Contents

1 CTOF FEDENSITIES L1 V01 5

2 CTOF FEFTEMP L1 V01 17

3 CTOF FEPDENSITY L1 V01 23

4 CTOF HIONFTEMP L1 V01 29

5 CTOF HK L0 V03 35

6 CTOF HK LA V03 61

7 CTOF ME L0 V03 87

8 CTOF ME LA V03 91

9 CTOF MR L0 V03 95

10 CTOF MR LA V03 111

11 CTOF ODENSITIES L1 V01 127

12 CTOF PHA L0 V03 133

13 CTOF PHA LA V03 141

14 CTOF RATES L0 V03 149

15 CTOF RATES LA V03 159

16 DPU HK L0 V03 169

17 DPU HK LA V03 199

18 DPU TLT L0 V03 229

19 DPU TLT LA V03 249

20 HSTOF EHA L1 V01 269

21 HSTOF ME L0 V03 275

22 HSTOF ME LA V03 279

23 HSTOF MR L0 V03 283

24 HSTOF MR LA V03 **289**

25 MTOF CME L1 V01 **295**

26 MTOF HK L0 V03 **309**

27 MTOF HK LA V03 **331**

28 MTOF PHA L0 V03 **353**

29 MTOF PHA LA V03 **361**

30 MTOF RATES L0 V03 **369**

31 MTOF RATES LA V03 **381**

32 MTOF TOFSP1 L0 V03 **393**

33 MTOF TOFSP1 LA V03 **397**

34 MTOF TOFSP2 L0 V03 **401**

35 MTOF TOFSP2 LA V03 **405**

36 PM PROTON L1 V01 **409**

37 PM RATES L0 V03 **419**

38 PM RATES LA V03 **425**

39 PM RSP L0 V03 **431**

40 PM RSP LA V03 **435**

41 PM RTA L0 V03 **439**

42 PM RTA LA V03 **443**

43 PM TA L0 V03 **447**

44 PM TA LA V03 **451**

45 STOF DI L0 V03 **455**

46 STOF DI LA V03 **605**

47 STOF HK L0 V03 **755**

48 STOF HK LA V03 **805**

49 STOF ME L0 V03 **855**

50 STOF ME LA V03 **859**

51 STOF MR L0 V03 **863**

52 STOF MR LA V03 **869**

53 STOF PHA L0 V03 **875**

54 STOF PHA LA V03 **887**

55 STOF SBH L0 V03 **899**

56 STOF SBH LA V03 **911**

57 STOF SBL L0 V03 **923**

58 STOF SBL LA V03 **943**

59 STOF SEM L0 V03 **963**

60 STOF SEM L1 V03 **969**

61 STOF SEM LA V03 **981**

Chapter 1

CTOF FEDENSITIES L1 V01

Contents

1.1 header **5**
1.2 GLOBALattributes **6**
1.3 VARIABLEattributes **7**
1.4 variables **7**
1.4.1 Epoch, Time TAI 8
1.4.2 n_s7, density of S 7+ 8
1.4.3 n_si7, density of Si 7+ 9
1.4.4 n_si8, density of Si 8+ 9
1.4.5 n_si9, density of Si 9+ 10
1.4.6 n_fe7, density of Fe 7+ 10
1.4.7 n_fe8, density of Fe 8+ 11
1.4.8 n_fe9, density of Fe 9+ 11
1.4.9 n_fe10, density of Fe 10+ 12
1.4.10 n_fe11, density of Fe 11+ 12
1.4.11 n_fe12, density of Fe 12+ 13
1.4.12 n_fe13, density of Fe 13+ 13
1.4.13 n_fe14, density of Fe 14+ 14
1.4.14 n_fe15, density of Fe 15+ 14
1.4.15 n_fe16, density of Fe 16+ 15
1.5 zVariables **15**
1.6 end **15**

1.1 header

CDF NAME:	SO_CEL_CTOF_FEDENSITIES_L1_V01				
DATA ENCODING:	NETWORK				
MAJORITY:	COLUMN				
FORMAT:	SINGLE				
Variables	G.Attributes	V.Attributes	Records	Dims	Sizes
15/0	21	17	0/z	0	

(Back to chapter 1)

1.2 GLOBALattributes

TITLE	1:	CDF_CHAR	Fe Ion Densities
Project	1:	CDF_CHAR	ISTP>International Solar-Terrestrial Physics
Discipline	1:	CDF_CHAR	Solar Physics>Solar Wind
Source_name	1:	CDF_CHAR	SO>Solar Heliospheric Observatory (SOHO)
Descriptor	1:	CDF_CHAR	CEL>Charge, Element and Isotope Analysis System (C
	2:	CDF_CHAR	ELIAS)
Detector	1:	CDF_CHAR	CTOF>Charge Time Of Flight
Series_name	1:	CDF_CHAR	FEDENSITIES>Fe Densities
Data_type	1:	CDF_CHAR	L1>Level 1 Science Data
Logical_source	1:	CDF_CHAR	SO_CEL_CTOF_FEDENSITIES_L1
TEXT	1:	CDF_CHAR	A description of the CELIAS instrument and
	2:	CDF_CHAR	scientific scope can be found on WWW
	3:	CDF_CHAR	at http://ubecx.unibe.ch/phim/soho/
	4:	CDF_CHAR	or on the SOHO homepage at
	5:	CDF_CHAR	http://sohowww.nascom.nasa.gov/.
	6:	CDF_CHAR	A written description of CELIAS
	7:	CDF_CHAR	will appear in the special issue of
	8:	CDF_CHAR	Solar Physics dedicated to SOHO.
Data_version	1:	CDF_CHAR	01
MODS	1:	CDF_CHAR	<cwrap!actual_date>
skeleton_version	1:	CDF_CHAR	01
software_version	1:	CDF_CHAR	<cwrap!cwrap_version>
ADID_ref	1:	CDF_CHAR	NSSD0195
PI_name	1:	CDF_CHAR	Peter Bochsler
PI_affiliation	1:	CDF_CHAR	Physikalisches Institut,
	2:	CDF_CHAR	Universitaet Bern,
	3:	CDF_CHAR	Sidlerstrasse 5,
	4:	CDF_CHAR	3012 Bern, Switzerland
Mission_group	1:	CDF_CHAR	SOHO
Instrument_type	1:	CDF_CHAR	Particles (space)
TEXT_supplement	1:	CDF_CHAR	-
TEXT_FOR_UOB	1:	CDF_CHAR	thom (from peter wurz)

(Back to chapter 1)

1.3 VARIABLEattributes

FIELDNAM	
VALIDMIN	
VALIDMAX	
SCALETYP	
SCALEMIN	
SCALEMAX	
UNITS	
LABLAXIS	
FORMAT	
DEPEND_0	
!	DEPEND_1
!	DEPEND_2
!	DEPEND_3
!	DEPEND_4
!	DEPEND_5
MONOTON	
VAR_TYPE	
FILLVAL	
DISPLAY_TYPE	
CATDESC	
COLUMNS	
TIME_FORMAT	

(Back to chapter 1)

1.4 variables

Variable Name	Data Type	Number Elements	Record Variance	Dimension Variances
Epoch	CDF_EPOCH	1	T	
n_s7	CDF_FLOAT	1	T	
n_si7	CDF_FLOAT	1	T	
n_si8	CDF_FLOAT	1	T	
n_si9	CDF_FLOAT	1	T	
n_fe7	CDF_FLOAT	1	T	
n_fe8	CDF_FLOAT	1	T	
n_fe9	CDF_FLOAT	1	T	
n_fe10	CDF_FLOAT	1	T	
n_fe11	CDF_FLOAT	1	T	
n_fe12	CDF_FLOAT	1	T	
n_fe13	CDF_FLOAT	1	T	
n_fe14	CDF_FLOAT	1	T	
n_fe15	CDF_FLOAT	1	T	
n_fe16	CDF_FLOAT	1	T	

(Back to chapter 1)

1.4.1 Epoch, Time TAI

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Time TAI
VALIDMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
VALIDMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALEMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
SCALEMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Epoch
UNITS	CDF_CHAR	ms
VAR_TYPE	CDF_CHAR	support_data
CATDESC	CDF_CHAR	Epoch, Time TAI
FILLVAL	CDF_EPOCH	31-Dec-9999 23:59:59.999
DISPLAY_TYPE	CDF_CHAR	time_series
MONOTON	CDF_CHAR	INCREASE
TIME_FORMAT	CDF_CHAR	sec70base
COLUMNS	CDF_CHAR	0-0

(Back to chapter 1)

1.4.2 n_s7, density of S 7+

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	density of S 7+
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	2000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	500
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	n_s7
UNITS	CDF_CHAR	m^-3
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	n_s7, density of S 7+
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	E9.5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	1-1

(Back to chapter 1)

1.4.3 n_si7, density of Si 7+

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	density of Si 7+
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	2000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	500
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	n_si7
UNITS	CDF_CHAR	m^-3
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	n_si7, density of Si 7+
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	E9.5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	2-2

(Back to chapter 1)

1.4.4 n_si8, density of Si 8+

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	density of Si 8+
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	2000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	500
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	n_si8
UNITS	CDF_CHAR	m^-3
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	n_si8, density of Si 8+
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	E9.5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	3-3

(Back to chapter 1)

1.4.5 n_si9, density of Si 9+

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	density of Si 9+
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	2000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	500
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	n_si9
UNITS	CDF_CHAR	m^-3
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	n_si9, density of Si 9+
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	E9.5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	4-4

(Back to chapter 1)

1.4.6 n_fe7, density of Fe 7+

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	density of Fe 7+
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	2000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	500
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	n_fe7
UNITS	CDF_CHAR	m^-3
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	n_fe7, density of Fe 7+
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	E9.5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	5-5

(Back to chapter 1)

1.4.7 n_fe8, density of Fe 8+

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	density of Fe 8+
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	2000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	500
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	n_fe8
UNITS	CDF_CHAR	mˆ3
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	n_fe8, density of Fe 8+
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	E9.5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	6-6

(Back to chapter 1)

1.4.8 n_fe9, density of Fe 9+

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	density of Fe 9+
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	2000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	500
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	n_fe9
UNITS	CDF_CHAR	mˆ3
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	n_fe9, density of Fe 9+
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	E9.5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	7-7

(Back to chapter 1)

1.4.9 n_fe10, density of Fe 10+

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	density of Fe 10+
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	2000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	500
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	n_fe10
UNITS	CDF_CHAR	m^-3
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	n_fe10, density of Fe 10+
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	E9.5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	8-8

(Back to chapter 1)

1.4.10 n_fe11, density of Fe 11+

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	density of Fe 11+
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	2000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	500
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	n_fe11
UNITS	CDF_CHAR	m^-3
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	n_fe11, density of Fe 11+
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	E9.5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	9-9

(Back to chapter 1)

1.4.11 n_fe12, density of Fe 12+

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	density of Fe 12+
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	2000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	500
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	n_fe12
UNITS	CDF_CHAR	m^-3
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	n_fe12, density of Fe 12+
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	E9.5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	10-10

(Back to chapter 1)

1.4.12 n_fe13, density of Fe 13+

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	density of Fe 13+
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	2000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	500
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	n_fe13
UNITS	CDF_CHAR	m^-3
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	n_fe13, density of Fe 13+
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	E9.5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	11-11

(Back to chapter 1)

1.4.13 n_fe14, density of Fe 14+

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	density of Fe 14+
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	2000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	500
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	n_fe14
UNITS	CDF_CHAR	m^-3
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	n_fe14, density of Fe 14+
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	E9.5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	12-12

(Back to chapter 1)

1.4.14 n_fe15, density of Fe 15+

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	density of Fe 15+
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	2000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	500
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	n_fe15
UNITS	CDF_CHAR	m^-3
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	n_fe15, density of Fe 15+
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	E9.5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	13-13

(Back to chapter 1)

1.4.15 n_fe16, density of Fe 16+

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	density of Fe 16+
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	2000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	500
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	n_fe16
UNITS	CDF_CHAR	m^-3
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	n_fe16, density of Fe 16+
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	E9.5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	14-14

(Back to chapter 1)

1.5 zVariables

No zVariables (Back to chapter 1)

1.6 end

!# server>	client terminated data transfer at 20000503.100437
!# server>	eof cw-2000-123.000.skt

(Back to chapter 1)

Chapter 2

CTOF FEFTEMP L1 V01

Contents

2.1 header **17**

2.2 GLOBALattributes **18**

2.3 VARIABLEattributes **19**

2.4 variables **19**

2.4.1 Epoch, Time TAI 20

2.4.2 T_11_10, Fe freeze-in temperature 20

2.4.3 meanChar, Fe mean charge 21

2.5 zVariables **21**

2.6 end **21**

2.1 header

CDF NAME:	SO_CEL_CTOF_FEFTEMP_L1_V01				
DATA ENCODING:	NETWORK				
MAJORITY:	COLUMN				
FORMAT:	SINGLE				
Variables	G.Attributes	V.Attributes	Records	Dims	Sizes
3/0	21	17	0/z	0	

(Back to chapter 2)

2.2 GLOBALattributes

TITLE	1:	CDF_CHAR	Fe Freeze-in Temperature
Project	1:	CDF_CHAR	ISTP>International Solar-Terrestrial Physics
Discipline	1:	CDF_CHAR	Solar Physics>Solar Wind
Source_name	1:	CDF_CHAR	SO>Solar Heliospheric Observatory (SOHO)
Descriptor	1:	CDF_CHAR	CEL>Charge, Element and Isotope Analysis System (C
	2:	CDF_CHAR	ELIAS)
Detector	1:	CDF_CHAR	CTOF>Charge Time Of Flight
Series_name	1:	CDF_CHAR	FEFTEMP>Fe Freeze-in Temperature
Data_type	1:	CDF_CHAR	L1>Level 1 Science Data
Logical_source	1:	CDF_CHAR	SO_CEL_CTOF_FEFTEMP_L1
TEXT	1:	CDF_CHAR	A description of the CELIAS instrument and
	2:	CDF_CHAR	scientific scope can be found on WWW
	3:	CDF_CHAR	at http://ubecx.unibe.ch/phim/soho/
	4:	CDF_CHAR	or on the SOHO homepage at
	5:	CDF_CHAR	http://sohowww.nascom.nasa.gov/.
	6:	CDF_CHAR	A written description of CELIAS
	7:	CDF_CHAR	will appear in the special issue of
	8:	CDF_CHAR	Solar Physics dedicated to SOHO.
Data_version	1:	CDF_CHAR	01
MODS	1:	CDF_CHAR	<cwrap!actual_date>
skeleton_version	1:	CDF_CHAR	01
software_version	1:	CDF_CHAR	<cwrap!cwrap_version>
ADID_ref	1:	CDF_CHAR	NSSD0195
PI_name	1:	CDF_CHAR	Peter Bochsler
PI_affiliation	1:	CDF_CHAR	Physikalisches Institut,
	2:	CDF_CHAR	Universitaet Bern,
	3:	CDF_CHAR	Sidlerstrasse 5,
	4:	CDF_CHAR	3012 Bern, Switzerland
Mission_group	1:	CDF_CHAR	SOHO
Instrument_type	1:	CDF_CHAR	Particles (space)
TEXT_supplement	1:	CDF_CHAR	Fe freeze-in temperature is derived from Fe 11+ /
	2:	CDF_CHAR	Fe 10+ ratio.
TEXT_FOR_UOB	1:	CDF_CHAR	thom and pw

(Back to chapter 2)

2.3 VARIABLEattributes

FIELDNAM	
VALIDMIN	
VALIDMAX	
SCALETYP	
SCALEMIN	
SCALEMAX	
UNITS	
LABLAXIS	
FORMAT	
DEPEND_0	
!	DEPEND_1
!	DEPEND_2
!	DEPEND_3
!	DEPEND_4
!	DEPEND_5
MONOTON	
VAR_TYPE	
FILLVAL	
DISPLAY_TYPE	
CATDESC	
COLUMNS	
TIME_FORMAT	

(Back to chapter 2)

2.4 variables

Variable Name	Data Type	Number Elements	Record Variance	Dimension Variances
Epoch	CDF_EPOCH	1	T	
T_11_10	CDF_FLOAT	1	T	
meanCharge	CDF_FLOAT	1	T	

(Back to chapter 2)

2.4.1 Epoch, Time TAI

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Time TAI
VALIDMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
VALIDMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALEMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
SCALEMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Epoch
UNITS	CDF_CHAR	ms
VAR_TYPE	CDF_CHAR	support_data
CATDESC	CDF_CHAR	Epoch, Time TAI
FILLVAL	CDF_EPOCH	31-Dec-9999 23:59:59.999
DISPLAY_TYPE	CDF_CHAR	time_series
MONOTON	CDF_CHAR	INCREASE
TIME_FORMAT	CDF_CHAR	sec70base
COLUMNS	CDF_CHAR	2-2

(Back to chapter 2)

2.4.2 T_11_10, Fe freeze-in temperature

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Fe freeze-in temperature
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	2.0
SCALEMIN	CDF_FLOAT	.5
SCALEMAX	CDF_FLOAT	1.8
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	T_11_10
UNITS	CDF_CHAR	10$\hat{6}$ K
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	T_11_10, Fe freeze-in temperature
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F2.5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	3-3

(Back to chapter 2)

2.4.3 meanChar, Fe mean charge

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Fe mean charge
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	26
SCALEMIN	CDF_FLOAT	4
SCALEMAX	CDF_FLOAT	20
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	meanChar
UNITS	CDF_CHAR	e
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	meanChar, Fe mean charge
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F2.5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	4-4

(Back to chapter 2)

2.5 zVariables

No zVariables (Back to chapter 2)

2.6 end

!# server>	client terminated data transfer at 20000605.115658
!# server>	eof cw-2000-156.000.skt

(Back to chapter 2)

Chapter 3

CTOF FEPDENSITY L1 V01

Contents

3.1 header **23**

3.2 GLOBALattributes **24**

3.3 VARIABLEattributes **25**

3.4 variables **25**

3.4.1 Epoch, Time TAI 26

3.4.2 n_Fe, Iron density 26

3.4.3 n_p, Proton density 27

3.4.4 v_sw, SW (Solar Wind) speed 27

3.4.5 v_kin, Kinetic temperature 28

3.5 zVariables **28**

3.6 end **28**

3.1 header

CDF NAME:	SO_CEL_CTOF_FEPDENSITY_L1_V01				
DATA ENCODING:	NETWORK				
MAJORITY:	COLUMN				
FORMAT:	SINGLE				
Variables	G.Attributes	V.Attributes	Records	Dims	Sizes
5/0	21	17	0/z	0	

(Back to chapter 3)

3.2 GLOBALattributes

TITLE	1:	CDF_CHAR	Iron and Proton Density
Project	1:	CDF_CHAR	ISTP>International Solar-Terrestrial Physics
Discipline	1:	CDF_CHAR	Solar Physics>Solar Wind
Source_name	1:	CDF_CHAR	SO>Solar Heliospheric Observatory (SOHO)
Descriptor	1:	CDF_CHAR	CEL>Charge, Element and Isotope Analysis System (C
	2:	CDF_CHAR	ELIAS)
Detector	1:	CDF_CHAR	CTOF>Charge Time Of Flight
Series_name	1:	CDF_CHAR	FEPDENSITY>Fe and Proton Density
Data_type	1:	CDF_CHAR	L1>Level 1 Science Data
Logical_source	1:	CDF_CHAR	SO_CEL_CTOF_FEPDENSITY_L1
TEXT	1:	CDF_CHAR	A description of the CELIAS instrument and
	2:	CDF_CHAR	scientific scope can be found on WWW
	3:	CDF_CHAR	at http://ubecx.unibe.ch/phim/soho/
	4:	CDF_CHAR	or on the SOHO homepage at
	5:	CDF_CHAR	http://sohowww.nascom.nasa.gov/.
	6:	CDF_CHAR	A written description of CELIAS
	7:	CDF_CHAR	will appear in the special issue of
	8:	CDF_CHAR	Solar Physics dedicated to SOHO.
Data_version	1:	CDF_CHAR	01
MODS	1:	CDF_CHAR	<cwrap!actual_date>
skeleton_version	1:	CDF_CHAR	01
software_version	1:	CDF_CHAR	<cwrap!cwrap_version>
ADID_ref	1:	CDF_CHAR	NSSD0195
PI_name	1:	CDF_CHAR	Peter Bochsler
PI_affiliation	1:	CDF_CHAR	Physikalisches Institut,
	2:	CDF_CHAR	Universitaet Bern,
	3:	CDF_CHAR	Sidlerstrasse 5,
	4:	CDF_CHAR	3012 Bern, Switzerland
Mission_group	1:	CDF_CHAR	SOHO
Instrument_type	1:	CDF_CHAR	Particles (space)
TEXT_supplement	1:	CDF_CHAR	Iron and Proton Density, SW and Kinetic Temperatur
	2:	CDF_CHAR	e.
TEXT_FOR_UOB	1:	CDF_CHAR	thom and pw

(Back to chapter 3)

3.3 VARIABLEattributes

FIELDNAM	
VALIDMIN	
VALIDMAX	
SCALETYP	
SCALEMIN	
SCALEMAX	
UNITS	
LABLAXIS	
FORMAT	
DEPEND_0	
!	DEPEND_1
!	DEPEND_2
!	DEPEND_3
!	DEPEND_4
!	DEPEND_5
MONOTON	
VAR_TYPE	
FILLVAL	
DISPLAY_TYPE	
CATDESC	
COLUMNS	
TIME_FORMAT	

(Back to chapter 3)

3.4 variables

Variable Name	Data Type	Number Elements	Record Variance	Dimension Variances
Epoch	CDF_EPOCH	1	T	
n_Fe	CDF_FLOAT	1	T	
n_p	CDF_FLOAT	1	T	
v_sw	CDF_FLOAT	1	T	
v_kin	CDF_FLOAT	1	T	

(Back to chapter 3)

3.4.1 Epoch, Time TAI

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Time TAI
VALIDMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
VALIDMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALEMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
SCALEMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Epoch
UNITS	CDF_CHAR	ms
VAR_TYPE	CDF_CHAR	support_data
CATDESC	CDF_CHAR	Epoch, Time TAI
FILLVAL	CDF_EPOCH	31-Dec-9999 23:59:59.999
DISPLAY_TYPE	CDF_CHAR	time_series
MONOTON	CDF_CHAR	INCREASE
TIME_FORMAT	CDF_CHAR	sec70base
COLUMNS	CDF_CHAR	0-0

(Back to chapter 3)

3.4.2 n_Fe, Iron density

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Iron density
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	10000
SCALEMIN	CDF_FLOAT	50
SCALEMAX	CDF_FLOAT	2000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	n_Fe
UNITS	CDF_CHAR	m^-3
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	n_Fe, Iron density
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F6.3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	1-1

(Back to chapter 3)

3.4.3 n_p, Proton density

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Proton density
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	2e8
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	5e7
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	n_p
UNITS	CDF_CHAR	m^-3
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	n_p, Proton density
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	2-2

(Back to chapter 3)

3.4.4 v_sw, SW (Solar Wind) speed

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	SW (Solar Wind) speed
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1500
SCALEMIN	CDF_FLOAT	200
SCALEMAX	CDF_FLOAT	1000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	v_sw
UNITS	CDF_CHAR	km / s
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	v_sw, SW (Solar Wind) speed
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	3-3

(Back to chapter 3)

3.4.5 v_kin, Kinetic temperature

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Kinetic temperature
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	500
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	200
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	v_kin
UNITS	CDF_CHAR	km / s
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	v_kin, Kinetic temperature
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F3.3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	4-4

(Back to chapter 3)

3.5 zVariables

No zVariables (Back to chapter 3)

3.6 end

!# server>	client terminated data transfer at 20000605.125638
!# server>	eof cw-2000-156.002.skt

(Back to chapter 3)

Chapter 4

CTOF HIONFTEMP L1 V01

Contents

4.1 header **29**

4.2 GLOBALattributes **30**

4.3 VARIABLEattributes **31**

4.4 variables **31**

4.4.1 Epoch, Time TAI 32

4.4.2 T76, O freeze-in temperature 32

4.4.3 n_O, Density Oxygen 33

4.4.4 v_O, SW Oxygen speed 33

4.4.5 v_Si, SW Silicon speed 34

4.4.6 v_Fe, SW Iron speed 34

4.5 zVariables **34**

4.6 end **34**

4.1 header

CDF NAME:	SO_CEL_CTOF_HIONFTEMP_L1_V01				
DATA ENCODING:	NETWORK				
MAJORITY:	COLUMN				
FORMAT:	SINGLE				
Variables	G.Attributes	V.Attributes	Records	Dims	Sizes
6/0	21	17	0/z	0	

(Back to chapter 4)

4.2 GLOBALattributes

TITLE	1:	CDF_CHAR	Heavy Ion Freeze-In Temperature
Project	1:	CDF_CHAR	ISTP>International Solar-Terrestrial Physics
Discipline	1:	CDF_CHAR	Solar Physics>Solar Wind
Source_name	1:	CDF_CHAR	SO>Solar Heliospheric Observatory (SOHO)
Descriptor	1:	CDF_CHAR	CEL>Charge, Element and Isotope Analysis System (C
	2:	CDF_CHAR	ELIAS)
Detector	1:	CDF_CHAR	CTOF>Charge Time Of Flight
Series_name	1:	CDF_CHAR	HIONFTEMP>Heavy Ion Freeze-in Temperature
Data_type	1:	CDF_CHAR	L1>Level 1 Science Data
Logical_source	1:	CDF_CHAR	SO_CEL_CTOF_HIONFTEMP_L1
TEXT	1:	CDF_CHAR	A description of the CELIAS instrument and
	2:	CDF_CHAR	scientific scope can be found on WWW
	3:	CDF_CHAR	at http://ubecx.unibe.ch/phim/soho/
	4:	CDF_CHAR	or on the SOHO homepage at
	5:	CDF_CHAR	http://sohowww.nascom.nasa.gov/.
	6:	CDF_CHAR	A written description of CELIAS
	7:	CDF_CHAR	will appear in the special issue of
	8:	CDF_CHAR	Solar Physics dedicated to SOHO.
Data_version	1:	CDF_CHAR	01
MODS	1:	CDF_CHAR	<cwrap!actual_date>
skeleton_version	1:	CDF_CHAR	01
software_version	1:	CDF_CHAR	<cwrap!cwrap_version>
ADID_ref	1:	CDF_CHAR	NSSD0195
PI_name	1:	CDF_CHAR	Peter Bochsler
PI_affiliation	1:	CDF_CHAR	Physikalisches Institut,
	2:	CDF_CHAR	Universitaet Bern,
	3:	CDF_CHAR	Sidlerstrasse 5,
	4:	CDF_CHAR	3012 Bern, Switzerland
Mission_group	1:	CDF_CHAR	SOHO
Instrument_type	1:	CDF_CHAR	Particles (space)
TEXT_supplement	1:	CDF_CHAR	Heavy ion freeze-In temperature and kinetic parame
	2:	CDF_CHAR	ters.
	3:	CDF_CHAR	O freeze-in temperature is derived from O 7+ / O 6
	4:	CDF_CHAR	+ ratio.
TEXT_FOR_UOB	1:	CDF_CHAR	thom and pw

(Back to chapter 4)

4.3 VARIABLEattributes

FIELDNAM	
VALIDMIN	
VALIDMAX	
SCALETYP	
SCALEMIN	
SCALEMAX	
UNITS	
LABLAXIS	
FORMAT	
DEPEND_0	
!	DEPEND_1
!	DEPEND_2
!	DEPEND_3
!	DEPEND_4
!	DEPEND_5
MONOTON	
VAR_TYPE	
FILLVAL	
DISPLAY_TYPE	
CATDESC	
COLUMNS	
TIME_FORMAT	

(Back to chapter 4)

4.4 variables

Variable Name	Data Type	Number Elements	Record Variance	Dimension Variances
Epoch	CDF_EPOCH	1	T	
T76	CDF_FLOAT	1	T	
n_O	CDF_FLOAT	1	T	
v_O	CDF_FLOAT	1	T	
v_Si	CDF_FLOAT	1	T	
v_Fe	CDF_FLOAT	1	T	

(Back to chapter 4)

4.4.1 Epoch, Time TAI

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Time TAI
VALIDMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
VALIDMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALEMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
SCALEMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Epoch
UNITS	CDF_CHAR	ms
VAR_TYPE	CDF_CHAR	support_data
CATDESC	CDF_CHAR	Epoch, Time TAI
FILLVAL	CDF_EPOCH	31-Dec-9999 23:59:59.999
DISPLAY_TYPE	CDF_CHAR	time_series
MONOTON	CDF_CHAR	INCREASE
TIME_FORMAT	CDF_CHAR	sec70base
COLUMNS	CDF_CHAR	0-0

(Back to chapter 4)

4.4.2 T76, O freeze-in temperature

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	O freeze-in temperature
VALIDMIN	CDF_FLOAT	0.0
VALIDMAX	CDF_FLOAT	10.0
SCALEMIN	CDF_FLOAT	0.5
SCALEMAX	CDF_FLOAT	5.0
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	T76
UNITS	CDF_CHAR	$10\hat{6}$ K
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	T76, O freeze-in temperature
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F2.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	1-1

(Back to chapter 4)

4.4.3 n_O, Density Oxygen

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Density Oxygen
VALIDMIN	CDF_FLOAT	0.0
VALIDMAX	CDF_FLOAT	100000.0
SCALEMIN	CDF_FLOAT	10.0
SCALEMAX	CDF_FLOAT	10000.0
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	n_O
UNITS	CDF_CHAR	m^3
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	n_O, Density Oxygen
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F5.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	2-2

(Back to chapter 4)

4.4.4 v_O, SW Oxygen speed

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	SW Oxygen speed
VALIDMIN	CDF_FLOAT	0.0
VALIDMAX	CDF_FLOAT	1500.0
SCALEMIN	CDF_FLOAT	200.0
SCALEMAX	CDF_FLOAT	1000.0
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	v_O
UNITS	CDF_CHAR	km / s
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	v_O, SW Oxygen speed
FILLVAL	CDF_FLOAT	-1.0
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F5.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	3-3

(Back to chapter 4)

4.4.5 v_Si, SW Silicon speed

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	SW Silicon speed
VALIDMIN	CDF_FLOAT	0.0
VALIDMAX	CDF_FLOAT	1500.0
SCALEMIN	CDF_FLOAT	200.0
SCALEMAX	CDF_FLOAT	1000.0
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	v_Si
UNITS	CDF_CHAR	km / s
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	v_Si, SW Silicon speed
FILLVAL	CDF_FLOAT	-1.0
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F5.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	4-4

(Back to chapter 4)

4.4.6 v_Fe, SW Iron speed

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	SW Iron speed
VALIDMIN	CDF_FLOAT	0.0
VALIDMAX	CDF_FLOAT	1500.0
SCALEMIN	CDF_FLOAT	200.0
SCALEMAX	CDF_FLOAT	1000.0
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	v_Fe
UNITS	CDF_CHAR	km / s
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	v_Fe, SW Iron speed
FILLVAL	CDF_FLOAT	-1.0
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F5.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	5-5

(Back to chapter 4)

4.5 zVariables

No zVariables (Back to chapter 4)

4.6 end

!# server>	client terminated data transfer at 20000605.122628
!# server>	eof cw-2000-156.001.skt

(Back to chapter 4)

Chapter 5

CTOF HK L0 V03

Contents

5.1 header 36
5.2 GLOBALattributes 37
5.3 VARIABLEattributes 38
5.4 variables 39
5.4.1 Epoch, Time TAI 40
5.4.2 EdbCnt, edb counter 40
5.4.3 HdbCnt, Hdb counter (generated edbs) 41
5.4.4 StatBit7, Coded mode info 41
5.4.5 CTimeAmp, Obsolete always zero 42
5.4.6 CSsd, CTOF solid state detector (on off status) 42
5.4.7 CDIS, CTOF SSD discriminator settng 43
5.4.8 CPid, CTOF proton identifier on off setting 43
5.4.9 CpHeCC, CTOF proton helium supression on off 44
5.4.10 CEnergyC, CTOF proton helium supression on off 44
5.4.11 CTimeCal, Time Calibration 45
5.4.12 CChPlate, Channel plate power supply 45
5.4.13 CTrigSou, CTOF trigger source for PHA 46
5.4.14 CTrigSta, CTOF trigger state 46
5.4.15 CADCStat, CTOF PHA on off 47
5.4.16 CReadOut, Ctof read out control 47
5.4.17 CBulkHea, CTOF bulk head temperature 48
5.4.18 CCPwrCou, CTOF power coupler temp 48
5.4.19 CCP5VMon, CTOF monitor of +5 volt 49
5.4.20 CCP13VMo, CTOF monitor of +13 volt 49
5.4.21 CM5VMon, CTOF -5 volt monitor 50
5.4.22 CM13VMon, CTOF -13 volt monitor 50
5.4.23 CMcpsMon, CTOFmcp voltage monitor 51
5.4.24 CBubbleC, CTOF bubble current 51
5.4.25 CDoorSta, CTof door status obsolete 52
5.4.26 CFdcWind, CTof 52
5.4.27 CTeClk4, CTof 53
5.4.28 CHvpsCur, CTof 53
5.4.29 CHvpsTEM, high volt power supply temperature 54
5.4.30 CVvpsTEM, Variable volt power supply temperature 54
5.4.31 CHVPS, High volt power supply 55

5.4.32 CVVPsPOS, Variable volt power supply (positive) 55

5.4.33 CVVPSNeg, Variable volt power supply (negative) 56

5.4.34 CStart, CTOF start count rate 56

5.4.35 CDblC, CTOF Double coincident count rate 57

5.4.36 CTriC, CTOF Triple coincident count rate 57

5.4.37 CSolid, CTOF Solid state detector rate 58

5.4.38 CProt, CTOF proton 58

5.4.39 CStop, CTOF Helium rate 59

5.5 zVariables 59

5.6 end 59

5.1 header

CDF NAME:	SO_CEL_CTOF_HK_L0_V03				
DATA ENCODING:	NETWORK				
MAJORITY:	COLUMN				
FORMAT:	SINGLE				
Variables	G.Attributes	V.Attributes	Records	Dims	Sizes
36/0	21	17	0/z	0	

(Back to chapter 5)

5.2 GLOBALattributes

TITLE	1:	CDF_CHAR	CTOF housekeeping data
Project	1:	CDF_CHAR	ISTP>International Solar-Terrestrial Physics
Discipline	1:	CDF_CHAR	Solar Physics>Solar Wind
Source_name	1:	CDF_CHAR	SO>Solar Heliospheric Observatory (SOHO)
Descriptor	1:	CDF_CHAR	CEL>Charge, Element and Isotope Analysis System (C
	2:	CDF_CHAR	ELIAS)
Detector	1:	CDF_CHAR	CTOF>Charge Time Of Flight
Series_name	1:	CDF_CHAR	HK>Housekeeping
Data_type	1:	CDF_CHAR	L0>Level 0
Logical_source	1:	CDF_CHAR	SO_CEL_CTOF_HK_L0
TEXT	1:	CDF_CHAR	A description of the CELIAS instrument and
	2:	CDF_CHAR	scientific scope can be found on WWW
	3:	CDF_CHAR	at https://www.ieap.uni-kiel.de/et/soho/celias/
	4:	CDF_CHAR	or on the SOHO homepage at
	5:	CDF_CHAR	http://sohowww.nascom.nasa.gov/.
	6:	CDF_CHAR	A written description of CELIAS
	7:	CDF_CHAR	will appear in the special issue of
	8:	CDF_CHAR	Solar Physics dedicated to SOHO.
Data_version	1:	CDF_CHAR	01
MODS	1:	CDF_CHAR	<cwrap!actual_date>
skeleton_version	1:	CDF_CHAR	01
software_version	1:	CDF_CHAR	<cwrap!cwrap_version>
ADID_ref	1:	CDF_CHAR	NSSD0195
PI_name	1:	CDF_CHAR	Robert F. Wimmer-Schweingruber
PI_affiliation	1:	CDF_CHAR	Institut fuer Experimentelle und Angewandte Physik,
	2:	CDF_CHAR	Christian Albrechts Universitaet Kiel,
	3:	CDF_CHAR	Leibnizstr 11,
	4:	CDF_CHAR	24118 Kiel, Germany
Mission_group	1:	CDF_CHAR	SOHO
Instrument_type	1:	CDF_CHAR	Particles (space)
TEXT_supplement	1:	CDF_CHAR	engineering measurements (analog and digital)
TEXT_FOR_UOB	1:	CDF_CHAR	Gruenwaldt and weygand

(Back to chapter 5)

5.3 VARIABLEattributes

FIELDNAM	
VALIDMIN	
VALIDMAX	
SCALETYP	
SCALEMIN	
SCALEMAX	
UNITS	
LABLAXIS	
FORMAT	
DEPEND_0	
!	DEPEND_1
!	DEPEND_2
!	DEPEND_3
!	DEPEND_4
!	DEPEND_5
MONOTON	
VAR_TYPE	
FILLVAL	
DISPLAY_TYPE	
CATDESC	
COLUMNS	
TIME_FORMAT	

(Back to chapter 5)

5.4 variables

Variable Name	Data Type	Number Elements	Record Variance	Dimension Variances
Epoch	CDF_EPOCH	1	T	
EdbCnt	CDF_INT4	1	T	
HdbCnt	CDF_INT4	1	T	
StatBit7	CDF_INT2	1	T	
CTimeAmpConv	CDF_UINT1	1	T	
CSsd	CDF_UINT1	1	T	
CDIS	CDF_UINT1	1	T	
CPid	CDF_UINT1	1	T	
CpHeCC	CDF_UINT1	1	T	
CEnergyCal	CDF_FLOAT	1	T	
CTimeCal	CDF_UINT1	1	T	
CChPlatePs	CDF_UINT1	1	T	
CTrigSource	CDF_UINT1	1	T	
CTrigState	CDF_UINT1	1	T	
CADCState	CDF_UINT1	1	T	
CReadOutCtrl	CDF_UINT1	1	T	
CBulkHeadTEMP	CDF_FLOAT	1	T	
CCPwrCoupTEMP	CDF_FLOAT	1	T	
CCP5VMon	CDF_FLOAT	1	T	
CCP13VMon	CDF_FLOAT	1	T	
CM5VMon	CDF_FLOAT	1	T	
CM13VMon	CDF_FLOAT	1	T	
CMcpsMon	CDF_FLOAT	1	T	
CBubbleCur	CDF_FLOAT	1	T	
CDoorStat	CDF_INT2	1	T	
CFdcWindow	CDF_UINT1	1	T	
CTeClk4	CDF_INT2	1	T	
CHvpsCur	CDF_FLOAT	1	T	
CHvpsTEMP	CDF_FLOAT	1	T	
CVvpsTEMP	CDF_FLOAT	1	T	
CHVPS	CDF_FLOAT	1	T	
CVVPsPOS	CDF_FLOAT	1	T	
CVVPSNeg	CDF_FLOAT	1	T	
CStart	CDF_INT4	1	T	
CDblC	CDF_INT4	1	T	
CTriC	CDF_INT4	1	T	
CSolid	CDF_INT4	1	T	
CProt	CDF_INT4	1	T	
CStop	CDF_INT4	1	T	

(Back to chapter 5)

5.4.1 Epoch, Time TAI

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Time TAI
VALIDMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
VALIDMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALEMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
SCALEMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Epoch
UNITS	CDF_CHAR	ms
VAR_TYPE	CDF_CHAR	support_data
CATDESC	CDF_CHAR	Epoch, Time TAI
FILLVAL	CDF_EPOCH	31-Dec-9999 23:59:59.999
DISPLAY_TYPE	CDF_CHAR	time_series
MONOTON	CDF_CHAR	INCREASE
TIME_FORMAT	CDF_CHAR	sec70base
COLUMNS	CDF_CHAR	0-0

(Back to chapter 5)

5.4.2 EdbCnt, edb counter

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	edb counter
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	2000000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	2000000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	EdbCnt
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	EdbCnt, edb counter
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	1-1

(Back to chapter 5)

5.4.3 HdbCnt, Hdb counter (generated edbs)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Hdb counter (generated edbs)
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	2000000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	2000000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	HdbCnt
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	HdbCnt, Hdb counter (generated edbs)
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	2-2

(Back to chapter 5)

5.4.4 StatBit7, Coded mode info

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Coded mode info
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	255
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	255
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	StatBit7
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	StatBit7, Coded mode info
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	3-3

(Back to chapter 5)

5.4.5 CTimeAmp, Obsolete always zero

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Obsolete always zero
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	10
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	10
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CTimeAmp
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CTimeAmp, Obsolete always zero
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	4-4

(Back to chapter 5)

5.4.6 CSsd, CTOF solid state detector (on off status)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	CTOF solid state detector (on off status)
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	1
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	1
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CSsd
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CSsd, CTOF solid state detector (on off status)
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	5-5

(Back to chapter 5)

5.4.7 CDIS, CTOF SSD discriminator settng

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	CTOF SSD discriminator settng
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	1
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	1
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CDIS
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CDIS, CTOF SSD discriminator settng
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	6-6

(Back to chapter 5)

5.4.8 CPid, CTOF proton identifier on off setting

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	CTOF proton identifier on off setting
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	1
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	1
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CPid
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CPid, CTOF proton identifier on off setting
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	7-7

(Back to chapter 5)

5.4.9 CpHeCC, CTOF proton helium supression on off

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	CTOF proton helium supression on off
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	1
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	1
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CpHeCC
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CpHeCC, CTOF proton helium supression on off
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	8-8

(Back to chapter 5)

5.4.10 CEnergyC, CTOF proton helium supression on off

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	CTOF proton helium supression on off
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	600
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	600
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CEnergyC
UNITS	CDF_CHAR	keV
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CEnergyC, CTOF proton helium supression on off
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F3.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	9-9

(Back to chapter 5)

5.4.11 CTimeCal, Time Calibration

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Time Calibration
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	13
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	13
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CTimeCal
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CTimeCal, Time Calibration
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	10-10

(Back to chapter 5)

5.4.12 CChPlate, Channel plate power supply

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Channel plate power supply
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	7
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	7
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CChPlate
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CChPlate, Channel plate power supply
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	11-11

(Back to chapter 5)

5.4.13 CTrigSou, CTOF trigger source for PHA

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	CTOF trigger source for PHA
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	3
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	3
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CTrigSou
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CTrigSou, CTOF trigger source for PHA
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	12-12

(Back to chapter 5)

5.4.14 CTrigSta, CTOF trigger state

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	CTOF trigger state
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	1
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	1
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CTrigSta
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CTrigSta, CTOF trigger state
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	13-13

(Back to chapter 5)

5.4.15 CADCStat, CTOF PHA on off

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	CTOF PHA on off
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	1
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	1
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CADCStat
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CADCStat, CTOF PHA on off
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	14-14

(Back to chapter 5)

5.4.16 CReadOut, Ctof read out control

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Ctof read out control
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	15
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	15
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CReadOut
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CReadOut, Ctof read out control
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	15-15

(Back to chapter 5)

5.4.17 CBulkHea, CTOF bulk head temperature

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	CTOF bulk head temperature
VALIDMIN	CDF_FLOAT	-10
VALIDMAX	CDF_FLOAT	100
SCALEMIN	CDF_FLOAT	-10
SCALEMAX	CDF_FLOAT	100
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CBulkHea
UNITS	CDF_CHAR	Deg C
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CBulkHea, CTOF bulk head temperature
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	16-16

(Back to chapter 5)

5.4.18 CCPwrCou, CTOF power coupler temp

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	CTOF power coupler temp
VALIDMIN	CDF_FLOAT	-10
VALIDMAX	CDF_FLOAT	100
SCALEMIN	CDF_FLOAT	-10
SCALEMAX	CDF_FLOAT	100
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CCPwrCou
UNITS	CDF_CHAR	Deg C
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CCPwrCou, CTOF power coupler temp
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	17-17

(Back to chapter 5)

5.4.19 CCP5VMon, CTOF monitor of +5 volt

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	CTOF monitor of +5 volt
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	6
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	6
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CCP5VMon
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CCP5VMon, CTOF monitor of +5 volt
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	18-18

(Back to chapter 5)

5.4.20 CCP13VMo, CTOF monitor of +13 volt

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	CTOF monitor of +13 volt
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	15
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	15
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CCP13VMo
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CCP13VMo, CTOF monitor of +13 volt
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	19-19

(Back to chapter 5)

5.4.21 CM5VMon, CTOF -5 volt monitor

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	CTOF -5 volt monitor
VALIDMIN	CDF_FLOAT	-10
VALIDMAX	CDF_FLOAT	0
SCALEMIN	CDF_FLOAT	-8
SCALEMAX	CDF_FLOAT	-2
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CM5VMon
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CM5VMon, CTOF -5 volt monitor
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F2.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	20-20

(Back to chapter 5)

5.4.22 CM13VMon, CTOF -13 volt monitor

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	CTOF -13 volt monitor
VALIDMIN	CDF_FLOAT	-20
VALIDMAX	CDF_FLOAT	0
SCALEMIN	CDF_FLOAT	-15
SCALEMAX	CDF_FLOAT	3
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CM13VMon
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CM13VMon, CTOF -13 volt monitor
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F2.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	21-21

(Back to chapter 5)

5.4.23 CMcpsMon, CTOFmcp voltage monitor

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	CTOFmcp voltage monitor
VALIDMIN	CDF_FLOAT	-9999
VALIDMAX	CDF_FLOAT	4000
SCALEMIN	CDF_FLOAT	-9999
SCALEMAX	CDF_FLOAT	4000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CMcpsMon
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CMcpsMon, CTOFmcp voltage monitor
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	22-22

(Back to chapter 5)

5.4.24 CBubbleC, CTOF bubble current

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	CTOF bubble current
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	140
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	140
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CBubbleC
UNITS	CDF_CHAR	mA
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CBubbleC, CTOF bubble current
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	23-23

(Back to chapter 5)

5.4.25 CDoorSta, CTof door status obsolete

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	CTof door status obsolete
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	255
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	255
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CDoorSta
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CDoorSta, CTof door status obsolete
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	24-24

(Back to chapter 5)

5.4.26 CFdcWind, CTof

Attribute Name	Data Type	Value	
FIELDNAM	CDF_CHAR	CTof	conversion window
VALIDMIN	CDF_UINT1	0	
VALIDMAX	CDF_UINT1	4	
SCALEMIN	CDF_UINT1	0	
SCALEMAX	CDF_UINT1	4	
SCALETYP	CDF_CHAR	linear	
LABLAXIS	CDF_CHAR	CFdcWind	
UNITS	CDF_CHAR	-	
VAR_TYPE	CDF_CHAR	data	
CATDESC	CDF_CHAR	CFdcWind, CTof	conversion window
FILLVAL	CDF_UINT1	255	
DISPLAY_TYPE	CDF_CHAR	time_series	
FORMAT	CDF_CHAR	I3	
DEPEND_0	CDF_CHAR	Epoch	
COLUMNS	CDF_CHAR	25-25	

(Back to chapter 5)

5.4.27 CTeClk4, CTof

Attribute Name	Data Type	Value	
FIELDNAM	CDF_CHAR	CTof	spare (obsolete)
VALIDMIN	CDF_INT2	0	
VALIDMAX	CDF_INT2	255	
SCALEMIN	CDF_INT2	0	
SCALEMAX	CDF_INT2	255	
SCALETYP	CDF_CHAR	linear	
LABLAXIS	CDF_CHAR	CTeClk4	
UNITS	CDF_CHAR	-	
VAR_TYPE	CDF_CHAR	data	
CATDESC	CDF_CHAR	CTeClk4, CTof	spare (obsolete)
FILLVAL	CDF_INT2	-32767	
DISPLAY_TYPE	CDF_CHAR	time_series	
FORMAT	CDF_CHAR	I5	
DEPEND_0	CDF_CHAR	Epoch	
COLUMNS	CDF_CHAR	26-26	

(Back to chapter 5)

5.4.28 CHvpsCur, CTof

Attribute Name	Data Type	Value	
FIELDNAM	CDF_CHAR	CTof	High volt power supply current
VALIDMIN	CDF_FLOAT	0	
VALIDMAX	CDF_FLOAT	200	
SCALEMIN	CDF_FLOAT	0	
SCALEMAX	CDF_FLOAT	200	
SCALETYP	CDF_CHAR	linear	
LABLAXIS	CDF_CHAR	CHvpsCur	
UNITS	CDF_CHAR	mA	
VAR_TYPE	CDF_CHAR	data	
CATDESC	CDF_CHAR	CHvpsCur, CTof	High volt power supply current
FILLVAL	CDF_FLOAT	-1e37	
DISPLAY_TYPE	CDF_CHAR	time_series	
FORMAT	CDF_CHAR	F4.1	
DEPEND_0	CDF_CHAR	Epoch	
COLUMNS	CDF_CHAR	27-27	

(Back to chapter 5)

5.4.29 CHvpsTEM, high volt power supply temperature

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	high volt power supply temperature
VALIDMIN	CDF_FLOAT	-10
VALIDMAX	CDF_FLOAT	100
SCALEMIN	CDF_FLOAT	-10
SCALEMAX	CDF_FLOAT	100
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CHvpsTEM
UNITS	CDF_CHAR	Deg C
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CHvpsTEM, high volt power supply temperature
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	28-28

(Back to chapter 5)

5.4.30 CVvpsTEM, Variable volt power supply temperature

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Variable volt power supply temperature
VALIDMIN	CDF_FLOAT	-10
VALIDMAX	CDF_FLOAT	100
SCALEMIN	CDF_FLOAT	-10
SCALEMAX	CDF_FLOAT	100
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CVvpsTEM
UNITS	CDF_CHAR	Deg C
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CVvpsTEM, Variable volt power supply temperature
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	29-29

(Back to chapter 5)

5.4.31 CHVPS, High volt power supply

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	High volt power supply
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	35
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	35
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CHVPS
UNITS	CDF_CHAR	kV
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CHVPS, High volt power supply
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	30-30

(Back to chapter 5)

5.4.32 CVVPsPOS, Variable volt power supply (positive)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Variable volt power supply (positive)
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	8
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	8
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CVVPsPOS
UNITS	CDF_CHAR	kV
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CVVPsPOS, Variable volt power supply (positive)
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F1.3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	31-31

(Back to chapter 5)

5.4.33 CVVPSNeg, Variable volt power supply (negative)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Variable volt power supply (negative)
VALIDMIN	CDF_FLOAT	-8
VALIDMAX	CDF_FLOAT	0
SCALEMIN	CDF_FLOAT	-8
SCALEMAX	CDF_FLOAT	0
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CVVPSNeg
UNITS	CDF_CHAR	kV
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CVVPSNeg, Variable volt power supply (negative)
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F1.3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	32-32

(Back to chapter 5)

5.4.34 CStart, CTOF start count rate

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	CTOF start count rate
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	2000000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	2000000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CStart
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CStart, CTOF start count rate
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	33-33

(Back to chapter 5)

5.4.35 CDblC, CTOF Double coincident count rate

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	CTOF Double coincident count rate
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	2000000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	2000000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CDblC
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CDblC, CTOF Double coincident count rate
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	34-34

(Back to chapter 5)

5.4.36 CTriC, CTOF Triple coincident count rate

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	CTOF Triple coincident count rate
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	2000000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	2000000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CTriC
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CTriC, CTOF Triple coincident count rate
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	35-35

(Back to chapter 5)

5.4.37 CSolid, CTOF Solid state detector rate

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	CTOF Solid state detector rate
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	2000000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	2000000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CSolid
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CSolid, CTOF Solid state detector rate
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	36-36

(Back to chapter 5)

5.4.38 CProt, CTOF proton

Attribute Name	Data Type	Value	
FIELDNAM	CDF_CHAR	CTOF proton	rate
VALIDMIN	CDF_INT4	0	
VALIDMAX	CDF_INT4	2000000000	
SCALEMIN	CDF_INT4	0	
SCALEMAX	CDF_INT4	2000000000	
SCALETYP	CDF_CHAR	linear	
LABLAXIS	CDF_CHAR	CProt	
UNITS	CDF_CHAR	-	
VAR_TYPE	CDF_CHAR	data	
CATDESC	CDF_CHAR	CProt, CTOF proton	rate
FILLVAL	CDF_INT4	-2147483647	
DISPLAY_TYPE	CDF_CHAR	time_series	
FORMAT	CDF_CHAR	I10	
DEPEND_0	CDF_CHAR	Epoch	
COLUMNS	CDF_CHAR	37-37	

(Back to chapter 5)

5.4.39 CStop, CTOF Helium rate

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	CTOF Helium rate
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	2000000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	2000000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CStop
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CStop, CTOF Helium rate
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	38-38

(Back to chapter 5)

5.5 zVariables

No zVariables (Back to chapter 5)

5.6 end

!# server>	client terminated data transfer at 20000204.101636
!# server>	eof cw-2000-034.000.skt

(Back to chapter 5)

Chapter 6

CTOF HK LA V03

Contents

6.1 header 62
6.2 GLOBALattributes 63
6.3 VARIABLEattributes 64
6.4 variables 65
6.4.1 Epoch, Time TAI 66
6.4.2 EdbCnt, edb counter 66
6.4.3 HdbCnt, Hdb counter (generated edbs) 67
6.4.4 StatBit7, Coded mode info 67
6.4.5 CTimeAmp, Obsolete always zero 68
6.4.6 CSsd, CTOF solid state detector (on off status) 68
6.4.7 CDIS, CTOF SSD discriminator settng 69
6.4.8 CPid, CTOF proton identifier on off setting 69
6.4.9 CpHeCC, CTOF proton helium supression on off 70
6.4.10 CEnergyC, CTOF proton helium supression on off 70
6.4.11 CTimeCal, Time Calibration 71
6.4.12 CChPlate, Channel plate power supply 71
6.4.13 CTrigSou, CTOF trigger source for PHA 72
6.4.14 CTrigSta, CTOF trigger state 72
6.4.15 CADCStat, CTOF PHA on off 73
6.4.16 CReadOut, Ctof read out control 73
6.4.17 CBulkHea, CTOF bulk head temperature 74
6.4.18 CCPwrCou, CTOF power coupler temp 74
6.4.19 CCP5VMon, CTOF monitor of +5 volt 75
6.4.20 CCP13VMo, CTOF monitor of +13 volt 75
6.4.21 CM5VMon, CTOF -5 volt monitor 76
6.4.22 CM13VMon, CTOF -13 volt monitor 76
6.4.23 CMcpsMon, CTOFmcp voltage monitor 77
6.4.24 CBubbleC, CTOF bubble current 77
6.4.25 CDoorSta, CTof door status obsolete 78
6.4.26 CFdcWind, CTof 78
6.4.27 CTeClk4, CTof 79
6.4.28 CHvpsCur, CTof 79
6.4.29 CHvpsTEM, high volt power supply temperature 80
6.4.30 CVvpsTEM, Variable volt power supply temperature 80
6.4.31 CHVPS, High volt power supply 81

6.4.32 CVVPsPOS, Variable volt power supply (positive) 81

6.4.33 CVVPSNeg, Variable volt power supply (negative) 82

6.4.34 CStart, CTOF start count rate 82

6.4.35 CDblC, CTOF Double coincident count rate 83

6.4.36 CTriC, CTOF Triple coincident count rate 83

6.4.37 CSolid, CTOF Solid state detector rate 84

6.4.38 CProt, CTOF proton 84

6.4.39 CStop, CTOF Helium rate 85

6.5 zVariables 85

6.6 end 85

6.1 header

CDF NAME:	SO_CEL_CTOF_HK_LA_V02				
DATA ENCODING:	NETWORK				
MAJORITY:	COLUMN				
FORMAT:	SINGLE				
Variables	G.Attributes	V.Attributes	Records	Dims	Sizes
36/0	21	17	0/z	0	

(Back to chapter 6)

6.2 GLOBALattributes

TITLE	1:	CDF_CHAR	CTOF housekeeping data
Project	1:	CDF_CHAR	ISTP>International Solar-Terrestrial Physics
Discipline	1:	CDF_CHAR	Solar Physics>Solar Wind
Source_name	1:	CDF_CHAR	SO>Solar Heliospheric Observatory (SOHO)
Descriptor	1:	CDF_CHAR	CEL>Charge, Element and Isotope Analysis System (C
	2:	CDF_CHAR	ELIAS)
Detector	1:	CDF_CHAR	CTOF>Charge Time Of Flight
Series_name	1:	CDF_CHAR	HK>Housekeeping
Data_type	1:	CDF_CHAR	LA>Level ASCII
Logical_source	1:	CDF_CHAR	SO_CEL_CTOF_HK_LA
TEXT	1:	CDF_CHAR	A description of the CELIAS instrument and
	2:	CDF_CHAR	scientific scope can be found on WWW
	3:	CDF_CHAR	at https://www.ieap.uni-kiel.de/et/soho/celias/
	4:	CDF_CHAR	or on the SOHO homepage at
	5:	CDF_CHAR	http://sohowww.nascom.nasa.gov/.
	6:	CDF_CHAR	A written description of CELIAS
	7:	CDF_CHAR	will appear in the special issue of
	8:	CDF_CHAR	Solar Physics dedicated to SOHO.
Data_version	1:	CDF_CHAR	01
MODS	1:	CDF_CHAR	<cwrap!actual_date>
skeleton_version	1:	CDF_CHAR	01
software_version	1:	CDF_CHAR	<cwrap!cwrap_version>
ADID_ref	1:	CDF_CHAR	NSSD0195
PI_name	1:	CDF_CHAR	Robert F. Wimmer-Schweingruber
PI_affiliation	1:	CDF_CHAR	Institut fuer Experimentelle und Angewandte Physik,
	2:	CDF_CHAR	Christian Albrechts Universitaet Kiel,
	3:	CDF_CHAR	Leibnizstr 11,
	4:	CDF_CHAR	24118 Kiel, Germany
Mission_group	1:	CDF_CHAR	SOHO
Instrument_type	1:	CDF_CHAR	Particles (space)
TEXT_supplement	1:	CDF_CHAR	engineering measurements (analog and digital)
TEXT_FOR_UOB	1:	CDF_CHAR	Gruenwaldt and weygand

(Back to chapter 6)

6.3 VARIABLEattributes

FIELDNAM	
VALIDMIN	
VALIDMAX	
SCALETYP	
SCALEMIN	
SCALEMAX	
UNITS	
LABLAXIS	
FORMAT	
DEPEND_0	
!	DEPEND_1
!	DEPEND_2
!	DEPEND_3
!	DEPEND_4
!	DEPEND_5
MONOTON	
VAR_TYPE	
FILLVAL	
DISPLAY_TYPE	
CATDESC	
COLUMNS	
TIME_FORMAT	

(Back to chapter 6)

6.4 variables

Variable Name	Data Type	Number Elements	Record Variance	Dimension Variances
Epoch	CDF_EPOCH	1	T	
EdbCnt	CDF_INT4	1	T	
HdbCnt	CDF_INT4	1	T	
StatBit7	CDF_INT2	1	T	
CTimeAmpConv	CDF_UINT1	1	T	
CSsd	CDF_UINT1	1	T	
CDIS	CDF_UINT1	1	T	
CPid	CDF_UINT1	1	T	
CpHeCC	CDF_UINT1	1	T	
CEnergyCal	CDF_FLOAT	1	T	
CTimeCal	CDF_UINT1	1	T	
CChPlatePs	CDF_UINT1	1	T	
CTrigSource	CDF_UINT1	1	T	
CTrigState	CDF_UINT1	1	T	
CADCState	CDF_UINT1	1	T	
CReadOutCtrl	CDF_UINT1	1	T	
CBulkHeadTEMP	CDF_FLOAT	1	T	
CCPwrCoupTEMP	CDF_FLOAT	1	T	
CCP5VMon	CDF_FLOAT	1	T	
CCP13VMon	CDF_FLOAT	1	T	
CM5VMon	CDF_FLOAT	1	T	
CM13VMon	CDF_FLOAT	1	T	
CMcpsMon	CDF_FLOAT	1	T	
CBubbleCur	CDF_FLOAT	1	T	
CDoorStat	CDF_INT2	1	T	
CFdcWindow	CDF_UINT1	1	T	
CTeClk4	CDF_INT2	1	T	
CHvpsCur	CDF_FLOAT	1	T	
CHvpsTEMP	CDF_FLOAT	1	T	
CVvpsTEMP	CDF_FLOAT	1	T	
CHVPS	CDF_FLOAT	1	T	
CVVPsPOS	CDF_FLOAT	1	T	
CVVPSNeg	CDF_FLOAT	1	T	
CStart	CDF_INT4	1	T	
CDblC	CDF_INT4	1	T	
CTriC	CDF_INT4	1	T	
CSolid	CDF_INT4	1	T	
CProt	CDF_INT4	1	T	
CStop	CDF_INT4	1	T	

(Back to chapter 6)

6.4.1 Epoch, Time TAI

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Time TAI
VALIDMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
VALIDMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALEMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
SCALEMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Epoch
UNITS	CDF_CHAR	ms
VAR_TYPE	CDF_CHAR	support_data
CATDESC	CDF_CHAR	Epoch, Time TAI
FILLVAL	CDF_EPOCH	31-Dec-9999 23:59:59.999
DISPLAY_TYPE	CDF_CHAR	time_series
MONOTON	CDF_CHAR	INCREASE
TIME_FORMAT	CDF_CHAR	sec70base
COLUMNS	CDF_CHAR	0-0

(Back to chapter 6)

6.4.2 EdbCnt, edb counter

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	edb counter
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	2000000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	2000000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	EdbCnt
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	EdbCnt, edb counter
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	1-1

(Back to chapter 6)

6.4.3 HdbCnt, Hdb counter (generated edbs)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Hdb counter (generated edbs)
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	2000000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	2000000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	HdbCnt
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	HdbCnt, Hdb counter (generated edbs)
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	2-2

(Back to chapter 6)

6.4.4 StatBit7, Coded mode info

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Coded mode info
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	255
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	255
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	StatBit7
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	StatBit7, Coded mode info
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	3-3

(Back to chapter 6)

6.4.5 CTimeAmp, Obsolete always zero

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Obsolete always zero
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	10
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	10
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CTimeAmp
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CTimeAmp, Obsolete always zero
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	4-4

(Back to chapter 6)

6.4.6 CSsd, CTOF solid state detector (on off status)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	CTOF solid state detector (on off status)
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	1
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	1
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CSsd
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CSsd, CTOF solid state detector (on off status)
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	5-5

(Back to chapter 6)

6.4.7 CDIS, CTOF SSD discriminator settng

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	CTOF SSD discriminator settng
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	1
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	1
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CDIS
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CDIS, CTOF SSD discriminator settng
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	6-6

(Back to chapter 6)

6.4.8 CPid, CTOF proton identifier on off setting

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	CTOF proton identifier on off setting
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	1
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	1
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CPid
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CPid, CTOF proton identifier on off setting
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	7-7

(Back to chapter 6)

6.4.9 CpHeCC, CTOF proton helium supression on off

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	CTOF proton helium supression on off
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	1
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	1
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CpHeCC
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CpHeCC, CTOF proton helium supression on off
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	8-8

(Back to chapter 6)

6.4.10 CEnergyC, CTOF proton helium supression on off

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	CTOF proton helium supression on off
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	600
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	600
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CEnergyC
UNITS	CDF_CHAR	keV
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CEnergyC, CTOF proton helium supression on off
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F3.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	9-9

(Back to chapter 6)

6.4.11 CTimeCal, Time Calibration

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Time Calibration
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	13
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	13
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CTimeCal
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CTimeCal, Time Calibration
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	10-10

(Back to chapter 6)

6.4.12 CChPlate, Channel plate power supply

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Channel plate power supply
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	7
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	7
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CChPlate
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CChPlate, Channel plate power supply
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	11-11

(Back to chapter 6)

6.4.13 CTrigSou, CTOF trigger source for PHA

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	CTOF trigger source for PHA
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	3
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	3
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CTrigSou
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CTrigSou, CTOF trigger source for PHA
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	12-12

(Back to chapter 6)

6.4.14 CTrigSta, CTOF trigger state

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	CTOF trigger state
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	1
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	1
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CTrigSta
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CTrigSta, CTOF trigger state
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	13-13

(Back to chapter 6)

6.4.15 CADCStat, CTOF PHA on off

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	CTOF PHA on off
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	1
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	1
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CADCStat
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CADCStat, CTOF PHA on off
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	14-14

(Back to chapter 6)

6.4.16 CReadOut, Ctof read out control

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Ctof read out control
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	15
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	15
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CReadOut
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CReadOut, Ctof read out control
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	15-15

(Back to chapter 6)

6.4.17 CBulkHea, CTOF bulk head temperature

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	CTOF bulk head temperature
VALIDMIN	CDF_FLOAT	-10
VALIDMAX	CDF_FLOAT	100
SCALEMIN	CDF_FLOAT	-10
SCALEMAX	CDF_FLOAT	100
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CBulkHea
UNITS	CDF_CHAR	Deg C
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CBulkHea, CTOF bulk head temperature
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	16-16

(Back to chapter 6)

6.4.18 CCPwrCou, CTOF power coupler temp

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	CTOF power coupler temp
VALIDMIN	CDF_FLOAT	-10
VALIDMAX	CDF_FLOAT	100
SCALEMIN	CDF_FLOAT	-10
SCALEMAX	CDF_FLOAT	100
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CCPwrCou
UNITS	CDF_CHAR	Deg C
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CCPwrCou, CTOF power coupler temp
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	17-17

(Back to chapter 6)

6.4.19 CCP5VMon, CTOF monitor of +5 volt

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	CTOF monitor of +5 volt
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	6
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	6
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CCP5VMon
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CCP5VMon, CTOF monitor of +5 volt
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	18-18

(Back to chapter 6)

6.4.20 CCP13VMo, CTOF monitor of +13 volt

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	CTOF monitor of +13 volt
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	15
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	15
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CCP13VMo
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CCP13VMo, CTOF monitor of +13 volt
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	19-19

(Back to chapter 6)

6.4.21 CM5VMon, CTOF -5 volt monitor

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	CTOF -5 volt monitor
VALIDMIN	CDF_FLOAT	-10
VALIDMAX	CDF_FLOAT	0
SCALEMIN	CDF_FLOAT	-8
SCALEMAX	CDF_FLOAT	-2
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CM5VMon
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CM5VMon, CTOF -5 volt monitor
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F2.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	20-20

(Back to chapter 6)

6.4.22 CM13VMon, CTOF -13 volt monitor

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	CTOF -13 volt monitor
VALIDMIN	CDF_FLOAT	-20
VALIDMAX	CDF_FLOAT	0
SCALEMIN	CDF_FLOAT	-15
SCALEMAX	CDF_FLOAT	3
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CM13VMon
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CM13VMon, CTOF -13 volt monitor
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F2.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	21-21

(Back to chapter 6)

6.4.23 CMcpsMon, CTOFmcp voltage monitor

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	CTOFmcp voltage monitor
VALIDMIN	CDF_FLOAT	-9999
VALIDMAX	CDF_FLOAT	4000
SCALEMIN	CDF_FLOAT	-9999
SCALEMAX	CDF_FLOAT	4000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CMcpsMon
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CMcpsMon, CTOFmcp voltage monitor
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	22-22

(Back to chapter 6)

6.4.24 CBubbleC, CTOF bubble current

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	CTOF bubble current
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	140
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	140
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CBubbleC
UNITS	CDF_CHAR	mA
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CBubbleC, CTOF bubble current
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	23-23

(Back to chapter 6)

6.4.25 CDoorSta, CTof door status obsolete

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	CTof door status obsolete
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	255
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	255
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CDoorSta
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CDoorSta, CTof door status obsolete
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	24-24

(Back to chapter 6)

6.4.26 CFdcWind, CTof

Attribute Name	Data Type	Value	
FIELDNAM	CDF_CHAR	CTof	conversion window
VALIDMIN	CDF_UINT1	0	
VALIDMAX	CDF_UINT1	4	
SCALEMIN	CDF_UINT1	0	
SCALEMAX	CDF_UINT1	4	
SCALETYP	CDF_CHAR	linear	
LABLAXIS	CDF_CHAR	CFdcWind	
UNITS	CDF_CHAR	-	
VAR_TYPE	CDF_CHAR	data	
CATDESC	CDF_CHAR	CFdcWind, CTof	conversion window
FILLVAL	CDF_UINT1	255	
DISPLAY_TYPE	CDF_CHAR	time_series	
FORMAT	CDF_CHAR	I3	
DEPEND_0	CDF_CHAR	Epoch	
COLUMNS	CDF_CHAR	25-25	

(Back to chapter 6)

6.4.27 CTeClk4, CTof

Attribute Name	Data Type	Value	
FIELDNAM	CDF_CHAR	CTof	spare (obsolete)
VALIDMIN	CDF_INT2	0	
VALIDMAX	CDF_INT2	255	
SCALEMIN	CDF_INT2	0	
SCALEMAX	CDF_INT2	255	
SCALETYP	CDF_CHAR	linear	
LABLAXIS	CDF_CHAR	CTeClk4	
UNITS	CDF_CHAR	-	
VAR_TYPE	CDF_CHAR	data	
CATDESC	CDF_CHAR	CTeClk4, CTof	spare (obsolete)
FILLVAL	CDF_INT2	-32767	
DISPLAY_TYPE	CDF_CHAR	time_series	
FORMAT	CDF_CHAR	I5	
DEPEND_0	CDF_CHAR	Epoch	
COLUMNS	CDF_CHAR	26-26	

(Back to chapter 6)

6.4.28 CHvpsCur, CTof

Attribute Name	Data Type	Value	
FIELDNAM	CDF_CHAR	CTof	High volt power supply current
VALIDMIN	CDF_FLOAT	0	
VALIDMAX	CDF_FLOAT	200	
SCALEMIN	CDF_FLOAT	0	
SCALEMAX	CDF_FLOAT	200	
SCALETYP	CDF_CHAR	linear	
LABLAXIS	CDF_CHAR	CHvpsCur	
UNITS	CDF_CHAR	mA	
VAR_TYPE	CDF_CHAR	data	
CATDESC	CDF_CHAR	CHvpsCur, CTof	High volt power supply current
FILLVAL	CDF_FLOAT	-1e37	
DISPLAY_TYPE	CDF_CHAR	time_series	
FORMAT	CDF_CHAR	F4.1	
DEPEND_0	CDF_CHAR	Epoch	
COLUMNS	CDF_CHAR	27-27	

(Back to chapter 6)

6.4.29 CHvpsTEM, high volt power supply temperature

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	high volt power supply temperature
VALIDMIN	CDF_FLOAT	-10
VALIDMAX	CDF_FLOAT	100
SCALEMIN	CDF_FLOAT	-10
SCALEMAX	CDF_FLOAT	100
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CHvpsTEM
UNITS	CDF_CHAR	Deg C
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CHvpsTEM, high volt power supply temperature
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	28-28

(Back to chapter 6)

6.4.30 CVvpsTEM, Variable volt power supply temperature

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Variable volt power supply temperature
VALIDMIN	CDF_FLOAT	-10
VALIDMAX	CDF_FLOAT	100
SCALEMIN	CDF_FLOAT	-10
SCALEMAX	CDF_FLOAT	100
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CVvpsTEM
UNITS	CDF_CHAR	Deg C
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CVvpsTEM, Variable volt power supply temperature
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	29-29

(Back to chapter 6)

6.4.31 CHVPS, High volt power supply

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	High volt power supply
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	35
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	35
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CHVPS
UNITS	CDF_CHAR	kV
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CHVPS, High volt power supply
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	30-30

(Back to chapter 6)

6.4.32 CVVPsPOS, Variable volt power supply (positive)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Variable volt power supply (positive)
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	8
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	8
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CVVPsPOS
UNITS	CDF_CHAR	kV
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CVVPsPOS, Variable volt power supply (positive)
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F1.3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	31-31

(Back to chapter 6)

6.4.33 CVVPSNeg, Variable volt power supply (negative)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Variable volt power supply (negative)
VALIDMIN	CDF_FLOAT	-8
VALIDMAX	CDF_FLOAT	0
SCALEMIN	CDF_FLOAT	-8
SCALEMAX	CDF_FLOAT	0
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CVVPSNeg
UNITS	CDF_CHAR	kV
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CVVPSNeg, Variable volt power supply (negative)
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F1.3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	32-32

(Back to chapter 6)

6.4.34 CStart, CTOF start count rate

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	CTOF start count rate
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	2000000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	2000000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CStart
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CStart, CTOF start count rate
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	33-33

(Back to chapter 6)

6.4.35 CDblC, CTOF Double coincident count rate

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	CTOF Double coincident count rate
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	2000000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	2000000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CDblC
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CDblC, CTOF Double coincident count rate
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	34-34

(Back to chapter 6)

6.4.36 CTriC, CTOF Triple coincident count rate

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	CTOF Triple coincident count rate
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	2000000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	2000000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CTriC
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CTriC, CTOF Triple coincident count rate
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	35-35

(Back to chapter 6)

6.4.37 CSolid, CTOF Solid state detector rate

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	CTOF Solid state detector rate
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	2000000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	2000000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CSolid
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CSolid, CTOF Solid state detector rate
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	36-36

(Back to chapter 6)

6.4.38 CProt, CTOF proton

Attribute Name	Data Type	Value	
FIELDNAM	CDF_CHAR	CTOF proton	rate
VALIDMIN	CDF_INT4	0	
VALIDMAX	CDF_INT4	2000000000	
SCALEMIN	CDF_INT4	0	
SCALEMAX	CDF_INT4	2000000000	
SCALETYP	CDF_CHAR	linear	
LABLAXIS	CDF_CHAR	CProt	
UNITS	CDF_CHAR	-	
VAR_TYPE	CDF_CHAR	data	
CATDESC	CDF_CHAR	CProt, CTOF proton	rate
FILLVAL	CDF_INT4	-2147483647	
DISPLAY_TYPE	CDF_CHAR	time_series	
FORMAT	CDF_CHAR	I10	
DEPEND_0	CDF_CHAR	Epoch	
COLUMNS	CDF_CHAR	37-37	

(Back to chapter 6)

6.4.39 CStop, CTOF Helium rate

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	CTOF Helium rate
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	2000000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	2000000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CStop
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CStop, CTOF Helium rate
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	38-38

(Back to chapter 6)

6.5 zVariables

No zVariables (Back to chapter 6)

6.6 end

!# server>	client terminated data transfer at 20000204.101636
!# server>	eof cw-2000-034.000.skt

(Back to chapter 6)

Chapter 7

CTOF ME L0 V03

Contents

7.1 header **87**

7.2 GLOBALattributes **88**

7.3 VARIABLEattributes **89**

7.4 variables **89**

7.4.1 Epoch, Time TAI 89

7.4.2 ME, matrix elements (matrix) 90

7.5 zVariables **90**

7.6 end **90**

7.1 header

CDF NAME:	SO_CEL_CTOF_ME_L0_V03				
DATA ENCODING:	NETWORK				
MAJORITY:	COLUMN				
FORMAT:	SINGLE				
Variables	G.Attributes	V.Attributes	Records	Dims	Sizes
2/0	21	17	0/z	1	1608

(Back to chapter 7)

7.2 GLOBALattributes

TITLE	1:	CDF_CHAR	CME matrix elements
Project	1:	CDF_CHAR	ISTP>International Solar-Terrestrial Physics
Discipline	1:	CDF_CHAR	Solar Physics>Solar Wind
Source_name	1:	CDF_CHAR	SO>Solar Heliospheric Observatory (SOHO)
Descriptor	1:	CDF_CHAR	CEL>Charge, Element and Isotope Analysis System (C
	2:	CDF_CHAR	ELIAS)
Detector	1:	CDF_CHAR	CTOF>Charge Time Of Flight
Series_name	1:	CDF_CHAR	ME>Matrix Elements
Data_type	1:	CDF_CHAR	L0>Level 0
Logical_source	1:	CDF_CHAR	SO_CEL_CTOF_ME_L0
TEXT	1:	CDF_CHAR	A description of the CELIAS instrument and
	2:	CDF_CHAR	scientific scope can be found on WWW
	3:	CDF_CHAR	at https://www.ieap.uni-kiel.de/et/soho/celias/
	4:	CDF_CHAR	or on the SOHO homepage at
	5:	CDF_CHAR	http://sohowww.nascom.nasa.gov/.
	6:	CDF_CHAR	A written description of CELIAS
	7:	CDF_CHAR	will appear in the special issue of
	8:	CDF_CHAR	Solar Physics dedicated to SOHO.
Data_version	1:	CDF_CHAR	01
MODS	1:	CDF_CHAR	<cwrap!actual_date>
skeleton_version	1:	CDF_CHAR	01
software_version	1:	CDF_CHAR	<cwrap!cwrap_version>
ADID_ref	1:	CDF_CHAR	NSSD0195
PI_name	1:	CDF_CHAR	Robert F. Wimmer-Schweingruber
PI_affiliation	1:	CDF_CHAR	Institut fuer Experimentelle und Angewandte Physik,
	2:	CDF_CHAR	Christian Albrechts Universitaet Kiel,
	3:	CDF_CHAR	Leibnizstr 11,
	4:	CDF_CHAR	24118 Kiel, Germany
Mission_group	1:	CDF_CHAR	SOHO
Instrument_type	1:	CDF_CHAR	Particles (space)
TEXT_supplement	1:	CDF_CHAR	CTOF matrix elements (Not valid after switch mode
	2:	CDF_CHAR	on CTOF)
	3:	CDF_CHAR	not used after sept, 1996
TEXT_FOR_UOB	1:	CDF_CHAR	Gruenwaldt and weyygand

(Back to chapter 7)

7.3 VARIABLEattributes

FIELDNAM	
VALIDMIN	
VALIDMAX	
SCALETYP	
SCALEMIN	
SCALEMAX	
UNITS	
LABLAXIS	
FORMAT	
DEPEND_0	
!	DEPEND_1
!	DEPEND_2
!	DEPEND_3
!	DEPEND_4
!	DEPEND_5
MONOTON	
VAR_TYPE	
FILLVAL	
DISPLAY_TYPE	
CATDESC	
COLUMNS	
TIME_FORMAT	

(Back to chapter 7)

7.4 variables

Variable Name	Data Type	Number Elements	Record Variance	Dimension Variances
Epoch	CDF_EPOCH	1	T	F
ME	CDF_FLOAT	1	T	T

(Back to chapter 7)

7.4.1 Epoch, Time TAI

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Time TAI
VALIDMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
VALIDMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALEMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
SCALEMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Epoch
UNITS	CDF_CHAR	ms
VAR_TYPE	CDF_CHAR	support_data
CATDESC	CDF_CHAR	Epoch, Time TAI
FILLVAL	CDF_EPOCH	31-Dec-9999 23:59:59.999
DISPLAY_TYPE	CDF_CHAR	time_series
MONOTON	CDF_CHAR	INCREASE
TIME_FORMAT	CDF_CHAR	sec70base
COLUMNS	CDF_CHAR	0-0

(Back to chapter 7)

7.4.2 ME, matrix elements (matrix)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	matrix elements (matrix)
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	ME
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	ME, matrix elements (matrix)
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	1-1608

(Back to chapter 7)

7.5 zVariables

No zVariables (Back to chapter 7)

7.6 end

!# server>	client terminated data transfer at 20000204.103446
!# server>	eof cw-2000-034.001.skt

(Back to chapter 7)

Chapter 8

CTOF ME LA V03

Contents

8.1 header **91**

8.2 GLOBALattributes **92**

8.3 VARIABLEattributes **93**

8.4 variables **93**

8.4.1 Epoch, Time TAI 93

8.4.2 ME, matrix elements (matrix) 94

8.5 zVariables **94**

8.6 end **94**

8.1 header

CDF NAME:	SO_CEL_CTOF_ME_LA_V02				
DATA ENCODING:	NETWORK				
MAJORITY:	COLUMN				
FORMAT:	SINGLE				
Variables	G.Attributes	V.Attributes	Records	Dims	Sizes
2/0	21	17	0/z	1	1608

(Back to chapter 8)

8.2 GLOBALattributes

TITLE	1:	CDF_CHAR	CME matrix elements
Project	1:	CDF_CHAR	ISTP>International Solar-Terrestrial Physics
Discipline	1:	CDF_CHAR	Solar Physics>Solar Wind
Source_name	1:	CDF_CHAR	SO>Solar Heliospheric Observatory (SOHO)
Descriptor	1:	CDF_CHAR	CEL>Charge, Element and Isotope Analysis System (C
	2:	CDF_CHAR	ELIAS)
Detector	1:	CDF_CHAR	CTOF>Charge Time Of Flight
Series_name	1:	CDF_CHAR	ME>Matrix Elements
Data_type	1:	CDF_CHAR	LA>Level ASCII
Logical_source	1:	CDF_CHAR	SO_CEL_CTOF_ME_LA
TEXT	1:	CDF_CHAR	A description of the CELIAS instrument and
	2:	CDF_CHAR	scientific scope can be found on WWW
	3:	CDF_CHAR	at https://www.ieap.uni-kiel.de/et/soho/celias/
	4:	CDF_CHAR	or on the SOHO homepage at
	5:	CDF_CHAR	http://sohowww.nascom.nasa.gov/.
	6:	CDF_CHAR	A written description of CELIAS
	7:	CDF_CHAR	will appear in the special issue of
	8:	CDF_CHAR	Solar Physics dedicated to SOHO.
Data_version	1:	CDF_CHAR	01
MODS	1:	CDF_CHAR	<cwrap!actual_date>
skeleton_version	1:	CDF_CHAR	01
software_version	1:	CDF_CHAR	<cwrap!cwrap_version>
ADID_ref	1:	CDF_CHAR	NSSD0195
PI_name	1:	CDF_CHAR	Robert F. Wimmer-Schweingruber
PI_affiliation	1:	CDF_CHAR	Institut fuer Experimentelle und Angewandte Physik,
	2:	CDF_CHAR	Christian Albrechts Universitaet Kiel,
	3:	CDF_CHAR	Leibnizstr 11,
	4:	CDF_CHAR	24118 Kiel, Germany
Mission_group	1:	CDF_CHAR	SOHO
Instrument_type	1:	CDF_CHAR	Particles (space)
TEXT_supplement	1:	CDF_CHAR	CTOF matrix elements (Not valid after switch mode
	2:	CDF_CHAR	on CTOF)
	3:	CDF_CHAR	not used after sept, 1996
TEXT_FOR_UOB	1:	CDF_CHAR	Gruenwaldt and weyygand

(Back to chapter 8)

8.3 VARIABLEattributes

FIELDNAM	
VALIDMIN	
VALIDMAX	
SCALETYP	
SCALEMIN	
SCALEMAX	
UNITS	
LABLAXIS	
FORMAT	
DEPEND_0	
!	DEPEND_1
!	DEPEND_2
!	DEPEND_3
!	DEPEND_4
!	DEPEND_5
MONOTON	
VAR_TYPE	
FILLVAL	
DISPLAY_TYPE	
CATDESC	
COLUMNS	
TIME_FORMAT	

(Back to chapter 8)

8.4 variables

Variable Name	Data Type	Number Elements	Record Variance	Dimension Variances
Epoch	CDF_EPOCH	1	T	F
ME	CDF_FLOAT	1	T	T

(Back to chapter 8)

8.4.1 Epoch, Time TAI

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Time TAI
VALIDMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
VALIDMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALEMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
SCALEMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Epoch
UNITS	CDF_CHAR	ms
VAR_TYPE	CDF_CHAR	support_data
CATDESC	CDF_CHAR	Epoch, Time TAI
FILLVAL	CDF_EPOCH	31-Dec-9999 23:59:59.999
DISPLAY_TYPE	CDF_CHAR	time_series
MONOTON	CDF_CHAR	INCREASE
TIME_FORMAT	CDF_CHAR	sec70base
COLUMNS	CDF_CHAR	0-0

(Back to chapter 8)

8.4.2 ME, matrix elements (matrix)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	matrix elements (matrix)
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	ME
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	ME, matrix elements (matrix)
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	1-1608

(Back to chapter 8)

8.5 zVariables

No zVariables (Back to chapter 8)

8.6 end

!# server>	client terminated data transfer at 20000204.103446
!# server>	eof cw-2000-034.001.skt

(Back to chapter 8)

Chapter 9

CTOF MR L0 V03

Contents

9.1 header 96
9.2 GLOBALattributes 96
9.3 VARIABLEattributes 97
9.4 variables 98
9.4.1 Epoch, Time TAI 98
9.4.2 MR#, spectrum matrix rate number 99
9.4.3 Vsw, Velocity of the solar wind 99
9.4.4 MR0, matrix rate element 0 for MR# 100
9.4.5 MR1, matrix rate element 1 100
9.4.6 MR2, matrix rate element 2 101
9.4.7 MR3, matrix rate element 101
9.4.8 MR4, matrix rate element 102
9.4.9 MR5, matrix rate element 102
9.4.10 MR6, matrix rate element 103
9.4.11 MR7, matrix rate element 103
9.4.12 MR8, matrix rate element 104
9.4.13 MR9, matrix rate element 104
9.4.14 MR10, matrix rate element 10 for MR# 105
9.4.15 MR11, matrix rate element 11 for MR# 105
9.4.16 MR12, matrix rate element 12 for MR# 106
9.4.17 MR13, matrix rate element 13 for MR# 106
9.4.18 MR14, matrix rate element 14 for MR# 107
9.4.19 MR15, matrix rate element 15 for MR# 107
9.4.20 MR16, matrix rate element 16 for MR# 108
9.4.21 MR17, matrix rate element 17 for MR# 108
9.4.22 MR18, matrix rate element 18 for MR# 109
9.4.23 MR19, matrix rate element 19 for MR# 109
9.4.24 MR20, matrix rate element 20 for MR# 110
9.5 zVariables 110
9.6 end 110

9.1 header

CDF NAME:	SO_CEL_CTOF_MR_L0_V03				
DATA ENCODING:	NETWORK				
MAJORITY:	COLUMN				
FORMAT:	SINGLE				
Variables	G.Attributes	V.Attributes	Records	Dims	Sizes
24/0	21	17	0/z	0	

(Back to chapter 9)

9.2 GLOBALattributes

TITLE	1:	CDF_CHAR	CTOF Matrix Rates
Project	1:	CDF_CHAR	ISTP>International Solar-Terrestrial Physics
Discipline	1:	CDF_CHAR	Solar Physics>Solar Wind
Source_name	1:	CDF_CHAR	SO>Solar Heliospheric Observatory (SOHO)
Descriptor	1:	CDF_CHAR	CEL>Charge, Element and Isotope Analysis System (C
	2:	CDF_CHAR	ELIAS)
Detector	1:	CDF_CHAR	CTOF>Charge Time Of Flight
Series_name	1:	CDF_CHAR	MR>Matrix Rates
Data_type	1:	CDF_CHAR	L0>Level 0
Logical_source	1:	CDF_CHAR	SO_CEL_CTOF_MR_L0
TEXT	1:	CDF_CHAR	A description of the CELIAS instrument and
	2:	CDF_CHAR	scientific scope can be found on WWW
	3:	CDF_CHAR	at https://www.ieap.uni-kiel.de/et/soho/celias/
	4:	CDF_CHAR	or on the SOHO homepage at
	5:	CDF_CHAR	http://sohowww.nascom.nasa.gov/.
	6:	CDF_CHAR	A written description of CELIAS
	7:	CDF_CHAR	will appear in the special issue of
	8:	CDF_CHAR	Solar Physics dedicated to SOHO.
Data_version	1:	CDF_CHAR	01
MODS	1:	CDF_CHAR	<cwrap!actual_date>
skeleton_version	1:	CDF_CHAR	01
software_version	1:	CDF_CHAR	<cwrap!cwrap_version>
ADID_ref	1:	CDF_CHAR	NSSD0195
PI_name	1:	CDF_CHAR	Robert F. Wimmer-Schweingruber
PI_affiliation	1:	CDF_CHAR	Institut fuer Experimentelle und Angewandte Physik,
	2:	CDF_CHAR	Christian Albrechts Universitaet Kiel,
	3:	CDF_CHAR	Leibnizstr 11,
	4:	CDF_CHAR	24118 Kiel, Germany
Mission_group	1:	CDF_CHAR	SOHO
Instrument_type	1:	CDF_CHAR	Particles (space)
TEXT_supplement	1:	CDF_CHAR	Energy spectrum matrix rates for CTOF
TEXT_FOR_UOB	1:	CDF_CHAR	Gruenwaldt and weygand

(Back to chapter 9)

9.3 VARIABLEattributes

FIELDNAM	
VALIDMIN	
VALIDMAX	
SCALETYP	
SCALEMIN	
SCALEMAX	
UNITS	
LABLAXIS	
FORMAT	
DEPEND_0	
!	DEPEND_1
!	DEPEND_2
!	DEPEND_3
!	DEPEND_4
!	DEPEND_5
MONOTON	
VAR_TYPE	
FILLVAL	
DISPLAY_TYPE	
CATDESC	
COLUMNS	
TIME_FORMAT	

(Back to chapter 9)

9.4 variables

Variable Name	Data Type	Number Elements	Record Variance	Dimension Variances
Epoch	CDF_EPOCH	1	T	
MR#	CDF_INT2	1	T	
Vsw	CDF_FLOAT	1	T	
MR0	CDF_INT4	1	T	
MR1	CDF_INT4	1	T	
MR2	CDF_INT4	1	T	
MR3	CDF_INT4	1	T	
MR4	CDF_INT4	1	T	
MR5	CDF_INT4	1	T	
MR6	CDF_INT4	1	T	
MR7	CDF_INT4	1	T	
MR8	CDF_INT4	1	T	
MR9	CDF_INT4	1	T	
MR10	CDF_INT4	1	T	
MR11	CDF_INT4	1	T	
MR12	CDF_INT4	1	T	
MR13	CDF_INT4	1	T	
MR14	CDF_INT4	1	T	
MR15	CDF_INT4	1	T	
MR16	CDF_INT4	1	T	
MR17	CDF_INT4	1	T	
MR18	CDF_INT4	1	T	
MR19	CDF_INT4	1	T	
MR20	CDF_INT4	1	T	

(Back to chapter 9)

9.4.1 Epoch, Time TAI

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Time TAI
VALIDMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
VALIDMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALEMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
SCALEMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Epoch
UNITS	CDF_CHAR	ms
VAR_TYPE	CDF_CHAR	support_data
CATDESC	CDF_CHAR	Epoch, Time TAI
FILLVAL	CDF_EPOCH	31-Dec-9999 23:59:59.999
DISPLAY_TYPE	CDF_CHAR	time_series
MONOTON	CDF_CHAR	INCREASE
TIME_FORMAT	CDF_CHAR	sec70base
COLUMNS	CDF_CHAR	0-0

(Back to chapter 9)

9.4.2 MR#, spectrum matrix rate number

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	spectrum matrix rate number
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	507
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	507
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MR#
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MR#, spectrum matrix rate number
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	1-1

(Back to chapter 9)

9.4.3 Vsw, Velocity of the solar wind

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Velocity of the solar wind
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	2000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	2000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Vsw
UNITS	CDF_CHAR	km/s
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	Vsw, Velocity of the solar wind
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	2-2

(Back to chapter 9)

9.4.4 MR0, matrix rate element 0 for MR#

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	matrix rate element 0 for MR#
VALIDMIN	CDF_INT4	-2
VALIDMAX	CDF_INT4	1000000
SCALEMIN	CDF_INT4	-2
SCALEMAX	CDF_INT4	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MR0
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MR0, matrix rate element 0 for MR#
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	3-3

(Back to chapter 9)

9.4.5 MR1, matrix rate element 1

Attribute Name	Data Type	Value	
FIELDNAM	CDF_CHAR	matrix rate element 1	for MR#
VALIDMIN	CDF_INT4	-2	
VALIDMAX	CDF_INT4	1000000	
SCALEMIN	CDF_INT4	-2	
SCALEMAX	CDF_INT4	1000000	
SCALETYP	CDF_CHAR	linear	
LABLAXIS	CDF_CHAR	MR1	
UNITS	CDF_CHAR	-	
VAR_TYPE	CDF_CHAR	data	
CATDESC	CDF_CHAR	MR1, matrix rate element 1	for MR#
FILLVAL	CDF_INT4	-2147483647	
DISPLAY_TYPE	CDF_CHAR	time_series	
FORMAT	CDF_CHAR	I10	
DEPEND_0	CDF_CHAR	Epoch	
COLUMNS	CDF_CHAR	4-4	

(Back to chapter 9)

9.4.6 MR2, matrix rate element 2

Attribute Name	Data Type	Value	
FIELDNAM	CDF_CHAR	matrix rate element 2	for MR#
VALIDMIN	CDF_INT4	-2	
VALIDMAX	CDF_INT4	1000000	
SCALEMIN	CDF_INT4	-2	
SCALEMAX	CDF_INT4	1000000	
SCALETYP	CDF_CHAR	linear	
LABLAXIS	CDF_CHAR	MR2	
UNITS	CDF_CHAR	-	
VAR_TYPE	CDF_CHAR	data	
CATDESC	CDF_CHAR	MR2, matrix rate element 2	for MR#
FILLVAL	CDF_INT4	-2147483647	
DISPLAY_TYPE	CDF_CHAR	time_series	
FORMAT	CDF_CHAR	I10	
DEPEND_0	CDF_CHAR	Epoch	
COLUMNS	CDF_CHAR	5-5	

(Back to chapter 9)

9.4.7 MR3, matrix rate element

Attribute Name	Data Type	Value	
FIELDNAM	CDF_CHAR	matrix rate element	3 for MR#
VALIDMIN	CDF_INT4	-2	
VALIDMAX	CDF_INT4	1000000	
SCALEMIN	CDF_INT4	-2	
SCALEMAX	CDF_INT4	1000000	
SCALETYP	CDF_CHAR	linear	
LABLAXIS	CDF_CHAR	MR3	
UNITS	CDF_CHAR	-	
VAR_TYPE	CDF_CHAR	data	
CATDESC	CDF_CHAR	MR3, matrix rate element	3 for MR#
FILLVAL	CDF_INT4	-2147483647	
DISPLAY_TYPE	CDF_CHAR	time_series	
FORMAT	CDF_CHAR	I10	
DEPEND_0	CDF_CHAR	Epoch	
COLUMNS	CDF_CHAR	6-6	

(Back to chapter 9)

9.4.8 MR4, matrix rate element

Attribute Name	Data Type	Value	
FIELDNAM	CDF_CHAR	matrix rate element	4 for MR#
VALIDMIN	CDF_INT4	-2	
VALIDMAX	CDF_INT4	1000000	
SCALEMIN	CDF_INT4	-2	
SCALEMAX	CDF_INT4	1000000	
SCALETYP	CDF_CHAR	linear	
LABLAXIS	CDF_CHAR	MR4	
UNITS	CDF_CHAR	-	
VAR_TYPE	CDF_CHAR	data	
CATDESC	CDF_CHAR	MR4, matrix rate element	4 for MR#
FILLVAL	CDF_INT4	-2147483647	
DISPLAY_TYPE	CDF_CHAR	time_series	
FORMAT	CDF_CHAR	I10	
DEPEND_0	CDF_CHAR	Epoch	
COLUMNS	CDF_CHAR	7-7	

(Back to chapter 9)

9.4.9 MR5, matrix rate element

Attribute Name	Data Type	Value	
FIELDNAM	CDF_CHAR	matrix rate element	5 for MR#
VALIDMIN	CDF_INT4	-2	
VALIDMAX	CDF_INT4	1000000	
SCALEMIN	CDF_INT4	-2	
SCALEMAX	CDF_INT4	1000000	
SCALETYP	CDF_CHAR	linear	
LABLAXIS	CDF_CHAR	MR5	
UNITS	CDF_CHAR	-	
VAR_TYPE	CDF_CHAR	data	
CATDESC	CDF_CHAR	MR5, matrix rate element	5 for MR#
FILLVAL	CDF_INT4	-2147483647	
DISPLAY_TYPE	CDF_CHAR	time_series	
FORMAT	CDF_CHAR	I10	
DEPEND_0	CDF_CHAR	Epoch	
COLUMNS	CDF_CHAR	8-8	

(Back to chapter 9)

9.4.10 MR6, matrix rate element

Attribute Name	Data Type	Value	
FIELDNAM	CDF_CHAR	matrix rate element	6 for MR#
VALIDMIN	CDF_INT4	-2	
VALIDMAX	CDF_INT4	1000000	
SCALEMIN	CDF_INT4	-2	
SCALEMAX	CDF_INT4	1000000	
SCALETYP	CDF_CHAR	linear	
LABLAXIS	CDF_CHAR	MR6	
UNITS	CDF_CHAR	-	
VAR_TYPE	CDF_CHAR	data	
CATDESC	CDF_CHAR	MR6, matrix rate element	6 for MR#
FILLVAL	CDF_INT4	-2147483647	
DISPLAY_TYPE	CDF_CHAR	time_series	
FORMAT	CDF_CHAR	I10	
DEPEND_0	CDF_CHAR	Epoch	
COLUMNS	CDF_CHAR	9-9	

(Back to chapter 9)

9.4.11 MR7, matrix rate element

Attribute Name	Data Type	Value	
FIELDNAM	CDF_CHAR	matrix rate element	7 for MR#
VALIDMIN	CDF_INT4	-2	
VALIDMAX	CDF_INT4	1000000	
SCALEMIN	CDF_INT4	-2	
SCALEMAX	CDF_INT4	1000000	
SCALETYP	CDF_CHAR	linear	
LABLAXIS	CDF_CHAR	MR7	
UNITS	CDF_CHAR	-	
VAR_TYPE	CDF_CHAR	data	
CATDESC	CDF_CHAR	MR7, matrix rate element	7 for MR#
FILLVAL	CDF_INT4	-2147483647	
DISPLAY_TYPE	CDF_CHAR	time_series	
FORMAT	CDF_CHAR	I10	
DEPEND_0	CDF_CHAR	Epoch	
COLUMNS	CDF_CHAR	10-10	

(Back to chapter 9)

9.4.12 MR8, matrix rate element

Attribute Name	Data Type	Value	
FIELDNAM	CDF_CHAR	matrix rate element	8 for MR#
VALIDMIN	CDF_INT4	-2	
VALIDMAX	CDF_INT4	1000000	
SCALEMIN	CDF_INT4	-2	
SCALEMAX	CDF_INT4	1000000	
SCALETYP	CDF_CHAR	linear	
LABLAXIS	CDF_CHAR	MR8	
UNITS	CDF_CHAR	-	
VAR_TYPE	CDF_CHAR	data	
CATDESC	CDF_CHAR	MR8, matrix rate element	8 for MR#
FILLVAL	CDF_INT4	-2147483647	
DISPLAY_TYPE	CDF_CHAR	time_series	
FORMAT	CDF_CHAR	I10	
DEPEND_0	CDF_CHAR	Epoch	
COLUMNS	CDF_CHAR	11-11	

(Back to chapter 9)

9.4.13 MR9, matrix rate element

Attribute Name	Data Type	Value	
FIELDNAM	CDF_CHAR	matrix rate element	9 for MR#
VALIDMIN	CDF_INT4	-2	
VALIDMAX	CDF_INT4	1000000	
SCALEMIN	CDF_INT4	-2	
SCALEMAX	CDF_INT4	1000000	
SCALETYP	CDF_CHAR	linear	
LABLAXIS	CDF_CHAR	MR9	
UNITS	CDF_CHAR	-	
VAR_TYPE	CDF_CHAR	data	
CATDESC	CDF_CHAR	MR9, matrix rate element	9 for MR#
FILLVAL	CDF_INT4	-2147483647	
DISPLAY_TYPE	CDF_CHAR	time_series	
FORMAT	CDF_CHAR	I10	
DEPEND_0	CDF_CHAR	Epoch	
COLUMNS	CDF_CHAR	12-12	

(Back to chapter 9)

9.4.14 MR10, matrix rate element 10 for MR#

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	matrix rate element 10 for MR#
VALIDMIN	CDF_INT4	-2
VALIDMAX	CDF_INT4	1000000
SCALEMIN	CDF_INT4	-2
SCALEMAX	CDF_INT4	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MR10
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MR10, matrix rate element 10 for MR#
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	13-13

(Back to chapter 9)

9.4.15 MR11, matrix rate element 11 for MR#

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	matrix rate element 11 for MR#
VALIDMIN	CDF_INT4	-2
VALIDMAX	CDF_INT4	1000000
SCALEMIN	CDF_INT4	-2
SCALEMAX	CDF_INT4	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MR11
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MR11, matrix rate element 11 for MR#
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	14-14

(Back to chapter 9)

9.4.16 MR12, matrix rate element 12 for MR#

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	matrix rate element 12 for MR#
VALIDMIN	CDF_INT4	-2
VALIDMAX	CDF_INT4	1000000
SCALEMIN	CDF_INT4	-2
SCALEMAX	CDF_INT4	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MR12
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MR12, matrix rate element 12 for MR#
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	15-15

(Back to chapter 9)

9.4.17 MR13, matrix rate element 13 for MR#

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	matrix rate element 13 for MR#
VALIDMIN	CDF_INT4	-2
VALIDMAX	CDF_INT4	1000000
SCALEMIN	CDF_INT4	-2
SCALEMAX	CDF_INT4	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MR13
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MR13, matrix rate element 13 for MR#
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	16-16

(Back to chapter 9)

9.4.18 MR14, matrix rate element 14 for MR#

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	matrix rate element 14 for MR#
VALIDMIN	CDF_INT4	-2
VALIDMAX	CDF_INT4	1000000
SCALEMIN	CDF_INT4	-2
SCALEMAX	CDF_INT4	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MR14
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MR14, matrix rate element 14 for MR#
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	17-17

(Back to chapter 9)

9.4.19 MR15, matrix rate element 15 for MR#

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	matrix rate element 15 for MR#
VALIDMIN	CDF_INT4	-2
VALIDMAX	CDF_INT4	1000000
SCALEMIN	CDF_INT4	-2
SCALEMAX	CDF_INT4	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MR15
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MR15, matrix rate element 15 for MR#
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	18-18

(Back to chapter 9)

9.4.20 MR16, matrix rate element 16 for MR#

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	matrix rate element 16 for MR#
VALIDMIN	CDF_INT4	-2
VALIDMAX	CDF_INT4	1000000
SCALEMIN	CDF_INT4	-2
SCALEMAX	CDF_INT4	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MR16
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MR16, matrix rate element 16 for MR#
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	19-19

(Back to chapter 9)

9.4.21 MR17, matrix rate element 17 for MR#

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	matrix rate element 17 for MR#
VALIDMIN	CDF_INT4	-2
VALIDMAX	CDF_INT4	1000000
SCALEMIN	CDF_INT4	-2
SCALEMAX	CDF_INT4	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MR17
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MR17, matrix rate element 17 for MR#
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	20-20

(Back to chapter 9)

9.4.22 MR18, matrix rate element 18 for MR#

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	matrix rate element 18 for MR#
VALIDMIN	CDF_INT4	-2
VALIDMAX	CDF_INT4	1000000
SCALEMIN	CDF_INT4	-2
SCALEMAX	CDF_INT4	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MR18
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MR18, matrix rate element 18 for MR#
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	21-21

(Back to chapter 9)

9.4.23 MR19, matrix rate element 19 for MR#

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	matrix rate element 19 for MR#
VALIDMIN	CDF_INT4	-2
VALIDMAX	CDF_INT4	1000000
SCALEMIN	CDF_INT4	-2
SCALEMAX	CDF_INT4	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MR19
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MR19, matrix rate element 19 for MR#
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	22-22

(Back to chapter 9)

9.4.24 MR20, matrix rate element 20 for MR#

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	matrix rate element 20 for MR#
VALIDMIN	CDF_INT4	-2
VALIDMAX	CDF_INT4	1000000
SCALEMIN	CDF_INT4	-2
SCALEMAX	CDF_INT4	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MR20
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MR20, matrix rate element 20 for MR#
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	23-23

(Back to chapter 9)

9.5 zVariables

No zVariables (Back to chapter 9)

9.6 end

!# server>	client terminated data transfer at 20000204.105941
!# server>	eof cw-2000-034.002.skt

(Back to chapter 9)

Chapter 10

CTOF MR LA V03

Contents

10.1 header 112
10.2 GLOBALattributes 112
10.3 VARIABLEattributes 113
10.4 variables 114
10.4.1 Epoch, Time TAI 114
10.4.2 MR#, spectrum matrix rate number 115
10.4.3 Vsw, Velocity of the solar wind 115
10.4.4 MR0, matrix rate element 0 for MR# 116
10.4.5 MR1, matrix rate element 1 116
10.4.6 MR2, matrix rate element 2 117
10.4.7 MR3, matrix rate element 117
10.4.8 MR4, matrix rate element 118
10.4.9 MR5, matrix rate element 118
10.4.10 MR6, matrix rate element 119
10.4.11 MR7, matrix rate element 119
10.4.12 MR8, matrix rate element 120
10.4.13 MR9, matrix rate element 120
10.4.14 MR10, matrix rate element 10 for MR# 121
10.4.15 MR11, matrix rate element 11 for MR# 121
10.4.16 MR12, matrix rate element 12 for MR# 122
10.4.17 MR13, matrix rate element 13 for MR# 122
10.4.18 MR14, matrix rate element 14 for MR# 123
10.4.19 MR15, matrix rate element 15 for MR# 123
10.4.20 MR16, matrix rate element 16 for MR# 124
10.4.21 MR17, matrix rate element 17 for MR# 124
10.4.22 MR18, matrix rate element 18 for MR# 125
10.4.23 MR19, matrix rate element 19 for MR# 125
10.4.24 MR20, matrix rate element 20 for MR# 126
10.5 zVariables 126
10.6 end 126

10.1 header

CDF NAME:	SO_CEL_CTOF_MR_LA_V02				
DATA ENCODING:	NETWORK				
MAJORITY:	COLUMN				
FORMAT:	SINGLE				
Variables	G.Attributes	V.Attributes	Records	Dims	Sizes
24/0	21	17	0/z	0	

(Back to chapter 10)

10.2 GLOBALattributes

TITLE	1:	CDF_CHAR	CTOF Matrix Rates
Project	1:	CDF_CHAR	ISTP>International Solar-Terrestrial Physics
Discipline	1:	CDF_CHAR	Solar Physics>Solar Wind
Source_name	1:	CDF_CHAR	SO>Solar Heliospheric Observatory (SOHO)
Descriptor	1:	CDF_CHAR	CEL>Charge, Element and Isotope Analysis System (C
	2:	CDF_CHAR	ELIAS)
Detector	1:	CDF_CHAR	CTOF>Charge Time Of Flight
Series_name	1:	CDF_CHAR	MR>Matrix Rates
Data_type	1:	CDF_CHAR	LA>Level ASCII
Logical_source	1:	CDF_CHAR	SO_CEL_CTOF_MR_LA
TEXT	1:	CDF_CHAR	A description of the CELIAS instrument and
	2:	CDF_CHAR	scientific scope can be found on WWW
	3:	CDF_CHAR	at https://www.ieap.uni-kiel.de/et/soho/celias/
	4:	CDF_CHAR	or on the SOHO homepage at
	5:	CDF_CHAR	http://sohowww.nascom.nasa.gov/.
	6:	CDF_CHAR	A written description of CELIAS
	7:	CDF_CHAR	will appear in the special issue of
	8:	CDF_CHAR	Solar Physics dedicated to SOHO.
Data_version	1:	CDF_CHAR	01
MODS	1:	CDF_CHAR	<cwrap!actual_date>
skeleton_version	1:	CDF_CHAR	01
software_version	1:	CDF_CHAR	<cwrap!cwrap_version>
ADID_ref	1:	CDF_CHAR	NSSD0195
PI_name	1:	CDF_CHAR	Robert F. Wimmer-Schweingruber
PI_affiliation	1:	CDF_CHAR	Institut fuer Experimentelle und Angewandte Physik,
	2:	CDF_CHAR	Christian Albrechts Universitaet Kiel,
	3:	CDF_CHAR	Leibnizstr 11,
	4:	CDF_CHAR	24118 Kiel, Germany
Mission_group	1:	CDF_CHAR	SOHO
Instrument_type	1:	CDF_CHAR	Particles (space)
TEXT_supplement	1:	CDF_CHAR	Energy spectrum matrix rates for CTOF
TEXT_FOR_UOB	1:	CDF_CHAR	Gruenwaldt and weygand

(Back to chapter 10)

10.3 VARIABLEattributes

FIELDNAM	
VALIDMIN	
VALIDMAX	
SCALETYP	
SCALEMIN	
SCALEMAX	
UNITS	
LABLAXIS	
FORMAT	
DEPEND_0	
!	DEPEND_1
!	DEPEND_2
!	DEPEND_3
!	DEPEND_4
!	DEPEND_5
MONOTON	
VAR_TYPE	
FILLVAL	
DISPLAY_TYPE	
CATDESC	
COLUMNS	
TIME_FORMAT	

(Back to chapter 10)

10.4 variables

Variable Name	Data Type	Number Elements	Record Variance	Dimension Variances
Epoch	CDF_EPOCH	1	T	
MR#	CDF_INT2	1	T	
Vsw	CDF_FLOAT	1	T	
MR0	CDF_INT4	1	T	
MR1	CDF_INT4	1	T	
MR2	CDF_INT4	1	T	
MR3	CDF_INT4	1	T	
MR4	CDF_INT4	1	T	
MR5	CDF_INT4	1	T	
MR6	CDF_INT4	1	T	
MR7	CDF_INT4	1	T	
MR8	CDF_INT4	1	T	
MR9	CDF_INT4	1	T	
MR10	CDF_INT4	1	T	
MR11	CDF_INT4	1	T	
MR12	CDF_INT4	1	T	
MR13	CDF_INT4	1	T	
MR14	CDF_INT4	1	T	
MR15	CDF_INT4	1	T	
MR16	CDF_INT4	1	T	
MR17	CDF_INT4	1	T	
MR18	CDF_INT4	1	T	
MR19	CDF_INT4	1	T	
MR20	CDF_INT4	1	T	

(Back to chapter 10)

10.4.1 Epoch, Time TAI

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Time TAI
VALIDMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
VALIDMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALEMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
SCALEMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Epoch
UNITS	CDF_CHAR	ms
VAR_TYPE	CDF_CHAR	support_data
CATDESC	CDF_CHAR	Epoch, Time TAI
FILLVAL	CDF_EPOCH	31-Dec-9999 23:59:59.999
DISPLAY_TYPE	CDF_CHAR	time_series
MONOTON	CDF_CHAR	INCREASE
TIME_FORMAT	CDF_CHAR	sec70base
COLUMNS	CDF_CHAR	0-0

(Back to chapter 10)

10.4.2 MR#, spectrum matrix rate number

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	spectrum matrix rate number
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	507
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	507
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MR#
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MR#, spectrum matrix rate number
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	1-1

(Back to chapter 10)

10.4.3 Vsw, Velocity of the solar wind

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Velocity of the solar wind
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	2000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	2000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Vsw
UNITS	CDF_CHAR	km/s
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	Vsw, Velocity of the solar wind
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	2-2

(Back to chapter 10)

10.4.4 MR0, matrix rate element 0 for MR#

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	matrix rate element 0 for MR#
VALIDMIN	CDF_INT4	-2
VALIDMAX	CDF_INT4	1000000
SCALEMIN	CDF_INT4	-2
SCALEMAX	CDF_INT4	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MR0
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MR0, matrix rate element 0 for MR#
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	3-3

(Back to chapter 10)

10.4.5 MR1, matrix rate element 1

Attribute Name	Data Type	Value	
FIELDNAM	CDF_CHAR	matrix rate element 1	for MR#
VALIDMIN	CDF_INT4	-2	
VALIDMAX	CDF_INT4	1000000	
SCALEMIN	CDF_INT4	-2	
SCALEMAX	CDF_INT4	1000000	
SCALETYP	CDF_CHAR	linear	
LABLAXIS	CDF_CHAR	MR1	
UNITS	CDF_CHAR	-	
VAR_TYPE	CDF_CHAR	data	
CATDESC	CDF_CHAR	MR1, matrix rate element 1	for MR#
FILLVAL	CDF_INT4	-2147483647	
DISPLAY_TYPE	CDF_CHAR	time_series	
FORMAT	CDF_CHAR	I10	
DEPEND_0	CDF_CHAR	Epoch	
COLUMNS	CDF_CHAR	4-4	

(Back to chapter 10)

10.4.6 MR2, matrix rate element 2

Attribute Name	Data Type	Value	
FIELDNAM	CDF_CHAR	matrix rate element 2	for MR#
VALIDMIN	CDF_INT4	-2	
VALIDMAX	CDF_INT4	1000000	
SCALEMIN	CDF_INT4	-2	
SCALEMAX	CDF_INT4	1000000	
SCALETYP	CDF_CHAR	linear	
LABLAXIS	CDF_CHAR	MR2	
UNITS	CDF_CHAR	-	
VAR_TYPE	CDF_CHAR	data	
CATDESC	CDF_CHAR	MR2, matrix rate element 2	for MR#
FILLVAL	CDF_INT4	-2147483647	
DISPLAY_TYPE	CDF_CHAR	time_series	
FORMAT	CDF_CHAR	I10	
DEPEND_0	CDF_CHAR	Epoch	
COLUMNS	CDF_CHAR	5-5	

(Back to chapter 10)

10.4.7 MR3, matrix rate element

Attribute Name	Data Type	Value	
FIELDNAM	CDF_CHAR	matrix rate element	3 for MR#
VALIDMIN	CDF_INT4	-2	
VALIDMAX	CDF_INT4	1000000	
SCALEMIN	CDF_INT4	-2	
SCALEMAX	CDF_INT4	1000000	
SCALETYP	CDF_CHAR	linear	
LABLAXIS	CDF_CHAR	MR3	
UNITS	CDF_CHAR	-	
VAR_TYPE	CDF_CHAR	data	
CATDESC	CDF_CHAR	MR3, matrix rate element	3 for MR#
FILLVAL	CDF_INT4	-2147483647	
DISPLAY_TYPE	CDF_CHAR	time_series	
FORMAT	CDF_CHAR	I10	
DEPEND_0	CDF_CHAR	Epoch	
COLUMNS	CDF_CHAR	6-6	

(Back to chapter 10)

10.4.8 MR4, matrix rate element

Attribute Name	Data Type	Value	
FIELDNAM	CDF_CHAR	matrix rate element	4 for MR#
VALIDMIN	CDF_INT4	-2	
VALIDMAX	CDF_INT4	1000000	
SCALEMIN	CDF_INT4	-2	
SCALEMAX	CDF_INT4	1000000	
SCALETYP	CDF_CHAR	linear	
LABLAXIS	CDF_CHAR	MR4	
UNITS	CDF_CHAR	-	
VAR_TYPE	CDF_CHAR	data	
CATDESC	CDF_CHAR	MR4, matrix rate element	4 for MR#
FILLVAL	CDF_INT4	-2147483647	
DISPLAY_TYPE	CDF_CHAR	time_series	
FORMAT	CDF_CHAR	I10	
DEPEND_0	CDF_CHAR	Epoch	
COLUMNS	CDF_CHAR	7-7	

(Back to chapter 10)

10.4.9 MR5, matrix rate element

Attribute Name	Data Type	Value	
FIELDNAM	CDF_CHAR	matrix rate element	5 for MR#
VALIDMIN	CDF_INT4	-2	
VALIDMAX	CDF_INT4	1000000	
SCALEMIN	CDF_INT4	-2	
SCALEMAX	CDF_INT4	1000000	
SCALETYP	CDF_CHAR	linear	
LABLAXIS	CDF_CHAR	MR5	
UNITS	CDF_CHAR	-	
VAR_TYPE	CDF_CHAR	data	
CATDESC	CDF_CHAR	MR5, matrix rate element	5 for MR#
FILLVAL	CDF_INT4	-2147483647	
DISPLAY_TYPE	CDF_CHAR	time_series	
FORMAT	CDF_CHAR	I10	
DEPEND_0	CDF_CHAR	Epoch	
COLUMNS	CDF_CHAR	8-8	

(Back to chapter 10)

10.4.10 MR6, matrix rate element

Attribute Name	Data Type	Value	
FIELDNAM	CDF_CHAR	matrix rate element	6 for MR#
VALIDMIN	CDF_INT4	-2	
VALIDMAX	CDF_INT4	1000000	
SCALEMIN	CDF_INT4	-2	
SCALEMAX	CDF_INT4	1000000	
SCALETYP	CDF_CHAR	linear	
LABLAXIS	CDF_CHAR	MR6	
UNITS	CDF_CHAR	-	
VAR_TYPE	CDF_CHAR	data	
CATDESC	CDF_CHAR	MR6, matrix rate element	6 for MR#
FILLVAL	CDF_INT4	-2147483647	
DISPLAY_TYPE	CDF_CHAR	time_series	
FORMAT	CDF_CHAR	I10	
DEPEND_0	CDF_CHAR	Epoch	
COLUMNS	CDF_CHAR	9-9	

(Back to chapter 10)

10.4.11 MR7, matrix rate element

Attribute Name	Data Type	Value	
FIELDNAM	CDF_CHAR	matrix rate element	7 for MR#
VALIDMIN	CDF_INT4	-2	
VALIDMAX	CDF_INT4	1000000	
SCALEMIN	CDF_INT4	-2	
SCALEMAX	CDF_INT4	1000000	
SCALETYP	CDF_CHAR	linear	
LABLAXIS	CDF_CHAR	MR7	
UNITS	CDF_CHAR	-	
VAR_TYPE	CDF_CHAR	data	
CATDESC	CDF_CHAR	MR7, matrix rate element	7 for MR#
FILLVAL	CDF_INT4	-2147483647	
DISPLAY_TYPE	CDF_CHAR	time_series	
FORMAT	CDF_CHAR	I10	
DEPEND_0	CDF_CHAR	Epoch	
COLUMNS	CDF_CHAR	10-10	

(Back to chapter 10)

10.4.12 MR8, matrix rate element

Attribute Name	Data Type	Value	
FIELDNAM	CDF_CHAR	matrix rate element	8 for MR#
VALIDMIN	CDF_INT4	-2	
VALIDMAX	CDF_INT4	1000000	
SCALEMIN	CDF_INT4	-2	
SCALEMAX	CDF_INT4	1000000	
SCALETYP	CDF_CHAR	linear	
LABLAXIS	CDF_CHAR	MR8	
UNITS	CDF_CHAR	-	
VAR_TYPE	CDF_CHAR	data	
CATDESC	CDF_CHAR	MR8, matrix rate element	8 for MR#
FILLVAL	CDF_INT4	-2147483647	
DISPLAY_TYPE	CDF_CHAR	time_series	
FORMAT	CDF_CHAR	I10	
DEPEND_0	CDF_CHAR	Epoch	
COLUMNS	CDF_CHAR	11-11	

(Back to chapter 10)

10.4.13 MR9, matrix rate element

Attribute Name	Data Type	Value	
FIELDNAM	CDF_CHAR	matrix rate element	9 for MR#
VALIDMIN	CDF_INT4	-2	
VALIDMAX	CDF_INT4	1000000	
SCALEMIN	CDF_INT4	-2	
SCALEMAX	CDF_INT4	1000000	
SCALETYP	CDF_CHAR	linear	
LABLAXIS	CDF_CHAR	MR9	
UNITS	CDF_CHAR	-	
VAR_TYPE	CDF_CHAR	data	
CATDESC	CDF_CHAR	MR9, matrix rate element	9 for MR#
FILLVAL	CDF_INT4	-2147483647	
DISPLAY_TYPE	CDF_CHAR	time_series	
FORMAT	CDF_CHAR	I10	
DEPEND_0	CDF_CHAR	Epoch	
COLUMNS	CDF_CHAR	12-12	

(Back to chapter 10)

10.4.14 MR10, matrix rate element 10 for MR#

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	matrix rate element 10 for MR#
VALIDMIN	CDF_INT4	-2
VALIDMAX	CDF_INT4	1000000
SCALEMIN	CDF_INT4	-2
SCALEMAX	CDF_INT4	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MR10
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MR10, matrix rate element 10 for MR#
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	13-13

(Back to chapter 10)

10.4.15 MR11, matrix rate element 11 for MR#

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	matrix rate element 11 for MR#
VALIDMIN	CDF_INT4	-2
VALIDMAX	CDF_INT4	1000000
SCALEMIN	CDF_INT4	-2
SCALEMAX	CDF_INT4	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MR11
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MR11, matrix rate element 11 for MR#
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	14-14

(Back to chapter 10)

10.4.16 MR12, matrix rate element 12 for MR#

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	matrix rate element 12 for MR#
VALIDMIN	CDF_INT4	-2
VALIDMAX	CDF_INT4	1000000
SCALEMIN	CDF_INT4	-2
SCALEMAX	CDF_INT4	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MR12
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MR12, matrix rate element 12 for MR#
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	15-15

(Back to chapter 10)

10.4.17 MR13, matrix rate element 13 for MR#

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	matrix rate element 13 for MR#
VALIDMIN	CDF_INT4	-2
VALIDMAX	CDF_INT4	1000000
SCALEMIN	CDF_INT4	-2
SCALEMAX	CDF_INT4	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MR13
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MR13, matrix rate element 13 for MR#
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	16-16

(Back to chapter 10)

10.4.18 MR14, matrix rate element 14 for MR#

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	matrix rate element 14 for MR#
VALIDMIN	CDF_INT4	-2
VALIDMAX	CDF_INT4	1000000
SCALEMIN	CDF_INT4	-2
SCALEMAX	CDF_INT4	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MR14
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MR14, matrix rate element 14 for MR#
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	17-17

(Back to chapter 10)

10.4.19 MR15, matrix rate element 15 for MR#

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	matrix rate element 15 for MR#
VALIDMIN	CDF_INT4	-2
VALIDMAX	CDF_INT4	1000000
SCALEMIN	CDF_INT4	-2
SCALEMAX	CDF_INT4	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MR15
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MR15, matrix rate element 15 for MR#
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	18-18

(Back to chapter 10)

10.4.20 MR16, matrix rate element 16 for MR#

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	matrix rate element 16 for MR#
VALIDMIN	CDF_INT4	-2
VALIDMAX	CDF_INT4	1000000
SCALEMIN	CDF_INT4	-2
SCALEMAX	CDF_INT4	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MR16
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MR16, matrix rate element 16 for MR#
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	19-19

(Back to chapter 10)

10.4.21 MR17, matrix rate element 17 for MR#

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	matrix rate element 17 for MR#
VALIDMIN	CDF_INT4	-2
VALIDMAX	CDF_INT4	1000000
SCALEMIN	CDF_INT4	-2
SCALEMAX	CDF_INT4	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MR17
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MR17, matrix rate element 17 for MR#
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	20-20

(Back to chapter 10)

10.4.22 MR18, matrix rate element 18 for MR#

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	matrix rate element 18 for MR#
VALIDMIN	CDF_INT4	-2
VALIDMAX	CDF_INT4	1000000
SCALEMIN	CDF_INT4	-2
SCALEMAX	CDF_INT4	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MR18
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MR18, matrix rate element 18 for MR#
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	21-21

(Back to chapter 10)

10.4.23 MR19, matrix rate element 19 for MR#

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	matrix rate element 19 for MR#
VALIDMIN	CDF_INT4	-2
VALIDMAX	CDF_INT4	1000000
SCALEMIN	CDF_INT4	-2
SCALEMAX	CDF_INT4	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MR19
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MR19, matrix rate element 19 for MR#
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	22-22

(Back to chapter 10)

10.4.24 MR20, matrix rate element 20 for MR#

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	matrix rate element 20 for MR#
VALIDMIN	CDF_INT4	-2
VALIDMAX	CDF_INT4	1000000
SCALEMIN	CDF_INT4	-2
SCALEMAX	CDF_INT4	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MR20
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MR20, matrix rate element 20 for MR#
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	23-23

(Back to chapter 10)

10.5 zVariables

No zVariables (Back to chapter 10)

10.6 end

!# server>	client terminated data transfer at 20000204.105941
!# server>	eof cw-2000-034.002.skt

(Back to chapter 10)

Chapter 11

CTOF ODENSITIES L1 V01

Contents

11.1 header 127

11.2 GLOBALattributes 128

11.3 VARIABLEattributes 129

11.4 variables 129

11.4.1 Epoch, Time TAI 130

11.4.2 O6p, Density of O 6+ 130

11.4.3 O7p, Density of O 7+ 131

11.4.4 Otot, Density of O 131

11.5 zVariables 131

11.6 end 131

11.1 header

CDF NAME:	SO_CEL_CTOF_ODENSITIES_L1_V01				
DATA ENCODING:	NETWORK				
MAJORITY:	COLUMN				
FORMAT:	SINGLE				
Variables	G.Attributes	V.Attributes	Records	Dims	Sizes
4/0	21	17	0/z	0	

(Back to chapter 11)

11.2 GLOBALattributes

TITLE	1:	CDF_CHAR	Oxygen Ion Densities
Project	1:	CDF_CHAR	ISTP>International Solar-Terrestrial Physics
Discipline	1:	CDF_CHAR	Solar Physics>Solar Wind
Source_name	1:	CDF_CHAR	SO>Solar Heliospheric Observatory (SOHO)
Descriptor	1:	CDF_CHAR	CEL>Charge, Element and Isotope Analysis System (C
	2:	CDF_CHAR	ELIAS)
Detector	1:	CDF_CHAR	CTOF>Charge Time Of Flight
Series_name	1:	CDF_CHAR	ODENSITIES>O Densities
Data_type	1:	CDF_CHAR	L1>Level 1 Science Data
Logical_source	1:	CDF_CHAR	SO_CEL_CTOF_ODENSITIES_L1
TEXT	1:	CDF_CHAR	A description of the CELIAS instrument and
	2:	CDF_CHAR	scientific scope can be found on WWW
	3:	CDF_CHAR	at http://ubecx.unibe.ch/phim/soho/
	4:	CDF_CHAR	or on the SOHO homepage at
	5:	CDF_CHAR	http://sohowww.nascom.nasa.gov/.
	6:	CDF_CHAR	A written description of CELIAS
	7:	CDF_CHAR	will appear in the special issue of
	8:	CDF_CHAR	Solar Physics dedicated to SOHO.
Data_version	1:	CDF_CHAR	01
MODS	1:	CDF_CHAR	<cwrap!actual_date>
skeleton_version	1:	CDF_CHAR	01
software_version	1:	CDF_CHAR	<cwrap!cwrap_version>
ADID_ref	1:	CDF_CHAR	NSSD0195
PI_name	1:	CDF_CHAR	Peter Bochsler
PI_affiliation	1:	CDF_CHAR	Physikalisches Institut,
	2:	CDF_CHAR	Universitaet Bern,
	3:	CDF_CHAR	Sidlerstrasse 5,
	4:	CDF_CHAR	3012 Bern, Switzerland
Mission_group	1:	CDF_CHAR	SOHO
Instrument_type	1:	CDF_CHAR	Particles (space)
TEXT_supplement	1:	CDF_CHAR	Oxygen Densities
TEXT_FOR_UOB	1:	CDF_CHAR	thom buchmueller (from pw)

(Back to chapter 11)

11.3 VARIABLEattributes

FIELDNAM	
VALIDMIN	
VALIDMAX	
SCALETYP	
SCALEMIN	
SCALEMAX	
UNITS	
LABLAXIS	
FORMAT	
DEPEND_0	
!	DEPEND_1
!	DEPEND_2
!	DEPEND_3
!	DEPEND_4
!	DEPEND_5
MONOTON	
VAR_TYPE	
FILLVAL	
DISPLAY_TYPE	
CATDESC	
COLUMNS	
TIME_FORMAT	

(Back to chapter 11)

11.4 variables

Variable Name	Data Type	Number Elements	Record Variance	Dimension Variances
Epoch	CDF_EPOCH	1	T	
O6p	CDF_FLOAT	1	T	
O7p	CDF_FLOAT	1	T	
Otot	CDF_FLOAT	1	T	

(Back to chapter 11)

11.4.1 Epoch, Time TAI

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Time TAI
VALIDMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
VALIDMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALEMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
SCALEMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Epoch
UNITS	CDF_CHAR	ms
VAR_TYPE	CDF_CHAR	support_data
CATDESC	CDF_CHAR	Epoch, Time TAI
FILLVAL	CDF_EPOCH	31-Dec-9999 23:59:59.999
DISPLAY_TYPE	CDF_CHAR	time_series
MONOTON	CDF_CHAR	INCREASE
TIME_FORMAT	CDF_CHAR	sec70base
COLUMNS	CDF_CHAR	0-0

(Back to chapter 11)

11.4.2 O6p, Density of O 6+

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Density of O 6+
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	9999
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	5000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	O6p
UNITS	CDF_CHAR	m^-3
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	O6p, Density of O 6+
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	1-1

(Back to chapter 11)

11.4.3 O7p, Density of O 7+

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Density of O 7+
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	9999
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	5000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	O7p
UNITS	CDF_CHAR	m^-3
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	O7p, Density of O 7+
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	2-2

(Back to chapter 11)

11.4.4 Otot, Density of O

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Density of O
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	9999
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	5000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Otot
UNITS	CDF_CHAR	m^-3
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	Otot, Density of O
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	3-3

(Back to chapter 11)

11.5 zVariables

No zVariables (Back to chapter 11)

11.6 end

!# server>	client terminated data transfer at 20000527.124539
!# server>	eof cw-2000-147.000.skt

(Back to chapter 11)

Chapter 12

CTOF PHA L0 V03

Contents

12.1 header 133

12.2 GLOBALattributes 134

12.3 VARIABLEattributes 135

12.4 variables 135

12.4.1 Epoch, Time TAI 136

12.4.2 Range, pre defined range field 136

12.4.3 Step, Step number within EDB 137

12.4.4 Energy, Measured energy from SSD 137

12.4.5 TOF, Measured time of flight 138

12.4.6 EoqSt, Programmed (or cycling) E over q step 138

12.4.7 unused, unused 139

12.5 zVariables 139

12.6 end 139

12.1 header

CDF NAME:	SO_CEL_CTOF_PHA_L0_V03				
DATA ENCODING:	NETWORK				
MAJORITY:	COLUMN				
FORMAT:	SINGLE				
Variables	G.Attributes	V.Attributes	Records	Dims	Sizes
7/0	21	17	0/z	0	

(Back to chapter 12)

12.2 GLOBALattributes

TITLE	1:	CDF_CHAR	CTOF PHA
Project	1:	CDF_CHAR	ISTP>International Solar-Terrestrial Physics
Discipline	1:	CDF_CHAR	Solar Physics>Solar Wind
Source_name	1:	CDF_CHAR	SO>Solar Heliospheric Observatory (SOHO)
Descriptor	1:	CDF_CHAR	CEL>Charge, Element and Isotope Analysis System (C
	2:	CDF_CHAR	ELIAS)
Detector	1:	CDF_CHAR	CTOF>Charge Time Of Flight
Series_name	1:	CDF_CHAR	PHA>Pulse Height Analyzer
Data_type	1:	CDF_CHAR	L0>Level 0
Logical_source	1:	CDF_CHAR	SO_CEL_CTOF_PHA_L0
TEXT	1:	CDF_CHAR	A description of the CELIAS instrument and
	2:	CDF_CHAR	scientific scope can be found on WWW
	3:	CDF_CHAR	at https://www.ieap.uni-kiel.de/et/soho/celias/
	4:	CDF_CHAR	or on the SOHO homepage at
	5:	CDF_CHAR	http://sohowww.nascom.nasa.gov/.
	6:	CDF_CHAR	A written description of CELIAS
	7:	CDF_CHAR	will appear in the special issue of
	8:	CDF_CHAR	Solar Physics dedicated to SOHO.
Data_version	1:	CDF_CHAR	01
MODS	1:	CDF_CHAR	<cwrap!actual_date>
skeleton_version	1:	CDF_CHAR	01
software_version	1:	CDF_CHAR	<cwrap!cwrap_version>
ADID_ref	1:	CDF_CHAR	NSSD0195
PI_name	1:	CDF_CHAR	Robert F. Wimmer-Schweingruber
PI_affiliation	1:	CDF_CHAR	Institut fuer Experimentelle und Angewandte Physik,
	2:	CDF_CHAR	Christian Albrechts Universitaet Kiel,
	3:	CDF_CHAR	Leibnizstr 11,
	4:	CDF_CHAR	24118 Kiel, Germany
Mission_group	1:	CDF_CHAR	SOHO
Instrument_type	1:	CDF_CHAR	Particles (space)
TEXT_supplement	1:	CDF_CHAR	CTOF pulse height analysis data
TEXT_FOR_UOB	1:	CDF_CHAR	Gruenwaldt and weygand

(Back to chapter 12)

12.3 VARIABLEattributes

FIELDNAM	
VALIDMIN	
VALIDMAX	
SCALETYP	
SCALEMIN	
SCALEMAX	
UNITS	
LABLAXIS	
FORMAT	
DEPEND_0	
!	DEPEND_1
!	DEPEND_2
!	DEPEND_3
!	DEPEND_4
!	DEPEND_5
MONOTON	
VAR_TYPE	
FILLVAL	
DISPLAY_TYPE	
CATDESC	
COLUMNS	
TIME_FORMAT	

(Back to chapter 12)

12.4 variables

Variable Name	Data Type	Number Elements	Record Variance	Dimension Variances
Epoch	CDF_EPOCH	1	T	
Range	CDF_UINT1	1	T	
Step	CDF_UINT1	1	T	
Energy	CDF_INT2	1	T	
TOF	CDF_INT2	1	T	
EoqSt	CDF_INT2	1	T	
unused	CDF_INT2	1	T	

(Back to chapter 12)

12.4.1 Epoch, Time TAI

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Time TAI
VALIDMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
VALIDMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALEMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
SCALEMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Epoch
UNITS	CDF_CHAR	ms
VAR_TYPE	CDF_CHAR	support_data
CATDESC	CDF_CHAR	Epoch, Time TAI
FILLVAL	CDF_EPOCH	31-Dec-9999 23:59:59.999
DISPLAY_TYPE	CDF_CHAR	time_series
MONOTON	CDF_CHAR	INCREASE
TIME_FORMAT	CDF_CHAR	sec70base
COLUMNS	CDF_CHAR	0-0

(Back to chapter 12)

12.4.2 Range, pre defined range field

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	pre defined range field
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	7
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	7
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Range
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	Range, pre defined range field
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	1-1

(Back to chapter 12)

12.4.3 Step, Step number within EDB

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Step number within EDB
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	5
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	5
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Step
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	Step, Step number within EDB
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	2-2

(Back to chapter 12)

12.4.4 Energy, Measured energy from SSD

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Measured energy from SSD
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	255
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	255
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Energy
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	Energy, Measured energy from SSD
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	3-3

(Back to chapter 12)

12.4.5 TOF, Measured time of flight

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Measured time of flight
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	1023
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	1023
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	TOF
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	TOF, Measured time of flight
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	4-4

(Back to chapter 12)

12.4.6 EoqSt, Programmed (or cycling) E over q step

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Programmed (or cycling) E over q step
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	116
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	116
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	EoqSt
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	EoqSt, Programmed (or cycling) E over q step
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	5-5

(Back to chapter 12)

12.4.7 unused, unused

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	unused
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	255
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	255
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	unused
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	unused, unused
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	6-6

(Back to chapter 12)

12.5 zVariables

No zVariables (Back to chapter 12)

12.6 end

!# server>	client terminated data transfer at 20000204.111130
!# server>	eof cw-2000-034.003.skt

(Back to chapter 12)

Chapter 13

CTOF PHA LA V03

Contents

13.1 header 141

13.2 GLOBALattributes 142

13.3 VARIABLEattributes 143

13.4 variables 143

13.4.1 Epoch, Time TAI 144

13.4.2 Range, pre defined range field 144

13.4.3 Step, Step number within EDB 145

13.4.4 Energy, Measured energy from SSD 145

13.4.5 TOF, Measured time of flight 146

13.4.6 EoqSt, Programmed (or cycling) E over q step 146

13.4.7 unused, unused 147

13.5 zVariables 147

13.6 end 147

13.1 header

CDF NAME:	SO_CEL_CTOF_PHA_LA_V02				
DATA ENCODING:	NETWORK				
MAJORITY:	COLUMN				
FORMAT:	SINGLE				
Variables	G.Attributes	V.Attributes	Records	Dims	Sizes
7/0	21	17	0/z	0	

(Back to chapter 13)

13.2 GLOBALattributes

TITLE	1:	CDF_CHAR	CTOF PHA
Project	1:	CDF_CHAR	ISTP>International Solar-Terrestrial Physics
Discipline	1:	CDF_CHAR	Solar Physics>Solar Wind
Source_name	1:	CDF_CHAR	SO>Solar Heliospheric Observatory (SOHO)
Descriptor	1:	CDF_CHAR	CEL>Charge, Element and Isotope Analysis System (C
	2:	CDF_CHAR	ELIAS)
Detector	1:	CDF_CHAR	CTOF>Charge Time Of Flight
Series_name	1:	CDF_CHAR	PHA>Pulse Height Analyzer
Data_type	1:	CDF_CHAR	LA>Level ASCII
Logical_source	1:	CDF_CHAR	SO_CEL_CTOF_PHA_LA
TEXT	1:	CDF_CHAR	A description of the CELIAS instrument and
	2:	CDF_CHAR	scientific scope can be found on WWW
	3:	CDF_CHAR	at https://www.ieap.uni-kiel.de/et/soho/celias/
	4:	CDF_CHAR	or on the SOHO homepage at
	5:	CDF_CHAR	http://sohowww.nascom.nasa.gov/.
	6:	CDF_CHAR	A written description of CELIAS
	7:	CDF_CHAR	will appear in the special issue of
	8:	CDF_CHAR	Solar Physics dedicated to SOHO.
Data_version	1:	CDF_CHAR	01
MODS	1:	CDF_CHAR	<cwrap!actual_date>
skeleton_version	1:	CDF_CHAR	01
software_version	1:	CDF_CHAR	<cwrap!cwrap_version>
ADID_ref	1:	CDF_CHAR	NSSD0195
PI_name	1:	CDF_CHAR	Robert F. Wimmer-Schweingruber
PI_affiliation	1:	CDF_CHAR	Institut fuer Experimentelle und Angewandte Physik,
	2:	CDF_CHAR	Christian Albrechts Universitaet Kiel,
	3:	CDF_CHAR	Leibnizstr 11,
	4:	CDF_CHAR	24118 Kiel, Germany
Mission_group	1:	CDF_CHAR	SOHO
Instrument_type	1:	CDF_CHAR	Particles (space)
TEXT_supplement	1:	CDF_CHAR	CTOF pulse height analysis data
TEXT_FOR_UOB	1:	CDF_CHAR	Gruenwaldt and weygand

(Back to chapter 13)

13.3 VARIABLEattributes

FIELDNAM	
VALIDMIN	
VALIDMAX	
SCALETYP	
SCALEMIN	
SCALEMAX	
UNITS	
LABLAXIS	
FORMAT	
DEPEND_0	
!	DEPEND_1
!	DEPEND_2
!	DEPEND_3
!	DEPEND_4
!	DEPEND_5
MONOTON	
VAR_TYPE	
FILLVAL	
DISPLAY_TYPE	
CATDESC	
COLUMNS	
TIME_FORMAT	

(Back to chapter 13)

13.4 variables

Variable Name	Data Type	Number Elements	Record Variance	Dimension Variances
Epoch	CDF_EPOCH	1	T	
Range	CDF_UINT1	1	T	
Step	CDF_UINT1	1	T	
Energy	CDF_INT2	1	T	
TOF	CDF_INT2	1	T	
EoqSt	CDF_INT2	1	T	
unused	CDF_INT2	1	T	

(Back to chapter 13)

13.4.1 Epoch, Time TAI

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Time TAI
VALIDMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
VALIDMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALEMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
SCALEMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Epoch
UNITS	CDF_CHAR	ms
VAR_TYPE	CDF_CHAR	support_data
CATDESC	CDF_CHAR	Epoch, Time TAI
FILLVAL	CDF_EPOCH	31-Dec-9999 23:59:59.999
DISPLAY_TYPE	CDF_CHAR	time_series
MONOTON	CDF_CHAR	INCREASE
TIME_FORMAT	CDF_CHAR	sec70base
COLUMNS	CDF_CHAR	0-0

(Back to chapter 13)

13.4.2 Range, pre defined range field

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	pre defined range field
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	7
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	7
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Range
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	Range, pre defined range field
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	1-1

(Back to chapter 13)

13.4.3 Step, Step number within EDB

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Step number within EDB
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	5
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	5
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Step
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	Step, Step number within EDB
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	2-2

(Back to chapter 13)

13.4.4 Energy, Measured energy from SSD

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Measured energy from SSD
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	255
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	255
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Energy
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	Energy, Measured energy from SSD
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	3-3

(Back to chapter 13)

13.4.5 TOF, Measured time of flight

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Measured time of flight
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	1023
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	1023
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	TOF
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	TOF, Measured time of flight
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	4-4

(Back to chapter 13)

13.4.6 EoqSt, Programmed (or cycling) E over q step

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Programmed (or cycling) E over q step
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	116
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	116
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	EoqSt
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	EoqSt, Programmed (or cycling) E over q step
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	5-5

(Back to chapter 13)

13.4.7 unused, unused

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	unused
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	255
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	255
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	unused
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	unused, unused
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	6-6

(Back to chapter 13)

13.5 zVariables

No zVariables (Back to chapter 13)

13.6 end

!# server>	client terminated data transfer at 20000204.111130
!# server>	eof cw-2000-034.003.skt

(Back to chapter 13)

Chapter 14

CTOF RATES L0 V03

Contents

14.1 header 149

14.2 GLOBALattributes 150

14.3 VARIABLEattributes 151

14.4 variables 151

14.4.1 Epoch, Time TAI 152

14.4.2 Step, programmed E over q step 152

14.4.3 VVPS, measured VVPS voltage (raw) 153

14.4.4 Halt, rate dependent trigger mode (nominal...halt) 153

14.4.5 Speed, Solar wind speed 154

14.4.6 FSR, Start rate 154

14.4.7 DCR, Double Coincident rate 155

14.4.8 TCR, Triple Coincident rate 155

14.4.9 SSR, Solid state detector rate 156

14.4.10 HpR, Proton rate (H is typo) 156

14.4.11 HeR, Helium rate 157

14.5 zVariables 157

14.6 end 157

14.1 header

CDF NAME:	SO_CEL_CTOF_RATES_L0_V03				
DATA ENCODING:	NETWORK				
MAJORITY:	COLUMN				
FORMAT:	SINGLE				
Variables	G.Attributes	V.Attributes	Records	Dims	Sizes
11/0	21	17	0/z	0	

(Back to chapter 14)

14.2 GLOBALattributes

TITLE	1:	CDF_CHAR	CTOF rates
Project	1:	CDF_CHAR	ISTP>International Solar-Terrestrial Physics
Discipline	1:	CDF_CHAR	Solar Physics>Solar Wind
Source_name	1:	CDF_CHAR	SO>Solar Heliospheric Observatory (SOHO)
Descriptor	1:	CDF_CHAR	CEL>Charge, Element and Isotope Analysis System (C
	2:	CDF_CHAR	ELIAS)
Detector	1:	CDF_CHAR	CTOF>Charge Time Of Flight
Series_name	1:	CDF_CHAR	RATES>Rates
Data_type	1:	CDF_CHAR	L0>Level 0
Logical_source	1:	CDF_CHAR	SO_CEL_CTOF_RATES_L0
TEXT	1:	CDF_CHAR	A description of the CELIAS instrument and
	2:	CDF_CHAR	scientific scope can be found on WWW
	3:	CDF_CHAR	at https://www.ieap.uni-kiel.de/et/soho/celias/
	4:	CDF_CHAR	or on the SOHO homepage at
	5:	CDF_CHAR	http://sohowww.nascom.nasa.gov/.
	6:	CDF_CHAR	A written description of CELIAS
	7:	CDF_CHAR	will appear in the special issue of
	8:	CDF_CHAR	Solar Physics dedicated to SOHO.
Data_version	1:	CDF_CHAR	01
MODS	1:	CDF_CHAR	<cwrap!actual_date>
skeleton_version	1:	CDF_CHAR	01
software_version	1:	CDF_CHAR	<cwrap!cwrap_version>
ADID_ref	1:	CDF_CHAR	NSSD0195
PI_name	1:	CDF_CHAR	Robert F. Wimmer-Schweingruber
PI_affiliation	1:	CDF_CHAR	Institut fuer Experimentelle und Angewandte Physik,
	2:	CDF_CHAR	Christian Albrechts Universitaet Kiel,
	3:	CDF_CHAR	Leibnizstr 11,
	4:	CDF_CHAR	24118 Kiel, Germany
Mission_group	1:	CDF_CHAR	SOHO
Instrument_type	1:	CDF_CHAR	Particles (space)
TEXT_supplement	1:	CDF_CHAR	Total rates
TEXT_FOR_UOB	1:	CDF_CHAR	Gruenwaldt and weygand

(Back to chapter 14)

14.3 VARIABLEattributes

FIELDNAM	
VALIDMIN	
VALIDMAX	
SCALETYP	
SCALEMIN	
SCALEMAX	
UNITS	
LABLAXIS	
FORMAT	
DEPEND_0	
!	DEPEND_1
!	DEPEND_2
!	DEPEND_3
!	DEPEND_4
!	DEPEND_5
MONOTON	
VAR_TYPE	
FILLVAL	
DISPLAY_TYPE	
CATDESC	
COLUMNS	
TIME_FORMAT	

(Back to chapter 14)

14.4 variables

Variable Name	Data Type	Number Elements	Record Variance	Dimension Variances
Epoch	CDF_EPOCH	1	T	
Step	CDF_UINT1	1	T	
VVPS	CDF_INT2	1	T	
Halt	CDF_UINT1	1	T	
Speed	CDF_FLOAT 1	T		
FSR	CDF_FLOAT	1	T	
DCR	CDF_FLOAT	1	T	
TCR	CDF_FLOAT	1	T	
SSR	CDF_FLOAT	1	T	
HpR	CDF_FLOAT	1	T	
HeR	CDF_FLOAT	1	T	

(Back to chapter 14)

14.4.1 Epoch, Time TAI

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Time TAI
VALIDMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
VALIDMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALEMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
SCALEMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Epoch
UNITS	CDF_CHAR	ms
VAR_TYPE	CDF_CHAR	support_data
CATDESC	CDF_CHAR	Epoch, Time TAI
FILLVAL	CDF_EPOCH	31-Dec-9999 23:59:59.999
DISPLAY_TYPE	CDF_CHAR	time_series
MONOTON	CDF_CHAR	INCREASE
TIME_FORMAT	CDF_CHAR	sec70base
COLUMNS	CDF_CHAR	0-0

(Back to chapter 14)

14.4.2 Step, programmed E over q step

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	programmed E over q step
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	119
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	119
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Step
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	Step, programmed E over q step
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	1-1

(Back to chapter 14)

14.4.3 VVPS, measured VVPS voltage (raw)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	measured VVPS voltage (raw)
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	255
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	255
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	VVPS
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	VVPS, measured VVPS voltage (raw)
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	2-2

(Back to chapter 14)

14.4.4 Halt, rate dependent trigger mode (nominal...halt)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	rate dependent trigger mode (nominal...halt)
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	3
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	3
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Halt
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	Halt, rate dependent trigger mode (nominal...halt)
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	3-3

(Back to chapter 14)

14.4.5 Speed, Solar wind speed

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Solar wind speed
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	2000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	2000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Speed
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	Speed, Solar wind speed
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	4-4

(Back to chapter 14)

14.4.6 FSR, Start rate

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Start rate
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	FSR
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	FSR, Start rate
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	5-5

(Back to chapter 14)

14.4.7 DCR, Double Coincident rate

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Double Coincident rate
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	DCR
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	DCR, Double Coincident rate
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	6-6

(Back to chapter 14)

14.4.8 TCR, Triple Coincident rate

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Triple Coincident rate
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	TCR
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	TCR, Triple Coincident rate
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	7-7

(Back to chapter 14)

14.4.9 SSR, Solid state detector rate

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Solid state detector rate
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SSR
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SSR, Solid state detector rate
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	8-8

(Back to chapter 14)

14.4.10 HpR, Proton rate (H is typo)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Proton rate (H is typo)
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	HpR
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	HpR, Proton rate (H is typo)
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	9-9

(Back to chapter 14)

14.4.11 HeR, Helium rate

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Helium rate
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	HeR
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	HeR, Helium rate
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	10-10

(Back to chapter 14)

14.5 zVariables

No zVariables (Back to chapter 14)

14.6 end

!# server>	client terminated data transfer at 20000204.112807
!# server>	eof cw-2000-034.004.skt

(Back to chapter 14)

Chapter 15

CTOF RATES LA V03

Contents

15.1 header 159

15.2 GLOBALattributes 160

15.3 VARIABLEattributes 161

15.4 variables 161

15.4.1 Epoch, Time TAI 162

15.4.2 Step, programmed E over q step 162

15.4.3 VVPS, measured VVPS voltage (raw) 163

15.4.4 Halt, rate dependent trigger mode (nominal...halt) 163

15.4.5 Speed, Solar wind speed 164

15.4.6 FSR, Start rate 164

15.4.7 DCR, Double Coincident rate 165

15.4.8 TCR, Triple Coincident rate 165

15.4.9 SSR, Solid state detector rate 166

15.4.10 HpR, Proton rate (H is typo) 166

15.4.11 HeR, Helium rate 167

15.5 zVariables 167

15.6 end 167

15.1 header

CDF NAME:	SO_CEL_CTOF_RATES_LA_V02				
DATA ENCODING:	NETWORK				
MAJORITY:	COLUMN				
FORMAT:	SINGLE				
Variables	G.Attributes	V.Attributes	Records	Dims	Sizes
11/0	21	17	0/z	0	

(Back to chapter 15)

15.2 GLOBALattributes

TITLE	1:	CDF_CHAR	CTOF rates
Project	1:	CDF_CHAR	ISTP>International Solar-Terrestrial Physics
Discipline	1:	CDF_CHAR	Solar Physics>Solar Wind
Source_name	1:	CDF_CHAR	SO>Solar Heliospheric Observatory (SOHO)
Descriptor	1:	CDF_CHAR	CEL>Charge, Element and Isotope Analysis System (C
	2:	CDF_CHAR	ELIAS)
Detector	1:	CDF_CHAR	CTOF>Charge Time Of Flight
Series_name	1:	CDF_CHAR	RATES>Rates
Data_type	1:	CDF_CHAR	LA>Level ASCII
Logical_source	1:	CDF_CHAR	SO_CEL_CTOF_RATES_LA
TEXT	1:	CDF_CHAR	A description of the CELIAS instrument and
	2:	CDF_CHAR	scientific scope can be found on WWW
	3:	CDF_CHAR	at https://www.ieap.uni-kiel.de/et/soho/celias/
	4:	CDF_CHAR	or on the SOHO homepage at
	5:	CDF_CHAR	http://sohowww.nascom.nasa.gov/.
	6:	CDF_CHAR	A written description of CELIAS
	7:	CDF_CHAR	will appear in the special issue of
	8:	CDF_CHAR	Solar Physics dedicated to SOHO.
Data_version	1:	CDF_CHAR	01
MODS	1:	CDF_CHAR	<cwrap!actual_date>
skeleton_version	1:	CDF_CHAR	01
software_version	1:	CDF_CHAR	<cwrap!cwrap_version>
ADID_ref	1:	CDF_CHAR	NSSD0195
PI_name	1:	CDF_CHAR	Robert F. Wimmer-Schweingruber
PI_affiliation	1:	CDF_CHAR	Institut fuer Experimentelle und Angewandte Physik,
	2:	CDF_CHAR	Christian Albrechts Universitaet Kiel,
	3:	CDF_CHAR	Leibnizstr 11,
	4:	CDF_CHAR	24118 Kiel, Germany
Mission_group	1:	CDF_CHAR	SOHO
Instrument_type	1:	CDF_CHAR	Particles (space)
TEXT_supplement	1:	CDF_CHAR	Total rates
TEXT_FOR_UOB	1:	CDF_CHAR	Gruenwaldt and weygand

(Back to chapter 15)

15.3 VARIABLEattributes

FIELDNAM	
VALIDMIN	
VALIDMAX	
SCALETYP	
SCALEMIN	
SCALEMAX	
UNITS	
LABLAXIS	
FORMAT	
DEPEND_0	
!	DEPEND_1
!	DEPEND_2
!	DEPEND_3
!	DEPEND_4
!	DEPEND_5
MONOTON	
VAR_TYPE	
FILLVAL	
DISPLAY_TYPE	
CATDESC	
COLUMNS	
TIME_FORMAT	

(Back to chapter 15)

15.4 variables

Variable Name	Data Type	Number Elements	Record Variance	Dimension Variances
Epoch	CDF_EPOCH	1	T	
Step	CDF_UINT1	1	T	
VVPS	CDF_INT2	1	T	
Halt	CDF_UINT1	1	T	
Speed	CDF_FLOAT 1	T		
FSR	CDF_FLOAT	1	T	
DCR	CDF_FLOAT	1	T	
TCR	CDF_FLOAT	1	T	
SSR	CDF_FLOAT	1	T	
HpR	CDF_FLOAT	1	T	
HeR	CDF_FLOAT	1	T	

(Back to chapter 15)

15.4.1 Epoch, Time TAI

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Time TAI
VALIDMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
VALIDMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALEMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
SCALEMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Epoch
UNITS	CDF_CHAR	ms
VAR_TYPE	CDF_CHAR	support_data
CATDESC	CDF_CHAR	Epoch, Time TAI
FILLVAL	CDF_EPOCH	31-Dec-9999 23:59:59.999
DISPLAY_TYPE	CDF_CHAR	time_series
MONOTON	CDF_CHAR	INCREASE
TIME_FORMAT	CDF_CHAR	sec70base
COLUMNS	CDF_CHAR	0-0

(Back to chapter 15)

15.4.2 Step, programmed E over q step

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	programmed E over q step
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	119
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	119
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Step
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	Step, programmed E over q step
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	1-1

(Back to chapter 15)

15.4.3 VVPS, measured VVPS voltage (raw)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	measured VVPS voltage (raw)
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	255
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	255
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	VVPS
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	VVPS, measured VVPS voltage (raw)
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	2-2

(Back to chapter 15)

15.4.4 Halt, rate dependent trigger mode (nominal...halt)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	rate dependent trigger mode (nominal...halt)
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	3
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	3
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Halt
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	Halt, rate dependent trigger mode (nominal...halt)
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	3-3

(Back to chapter 15)

15.4.5 Speed, Solar wind speed

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Solar wind speed
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	2000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	2000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Speed
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	Speed, Solar wind speed
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	4-4

(Back to chapter 15)

15.4.6 FSR, Start rate

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Start rate
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	FSR
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	FSR, Start rate
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	5-5

(Back to chapter 15)

15.4.7 DCR, Double Coincident rate

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Double Coincident rate
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	DCR
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	DCR, Double Coincident rate
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	6-6

(Back to chapter 15)

15.4.8 TCR, Triple Coincident rate

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Triple Coincident rate
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	TCR
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	TCR, Triple Coincident rate
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	7-7

(Back to chapter 15)

15.4.9 SSR, Solid state detector rate

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Solid state detector rate
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SSR
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SSR, Solid state detector rate
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	8-8

(Back to chapter 15)

15.4.10 HpR, Proton rate (H is typo)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Proton rate (H is typo)
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	HpR
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	HpR, Proton rate (H is typo)
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	9-9

(Back to chapter 15)

15.4.11 HeR, Helium rate

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Helium rate
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	HeR
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	HeR, Helium rate
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	10-10

(Back to chapter 15)

15.5 zVariables

No zVariables (Back to chapter 15)

15.6 end

!# server>	client terminated data transfer at 20000204.112807
!# server>	eof cw-2000-034.004.skt

(Back to chapter 15)

Chapter 16

DPU HK L0 V03

Contents

16.1 header 170
16.2 GLOBALattributes 171
16.3 VARIABLEattributes 172
16.4 variables 173
16.4.1 Epoch, Time TAI 174
16.4.2 Qual, Quality check 174
16.4.3 EdbCnt, Number of Edbs since DPU power on 175
16.4.4 HdbCnt, Num of EDBs w/ HK data since DPU power on (<EDB) . . . 175
16.4.5 DVer, DPU software version number:w 176
16.4.6 StatBit7, Status bit 7 of LUD state 176
16.4.7 DFlareCmd, Sets flare mode switch 177
16.4.8 DFlareMo, Flare mode on or off 177
16.4.9 DAutoTlm, Shws automtic telmtry tbles or Manual tbles used 178
16.4.10 DESRMode, DPU ESR mode 0=disable, 1(standby), 2-3 (pweroff) . . . 178
16.4.11 DMPBIdent, Main processor board identification 179
16.4.12 JobSt, gives the status of the DPU activity 179
16.4.13 SModeN, Commanded STOF mode (in next 5 min cycle) 180
16.4.14 SMode, actual STOF Command mode (this 5 min cycle) 180
16.4.15 MModeN, Commanded MTOF mode (in next 5 min cycle) 181
16.4.16 MMode, Actual MTOF Command mode (this 5 min cycle) 181
16.4.17 CModeN, Commanded CTOF mode (in next 5 min cycle) 182
16.4.18 CMode, Actual CTOF Command mode (this 5 min cycle) 182
16.4.19 TTMux, Telemetry multiplexer(array w/16 elements, each 1) 183
16.4.20 ExpAddr, Experiment address 183
16.4.21 Toggle, toggle bit status 184
16.4.22 LUStrob, latch-upstrbe chcks 4 subcritcal shrtcuts(8 bits) 184
16.4.23 LUMask, DPU-Latchup-Mask, is an 8 element array of bits. 185
16.4.24 LUStat, Status of different LUD (8 element array of bits) 185
16.4.25 PwrStat, Power status for all sensors (8 bit array) 186
16.4.26 ClsMux0, Board addresses of sensors(each sensor own board) 186
16.4.27 ClsMux1, Board addresses of sensors(each sensor own board) 187
16.4.28 ClsMux2, Board addresses of sensors(each sensor own board) 187
16.4.29 CmdOk, 'Command OK' counter 188
16.4.30 CmdErr, 'Command Error' counter 188
16.4.31 CmdHTy0, Sensor interpretation of sent command 189

16.4.32 CmdHMlA0, command ERROR history (16 bit: 3bits and 13 bits) . . . 189
16.4.33 CmdHTy1, Sensor interpretation of sent command 190
16.4.34 CmdHMlA1, command ERROR history (16 bit: 3bits and 13 bits) . . . 190
16.4.35 CmdHTy2, Sensor interpretation of sent command 191
16.4.36 CmdHMlA2, command ERROR history (16 bit: 3bits and 13 bits) . . . 191
16.4.37 PontCnt, 'Power on' counter. 192
16.4.38 IdleCtr, Gives percentge idle cycles of DPU(see DJobState) 192
16.4.39 ParErr, a counter for parity errors 193
16.4.40 SCmdErr, STOF command errors 193
16.4.41 MCmdErr, MTOF command errors 194
16.4.42 CCmdErr, CTOF command errors 194
16.4.43 SRAMStat, Keep alive RAM fill status 195
16.4.44 0MemChec, Commnd perform memry check (1 of 6 mem segments) . . 195
16.4.45 1MemChec, Commnd perform memry check (1 of 6 mem segments) . . 196
16.4.46 2MemChec, Commnd perform memry check (1 of 6 mem segments) . . 196
16.4.47 3MemChec, Commnd perform memry check (1 of 6 mem segments) . . 197
16.4.48 4MemChec, Commnd perform memry check (1 of 6 mem segments) . . 197
16.4.49 5MemChec, Commnd perform memry check (1 of 6 mem segments) . . 198
16.5 zVariables 198
16.6 end 198

16.1 header

CDF NAME:	SO_CEL_DPU_HK_L0_V03				
DATA ENCODING:	NETWORK				
MAJORITY:	COLUMN				
FORMAT:	SINGLE				
Variables	G.Attributes	V.Attributes	Records	Dims	Sizes
49/0	21	17	0/z	0	

(Back to chapter 16)

16.2 GLOBALattributes

TITLE	1:	CDF_CHAR	DPU Housekeeping
Project	1:	CDF_CHAR	ISTP>International Solar-Terrestrial Physics
Discipline	1:	CDF_CHAR	Solar Physics>Solar Wind
Source_name	1:	CDF_CHAR	SO>Solar Heliospheric Observatory (SOHO)
Descriptor	1:	CDF_CHAR	CEL>Charge, Element and Isotope Analysis System (C
	2:	CDF_CHAR	ELIAS)
Detector	1:	CDF_CHAR	DPU>Data Processing Unit
Series_name	1:	CDF_CHAR	HK>Housekeeping
Data_type	1:	CDF_CHAR	L0>Level 0
Logical_source	1:	CDF_CHAR	SO_CEL_DPU_HK_L0
TEXT	1:	CDF_CHAR	A description of the CELIAS instrument and
	2:	CDF_CHAR	scientific scope can be found on WWW
	3:	CDF_CHAR	at https://www.ieap.uni-kiel.de/et/soho/celias/
	4:	CDF_CHAR	or on the SOHO homepage at
	5:	CDF_CHAR	http://sohowww.nascom.nasa.gov/.
	6:	CDF_CHAR	A written description of CELIAS
	7:	CDF_CHAR	will appear in the special issue of
	8:	CDF_CHAR	Solar Physics dedicated to SOHO.
Data_version	1:	CDF_CHAR	01
MODS	1:	CDF_CHAR	<cwrap!actual_date>
skeleton_version	1:	CDF_CHAR	01
software_version	1:	CDF_CHAR	<cwrap!cwrap_version>
ADID_ref	1:	CDF_CHAR	NSSD0195
PI_name	1:	CDF_CHAR	Robert F. Wimmer-Schweingruber
PI_affiliation	1:	CDF_CHAR	Institut fuer Experimentelle und Angewandte Physik,
	2:	CDF_CHAR	Christian Albrechts Universitaet Kiel,
	3:	CDF_CHAR	Leibnizstr 11,
	4:	CDF_CHAR	24118 Kiel, Germany
Mission_group	1:	CDF_CHAR	SOHO
Instrument_type	1:	CDF_CHAR	Particles (space)
TEXT_supplement	1:	CDF_CHAR	DPU housekeeping dataset file
TEXT_FOR_UOB	1:	CDF_CHAR	Weygand. recreated after lost Kay-Uwe Reiche file.

(Back to chapter 16)

16.3 VARIABLEattributes

FIELDNAM	
VALIDMIN	
VALIDMAX	
SCALETYP	
SCALEMIN	
SCALEMAX	
UNITS	
LABLAXIS	
FORMAT	
DEPEND_0	
!	DEPEND_1
!	DEPEND_2
!	DEPEND_3
!	DEPEND_4
!	DEPEND_5
MONOTON	
VAR_TYPE	
FILLVAL	
DISPLAY_TYPE	
CATDESC	
COLUMNS	
TIME_FORMAT	

(Back to chapter 16)

16.4 variables

Variable Name	Data Type	Number Elements	Record Variance	Dimension Variances
Epoch	CDF_EPOCH	1	T	
Qual	CDF_INT1	1	T	
EdbCnt	CDF_INT4	1	T	
HdbCnt	CDF_INT4	1	T	
DVer	CDF_UINT1	1	T	
StatBit7	CDF_INT1	1	T	
DFlareCmd	CDF_INT1	1	T	
DFlareMode	CDF_UINT1	1	T	
DAutoTlm	CDF_UINT1	1	T	
DESRMode	CDF_UINT1	1	T	
DMPBIdent	CDF_INT1	1	T	
JobSt	CDF_UINT1	1	T	
SModeN	CDF_INT1	1	T	
SMode	CDF_INT1	1	T	
MModeN	CDF_INT1	1	T	
MMode	CDF_INT1	1	T	
CModeN	CDF_INT1	1	T	
CMode	CDF_INT1	1	T	
TTMux	CDF_INT4	1	T	
ExpAddr	CDF_INT1	1	T	
Toggle	CDF_INT1	1	T	
LUStrob	CDF_INT2	1	T	
LUMask	CDF_INT2	1	T	
LUStat	CDF_INT2	1	T	
PwrStat	CDF_INT2	1	T	
ClsMux0	CDF_UINT1	1	T	
ClsMux1	CDF_INT1	1	T	
ClsMux2	CDF_INT1	1	T	
CmdOk	CDF_INT2	1	T	
CmdErr	CDF_INT2	1	T	
CmdHTy0	CDF_INT1	1	T	
CmdHMlA0	CDF_INT4	1	T	
CmdHTy1	CDF_INT1	1	T	
CmdHMlA1	CDF_INT4	1	T	
CmdHTy2	CDF_INT1	1	T	
CmdHMlA2	CDF_INT4	1	T	
PontCnt	CDF_INT2	1	T	
IdleCtr	CDF_UINT1	1	T	
ParErr	CDF_INT2	1	T	
SCmdErr	CDF_UINT1	1	T	
MCmdErr	CDF_UINT1	1	T	
CCmdErr	CDF_UINT1	1	T	
SRAMStat	CDF_INT2	1	T	
0MemCheck0	CDF_UINT1	1	T	
1MemCheck1	CDF_INT1	1	T	
2MemCheck2	CDF_INT1	1	T	
3MemCheck3	CDF_INT1	1	T	
4MemCheck4	CDF_INT1	1	T	
5MemCheck5	CDF_INT1	1	T	

(Back to chapter 16)

16.4.1 Epoch, Time TAI

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Time TAI
VALIDMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
VALIDMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALEMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
SCALEMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Epoch
UNITS	CDF_CHAR	ms
VAR_TYPE	CDF_CHAR	support_data
CATDESC	CDF_CHAR	Epoch, Time TAI
FILLVAL	CDF_EPOCH	31-Dec-9999 23:59:59.999
DISPLAY_TYPE	CDF_CHAR	time_series
MONOTON	CDF_CHAR	INCREASE
TIME_FORMAT	CDF_CHAR	sec70base
COLUMNS	CDF_CHAR	0-0

(Back to chapter 16)

16.4.2 Qual, Quality check

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Quality check
VALIDMIN	CDF_INT1	0
VALIDMAX	CDF_INT1	1
SCALEMIN	CDF_INT1	0
SCALEMAX	CDF_INT1	1
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Qual
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	Qual, Quality check
FILLVAL	CDF_INT1	-127
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	1-1

(Back to chapter 16)

16.4.3 EdbCnt, Number of Edbs since DPU power on

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Number of Edbs since DPU power on
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	2000000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	2000000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	EdbCnt
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	EdbCnt, Number of Edbs since DPU power on
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	2-2

(Back to chapter 16)

16.4.4 HdbCnt, Num of EDBs w/ HK data since DPU power on (<EDB)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Num of EDBs w/ HK data since DPU power on (<EDB)
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	2000000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	2000000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	HdbCnt
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	HdbCnt, Num of EDBs w/ HK data since DPU power on (<EDB)
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	3-3

(Back to chapter 16)

16.4.5 DVer, DPU software version number:w

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	DPU software version number:w
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	250
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	250
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	DVer
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	DVer, DPU software version number:w
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	4-4

(Back to chapter 16)

16.4.6 StatBit7, Status bit 7 of LUD state

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Status bit 7 of LUD state
VALIDMIN	CDF_INT1	0
VALIDMAX	CDF_INT1	1
SCALEMIN	CDF_INT1	0
SCALEMAX	CDF_INT1	1
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	StatBit7
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	StatBit7, Status bit 7 of LUD state
FILLVAL	CDF_INT1	-127
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	5-5

(Back to chapter 16)

16.4.7 DFlareCmd, Sets flare mode switch

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Sets flare mode switch
VALIDMIN	CDF_INT1	0
VALIDMAX	CDF_INT1	3
SCALEMIN	CDF_INT1	0
SCALEMAX	CDF_INT1	3
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	DFlareCmd
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	DFlareCmd, Sets flare mode switch
FILLVAL	CDF_INT1	-127
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	6-6

(Back to chapter 16)

16.4.8 DFlareMo, Flare mode on or off

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Flare mode on or off
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	1
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	1
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	DFlareMo
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	DFlareMo, Flare mode on or off
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	7-7

(Back to chapter 16)

16.4.9 DAutoTlm, Shws automtic telmtry tbles or Manual tbles used

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Shws automtic telmtry tbles or Manual tbles used
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	250
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	250
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	DAutoTlm
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	DAutoTlm, Shws automtic telmtry tbles or Manual tbles used
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	8-8

(Back to chapter 16)

16.4.10 DESRMode, DPU ESR mode 0=disable, 1(standby), 2-3 (pweroff)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	DPU ESR mode 0=disable, 1(standby), 2-3 (pweroff)
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	250
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	250
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	DESRMode
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	DESRMode, DPU ESR mode 0=disable, 1(standby), 2-3 (pweroff)
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	9-9

(Back to chapter 16)

16.4.11 DMPBIdent, Main processor board identification

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Main processor board identification
VALIDMIN	CDF_INT1	0
VALIDMAX	CDF_INT1	1
SCALEMIN	CDF_INT1	0
SCALEMAX	CDF_INT1	1
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	DMPBIdent
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	DMPBIdent, Main processor board identification
FILLVAL	CDF_INT1	-127
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	10-10

(Back to chapter 16)

16.4.12 JobSt, gives the status of the DPU activity

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	gives the status of the DPU activity
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	60
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	60
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	JobSt
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	JobSt, gives the status of the DPU activity
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	11-11

(Back to chapter 16)

16.4.13 SModeN, Commanded STOF mode (in next 5 min cycle)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Commanded STOF mode (in next 5 min cycle)
VALIDMIN	CDF_INT1	0
VALIDMAX	CDF_INT1	10
SCALEMIN	CDF_INT1	0
SCALEMAX	CDF_INT1	10
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SModeN
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SModeN, Commanded STOF mode (in next 5 min cycle)
FILLVAL	CDF_INT1	-127
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	12-12

(Back to chapter 16)

16.4.14 SMode, actual STOF Command mode (this 5 min cycle)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	actual STOF Command mode (this 5 min cycle)
VALIDMIN	CDF_INT1	0
VALIDMAX	CDF_INT1	10
SCALEMIN	CDF_INT1	0
SCALEMAX	CDF_INT1	10
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SMode
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SMode, actual STOF Command mode (this 5 min cycle)
FILLVAL	CDF_INT1	-127
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	13-13

(Back to chapter 16)

16.4.15 MModeN, Commanded MTOF mode (in next 5 min cycle)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Commanded MTOF mode (in next 5 min cycle)
VALIDMIN	CDF_INT1	0
VALIDMAX	CDF_INT1	10
SCALEMIN	CDF_INT1	0
SCALEMAX	CDF_INT1	10
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MModeN
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MModeN, Commanded MTOF mode (in next 5 min cycle)
FILLVAL	CDF_INT1	-127
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	14-14

(Back to chapter 16)

16.4.16 MMode, Actual MTOF Command mode (this 5 min cycle)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Actual MTOF Command mode (this 5 min cycle)
VALIDMIN	CDF_INT1	0
VALIDMAX	CDF_INT1	10
SCALEMIN	CDF_INT1	0
SCALEMAX	CDF_INT1	10
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MMode
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MMode, Actual MTOF Command mode (this 5 min cycle)
FILLVAL	CDF_INT1	-127
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	15-15

(Back to chapter 16)

16.4.17 CModeN, Commanded CTOF mode (in next 5 min cycle)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Commanded CTOF mode (in next 5 min cycle)
VALIDMIN	CDF_INT1	0
VALIDMAX	CDF_INT1	10
SCALEMIN	CDF_INT1	0
SCALEMAX	CDF_INT1	10
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CModeN
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CModeN, Commanded CTOF mode (in next 5 min cycle)
FILLVAL	CDF_INT1	-127
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	16-16

(Back to chapter 16)

16.4.18 CMode, Actual CTOF Command mode (this 5 min cycle)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Actual CTOF Command mode (this 5 min cycle)
VALIDMIN	CDF_INT1	0
VALIDMAX	CDF_INT1	10
SCALEMIN	CDF_INT1	0
SCALEMAX	CDF_INT1	10
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CMode
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CMode, Actual CTOF Command mode (this 5 min cycle)
FILLVAL	CDF_INT1	-127
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	17-17

(Back to chapter 16)

16.4.19 TTMux, Telemetry multiplexer(array w/16 elements, each 1)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Telemetry multiplexer(array w/16 elements, each 1)
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	1000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	TTMux
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	TTMux, Telemetry multiplexer(array w/16 elements, each 1)
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	18-18

(Back to chapter 16)

16.4.20 ExpAddr, Experiment address

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Experiment address
VALIDMIN	CDF_INT1	0
VALIDMAX	CDF_INT1	15
SCALEMIN	CDF_INT1	0
SCALEMAX	CDF_INT1	15
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	ExpAddr
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	ExpAddr, Experiment address
FILLVAL	CDF_INT1	-127
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	19-19

(Back to chapter 16)

16.4.21 Toggle, toggle bit status

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	toggle bit status
VALIDMIN	CDF_INT1	0
VALIDMAX	CDF_INT1	1
SCALEMIN	CDF_INT1	0
SCALEMAX	CDF_INT1	1
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Toggle
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	Toggle, toggle bit status
FILLVAL	CDF_INT1	-127
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	20-20

(Back to chapter 16)

16.4.22 LUStrob, latch-upstrbe chcks 4 subcritcal shrtcuts(8 bits)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	latch-upstrbe chcks 4 subcritcal shrtcuts(8 bits)
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	255
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	255
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	LUStrob
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	LUStrob, latch-upstrbe chcks 4 subcritcal shrtcuts(8 bits)
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	21-21

(Back to chapter 16)

16.4.23 LUMask, DPU-Latchup-Mask, is an 8 element array of bits.

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	DPU-Latchup-Mask, is an 8 element array of bits.
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	255
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	255
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	LUMask
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	LUMask, DPU-Latchup-Mask, is an 8 element array of bits.
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	22-22

(Back to chapter 16)

16.4.24 LUStat, Status of different LUD (8 element array of bits)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Status of different LUD (8 element array of bits)
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	255
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	255
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	LUStat
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	LUStat, Status of different LUD (8 element array of bits)
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	23-23

(Back to chapter 16)

16.4.25 PwrStat, Power status for all sensors (8 bit array)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Power status for all sensors (8 bit array)
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	255
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	255
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PwrStat
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PwrStat, Power status for all sensors (8 bit array)
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	24-24

(Back to chapter 16)

16.4.26 ClsMux0, Board addresses of sensors(each sensor own board)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Board addresses of sensors(each sensor own board)
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	10
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	10
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	ClsMux0
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	ClsMux0, Board addresses of sensors(each sensor own board)
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	25-25

(Back to chapter 16)

16.4.27 ClsMux1, Board addresses of sensors(each sensor own board)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Board addresses of sensors(each sensor own board)
VALIDMIN	CDF_INT1	0
VALIDMAX	CDF_INT1	10
SCALEMIN	CDF_INT1	0
SCALEMAX	CDF_INT1	10
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	ClsMux1
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	ClsMux1, Board addresses of sensors(each sensor own board)
FILLVAL	CDF_INT1	-127
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	26-26

(Back to chapter 16)

16.4.28 ClsMux2, Board addresses of sensors(each sensor own board)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Board addresses of sensors(each sensor own board)
VALIDMIN	CDF_INT1	0
VALIDMAX	CDF_INT1	10
SCALEMIN	CDF_INT1	0
SCALEMAX	CDF_INT1	10
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	ClsMux2
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	ClsMux2, Board addresses of sensors(each sensor own board)
FILLVAL	CDF_INT1	-127
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	27-27

(Back to chapter 16)

16.4.29 CmdOk, 'Command OK' counter

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	'Command OK' counter
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CmdOk
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CmdOk, 'Command OK' counter
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	28-28

(Back to chapter 16)

16.4.30 CmdErr, 'Command Error' counter

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	'Command Error' counter
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CmdErr
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CmdErr, 'Command Error' counter
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	29-29

(Back to chapter 16)

16.4.31 CmdHTy0, Sensor interpretation of sent command

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Sensor interpretation of sent command
VALIDMIN	CDF_INT1	0
VALIDMAX	CDF_INT1	4
SCALEMIN	CDF_INT1	0
SCALEMAX	CDF_INT1	4
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CmdHTy0
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CmdHTy0, Sensor interpretation of sent command
FILLVAL	CDF_INT1	-127
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	30-30

(Back to chapter 16)

16.4.32 CmdHMlA0, command ERROR history (16 bit: 3bits and 13 bits)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	command ERROR history (16 bit: 3bits and 13 bits)
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	1000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CmdHMlA0
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CmdHMlA0, command ERROR history (16 bit: 3bits and 13 bits)
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	31-31

(Back to chapter 16)

16.4.33 CmdHTy1, Sensor interpretation of sent command

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Sensor interpretation of sent command
VALIDMIN	CDF_INT1	0
VALIDMAX	CDF_INT1	4
SCALEMIN	CDF_INT1	0
SCALEMAX	CDF_INT1	4
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CmdHTy1
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CmdHTy1, Sensor interpretation of sent command
FILLVAL	CDF_INT1	-127
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	32-32

(Back to chapter 16)

16.4.34 CmdHMlA1, command ERROR history (16 bit: 3bits and 13 bits)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	command ERROR history (16 bit: 3bits and 13 bits)
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	1000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CmdHMlA1
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CmdHMlA1, command ERROR history (16 bit: 3bits and 13 bits)
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	33-33

(Back to chapter 16)

16.4.35 CmdHTy2, Sensor interpretation of sent command

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Sensor interpretation of sent command
VALIDMIN	CDF_INT1	0
VALIDMAX	CDF_INT1	4
SCALEMIN	CDF_INT1	0
SCALEMAX	CDF_INT1	4
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CmdHTy2
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CmdHTy2, Sensor interpretation of sent command
FILLVAL	CDF_INT1	-127
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	34-34

(Back to chapter 16)

16.4.36 CmdHMlA2, command ERROR history (16 bit: 3bits and 13 bits)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	command ERROR history (16 bit: 3bits and 13 bits)
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	1000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CmdHMlA2
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CmdHMlA2, command ERROR history (16 bit: 3bits and 13 bits)
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	35-35

(Back to chapter 16)

16.4.37 PontCnt, 'Power on' counter.

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	'Power on' counter.
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PontCnt
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PontCnt, 'Power on' counter.
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	36-36

(Back to chapter 16)

16.4.38 IdleCtr, Gives percentge idle cycles of DPU(see DJobState)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Gives percentge idle cycles of DPU(see DJobState)
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	100
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	100
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	IdleCtr
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	IdleCtr, Gives percentge idle cycles of DPU(see DJobState)
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	37-37

(Back to chapter 16)

16.4.39 ParErr, a counter for parity errors

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	a counter for parity errors
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	ParErr
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	ParErr, a counter for parity errors
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	38-38

(Back to chapter 16)

16.4.40 SCmdErr, STOF command errors

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	STOF command errors
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	250
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	250
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SCmdErr
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SCmdErr, STOF command errors
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	39-39

(Back to chapter 16)

16.4.41 MCmdErr, MTOF command errors

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	MTOF command errors
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	250
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	250
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MCmdErr
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MCmdErr, MTOF command errors
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	40-40

(Back to chapter 16)

16.4.42 CCmdErr, CTOF command errors

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	CTOF command errors
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	250
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	250
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CCmdErr
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CCmdErr, CTOF command errors
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	41-41

(Back to chapter 16)

16.4.43 SRAMStat, Keep alive RAM fill status

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Keep alive RAM fill status
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	10000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	10000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SRAMStat
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SRAMStat, Keep alive RAM fill status
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	42-42

(Back to chapter 16)

16.4.44 0MemChec, Commnd perform memry check (1 of 6 mem segments)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Commnd perform memry check (1 of 6 mem segments)
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	10
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	10
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	0MemChec
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	0MemChec, Commnd perform memry check (1 of 6 mem segments)
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	43-43

(Back to chapter 16)

16.4.45 1MemChec, Commnd perform memry check (1 of 6 mem segments)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Commnd perform memry check (1 of 6 mem segments)
VALIDMIN	CDF_INT1	0
VALIDMAX	CDF_INT1	10
SCALEMIN	CDF_INT1	0
SCALEMAX	CDF_INT1	10
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	1MemChec
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	1MemChec, Commnd perform memry check (1 of 6 mem segments)
FILLVAL	CDF_INT1	-127
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	44-44

(Back to chapter 16)

16.4.46 2MemChec, Commnd perform memry check (1 of 6 mem segments)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Commnd perform memry check (1 of 6 mem segments)
VALIDMIN	CDF_INT1	0
VALIDMAX	CDF_INT1	10
SCALEMIN	CDF_INT1	0
SCALEMAX	CDF_INT1	10
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	2MemChec
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	2MemChec, Commnd perform memry check (1 of 6 mem segments)
FILLVAL	CDF_INT1	-127
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	45-45

(Back to chapter 16)

16.4.47 3MemChec, Commnd perform memry check (1 of 6 mem segments)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Commnd perform memry check (1 of 6 mem segments)
VALIDMIN	CDF_INT1	0
VALIDMAX	CDF_INT1	10
SCALEMIN	CDF_INT1	0
SCALEMAX	CDF_INT1	10
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	3MemChec
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	3MemChec, Commnd perform memry check (1 of 6 mem segments)
FILLVAL	CDF_INT1	-127
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	46-46

(Back to chapter 16)

16.4.48 4MemChec, Commnd perform memry check (1 of 6 mem segments)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Commnd perform memry check (1 of 6 mem segments)
VALIDMIN	CDF_INT1	0
VALIDMAX	CDF_INT1	10
SCALEMIN	CDF_INT1	0
SCALEMAX	CDF_INT1	10
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	4MemChec
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	4MemChec, Commnd perform memry check (1 of 6 mem segments)
FILLVAL	CDF_INT1	-127
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	47-47

(Back to chapter 16)

16.4.49 5MemChec, Commnd perform memry check (1 of 6 mem segments)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Commnd perform memry check (1 of 6 mem segments)
VALIDMIN	CDF_INT1	0
VALIDMAX	CDF_INT1	10
SCALEMIN	CDF_INT1	0
SCALEMAX	CDF_INT1	10
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	5MemChec
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	5MemChec, Commnd perform memry check (1 of 6 mem segments)
FILLVAL	CDF_INT1	-127
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	48-48

(Back to chapter 16)

16.5 zVariables

No zVariables (Back to chapter 16)

16.6 end

!# server>	client terminated data transfer at 20000207.141359
!# server>	eof cw-2000-037.001.skt

(Back to chapter 16)

Chapter 17

DPU HK LA V03

Contents

17.1 header 200
17.2 GLOBALattributes 201
17.3 VARIABLEattributes 202
17.4 variables 203
17.4.1 Epoch, Time TAI 204
17.4.2 Qual, Quality check 204
17.4.3 EdbCnt, Number of Edbs since DPU power on 205
17.4.4 HdbCnt, Num of EDBs w/ HK data since DPU power on (<EDB) . . . 205
17.4.5 DVer, DPU software version number:w 206
17.4.6 StatBit7, Status bit 7 of LUD state 206
17.4.7 DFlareCmd, Sets flare mode switch 207
17.4.8 DFlareMo, Flare mode on or off 207
17.4.9 DAutoTlm, Shws automtic telmtry tbles or Manual tbles used 208
17.4.10 DESRMode, DPU ESR mode 0=disable, 1(standby), 2-3 (pweroff) . . . 208
17.4.11 DMPBIdent, Main processor board identification 209
17.4.12 JobSt, gives the status of the DPU activity 209
17.4.13 SModeN, Commanded STOF mode (in next 5 min cycle) 210
17.4.14 SMode, actual STOF Command mode (this 5 min cycle) 210
17.4.15 MModeN, Commanded MTOF mode (in next 5 min cycle) 211
17.4.16 MMode, Actual MTOF Command mode (this 5 min cycle) 211
17.4.17 CModeN, Commanded CTOF mode (in next 5 min cycle) 212
17.4.18 CMode, Actual CTOF Command mode (this 5 min cycle) 212
17.4.19 TTMux, Telemetry multiplexer(array w/16 elements, each 1) 213
17.4.20 ExpAddr, Experiment address 213
17.4.21 Toggle, toggle bit status 214
17.4.22 LUStrob, latch-upstrbe chcks 4 subcritcal shrtcuts(8 bits) 214
17.4.23 LUMask, DPU-Latchup-Mask, is an 8 element array of bits. 215
17.4.24 LUStat, Status of different LUD (8 element array of bits) 215
17.4.25 PwrStat, Power status for all sensors (8 bit array) 216
17.4.26 ClsMux0, Board addresses of sensors(each sensor own board) 216
17.4.27 ClsMux1, Board addresses of sensors(each sensor own board) 217
17.4.28 ClsMux2, Board addresses of sensors(each sensor own board) 217
17.4.29 CmdOk, 'Command OK' counter 218
17.4.30 CmdErr, 'Command Error' counter 218
17.4.31 CmdHTy0, Sensor interpretation of sent command 219

17.4.32 CmdHMlA0, command ERROR history (16 bit: 3bits and 13 bits) . . . 219
17.4.33 CmdHTy1, Sensor interpretation of sent command 220
17.4.34 CmdHMlA1, command ERROR history (16 bit: 3bits and 13 bits) . . . 220
17.4.35 CmdHTy2, Sensor interpretation of sent command 221
17.4.36 CmdHMlA2, command ERROR history (16 bit: 3bits and 13 bits) . . . 221
17.4.37 PontCnt, 'Power on' counter. 222
17.4.38 IdleCtr, Gives percentge idle cycles of DPU(see DJobState) 222
17.4.39 ParErr, a counter for parity errors 223
17.4.40 SCmdErr, STOF command errors 223
17.4.41 MCmdErr, MTOF command errors 224
17.4.42 CCmdErr, CTOF command errors 224
17.4.43 SRAMStat, Keep alive RAM fill status 225
17.4.44 0MemChec, Commnd perform memry check (1 of 6 mem segments) . . 225
17.4.45 1MemChec, Commnd perform memry check (1 of 6 mem segments) . . 226
17.4.46 2MemChec, Commnd perform memry check (1 of 6 mem segments) . . 226
17.4.47 3MemChec, Commnd perform memry check (1 of 6 mem segments) . . 227
17.4.48 4MemChec, Commnd perform memry check (1 of 6 mem segments) . . 227
17.4.49 5MemChec, Commnd perform memry check (1 of 6 mem segments) . . 228
17.5 zVariables 228
17.6 end 228

17.1 header

CDF NAME:	SO_CEL_DPU_HK_LA_V02				
DATA ENCODING:	NETWORK				
MAJORITY:	COLUMN				
FORMAT:	SINGLE				
Variables	G.Attributes	V.Attributes	Records	Dims	Sizes
49/0	21	17	0/z	0	

(Back to chapter 17)

17.2 GLOBALattributes

TITLE	1:	CDF_CHAR	DPU Housekeeping
Project	1:	CDF_CHAR	ISTP>International Solar-Terrestrial Physics
Discipline	1:	CDF_CHAR	Solar Physics>Solar Wind
Source_name	1:	CDF_CHAR	SO>Solar Heliospheric Observatory (SOHO)
Descriptor	1:	CDF_CHAR	CEL>Charge, Element and Isotope Analysis System (C
	2:	CDF_CHAR	ELIAS)
Detector	1:	CDF_CHAR	DPU>Data Processing Unit
Series_name	1:	CDF_CHAR	HK>Housekeeping
Data_type	1:	CDF_CHAR	LA>Level ASCII
Logical_source	1:	CDF_CHAR	SO_CEL_DPU_HK_LA
TEXT	1:	CDF_CHAR	A description of the CELIAS instrument and
	2:	CDF_CHAR	scientific scope can be found on WWW
	3:	CDF_CHAR	at https://www.ieap.uni-kiel.de/et/soho/celias/
	4:	CDF_CHAR	or on the SOHO homepage at
	5:	CDF_CHAR	http://sohowww.nascom.nasa.gov/.
	6:	CDF_CHAR	A written description of CELIAS
	7:	CDF_CHAR	will appear in the special issue of
	8:	CDF_CHAR	Solar Physics dedicated to SOHO.
Data_version	1:	CDF_CHAR	01
MODS	1:	CDF_CHAR	<cwrap!actual_date>
skeleton_version	1:	CDF_CHAR	01
software_version	1:	CDF_CHAR	<cwrap!cwrap_version>
ADID_ref	1:	CDF_CHAR	NSSD0195
PI_name	1:	CDF_CHAR	Robert F. Wimmer-Schweingruber
PI_affiliation	1:	CDF_CHAR	Institut fuer Experimentelle und Angewandte Physik,
	2:	CDF_CHAR	Christian Albrechts Universitaet Kiel,
	3:	CDF_CHAR	Leibnizstr 11,
	4:	CDF_CHAR	24118 Kiel, Germany
Mission_group	1:	CDF_CHAR	SOHO
Instrument_type	1:	CDF_CHAR	Particles (space)
TEXT_supplement	1:	CDF_CHAR	DPU housekeeping dataset file
TEXT_FOR_UOB	1:	CDF_CHAR	Weygand. recreated after lost Kay-Uwe Reiche file.

(Back to chapter 17)

17.3 VARIABLEattributes

FIELDNAM	
VALIDMIN	
VALIDMAX	
SCALETYP	
SCALEMIN	
SCALEMAX	
UNITS	
LABLAXIS	
FORMAT	
DEPEND_0	
!	DEPEND_1
!	DEPEND_2
!	DEPEND_3
!	DEPEND_4
!	DEPEND_5
MONOTON	
VAR_TYPE	
FILLVAL	
DISPLAY_TYPE	
CATDESC	
COLUMNS	
TIME_FORMAT	

(Back to chapter 17)

17.4 variables

Variable Name	Data Type	Number Elements	Record Variance	Dimension Variances
Epoch	CDF_EPOCH	1	T	
Qual	CDF_INT1	1	T	
EdbCnt	CDF_INT4	1	T	
HdbCnt	CDF_INT4	1	T	
DVer	CDF_UINT1	1	T	
StatBit7	CDF_INT1	1	T	
DFlareCmd	CDF_INT1	1	T	
DFlareMode	CDF_UINT1	1	T	
DAutoTlm	CDF_UINT1	1	T	
DESRMode	CDF_UINT1	1	T	
DMPBIdent	CDF_INT1	1	T	
JobSt	CDF_UINT1	1	T	
SModeN	CDF_INT1	1	T	
SMode	CDF_INT1	1	T	
MModeN	CDF_INT1	1	T	
MMode	CDF_INT1	1	T	
CModeN	CDF_INT1	1	T	
CMode	CDF_INT1	1	T	
TTMux	CDF_INT4	1	T	
ExpAddr	CDF_INT1	1	T	
Toggle	CDF_INT1	1	T	
LUStrob	CDF_INT2	1	T	
LUMask	CDF_INT2	1	T	
LUStat	CDF_INT2	1	T	
PwrStat	CDF_INT2	1	T	
ClsMux0	CDF_UINT1	1	T	
ClsMux1	CDF_INT1	1	T	
ClsMux2	CDF_INT1	1	T	
CmdOk	CDF_INT2	1	T	
CmdErr	CDF_INT2	1	T	
CmdHTy0	CDF_INT1	1	T	
CmdHMlA0	CDF_INT4	1	T	
CmdHTy1	CDF_INT1	1	T	
CmdHMlA1	CDF_INT4	1	T	
CmdHTy2	CDF_INT1	1	T	
CmdHMlA2	CDF_INT4	1	T	
PontCnt	CDF_INT2	1	T	
IdleCtr	CDF_UINT1	1	T	
ParErr	CDF_INT2	1	T	
SCmdErr	CDF_UINT1	1	T	
MCmdErr	CDF_UINT1	1	T	
CCmdErr	CDF_UINT1	1	T	
SRAMStat	CDF_INT2	1	T	
0MemCheck0	CDF_UINT1	1	T	
1MemCheck1	CDF_INT1	1	T	
2MemCheck2	CDF_INT1	1	T	
3MemCheck3	CDF_INT1	1	T	
4MemCheck4	CDF_INT1	1	T	
5MemCheck5	CDF_INT1	1	T	

(Back to chapter 17)

17.4.1 Epoch, Time TAI

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Time TAI
VALIDMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
VALIDMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALEMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
SCALEMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Epoch
UNITS	CDF_CHAR	ms
VAR_TYPE	CDF_CHAR	support_data
CATDESC	CDF_CHAR	Epoch, Time TAI
FILLVAL	CDF_EPOCH	31-Dec-9999 23:59:59.999
DISPLAY_TYPE	CDF_CHAR	time_series
MONOTON	CDF_CHAR	INCREASE
TIME_FORMAT	CDF_CHAR	sec70base
COLUMNS	CDF_CHAR	0-0

(Back to chapter 17)

17.4.2 Qual, Quality check

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Quality check
VALIDMIN	CDF_INT1	0
VALIDMAX	CDF_INT1	1
SCALEMIN	CDF_INT1	0
SCALEMAX	CDF_INT1	1
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Qual
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	Qual, Quality check
FILLVAL	CDF_INT1	-127
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	1-1

(Back to chapter 17)

17.4.3 EdbCnt, Number of Edbs since DPU power on

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Number of Edbs since DPU power on
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	2000000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	2000000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	EdbCnt
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	EdbCnt, Number of Edbs since DPU power on
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	2-2

(Back to chapter 17)

17.4.4 HdbCnt, Num of EDBs w/ HK data since DPU power on (<EDB)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Num of EDBs w/ HK data since DPU power on (<EDB)
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	2000000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	2000000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	HdbCnt
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	HdbCnt, Num of EDBs w/ HK data since DPU power on (<EDB)
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	3-3

(Back to chapter 17)

17.4.5 DVer, DPU software version number:w

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	DPU software version number:w
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	250
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	250
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	DVer
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	DVer, DPU software version number:w
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	4-4

(Back to chapter 17)

17.4.6 StatBit7, Status bit 7 of LUD state

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Status bit 7 of LUD state
VALIDMIN	CDF_INT1	0
VALIDMAX	CDF_INT1	1
SCALEMIN	CDF_INT1	0
SCALEMAX	CDF_INT1	1
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	StatBit7
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	StatBit7, Status bit 7 of LUD state
FILLVAL	CDF_INT1	-127
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	5-5

(Back to chapter 17)

17.4.7 DFlareCmd, Sets flare mode switch

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Sets flare mode switch
VALIDMIN	CDF_INT1	0
VALIDMAX	CDF_INT1	3
SCALEMIN	CDF_INT1	0
SCALEMAX	CDF_INT1	3
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	DFlareCmd
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	DFlareCmd, Sets flare mode switch
FILLVAL	CDF_INT1	-127
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	6-6

(Back to chapter 17)

17.4.8 DFlareMo, Flare mode on or off

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Flare mode on or off
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	1
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	1
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	DFlareMo
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	DFlareMo, Flare mode on or off
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	7-7

(Back to chapter 17)

17.4.9 DAutoTlm, Shws automtic telmtry tbles or Manual tbles used

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Shws automtic telmtry tbles or Manual tbles used
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	250
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	250
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	DAutoTlm
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	DAutoTlm, Shws automtic telmtry tbles or Manual tbles used
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	8-8

(Back to chapter 17)

17.4.10 DESRMode, DPU ESR mode 0=disable, 1(standby), 2-3 (pweroff)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	DPU ESR mode 0=disable, 1(standby), 2-3 (pweroff)
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	250
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	250
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	DESRMode
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	DESRMode, DPU ESR mode 0=disable, 1(standby), 2-3 (pweroff)
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	9-9

(Back to chapter 17)

17.4.11 DMPBIdent, Main processor board identification

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Main processor board identification
VALIDMIN	CDF_INT1	0
VALIDMAX	CDF_INT1	1
SCALEMIN	CDF_INT1	0
SCALEMAX	CDF_INT1	1
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	DMPBIdent
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	DMPBIdent, Main processor board identification
FILLVAL	CDF_INT1	-127
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	10-10

(Back to chapter 17)

17.4.12 JobSt, gives the status of the DPU activity

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	gives the status of the DPU activity
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	60
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	60
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	JobSt
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	JobSt, gives the status of the DPU activity
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	11-11

(Back to chapter 17)

17.4.13 SModeN, Commanded STOF mode (in next 5 min cycle)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Commanded STOF mode (in next 5 min cycle)
VALIDMIN	CDF_INT1	0
VALIDMAX	CDF_INT1	10
SCALEMIN	CDF_INT1	0
SCALEMAX	CDF_INT1	10
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SModeN
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SModeN, Commanded STOF mode (in next 5 min cycle)
FILLVAL	CDF_INT1	-127
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	12-12

(Back to chapter 17)

17.4.14 SMode, actual STOF Command mode (this 5 min cycle)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	actual STOF Command mode (this 5 min cycle)
VALIDMIN	CDF_INT1	0
VALIDMAX	CDF_INT1	10
SCALEMIN	CDF_INT1	0
SCALEMAX	CDF_INT1	10
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SMode
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SMode, actual STOF Command mode (this 5 min cycle)
FILLVAL	CDF_INT1	-127
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	13-13

(Back to chapter 17)

17.4.15 MModeN, Commanded MTOF mode (in next 5 min cycle)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Commanded MTOF mode (in next 5 min cycle)
VALIDMIN	CDF_INT1	0
VALIDMAX	CDF_INT1	10
SCALEMIN	CDF_INT1	0
SCALEMAX	CDF_INT1	10
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MModeN
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MModeN, Commanded MTOF mode (in next 5 min cycle)
FILLVAL	CDF_INT1	-127
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	14-14

(Back to chapter 17)

17.4.16 MMode, Actual MTOF Command mode (this 5 min cycle)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Actual MTOF Command mode (this 5 min cycle)
VALIDMIN	CDF_INT1	0
VALIDMAX	CDF_INT1	10
SCALEMIN	CDF_INT1	0
SCALEMAX	CDF_INT1	10
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MMode
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MMode, Actual MTOF Command mode (this 5 min cycle)
FILLVAL	CDF_INT1	-127
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	15-15

(Back to chapter 17)

17.4.17 CModeN, Commanded CTOF mode (in next 5 min cycle)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Commanded CTOF mode (in next 5 min cycle)
VALIDMIN	CDF_INT1	0
VALIDMAX	CDF_INT1	10
SCALEMIN	CDF_INT1	0
SCALEMAX	CDF_INT1	10
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CModeN
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CModeN, Commanded CTOF mode (in next 5 min cycle)
FILLVAL	CDF_INT1	-127
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	16-16

(Back to chapter 17)

17.4.18 CMode, Actual CTOF Command mode (this 5 min cycle)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Actual CTOF Command mode (this 5 min cycle)
VALIDMIN	CDF_INT1	0
VALIDMAX	CDF_INT1	10
SCALEMIN	CDF_INT1	0
SCALEMAX	CDF_INT1	10
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CMode
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CMode, Actual CTOF Command mode (this 5 min cycle)
FILLVAL	CDF_INT1	-127
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	17-17

(Back to chapter 17)

17.4.19 TTMux, Telemetry multiplexer(array w/16 elements, each 1)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Telemetry multiplexer(array w/16 elements, each 1)
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	1000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	TTMux
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	TTMux, Telemetry multiplexer(array w/16 elements, each 1)
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	18-18

(Back to chapter 17)

17.4.20 ExpAddr, Experiment address

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Experiment address
VALIDMIN	CDF_INT1	0
VALIDMAX	CDF_INT1	15
SCALEMIN	CDF_INT1	0
SCALEMAX	CDF_INT1	15
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	ExpAddr
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	ExpAddr, Experiment address
FILLVAL	CDF_INT1	-127
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	19-19

(Back to chapter 17)

17.4.21 Toggle, toggle bit status

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	toggle bit status
VALIDMIN	CDF_INT1	0
VALIDMAX	CDF_INT1	1
SCALEMIN	CDF_INT1	0
SCALEMAX	CDF_INT1	1
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Toggle
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	Toggle, toggle bit status
FILLVAL	CDF_INT1	-127
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	20-20

(Back to chapter 17)

17.4.22 LUStrob, latch-upstrbe chcks 4 subcritcal shrtcuts(8 bits)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	latch-upstrbe chcks 4 subcritcal shrtcuts(8 bits)
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	255
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	255
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	LUStrob
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	LUStrob, latch-upstrbe chcks 4 subcritcal shrtcuts(8 bits)
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	21-21

(Back to chapter 17)

17.4.23 LUMask, DPU-Latchup-Mask, is an 8 element array of bits.

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	DPU-Latchup-Mask, is an 8 element array of bits.
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	255
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	255
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	LUMask
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	LUMask, DPU-Latchup-Mask, is an 8 element array of bits.
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	22-22

(Back to chapter 17)

17.4.24 LUStat, Status of different LUD (8 element array of bits)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Status of different LUD (8 element array of bits)
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	255
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	255
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	LUStat
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	LUStat, Status of different LUD (8 element array of bits)
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	23-23

(Back to chapter 17)

17.4.25 PwrStat, Power status for all sensors (8 bit array)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Power status for all sensors (8 bit array)
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	255
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	255
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PwrStat
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PwrStat, Power status for all sensors (8 bit array)
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	24-24

(Back to chapter 17)

17.4.26 ClsMux0, Board addresses of sensors(each sensor own board)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Board addresses of sensors(each sensor own board)
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	10
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	10
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	ClsMux0
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	ClsMux0, Board addresses of sensors(each sensor own board)
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	25-25

(Back to chapter 17)

17.4.27 ClsMux1, Board addresses of sensors(each sensor own board)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Board addresses of sensors(each sensor own board)
VALIDMIN	CDF_INT1	0
VALIDMAX	CDF_INT1	10
SCALEMIN	CDF_INT1	0
SCALEMAX	CDF_INT1	10
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	ClsMux1
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	ClsMux1, Board addresses of sensors(each sensor own board)
FILLVAL	CDF_INT1	-127
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	26-26

(Back to chapter 17)

17.4.28 ClsMux2, Board addresses of sensors(each sensor own board)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Board addresses of sensors(each sensor own board)
VALIDMIN	CDF_INT1	0
VALIDMAX	CDF_INT1	10
SCALEMIN	CDF_INT1	0
SCALEMAX	CDF_INT1	10
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	ClsMux2
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	ClsMux2, Board addresses of sensors(each sensor own board)
FILLVAL	CDF_INT1	-127
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	27-27

(Back to chapter 17)

17.4.29 CmdOk, 'Command OK' counter

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	'Command OK' counter
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CmdOk
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CmdOk, 'Command OK' counter
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	28-28

(Back to chapter 17)

17.4.30 CmdErr, 'Command Error' counter

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	'Command Error' counter
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CmdErr
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CmdErr, 'Command Error' counter
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	29-29

(Back to chapter 17)

17.4.31 CmdHTy0, Sensor interpretation of sent command

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Sensor interpretation of sent command
VALIDMIN	CDF_INT1	0
VALIDMAX	CDF_INT1	4
SCALEMIN	CDF_INT1	0
SCALEMAX	CDF_INT1	4
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CmdHTy0
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CmdHTy0, Sensor interpretation of sent command
FILLVAL	CDF_INT1	-127
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	30-30

(Back to chapter 17)

17.4.32 CmdHMlA0, command ERROR history (16 bit: 3bits and 13 bits)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	command ERROR history (16 bit: 3bits and 13 bits)
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	1000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CmdHMlA0
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CmdHMlA0, command ERROR history (16 bit: 3bits and 13 bits)
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	31-31

(Back to chapter 17)

17.4.33 CmdHTy1, Sensor interpretation of sent command

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Sensor interpretation of sent command
VALIDMIN	CDF_INT1	0
VALIDMAX	CDF_INT1	4
SCALEMIN	CDF_INT1	0
SCALEMAX	CDF_INT1	4
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CmdHTy1
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CmdHTy1, Sensor interpretation of sent command
FILLVAL	CDF_INT1	-127
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	32-32

(Back to chapter 17)

17.4.34 CmdHMlA1, command ERROR history (16 bit: 3bits and 13 bits)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	command ERROR history (16 bit: 3bits and 13 bits)
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	1000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CmdHMlA1
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CmdHMlA1, command ERROR history (16 bit: 3bits and 13 bits)
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	33-33

(Back to chapter 17)

17.4.35 CmdHTy2, Sensor interpretation of sent command

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Sensor interpretation of sent command
VALIDMIN	CDF_INT1	0
VALIDMAX	CDF_INT1	4
SCALEMIN	CDF_INT1	0
SCALEMAX	CDF_INT1	4
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CmdHTy2
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CmdHTy2, Sensor interpretation of sent command
FILLVAL	CDF_INT1	-127
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	34-34

(Back to chapter 17)

17.4.36 CmdHMlA2, command ERROR history (16 bit: 3bits and 13 bits)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	command ERROR history (16 bit: 3bits and 13 bits)
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	1000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CmdHMlA2
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CmdHMlA2, command ERROR history (16 bit: 3bits and 13 bits)
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	35-35

(Back to chapter 17)

17.4.37 PontCnt, 'Power on' counter.

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	'Power on' counter.
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PontCnt
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PontCnt, 'Power on' counter.
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	36-36

(Back to chapter 17)

17.4.38 IdleCtr, Gives percentge idle cycles of DPU(see DJobState)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Gives percentge idle cycles of DPU(see DJobState)
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	100
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	100
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	IdleCtr
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	IdleCtr, Gives percentge idle cycles of DPU(see DJobState)
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	37-37

(Back to chapter 17)

17.4.39 ParErr, a counter for parity errors

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	a counter for parity errors
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	ParErr
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	ParErr, a counter for parity errors
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	38-38

(Back to chapter 17)

17.4.40 SCmdErr, STOF command errors

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	STOF command errors
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	250
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	250
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SCmdErr
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SCmdErr, STOF command errors
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	39-39

(Back to chapter 17)

17.4.41 MCmdErr, MTOF command errors

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	MTOF command errors
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	250
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	250
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MCmdErr
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MCmdErr, MTOF command errors
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	40-40

(Back to chapter 17)

17.4.42 CCmdErr, CTOF command errors

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	CTOF command errors
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	250
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	250
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CCmdErr
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CCmdErr, CTOF command errors
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	41-41

(Back to chapter 17)

17.4.43 SRAMStat, Keep alive RAM fill status

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Keep alive RAM fill status
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	10000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	10000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SRAMStat
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SRAMStat, Keep alive RAM fill status
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	42-42

(Back to chapter 17)

17.4.44 0MemChec, Commnd perform memry check (1 of 6 mem segments)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Commnd perform memry check (1 of 6 mem segments)
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	10
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	10
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	0MemChec
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	0MemChec, Commnd perform memry check (1 of 6 mem segments)
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	43-43

(Back to chapter 17)

17.4.45 1MemChec, Commnd perform memry check (1 of 6 mem segments)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Commnd perform memry check (1 of 6 mem segments)
VALIDMIN	CDF_INT1	0
VALIDMAX	CDF_INT1	10
SCALEMIN	CDF_INT1	0
SCALEMAX	CDF_INT1	10
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	1MemChec
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	1MemChec, Commnd perform memry check (1 of 6 mem segments)
FILLVAL	CDF_INT1	-127
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	44-44

(Back to chapter 17)

17.4.46 2MemChec, Commnd perform memry check (1 of 6 mem segments)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Commnd perform memry check (1 of 6 mem segments)
VALIDMIN	CDF_INT1	0
VALIDMAX	CDF_INT1	10
SCALEMIN	CDF_INT1	0
SCALEMAX	CDF_INT1	10
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	2MemChec
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	2MemChec, Commnd perform memry check (1 of 6 mem segments)
FILLVAL	CDF_INT1	-127
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	45-45

(Back to chapter 17)

17.4.47 3MemChec, Commnd perform memry check (1 of 6 mem segments)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Commnd perform memry check (1 of 6 mem segments)
VALIDMIN	CDF_INT1	0
VALIDMAX	CDF_INT1	10
SCALEMIN	CDF_INT1	0
SCALEMAX	CDF_INT1	10
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	3MemChec
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	3MemChec, Commnd perform memry check (1 of 6 mem segments)
FILLVAL	CDF_INT1	-127
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	46-46

(Back to chapter 17)

17.4.48 4MemChec, Commnd perform memry check (1 of 6 mem segments)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Commnd perform memry check (1 of 6 mem segments)
VALIDMIN	CDF_INT1	0
VALIDMAX	CDF_INT1	10
SCALEMIN	CDF_INT1	0
SCALEMAX	CDF_INT1	10
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	4MemChec
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	4MemChec, Commnd perform memry check (1 of 6 mem segments)
FILLVAL	CDF_INT1	-127
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	47-47

(Back to chapter 17)

17.4.49 5MemChec, Commnd perform memry check (1 of 6 mem segments)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Commnd perform memry check (1 of 6 mem segments)
VALIDMIN	CDF_INT1	0
VALIDMAX	CDF_INT1	10
SCALEMIN	CDF_INT1	0
SCALEMAX	CDF_INT1	10
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	5MemChec
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	5MemChec, Commnd perform memry check (1 of 6 mem segments)
FILLVAL	CDF_INT1	-127
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	48-48

(Back to chapter 17)

17.5 zVariables

No zVariables (Back to chapter 17)

17.6 end

!# server>	client terminated data transfer at 20000207.141359
!# server>	eof cw-2000-037.001.skt

(Back to chapter 17)

Chapter 18

DPU TLT L0 V03

Contents

18.1 header 230
18.2 GLOBALattributes 230
18.3 VARIABLEattributes 231
18.4 variables 232
18.4.1 Epoch, Time TAI 233
18.4.2 TMSG, Time transfer 2X per rec in DPU status block 233
18.4.3 cLOBT, Calculated time from EDB 234
18.4.4 fLOBT, File time 234
18.4.5 Rec#, Total record number 235
18.4.6 sEDB#, EDB of Record 235
18.4.7 EDB#, Total EDB since power on of CELIAS instrument. 236
18.4.8 M_WAVE, MTOF WAVE step 236
18.4.9 DTlm, Length DPU uses for DPU (number = 30) 237
18.4.10 DSPa, DPU Spare info on Set and stat of sensors and DPU 237
18.4.11 SPha, STOF/HSTOF PHAs (item Dimension) 238
18.4.12 MPha, MTOF PHAs (item dimension) 238
18.4.13 CPha, CTOF PHAs (item Dimension) 239
18.4.14 SDia, STOF diagnostic (item Dimension) 239
18.4.15 SStat, STOF Status (item dimension) 240
18.4.16 SMR, STOF Matrix rates 240
18.4.17 SME, STOF Matrix Elements (item Dimension) 241
18.4.18 SRat, STOF/HSTOF/SEM rates (item Dimension) 241
18.4.19 HMR, HSTOF matrix rates (item Dimen) typ A comprssd 242
18.4.20 HME, HSTOF matrix elements (item Dimension) 242
18.4.21 MStat, MTOF status 243
18.4.22 MTof, MTOF TOF 243
18.4.23 MRat, MTOF rates (item Dimension) 244
18.4.24 P2rt, PM 244
18.4.25 P1t, PM Theta spectrum (item Dimen) typ 12 comprssd 245
18.4.26 P1r, PM R spectrum (item Dimen) 4e.8m bit 245
18.4.27 PRat, PM Rates (item Dimension) 246
18.4.28 CStat, CTOF Status (item dimen) 246
18.4.29 CMR, CTOF Matrix rates (item Dimension) 247
18.4.30 CME, CTOF Matrix elements (item Dimension) 247
18.4.31 CRat, CTOF Rates (item Dimension) 248

18.5 zVariables 248
18.6 end 248

18.1 header

CDF NAME:	SO_CEL_DPU_TLT_L0_V03				
DATA ENCODING:	NETWORK				
MAJORITY:	COLUMN				
FORMAT:	SINGLE				
Variables	G.Attributes	V.Attributes	Records	Dims	Sizes
31/0	21	17	0/z	0	

(Back to chapter 18)

18.2 GLOBALattributes

TITLE	1:	CDF_CHAR	DPU Telemetry Dataset
Project	1:	CDF_CHAR	ISTP>International Solar-Terrestrial Physics
Discipline	1:	CDF_CHAR	Solar Physics>Solar Wind
Source_name	1:	CDF_CHAR	SO>Solar Heliospheric Observatory (SOHO)
Descriptor	1:	CDF_CHAR	CEL>Charge, Element and Isotope Analysis System (C
	2:	CDF_CHAR	ELIAS)
Detector	1:	CDF_CHAR	DPU>Data Processing Unit
Series_name	1:	CDF_CHAR	TLT>Telemetry Dataset
Data_type	1:	CDF_CHAR	L0>Level 0
Logical_source	1:	CDF_CHAR	SO_CEL_DPU_TLT_L0
TEXT	1:	CDF_CHAR	A description of the CELIAS instrument and
	2:	CDF_CHAR	scientific scope can be found on WWW
	3:	CDF_CHAR	at https://www.ieap.uni-kiel.de/et/soho/celias/
	4:	CDF_CHAR	or on the SOHO homepage at
	5:	CDF_CHAR	http://sohowww.nascom.nasa.gov/.
	6:	CDF_CHAR	A written description of CELIAS
	7:	CDF_CHAR	will appear in the special issue of
	8:	CDF_CHAR	Solar Physics dedicated to SOHO.
Data_version	1:	CDF_CHAR	01
MODS	1:	CDF_CHAR	<cwrap!actual_date>
skeleton_version	1:	CDF_CHAR	01
software_version	1:	CDF_CHAR	<cwrap!cwrap_version>
ADID_ref	1:	CDF_CHAR	NSSD0195
PI_name	1:	CDF_CHAR	Robert F. Wimmer-Schweingruber
PI_affiliation	1:	CDF_CHAR	Institut fuer Experimentelle und Angewandte Physik,
	2:	CDF_CHAR	Christian Albrechts Universitaet Kiel,
	3:	CDF_CHAR	Leibnizstr 11,
	4:	CDF_CHAR	24118 Kiel, Germany
Mission_group	1:	CDF_CHAR	SOHO
Instrument_type	1:	CDF_CHAR	Particles (space)
TEXT_supplement	1:	CDF_CHAR	Telemetry dataset
TEXT_FOR_UOB	1:	CDF_CHAR	Weygand recreation

(Back to chapter 18)

18.3 VARIABLEattributes

FIELDNAM	
VALIDMIN	
VALIDMAX	
SCALETYP	
SCALEMIN	
SCALEMAX	
UNITS	
LABLAXIS	
FORMAT	
DEPEND_0	
!	DEPEND_1
!	DEPEND_2
!	DEPEND_3
!	DEPEND_4
!	DEPEND_5
MONOTON	
VAR_TYPE	
FILLVAL	
DISPLAY_TYPE	
CATDESC	
COLUMNS	
TIME_FORMAT	

(Back to chapter 18)

18.4 variables

Variable Name	Data Type	Number Elements	Record Variance	Dimension Variances
Epoch	CDF_EPOCH	1	T	
TMSG	CDF_INT4	1	T	
cLOBT	CDF_INT4	1	T	
fLOBT	CDF_INT4	1	T	
Rec#	CDF_INT4	1	T	
sEDB#	CDF_INT4	1	T	
EDB#	CDF_INT4	1	T	
M_WAVE	CDF_INT4	1	T	
DTlm	CDF_INT2	1	T	
DSPa	CDF_INT4	1	T	
SPha	CDF_INT4	1	T	
MPha	CDF_INT4	1	T	
CPha	CDF_INT4	1	T	
SDia	CDF_INT4	1	T	
SStat	CDF_INT2	1	T	
SMR	CDF_INT4	1	T	
SME	CDF_INT2	1	T	
SRat	CDF_INT2	1	T	
HMR	CDF_INT4	1	T	
HME	CDF_INT2	1	T	
MStat	CDF_INT2	1	T	
MTof	CDF_INT2	1	T	
MRat	CDF_INT2	1	T	
P2rt	CDF_INT2	1	T	
P1t	CDF_INT2	1	T	
P1r	CDF_INT2	1	T	
PRat	CDF_INT2	1	T	
CStat	CDF_INT2	1	T	
CMR	CDF_INT4	1	T	
CME	CDF_INT2	1	T	
CRat	CDF_INT2	1	T	

(Back to chapter 18)

18.4.1 Epoch, Time TAI

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Time TAI
VALIDMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
VALIDMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALEMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
SCALEMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Epoch
UNITS	CDF_CHAR	ms
VAR_TYPE	CDF_CHAR	support_data
CATDESC	CDF_CHAR	Epoch, Time TAI
FILLVAL	CDF_EPOCH	31-Dec-9999 23:59:59.999
DISPLAY_TYPE	CDF_CHAR	time_series
MONOTON	CDF_CHAR	INCREASE
TIME_FORMAT	CDF_CHAR	sec70base
COLUMNS	CDF_CHAR	0-0

(Back to chapter 18)

18.4.2 TMSG, Time transfer 2X per rec in DPU status block

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Time transfer 2X per rec in DPU status block
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	2000000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	2000000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	TMSG
UNITS	CDF_CHAR	sec
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	TMSG, Time transfer 2X per rec in DPU status block
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	1-1

(Back to chapter 18)

18.4.3 cLOBT, Calculated time from EDB

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Calculated time from EDB
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	2000000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	2000000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	cLOBT
UNITS	CDF_CHAR	sec
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	cLOBT, Calculated time from EDB
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	2-2

(Back to chapter 18)

18.4.4 fLOBT, File time

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	File time
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	2000000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	2000000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	fLOBT
UNITS	CDF_CHAR	sec
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	fLOBT, File time
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	3-3

(Back to chapter 18)

18.4.5 Rec#, Total record number

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Total record number
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	2000000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	2000000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Rec#
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	Rec#, Total record number
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	4-4

(Back to chapter 18)

18.4.6 sEDB#, EDB of Record

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	EDB of Record
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	20
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	20
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	sEDB#
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	sEDB#, EDB of Record
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	5-5

(Back to chapter 18)

18.4.7 EDB#, Total EDB since power on of CELIAS instrument.

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Total EDB since power on of CELIAS instrument.
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	2000000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	2000000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	EDB#
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	EDB#, Total EDB since power on of CELIAS instrument.
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	6-6

(Back to chapter 18)

18.4.8 M_WAVE, MTOF WAVE step

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	MTOF WAVE step
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	20
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	20
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	M_WAVE
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	M_WAVE, MTOF WAVE step
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	7-7

(Back to chapter 18)

18.4.9 DTlm, Length DPU uses for DPU (number = 30)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Length DPU uses for DPU (number = 30)
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	DTlm
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	DTlm, Length DPU uses for DPU (number = 30)
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	8-8

(Back to chapter 18)

18.4.10 DSPa, DPU Spare info on Set and stat of sensors and DPU

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	DPU Spare info on Set and stat of sensors and DPU
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	2000000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	2000000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	DSPa
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	DSPa, DPU Spare info on Set and stat of sensors and DPU
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	9-9

(Back to chapter 18)

18.4.11 SPha, STOF/HSTOF PHAs (item Dimension)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	STOF/HSTOF PHAs (item Dimension)
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	2000000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	2000000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SPha
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SPha, STOF/HSTOF PHAs (item Dimension)
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	10-10

(Back to chapter 18)

18.4.12 MPha, MTOF PHAs (item dimension)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	MTOF PHAs (item dimension)
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	2000000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	2000000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MPha
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MPha, MTOF PHAs (item dimension)
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	11-11

(Back to chapter 18)

18.4.13 CPha, CTOF PHAs (item Dimension)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	CTOF PHAs (item Dimension)
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	2000000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	2000000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CPha
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CPha, CTOF PHAs (item Dimension)
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	12-12

(Back to chapter 18)

18.4.14 SDia, STOF diagnostic (item Dimension)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	STOF diagnostic (item Dimension)
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	2000000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	2000000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SDia
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SDia, STOF diagnostic (item Dimension)
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	13-13

(Back to chapter 18)

18.4.15 SStat, STOF Status (item dimension)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	STOF Status (item dimension)
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	255
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	255
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SStat
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SStat, STOF Status (item dimension)
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	14-14

(Back to chapter 18)

18.4.16 SMR, STOF Matrix rates

Attribute Name	Data Type	Value	
FIELDNAM	CDF_CHAR	STOF Matrix rates	(item Dimension)
VALIDMIN	CDF_INT4	0	
VALIDMAX	CDF_INT4	2000000000	
SCALEMIN	CDF_INT4	0	
SCALEMAX	CDF_INT4	2000000000	
SCALETYP	CDF_CHAR	linear	
LABLAXIS	CDF_CHAR	SMR	
UNITS	CDF_CHAR	-	
VAR_TYPE	CDF_CHAR	data	
CATDESC	CDF_CHAR	SMR, STOF Matrix rates	(item Dimension)
FILLVAL	CDF_INT4	-2147483647	
DISPLAY_TYPE	CDF_CHAR	time_series	
FORMAT	CDF_CHAR	I10	
DEPEND_0	CDF_CHAR	Epoch	
COLUMNS	CDF_CHAR	15-15	

(Back to chapter 18)

18.4.17 SME, STOF Matrix Elements (item Dimension)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	STOF Matrix Elements (item Dimension)
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	255
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	255
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SME
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SME, STOF Matrix Elements (item Dimension)
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	16-16

(Back to chapter 18)

18.4.18 SRat, STOF/HSTOF/SEM rates (item Dimension)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	STOF/HSTOF/SEM rates (item Dimension)
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	255
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	255
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SRat
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SRat, STOF/HSTOF/SEM rates (item Dimension)
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	17-17

(Back to chapter 18)

18.4.19 HMR, HSTOF matrix rates (item Dimen) typ A comprssd

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	HSTOF matrix rates (item Dimen) typ A comprssd
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	2000000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	2000000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	HMR
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	HMR, HSTOF matrix rates (item Dimen) typ A comprssd
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	18-18

(Back to chapter 18)

18.4.20 HME, HSTOF matrix elements (item Dimension)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	HSTOF matrix elements (item Dimension)
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	255
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	255
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	HME
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	HME, HSTOF matrix elements (item Dimension)
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	19-19

(Back to chapter 18)

18.4.21 MStat, MTOF status

Attribute Name	Data Type	Value	
FIELDNAM	CDF_CHAR	MTOF status	(item Dimension)
VALIDMIN	CDF_INT2	0	
VALIDMAX	CDF_INT2	255	
SCALEMIN	CDF_INT2	0	
SCALEMAX	CDF_INT2	255	
SCALETYP	CDF_CHAR	linear	
LABLAXIS	CDF_CHAR	MStat	
UNITS	CDF_CHAR	-	
VAR_TYPE	CDF_CHAR	data	
CATDESC	CDF_CHAR	MStat, MTOF status	(item Dimension)
FILLVAL	CDF_INT2	-32767	
DISPLAY_TYPE	CDF_CHAR	time_series	
FORMAT	CDF_CHAR	I5	
DEPEND_0	CDF_CHAR	Epoch	
COLUMNS	CDF_CHAR	20-20	

(Back to chapter 18)

18.4.22 MTof, MTOF TOF

Attribute Name	Data Type	Value	
FIELDNAM	CDF_CHAR	MTOF TOF	spectra (item Dimen) type C comprssd
VALIDMIN	CDF_INT2	0	
VALIDMAX	CDF_INT2	255	
SCALEMIN	CDF_INT2	0	
SCALEMAX	CDF_INT2	255	
SCALETYP	CDF_CHAR	linear	
LABLAXIS	CDF_CHAR	MTof	
UNITS	CDF_CHAR	-	
VAR_TYPE	CDF_CHAR	data	
CATDESC	CDF_CHAR	MTof, MTOF TOF	spectra (item Dimen) type C comprssd
FILLVAL	CDF_INT2	-32767	
DISPLAY_TYPE	CDF_CHAR	time_series	
FORMAT	CDF_CHAR	I5	
DEPEND_0	CDF_CHAR	Epoch	
COLUMNS	CDF_CHAR	21-21	

(Back to chapter 18)

18.4.23 MRat, MTOF rates (item Dimension)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	MTOF rates (item Dimension)
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	255
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	255
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MRat
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MRat, MTOF rates (item Dimension)
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	22-22

(Back to chapter 18)

18.4.24 P2rt, PM

Attribute Name	Data Type	Value		
FIELDNAM	CDF_CHAR	PM	R vs. theta	(item Dimension)
VALIDMIN	CDF_INT2	0		
VALIDMAX	CDF_INT2	255		
SCALEMIN	CDF_INT2	0		
SCALEMAX	CDF_INT2	255		
SCALETYP	CDF_CHAR	linear		
LABLAXIS	CDF_CHAR	P2rt		
UNITS	CDF_CHAR	-		
VAR_TYPE	CDF_CHAR	data		
CATDESC	CDF_CHAR	P2rt, PM	R vs. theta	(item Dimension)
FILLVAL	CDF_INT2	-32767		
DISPLAY_TYPE	CDF_CHAR	time_series		
FORMAT	CDF_CHAR	I5		
DEPEND_0	CDF_CHAR	Epoch		
COLUMNS	CDF_CHAR	23-23		

(Back to chapter 18)

18.4.25 P1t, PM Theta spectrum (item Dimen) typ 12 comprssd

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	PM Theta spectrum (item Dimen) typ 12 comprssd
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	255
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	255
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	P1t
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	P1t, PM Theta spectrum (item Dimen) typ 12 comprssd
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	24-24

(Back to chapter 18)

18.4.26 P1r, PM R spectrum (item Dimen) 4e.8m bit

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	PM R spectrum (item Dimen) 4e.8m bit
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	255
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	255
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	P1r
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	P1r, PM R spectrum (item Dimen) 4e.8m bit
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	25-25

(Back to chapter 18)

18.4.27 PRat, PM Rates (item Dimension)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	PM Rates (item Dimension)
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	255
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	255
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PRat
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PRat, PM Rates (item Dimension)
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	26-26

(Back to chapter 18)

18.4.28 CStat, CTOF Status (item dimen)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	CTOF Status (item dimen)
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	255
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	255
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CStat
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CStat, CTOF Status (item dimen)
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	27-27

(Back to chapter 18)

18.4.29 CMR, CTOF Matrix rates (item Dimension)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	CTOF Matrix rates (item Dimension)
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	2000000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	2000000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CMR
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CMR, CTOF Matrix rates (item Dimension)
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	28-28

(Back to chapter 18)

18.4.30 CME, CTOF Matrix elements (item Dimension)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	CTOF Matrix elements (item Dimension)
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	255
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	255
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CME
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CME, CTOF Matrix elements (item Dimension)
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	29-29

(Back to chapter 18)

18.4.31 CRat, CTOF Rates (item Dimension)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	CTOF Rates (item Dimension)
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	255
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	255
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CRat
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CRat, CTOF Rates (item Dimension)
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	30-30

(Back to chapter 18)

18.5 zVariables

No zVariables (Back to chapter 18)

18.6 end

!# server>	client terminated data transfer at 20000207.121738
!# server>	eof cw-2000-037.000.skt

(Back to chapter 18)

Chapter 19

DPU TLT LA V03

Contents

19.1 header 250
19.2 GLOBALattributes 250
19.3 VARIABLEattributes 251
19.4 variables 252
19.4.1 Epoch, Time TAI 253
19.4.2 TMSG, Time transfer 2X per rec in DPU status block 253
19.4.3 cLOBT, Calculated time from EDB 254
19.4.4 fLOBT, File time 254
19.4.5 Rec#, Total record number 255
19.4.6 sEDB#, EDB of Record 255
19.4.7 EDB#, Total EDB since power on of CELIAS instrument. 256
19.4.8 M_WAVE, MTOF WAVE step 256
19.4.9 DTlm, Length DPU uses for DPU (number = 30) 257
19.4.10 DSPa, DPU Spare info on Set and stat of sensors and DPU 257
19.4.11 SPha, STOF/HSTOF PHAs (item Dimension) 258
19.4.12 MPha, MTOF PHAs (item dimension) 258
19.4.13 CPha, CTOF PHAs (item Dimension) 259
19.4.14 SDia, STOF diagnostic (item Dimension) 259
19.4.15 SStat, STOF Status (item dimension) 260
19.4.16 SMR, STOF Matrix rates 260
19.4.17 SME, STOF Matrix Elements (item Dimension) 261
19.4.18 SRat, STOF/HSTOF/SEM rates (item Dimension) 261
19.4.19 HMR, HSTOF matrix rates (item Dimen) typ A comprssd 262
19.4.20 HME, HSTOF matrix elements (item Dimension) 262
19.4.21 MStat, MTOF status 263
19.4.22 MTof, MTOF TOF 263
19.4.23 MRat, MTOF rates (item Dimension) 264
19.4.24 P2rt, PM 264
19.4.25 P1t, PM Theta spectrum (item Dimen) typ 12 comprssd 265
19.4.26 P1r, PM R spectrum (item Dimen) 4e.8m bit 265
19.4.27 PRat, PM Rates (item Dimension) 266
19.4.28 CStat, CTOF Status (item dimen) 266
19.4.29 CMR, CTOF Matrix rates (item Dimension) 267
19.4.30 CME, CTOF Matrix elements (item Dimension) 267
19.4.31 CRat, CTOF Rates (item Dimension) 268

19.5 zVariables 268
19.6 end 268

19.1 header

CDF NAME:	SO_CEL_DPU_TLT_LA_V02				
DATA ENCODING:	NETWORK				
MAJORITY:	COLUMN				
FORMAT:	SINGLE				
Variables	G.Attributes	V.Attributes	Records	Dims	Sizes
31/0	21	17	0/z	0	

(Back to chapter 19)

19.2 GLOBALattributes

TITLE	1:	CDF_CHAR	DPU Telemetry Dataset
Project	1:	CDF_CHAR	ISTP>International Solar-Terrestrial Physics
Discipline	1:	CDF_CHAR	Solar Physics>Solar Wind
Source_name	1:	CDF_CHAR	SO>Solar Heliospheric Observatory (SOHO)
Descriptor	1:	CDF_CHAR	CEL>Charge, Element and Isotope Analysis System (C
	2:	CDF_CHAR	ELIAS)
Detector	1:	CDF_CHAR	DPU>Data Processing Unit
Series_name	1:	CDF_CHAR	TLT>Telemetry Dataset
Data_type	1:	CDF_CHAR	LA>Level ASCII
Logical_source	1:	CDF_CHAR	SO_CEL_DPU_TLT_LA
TEXT	1:	CDF_CHAR	A description of the CELIAS instrument and
	2:	CDF_CHAR	scientific scope can be found on WWW
	3:	CDF_CHAR	at https://www.ieap.uni-kiel.de/et/soho/celias/
	4:	CDF_CHAR	or on the SOHO homepage at
	5:	CDF_CHAR	http://sohowww.nascom.nasa.gov/.
	6:	CDF_CHAR	A written description of CELIAS
	7:	CDF_CHAR	will appear in the special issue of
	8:	CDF_CHAR	Solar Physics dedicated to SOHO.
Data_version	1:	CDF_CHAR	01
MODS	1:	CDF_CHAR	<cwrap!actual_date>
skeleton_version	1:	CDF_CHAR	01
software_version	1:	CDF_CHAR	<cwrap!cwrap_version>
ADID_ref	1:	CDF_CHAR	NSSD0195
PI_name	1:	CDF_CHAR	Robert F. Wimmer-Schweingruber
PI_affiliation	1:	CDF_CHAR	Institut fuer Experimentelle und Angewandte Physik,
	2:	CDF_CHAR	Christian Albrechts Universitaet Kiel,
	3:	CDF_CHAR	Leibnizstr 11,
	4:	CDF_CHAR	24118 Kiel, Germany
Mission_group	1:	CDF_CHAR	SOHO
Instrument_type	1:	CDF_CHAR	Particles (space)
TEXT_supplement	1:	CDF_CHAR	Telemetry dataset
TEXT_FOR_UOB	1:	CDF_CHAR	Weygand recreation

(Back to chapter 19)

19.3 VARIABLEattributes

FIELDNAM	
VALIDMIN	
VALIDMAX	
SCALETYP	
SCALEMIN	
SCALEMAX	
UNITS	
LABLAXIS	
FORMAT	
DEPEND_0	
!	DEPEND_1
!	DEPEND_2
!	DEPEND_3
!	DEPEND_4
!	DEPEND_5
MONOTON	
VAR_TYPE	
FILLVAL	
DISPLAY_TYPE	
CATDESC	
COLUMNS	
TIME_FORMAT	

(Back to chapter 19)

19.4 variables

Variable Name	Data Type	Number Elements	Record Variance	Dimension Variances
Epoch	CDF_EPOCH	1	T	
TMSG	CDF_INT4	1	T	
cLOBT	CDF_INT4	1	T	
fLOBT	CDF_INT4	1	T	
Rec#	CDF_INT4	1	T	
sEDB#	CDF_INT4	1	T	
EDB#	CDF_INT4	1	T	
M_WAVE	CDF_INT4	1	T	
DTlm	CDF_INT2	1	T	
DSPa	CDF_INT4	1	T	
SPha	CDF_INT4	1	T	
MPha	CDF_INT4	1	T	
CPha	CDF_INT4	1	T	
SDia	CDF_INT4	1	T	
SStat	CDF_INT2	1	T	
SMR	CDF_INT4	1	T	
SME	CDF_INT2	1	T	
SRat	CDF_INT2	1	T	
HMR	CDF_INT4	1	T	
HME	CDF_INT2	1	T	
MStat	CDF_INT2	1	T	
MTof	CDF_INT2	1	T	
MRat	CDF_INT2	1	T	
P2rt	CDF_INT2	1	T	
P1t	CDF_INT2	1	T	
P1r	CDF_INT2	1	T	
PRat	CDF_INT2	1	T	
CStat	CDF_INT2	1	T	
CMR	CDF_INT4	1	T	
CME	CDF_INT2	1	T	
CRat	CDF_INT2	1	T	

(Back to chapter 19)

19.4.1 Epoch, Time TAI

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Time TAI
VALIDMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
VALIDMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALEMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
SCALEMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Epoch
UNITS	CDF_CHAR	ms
VAR_TYPE	CDF_CHAR	support_data
CATDESC	CDF_CHAR	Epoch, Time TAI
FILLVAL	CDF_EPOCH	31-Dec-9999 23:59:59.999
DISPLAY_TYPE	CDF_CHAR	time_series
MONOTON	CDF_CHAR	INCREASE
TIME_FORMAT	CDF_CHAR	sec70base
COLUMNS	CDF_CHAR	0-0

(Back to chapter 19)

19.4.2 TMSG, Time transfer 2X per rec in DPU status block

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Time transfer 2X per rec in DPU status block
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	2000000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	2000000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	TMSG
UNITS	CDF_CHAR	sec
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	TMSG, Time transfer 2X per rec in DPU status block
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	1-1

(Back to chapter 19)

19.4.3 cLOBT, Calculated time from EDB

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Calculated time from EDB
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	2000000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	2000000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	cLOBT
UNITS	CDF_CHAR	sec
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	cLOBT, Calculated time from EDB
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	2-2

(Back to chapter 19)

19.4.4 fLOBT, File time

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	File time
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	2000000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	2000000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	fLOBT
UNITS	CDF_CHAR	sec
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	fLOBT, File time
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	3-3

(Back to chapter 19)

19.4.5 Rec#, Total record number

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Total record number
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	2000000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	2000000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Rec#
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	Rec#, Total record number
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	4-4

(Back to chapter 19)

19.4.6 sEDB#, EDB of Record

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	EDB of Record
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	20
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	20
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	sEDB#
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	sEDB#, EDB of Record
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	5-5

(Back to chapter 19)

19.4.7 EDB#, Total EDB since power on of CELIAS instrument.

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Total EDB since power on of CELIAS instrument.
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	2000000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	2000000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	EDB#
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	EDB#, Total EDB since power on of CELIAS instrument.
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	6-6

(Back to chapter 19)

19.4.8 M_WAVE, MTOF WAVE step

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	MTOF WAVE step
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	20
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	20
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	M_WAVE
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	M_WAVE, MTOF WAVE step
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	7-7

(Back to chapter 19)

19.4.9 DTlm, Length DPU uses for DPU (number = 30)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Length DPU uses for DPU (number = 30)
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	DTlm
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	DTlm, Length DPU uses for DPU (number = 30)
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	8-8

(Back to chapter 19)

19.4.10 DSPa, DPU Spare info on Set and stat of sensors and DPU

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	DPU Spare info on Set and stat of sensors and DPU
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	2000000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	2000000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	DSPa
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	DSPa, DPU Spare info on Set and stat of sensors and DPU
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	9-9

(Back to chapter 19)

19.4.11 SPha, STOF/HSTOF PHAs (item Dimension)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	STOF/HSTOF PHAs (item Dimension)
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	2000000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	2000000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SPha
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SPha, STOF/HSTOF PHAs (item Dimension)
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	10-10

(Back to chapter 19)

19.4.12 MPha, MTOF PHAs (item dimension)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	MTOF PHAs (item dimension)
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	2000000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	2000000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MPha
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MPha, MTOF PHAs (item dimension)
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	11-11

(Back to chapter 19)

19.4.13 CPha, CTOF PHAs (item Dimension)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	CTOF PHAs (item Dimension)
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	2000000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	2000000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CPha
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CPha, CTOF PHAs (item Dimension)
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	12-12

(Back to chapter 19)

19.4.14 SDia, STOF diagnostic (item Dimension)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	STOF diagnostic (item Dimension)
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	2000000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	2000000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SDia
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SDia, STOF diagnostic (item Dimension)
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	13-13

(Back to chapter 19)

19.4.15 SStat, STOF Status (item dimension)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	STOF Status (item dimension)
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	255
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	255
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SStat
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SStat, STOF Status (item dimension)
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	14-14

(Back to chapter 19)

19.4.16 SMR, STOF Matrix rates

Attribute Name	Data Type	Value	
FIELDNAM	CDF_CHAR	STOF Matrix rates	(item Dimension)
VALIDMIN	CDF_INT4	0	
VALIDMAX	CDF_INT4	2000000000	
SCALEMIN	CDF_INT4	0	
SCALEMAX	CDF_INT4	2000000000	
SCALETYP	CDF_CHAR	linear	
LABLAXIS	CDF_CHAR	SMR	
UNITS	CDF_CHAR	-	
VAR_TYPE	CDF_CHAR	data	
CATDESC	CDF_CHAR	SMR, STOF Matrix rates	(item Dimension)
FILLVAL	CDF_INT4	-2147483647	
DISPLAY_TYPE	CDF_CHAR	time_series	
FORMAT	CDF_CHAR	I10	
DEPEND_0	CDF_CHAR	Epoch	
COLUMNS	CDF_CHAR	15-15	

(Back to chapter 19)

19.4.17 SME, STOF Matrix Elements (item Dimension)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	STOF Matrix Elements (item Dimension)
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	255
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	255
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SME
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SME, STOF Matrix Elements (item Dimension)
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	16-16

(Back to chapter 19)

19.4.18 SRat, STOF/HSTOF/SEM rates (item Dimension)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	STOF/HSTOF/SEM rates (item Dimension)
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	255
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	255
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SRat
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SRat, STOF/HSTOF/SEM rates (item Dimension)
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	17-17

(Back to chapter 19)

19.4.19 HMR, HSTOF matrix rates (item Dimen) typ A comprssd

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	HSTOF matrix rates (item Dimen) typ A comprssd
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	2000000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	2000000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	HMR
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	HMR, HSTOF matrix rates (item Dimen) typ A comprssd
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	18-18

(Back to chapter 19)

19.4.20 HME, HSTOF matrix elements (item Dimension)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	HSTOF matrix elements (item Dimension)
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	255
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	255
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	HME
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	HME, HSTOF matrix elements (item Dimension)
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	19-19

(Back to chapter 19)

19.4.21 MStat, MTOF status

Attribute Name	Data Type	Value	
FIELDNAM	CDF_CHAR	MTOF status	(item Dimension)
VALIDMIN	CDF_INT2	0	
VALIDMAX	CDF_INT2	255	
SCALEMIN	CDF_INT2	0	
SCALEMAX	CDF_INT2	255	
SCALETYP	CDF_CHAR	linear	
LABLAXIS	CDF_CHAR	MStat	
UNITS	CDF_CHAR	-	
VAR_TYPE	CDF_CHAR	data	
CATDESC	CDF_CHAR	MStat, MTOF status	(item Dimension)
FILLVAL	CDF_INT2	-32767	
DISPLAY_TYPE	CDF_CHAR	time_series	
FORMAT	CDF_CHAR	I5	
DEPEND_0	CDF_CHAR	Epoch	
COLUMNS	CDF_CHAR	20-20	

(Back to chapter 19)

19.4.22 MTof, MTOF TOF

Attribute Name	Data Type	Value	
FIELDNAM	CDF_CHAR	MTOF TOF	spectra (item Dimen) type C comprssd
VALIDMIN	CDF_INT2	0	
VALIDMAX	CDF_INT2	255	
SCALEMIN	CDF_INT2	0	
SCALEMAX	CDF_INT2	255	
SCALETYP	CDF_CHAR	linear	
LABLAXIS	CDF_CHAR	MTof	
UNITS	CDF_CHAR	-	
VAR_TYPE	CDF_CHAR	data	
CATDESC	CDF_CHAR	MTof, MTOF TOF	spectra (item Dimen) type C comprssd
FILLVAL	CDF_INT2	-32767	
DISPLAY_TYPE	CDF_CHAR	time_series	
FORMAT	CDF_CHAR	I5	
DEPEND_0	CDF_CHAR	Epoch	
COLUMNS	CDF_CHAR	21-21	

(Back to chapter 19)

19.4.23 MRat, MTOF rates (item Dimension)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	MTOF rates (item Dimension)
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	255
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	255
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MRat
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MRat, MTOF rates (item Dimension)
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	22-22

(Back to chapter 19)

19.4.24 P2rt, PM

Attribute Name	Data Type	Value		
FIELDNAM	CDF_CHAR	PM	R vs. theta	(item Dimension)
VALIDMIN	CDF_INT2	0		
VALIDMAX	CDF_INT2	255		
SCALEMIN	CDF_INT2	0		
SCALEMAX	CDF_INT2	255		
SCALETYP	CDF_CHAR	linear		
LABLAXIS	CDF_CHAR	P2rt		
UNITS	CDF_CHAR	-		
VAR_TYPE	CDF_CHAR	data		
CATDESC	CDF_CHAR	P2rt, PM	R vs. theta	(item Dimension)
FILLVAL	CDF_INT2	-32767		
DISPLAY_TYPE	CDF_CHAR	time_series		
FORMAT	CDF_CHAR	I5		
DEPEND_0	CDF_CHAR	Epoch		
COLUMNS	CDF_CHAR	23-23		

(Back to chapter 19)

19.4.25 P1t, PM Theta spectrum (item Dimen) typ 12 comprssd

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	PM Theta spectrum (item Dimen) typ 12 comprssd
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	255
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	255
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	P1t
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	P1t, PM Theta spectrum (item Dimen) typ 12 comprssd
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	24-24

(Back to chapter 19)

19.4.26 P1r, PM R spectrum (item Dimen) 4e.8m bit

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	PM R spectrum (item Dimen) 4e.8m bit
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	255
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	255
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	P1r
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	P1r, PM R spectrum (item Dimen) 4e.8m bit
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	25-25

(Back to chapter 19)

19.4.27 PRat, PM Rates (item Dimension)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	PM Rates (item Dimension)
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	255
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	255
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PRat
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PRat, PM Rates (item Dimension)
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	26-26

(Back to chapter 19)

19.4.28 CStat, CTOF Status (item dimen)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	CTOF Status (item dimen)
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	255
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	255
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CStat
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CStat, CTOF Status (item dimen)
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	27-27

(Back to chapter 19)

19.4.29 CMR, CTOF Matrix rates (item Dimension)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	CTOF Matrix rates (item Dimension)
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	2000000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	2000000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CMR
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CMR, CTOF Matrix rates (item Dimension)
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	28-28

(Back to chapter 19)

19.4.30 CME, CTOF Matrix elements (item Dimension)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	CTOF Matrix elements (item Dimension)
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	255
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	255
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CME
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CME, CTOF Matrix elements (item Dimension)
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	29-29

(Back to chapter 19)

19.4.31 CRat, CTOF Rates (item Dimension)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	CTOF Rates (item Dimension)
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	255
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	255
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CRat
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CRat, CTOF Rates (item Dimension)
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	30-30

(Back to chapter 19)

19.5 zVariables

No zVariables (Back to chapter 19)

19.6 end

!# server>	client terminated data transfer at 20000207.121738
!# server>	eof cw-2000-037.000.skt

(Back to chapter 19)

Chapter 20

HSTOF EHA L1 V01

Contents

20.1 header 269

20.2 GLOBALattributes 270

20.3 VARIABLEattributes 271

20.4 variables 271

20.4.1 Epoch, Time TAI 272

20.4.2 duration, duration of measurement 272

20.4.3 fluxEHA, flux of EHAs between 55 - 80 keV 273

20.4.4 1sigma, standard deviation of fluxEHA 273

20.5 zVariables 273

20.6 end 273

20.1 header

CDF NAME:	SO_CEL_HSTOF_EHA_L1_V01				
DATA ENCODING:	NETWORK				
MAJORITY:	COLUMN				
FORMAT:	SINGLE				
Variables	G.Attributes	V.Attributes	Records	Dims	Sizes
4/0	21	17	0/z	0	

(Back to chapter 20)

20.2 GLOBALattributes

TITLE	1:	CDF_CHAR	Energetic Neutral Hydrogen Atoms (EHAs)
Project	1:	CDF_CHAR	ISTP>International Solar-Terrestrial Physics
Discipline	1:	CDF_CHAR	Solar Physics>Solar Wind
Source_name	1:	CDF_CHAR	SO>Solar Heliospheric Observatory (SOHO)
Descriptor	1:	CDF_CHAR	CEL>Charge, Element and Isotope Analysis System (C
	2:	CDF_CHAR	ELIAS)
Detector	1:	CDF_CHAR	HSTOF>High Suprathermal Time Of Flight
Series_name	1:	CDF_CHAR	EHA>Energetic Neutral Hydrogen Atom
Data_type	1:	CDF_CHAR	L1>Level 1 Science Data
Logical_source	1:	CDF_CHAR	SO_CEL_HSTOF_EHA_L1
TEXT	1:	CDF_CHAR	A description of the CELIAS instrument and
	2:	CDF_CHAR	scientific scope can be found on WWW
	3:	CDF_CHAR	at http://ubecx.unibe.ch/phim/soho/
	4:	CDF_CHAR	or on the SOHO homepage at
	5:	CDF_CHAR	http://sohowww.nascom.nasa.gov/.
	6:	CDF_CHAR	A written description of CELIAS
	7:	CDF_CHAR	will appear in the special issue of
	8:	CDF_CHAR	Solar Physics dedicated to SOHO.
Data_version	1:	CDF_CHAR	01
MODS	1:	CDF_CHAR	<cwrap!actual_date>
skeleton_version	1:	CDF_CHAR	01
software_version	1:	CDF_CHAR	<cwrap!cwrap_version>
ADID_ref	1:	CDF_CHAR	NSSD0195
PI_name	1:	CDF_CHAR	Peter Bochsler
PI_affiliation	1:	CDF_CHAR	Physikalisches Institut,
	2:	CDF_CHAR	Universitaet Bern,
	3:	CDF_CHAR	Sidlerstrasse 5,
	4:	CDF_CHAR	3012 Bern, Switzerland
Mission_group	1:	CDF_CHAR	SOHO
Instrument_type	1:	CDF_CHAR	Particles (space)
TEXT_supplement	1:	CDF_CHAR	HSTOF is capable of identifying energetic hydrogen
	2:	CDF_CHAR	atoms (EHAs) between 55 and 80 keV. Between 1996
	3:	CDF_CHAR	February 13 and 1997 December 31, near solar minim
	4:	CDF_CHAR	um, there are 300 quiet time days when the interpl
	5:	CDF_CHAR	anetary charged-particle flux was low. During thes
	6:	CDF_CHAR	e quiet times, HSTOF scanned the apex of the helio
	7:	CDF_CHAR	sphere once and the antiapex twice. The flux level
	8:	CDF_CHAR	and time profile, and hence the arrival direction
	9:	CDF_CHAR	, of the EHAs accumulated during these quiet times
	10:	CDF_CHAR	are best interpreted as fluxes of EHAs coming fro
	11:	CDF_CHAR	m the heliosheath.
	12:	CDF_CHAR	Reference: THE ASTROPHYSICAL JOURNAL , 503: 916-92
	13:	CDF_CHAR	2, 1998 August 20
			.
TEXT_FOR_UOB	1:	CDF_CHAR	Martin Hilchenbach et al.
	2:	CDF_CHAR	Skeleton by Thom Buchmueller

(Back to chapter 20)

20.3 VARIABLEattributes

FIELDNAM	
VALIDMIN	
VALIDMAX	
SCALETYP	
SCALEMIN	
SCALEMAX	
UNITS	
LABLAXIS	
FORMAT	
DEPEND_0	
!	DEPEND_1
!	DEPEND_2
!	DEPEND_3
!	DEPEND_4
!	DEPEND_5
MONOTON	
VAR_TYPE	
FILLVAL	
DISPLAY_TYPE	
CATDESC	
COLUMNS	
TIME_FORMAT	

(Back to chapter 20)

20.4 variables

Variable Name	Data Type	Number Elements	Record Variance	Dimension Variances
Epoch	CDF_EPOCH	1	T	
duration	CDF_INT4	1	T	
fluxEHA	CDF_FLOAT	1	T	
1sigma	CDF_FLOAT	1	T	

(Back to chapter 20)

20.4.1 Epoch, Time TAI

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Time TAI
VALIDMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
VALIDMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALEMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
SCALEMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Epoch
UNITS	CDF_CHAR	ms
VAR_TYPE	CDF_CHAR	support_data
CATDESC	CDF_CHAR	Epoch, Time TAI
FILLVAL	CDF_EPOCH	31-Dec-9999 23:59:59.999
DISPLAY_TYPE	CDF_CHAR	time_series
MONOTON	CDF_CHAR	INCREASE
TIME_FORMAT	CDF_CHAR	sec70base
COLUMNS	CDF_CHAR	3-3

(Back to chapter 20)

20.4.2 duration, duration of measurement

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	duration of measurement
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	100000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	100000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	duration
UNITS	CDF_CHAR	s
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	duration, duration of measurement
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	5-5

(Back to chapter 20)

20.4.3 fluxEHA, flux of EHAs between 55 - 80 keV

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	flux of EHAs between 55 - 80 keV
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1.0E-3
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1.0E-3
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	fluxEHA
UNITS	CDF_CHAR	1 / (cm$\hat{2}$ * sr * keV * s)
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	fluxEHA, flux of EHAs between 55 - 80 keV
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	E9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	7-7

(Back to chapter 20)

20.4.4 1sigma, standard deviation of fluxEHA

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	standard deviation of fluxEHA
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1.0E-4
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1.0E-4
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	1sigma
UNITS	CDF_CHAR	1 / (cm$\hat{2}$ * sr * keV * s)
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	1sigma, standard deviation of fluxEHA
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	E9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	8-8

(Back to chapter 20)

20.5 zVariables

No zVariables (Back to chapter 20)

20.6 end

!# server>	client terminated data transfer at 20000417.143218
!# server>	eof cw-2000-107.005.skt

(Back to chapter 20)

Chapter 21

HSTOF ME L0 V03

Contents

21.1 header 275

21.2 GLOBALattributes 276

21.3 VARIABLEattributes 277

21.4 variables 277

21.4.1 Epoch, Time TAI 277

21.4.2 ME, HSTOF matrix elements 278

21.5 zVariables 278

21.6 end 278

21.1 header

CDF NAME:	SO_CEL_HSTOF_ME_L0_V03				
DATA ENCODING:	NETWORK				
MAJORITY:	COLUMN				
FORMAT:	SINGLE				
Variables	G.Attributes	V.Attributes	Records	Dims	Sizes
2/0	21	17	0/z	1	480

(Back to chapter 21)

21.2 GLOBALattributes

TITLE	1:	CDF_CHAR	HSTOF matrix elements
Project	1:	CDF_CHAR	ISTP>International Solar-Terrestrial Physics
Discipline	1:	CDF_CHAR	Solar Physics>Solar Wind
Source_name	1:	CDF_CHAR	SO>Solar Heliospheric Observatory (SOHO)
Descriptor	1:	CDF_CHAR	CEL>Charge, Element and Isotope Analysis System (C
	2:	CDF_CHAR	ELIAS)
Detector	1:	CDF_CHAR	HSTOF>High Suprathermal Time Of Flight
Series_name	1:	CDF_CHAR	ME>Matrix Elements
Data_type	1:	CDF_CHAR	L0>Level 0
Logical_source	1:	CDF_CHAR	SO_CEL_HSTOF_ME_L0
TEXT	1:	CDF_CHAR	A description of the CELIAS instrument and
	2:	CDF_CHAR	scientific scope can be found on WWW
	3:	CDF_CHAR	at https://www.ieap.uni-kiel.de/et/soho/celias/
	4:	CDF_CHAR	or on the SOHO homepage at
	5:	CDF_CHAR	http://sohowww.nascom.nasa.gov/.
	6:	CDF_CHAR	A written description of CELIAS
	7:	CDF_CHAR	will appear in the special issue of
	8:	CDF_CHAR	Solar Physics dedicated to SOHO.
Data_version	1:	CDF_CHAR	01
MODS	1:	CDF_CHAR	<cwrap!actual_date>
skeleton_version	1:	CDF_CHAR	01
software_version	1:	CDF_CHAR	<cwrap!cwrap_version>
ADID_ref	1:	CDF_CHAR	NSSD0195
PI_name	1:	CDF_CHAR	Robert F. Wimmer-Schweingruber
PI_affiliation	1:	CDF_CHAR	Institut fuer Experimentelle und Angewandte Physik,
	2:	CDF_CHAR	Christian Albrechts Universitaet Kiel,
	3:	CDF_CHAR	Leibnizstr 11,
	4:	CDF_CHAR	24118 Kiel, Germany
Mission_group	1:	CDF_CHAR	SOHO
Instrument_type	1:	CDF_CHAR	Particles (space)
TEXT_supplement	1:	CDF_CHAR	HSTOF matrix rates
TEXT_FOR_UOB	1:	CDF_CHAR	weygand

(Back to chapter 21)

21.3 VARIABLEattributes

FIELDNAM	
VALIDMIN	
VALIDMAX	
SCALETYP	
SCALEMIN	
SCALEMAX	
UNITS	
LABLAXIS	
FORMAT	
DEPEND_0	
!	DEPEND_1
!	DEPEND_2
!	DEPEND_3
!	DEPEND_4
!	DEPEND_5
MONOTON	
VAR_TYPE	
FILLVAL	
DISPLAY_TYPE	
CATDESC	
COLUMNS	
TIME_FORMAT	

(Back to chapter 21)

21.4 variables

Variable Name	Data Type	Number Elements	Record Variance	Dimension Variances
Epoch	CDF_EPOCH	1	T	F
ME	CDF_INT4	1	T	T

(Back to chapter 21)

21.4.1 Epoch, Time TAI

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Time TAI
VALIDMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
VALIDMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALEMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
SCALEMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Epoch
UNITS	CDF_CHAR	ms
VAR_TYPE	CDF_CHAR	support_data
CATDESC	CDF_CHAR	Epoch, Time TAI
FILLVAL	CDF_EPOCH	31-Dec-9999 23:59:59.999
DISPLAY_TYPE	CDF_CHAR	time_series
MONOTON	CDF_CHAR	INCREASE
TIME_FORMAT	CDF_CHAR	sec70base
COLUMNS	CDF_CHAR	0-0

(Back to chapter 21)

21.4.2 ME, HSTOF matrix elements

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	HSTOF matrix elements
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	1000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	ME
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	ME, HSTOF matrix elements
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	1-480

(Back to chapter 21)

21.5 zVariables

No zVariables (Back to chapter 21)

21.6 end

section is empty (Back to chapter 21)

Chapter 22

HSTOF ME LA V03

Contents

22.1 header 279

22.2 GLOBALattributes 280

22.3 VARIABLEattributes 281

22.4 variables 281

22.4.1 Epoch, Time TAI 281

22.4.2 ME, HSTOF matrix elements 282

22.5 zVariables 282

22.6 end 282

22.1 header

CDF NAME:	SO_CEL_HSTOF_ME_LA_V02				
DATA ENCODING:	NETWORK				
MAJORITY:	COLUMN				
FORMAT:	SINGLE				
Variables	G.Attributes	V.Attributes	Records	Dims	Sizes
2/0	21	17	0/z	1	480

(Back to chapter 22)

22.2 GLOBALattributes

TITLE	1:	CDF_CHAR	HSTOF matrix elements
Project	1:	CDF_CHAR	ISTP>International Solar-Terrestrial Physics
Discipline	1:	CDF_CHAR	Solar Physics>Solar Wind
Source_name	1:	CDF_CHAR	SO>Solar Heliospheric Observatory (SOHO)
Descriptor	1:	CDF_CHAR	CEL>Charge, Element and Isotope Analysis System (C
	2:	CDF_CHAR	ELIAS)
Detector	1:	CDF_CHAR	HSTOF>High Suprathermal Time Of Flight
Series_name	1:	CDF_CHAR	ME>Matrix Elements
Data_type	1:	CDF_CHAR	LA>Level ASCII
Logical_source	1:	CDF_CHAR	SO_CEL_HSTOF_ME_LA
TEXT	1:	CDF_CHAR	A description of the CELIAS instrument and
	2:	CDF_CHAR	scientific scope can be found on WWW
	3:	CDF_CHAR	at https://www.ieap.uni-kiel.de/et/soho/celias/
	4:	CDF_CHAR	or on the SOHO homepage at
	5:	CDF_CHAR	http://sohowww.nascom.nasa.gov/.
	6:	CDF_CHAR	A written description of CELIAS
	7:	CDF_CHAR	will appear in the special issue of
	8:	CDF_CHAR	Solar Physics dedicated to SOHO.
Data_version	1:	CDF_CHAR	01
MODS	1:	CDF_CHAR	<cwrap!actual_date>
skeleton_version	1:	CDF_CHAR	01
software_version	1:	CDF_CHAR	<cwrap!cwrap_version>
ADID_ref	1:	CDF_CHAR	NSSD0195
PI_name	1:	CDF_CHAR	Robert F. Wimmer-Schweingruber
PI_affiliation	1:	CDF_CHAR	Institut fuer Experimentelle und Angewandte Physik,
	2:	CDF_CHAR	Christian Albrechts Universitaet Kiel,
	3:	CDF_CHAR	Leibnizstr 11,
	4:	CDF_CHAR	24118 Kiel, Germany
Mission_group	1:	CDF_CHAR	SOHO
Instrument_type	1:	CDF_CHAR	Particles (space)
TEXT_supplement	1:	CDF_CHAR	HSTOF matrix rates
TEXT_FOR_UOB	1:	CDF_CHAR	weygand

(Back to chapter 22)

22.3 VARIABLEattributes

FIELDNAM	
VALIDMIN	
VALIDMAX	
SCALETYP	
SCALEMIN	
SCALEMAX	
UNITS	
LABLAXIS	
FORMAT	
DEPEND_0	
!	DEPEND_1
!	DEPEND_2
!	DEPEND_3
!	DEPEND_4
!	DEPEND_5
MONOTON	
VAR_TYPE	
FILLVAL	
DISPLAY_TYPE	
CATDESC	
COLUMNS	
TIME_FORMAT	

(Back to chapter 22)

22.4 variables

Variable Name	Data Type	Number Elements	Record Variance	Dimension Variances
Epoch	CDF_EPOCH	1	T	F
ME	CDF_INT4	1	T	T

(Back to chapter 22)

22.4.1 Epoch, Time TAI

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Time TAI
VALIDMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
VALIDMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALEMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
SCALEMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Epoch
UNITS	CDF_CHAR	ms
VAR_TYPE	CDF_CHAR	support_data
CATDESC	CDF_CHAR	Epoch, Time TAI
FILLVAL	CDF_EPOCH	31-Dec-9999 23:59:59.999
DISPLAY_TYPE	CDF_CHAR	time_series
MONOTON	CDF_CHAR	INCREASE
TIME_FORMAT	CDF_CHAR	sec70base
COLUMNS	CDF_CHAR	0-0

(Back to chapter 22)

22.4.2 ME, HSTOF matrix elements

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	HSTOF matrix elements
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	1000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	ME
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	ME, HSTOF matrix elements
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	1-480

(Back to chapter 22)

22.5 zVariables

No zVariables (Back to chapter 22)

22.6 end

section is empty (Back to chapter 22)

Chapter 23

HSTOF MR L0 V03

Contents

23.1 header 283

23.2 GLOBALattributes 284

23.3 VARIABLEattributes 285

23.4 variables 285

23.4.1 Epoch, Time TAI 286

23.4.2 Step, HSTOF sweep voltage step 286

23.4.3 R05-00, HSTOF high time resolution matrix rates 287

23.4.4 P1, HSTOF high time resolution priority rate 1 287

23.4.5 P0, HSTOF high time resolution priority rate 0 288

23.5 zVariables 288

23.6 end 288

23.1 header

CDF NAME:	SO_CEL_HSTOF_MR_L0_V03				
DATA ENCODING:	NETWORK				
MAJORITY:	COLUMN				
FORMAT:	SINGLE				
Variables	G.Attributes	V.Attributes	Records	Dims	Sizes
5/0	21	17	0/z	1	6

(Back to chapter 23)

23.2 GLOBALattributes

TITLE	1:	CDF_CHAR	HSTOF matrix rates
Project	1:	CDF_CHAR	ISTP>International Solar-Terrestrial Physics
Discipline	1:	CDF_CHAR	Solar Physics>Solar Wind
Source_name	1:	CDF_CHAR	SO>Solar Heliospheric Observatory (SOHO)
Descriptor	1:	CDF_CHAR	CEL>Charge, Element and Isotope Analysis System (C
	2:	CDF_CHAR	ELIAS)
Detector	1:	CDF_CHAR	HSTOF>High Suprathermal Time Of Flight
Series_name	1:	CDF_CHAR	MR>Matrix Rates
Data_type	1:	CDF_CHAR	L0>Level 0
Logical_source	1:	CDF_CHAR	SO_CEL_HSTOF_MR_L0
TEXT	1:	CDF_CHAR	A description of the CELIAS instrument and
	2:	CDF_CHAR	scientific scope can be found on WWW
	3:	CDF_CHAR	at https://www.ieap.uni-kiel.de/et/soho/celias/
	4:	CDF_CHAR	or on the SOHO homepage at
	5:	CDF_CHAR	http://sohowww.nascom.nasa.gov/.
	6:	CDF_CHAR	A written description of CELIAS
	7:	CDF_CHAR	will appear in the special issue of
	8:	CDF_CHAR	Solar Physics dedicated to SOHO.
Data_version	1:	CDF_CHAR	01
MODS	1:	CDF_CHAR	<cwrap!actual_date>
skeleton_version	1:	CDF_CHAR	01
software_version	1:	CDF_CHAR	<cwrap!cwrap_version>
ADID_ref	1:	CDF_CHAR	NSSD0195
PI_name	1:	CDF_CHAR	Robert F. Wimmer-Schweingruber
PI_affiliation	1:	CDF_CHAR	Institut fuer Experimentelle und Angewandte Physik,
	2:	CDF_CHAR	Christian Albrechts Universitaet Kiel,
	3:	CDF_CHAR	Leibnizstr 11,
	4:	CDF_CHAR	24118 Kiel, Germany
Mission_group	1:	CDF_CHAR	SOHO
Instrument_type	1:	CDF_CHAR	Particles (space)
TEXT_supplement	1:	CDF_CHAR	HSTOF matrix rates
TEXT_FOR_UOB	1:	CDF_CHAR	weygand redone from hilchenbach crash

(Back to chapter 23)

23.3 VARIABLEattributes

FIELDNAM	
VALIDMIN	
VALIDMAX	
SCALETYP	
SCALEMIN	
SCALEMAX	
UNITS	
LABLAXIS	
FORMAT	
DEPEND_0	
!	DEPEND_1
!	DEPEND_2
!	DEPEND_3
!	DEPEND_4
!	DEPEND_5
MONOTON	
VAR_TYPE	
FILLVAL	
DISPLAY_TYPE	
CATDESC	
COLUMNS	
TIME_FORMAT	

(Back to chapter 23)

23.4 variables

Variable Name	Data Type	Number Elements	Record Variance	Dimension Variances
Epoch	CDF_EPOCH	1	T	F
Step	CDF_UINT1	1	T	F
R05-00	CDF_INT4	1	T	T
P1	CDF_INT4	1	T	F
P0	CDF_INT4	1	T	F

(Back to chapter 23)

23.4.1 Epoch, Time TAI

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Time TAI
VALIDMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
VALIDMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALEMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
SCALEMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Epoch
UNITS	CDF_CHAR	ms
VAR_TYPE	CDF_CHAR	support_data
CATDESC	CDF_CHAR	Epoch, Time TAI
FILLVAL	CDF_EPOCH	31-Dec-9999 23:59:59.999
DISPLAY_TYPE	CDF_CHAR	time_series
MONOTON	CDF_CHAR	INCREASE
TIME_FORMAT	CDF_CHAR	sec70base
COLUMNS	CDF_CHAR	0-0

(Back to chapter 23)

23.4.2 Step, HSTOF sweep voltage step

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	HSTOF sweep voltage step
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	80
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	80
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Step
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	Step, HSTOF sweep voltage step
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	1-1

(Back to chapter 23)

23.4.3 R05-00, HSTOF high time resolution matrix rates

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	HSTOF high time resolution matrix rates
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	1000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	R05-00
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	R05-00, HSTOF high time resolution matrix rates
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	2-7

(Back to chapter 23)

23.4.4 P1, HSTOF high time resolution priority rate 1

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	HSTOF high time resolution priority rate 1
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	1000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	P1
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	P1, HSTOF high time resolution priority rate 1
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	8-8

(Back to chapter 23)

23.4.5 P0, HSTOF high time resolution priority rate 0

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	HSTOF high time resolution priority rate 0
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	1000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	P0
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	P0, HSTOF high time resolution priority rate 0
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	9-9

(Back to chapter 23)

23.5 zVariables

No zVariables (Back to chapter 23)

23.6 end

section is empty (Back to chapter 23)

Chapter 24

HSTOF MR LA V03

Contents

24.1 header 289

24.2 GLOBALattributes 290

24.3 VARIABLEattributes 291

24.4 variables 291

24.4.1 Epoch, Time TAI 292

24.4.2 Step, HSTOF sweep voltage step 292

24.4.3 R05-00, HSTOF high time resolution matrix rates 293

24.4.4 P1, HSTOF high time resolution priority rate 1 293

24.4.5 P0, HSTOF high time resolution priority rate 0 294

24.5 zVariables 294

24.6 end 294

24.1 header

CDF NAME:	SO_CEL_HSTOF_MR_LA_V02				
DATA ENCODING:	NETWORK				
MAJORITY:	COLUMN				
FORMAT:	SINGLE				
Variables	G.Attributes	V.Attributes	Records	Dims	Sizes
5/0	21	17	0/z	1	6

(Back to chapter 24)

24.2 GLOBALattributes

TITLE	1:	CDF_CHAR	HSTOF matrix rates
Project	1:	CDF_CHAR	ISTP>International Solar-Terrestrial Physics
Discipline	1:	CDF_CHAR	Solar Physics>Solar Wind
Source_name	1:	CDF_CHAR	SO>Solar Heliospheric Observatory (SOHO)
Descriptor	1:	CDF_CHAR	CEL>Charge, Element and Isotope Analysis System (C
	2:	CDF_CHAR	ELIAS)
Detector	1:	CDF_CHAR	HSTOF>High Suprathermal Time Of Flight
Series_name	1:	CDF_CHAR	MR>Matrix Rates
Data_type	1:	CDF_CHAR	LA>Level ASCII
Logical_source	1:	CDF_CHAR	SO_CEL_HSTOF_MR_LA
TEXT	1:	CDF_CHAR	A description of the CELIAS instrument and
	2:	CDF_CHAR	scientific scope can be found on WWW
	3:	CDF_CHAR	at https://www.ieap.uni-kiel.de/et/soho/celias/
	4:	CDF_CHAR	or on the SOHO homepage at
	5:	CDF_CHAR	http://sohowww.nascom.nasa.gov/.
	6:	CDF_CHAR	A written description of CELIAS
	7:	CDF_CHAR	will appear in the special issue of
	8:	CDF_CHAR	Solar Physics dedicated to SOHO.
Data_version	1:	CDF_CHAR	01
MODS	1:	CDF_CHAR	<cwrap!actual_date>
skeleton_version	1:	CDF_CHAR	01
software_version	1:	CDF_CHAR	<cwrap!cwrap_version>
ADID_ref	1:	CDF_CHAR	NSSD0195
PI_name	1:	CDF_CHAR	Robert F. Wimmer-Schweingruber
PI_affiliation	1:	CDF_CHAR	Institut fuer Experimentelle und Angewandte Physik,
	2:	CDF_CHAR	Christian Albrechts Universitaet Kiel,
	3:	CDF_CHAR	Leibnizstr 11,
	4:	CDF_CHAR	24118 Kiel, Germany
Mission_group	1:	CDF_CHAR	SOHO
Instrument_type	1:	CDF_CHAR	Particles (space)
TEXT_supplement	1:	CDF_CHAR	HSTOF matrix rates
TEXT_FOR_UOB	1:	CDF_CHAR	weygand redone from hilchenbach crash

(Back to chapter 24)

24.3 VARIABLEattributes

FIELDNAM	
VALIDMIN	
VALIDMAX	
SCALETYP	
SCALEMIN	
SCALEMAX	
UNITS	
LABLAXIS	
FORMAT	
DEPEND_0	
!	DEPEND_1
!	DEPEND_2
!	DEPEND_3
!	DEPEND_4
!	DEPEND_5
MONOTON	
VAR_TYPE	
FILLVAL	
DISPLAY_TYPE	
CATDESC	
COLUMNS	
TIME_FORMAT	

(Back to chapter 24)

24.4 variables

Variable Name	Data Type	Number Elements	Record Variance	Dimension Variances
Epoch	CDF_EPOCH	1	T	F
Step	CDF_UINT1	1	T	F
R05-00	CDF_INT4	1	T	T
P1	CDF_INT4	1	T	F
P0	CDF_INT4	1	T	F

(Back to chapter 24)

24.4.1 Epoch, Time TAI

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Time TAI
VALIDMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
VALIDMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALEMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
SCALEMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Epoch
UNITS	CDF_CHAR	ms
VAR_TYPE	CDF_CHAR	support_data
CATDESC	CDF_CHAR	Epoch, Time TAI
FILLVAL	CDF_EPOCH	31-Dec-9999 23:59:59.999
DISPLAY_TYPE	CDF_CHAR	time_series
MONOTON	CDF_CHAR	INCREASE
TIME_FORMAT	CDF_CHAR	sec70base
COLUMNS	CDF_CHAR	0-0

(Back to chapter 24)

24.4.2 Step, HSTOF sweep voltage step

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	HSTOF sweep voltage step
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	80
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	80
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Step
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	Step, HSTOF sweep voltage step
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	1-1

(Back to chapter 24)

24.4.3 R05-00, HSTOF high time resolution matrix rates

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	HSTOF high time resolution matrix rates
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	1000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	R05-00
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	R05-00, HSTOF high time resolution matrix rates
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	2-7

(Back to chapter 24)

24.4.4 P1, HSTOF high time resolution priority rate 1

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	HSTOF high time resolution priority rate 1
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	1000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	P1
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	P1, HSTOF high time resolution priority rate 1
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	8-8

(Back to chapter 24)

24.4.5 P0, HSTOF high time resolution priority rate 0

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	HSTOF high time resolution priority rate 0
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	1000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	P0
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	P0, HSTOF high time resolution priority rate 0
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	9-9

(Back to chapter 24)

24.5 zVariables

No zVariables (Back to chapter 24)

24.6 end

section is empty (Back to chapter 24)

Chapter 25

MTOF CME L1 V01

Contents

25.1 header 295
25.2 GLOBALattributes 296
25.3 VARIABLEattributes 297
25.4 variables 297
25.4.1 Epoch, Time TAI 298
25.4.2 v_SW, Solar wind speed 298
25.4.3 v_kin, Kinetic speed 299
25.4.4 n_p, Proton density 299
25.4.5 ns_angle, Out of ecliptic angle 300
25.4.6 V_f, Post-acceleration voltage 300
25.4.7 V_wave, Entrance system voltage 301
25.4.8 O_den, O density 301
25.4.9 Ne_den, Ne density 302
25.4.10 Mg_den, Mg density 302
25.4.11 Si_den, Si density 303
25.4.12 S_den, S density 303
25.4.13 Ca_den, Ca density 304
25.4.14 Fe_den, Fe density 304
25.4.15 Na_den, Na density 305
25.4.16 Al_den, Al density 305
25.4.17 Ar_den, Ar density 306
25.4.18 He_den, He density 306
25.4.19 C_den, C density 307
25.4.20 N_den, N density 307
25.5 zVariables 307
25.6 end 307

25.1 header

CDF NAME:	SO_CEL_MTOF_CME_L1_V01				
DATA ENCODING:	NETWORK				
MAJORITY:	COLUMN				
FORMAT:	SINGLE				
Variables	G.Attributes	V.Attributes	Records	Dims	Sizes
20/0	21	17	0/z	0	

(Back to chapter 25)

25.2 GLOBALattributes

TITLE	1:	CDF_CHAR	Coronal Mass Ejection
Project	1:	CDF_CHAR	ISTP>International Solar-Terrestrial Physics
Discipline	1:	CDF_CHAR	Solar Physics>Solar Wind
Source_name	1:	CDF_CHAR	SO>Solar Heliospheric Observatory (SOHO)
Descriptor	1:	CDF_CHAR	CEL>Charge, Element and Isotope Analysis System (C
	2:	CDF_CHAR	ELIAS)
Detector	1:	CDF_CHAR	MTOF>Mass Time Of Flight
Series_name	1:	CDF_CHAR	CME>Coronal Mass Ejection
Data_type	1:	CDF_CHAR	L1>Level 1 Science Data
Logical_source	1:	CDF_CHAR	SO_CEL_MTOF_CME_L1
TEXT	1:	CDF_CHAR	A description of the CELIAS instrument and
	2:	CDF_CHAR	scientific scope can be found on WWW
	3:	CDF_CHAR	at http://ubecx.unibe.ch/phim/soho/
	4:	CDF_CHAR	or on the SOHO homepage at
	5:	CDF_CHAR	http://sohowww.nascom.nasa.gov/.
	6:	CDF_CHAR	A written description of CELIAS
	7:	CDF_CHAR	will appear in the special issue of
	8:	CDF_CHAR	Solar Physics dedicated to SOHO.
Data_version	1:	CDF_CHAR	01
MODS	1:	CDF_CHAR	<cwrap!actual_date>
skeleton_version	1:	CDF_CHAR	01
software_version	1:	CDF_CHAR	<cwrap!cwrap_version>
ADID_ref	1:	CDF_CHAR	NSSD0195
PI_name	1:	CDF_CHAR	Peter Bochsler
PI_affiliation	1:	CDF_CHAR	Physikalisches Institut,
	2:	CDF_CHAR	Universitaet Bern,
	3:	CDF_CHAR	Sidlerstrasse 5,
	4:	CDF_CHAR	3012 Bern, Switzerland
Mission_group	1:	CDF_CHAR	SOHO
Instrument_type	1:	CDF_CHAR	Particles (space)
TEXT_supplement	1:	CDF_CHAR	Coronal Mass Ejection (CME), Jan 10. 1997
TEXT_FOR_UOB	1:	CDF_CHAR	thom buchmueller with help from peter wurz

(Back to chapter 25)

25.3 VARIABLEattributes

FIELDNAM	
VALIDMIN	
VALIDMAX	
SCALETYP	
SCALEMIN	
SCALEMAX	
UNITS	
LABLAXIS	
FORMAT	
DEPEND_0	
!	DEPEND_1
!	DEPEND_2
!	DEPEND_3
!	DEPEND_4
!	DEPEND_5
MONOTON	
VAR_TYPE	
FILLVAL	
DISPLAY_TYPE	
CATDESC	
COLUMNS	
TIME_FORMAT	

(Back to chapter 25)

25.4 variables

Variable Name	Data Type	Number Elements	Record Variance	Dimension Variances
Epoch	CDF_EPOCH	1	T	
v_SW	CDF_INT4	1	T	
v_kin	CDF_INT4	1	T	
n_p	CDF_FLOAT	1	T	
ns_angle	CDF_FLOAT	1	T	
V_f	CDF_FLOAT	1	T	
V_wave	CDF_FLOAT	1	T	
O_den	CDF_FLOAT	1	T	
Ne_den	CDF_FLOAT	1	T	
Mg_den	CDF_FLOAT	1	T	
Si_den	CDF_FLOAT	1	T	
S_den	CDF_FLOAT	1	T	
Ca_den	CDF_FLOAT	1	T	
Fe_den	CDF_FLOAT	1	T	
Na_den	CDF_FLOAT	1	T	
Al_den	CDF_FLOAT	1	T	
Ar_den	CDF_FLOAT	1	T	
He_den	CDF_FLOAT	1	T	
C_den	CDF_FLOAT	1	T	
N_den	CDF_FLOAT	1	T	

(Back to chapter 25)

25.4.1 Epoch, Time TAI

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Time TAI
VALIDMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
VALIDMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALEMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
SCALEMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Epoch
UNITS	CDF_CHAR	ms
VAR_TYPE	CDF_CHAR	support_data
CATDESC	CDF_CHAR	Epoch, Time TAI
FILLVAL	CDF_EPOCH	31-Dec-9999 23:59:59.999
DISPLAY_TYPE	CDF_CHAR	time_series
MONOTON	CDF_CHAR	INCREASE
TIME_FORMAT	CDF_CHAR	sec70base
COLUMNS	CDF_CHAR	0-0

(Back to chapter 25)

25.4.2 v_SW, Solar wind speed

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Solar wind speed
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	1500000
SCALEMIN	CDF_INT4	200000
SCALEMAX	CDF_INT4	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	v_SW
UNITS	CDF_CHAR	m/s
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	v_SW, Solar wind speed
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	1-1

(Back to chapter 25)

25.4.3 v_kin, Kinetic speed

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Kinetic speed
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	1500000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	v_kin
UNITS	CDF_CHAR	m/s
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	v_kin, Kinetic speed
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	2-2

(Back to chapter 25)

25.4.4 n_p, Proton density

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Proton density
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	300
SCALEMIN	CDF_FLOAT	10
SCALEMAX	CDF_FLOAT	100
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	n_p
UNITS	CDF_CHAR	cm^3
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	n_p, Proton density
FILLVAL	CDF_FLOAT	-1.000
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	3-3

(Back to chapter 25)

25.4.5 ns_angle, Out of ecliptic angle

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Out of ecliptic angle
VALIDMIN	CDF_FLOAT	-10
VALIDMAX	CDF_FLOAT	10
SCALEMIN	CDF_FLOAT	-10
SCALEMAX	CDF_FLOAT	10
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	ns_angle
UNITS	CDF_CHAR	deg
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	ns_angle, Out of ecliptic angle
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	4-4

(Back to chapter 25)

25.4.6 V_f, Post-acceleration voltage

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Post-acceleration voltage
VALIDMIN	CDF_FLOAT	-3000
VALIDMAX	CDF_FLOAT	3000
SCALEMIN	CDF_FLOAT	-3000
SCALEMAX	CDF_FLOAT	3000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	V_f
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	V_f, Post-acceleration voltage
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	5-5

(Back to chapter 25)

25.4.7 V_wave, Entrance system voltage

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Entrance system voltage
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	15000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	15000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	V_wave
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	V_wave, Entrance system voltage
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F6.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	6-6

(Back to chapter 25)

25.4.8 O_den, O density

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	O density
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1e6
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1e6
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	O_den
UNITS	CDF_CHAR	m^-3
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	O_den, O density
FILLVAL	CDF_FLOAT	-1.000
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	7-7

(Back to chapter 25)

25.4.9 Ne_den, Ne density

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Ne density
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1e6
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1e6
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Ne_den
UNITS	CDF_CHAR	mˆ3
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	Ne_den, Ne density
FILLVAL	CDF_FLOAT	-1.000
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	8-8

(Back to chapter 25)

25.4.10 Mg_den, Mg density

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Mg density
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1e6
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1e6
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Mg_den
UNITS	CDF_CHAR	mˆ3
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	Mg_den, Mg density
FILLVAL	CDF_FLOAT	-1.000
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	9-9

(Back to chapter 25)

25.4.11 Si_den, Si density

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Si density
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1e6
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1e6
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Si_den
UNITS	CDF_CHAR	mˆ3
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	Si_den, Si density
FILLVAL	CDF_FLOAT	-1.000
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	10-10

(Back to chapter 25)

25.4.12 S_den, S density

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	S density
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1e6
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1e6
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	S_den
UNITS	CDF_CHAR	mˆ3
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	S_den, S density
FILLVAL	CDF_FLOAT	-1.000
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	11-11

(Back to chapter 25)

25.4.13 Ca_den, Ca density

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Ca density
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1e6
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1e6
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Ca_den
UNITS	CDF_CHAR	m^-3
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	Ca_den, Ca density
FILLVAL	CDF_FLOAT	-1.000
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	12-12

(Back to chapter 25)

25.4.14 Fe_den, Fe density

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Fe density
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1e6
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1e6
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Fe_den
UNITS	CDF_CHAR	m^-3
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	Fe_den, Fe density
FILLVAL	CDF_FLOAT	-1.000
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	13-13

(Back to chapter 25)

25.4.15 Na_den, Na density

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Na density
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1e6
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1e6
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Na_den
UNITS	CDF_CHAR	m^-3
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	Na_den, Na density
FILLVAL	CDF_FLOAT	-1.000
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	14-14

(Back to chapter 25)

25.4.16 Al_den, Al density

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Al density
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1e6
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1e6
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Al_den
UNITS	CDF_CHAR	m^-3
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	Al_den, Al density
FILLVAL	CDF_FLOAT	-1.000
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	15-15

(Back to chapter 25)

25.4.17 Ar_den, Ar density

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Ar density
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1e6
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1e6
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Ar_den
UNITS	CDF_CHAR	m^-3
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	Ar_den, Ar density
FILLVAL	CDF_FLOAT	-1.000
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	16-16

(Back to chapter 25)

25.4.18 He_den, He density

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	He density
VALIDMIN	CDF_FLOAT	100
VALIDMAX	CDF_FLOAT	3e8
SCALEMIN	CDF_FLOAT	100
SCALEMAX	CDF_FLOAT	3e8
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	He_den
UNITS	CDF_CHAR	m^-3
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	He_den, He density
FILLVAL	CDF_FLOAT	-1.000
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	17-17

(Back to chapter 25)

25.4.19 C_den, C density

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	C density
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1.2e6
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1.2e6
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	C_den
UNITS	CDF_CHAR	mˆ3
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	C_den, C density
FILLVAL	CDF_FLOAT	-1.000
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	18-18

(Back to chapter 25)

25.4.20 N_den, N density

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	N density
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1e6
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1e6
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	N_den
UNITS	CDF_CHAR	mˆ3
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	N_den, N density
FILLVAL	CDF_FLOAT	-1.000
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	19-19

(Back to chapter 25)

25.5 zVariables

No zVariables (Back to chapter 25)

25.6 end

!# server>	client terminated data transfer at 20000619.104539
!# server>	eof cw-2000-170.000.skt

(Back to chapter 25)

Chapter 26

MTOF HK L0 V03

Contents

26.1 header 310
26.2 GLOBALattributes 310
26.3 VARIABLEattributes 311
26.4 variables 312
26.4.1 Epoch, Time TAI 313
26.4.2 EdbCnt, EDB Counter 313
26.4.3 HdbCnt, hdb counter 314
26.4.4 MGrP28V2, +28V secondary 314
26.4.5 MGrP9V, +9V on Gnd 315
26.4.6 MGrP5V, +5V on Gnd 315
26.4.7 MGrM5V, -5V on Gnd 316
26.4.8 MGrM12V, -12V on Gnd 316
26.4.9 PMbafTem, Proton Monitor baffle temperature 317
26.4.10 WEQPSTem, Wave E/Q power supply temperature 317
26.4.11 MGrP28I1, +28V main current 318
26.4.12 MGrP28I2, +28V secondary current 318
26.4.13 MGrP5I, +5V current 319
26.4.14 MGrPmMcp, Proton Monitor MCP Voltage 319
26.4.15 MVfP28V, +28V on Vf 320
26.4.16 MVfP12V, +9V on Vf 320
26.4.17 MVfP6V, +6V on Vf 321
26.4.18 MVfP5V, +5V on Vf 321
26.4.19 MVfM5V, -5V on Vf 322
26.4.20 MVfM12V, -12V on Vf 322
26.4.21 MVfFcwTe, FCW board temperature 323
26.4.22 MVfVTem, V temperature 323
26.4.23 MVfP28I, +28V current on Vf 324
26.4.24 MVfP6I, +6V current on Vf 324
26.4.25 MVfP5I, +5V current on Vf 325
26.4.26 MVfM5I, -5V current on Vf 325
26.4.27 MVfStMcp, Start MCP power supply voltage 326
26.4.28 MVfNtMcp, Neutral MCP Voltage 326
26.4.29 MVfIonMc, Ion MCP Voltage 327
26.4.30 MStatus, MTOF Status 327
26.4.31 HPS, Hyperbola Voltage 328

26.4.32 PmEq, Proton Monitor Deflection 328
26.4.33 WEq, Wave Deflection Voltage 329
26.4.34 Vf, V-MASS float Voltage 329
26.5 zVariables 329
26.6 end 329

26.1 header

CDF NAME:	SO_CEL_MTOF_HK_L0_V03				
DATA ENCODING:	NETWORK				
MAJORITY:	COLUMN				
FORMAT:	SINGLE				
Variables	G.Attributes	V.Attributes	Records	Dims	Sizes
34/0	20	17	0/z	0	

(Back to chapter 26)

26.2 GLOBALattributes

TITLE	1:	CDF_CHAR	MTOF Housekeeping Data
Project	1:	CDF_CHAR	ISTP>International Solar-Terrestrial Physics
Discipline	1:	CDF_CHAR	Solar Physics>Solar Wind
Source_name	1:	CDF_CHAR	SO>Solar Heliospheric Observatory (SOHO)
Descriptor	1:	CDF_CHAR	CEL>Charge, Element and Isotope Analysis System (C
	2:	CDF_CHAR	ELIAS)
Detector	1:	CDF_CHAR	MTOF>Mass Time of Flight
Series_name	1:	CDF_CHAR	HK>Housekeeping
Data_type	1:	CDF_CHAR	L0>Level 0
Logical_source	1:	CDF_CHAR	SO_CEL_MTOF_HK_L0
TEXT	1:	CDF_CHAR	A description of the CELIAS instrument and
	2:	CDF_CHAR	scientific scope can be found on WWW
	3:	CDF_CHAR	at https://www.ieap.uni-kiel.de/et/soho/celias/
	4:	CDF_CHAR	or on the SOHO homepage at
	5:	CDF_CHAR	http://sohowww.nascom.nasa.gov/.
	6:	CDF_CHAR	A written description of CELIAS
	7:	CDF_CHAR	will appear in the special issue of
	8:	CDF_CHAR	Solar Physics dedicated to SOHO.
Data_version	1:	CDF_CHAR	01
MODS	1:	CDF_CHAR	<cwrap!actual_date>
skeleton_version	1:	CDF_CHAR	01
software_version	1:	CDF_CHAR	<cwrap!cwrap_version>
ADID_ref	1:	CDF_CHAR	NSSD0195
PI_name	1:	CDF_CHAR	Robert F. Wimmer-Schweingruber
PI_affiliation	1:	CDF_CHAR	Institut fuer Experimentelle und Angewandte Physik,
	2:	CDF_CHAR	Christian Albrechts Universitaet Kiel,
	3:	CDF_CHAR	Leibnizstr 11,
	4:	CDF_CHAR	24118 Kiel, Germany
Mission_group	1:	CDF_CHAR	SOHO
Instrument_type	1:	CDF_CHAR	Particles (space)
TEXT_supplement	1:	CDF_CHAR	Housekeeping data

(Back to chapter 26)

26.3 VARIABLEattributes

FIELDNAM	
VALIDMIN	
VALIDMAX	
SCALETYP	
SCALEMIN	
SCALEMAX	
UNITS	
LABLAXIS	
FORMAT	
DEPEND_0	
!	DEPEND_1
!	DEPEND_2
!	DEPEND_3
!	DEPEND_4
!	DEPEND_5
MONOTON	
VAR_TYPE	
FILLVAL	
DISPLAY_TYPE	
CATDESC	
COLUMNS	
TIME_FORMAT	

(Back to chapter 26)

26.4 variables

Variable Name	Data Type	Number Elements	Record Variance	Dimension Variances
Epoch	CDF_EPOCH	1	T	
EdbCnt	CDF_INT4	1	T	
HdbCnt	CDF_INT4	1	T	
MGrP28V2	CDF_FLOAT	1	T	
MGrP9V	CDF_FLOAT	1	T	
MGrP5V	CDF_FLOAT	1	T	
MGrM5V	CDF_FLOAT	1	T	
MGrM12V	CDF_FLOAT	1	T	
PMbafTem	CDF_FLOAT	1	T	
WEQPSTem	CDF_FLOAT	1	T	
MGrP28I1	CDF_INT2	1	T	
MGrP28I2	CDF_FLOAT	1	T	
MGrP5I	CDF_INT2	1	T	
MGrPmMcp	CDF_FLOAT	1	T	
MVfP28V	CDF_FLOAT	1	T	
MVfP12V	CDF_FLOAT	1	T	
MVfP6V	CDF_FLOAT	1	T	
MVfP5V	CDF_FLOAT	1	T	
MVfM5V	CDF_FLOAT	1	T	
MVfM12V	CDF_FLOAT	1	T	
MVfFcwTem	CDF_FLOAT	1	T	
MVfVTem	CDF_FLOAT	1	T	
MVfP28I	CDF_FLOAT	1	T	
MVfP6I	CDF_INT2	1	T	
MVfP5I	CDF_INT2	1	T	
MVfM5I	CDF_INT2	1	T	
MVfStMcp	CDF_FLOAT	1	T	
MVfNtMcp	CDF_FLOAT	1	T	
MVfIonMcp	CDF_FLOAT	1	T	
MStatus	CDF_INT4	1	T	
HPS	CDF_FLOAT	1	T	
PmEq	CDF_FLOAT	1	T	
WEq	CDF_FLOAT	1	T	
Vf	CDF_FLOAT	1	T	

(Back to chapter 26)

26.4.1 Epoch, Time TAI

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Time TAI
VALIDMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
VALIDMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALEMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
SCALEMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Epoch
UNITS	CDF_CHAR	ms
VAR_TYPE	CDF_CHAR	support_data
CATDESC	CDF_CHAR	Epoch, Time TAI
FILLVAL	CDF_EPOCH	31-Dec-9999 23:59:59.999
DISPLAY_TYPE	CDF_CHAR	time_series
MONOTON	CDF_CHAR	INCREASE
TIME_FORMAT	CDF_CHAR	sec70base
COLUMNS	CDF_CHAR	0-0

(Back to chapter 26)

26.4.2 EdbCnt, EDB Counter

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	edb counter
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	2000000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	2000000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	EdbCnt
UNITS	CDF_CHAR	1
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	EdbCnt, EDB Counter
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	1-1

(Back to chapter 26)

26.4.3 HdbCnt, hdb counter

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	hdb counter
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	2000000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	2000000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	HdbCnt
UNITS	CDF_CHAR	1
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	HdbCnt, hdb counter
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	2-2

(Back to chapter 26)

26.4.4 MGrP28V2, +28V secondary

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	+28V secondary
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	40
SCALEMIN	CDF_FLOAT	24
SCALEMAX	CDF_FLOAT	32
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MGrP28V2
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MGrP28V2, +28V secondary
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	3-3

(Back to chapter 26)

26.4.5 MGrP9V, +9V on Gnd

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	+9V on Gnd
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	12
SCALEMIN	CDF_FLOAT	8
SCALEMAX	CDF_FLOAT	10
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MGrP9V
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MGrP9V, +9V on Gnd
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	4-4

(Back to chapter 26)

26.4.6 MGrP5V, +5V on Gnd

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	+5V on Gnd
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	12
SCALEMIN	CDF_FLOAT	4
SCALEMAX	CDF_FLOAT	6
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MGrP5V
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MGrP5V, +5V on Gnd
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	5-5

(Back to chapter 26)

26.4.7 MGrM5V, -5V on Gnd

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	-5V on Gnd
VALIDMIN	CDF_FLOAT	-12
VALIDMAX	CDF_FLOAT	0
SCALEMIN	CDF_FLOAT	-6
SCALEMAX	CDF_FLOAT	-4
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MGrM5V
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MGrM5V, -5V on Gnd
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	6-6

(Back to chapter 26)

26.4.8 MGrM12V, -12V on Gnd

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	-12V on Gnd
VALIDMIN	CDF_FLOAT	-24
VALIDMAX	CDF_FLOAT	0
SCALEMIN	CDF_FLOAT	-14
SCALEMAX	CDF_FLOAT	-10
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MGrM12V
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MGrM12V, -12V on Gnd
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	7-7

(Back to chapter 26)

26.4.9 PMbafTem, Proton Monitor baffle temperature

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Proton Monitor baffle temperature
VALIDMIN	CDF_FLOAT	-50
VALIDMAX	CDF_FLOAT	100
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	20
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PMbafTem
UNITS	CDF_CHAR	deg C
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PMbafTem, Proton Monitor baffle temperature
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	8-8

(Back to chapter 26)

26.4.10 WEQPSTem, Wave E/Q power supply temperature

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Wave E/Q power supply temperature
VALIDMIN	CDF_FLOAT	-50
VALIDMAX	CDF_FLOAT	100
SCALEMIN	CDF_FLOAT	-10
SCALEMAX	CDF_FLOAT	20
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	WEQPSTem
UNITS	CDF_CHAR	deg C
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	WEQPSTem, Wave E/Q power supply temperature
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	9-9

(Back to chapter 26)

26.4.11 MGrP28I1, +28V main current

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	+28V main current
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	500
SCALEMIN	CDF_INT2	180
SCALEMAX	CDF_INT2	250
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MGrP28I1
UNITS	CDF_CHAR	mA
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MGrP28I1, +28V main current
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	10-10

(Back to chapter 26)

26.4.12 MGrP28I2, +28V secondary current

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	+28V secondary current
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	100
SCALEMIN	CDF_FLOAT	25
SCALEMAX	CDF_FLOAT	40
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MGrP28I2
UNITS	CDF_CHAR	mA
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MGrP28I2, +28V secondary current
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	11-11

(Back to chapter 26)

26.4.13 MGrP5I, +5V current

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	+5V current
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	500
SCALEMIN	CDF_INT2	70
SCALEMAX	CDF_INT2	90
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MGrP5I
UNITS	CDF_CHAR	mA
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MGrP5I, +5V current
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	12-12

(Back to chapter 26)

26.4.14 MGrPmMcp, Proton Monitor MCP Voltage

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Proton Monitor MCP Voltage
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	4.0
SCALEMIN	CDF_FLOAT	1.8
SCALEMAX	CDF_FLOAT	2.3
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MGrPmMcp
UNITS	CDF_CHAR	kV
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MGrPmMcp, Proton Monitor MCP Voltage
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	13-13

(Back to chapter 26)

26.4.15 MVfP28V, +28V on Vf

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	+28V on Vf
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	40
SCALEMIN	CDF_FLOAT	24
SCALEMAX	CDF_FLOAT	32
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MVfP28V
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MVfP28V, +28V on Vf
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	14-14

(Back to chapter 26)

26.4.16 MVfP12V, +9V on Vf

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	+9V on Vf
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	12
SCALEMIN	CDF_FLOAT	8
SCALEMAX	CDF_FLOAT	10
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MVfP12V
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MVfP12V, +9V on Vf
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	15-15

(Back to chapter 26)

26.4.17 MVfP6V, +6V on Vf

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	+6V on Vf
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	12
SCALEMIN	CDF_FLOAT	5
SCALEMAX	CDF_FLOAT	7
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MVfP6V
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MVfP6V, +6V on Vf
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	16-16

(Back to chapter 26)

26.4.18 MVfP5V, +5V on Vf

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	+5V on Vf
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	12
SCALEMIN	CDF_FLOAT	4
SCALEMAX	CDF_FLOAT	6
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MVfP5V
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MVfP5V, +5V on Vf
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	17-17

(Back to chapter 26)

26.4.19 MVfM5V, -5V on Vf

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	-5V on Vf
VALIDMIN	CDF_FLOAT	-12
VALIDMAX	CDF_FLOAT	0
SCALEMIN	CDF_FLOAT	-6
SCALEMAX	CDF_FLOAT	-4
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MVfM5V
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MVfM5V, -5V on Vf
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	18-18

(Back to chapter 26)

26.4.20 MVfM12V, -12V on Vf

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	-12V on Vf
VALIDMIN	CDF_FLOAT	-24
VALIDMAX	CDF_FLOAT	0
SCALEMIN	CDF_FLOAT	-14
SCALEMAX	CDF_FLOAT	-10
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MVfM12V
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MVfM12V, -12V on Vf
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	19-19

(Back to chapter 26)

26.4.21 MVfFcwTe, FCW board temperature

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	FCW board temperature
VALIDMIN	CDF_FLOAT	-50
VALIDMAX	CDF_FLOAT	100
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	20
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MVfFcwTe
UNITS	CDF_CHAR	deg C
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MVfFcwTe, FCW board temperature
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	20-20

(Back to chapter 26)

26.4.22 MVfVTem, V temperature

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	V temperature
VALIDMIN	CDF_FLOAT	-50
VALIDMAX	CDF_FLOAT	100
SCALEMIN	CDF_FLOAT	-10
SCALEMAX	CDF_FLOAT	+10
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MVfVTem
UNITS	CDF_CHAR	deg C
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MVfVTem, V temperature
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	21-21

(Back to chapter 26)

26.4.23 MVfP28I, +28V current on Vf

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	+28V current on Vf
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	50
SCALEMIN	CDF_FLOAT	10
SCALEMAX	CDF_FLOAT	30
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MVfP28I
UNITS	CDF_CHAR	mA
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MVfP28I, +28V current on Vf
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	22-22

(Back to chapter 26)

26.4.24 MVfP6I, +6V current on Vf

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	+6V current on Vf
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	50
SCALEMIN	CDF_INT2	30
SCALEMAX	CDF_INT2	40
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MVfP6I
UNITS	CDF_CHAR	mA
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MVfP6I, +6V current on Vf
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	23-23

(Back to chapter 26)

26.4.25 MVfP5I, +5V current on Vf

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	+5V current on Vf
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	500
SCALEMIN	CDF_INT2	50
SCALEMAX	CDF_INT2	150
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MVfP5I
UNITS	CDF_CHAR	mA
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MVfP5I, +5V current on Vf
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	24-24

(Back to chapter 26)

26.4.26 MVfM5I, -5V current on Vf

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	-5V current on Vf
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	500
SCALEMIN	CDF_INT2	100
SCALEMAX	CDF_INT2	200
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MVfM5I
UNITS	CDF_CHAR	mA
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MVfM5I, -5V current on Vf
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	25-25

(Back to chapter 26)

26.4.27 MVfStMcp, Start MCP power supply voltage

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Start MCP power supply voltage
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	20.0
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	10.0
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MVfStMcp
UNITS	CDF_CHAR	kV
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MVfStMcp, Start MCP power supply voltage
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	26-26

(Back to chapter 26)

26.4.28 MVfNtMcp, Neutral MCP Voltage

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Neutral MCP Voltage
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	4.0
SCALEMIN	CDF_FLOAT	1.5
SCALEMAX	CDF_FLOAT	2.0
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MVfNtMcp
UNITS	CDF_CHAR	kV
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MVfNtMcp, Neutral MCP Voltage
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	27-27

(Back to chapter 26)

26.4.29 MVfIonMc, Ion MCP Voltage

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Ion MCP Voltage
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	4.0
SCALEMIN	CDF_FLOAT	1.5
SCALEMAX	CDF_FLOAT	2.5
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MVfIonMc
UNITS	CDF_CHAR	kV
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MVfIonMc, Ion MCP Voltage
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	28-28

(Back to chapter 26)

26.4.30 MStatus, MTOF Status

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	MTOF Status
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	11111111
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	11111111
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MStatus
UNITS	CDF_CHAR	1
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MStatus, MTOF Status
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	29-29

(Back to chapter 26)

26.4.31 HPS, Hyperbola Voltage

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Hyperbola Voltage
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	30
SCALEMIN	CDF_FLOAT	15
SCALEMAX	CDF_FLOAT	23
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	HPS
UNITS	CDF_CHAR	kV
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	HPS, Hyperbola Voltage
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	30-30

(Back to chapter 26)

26.4.32 PmEq, Proton Monitor Deflection

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Proton Monitor Deflection
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	4.0
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	4.0
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PmEq
UNITS	CDF_CHAR	kV
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PmEq, Proton Monitor Deflection
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	31-31

(Back to chapter 26)

26.4.33 WEq, Wave Deflection Voltage

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Wave Deflection Voltage
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	15.0
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	15.0
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	WEq
UNITS	CDF_CHAR	kV
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	WEq, Wave Deflection Voltage
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	32-32

(Back to chapter 26)

26.4.34 Vf, V-MASS float Voltage

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	V-MASS float Voltage
VALIDMIN	CDF_FLOAT	-3.0
VALIDMAX	CDF_FLOAT	3.0
SCALEMIN	CDF_FLOAT	-3.0
SCALEMAX	CDF_FLOAT	3.0
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Vf
UNITS	CDF_CHAR	kV
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	Vf, V-MASS float Voltage
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	33-33

(Back to chapter 26)

26.5 zVariables

No zVariables (Back to chapter 26)

26.6 end

!# server>	client terminated data transfer at 19990927.123054
!# server>	eof cw-19990927.123050.skt

(Back to chapter 26)

Chapter 27

MTOF HK LA V03

Contents

27.1 header 332
27.2 GLOBALattributes 332
27.3 VARIABLEattributes 333
27.4 variables 334
27.4.1 Epoch, Time TAI 335
27.4.2 EdbCnt, EDB Counter 335
27.4.3 HdbCnt, hdb counter 336
27.4.4 MGrP28V2, +28V secondary 336
27.4.5 MGrP9V, +9V on Gnd 337
27.4.6 MGrP5V, +5V on Gnd 337
27.4.7 MGrM5V, -5V on Gnd 338
27.4.8 MGrM12V, -12V on Gnd 338
27.4.9 PMbafTem, Proton Monitor baffle temperature 339
27.4.10 WEQPSTem, Wave E/Q power supply temperature 339
27.4.11 MGrP28I1, +28V main current 340
27.4.12 MGrP28I2, +28V secondary current 340
27.4.13 MGrP5I, +5V current 341
27.4.14 MGrPmMcp, Proton Monitor MCP Voltage 341
27.4.15 MVfP28V, +28V on Vf 342
27.4.16 MVfP12V, +9V on Vf 342
27.4.17 MVfP6V, +6V on Vf 343
27.4.18 MVfP5V, +5V on Vf 343
27.4.19 MVfM5V, -5V on Vf 344
27.4.20 MVfM12V, -12V on Vf 344
27.4.21 MVfFcwTe, FCW board temperature 345
27.4.22 MVfVTem, V temperature 345
27.4.23 MVfP28I, +28V current on Vf 346
27.4.24 MVfP6I, +6V current on Vf 346
27.4.25 MVfP5I, +5V current on Vf 347
27.4.26 MVfM5I, -5V current on Vf 347
27.4.27 MVfStMcp, Start MCP power supply voltage 348
27.4.28 MVfNtMcp, Neutral MCP Voltage 348
27.4.29 MVfIonMc, Ion MCP Voltage 349
27.4.30 MStatus, MTOF Status 349
27.4.31 HPS, Hyperbola Voltage 350

27.4.32 PmEq, Proton Monitor Deflection 350
27.4.33 WEq, Wave Deflection Voltage 351
27.4.34 Vf, V-MASS float Voltage 351
27.5 zVariables 351
27.6 end 351

27.1 header

CDF NAME:	SO_CEL_MTOF_HK_LA_V02				
DATA ENCODING:	NETWORK				
MAJORITY:	COLUMN				
FORMAT:	SINGLE				
Variables	G.Attributes	V.Attributes	Records	Dims	Sizes
34/0	20	17	0/z	0	

(Back to chapter 27)

27.2 GLOBALattributes

TITLE	1:	CDF_CHAR	MTOF Housekeeping Data
Project	1:	CDF_CHAR	ISTP>International Solar-Terrestrial Physics
Discipline	1:	CDF_CHAR	Solar Physics>Solar Wind
Source_name	1:	CDF_CHAR	SO>Solar Heliospheric Observatory (SOHO)
Descriptor	1:	CDF_CHAR	CEL>Charge, Element and Isotope Analysis System (C
	2:	CDF_CHAR	ELIAS)
Detector	1:	CDF_CHAR	MTOF>Mass Time of Flight
Series_name	1:	CDF_CHAR	HK>Housekeeping
Data_type	1:	CDF_CHAR	LA>Level ASCII
Logical_source	1:	CDF_CHAR	SO_CEL_MTOF_HK_LA
TEXT	1:	CDF_CHAR	A description of the CELIAS instrument and
	2:	CDF_CHAR	scientific scope can be found on WWW
	3:	CDF_CHAR	at https://www.ieap.uni-kiel.de/et/soho/celias/
	4:	CDF_CHAR	or on the SOHO homepage at
	5:	CDF_CHAR	http://sohowww.nascom.nasa.gov/.
	6:	CDF_CHAR	A written description of CELIAS
	7:	CDF_CHAR	will appear in the special issue of
	8:	CDF_CHAR	Solar Physics dedicated to SOHO.
Data_version	1:	CDF_CHAR	01
MODS	1:	CDF_CHAR	<cwrap!actual_date>
skeleton_version	1:	CDF_CHAR	01
software_version	1:	CDF_CHAR	<cwrap!cwrap_version>
ADID_ref	1:	CDF_CHAR	NSSD0195
PI_name	1:	CDF_CHAR	Robert F. Wimmer-Schweingruber
PI_affiliation	1:	CDF_CHAR	Institut fuer Experimentelle und Angewandte Physik,
	2:	CDF_CHAR	Christian Albrechts Universitaet Kiel,
	3:	CDF_CHAR	Leibnizstr 11,
	4:	CDF_CHAR	24118 Kiel, Germany
Mission_group	1:	CDF_CHAR	SOHO
Instrument_type	1:	CDF_CHAR	Particles (space)
TEXT_supplement	1:	CDF_CHAR	Housekeeping data

(Back to chapter 27)

27.3 VARIABLEattributes

FIELDNAM	
VALIDMIN	
VALIDMAX	
SCALETYP	
SCALEMIN	
SCALEMAX	
UNITS	
LABLAXIS	
FORMAT	
DEPEND_0	
!	DEPEND_1
!	DEPEND_2
!	DEPEND_3
!	DEPEND_4
!	DEPEND_5
MONOTON	
VAR_TYPE	
FILLVAL	
DISPLAY_TYPE	
CATDESC	
COLUMNS	
TIME_FORMAT	

(Back to chapter 27)

27.4 variables

Variable Name	Data Type	Number Elements	Record Variance	Dimension Variances
Epoch	CDF_EPOCH	1	T	
EdbCnt	CDF_INT4	1	T	
HdbCnt	CDF_INT4	1	T	
MGrP28V2	CDF_FLOAT	1	T	
MGrP9V	CDF_FLOAT	1	T	
MGrP5V	CDF_FLOAT	1	T	
MGrM5V	CDF_FLOAT	1	T	
MGrM12V	CDF_FLOAT	1	T	
PMbafTem	CDF_FLOAT	1	T	
WEQPSTem	CDF_FLOAT	1	T	
MGrP28I1	CDF_INT2	1	T	
MGrP28I2	CDF_FLOAT	1	T	
MGrP5I	CDF_INT2	1	T	
MGrPmMcp	CDF_FLOAT	1	T	
MVfP28V	CDF_FLOAT	1	T	
MVfP12V	CDF_FLOAT	1	T	
MVfP6V	CDF_FLOAT	1	T	
MVfP5V	CDF_FLOAT	1	T	
MVfM5V	CDF_FLOAT	1	T	
MVfM12V	CDF_FLOAT	1	T	
MVfFcwTem	CDF_FLOAT	1	T	
MVfVTem	CDF_FLOAT	1	T	
MVfP28I	CDF_FLOAT	1	T	
MVfP6I	CDF_INT2	1	T	
MVfP5I	CDF_INT2	1	T	
MVfM5I	CDF_INT2	1	T	
MVfStMcp	CDF_FLOAT	1	T	
MVfNtMcp	CDF_FLOAT	1	T	
MVfIonMcp	CDF_FLOAT	1	T	
MStatus	CDF_INT4	1	T	
HPS	CDF_FLOAT	1	T	
PmEq	CDF_FLOAT	1	T	
WEq	CDF_FLOAT	1	T	
Vf	CDF_FLOAT	1	T	

(Back to chapter 27)

27.4.1 Epoch, Time TAI

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Time TAI
VALIDMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
VALIDMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALEMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
SCALEMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Epoch
UNITS	CDF_CHAR	ms
VAR_TYPE	CDF_CHAR	support_data
CATDESC	CDF_CHAR	Epoch, Time TAI
FILLVAL	CDF_EPOCH	31-Dec-9999 23:59:59.999
DISPLAY_TYPE	CDF_CHAR	time_series
MONOTON	CDF_CHAR	INCREASE
TIME_FORMAT	CDF_CHAR	sec70base
COLUMNS	CDF_CHAR	0-0

(Back to chapter 27)

27.4.2 EdbCnt, EDB Counter

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	edb counter
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	2000000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	2000000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	EdbCnt
UNITS	CDF_CHAR	1
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	EdbCnt, EDB Counter
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	1-1

(Back to chapter 27)

27.4.3 HdbCnt, hdb counter

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	hdb counter
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	2000000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	2000000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	HdbCnt
UNITS	CDF_CHAR	1
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	HdbCnt, hdb counter
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	2-2

(Back to chapter 27)

27.4.4 MGrP28V2, +28V secondary

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	+28V secondary
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	40
SCALEMIN	CDF_FLOAT	24
SCALEMAX	CDF_FLOAT	32
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MGrP28V2
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MGrP28V2, +28V secondary
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	3-3

(Back to chapter 27)

27.4.5 MGrP9V, +9V on Gnd

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	+9V on Gnd
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	12
SCALEMIN	CDF_FLOAT	8
SCALEMAX	CDF_FLOAT	10
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MGrP9V
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MGrP9V, +9V on Gnd
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	4-4

(Back to chapter 27)

27.4.6 MGrP5V, +5V on Gnd

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	+5V on Gnd
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	12
SCALEMIN	CDF_FLOAT	4
SCALEMAX	CDF_FLOAT	6
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MGrP5V
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MGrP5V, +5V on Gnd
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	5-5

(Back to chapter 27)

27.4.7 MGrM5V, -5V on Gnd

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	-5V on Gnd
VALIDMIN	CDF_FLOAT	-12
VALIDMAX	CDF_FLOAT	0
SCALEMIN	CDF_FLOAT	-6
SCALEMAX	CDF_FLOAT	-4
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MGrM5V
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MGrM5V, -5V on Gnd
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	6-6

(Back to chapter 27)

27.4.8 MGrM12V, -12V on Gnd

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	-12V on Gnd
VALIDMIN	CDF_FLOAT	-24
VALIDMAX	CDF_FLOAT	0
SCALEMIN	CDF_FLOAT	-14
SCALEMAX	CDF_FLOAT	-10
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MGrM12V
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MGrM12V, -12V on Gnd
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	7-7

(Back to chapter 27)

27.4.9 PMbafTem, Proton Monitor baffle temperature

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Proton Monitor baffle temperature
VALIDMIN	CDF_FLOAT	-50
VALIDMAX	CDF_FLOAT	100
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	20
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PMbafTem
UNITS	CDF_CHAR	deg C
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PMbafTem, Proton Monitor baffle temperature
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	8-8

(Back to chapter 27)

27.4.10 WEQPSTem, Wave E/Q power supply temperature

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Wave E/Q power supply temperature
VALIDMIN	CDF_FLOAT	-50
VALIDMAX	CDF_FLOAT	100
SCALEMIN	CDF_FLOAT	-10
SCALEMAX	CDF_FLOAT	20
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	WEQPSTem
UNITS	CDF_CHAR	deg C
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	WEQPSTem, Wave E/Q power supply temperature
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	9-9

(Back to chapter 27)

27.4.11 MGrP28I1, +28V main current

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	+28V main current
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	500
SCALEMIN	CDF_INT2	180
SCALEMAX	CDF_INT2	250
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MGrP28I1
UNITS	CDF_CHAR	mA
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MGrP28I1, +28V main current
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	10-10

(Back to chapter 27)

27.4.12 MGrP28I2, +28V secondary current

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	+28V secondary current
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	100
SCALEMIN	CDF_FLOAT	25
SCALEMAX	CDF_FLOAT	40
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MGrP28I2
UNITS	CDF_CHAR	mA
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MGrP28I2, +28V secondary current
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	11-11

(Back to chapter 27)

27.4.13 MGrP5I, +5V current

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	+5V current
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	500
SCALEMIN	CDF_INT2	70
SCALEMAX	CDF_INT2	90
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MGrP5I
UNITS	CDF_CHAR	mA
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MGrP5I, +5V current
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	12-12

(Back to chapter 27)

27.4.14 MGrPmMcp, Proton Monitor MCP Voltage

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Proton Monitor MCP Voltage
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	4.0
SCALEMIN	CDF_FLOAT	1.8
SCALEMAX	CDF_FLOAT	2.3
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MGrPmMcp
UNITS	CDF_CHAR	kV
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MGrPmMcp, Proton Monitor MCP Voltage
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	13-13

(Back to chapter 27)

27.4.15 MVfP28V, +28V on Vf

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	+28V on Vf
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	40
SCALEMIN	CDF_FLOAT	24
SCALEMAX	CDF_FLOAT	32
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MVfP28V
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MVfP28V, +28V on Vf
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	14-14

(Back to chapter 27)

27.4.16 MVfP12V, +9V on Vf

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	+9V on Vf
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	12
SCALEMIN	CDF_FLOAT	8
SCALEMAX	CDF_FLOAT	10
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MVfP12V
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MVfP12V, +9V on Vf
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	15-15

(Back to chapter 27)

27.4.17 MVfP6V, +6V on Vf

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	+6V on Vf
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	12
SCALEMIN	CDF_FLOAT	5
SCALEMAX	CDF_FLOAT	7
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MVfP6V
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MVfP6V, +6V on Vf
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	16-16

(Back to chapter 27)

27.4.18 MVfP5V, +5V on Vf

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	+5V on Vf
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	12
SCALEMIN	CDF_FLOAT	4
SCALEMAX	CDF_FLOAT	6
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MVfP5V
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MVfP5V, +5V on Vf
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	17-17

(Back to chapter 27)

27.4.19 MVfM5V, -5V on Vf

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	-5V on Vf
VALIDMIN	CDF_FLOAT	-12
VALIDMAX	CDF_FLOAT	0
SCALEMIN	CDF_FLOAT	-6
SCALEMAX	CDF_FLOAT	-4
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MVfM5V
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MVfM5V, -5V on Vf
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	18-18

(Back to chapter 27)

27.4.20 MVfM12V, -12V on Vf

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	-12V on Vf
VALIDMIN	CDF_FLOAT	-24
VALIDMAX	CDF_FLOAT	0
SCALEMIN	CDF_FLOAT	-14
SCALEMAX	CDF_FLOAT	-10
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MVfM12V
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MVfM12V, -12V on Vf
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	19-19

(Back to chapter 27)

27.4.21 MVfFcwTe, FCW board temperature

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	FCW board temperature
VALIDMIN	CDF_FLOAT	-50
VALIDMAX	CDF_FLOAT	100
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	20
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MVfFcwTe
UNITS	CDF_CHAR	deg C
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MVfFcwTe, FCW board temperature
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	20-20

(Back to chapter 27)

27.4.22 MVfVTem, V temperature

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	V temperature
VALIDMIN	CDF_FLOAT	-50
VALIDMAX	CDF_FLOAT	100
SCALEMIN	CDF_FLOAT	-10
SCALEMAX	CDF_FLOAT	+10
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MVfVTem
UNITS	CDF_CHAR	deg C
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MVfVTem, V temperature
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	21-21

(Back to chapter 27)

27.4.23 MVfP28I, +28V current on Vf

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	+28V current on Vf
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	50
SCALEMIN	CDF_FLOAT	10
SCALEMAX	CDF_FLOAT	30
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MVfP28I
UNITS	CDF_CHAR	mA
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MVfP28I, +28V current on Vf
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	22-22

(Back to chapter 27)

27.4.24 MVfP6I, +6V current on Vf

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	+6V current on Vf
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	50
SCALEMIN	CDF_INT2	30
SCALEMAX	CDF_INT2	40
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MVfP6I
UNITS	CDF_CHAR	mA
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MVfP6I, +6V current on Vf
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	23-23

(Back to chapter 27)

27.4.25 MVfP5I, +5V current on Vf

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	+5V current on Vf
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	500
SCALEMIN	CDF_INT2	50
SCALEMAX	CDF_INT2	150
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MVfP5I
UNITS	CDF_CHAR	mA
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MVfP5I, +5V current on Vf
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	24-24

(Back to chapter 27)

27.4.26 MVfM5I, -5V current on Vf

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	-5V current on Vf
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	500
SCALEMIN	CDF_INT2	100
SCALEMAX	CDF_INT2	200
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MVfM5I
UNITS	CDF_CHAR	mA
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MVfM5I, -5V current on Vf
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	25-25

(Back to chapter 27)

27.4.27 MVfStMcp, Start MCP power supply voltage

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Start MCP power supply voltage
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	20.0
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	10.0
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MVfStMcp
UNITS	CDF_CHAR	kV
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MVfStMcp, Start MCP power supply voltage
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	26-26

(Back to chapter 27)

27.4.28 MVfNtMcp, Neutral MCP Voltage

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Neutral MCP Voltage
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	4.0
SCALEMIN	CDF_FLOAT	1.5
SCALEMAX	CDF_FLOAT	2.0
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MVfNtMcp
UNITS	CDF_CHAR	kV
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MVfNtMcp, Neutral MCP Voltage
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	27-27

(Back to chapter 27)

27.4.29 MVfIonMc, Ion MCP Voltage

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Ion MCP Voltage
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	4.0
SCALEMIN	CDF_FLOAT	1.5
SCALEMAX	CDF_FLOAT	2.5
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MVfIonMc
UNITS	CDF_CHAR	kV
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MVfIonMc, Ion MCP Voltage
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	28-28

(Back to chapter 27)

27.4.30 MStatus, MTOF Status

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	MTOF Status
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	11111111
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	11111111
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MStatus
UNITS	CDF_CHAR	1
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MStatus, MTOF Status
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	29-29

(Back to chapter 27)

27.4.31 HPS, Hyperbola Voltage

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Hyperbola Voltage
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	30
SCALEMIN	CDF_FLOAT	15
SCALEMAX	CDF_FLOAT	23
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	HPS
UNITS	CDF_CHAR	kV
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	HPS, Hyperbola Voltage
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	30-30

(Back to chapter 27)

27.4.32 PmEq, Proton Monitor Deflection

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Proton Monitor Deflection
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	4.0
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	4.0
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PmEq
UNITS	CDF_CHAR	kV
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PmEq, Proton Monitor Deflection
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	31-31

(Back to chapter 27)

27.4.33 WEq, Wave Deflection Voltage

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Wave Deflection Voltage
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	15.0
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	15.0
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	WEq
UNITS	CDF_CHAR	kV
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	WEq, Wave Deflection Voltage
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	32-32

(Back to chapter 27)

27.4.34 Vf, V-MASS float Voltage

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	V-MASS float Voltage
VALIDMIN	CDF_FLOAT	-3.0
VALIDMAX	CDF_FLOAT	3.0
SCALEMIN	CDF_FLOAT	-3.0
SCALEMAX	CDF_FLOAT	3.0
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Vf
UNITS	CDF_CHAR	kV
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	Vf, V-MASS float Voltage
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	33-33

(Back to chapter 27)

27.5 zVariables

No zVariables (Back to chapter 27)

27.6 end

!# server>	client terminated data transfer at 19990927.123054
!# server>	eof cw-19990927.123050.skt

(Back to chapter 27)

Chapter 28

MTOF PHA L0 V03

Contents

28.1 header 353

28.2 GLOBALattributes 354

28.3 VARIABLEattributes 355

28.4 variables 355

28.4.1 Epoch, Time TAI 356

28.4.2 ID, Neutral/Ion identification 356

28.4.3 StAmp, start amplitude 357

28.4.4 K1, Position anode signal 357

28.4.5 K2, Position anode signal 358

28.4.6 TOF, time of flight 358

28.4.7 WCnt, Instrument cycle Wave Record Counter 359

28.5 zVariables 359

28.6 end 359

28.1 header

CDF NAME:	SO_CEL_MTOF_PHA_L0_V03				
DATA ENCODING:	NETWORK				
MAJORITY:	COLUMN				
FORMAT:	SINGLE				
Variables	G.Attributes	V.Attributes	Records	Dims	Sizes
7/0	21	17	0/z	0	

(Back to chapter 28)

28.2 GLOBALattributes

TITLE	1:	CDF_CHAR	MTOF PHA
Project	1:	CDF_CHAR	ISTP>International Solar-Terrestrial Physics
Discipline	1:	CDF_CHAR	Solar Physics>Solar Wind
Source_name	1:	CDF_CHAR	SO>Solar Heliospheric Observatory (SOHO)
Descriptor	1:	CDF_CHAR	CEL>Charge, Element and Isotope Analysis System (C
	2:	CDF_CHAR	ELIAS)
Detector	1:	CDF_CHAR	MTOF>Mass Time of Flight
Series_name	1:	CDF_CHAR	PHA>Pulse Height Analyzer
Data_type	1:	CDF_CHAR	L0>Level 0
Logical_source	1:	CDF_CHAR	SO_CEL_MTOF_PHA_L0
TEXT	1:	CDF_CHAR	A description of the CELIAS instrument and
	2:	CDF_CHAR	scientific scope can be found on WWW
	3:	CDF_CHAR	at https://www.ieap.uni-kiel.de/et/soho/celias/
	4:	CDF_CHAR	or on the SOHO homepage at
	5:	CDF_CHAR	http://sohowww.nascom.nasa.gov/.
	6:	CDF_CHAR	A written description of CELIAS
	7:	CDF_CHAR	will appear in the special issue of
	8:	CDF_CHAR	Solar Physics dedicated to SOHO.
Data_version	1:	CDF_CHAR	01
MODS	1:	CDF_CHAR	<cwrap!actual_date>
skeleton_version	1:	CDF_CHAR	01
software_version	1:	CDF_CHAR	<cwrap!cwrap_version>
ADID_ref	1:	CDF_CHAR	NSSD0195
PI_name	1:	CDF_CHAR	Robert F. Wimmer-Schweingruber
PI_affiliation	1:	CDF_CHAR	Institut fuer Experimentelle und Angewandte Physik,
	2:	CDF_CHAR	Christian Albrechts Universitaet Kiel,
	3:	CDF_CHAR	Leibnizstr 11,
	4:	CDF_CHAR	24118 Kiel, Germany
Mission_group	1:	CDF_CHAR	SOHO
Instrument_type	1:	CDF_CHAR	Particles (space)
TEXT_supplement	1:	CDF_CHAR	MTOF Pules Height Data, ultimate resolution in TOF
TEXT_FOR_UOB	1:	CDF_CHAR	fred ipavitch

(Back to chapter 28)

28.3 VARIABLEattributes

FIELDNAM	
VALIDMIN	
VALIDMAX	
SCALETYP	
SCALEMIN	
SCALEMAX	
UNITS	
LABLAXIS	
FORMAT	
DEPEND_0	
!	DEPEND_1
!	DEPEND_2
!	DEPEND_3
!	DEPEND_4
!	DEPEND_5
MONOTON	
VAR_TYPE	
FILLVAL	
DISPLAY_TYPE	
CATDESC	
COLUMNS	
TIME_FORMAT	

(Back to chapter 28)

28.4 variables

Variable Name	Data Type	Number Elements	Record Variance	Dimension Variances
Epoch	CDF_EPOCH	1	T	
ID	CDF_UINT1	1	T	
StAmp	CDF_INT2	1	T	
K1	CDF_INT2	1	T	
K2	CDF_INT2	1	T	
TOF	CDF_INT2	1	T	
WCnt	CDF_INT2	1	T	

(Back to chapter 28)

28.4.1 Epoch, Time TAI

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Time TAI
VALIDMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
VALIDMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALEMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
SCALEMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Epoch
UNITS	CDF_CHAR	ms
VAR_TYPE	CDF_CHAR	support_data
CATDESC	CDF_CHAR	Epoch, Time TAI
FILLVAL	CDF_EPOCH	31-Dec-9999 23:59:59.999
DISPLAY_TYPE	CDF_CHAR	time_series
MONOTON	CDF_CHAR	INCREASE
TIME_FORMAT	CDF_CHAR	sec70base
COLUMNS	CDF_CHAR	0-0

(Back to chapter 28)

28.4.2 ID, Neutral/Ion identification

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Neutral/Ion identification
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	3
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	3
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	ID
UNITS	CDF_CHAR	none
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	ID, Neutral/Ion identification
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	1-1

(Back to chapter 28)

28.4.3 StAmp, start amplitude

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	start amplitude
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	1023
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	1023
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	StAmp
UNITS	CDF_CHAR	none
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	StAmp, start amplitude
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	2-2

(Back to chapter 28)

28.4.4 K1, Position anode signal

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position anode signal
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	4095
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	4095
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	K1
UNITS	CDF_CHAR	none
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	K1, Position anode signal
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	3-3

(Back to chapter 28)

28.4.5 K2, Position anode signal

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position anode signal
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	4095
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	4095
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	K2
UNITS	CDF_CHAR	none
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	K2, Position anode signal
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	4-4

(Back to chapter 28)

28.4.6 TOF, time of flight

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	time of flight
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	4095
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	4095
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	TOF
UNITS	CDF_CHAR	none
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	TOF, time of flight
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	5-5

(Back to chapter 28)

28.4.7 WCnt, Instrument cycle Wave Record Counter

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Instrument cycle Wave Record Counter
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	11
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	11
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	WCnt
UNITS	CDF_CHAR	none
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	WCnt, Instrument cycle Wave Record Counter
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	6-6

(Back to chapter 28)

28.5 zVariables

No zVariables (Back to chapter 28)

28.6 end

!# server>	client terminated data transfer at 19991013.175111
!# server>	eof cw-19991013.175110.skt

(Back to chapter 28)

Chapter 29

MTOF PHA LA V03

Contents

29.1 header 361

29.2 GLOBALattributes 362

29.3 VARIABLEattributes 363

29.4 variables 363

29.4.1 Epoch, Time TAI 364

29.4.2 ID, Neutral/Ion identification 364

29.4.3 StAmp, start amplitude 365

29.4.4 K1, Position anode signal 365

29.4.5 K2, Position anode signal 366

29.4.6 TOF, time of flight 366

29.4.7 WCnt, Instrument cycle Wave Record Counter 367

29.5 zVariables 367

29.6 end 367

29.1 header

CDF NAME:	SO_CEL_MTOF_PHA_LA_V02				
DATA ENCODING:	NETWORK				
MAJORITY:	COLUMN				
FORMAT:	SINGLE				
Variables	G.Attributes	V.Attributes	Records	Dims	Sizes
7/0	21	17	0/z	0	

(Back to chapter 29)

29.2 GLOBALattributes

TITLE	1:	CDF_CHAR	MTOF PHA
Project	1:	CDF_CHAR	ISTP>International Solar-Terrestrial Physics
Discipline	1:	CDF_CHAR	Solar Physics>Solar Wind
Source_name	1:	CDF_CHAR	SO>Solar Heliospheric Observatory (SOHO)
Descriptor	1:	CDF_CHAR	CEL>Charge, Element and Isotope Analysis System (C
	2:	CDF_CHAR	ELIAS)
Detector	1:	CDF_CHAR	MTOF>Mass Time of Flight
Series_name	1:	CDF_CHAR	PHA>Pulse Height Analyzer
Data_type	1:	CDF_CHAR	LA>Level ASCII
Logical_source	1:	CDF_CHAR	SO_CEL_MTOF_PHA_LA
TEXT	1:	CDF_CHAR	A description of the CELIAS instrument and
	2:	CDF_CHAR	scientific scope can be found on WWW
	3:	CDF_CHAR	at https://www.ieap.uni-kiel.de/et/soho/celias/
	4:	CDF_CHAR	or on the SOHO homepage at
	5:	CDF_CHAR	http://sohowww.nascom.nasa.gov/.
	6:	CDF_CHAR	A written description of CELIAS
	7:	CDF_CHAR	will appear in the special issue of
	8:	CDF_CHAR	Solar Physics dedicated to SOHO.
Data_version	1:	CDF_CHAR	01
MODS	1:	CDF_CHAR	<cwrap!actual_date>
skeleton_version	1:	CDF_CHAR	01
software_version	1:	CDF_CHAR	<cwrap!cwrap_version>
ADID_ref	1:	CDF_CHAR	NSSD0195
PI_name	1:	CDF_CHAR	Robert F. Wimmer-Schweingruber
PI_affiliation	1:	CDF_CHAR	Institut fuer Experimentelle und Angewandte Physik,
	2:	CDF_CHAR	Christian Albrechts Universitaet Kiel,
	3:	CDF_CHAR	Leibnizstr 11,
	4:	CDF_CHAR	24118 Kiel, Germany
Mission_group	1:	CDF_CHAR	SOHO
Instrument_type	1:	CDF_CHAR	Particles (space)
TEXT_supplement	1:	CDF_CHAR	MTOF Pules Height Data, ultimate resolution in TOF
TEXT_FOR_UOB	1:	CDF_CHAR	fred ipavitch

(Back to chapter 29)

29.3 VARIABLEattributes

FIELDNAM	
VALIDMIN	
VALIDMAX	
SCALETYP	
SCALEMIN	
SCALEMAX	
UNITS	
LABLAXIS	
FORMAT	
DEPEND_0	
!	DEPEND_1
!	DEPEND_2
!	DEPEND_3
!	DEPEND_4
!	DEPEND_5
MONOTON	
VAR_TYPE	
FILLVAL	
DISPLAY_TYPE	
CATDESC	
COLUMNS	
TIME_FORMAT	

(Back to chapter 29)

29.4 variables

Variable Name	Data Type	Number Elements	Record Variance	Dimension Variances
Epoch	CDF_EPOCH	1	T	
ID	CDF_UINT1	1	T	
StAmp	CDF_INT2	1	T	
K1	CDF_INT2	1	T	
K2	CDF_INT2	1	T	
TOF	CDF_INT2	1	T	
WCnt	CDF_INT2	1	T	

(Back to chapter 29)

29.4.1 Epoch, Time TAI

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Time TAI
VALIDMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
VALIDMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALEMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
SCALEMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Epoch
UNITS	CDF_CHAR	ms
VAR_TYPE	CDF_CHAR	support_data
CATDESC	CDF_CHAR	Epoch, Time TAI
FILLVAL	CDF_EPOCH	31-Dec-9999 23:59:59.999
DISPLAY_TYPE	CDF_CHAR	time_series
MONOTON	CDF_CHAR	INCREASE
TIME_FORMAT	CDF_CHAR	sec70base
COLUMNS	CDF_CHAR	0-0

(Back to chapter 29)

29.4.2 ID, Neutral/Ion identification

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Neutral/Ion identification
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	3
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	3
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	ID
UNITS	CDF_CHAR	none
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	ID, Neutral/Ion identification
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	1-1

(Back to chapter 29)

29.4.3 StAmp, start amplitude

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	start amplitude
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	1023
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	1023
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	StAmp
UNITS	CDF_CHAR	none
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	StAmp, start amplitude
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	2-2

(Back to chapter 29)

29.4.4 K1, Position anode signal

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position anode signal
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	4095
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	4095
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	K1
UNITS	CDF_CHAR	none
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	K1, Position anode signal
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	3-3

(Back to chapter 29)

29.4.5 K2, Position anode signal

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position anode signal
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	4095
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	4095
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	K2
UNITS	CDF_CHAR	none
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	K2, Position anode signal
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	4-4

(Back to chapter 29)

29.4.6 TOF, time of flight

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	time of flight
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	4095
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	4095
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	TOF
UNITS	CDF_CHAR	none
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	TOF, time of flight
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	5-5

(Back to chapter 29)

29.4.7 WCnt, Instrument cycle Wave Record Counter

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Instrument cycle Wave Record Counter
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	11
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	11
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	WCnt
UNITS	CDF_CHAR	none
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	WCnt, Instrument cycle Wave Record Counter
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	6-6

(Back to chapter 29)

29.5 zVariables

No zVariables (Back to chapter 29)

29.6 end

!# server>	client terminated data transfer at 19991013.175111
!# server>	eof cw-19991013.175110.skt

(Back to chapter 29)

Chapter 30

MTOF RATES L0 V03

Contents

30.1 header 369
30.2 GLOBALattributes 370
30.3 VARIABLEattributes 371
30.4 variables 371
30.4.1 Epoch, Time TAI 372
30.4.2 FSR, Front SEDA rate 372
30.4.3 NSR, Neutral Stop rate 373
30.4.4 ISR, Ion Stop rate 373
30.4.5 NDCR, Neutral double coincidence rate 374
30.4.6 IDCR, Ion double coincidence rate 374
30.4.7 ISR2, Ion start rate 2 375
30.4.8 MFSR, Multiple Front SEDA Rate 375
30.4.9 MDCR, Multiple Double Coincidence Rate 376
30.4.10 NDE1, Neutral 1 376
30.4.11 NDE2, Neutral 2 377
30.4.12 NDE3, Neutral 3 377
30.4.13 NDE4, Neutral 4 378
30.4.14 BR1, Basic Rate 1 378
30.4.15 BR2, Basic Rate 2 379
30.4.16 BR3, Basic Rate 3 379
30.4.17 ERR, Error Rate 380
30.4.18 WCnt, Wave Record Counter 380
30.5 zVariables 380
30.6 end 380

30.1 header

CDF NAME:	SO_CEL_MTOF_RATES_L0_V03				
DATA ENCODING:	NETWORK				
MAJORITY:	COLUMN				
FORMAT:	SINGLE				
Variables	G.Attributes	V.Attributes	Records	Dims	Sizes
18/0	21	17	0/z	0	

(Back to chapter 30)

30.2 GLOBALattributes

TITLE	1:	CDF_CHAR	MTOF rates
Project	1:	CDF_CHAR	ISTP>International Solar-Terrestrial Physics
Discipline	1:	CDF_CHAR	Solar Physics>Solar Wind
Source_name	1:	CDF_CHAR	SO>Solar Heliospheric Observatory (SOHO)
Descriptor	1:	CDF_CHAR	CEL>Charge, Element and Isotope Analysis System (C
	2:	CDF_CHAR	ELIAS)
Detector	1:	CDF_CHAR	MTOF>Mass Time of Flight
Series_name	1:	CDF_CHAR	RATES>Rates
Data_type	1:	CDF_CHAR	L0>Level 0
Logical_source	1:	CDF_CHAR	SO_CEL_MTOF_RATES_L0
TEXT	1:	CDF_CHAR	A description of the CELIAS instrument and
	2:	CDF_CHAR	scientific scope can be found on WWW
	3:	CDF_CHAR	at https://www.ieap.uni-kiel.de/et/soho/celias/
	4:	CDF_CHAR	or on the SOHO homepage at
	5:	CDF_CHAR	http://sohowww.nascom.nasa.gov/.
	6:	CDF_CHAR	A written description of CELIAS
	7:	CDF_CHAR	will appear in the special issue of
	8:	CDF_CHAR	Solar Physics dedicated to SOHO.
Data_version	1:	CDF_CHAR	01
MODS	1:	CDF_CHAR	<cwrap!actual_date>
skeleton_version	1:	CDF_CHAR	01
software_version	1:	CDF_CHAR	<cwrap!cwrap_version>
ADID_ref	1:	CDF_CHAR	NSSD0195
PI_name	1:	CDF_CHAR	Robert F. Wimmer-Schweingruber
PI_affiliation	1:	CDF_CHAR	Institut fuer Experimentelle und Angewandte Physik,
	2:	CDF_CHAR	Christian Albrechts Universitaet Kiel,
	3:	CDF_CHAR	Leibnizstr 11,
	4:	CDF_CHAR	24118 Kiel, Germany
Mission_group	1:	CDF_CHAR	SOHO
Instrument_type	1:	CDF_CHAR	Particles (space)
TEXT_supplement	1:	CDF_CHAR	MTOF rates
TEXT_FOR_UOB	1:	CDF_CHAR	John Paquette

(Back to chapter 30)

30.3 VARIABLEattributes

FIELDNAM	
VALIDMIN	
VALIDMAX	
SCALETYP	
SCALEMIN	
SCALEMAX	
UNITS	
LABLAXIS	
FORMAT	
DEPEND_0	
!	DEPEND_1
!	DEPEND_2
!	DEPEND_3
!	DEPEND_4
!	DEPEND_5
MONOTON	
VAR_TYPE	
FILLVAL	
DISPLAY_TYPE	
CATDESC	
COLUMNS	
TIME_FORMAT	

(Back to chapter 30)

30.4 variables

Variable Name	Data Type	Number Elements	Record Variance	Dimension Variances
Epoch	CDF_EPOCH	1	T	
FSR	CDF_FLOAT	1	T	
NSR	CDF_FLOAT	1	T	
ISR	CDF_FLOAT	1	T	
NDCR	CDF_FLOAT	1	T	
IDCR	CDF_FLOAT	1	T	
ISR2	CDF_FLOAT	1	T	
MFSR	CDF_FLOAT	1	T	
MDCR	CDF_FLOAT	1	T	
NDE1	CDF_FLOAT	1	T	
NDE2	CDF_FLOAT	1	T	
NDE3	CDF_FLOAT	1	T	
NDE4	CDF_FLOAT	1	T	
BR1	CDF_FLOAT	1	T	
BR2	CDF_FLOAT	1	T	
BR3	CDF_FLOAT	1	T	
ERR	CDF_FLOAT	1	T	
WCnt	CDF_UINT1	1	T	

(Back to chapter 30)

30.4.1 Epoch, Time TAI

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Time TAI
VALIDMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
VALIDMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALEMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
SCALEMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Epoch
UNITS	CDF_CHAR	ms
VAR_TYPE	CDF_CHAR	support_data
CATDESC	CDF_CHAR	Epoch, Time TAI
FILLVAL	CDF_EPOCH	31-Dec-9999 23:59:59.999
DISPLAY_TYPE	CDF_CHAR	time_series
MONOTON	CDF_CHAR	INCREASE
TIME_FORMAT	CDF_CHAR	sec70base
COLUMNS	CDF_CHAR	0-0

(Back to chapter 30)

30.4.2 FSR, Front SEDA rate

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Front SEDA rate
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	8000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	8000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	FSR
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	FSR, Front SEDA rate
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	1-1

(Back to chapter 30)

30.4.3 NSR, Neutral Stop rate

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Neutral Stop rate
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	8000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	8000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	NSR
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	NSR, Neutral Stop rate
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	2-2

(Back to chapter 30)

30.4.4 ISR, Ion Stop rate

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Ion Stop rate
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	8000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	8000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	ISR
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	ISR, Ion Stop rate
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	3-3

(Back to chapter 30)

30.4.5 NDCR, Neutral double coincidence rate

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Neutral double coincidence rate
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	8000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	8000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	NDCR
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	NDCR, Neutral double coincidence rate
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	4-4

(Back to chapter 30)

30.4.6 IDCR, Ion double coincidence rate

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Ion double coincidence rate
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	8000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	8000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	IDCR
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	IDCR, Ion double coincidence rate
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	5-5

(Back to chapter 30)

30.4.7 ISR2, Ion start rate 2

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Ion start rate 2
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	8000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	8000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	ISR2
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	ISR2, Ion start rate 2
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	6-6

(Back to chapter 30)

30.4.8 MFSR, Multiple Front SEDA Rate

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Multiple Front SEDA Rate
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	8000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	8000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MFSR
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MFSR, Multiple Front SEDA Rate
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	7-7

(Back to chapter 30)

30.4.9 MDCR, Multiple Double Coincidence Rate

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Multiple Double Coincidence Rate
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	8000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	8000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MDCR
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MDCR, Multiple Double Coincidence Rate
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	8-8

(Back to chapter 30)

30.4.10 NDE1, Neutral 1

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Neutral 1
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	8000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	8000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	NDE1
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	NDE1, Neutral 1
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	9-9

(Back to chapter 30)

30.4.11 NDE2, Neutral 2

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Neutral 2
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	8000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	8000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	NDE2
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	NDE2, Neutral 2
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	10-10

(Back to chapter 30)

30.4.12 NDE3, Neutral 3

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Neutral 3
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	8000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	8000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	NDE3
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	NDE3, Neutral 3
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	11-11

(Back to chapter 30)

30.4.13 NDE4, Neutral 4

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Neutral 4
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	8000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	8000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	NDE4
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	NDE4, Neutral 4
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	12-12

(Back to chapter 30)

30.4.14 BR1, Basic Rate 1

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Basic Rate 1
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	8000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	8000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	BR1
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	BR1, Basic Rate 1
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	13-13

(Back to chapter 30)

30.4.15 BR2, Basic Rate 2

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Basic Rate 2
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	8000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	8000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	BR2
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	BR2, Basic Rate 2
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	14-14

(Back to chapter 30)

30.4.16 BR3, Basic Rate 3

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Basic Rate 3
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	8000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	8000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	BR3
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	BR3, Basic Rate 3
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	15-15

(Back to chapter 30)

30.4.17 ERR, Error Rate

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Error Rate
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	8000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	8000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	ERR
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	ERR, Error Rate
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	16-16

(Back to chapter 30)

30.4.18 WCnt, Wave Record Counter

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Wave Record Counter
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	11
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	11
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	WCnt
UNITS	CDF_CHAR	none
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	WCnt, Wave Record Counter
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	17-17

(Back to chapter 30)

30.5 zVariables

No zVariables (Back to chapter 30)

30.6 end

!# server>	client terminated data transfer at 19991013.182634
!# server>	eof cw-19991013.182633.skt

(Back to chapter 30)

Chapter 31

MTOF RATES LA V03

Contents

31.1 header 381
31.2 GLOBALattributes 382
31.3 VARIABLEattributes 383
31.4 variables 383
31.4.1 Epoch, Time TAI 384
31.4.2 FSR, Front SEDA rate 384
31.4.3 NSR, Neutral Stop rate 385
31.4.4 ISR, Ion Stop rate 385
31.4.5 NDCR, Neutral double coincidence rate 386
31.4.6 IDCR, Ion double coincidence rate 386
31.4.7 ISR2, Ion start rate 2 387
31.4.8 MFSR, Multiple Front SEDA Rate 387
31.4.9 MDCR, Multiple Double Coincidence Rate 388
31.4.10 NDE1, Neutral 1 388
31.4.11 NDE2, Neutral 2 389
31.4.12 NDE3, Neutral 3 389
31.4.13 NDE4, Neutral 4 390
31.4.14 BR1, Basic Rate 1 390
31.4.15 BR2, Basic Rate 2 391
31.4.16 BR3, Basic Rate 3 391
31.4.17 ERR, Error Rate 392
31.4.18 WCnt, Wave Record Counter 392
31.5 zVariables 392
31.6 end 392

31.1 header

CDF NAME:	SO_CEL_MTOF_RATES_LA_V02				
DATA ENCODING:	NETWORK				
MAJORITY:	COLUMN				
FORMAT:	SINGLE				
Variables	G.Attributes	V.Attributes	Records	Dims	Sizes
18/0	21	17	0/z	0	

(Back to chapter 31)

31.2 GLOBALattributes

TITLE	1:	CDF_CHAR	MTOF rates
Project	1:	CDF_CHAR	ISTP>International Solar-Terrestrial Physics
Discipline	1:	CDF_CHAR	Solar Physics>Solar Wind
Source_name	1:	CDF_CHAR	SO>Solar Heliospheric Observatory (SOHO)
Descriptor	1:	CDF_CHAR	CEL>Charge, Element and Isotope Analysis System (C
	2:	CDF_CHAR	ELIAS)
Detector	1:	CDF_CHAR	MTOF>Mass Time of Flight
Series_name	1:	CDF_CHAR	RATES>Rates
Data_type	1:	CDF_CHAR	LA>Level ASCII
Logical_source	1:	CDF_CHAR	SO_CEL_MTOF_RATES_LA
TEXT	1:	CDF_CHAR	A description of the CELIAS instrument and
	2:	CDF_CHAR	scientific scope can be found on WWW
	3:	CDF_CHAR	at https://www.ieap.uni-kiel.de/et/soho/celias/
	4:	CDF_CHAR	or on the SOHO homepage at
	5:	CDF_CHAR	http://sohowww.nascom.nasa.gov/.
	6:	CDF_CHAR	A written description of CELIAS
	7:	CDF_CHAR	will appear in the special issue of
	8:	CDF_CHAR	Solar Physics dedicated to SOHO.
Data_version	1:	CDF_CHAR	01
MODS	1:	CDF_CHAR	<cwrap!actual_date>
skeleton_version	1:	CDF_CHAR	01
software_version	1:	CDF_CHAR	<cwrap!cwrap_version>
ADID_ref	1:	CDF_CHAR	NSSD0195
PI_name	1:	CDF_CHAR	Robert F. Wimmer-Schweingruber
PI_affiliation	1:	CDF_CHAR	Institut fuer Experimentelle und Angewandte Physik,
	2:	CDF_CHAR	Christian Albrechts Universitaet Kiel,
	3:	CDF_CHAR	Leibnizstr 11,
	4:	CDF_CHAR	24118 Kiel, Germany
Mission_group	1:	CDF_CHAR	SOHO
Instrument_type	1:	CDF_CHAR	Particles (space)
TEXT_supplement	1:	CDF_CHAR	MTOF rates
TEXT_FOR_UOB	1:	CDF_CHAR	John Paquette

(Back to chapter 31)

31.3 VARIABLEattributes

FIELDNAM	
VALIDMIN	
VALIDMAX	
SCALETYP	
SCALEMIN	
SCALEMAX	
UNITS	
LABLAXIS	
FORMAT	
DEPEND_0	
!	DEPEND_1
!	DEPEND_2
!	DEPEND_3
!	DEPEND_4
!	DEPEND_5
MONOTON	
VAR_TYPE	
FILLVAL	
DISPLAY_TYPE	
CATDESC	
COLUMNS	
TIME_FORMAT	

(Back to chapter 31)

31.4 variables

Variable Name	Data Type	Number Elements	Record Variance	Dimension Variances
Epoch	CDF_EPOCH	1	T	
FSR	CDF_FLOAT	1	T	
NSR	CDF_FLOAT	1	T	
ISR	CDF_FLOAT	1	T	
NDCR	CDF_FLOAT	1	T	
IDCR	CDF_FLOAT	1	T	
ISR2	CDF_FLOAT	1	T	
MFSR	CDF_FLOAT	1	T	
MDCR	CDF_FLOAT	1	T	
NDE1	CDF_FLOAT	1	T	
NDE2	CDF_FLOAT	1	T	
NDE3	CDF_FLOAT	1	T	
NDE4	CDF_FLOAT	1	T	
BR1	CDF_FLOAT	1	T	
BR2	CDF_FLOAT	1	T	
BR3	CDF_FLOAT	1	T	
ERR	CDF_FLOAT	1	T	
WCnt	CDF_UINT1	1	T	

(Back to chapter 31)

31.4.1 Epoch, Time TAI

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Time TAI
VALIDMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
VALIDMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALEMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
SCALEMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Epoch
UNITS	CDF_CHAR	ms
VAR_TYPE	CDF_CHAR	support_data
CATDESC	CDF_CHAR	Epoch, Time TAI
FILLVAL	CDF_EPOCH	31-Dec-9999 23:59:59.999
DISPLAY_TYPE	CDF_CHAR	time_series
MONOTON	CDF_CHAR	INCREASE
TIME_FORMAT	CDF_CHAR	sec70base
COLUMNS	CDF_CHAR	0-0

(Back to chapter 31)

31.4.2 FSR, Front SEDA rate

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Front SEDA rate
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	8000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	8000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	FSR
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	FSR, Front SEDA rate
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	1-1

(Back to chapter 31)

31.4.3 NSR, Neutral Stop rate

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Neutral Stop rate
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	8000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	8000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	NSR
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	NSR, Neutral Stop rate
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	2-2

(Back to chapter 31)

31.4.4 ISR, Ion Stop rate

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Ion Stop rate
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	8000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	8000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	ISR
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	ISR, Ion Stop rate
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	3-3

(Back to chapter 31)

31.4.5 NDCR, Neutral double coincidence rate

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Neutral double coincidence rate
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	8000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	8000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	NDCR
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	NDCR, Neutral double coincidence rate
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	4-4

(Back to chapter 31)

31.4.6 IDCR, Ion double coincidence rate

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Ion double coincidence rate
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	8000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	8000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	IDCR
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	IDCR, Ion double coincidence rate
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	5-5

(Back to chapter 31)

31.4.7 ISR2, Ion start rate 2

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Ion start rate 2
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	8000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	8000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	ISR2
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	ISR2, Ion start rate 2
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	6-6

(Back to chapter 31)

31.4.8 MFSR, Multiple Front SEDA Rate

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Multiple Front SEDA Rate
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	8000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	8000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MFSR
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MFSR, Multiple Front SEDA Rate
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	7-7

(Back to chapter 31)

31.4.9 MDCR, Multiple Double Coincidence Rate

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Multiple Double Coincidence Rate
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	8000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	8000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MDCR
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MDCR, Multiple Double Coincidence Rate
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	8-8

(Back to chapter 31)

31.4.10 NDE1, Neutral 1

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Neutral 1
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	8000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	8000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	NDE1
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	NDE1, Neutral 1
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	9-9

(Back to chapter 31)

31.4.11 NDE2, Neutral 2

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Neutral 2
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	8000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	8000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	NDE2
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	NDE2, Neutral 2
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	10-10

(Back to chapter 31)

31.4.12 NDE3, Neutral 3

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Neutral 3
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	8000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	8000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	NDE3
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	NDE3, Neutral 3
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	11-11

(Back to chapter 31)

31.4.13 NDE4, Neutral 4

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Neutral 4
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	8000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	8000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	NDE4
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	NDE4, Neutral 4
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	12-12

(Back to chapter 31)

31.4.14 BR1, Basic Rate 1

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Basic Rate 1
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	8000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	8000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	BR1
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	BR1, Basic Rate 1
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	13-13

(Back to chapter 31)

31.4.15 BR2, Basic Rate 2

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Basic Rate 2
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	8000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	8000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	BR2
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	BR2, Basic Rate 2
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	14-14

(Back to chapter 31)

31.4.16 BR3, Basic Rate 3

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Basic Rate 3
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	8000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	8000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	BR3
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	BR3, Basic Rate 3
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	15-15

(Back to chapter 31)

31.4.17 ERR, Error Rate

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Error Rate
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	8000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	8000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	ERR
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	ERR, Error Rate
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	16-16

(Back to chapter 31)

31.4.18 WCnt, Wave Record Counter

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Wave Record Counter
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	11
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	11
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	WCnt
UNITS	CDF_CHAR	none
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	WCnt, Wave Record Counter
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	17-17

(Back to chapter 31)

31.5 zVariables

No zVariables (Back to chapter 31)

31.6 end

!# server>	client terminated data transfer at 19991013.182634
!# server>	eof cw-19991013.182633.skt

(Back to chapter 31)

Chapter 32

MTOF TOFSP1 L0 V03

Contents

32.1 header 393

32.2 GLOBALattributes 394

32.3 VARIABLEattributes 395

32.4 variables 395

32.4.1 Epoch, Time TAI 395

32.4.2 mt1, time of flight spectrum (far side of mcp) 396

32.5 zVariables 396

32.6 end 396

32.1 header

CDF NAME:	SO_CEL_MTOF_TOFSP1_L0_V03				
DATA ENCODING:	NETWORK				
MAJORITY:	COLUMN				
FORMAT:	SINGLE				
Variables	G.Attributes	V.Attributes	Records	Dims	Sizes
2/0	21	17	0/z	1	1024

(Back to chapter 32)

32.2 GLOBALattributes

TITLE	1:	CDF_CHAR	MTOF TOF Spectra (far side of mcp)
Project	1:	CDF_CHAR	ISTP>International Solar-Terrestrial Physics
Discipline	1:	CDF_CHAR	Solar Physics>Solar Wind
Source_name	1:	CDF_CHAR	SO>Solar Heliospheric Observatory (SOHO)
Descriptor	1:	CDF_CHAR	CEL>Charge, Element and Isotope Analysis System (C
	2:	CDF_CHAR	ELIAS)
Detector	1:	CDF_CHAR	MTOF>Mass Time of Flight
Series_name	1:	CDF_CHAR	TOFSP1>TOF Spectra 1
Data_type	1:	CDF_CHAR	L0>Level 0
Logical_source	1:	CDF_CHAR	SO_CEL_MTOF_TOFSP1_L0
TEXT	1:	CDF_CHAR	A description of the CELIAS instrument and
	2:	CDF_CHAR	scientific scope can be found on WWW
	3:	CDF_CHAR	at https://www.ieap.uni-kiel.de/et/soho/celias/
	4:	CDF_CHAR	or on the SOHO homepage at
	5:	CDF_CHAR	http://sohowww.nascom.nasa.gov/.
	6:	CDF_CHAR	A written description of CELIAS
	7:	CDF_CHAR	will appear in the special issue of
	8:	CDF_CHAR	Solar Physics dedicated to SOHO.
Data_version	1:	CDF_CHAR	01
MODS	1:	CDF_CHAR	<cwrap!actual_date>
skeleton_version	1:	CDF_CHAR	01
software_version	1:	CDF_CHAR	<cwrap!cwrap_version>
ADID_ref	1:	CDF_CHAR	NSSD0195
PI_name	1:	CDF_CHAR	Peter Bochsler
PI_affiliation	1:	CDF_CHAR	Physikalisches Institut,
	2:	CDF_CHAR	Universitaet Bern,
	3:	CDF_CHAR	Sidlerstrasse 5,
	4:	CDF_CHAR	3012 Bern, Switzerland
Mission_group	1:	CDF_CHAR	SOHO
Instrument_type	1:	CDF_CHAR	Particles (space)
TEXT_supplement	1:	CDF_CHAR	Time of Flight spectra accumulated over 5 minutes
TEXT_FOR_UOB	1:	CDF_CHAR	fred ipavich

(Back to chapter 32)

32.3 VARIABLEattributes

FIELDNAM	
VALIDMIN	
VALIDMAX	
SCALETYP	
SCALEMIN	
SCALEMAX	
UNITS	
LABLAXIS	
FORMAT	
DEPEND_0	
!	DEPEND_1
!	DEPEND_2
!	DEPEND_3
!	DEPEND_4
!	DEPEND_5
MONOTON	
VAR_TYPE	
FILLVAL	
DISPLAY_TYPE	
CATDESC	
COLUMNS	
TIME_FORMAT	

(Back to chapter 32)

32.4 variables

Variable Name	Data Type	Number Elements	Record Variance	Dimension Variances
Epoch	CDF_EPOCH	1	T	F
mt1	CDF_INT4	1	T	T

(Back to chapter 32)

32.4.1 Epoch, Time TAI

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Time TAI
VALIDMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
VALIDMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALEMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
SCALEMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Epoch
UNITS	CDF_CHAR	ms
VAR_TYPE	CDF_CHAR	support_data
CATDESC	CDF_CHAR	Epoch, Time TAI
FILLVAL	CDF_EPOCH	31-Dec-9999 23:59:59.999
DISPLAY_TYPE	CDF_CHAR	time_series
MONOTON	CDF_CHAR	INCREASE
TIME_FORMAT	CDF_CHAR	sec70base
COLUMNS	CDF_CHAR	0-0

(Back to chapter 32)

32.4.2 mt1, time of flight spectrum (far side of mcp)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	time of flight spectrum (far side of mcp)
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	8000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	8000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	mt1
UNITS	CDF_CHAR	counts
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	mt1, time of flight spectrum (far side of mcp)
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	1-1024

(Back to chapter 32)

32.5 zVariables

No zVariables (Back to chapter 32)

32.6 end

!# server>	client terminated data transfer at 19991013.180857
!# server>	eof cw-19991013.180857.skt

(Back to chapter 32)

Chapter 33

MTOF TOFSP1 LA V03

Contents

33.1 header 397

33.2 GLOBALattributes 398

33.3 VARIABLEattributes 399

33.4 variables 399

33.4.1 Epoch, Time TAI 399

33.4.2 mt1, time of flight spectrum (far side of mcp) 400

33.5 zVariables 400

33.6 end 400

33.1 header

CDF NAME:	SO_CEL_MTOF_TOFSP1_LA_V02				
DATA ENCODING:	NETWORK				
MAJORITY:	COLUMN				
FORMAT:	SINGLE				
Variables	G.Attributes	V.Attributes	Records	Dims	Sizes
2/0	21	17	0/z	1	1024

(Back to chapter 33)

33.2 GLOBALattributes

TITLE	1:	CDF_CHAR	MTOF TOF Spectra (far side of mcp)
Project	1:	CDF_CHAR	ISTP>International Solar-Terrestrial Physics
Discipline	1:	CDF_CHAR	Solar Physics>Solar Wind
Source_name	1:	CDF_CHAR	SO>Solar Heliospheric Observatory (SOHO)
Descriptor	1:	CDF_CHAR	CEL>Charge, Element and Isotope Analysis System (C
	2:	CDF_CHAR	ELIAS)
Detector	1:	CDF_CHAR	MTOF>Mass Time of Flight
Series_name	1:	CDF_CHAR	TOFSP1>TOF Spectra 1
Data_type	1:	CDF_CHAR	LA>Level ASCII
Logical_source	1:	CDF_CHAR	SO_CEL_MTOF_TOFSP1_LA
TEXT	1:	CDF_CHAR	A description of the CELIAS instrument and
	2:	CDF_CHAR	scientific scope can be found on WWW
	3:	CDF_CHAR	at https://www.ieap.uni-kiel.de/et/soho/celias/
	4:	CDF_CHAR	or on the SOHO homepage at
	5:	CDF_CHAR	http://sohowww.nascom.nasa.gov/.
	6:	CDF_CHAR	A written description of CELIAS
	7:	CDF_CHAR	will appear in the special issue of
	8:	CDF_CHAR	Solar Physics dedicated to SOHO.
Data_version	1:	CDF_CHAR	01
MODS	1:	CDF_CHAR	<cwrap!actual_date>
skeleton_version	1:	CDF_CHAR	01
software_version	1:	CDF_CHAR	<cwrap!cwrap_version>
ADID_ref	1:	CDF_CHAR	NSSD0195
PI_name	1:	CDF_CHAR	Peter Bochsler
PI_affiliation	1:	CDF_CHAR	Physikalisches Institut,
	2:	CDF_CHAR	Universitaet Bern,
	3:	CDF_CHAR	Sidlerstrasse 5,
	4:	CDF_CHAR	3012 Bern, Switzerland
Mission_group	1:	CDF_CHAR	SOHO
Instrument_type	1:	CDF_CHAR	Particles (space)
TEXT_supplement	1:	CDF_CHAR	Time of Flight spectra accumulated over 5 minutes
TEXT_FOR_UOB	1:	CDF_CHAR	fred ipavich

(Back to chapter 33)

33.3 VARIABLEattributes

FIELDNAM	
VALIDMIN	
VALIDMAX	
SCALETYP	
SCALEMIN	
SCALEMAX	
UNITS	
LABLAXIS	
FORMAT	
DEPEND_0	
!	DEPEND_1
!	DEPEND_2
!	DEPEND_3
!	DEPEND_4
!	DEPEND_5
MONOTON	
VAR_TYPE	
FILLVAL	
DISPLAY_TYPE	
CATDESC	
COLUMNS	
TIME_FORMAT	

(Back to chapter 33)

33.4 variables

Variable Name	Data Type	Number Elements	Record Variance	Dimension Variances
Epoch	CDF_EPOCH	1	T	F
mt1	CDF_INT4	1	T	T

(Back to chapter 33)

33.4.1 Epoch, Time TAI

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Time TAI
VALIDMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
VALIDMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALEMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
SCALEMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Epoch
UNITS	CDF_CHAR	ms
VAR_TYPE	CDF_CHAR	support_data
CATDESC	CDF_CHAR	Epoch, Time TAI
FILLVAL	CDF_EPOCH	31-Dec-9999 23:59:59.999
DISPLAY_TYPE	CDF_CHAR	time_series
MONOTON	CDF_CHAR	INCREASE
TIME_FORMAT	CDF_CHAR	sec70base
COLUMNS	CDF_CHAR	0-0

(Back to chapter 33)

33.4.2 mt1, time of flight spectrum (far side of mcp)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	time of flight spectrum (far side of mcp)
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	8000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	8000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	mt1
UNITS	CDF_CHAR	counts
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	mt1, time of flight spectrum (far side of mcp)
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	1-1024

(Back to chapter 33)

33.5 zVariables

No zVariables (Back to chapter 33)

33.6 end

!# server>	client terminated data transfer at 19991013.180857
!# server>	eof cw-19991013.180857.skt

(Back to chapter 33)

Chapter 34

MTOF TOFSP2 L0 V03

Contents

34.1 header 401

34.2 GLOBALattributes 402

34.3 VARIABLEattributes 403

34.4 variables 403

34.4.1 Epoch, Time TAI 403

34.4.2 mt2, time of flight spectrum (near side of mcp) 404

34.5 zVariables 404

34.6 end 404

34.1 header

CDF NAME:	SO_CEL_MTOF_TOFSP2_L0_V03				
DATA ENCODING:	NETWORK				
MAJORITY:	COLUMN				
FORMAT:	SINGLE				
Variables	G.Attributes	V.Attributes	Records	Dims	Sizes
2/0	21	17	0/z	1	1024

(Back to chapter 34)

34.2 GLOBALattributes

TITLE	1:	CDF_CHAR	MTOF TOF Spectra (near side of mcp)
Project	1:	CDF_CHAR	ISTP>International Solar-Terrestrial Physics
Discipline	1:	CDF_CHAR	Solar Physics>Solar Wind
Source_name	1:	CDF_CHAR	SO>Solar Heliospheric Observatory (SOHO)
Descriptor	1:	CDF_CHAR	CEL>Charge, Element and Isotope Analysis System (C
	2:	CDF_CHAR	ELIAS)
Detector	1:	CDF_CHAR	MTOF>Mass Time of Flight
Series_name	1:	CDF_CHAR	TOFSP2>TOF Spectra 2
Data_type	1:	CDF_CHAR	L0>Level 0
Logical_source	1:	CDF_CHAR	SO_CEL_MTOF_TOFSP2_L0
TEXT	1:	CDF_CHAR	A description of the CELIAS instrument and
	2:	CDF_CHAR	scientific scope can be found on WWW
	3:	CDF_CHAR	at https://www.ieap.uni-kiel.de/et/soho/celias/
	4:	CDF_CHAR	or on the SOHO homepage at
	5:	CDF_CHAR	http://sohowww.nascom.nasa.gov/.
	6:	CDF_CHAR	A written description of CELIAS
	7:	CDF_CHAR	will appear in the special issue of
	8:	CDF_CHAR	Solar Physics dedicated to SOHO.
Data_version	1:	CDF_CHAR	01
MODS	1:	CDF_CHAR	<cwrap!actual_date>
skeleton_version	1:	CDF_CHAR	01
software_version	1:	CDF_CHAR	<cwrap!cwrap_version>
ADID_ref	1:	CDF_CHAR	NSSD0195
PI_name	1:	CDF_CHAR	Robert F. Wimmer-Schweingruber
PI_affiliation	1:	CDF_CHAR	Institut fuer Experimentelle und Angewandte Physik,
	2:	CDF_CHAR	Christian Albrechts Universitaet Kiel,
	3:	CDF_CHAR	Leibnizstr 11,
	4:	CDF_CHAR	24118 Kiel, Germany
Mission_group	1:	CDF_CHAR	SOHO
Instrument_type	1:	CDF_CHAR	Particles (space)
TEXT_supplement	1:	CDF_CHAR	Time of Flight spectra accumulated over 5 minutes
TEXT_FOR_UOB	1:	CDF_CHAR	fred ipavich

(Back to chapter 34)

34.3 VARIABLEattributes

FIELDNAM	
VALIDMIN	
VALIDMAX	
SCALETYP	
SCALEMIN	
SCALEMAX	
UNITS	
LABLAXIS	
FORMAT	
DEPEND_0	
!	DEPEND_1
!	DEPEND_2
!	DEPEND_3
!	DEPEND_4
!	DEPEND_5
MONOTON	
VAR_TYPE	
FILLVAL	
DISPLAY_TYPE	
CATDESC	
COLUMNS	
TIME_FORMAT	

(Back to chapter 34)

34.4 variables

Variable Name	Data Type	Number Elements	Record Variance	Dimension Variances
Epoch	CDF_EPOCH	1	T	F
mt2	CDF_INT4	1	T	T

(Back to chapter 34)

34.4.1 Epoch, Time TAI

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Time TAI
VALIDMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
VALIDMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALEMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
SCALEMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Epoch
UNITS	CDF_CHAR	ms
VAR_TYPE	CDF_CHAR	support_data
CATDESC	CDF_CHAR	Epoch, Time TAI
FILLVAL	CDF_EPOCH	31-Dec-9999 23:59:59.999
DISPLAY_TYPE	CDF_CHAR	time_series
MONOTON	CDF_CHAR	INCREASE
TIME_FORMAT	CDF_CHAR	sec70base
COLUMNS	CDF_CHAR	0-0

(Back to chapter 34)

34.4.2 mt2, time of flight spectrum (near side of mcp)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	time of flight spectrum (near side of mcp)
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	8000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	8000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	mt2
UNITS	CDF_CHAR	counts
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	mt2, time of flight spectrum (near side of mcp)
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	1-1024

(Back to chapter 34)

34.5 zVariables

No zVariables (Back to chapter 34)

34.6 end

!# server>	client terminated data transfer at 19991013.180857
!# server>	eof cw-19991013.180857.skt

(Back to chapter 34)

Chapter 35

MTOF TOFSP2 LA V03

Contents

35.1 header 405

35.2 GLOBALattributes 406

35.3 VARIABLEattributes 407

35.4 variables 407

35.4.1 Epoch, Time TAI 407

35.4.2 mt2, time of flight spectrum (near side of mcp) 408

35.5 zVariables 408

35.6 end 408

35.1 header

CDF NAME:	SO_CEL_MTOF_TOFSP2_LA_V02				
DATA ENCODING:	NETWORK				
MAJORITY:	COLUMN				
FORMAT:	SINGLE				
Variables	G.Attributes	V.Attributes	Records	Dims	Sizes
2/0	21	17	0/z	1	1024

(Back to chapter 35)

35.2 GLOBALattributes

TITLE	1:	CDF_CHAR	MTOF TOF Spectra (near side of mcp)
Project	1:	CDF_CHAR	ISTP>International Solar-Terrestrial Physics
Discipline	1:	CDF_CHAR	Solar Physics>Solar Wind
Source_name	1:	CDF_CHAR	SO>Solar Heliospheric Observatory (SOHO)
Descriptor	1:	CDF_CHAR	CEL>Charge, Element and Isotope Analysis System (C
	2:	CDF_CHAR	ELIAS)
Detector	1:	CDF_CHAR	MTOF>Mass Time of Flight
Series_name	1:	CDF_CHAR	TOFSP2>TOF Spectra 2
Data_type	1:	CDF_CHAR	LA>Level ASCII
Logical_source	1:	CDF_CHAR	SO_CEL_MTOF_TOFSP2_LA
TEXT	1:	CDF_CHAR	A description of the CELIAS instrument and
	2:	CDF_CHAR	scientific scope can be found on WWW
	3:	CDF_CHAR	at https://www.ieap.uni-kiel.de/et/soho/celias/
	4:	CDF_CHAR	or on the SOHO homepage at
	5:	CDF_CHAR	http://sohowww.nascom.nasa.gov/.
	6:	CDF_CHAR	A written description of CELIAS
	7:	CDF_CHAR	will appear in the special issue of
	8:	CDF_CHAR	Solar Physics dedicated to SOHO.
Data_version	1:	CDF_CHAR	01
MODS	1:	CDF_CHAR	<cwrap!actual_date>
skeleton_version	1:	CDF_CHAR	01
software_version	1:	CDF_CHAR	<cwrap!cwrap_version>
ADID_ref	1:	CDF_CHAR	NSSD0195
PI_name	1:	CDF_CHAR	Robert F. Wimmer-Schweingruber
PI_affiliation	1:	CDF_CHAR	Institut fuer Experimentelle und Angewandte Physik,
	2:	CDF_CHAR	Christian Albrechts Universitaet Kiel,
	3:	CDF_CHAR	Leibnizstr 11,
	4:	CDF_CHAR	24118 Kiel, Germany
Mission_group	1:	CDF_CHAR	SOHO
Instrument_type	1:	CDF_CHAR	Particles (space)
TEXT_supplement	1:	CDF_CHAR	Time of Flight spectra accumulated over 5 minutes
TEXT_FOR_UOB	1:	CDF_CHAR	fred ipavich

(Back to chapter 35)

35.3 VARIABLEattributes

FIELDNAM	
VALIDMIN	
VALIDMAX	
SCALETYP	
SCALEMIN	
SCALEMAX	
UNITS	
LABLAXIS	
FORMAT	
DEPEND_0	
!	DEPEND_1
!	DEPEND_2
!	DEPEND_3
!	DEPEND_4
!	DEPEND_5
MONOTON	
VAR_TYPE	
FILLVAL	
DISPLAY_TYPE	
CATDESC	
COLUMNS	
TIME_FORMAT	

(Back to chapter 35)

35.4 variables

Variable Name	Data Type	Number Elements	Record Variance	Dimension Variances
Epoch	CDF_EPOCH	1	T	F
mt2	CDF_INT4	1	T	T

(Back to chapter 35)

35.4.1 Epoch, Time TAI

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Time TAI
VALIDMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
VALIDMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALEMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
SCALEMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Epoch
UNITS	CDF_CHAR	ms
VAR_TYPE	CDF_CHAR	support_data
CATDESC	CDF_CHAR	Epoch, Time TAI
FILLVAL	CDF_EPOCH	31-Dec-9999 23:59:59.999
DISPLAY_TYPE	CDF_CHAR	time_series
MONOTON	CDF_CHAR	INCREASE
TIME_FORMAT	CDF_CHAR	sec70base
COLUMNS	CDF_CHAR	0-0

(Back to chapter 35)

35.4.2 mt2, time of flight spectrum (near side of mcp)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	time of flight spectrum (near side of mcp)
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	8000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	8000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	mt2
UNITS	CDF_CHAR	counts
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	mt2, time of flight spectrum (near side of mcp)
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	1-1024

(Back to chapter 35)

35.5 zVariables

No zVariables (Back to chapter 35)

35.6 end

!# server>	client terminated data transfer at 19991013.180857
!# server>	eof cw-19991013.180857.skt

(Back to chapter 35)

Chapter 36

PM PROTON L1 V01

Contents

36.1 header 409
36.2 GLOBALattributes 410
36.3 VARIABLEattributes 411
36.4 variables 411
36.4.1 Epoch, Time TAI 412
36.4.2 SPEED, Proton speed 412
36.4.3 Np, Proton density 413
36.4.4 Vth, Most probable proton thermal speed 413
36.4.5 NSangle, Arrival direction (deg from north-south, -90..90) 414
36.4.6 GSE_X, SOHO spacecraft coordinate X 414
36.4.7 GSE_Y, SOHO spacecraft coordinate Y 415
36.4.8 GSE_Z, SOHO spacecraft coordinate Z 415
36.4.9 HRANGE, Heliocentric Range 416
36.4.10 HGLAT, Heliographic Latitude 416
36.4.11 HGLONG, Heliographic Langitude 417
36.4.12 CRN, Earth Carrington Rotation Number 417
36.5 zVariables 417
36.6 end 417

36.1 header

CDF NAME:	SO_CEL_PM_PROTON_L1_V01				
DATA ENCODING:	NETWORK				
MAJORITY:	COLUMN				
FORMAT:	SINGLE				
Variables	G.Attributes	V.Attributes	Records	Dims	Sizes
12/0	21	17	0/z	0	

(Back to chapter 36)

36.2 GLOBALattributes

TITLE	1:	CDF_CHAR	CELIAS Proton Monitor (PM)
Project	1:	CDF_CHAR	ISTP>International Solar-Terrestrial Physics
Discipline	1:	CDF_CHAR	Solar Physics>Solar Wind
Source_name	1:	CDF_CHAR	SO>Solar Heliospheric Observatory (SOHO)
Descriptor	1:	CDF_CHAR	CEL>Charge, Element and Isotope Analysis System (C
	2:	CDF_CHAR	ELIAS)
Detector	1:	CDF_CHAR	PM>Proton Monitor
Series_name	1:	CDF_CHAR	PROTON>Proton
Data_type	1:	CDF_CHAR	L1>Level 1 Science Data
Logical_source	1:	CDF_CHAR	SO_CEL_PM_PROTON_L1
TEXT	1:	CDF_CHAR	A description of the CELIAS instrument and
	2:	CDF_CHAR	scientific scope can be found on WWW
	3:	CDF_CHAR	at http://ubecx.unibe.ch/phim/soho/
	4:	CDF_CHAR	or on the SOHO homepage at
	5:	CDF_CHAR	http://sohowww.nascom.nasa.gov/.
	6:	CDF_CHAR	A written description of CELIAS
	7:	CDF_CHAR	will appear in the special issue of
	8:	CDF_CHAR	Solar Physics dedicated to SOHO.
Data_version	1:	CDF_CHAR	01
MODS	1:	CDF_CHAR	<cwrap!actual_date>
skeleton_version	1:	CDF_CHAR	01
software_version	1:	CDF_CHAR	<cwrap!cwrap_version>
ADID_ref	1:	CDF_CHAR	NSSD0195
PI_name	1:	CDF_CHAR	Peter Bochsler
PI_affiliation	1:	CDF_CHAR	Physikalisches Institut,
	2:	CDF_CHAR	Universitaet Bern,
	3:	CDF_CHAR	Sidlerstrasse 5,
	4:	CDF_CHAR	3012 Bern, Switzerland
Mission_group	1:	CDF_CHAR	SOHO
Instrument_type	1:	CDF_CHAR	Particles (space)
TEXT_supplement	1:	CDF_CHAR	-
TEXT_FOR_UOB	1:	CDF_CHAR	Data by Ipavitch (?), Skeleton by Thom Buchmueller
	2:	CDF_CHAR	, to be wrapped with converted PM data

(Back to chapter 36)

36.3 VARIABLEattributes

FIELDNAM	
VALIDMIN	
VALIDMAX	
SCALETYP	
SCALEMIN	
SCALEMAX	
UNITS	
LABLAXIS	
FORMAT	
DEPEND_0	
!	DEPEND_1
!	DEPEND_2
!	DEPEND_3
!	DEPEND_4
!	DEPEND_5
MONOTON	
VAR_TYPE	
FILLVAL	
DISPLAY_TYPE	
CATDESC	
COLUMNS	
TIME_FORMAT	

(Back to chapter 36)

36.4 variables

Variable Name	Data Type	Number Elements	Record Variance	Dimension Variances
Epoch	CDF_EPOCH	1	T	
SPEED	CDF_INT2	1	T	
Np	CDF_FLOAT	1	T	
Vth	CDF_INT2	1	T	
NSangle	CDF_FLOAT	1	T	
GSE_X	CDF_FLOAT	1	T	
GSE_Y	CDF_FLOAT	1	T	
GSE_Z	CDF_FLOAT	1	T	
HRANGE	CDF_FLOAT	1	T	
HGLAT	CDF_FLOAT	1	T	
HGLONG	CDF_FLOAT	1	T	
CRN	CDF_INT2	1	T	

(Back to chapter 36)

36.4.1 Epoch, Time TAI

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Time TAI
VALIDMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
VALIDMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALEMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
SCALEMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Epoch
UNITS	CDF_CHAR	ms
VAR_TYPE	CDF_CHAR	support_data
CATDESC	CDF_CHAR	Epoch, Time TAI
FILLVAL	CDF_EPOCH	31-Dec-9999 23:59:59.999
DISPLAY_TYPE	CDF_CHAR	time_series
MONOTON	CDF_CHAR	INCREASE
TIME_FORMAT	CDF_CHAR	sec70base
COLUMNS	CDF_CHAR	0-0

(Back to chapter 36)

36.4.2 SPEED, Proton speed

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Proton speed
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	3000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	3000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SPEED
UNITS	CDF_CHAR	km/s
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SPEED, Proton speed
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	1-1

(Back to chapter 36)

36.4.3 Np, Proton density

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Proton density
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	500
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	500
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Np
UNITS	CDF_CHAR	1/(cm$\hat{3}$)
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	Np, Proton density
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	2-2

(Back to chapter 36)

36.4.4 Vth, Most probable proton thermal speed

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Most probable proton thermal speed
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	500
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	500
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Vth
UNITS	CDF_CHAR	km/s
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	Vth, Most probable proton thermal speed
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	3-3

(Back to chapter 36)

36.4.5 NSangle, Arrival direction (deg from north-south, -90..90)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Arrival direction (deg from north-south, -90..90)
VALIDMIN	CDF_FLOAT	-90
VALIDMAX	CDF_FLOAT	90
SCALEMIN	CDF_FLOAT	-90
SCALEMAX	CDF_FLOAT	90
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	NSangle
UNITS	CDF_CHAR	deg
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	NSangle, Arrival direction (deg from north-south, -90..90)
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	4-4

(Back to chapter 36)

36.4.6 GSE_X, SOHO spacecraft coordinate X

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	SOHO spacecraft coordinate X
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	5000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	5000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	GSE_X
UNITS	CDF_CHAR	Earth Radii
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	GSE_X, SOHO spacecraft coordinate X
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	5-5

(Back to chapter 36)

36.4.7 GSE_Y, SOHO spacecraft coordinate Y

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	SOHO spacecraft coordinate Y
VALIDMIN	CDF_FLOAT	-200
VALIDMAX	CDF_FLOAT	200
SCALEMIN	CDF_FLOAT	-200
SCALEMAX	CDF_FLOAT	200
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	GSE_Y
UNITS	CDF_CHAR	Earth Radii
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	GSE_Y, SOHO spacecraft coordinate Y
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	6-6

(Back to chapter 36)

36.4.8 GSE_Z, SOHO spacecraft coordinate Z

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	SOHO spacecraft coordinate Z
VALIDMIN	CDF_FLOAT	-200
VALIDMAX	CDF_FLOAT	200
SCALEMIN	CDF_FLOAT	-200
SCALEMAX	CDF_FLOAT	200
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	GSE_Z
UNITS	CDF_CHAR	Earth Radii
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	GSE_Z, SOHO spacecraft coordinate Z
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	7-7

(Back to chapter 36)

36.4.9 HRANGE, Heliocentric Range

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Heliocentric Range
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	200
SCALEMIN	CDF_FLOAT	140
SCALEMAX	CDF_FLOAT	160
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	HRANGE
UNITS	CDF_CHAR	Mkm
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	HRANGE, Heliocentric Range
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	8-8

(Back to chapter 36)

36.4.10 HGLAT, Heliographic Latitude

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Heliographic Latitude
VALIDMIN	CDF_FLOAT	-90
VALIDMAX	CDF_FLOAT	90
SCALEMIN	CDF_FLOAT	-20
SCALEMAX	CDF_FLOAT	20
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	HGLAT
UNITS	CDF_CHAR	deg
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	HGLAT, Heliographic Latitude
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	9-9

(Back to chapter 36)

36.4.11 HGLONG, Heliographic Langitude

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Heliographic Langitude
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	360
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	360
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	HGLONG
UNITS	CDF_CHAR	deg
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	HGLONG, Heliographic Langitude
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	10-10

(Back to chapter 36)

36.4.12 CRN, Earth Carrington Rotation Number

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Earth Carrington Rotation Number
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	20000
SCALEMIN	CDF_INT2	1900
SCALEMAX	CDF_INT2	2100
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	CRN
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	CRN, Earth Carrington Rotation Number
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	11-11

(Back to chapter 36)

36.5 zVariables

No zVariables (Back to chapter 36)

36.6 end

!# server>	client terminated data transfer at 20000417.081459
!# server>	eof cw-2000-107.002.skt

(Back to chapter 36)

Chapter 37

PM RATES L0 V03

Contents

37.1 header 419

37.2 GLOBALattributes 420

37.3 VARIABLEattributes 421

37.4 variables 421

37.4.1 Epoch, Time TAI 422

37.4.2 R(2,1,0,, Total Rates, 1 for each Step, 100sec each total 422

37.4.3 PmEq(2,1, Eq step potential for 100sec, 6 steps 423

37.5 zVariables 423

37.6 end 423

37.1 header

CDF NAME:	SO_CEL_PM_RATES_L0_V03				
DATA ENCODING:	NETWORK				
MAJORITY:	COLUMN				
FORMAT:	SINGLE				
Variables	G.Attributes	V.Attributes	Records	Dims	Sizes
3/0	21	17	0/z	1	6

(Back to chapter 37)

37.2 GLOBALattributes

TITLE	1:	CDF_CHAR	PM total rates
Project	1:	CDF_CHAR	ISTP>International Solar-Terrestrial Physics
Discipline	1:	CDF_CHAR	Solar Physics>Solar Wind
Source_name	1:	CDF_CHAR	SO>Solar Heliospheric Observatory (SOHO)
Descriptor	1:	CDF_CHAR	CEL>Charge, Element and Isotope Analysis System (C
	2:	CDF_CHAR	ELIAS)
Detector	1:	CDF_CHAR	PM>Proton Monitor
Series_name	1:	CDF_CHAR	RATES>Rates
Data_type	1:	CDF_CHAR	L0>Level 0
Logical_source	1:	CDF_CHAR	SO_CEL_PM_RATES_L0
TEXT	1:	CDF_CHAR	A description of the CELIAS instrument and
	2:	CDF_CHAR	scientific scope can be found on WWW
	3:	CDF_CHAR	at https://www.ieap.uni-kiel.de/et/soho/celias/
	4:	CDF_CHAR	or on the SOHO homepage at
	5:	CDF_CHAR	http://sohowww.nascom.nasa.gov/.
	6:	CDF_CHAR	A written description of CELIAS
	7:	CDF_CHAR	will appear in the special issue of
	8:	CDF_CHAR	Solar Physics dedicated to SOHO.
Data_version	1:	CDF_CHAR	01
MODS	1:	CDF_CHAR	<cwrap!actual_date>
skeleton_version	1:	CDF_CHAR	01
software_version	1:	CDF_CHAR	<cwrap!cwrap_version>
ADID_ref	1:	CDF_CHAR	NSSD0195
PI_name	1:	CDF_CHAR	Robert F. Wimmer-Schweingruber
PI_affiliation	1:	CDF_CHAR	Institut fuer Experimentelle und Angewandte Physik,
	2:	CDF_CHAR	Christian Albrechts Universitaet Kiel,
	3:	CDF_CHAR	Leibnizstr 11,
	4:	CDF_CHAR	24118 Kiel, Germany
Mission_group	1:	CDF_CHAR	SOHO
Instrument_type	1:	CDF_CHAR	Particles (space)
TEXT_supplement	1:	CDF_CHAR	PM total rates, 1 total for each step, 6 Eq steps,
	2:	CDF_CHAR	contains info on Vsw, Vthermal, and Density.
TEXT_FOR_UOB	1:	CDF_CHAR	weygand

(Back to chapter 37)

37.3 VARIABLEattributes

FIELDNAM	
VALIDMIN	
VALIDMAX	
SCALETYP	
SCALEMIN	
SCALEMAX	
UNITS	
LABLAXIS	
FORMAT	
DEPEND_0	
!	DEPEND_1
!	DEPEND_2
!	DEPEND_3
!	DEPEND_4
!	DEPEND_5
MONOTON	
VAR_TYPE	
FILLVAL	
DISPLAY_TYPE	
CATDESC	
COLUMNS	
TIME_FORMAT	

(Back to chapter 37)

37.4 variables

Variable Name	Data Type	Number Elements	Record Variance	Dimension Variances
Epoch	CDF_EPOCH	1	T	F
R(2,1,0,5,4,3)	CDF_FLOAT	1	T	T
PmEq(2,1,0,5,4,3)	CDF_FLOAT	1	T	T

(Back to chapter 37)

37.4.1 Epoch, Time TAI

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Time TAI
VALIDMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
VALIDMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALEMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
SCALEMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Epoch
UNITS	CDF_CHAR	ms
VAR_TYPE	CDF_CHAR	support_data
CATDESC	CDF_CHAR	Epoch, Time TAI
FILLVAL	CDF_EPOCH	31-Dec-9999 23:59:59.999
DISPLAY_TYPE	CDF_CHAR	time_series
MONOTON	CDF_CHAR	INCREASE
TIME_FORMAT	CDF_CHAR	sec70base
COLUMNS	CDF_CHAR	0-0

(Back to chapter 37)

37.4.2 R(2,1,0,, Total Rates, 1 for each Step, 100sec each total

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Total Rates, 1 for each Step, 100sec each total
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	R(2,1,0,
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	R(2,1,0,, Total Rates, 1 for each Step, 100sec each total
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	1-6

(Back to chapter 37)

37.4.3 PmEq(2,1, Eq step potential for 100sec, 6 steps

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Eq step potential for 100sec, 6 steps
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	9999
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	9999
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PmEq(2,1
UNITS	CDF_CHAR	kV
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PmEq(2,1, Eq step potential for 100sec, 6 steps
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	7-12

(Back to chapter 37)

37.5 zVariables

No zVariables (Back to chapter 37)

37.6 end

section is empty (Back to chapter 37)

Chapter 38

PM RATES LA V03

Contents

38.1 header 425

38.2 GLOBALattributes 426

38.3 VARIABLEattributes 427

38.4 variables 427

38.4.1 Epoch, Time TAI 428

38.4.2 R(2,1,0,, Total Rates, 1 for each Step, 100sec each total 428

38.4.3 PmEq(2,1, Eq step potential for 100sec, 6 steps 429

38.5 zVariables 429

38.6 end 429

38.1 header

CDF NAME:	SO_CEL_PM_RATES_LA_V02				
DATA ENCODING:	NETWORK				
MAJORITY:	COLUMN				
FORMAT:	SINGLE				
Variables	G.Attributes	V.Attributes	Records	Dims	Sizes
3/0	21	17	0/z	1	6

(Back to chapter 38)

38.2 GLOBALattributes

TITLE	1:	CDF_CHAR	PM total rates
Project	1:	CDF_CHAR	ISTP>International Solar-Terrestrial Physics
Discipline	1:	CDF_CHAR	Solar Physics>Solar Wind
Source_name	1:	CDF_CHAR	SO>Solar Heliospheric Observatory (SOHO)
Descriptor	1:	CDF_CHAR	CEL>Charge, Element and Isotope Analysis System (C
	2:	CDF_CHAR	ELIAS)
Detector	1:	CDF_CHAR	PM>Proton Monitor
Series_name	1:	CDF_CHAR	RATES>Rates
Data_type	1:	CDF_CHAR	LA>Level ASCII
Logical_source	1:	CDF_CHAR	SO_CEL_PM_RATES_LA
TEXT	1:	CDF_CHAR	A description of the CELIAS instrument and
	2:	CDF_CHAR	scientific scope can be found on WWW
	3:	CDF_CHAR	at https://www.ieap.uni-kiel.de/et/soho/celias/
	4:	CDF_CHAR	or on the SOHO homepage at
	5:	CDF_CHAR	http://sohowww.nascom.nasa.gov/.
	6:	CDF_CHAR	A written description of CELIAS
	7:	CDF_CHAR	will appear in the special issue of
	8:	CDF_CHAR	Solar Physics dedicated to SOHO.
Data_version	1:	CDF_CHAR	01
MODS	1:	CDF_CHAR	<cwrap!actual_date>
skeleton_version	1:	CDF_CHAR	01
software_version	1:	CDF_CHAR	<cwrap!cwrap_version>
ADID_ref	1:	CDF_CHAR	NSSD0195
PI_name	1:	CDF_CHAR	Robert F. Wimmer-Schweingruber
PI_affiliation	1:	CDF_CHAR	Institut fuer Experimentelle und Angewandte Physik,
	2:	CDF_CHAR	Christian Albrechts Universitaet Kiel,
	3:	CDF_CHAR	Leibnizstr 11,
	4:	CDF_CHAR	24118 Kiel, Germany
Mission_group	1:	CDF_CHAR	SOHO
Instrument_type	1:	CDF_CHAR	Particles (space)
TEXT_supplement	1:	CDF_CHAR	PM total rates, 1 total for each step, 6 Eq steps,
	2:	CDF_CHAR	contains info on Vsw, Vthermal, and Density.
TEXT_FOR_UOB	1:	CDF_CHAR	weygand

(Back to chapter 38)

38.3 VARIABLEattributes

FIELDNAM	
VALIDMIN	
VALIDMAX	
SCALETYP	
SCALEMIN	
SCALEMAX	
UNITS	
LABLAXIS	
FORMAT	
DEPEND_0	
!	DEPEND_1
!	DEPEND_2
!	DEPEND_3
!	DEPEND_4
!	DEPEND_5
MONOTON	
VAR_TYPE	
FILLVAL	
DISPLAY_TYPE	
CATDESC	
COLUMNS	
TIME_FORMAT	

(Back to chapter 38)

38.4 variables

Variable Name	Data Type	Number Elements	Record Variance	Dimension Variances
Epoch	CDF_EPOCH	1	T	F
R(2,1,0,5,4,3)	CDF_FLOAT	1	T	T
PmEq(2,1,0,5,4,3)	CDF_FLOAT	1	T	T

(Back to chapter 38)

38.4.1 Epoch, Time TAI

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Time TAI
VALIDMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
VALIDMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALEMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
SCALEMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Epoch
UNITS	CDF_CHAR	ms
VAR_TYPE	CDF_CHAR	support_data
CATDESC	CDF_CHAR	Epoch, Time TAI
FILLVAL	CDF_EPOCH	31-Dec-9999 23:59:59.999
DISPLAY_TYPE	CDF_CHAR	time_series
MONOTON	CDF_CHAR	INCREASE
TIME_FORMAT	CDF_CHAR	sec70base
COLUMNS	CDF_CHAR	0-0

(Back to chapter 38)

38.4.2 R(2,1,0,, Total Rates, 1 for each Step, 100sec each total

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Total Rates, 1 for each Step, 100sec each total
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	R(2,1,0,
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	R(2,1,0,, Total Rates, 1 for each Step, 100sec each total
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	1-6

(Back to chapter 38)

38.4.3 PmEq(2,1, Eq step potential for 100sec, 6 steps

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Eq step potential for 100sec, 6 steps
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	9999
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	9999
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PmEq(2,1
UNITS	CDF_CHAR	kV
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PmEq(2,1, Eq step potential for 100sec, 6 steps
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	7-12

(Back to chapter 38)

38.5 zVariables

No zVariables (Back to chapter 38)

38.6 end

section is empty (Back to chapter 38)

Chapter 39

PM RSP L0 V03

Contents

39.1 header 431

39.2 GLOBALattributes 432

39.3 VARIABLEattributes 433

39.4 variables 433

39.4.1 Epoch, Time TAI 433

39.4.2 PM, 6 Eq steps, 25 bins each, Vsw and alpha info 434

39.5 zVariables 434

39.6 end 434

39.1 header

CDF NAME:	SO_CEL_PM_RSP_L0_V03				
DATA ENCODING:	NETWORK				
MAJORITY:	COLUMN				
FORMAT:	SINGLE				
Variables	G.Attributes	V.Attributes	Records	Dims	Sizes
2/0	21	17	0/z	1	150

(Back to chapter 39)

39.2 GLOBALattributes

TITLE	1:	CDF_CHAR	PM radial spectra
Project	1:	CDF_CHAR	ISTP>International Solar-Terrestrial Physics
Discipline	1:	CDF_CHAR	Solar Physics>Solar Wind
Source_name	1:	CDF_CHAR	SO>Solar Heliospheric Observatory (SOHO)
Descriptor	1:	CDF_CHAR	CEL>Charge, Element and Isotope Analysis System (C
	2:	CDF_CHAR	ELIAS)
Detector	1:	CDF_CHAR	PM>Proton Monitor
Series_name	1:	CDF_CHAR	RSP>Radial Spectra
Data_type	1:	CDF_CHAR	L0>Level 0
Logical_source	1:	CDF_CHAR	SO_CEL_PM_RSP_L0
TEXT	1:	CDF_CHAR	A description of the CELIAS instrument and
	2:	CDF_CHAR	scientific scope can be found on WWW
	3:	CDF_CHAR	at https://www.ieap.uni-kiel.de/et/soho/celias/
	4:	CDF_CHAR	or on the SOHO homepage at
	5:	CDF_CHAR	http://sohowww.nascom.nasa.gov/.
	6:	CDF_CHAR	A written description of CELIAS
	7:	CDF_CHAR	will appear in the special issue of
	8:	CDF_CHAR	Solar Physics dedicated to SOHO.
Data_version	1:	CDF_CHAR	01
MODS	1:	CDF_CHAR	<cwrap!actual_date>
skeleton_version	1:	CDF_CHAR	01
software_version	1:	CDF_CHAR	<cwrap!cwrap_version>
ADID_ref	1:	CDF_CHAR	NSSD0195
PI_name	1:	CDF_CHAR	Robert F. Wimmer-Schweingruber
PI_affiliation	1:	CDF_CHAR	Institut fuer Experimentelle und Angewandte Physik,
	2:	CDF_CHAR	Christian Albrechts Universitaet Kiel,
	3:	CDF_CHAR	Leibnizstr 11,
	4:	CDF_CHAR	24118 Kiel, Germany
Mission_group	1:	CDF_CHAR	SOHO
Instrument_type	1:	CDF_CHAR	Particles (space)
TEXT_supplement	1:	CDF_CHAR	PM radial spectra (Vsw, alpha), 6 Eq steps, each 2
	2:	CDF_CHAR	5 bins
TEXT_FOR_UOB	1:	CDF_CHAR	Weygand

(Back to chapter 39)

39.3 VARIABLEattributes

FIELDNAM	
VALIDMIN	
VALIDMAX	
SCALETYP	
SCALEMIN	
SCALEMAX	
UNITS	
LABLAXIS	
FORMAT	
DEPEND_0	
!	DEPEND_1
!	DEPEND_2
!	DEPEND_3
!	DEPEND_4
!	DEPEND_5
MONOTON	
VAR_TYPE	
FILLVAL	
DISPLAY_TYPE	
CATDESC	
COLUMNS	
TIME_FORMAT	

(Back to chapter 39)

39.4 variables

Variable Name	Data Type	Number Elements	Record Variance	Dimension Variances
Epoch	CDF_EPOCH	1	T	F
PM	CDF_INT4	1	T	T

(Back to chapter 39)

39.4.1 Epoch, Time TAI

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Time TAI
VALIDMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
VALIDMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALEMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
SCALEMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Epoch
UNITS	CDF_CHAR	ms
VAR_TYPE	CDF_CHAR	support_data
CATDESC	CDF_CHAR	Epoch, Time TAI
FILLVAL	CDF_EPOCH	31-Dec-9999 23:59:59.999
DISPLAY_TYPE	CDF_CHAR	time_series
MONOTON	CDF_CHAR	INCREASE
TIME_FORMAT	CDF_CHAR	sec70base
COLUMNS	CDF_CHAR	0-0

(Back to chapter 39)

39.4.2 PM, 6 Eq steps, 25 bins each, Vsw and alpha info

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	6 Eq steps, 25 bins each, Vsw and alpha info
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	65535
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	65535
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PM
UNITS	CDF_CHAR	cts/(100 sec)
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PM, 6 Eq steps, 25 bins each, Vsw and alpha info
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	1-150

(Back to chapter 39)

39.5 zVariables

No zVariables (Back to chapter 39)

39.6 end

section is empty (Back to chapter 39)

Chapter 40

PM RSP LA V03

Contents

40.1 header 435

40.2 GLOBALattributes 436

40.3 VARIABLEattributes 437

40.4 variables 437

40.4.1 Epoch, Time TAI 437

40.4.2 PM, 6 Eq steps, 25 bins each, Vsw and alpha info 438

40.5 zVariables 438

40.6 end 438

40.1 header

CDF NAME:	SO_CEL_PM_RSP_LA_V02				
DATA ENCODING:	NETWORK				
MAJORITY:	COLUMN				
FORMAT:	SINGLE				
Variables	G.Attributes	V.Attributes	Records	Dims	Sizes
2/0	21	17	0/z	1	150

(Back to chapter 40)

40.2 GLOBALattributes

TITLE	1:	CDF_CHAR	PM radial spectra
Project	1:	CDF_CHAR	ISTP>International Solar-Terrestrial Physics
Discipline	1:	CDF_CHAR	Solar Physics>Solar Wind
Source_name	1:	CDF_CHAR	SO>Solar Heliospheric Observatory (SOHO)
Descriptor	1:	CDF_CHAR	CEL>Charge, Element and Isotope Analysis System (C
	2:	CDF_CHAR	ELIAS)
Detector	1:	CDF_CHAR	PM>Proton Monitor
Series_name	1:	CDF_CHAR	RSP>Radial Spectra
Data_type	1:	CDF_CHAR	LA>Level ASCII
Logical_source	1:	CDF_CHAR	SO_CEL_PM_RSP_LA
TEXT	1:	CDF_CHAR	A description of the CELIAS instrument and
	2:	CDF_CHAR	scientific scope can be found on WWW
	3:	CDF_CHAR	at https://www.ieap.uni-kiel.de/et/soho/celias/
	4:	CDF_CHAR	or on the SOHO homepage at
	5:	CDF_CHAR	http://sohowww.nascom.nasa.gov/.
	6:	CDF_CHAR	A written description of CELIAS
	7:	CDF_CHAR	will appear in the special issue of
	8:	CDF_CHAR	Solar Physics dedicated to SOHO.
Data_version	1:	CDF_CHAR	01
MODS	1:	CDF_CHAR	<cwrap!actual_date>
skeleton_version	1:	CDF_CHAR	01
software_version	1:	CDF_CHAR	<cwrap!cwrap_version>
ADID_ref	1:	CDF_CHAR	NSSD0195
PI_name	1:	CDF_CHAR	Robert F. Wimmer-Schweingruber
PI_affiliation	1:	CDF_CHAR	Institut fuer Experimentelle und Angewandte Physik,
	2:	CDF_CHAR	Christian Albrechts Universitaet Kiel,
	3:	CDF_CHAR	Leibnizstr 11,
	4:	CDF_CHAR	24118 Kiel, Germany
Mission_group	1:	CDF_CHAR	SOHO
Instrument_type	1:	CDF_CHAR	Particles (space)
TEXT_supplement	1:	CDF_CHAR	PM radial spectra (Vsw, alpha), 6 Eq steps, each 2
	2:	CDF_CHAR	5 bins
TEXT_FOR_UOB	1:	CDF_CHAR	Weygand

(Back to chapter 40)

40.3 VARIABLEattributes

FIELDNAM	
VALIDMIN	
VALIDMAX	
SCALETYP	
SCALEMIN	
SCALEMAX	
UNITS	
LABLAXIS	
FORMAT	
DEPEND_0	
!	DEPEND_1
!	DEPEND_2
!	DEPEND_3
!	DEPEND_4
!	DEPEND_5
MONOTON	
VAR_TYPE	
FILLVAL	
DISPLAY_TYPE	
CATDESC	
COLUMNS	
TIME_FORMAT	

(Back to chapter 40)

40.4 variables

Variable Name	Data Type	Number Elements	Record Variance	Dimension Variances
Epoch	CDF_EPOCH	1	T	F
PM	CDF_INT4	1	T	T

(Back to chapter 40)

40.4.1 Epoch, Time TAI

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Time TAI
VALIDMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
VALIDMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALEMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
SCALEMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Epoch
UNITS	CDF_CHAR	ms
VAR_TYPE	CDF_CHAR	support_data
CATDESC	CDF_CHAR	Epoch, Time TAI
FILLVAL	CDF_EPOCH	31-Dec-9999 23:59:59.999
DISPLAY_TYPE	CDF_CHAR	time_series
MONOTON	CDF_CHAR	INCREASE
TIME_FORMAT	CDF_CHAR	sec70base
COLUMNS	CDF_CHAR	0-0

(Back to chapter 40)

40.4.2 PM, 6 Eq steps, 25 bins each, Vsw and alpha info

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	6 Eq steps, 25 bins each, Vsw and alpha info
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	65535
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	65535
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PM
UNITS	CDF_CHAR	cts/(100 sec)
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PM, 6 Eq steps, 25 bins each, Vsw and alpha info
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	1-150

(Back to chapter 40)

40.5 zVariables

No zVariables (Back to chapter 40)

40.6 end

section is empty (Back to chapter 40)

Chapter 41

PM RTA L0 V03

Contents

41.1 header 439

41.2 GLOBALattributes 440

41.3 VARIABLEattributes 441

41.4 variables 441

41.4.1 Epoch, Time TAI 441

41.4.2 PM, radial-theta arry, 6 Eq stps, 25 radial, 20 theta 442

41.5 zVariables 442

41.6 end 442

41.1 header

CDF NAME:	SO_CEL_PM_RTA_L0_V03				
DATA ENCODING:	NETWORK				
MAJORITY:	COLUMN				
FORMAT:	SINGLE				
Variables	G.Attributes	V.Attributes	Records	Dims	Sizes
2/0	21	17	0/z	1	3000

(Back to chapter 41)

41.2 GLOBALattributes

TITLE	1:	CDF_CHAR	PM radial-theta array
Project	1:	CDF_CHAR	ISTP>International Solar-Terrestrial Physics
Discipline	1:	CDF_CHAR	Solar Physics>Solar Wind
Source_name	1:	CDF_CHAR	SO>Solar Heliospheric Observatory (SOHO)
Descriptor	1:	CDF_CHAR	CEL>Charge, Element and Isotope Analysis System (C
	2:	CDF_CHAR	ELIAS)
Detector	1:	CDF_CHAR	PM>Proton Monitor
Series_name	1:	CDF_CHAR	RTA>Radial-Theta Array
Data_type	1:	CDF_CHAR	L0>Level 0
Logical_source	1:	CDF_CHAR	SO_CEL_PM_RTA_L0
TEXT	1:	CDF_CHAR	A description of the CELIAS instrument and
	2:	CDF_CHAR	scientific scope can be found on WWW
	3:	CDF_CHAR	at https://www.ieap.uni-kiel.de/et/soho/celias/
	4:	CDF_CHAR	or on the SOHO homepage at
	5:	CDF_CHAR	http://sohowww.nascom.nasa.gov/.
	6:	CDF_CHAR	A written description of CELIAS
	7:	CDF_CHAR	will appear in the special issue of
	8:	CDF_CHAR	Solar Physics dedicated to SOHO.
Data_version	1:	CDF_CHAR	01
MODS	1:	CDF_CHAR	<cwrap!actual_date>
skeleton_version	1:	CDF_CHAR	01
software_version	1:	CDF_CHAR	<cwrap!cwrap_version>
ADID_ref	1:	CDF_CHAR	NSSD0195
PI_name	1:	CDF_CHAR	Robert F. Wimmer-Schweingruber
PI_affiliation	1:	CDF_CHAR	Institut fuer Experimentelle und Angewandte Physik,
	2:	CDF_CHAR	Christian Albrechts Universitaet Kiel,
	3:	CDF_CHAR	Leibnizstr 11,
	4:	CDF_CHAR	24118 Kiel, Germany
Mission_group	1:	CDF_CHAR	SOHO
Instrument_type	1:	CDF_CHAR	Particles (space)
TEXT_supplement	1:	CDF_CHAR	PM radial-theta array, 6 Eq steps, 25 rdial bins,
	2:	CDF_CHAR	20 theta bins,
	3:	CDF_CHAR	theta is beta of SW.
TEXT_FOR_UOB	1:	CDF_CHAR	weygand

(Back to chapter 41)

41.3 VARIABLEattributes

FIELDNAM	
VALIDMIN	
VALIDMAX	
SCALETYP	
SCALEMIN	
SCALEMAX	
UNITS	
LABLAXIS	
FORMAT	
DEPEND_0	
!	DEPEND_1
!	DEPEND_2
!	DEPEND_3
!	DEPEND_4
!	DEPEND_5
MONOTON	
VAR_TYPE	
FILLVAL	
DISPLAY_TYPE	
CATDESC	
COLUMNS	
TIME_FORMAT	

(Back to chapter 41)

41.4 variables

Variable Name	Data Type	Number Elements	Record Variance	Dimension Variances
Epoch	CDF_EPOCH	1	T	F
PM	CDF_INT4	1	T	T

(Back to chapter 41)

41.4.1 Epoch, Time TAI

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Time TAI
VALIDMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
VALIDMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALEMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
SCALEMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Epoch
UNITS	CDF_CHAR	ms
VAR_TYPE	CDF_CHAR	support_data
CATDESC	CDF_CHAR	Epoch, Time TAI
FILLVAL	CDF_EPOCH	31-Dec-9999 23:59:59.999
DISPLAY_TYPE	CDF_CHAR	time_series
MONOTON	CDF_CHAR	INCREASE
TIME_FORMAT	CDF_CHAR	sec70base
COLUMNS	CDF_CHAR	0-0

(Back to chapter 41)

41.4.2 PM, radial-theta arry, 6 Eq stps, 25 radial, 20 theta

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	radial-theta arry, 6 Eq stps, 25 radial, 20 theta
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	65535
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	65535
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PM
UNITS	CDF_CHAR	cts/(600 sec)
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PM, radial-theta arry, 6 Eq stps, 25 radial, 20 theta
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	1-3000

(Back to chapter 41)

41.5 zVariables

No zVariables (Back to chapter 41)

41.6 end

section is empty (Back to chapter 41)

Chapter 42

PM RTA LA V03

Contents

42.1 header 443

42.2 GLOBALattributes 444

42.3 VARIABLEattributes 445

42.4 variables 445

42.4.1 Epoch, Time TAI 445

42.4.2 PM, radial-theta arry, 6 Eq stps, 25 radial, 20 theta 446

42.5 zVariables 446

42.6 end 446

42.1 header

CDF NAME:	SO_CEL_PM_RTA_LA_V02				
DATA ENCODING:	NETWORK				
MAJORITY:	COLUMN				
FORMAT:	SINGLE				
Variables	G.Attributes	V.Attributes	Records	Dims	Sizes
2/0	21	17	0/z	1	3000

(Back to chapter 42)

42.2 GLOBALattributes

TITLE	1:	CDF_CHAR	PM radial-theta array
Project	1:	CDF_CHAR	ISTP>International Solar-Terrestrial Physics
Discipline	1:	CDF_CHAR	Solar Physics>Solar Wind
Source_name	1:	CDF_CHAR	SO>Solar Heliospheric Observatory (SOHO)
Descriptor	1:	CDF_CHAR	CEL>Charge, Element and Isotope Analysis System (C
	2:	CDF_CHAR	ELIAS)
Detector	1:	CDF_CHAR	PM>Proton Monitor
Series_name	1:	CDF_CHAR	RTA>Radial-Theta Array
Data_type	1:	CDF_CHAR	LA>Level ASCII
Logical_source	1:	CDF_CHAR	SO_CEL_PM_RTA_LA
TEXT	1:	CDF_CHAR	A description of the CELIAS instrument and
	2:	CDF_CHAR	scientific scope can be found on WWW
	3:	CDF_CHAR	at https://www.ieap.uni-kiel.de/et/soho/celias/
	4:	CDF_CHAR	or on the SOHO homepage at
	5:	CDF_CHAR	http://sohowww.nascom.nasa.gov/.
	6:	CDF_CHAR	A written description of CELIAS
	7:	CDF_CHAR	will appear in the special issue of
	8:	CDF_CHAR	Solar Physics dedicated to SOHO.
Data_version	1:	CDF_CHAR	01
MODS	1:	CDF_CHAR	<cwrap!actual_date>
skeleton_version	1:	CDF_CHAR	01
software_version	1:	CDF_CHAR	<cwrap!cwrap_version>
ADID_ref	1:	CDF_CHAR	NSSD0195
PI_name	1:	CDF_CHAR	Robert F. Wimmer-Schweingruber
PI_affiliation	1:	CDF_CHAR	Institut fuer Experimentelle und Angewandte Physik,
	2:	CDF_CHAR	Christian Albrechts Universitaet Kiel,
	3:	CDF_CHAR	Leibnizstr 11,
	4:	CDF_CHAR	24118 Kiel, Germany
Mission_group	1:	CDF_CHAR	SOHO
Instrument_type	1:	CDF_CHAR	Particles (space)
TEXT_supplement	1:	CDF_CHAR	PM radial-theta array, 6 Eq steps, 25 rdial bins,
	2:	CDF_CHAR	20 theta bins,
	3:	CDF_CHAR	theta is beta of SW.
TEXT_FOR_UOB	1:	CDF_CHAR	weygand

(Back to chapter 42)

42.3 VARIABLEattributes

FIELDNAM	
VALIDMIN	
VALIDMAX	
SCALETYP	
SCALEMIN	
SCALEMAX	
UNITS	
LABLAXIS	
FORMAT	
DEPEND_0	
!	DEPEND_1
!	DEPEND_2
!	DEPEND_3
!	DEPEND_4
!	DEPEND_5
MONOTON	
VAR_TYPE	
FILLVAL	
DISPLAY_TYPE	
CATDESC	
COLUMNS	
TIME_FORMAT	

(Back to chapter 42)

42.4 variables

Variable Name	Data Type	Number Elements	Record Variance	Dimension Variances
Epoch	CDF_EPOCH	1	T	F
PM	CDF_INT4	1	T	T

(Back to chapter 42)

42.4.1 Epoch, Time TAI

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Time TAI
VALIDMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
VALIDMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALEMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
SCALEMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Epoch
UNITS	CDF_CHAR	ms
VAR_TYPE	CDF_CHAR	support_data
CATDESC	CDF_CHAR	Epoch, Time TAI
FILLVAL	CDF_EPOCH	31-Dec-9999 23:59:59.999
DISPLAY_TYPE	CDF_CHAR	time_series
MONOTON	CDF_CHAR	INCREASE
TIME_FORMAT	CDF_CHAR	sec70base
COLUMNS	CDF_CHAR	0-0

(Back to chapter 42)

42.4.2 PM, radial-theta arry, 6 Eq stps, 25 radial, 20 theta

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	radial-theta arry, 6 Eq stps, 25 radial, 20 theta
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	65535
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	65535
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PM
UNITS	CDF_CHAR	cts/(600 sec)
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PM, radial-theta arry, 6 Eq stps, 25 radial, 20 theta
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	1-3000

(Back to chapter 42)

42.5 zVariables

No zVariables (Back to chapter 42)

42.6 end

section is empty (Back to chapter 42)

Chapter 43

PM TA L0 V03

Contents

43.1 header 447

43.2 GLOBALattributes 448

43.3 VARIABLEattributes 449

43.4 variables 449

43.4.1 Epoch, Time TAI 449

43.4.2 PM, PM theta array, 6 Eq steps, 20 bins per 100sec 450

43.5 zVariables 450

43.6 end 450

43.1 header

CDF NAME:	SO_CEL_PM_TA_L0_V03				
DATA ENCODING:	NETWORK				
MAJORITY:	COLUMN				
FORMAT:	SINGLE				
Variables	G.Attributes	V.Attributes	Records	Dims	Sizes
2/0	21	17	0/z	1	120

(Back to chapter 43)

43.2 GLOBALattributes

TITLE	1:	CDF_CHAR	PM theta array
Project	1:	CDF_CHAR	ISTP>International Solar-Terrestrial Physics
Discipline	1:	CDF_CHAR	Solar Physics>Solar Wind
Source_name	1:	CDF_CHAR	SO>Solar Heliospheric Observatory (SOHO)
Descriptor	1:	CDF_CHAR	CEL>Charge, Element and Isotope Analysis System (C
	2:	CDF_CHAR	ELIAS)
Detector	1:	CDF_CHAR	PM>Proton Monitor
Series_name	1:	CDF_CHAR	TA>Theta Array
Data_type	1:	CDF_CHAR	L0>Level 0
Logical_source	1:	CDF_CHAR	SO_CEL_PM_TA_L0
TEXT	1:	CDF_CHAR	A description of the CELIAS instrument and
	2:	CDF_CHAR	scientific scope can be found on WWW
	3:	CDF_CHAR	at https://www.ieap.uni-kiel.de/et/soho/celias/
	4:	CDF_CHAR	or on the SOHO homepage at
	5:	CDF_CHAR	http://sohowww.nascom.nasa.gov/.
	6:	CDF_CHAR	A written description of CELIAS
	7:	CDF_CHAR	will appear in the special issue of
	8:	CDF_CHAR	Solar Physics dedicated to SOHO.
Data_version	1:	CDF_CHAR	01
MODS	1:	CDF_CHAR	<cwrap!actual_date>
skeleton_version	1:	CDF_CHAR	01
software_version	1:	CDF_CHAR	<cwrap!cwrap_version>
ADID_ref	1:	CDF_CHAR	NSSD0195
PI_name	1:	CDF_CHAR	Robert F. Wimmer-Schweingruber
PI_affiliation	1:	CDF_CHAR	Institut fuer Experimentelle und Angewandte Physik,
	2:	CDF_CHAR	Christian Albrechts Universitaet Kiel,
	3:	CDF_CHAR	Leibnizstr 11,
	4:	CDF_CHAR	24118 Kiel, Germany
Mission_group	1:	CDF_CHAR	SOHO
Instrument_type	1:	CDF_CHAR	Particles (space)
TEXT_supplement	1:	CDF_CHAR	PM theta arrays, 6 Eq steps, 20 bins per 100 sec,
	2:	CDF_CHAR	contains Theta (Beta, SW N-S angle) information.
TEXT_FOR_UOB	1:	CDF_CHAR	weygand

(Back to chapter 43)

43.3 VARIABLEattributes

FIELDNAM	
VALIDMIN	
VALIDMAX	
SCALETYP	
SCALEMIN	
SCALEMAX	
UNITS	
LABLAXIS	
FORMAT	
DEPEND_0	
!	DEPEND_1
!	DEPEND_2
!	DEPEND_3
!	DEPEND_4
!	DEPEND_5
MONOTON	
VAR_TYPE	
FILLVAL	
DISPLAY_TYPE	
CATDESC	
COLUMNS	
TIME_FORMAT	

(Back to chapter 43)

43.4 variables

Variable Name	Data Type	Number Elements	Record Variance	Dimension Variances
Epoch	CDF_EPOCH	1	T	F
PM	CDF_INT4	1	T	T

(Back to chapter 43)

43.4.1 Epoch, Time TAI

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Time TAI
VALIDMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
VALIDMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALEMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
SCALEMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Epoch
UNITS	CDF_CHAR	ms
VAR_TYPE	CDF_CHAR	support_data
CATDESC	CDF_CHAR	Epoch, Time TAI
FILLVAL	CDF_EPOCH	31-Dec-9999 23:59:59.999
DISPLAY_TYPE	CDF_CHAR	time_series
MONOTON	CDF_CHAR	INCREASE
TIME_FORMAT	CDF_CHAR	sec70base
COLUMNS	CDF_CHAR	0-0

(Back to chapter 43)

43.4.2 PM, PM theta array, 6 Eq steps, 20 bins per 100sec

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	PM theta array, 6 Eq steps, 20 bins per 100sec
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	65535
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	65535
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PM
UNITS	CDF_CHAR	cts/(100 sec)
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PM, PM theta array, 6 Eq steps, 20 bins per 100sec
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	1-120

(Back to chapter 43)

43.5 zVariables

No zVariables (Back to chapter 43)

43.6 end

section is empty (Back to chapter 43)

Chapter 44

PM TA LA V03

Contents

44.1 header 451

44.2 GLOBALattributes 452

44.3 VARIABLEattributes 453

44.4 variables 453

44.4.1 Epoch, Time TAI 453

44.4.2 PM, PM theta array, 6 Eq steps, 20 bins per 100sec 454

44.5 zVariables 454

44.6 end 454

44.1 header

CDF NAME:	SO_CEL_PM_TA_LA_V02				
DATA ENCODING:	NETWORK				
MAJORITY:	COLUMN				
FORMAT:	SINGLE				
Variables	G.Attributes	V.Attributes	Records	Dims	Sizes
2/0	21	17	0/z	1	120

(Back to chapter 44)

44.2 GLOBALattributes

TITLE	1:	CDF_CHAR	PM theta array
Project	1:	CDF_CHAR	ISTP>International Solar-Terrestrial Physics
Discipline	1:	CDF_CHAR	Solar Physics>Solar Wind
Source_name	1:	CDF_CHAR	SO>Solar Heliospheric Observatory (SOHO)
Descriptor	1:	CDF_CHAR	CEL>Charge, Element and Isotope Analysis System (C
	2:	CDF_CHAR	ELIAS)
Detector	1:	CDF_CHAR	PM>Proton Monitor
Series_name	1:	CDF_CHAR	TA>Theta Array
Data_type	1:	CDF_CHAR	LA>Level ASCII
Logical_source	1:	CDF_CHAR	SO_CEL_PM_TA_LA
TEXT	1:	CDF_CHAR	A description of the CELIAS instrument and
	2:	CDF_CHAR	scientific scope can be found on WWW
	3:	CDF_CHAR	at https://www.ieap.uni-kiel.de/et/soho/celias/
	4:	CDF_CHAR	or on the SOHO homepage at
	5:	CDF_CHAR	http://sohowww.nascom.nasa.gov/.
	6:	CDF_CHAR	A written description of CELIAS
	7:	CDF_CHAR	will appear in the special issue of
	8:	CDF_CHAR	Solar Physics dedicated to SOHO.
Data_version	1:	CDF_CHAR	01
MODS	1:	CDF_CHAR	<cwrap!actual_date>
skeleton_version	1:	CDF_CHAR	01
software_version	1:	CDF_CHAR	<cwrap!cwrap_version>
ADID_ref	1:	CDF_CHAR	NSSD0195
PI_name	1:	CDF_CHAR	Robert F. Wimmer-Schweingruber
PI_affiliation	1:	CDF_CHAR	Institut fuer Experimentelle und Angewandte Physik,
	2:	CDF_CHAR	Christian Albrechts Universitaet Kiel,
	3:	CDF_CHAR	Leibnizstr 11,
	4:	CDF_CHAR	24118 Kiel, Germany
Mission_group	1:	CDF_CHAR	SOHO
Instrument_type	1:	CDF_CHAR	Particles (space)
TEXT_supplement	1:	CDF_CHAR	PM theta arrays, 6 Eq steps, 20 bins per 100 sec,
	2:	CDF_CHAR	contains Theta (Beta, SW N-S angle) information.
TEXT_FOR_UOB	1:	CDF_CHAR	weygand

(Back to chapter 44)

44.3 VARIABLEattributes

FIELDNAM	
VALIDMIN	
VALIDMAX	
SCALETYP	
SCALEMIN	
SCALEMAX	
UNITS	
LABLAXIS	
FORMAT	
DEPEND_0	
!	DEPEND_1
!	DEPEND_2
!	DEPEND_3
!	DEPEND_4
!	DEPEND_5
MONOTON	
VAR_TYPE	
FILLVAL	
DISPLAY_TYPE	
CATDESC	
COLUMNS	
TIME_FORMAT	

(Back to chapter 44)

44.4 variables

Variable Name	Data Type	Number Elements	Record Variance	Dimension Variances
Epoch	CDF_EPOCH	1	T	F
PM	CDF_INT4	1	T	T

(Back to chapter 44)

44.4.1 Epoch, Time TAI

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Time TAI
VALIDMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
VALIDMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALEMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
SCALEMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Epoch
UNITS	CDF_CHAR	ms
VAR_TYPE	CDF_CHAR	support_data
CATDESC	CDF_CHAR	Epoch, Time TAI
FILLVAL	CDF_EPOCH	31-Dec-9999 23:59:59.999
DISPLAY_TYPE	CDF_CHAR	time_series
MONOTON	CDF_CHAR	INCREASE
TIME_FORMAT	CDF_CHAR	sec70base
COLUMNS	CDF_CHAR	0-0

(Back to chapter 44)

44.4.2 PM, PM theta array, 6 Eq steps, 20 bins per 100sec

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	PM theta array, 6 Eq steps, 20 bins per 100sec
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	65535
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	65535
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PM
UNITS	CDF_CHAR	cts/(100 sec)
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PM, PM theta array, 6 Eq steps, 20 bins per 100sec
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	1-120

(Back to chapter 44)

44.5 zVariables

No zVariables (Back to chapter 44)

44.6 end

section is empty (Back to chapter 44)

Chapter 45

STOF DI L0 V03

Contents

45.1 header 461
45.2 GLOBALattributes 461
45.3 VARIABLEattributes 462
45.4 variables 464
45.4.1 Epoch, Time TAI 465
45.4.2 EID0, Event Identification 0 465
45.4.3 EFCntr0, Event Control 466
45.4.4 HyAddr0, Event Control 466
45.4.5 PEner00, Hybrid pixel readout 0 Energy 0 467
45.4.6 PEner10, Hybrid pixel readout 0 Energy 1 467
45.4.7 PEner20, Hybrid pixel readout 0 Energy 2 468
45.4.8 PEner30, Hybrid pixel readout 0 Energy 3 468
45.4.9 EID1, Event Identification 1 469
45.4.10 EFCntr1, Event Control 1 469
45.4.11 HyAddr1, Hybrid Adress 1 470
45.4.12 PEner01, Hybrid pixel readout 1 Energy 0 470
45.4.13 PEner11, Hybrid pixel readout 1 Energy 1 471
45.4.14 PEner21, Hybrid pixel readout 1 Energy 2 471
45.4.15 PEner31, Hybrid pixel readout 1 Energy 3 472
45.4.16 EID2, Event Identification 2 472
45.4.17 EFCntr2, Event Control 2 473
45.4.18 HyAddr2, Hybrid Address 2 473
45.4.19 PEner02, Hybrid pixel readout 2 Energy 0 474
45.4.20 PEner12, Hybrid pixel readout 2 Energy 1 474
45.4.21 PEner22, Hybrid pixel readout 2 Energy 2 475
45.4.22 PEner32, Hybrid pixel readout 2 Energy 3 475
45.4.23 EID3, Event Identification 3 476
45.4.24 EFCntr3, Event Control 3 476
45.4.25 HyAddr3, Hybrid Adress 3 477
45.4.26 PEner03, Hybrid pixel readout 3 Energy 0 477
45.4.27 PEner13, Hybrid pixel readout 3 Energy 1 478
45.4.28 PEner23, Hybrid pixel readout 3 Energy 2 478
45.4.29 PEner33, Hybrid pixel readout 3 Energy 3 479
45.4.30 EID4, Event Identification 4 479
45.4.31 EFCntr4, Event Control 4 480

45.4.32 HyAddr4, Hybrid Address 4 480
45.4.33 PEner04, Hybrid pixel readout 4 481
45.4.34 PEner14, Hybrid pixel readout 4 481
45.4.35 PEner24, Hybrid pixel readout 4 482
45.4.36 PEner34, Hybrid pixel readout 4 482
45.4.37 EID5, Event Identification 5 483
45.4.38 EFCntr5, Event Control 5 483
45.4.39 HyAddr5, Hybrid Address 5 484
45.4.40 PEner05, Hybrid pixel readout 5 Energy 0 484
45.4.41 PEner15, Hybrid pixel readout 5 Energy 1 485
45.4.42 PEner25, Hybrid pixel readout 5 Energy 2 485
45.4.43 PEner35, Hybrid pixel readout 5 Energy 3 486
45.4.44 EID6, Event Identification 6 486
45.4.45 EFCntr6, Event Control 6 487
45.4.46 HyAddr6, Hybrid Address 6 487
45.4.47 Pener06, Hybrid pixel readout 6 Energy 0 488
45.4.48 Pener16, Hybrid pixel readout 6 Energy 1 488
45.4.49 Pener26, Hybrid pixel readout 6 Energy 2 489
45.4.50 Pener36, Hybrid pixel readout 6 Energy 3 489
45.4.51 EID7, Event Identification 7 490
45.4.52 EFCntr7, Event Control 7 490
45.4.53 HyAddr7, Hybrid Address 7 491
45.4.54 PEner07, Hybrid pixel readout 7 Energy 0 491
45.4.55 PEner17, Hybrid pixel readout 7 Energy 1 492
45.4.56 PEner27, Hybrid pixel readout 7 Energy 2 492
45.4.57 PEner37, Hybrid pixel readout 7 Energy 3 493
45.4.58 TID0, Threshold Identification 0 493
45.4.59 TFCntr0, Threshold Control 0 494
45.4.60 PThre00u, Position threshold 00u 494
45.4.61 PThre10u, Position threshold 10u 495
45.4.62 PThre20u, Position threshold 20u 495
45.4.63 PThre30u, Position threshold 30u 496
45.4.64 PThre40u, Position threshold 40u 496
45.4.65 PThre50u, Position threshold 50u 497
45.4.66 PThre60u, Position threshold 60u 497
45.4.67 PThre00v, Position threshold 00v 498
45.4.68 PThre10v, Position threshold 10v 498
45.4.69 PThre20v, Position threshold 20v 499
45.4.70 PThre30v, Position threshold 30v 499
45.4.71 PThre40v, Position threshold 40v 500
45.4.72 PThre50v, Position threshold 50v 500
45.4.73 PThre60v, Position threshold 60v 501
45.4.74 PThre00w, Position threshold 00w 501
45.4.75 PThre10w, Position threshold 10w 502
45.4.76 PThre20w, Position threshold 20w 502
45.4.77 PThre30w, Position threshold 30w 503
45.4.78 PThre40w, Position threshold 40w 503
45.4.79 PThre50w, Position threshold 50w 504
45.4.80 PThre60w, Position threshold 60w 504
45.4.81 PThre00x, Position threshold 00x 505

45.4.82 PThre10x, Position threshold 10x 505
45.4.83 PThre20x, Position threshold 20x 506
45.4.84 PThre30x, Position threshold 30x 506
45.4.85 PThre40x, Position threshold 40x 507
45.4.86 PThre50x, Position threshold 50x 507
45.4.87 PThre60x, Position threshold 60x 508
45.4.88 PThre00y, Position threshold 00y 508
45.4.89 PThre10y, Position threshold 10y 509
45.4.90 PThre20y, Position threshold 20y 509
45.4.91 PThre30y, Position threshold 30y 510
45.4.92 PThre40y, Position threshold 40y 510
45.4.93 PThre50y, Position threshold 50y 511
45.4.94 PThre60y, Position threshold 60y 511
45.4.95 PThre00z, Position threshold 00z 512
45.4.96 PThre10z, Position threshold 10z 512
45.4.97 PThre20z, Position threshold 20z 513
45.4.98 PThre30z, Position threshold 30z 513
45.4.99 PThre40z, Position threshold 40z 514
45.4.100 PThre50z, Position threshold 50z 514
45.4.101 PThre60z, Position threshold 60z 515
45.4.102 TID1, Threshold Identification 1 515
45.4.103 TFCntr, Threshold Control 1 516
45.4.104 PThre01u, Position threshold 01u 516
45.4.105 PThre11u, Position threshold 11u 517
45.4.106 PThre21u, Position threshold 21u 517
45.4.107 PThre31u, Position threshold 31u 518
45.4.108 PThre41u, Position threshold 41u 518
45.4.109 PThre51u, Position threshold 51u 519
45.4.110 PThre61u, Position threshold 61u 519
45.4.111 PThre01v, Position threshold 01v 520
45.4.112 PThre11v, Position threshold 11v 520
45.4.113 PThre21v, Position threshold 21v 521
45.4.114 PThre31v, Position threshold 31v 521
45.4.115 PThre41v, Position threshold 41v 522
45.4.116 PThre51v, Position threshold 51v 522
45.4.117 PThre61v, Position threshold 61v 523
45.4.118 PThre01w, Position threshold 01w 523
45.4.119 PThre11w, Position threshold 11w 524
45.4.120 PThre21w, Position threshold 21w 524
45.4.121 PThre31w, Position threshold 31w 525
45.4.122 PThre41w, Position threshold 41w 525
45.4.123 PThre51w, Position threshold 51w 526
45.4.124 PThre61w, Position threshold 61w 526
45.4.125 PThre01x, Position threshold 01x 527
45.4.126 PThre11x, Position threshold 11x 527
45.4.127 PThre21x, Position threshold 21x 528
45.4.128 PThre31x, Position threshold 31x 528
45.4.129 PThre41x, Position threshold 41x 529
45.4.130 PThre51x, Position threshold 51x 529
45.4.131 PThre61x, Position threshold 61x 530

45.4.132PThre01y, Position threshold 01y 530
45.4.133PThre11y, Position threshold 11y 531
45.4.134PThre21y, Position threshold 21y 531
45.4.135PThre31y, Position threshold 31y 532
45.4.136PThre41y, Position threshold 41y 532
45.4.137PThre51y, Position threshold 51y 533
45.4.138PThre61y, Position threshold 61y 533
45.4.139PThre01z, Position threshold 01z 534
45.4.140PThre11z, Position threshold 11z 534
45.4.141PThre21z, Position threshold 21z 535
45.4.142PThre31z, Position threshold 31z 535
45.4.143PThre41z, Position threshold 41z 536
45.4.144PThre51z, Position threshold 51z 536
45.4.145PThre61z, Position threshold 61z 537
45.4.146TID2, Threshold Identification 2 537
45.4.147TFCntr2, Threshold Control 2 538
45.4.148PThre02u, Position threshold 02u 538
45.4.149PThre12u, Position threshold 12u 539
45.4.150PThre22u, Position threshold 22u 539
45.4.151PThre32u, Position threshold 32u 540
45.4.152PThre42u, Position threshold 42u 540
45.4.153PThre52u, Position threshold 52u 541
45.4.154PThre62u, Position threshold 62u 541
45.4.155PThre02v, Position threshold 02v 542
45.4.156PThre12v, Position threshold 12v 542
45.4.157PThre22v, Position threshold 22v 543
45.4.158PThre32v, Position threshold 32v 543
45.4.159PThre42v, Position threshold 42v 544
45.4.160PThre52v, Position threshold 52v 544
45.4.161PThre62v, Position threshold 62v 545
45.4.162PThre02w, Position threshold 02w 545
45.4.163PThre12w, Position threshold 12w 546
45.4.164PThre22w, Position threshold 22w 546
45.4.165PThre32w, Position threshold 32w 547
45.4.166PThre42w, Position threshold 42w 547
45.4.167PThre52w, Position threshold 52w 548
45.4.168PThre62w, Position threshold 62w 548
45.4.169PThre02x, Position threshold 02x 549
45.4.170PThre12x, Position threshold 12x 549
45.4.171PThre22x, Position threshold 22x 550
45.4.172PThre32x, Position threshold 32x 550
45.4.173PThre42x, Position threshold 42x 551
45.4.174PThre52x, Position threshold 52x 551
45.4.175PThre62x, Position threshold 62x 552
45.4.176PThre02y, Position threshold 02y 552
45.4.177PThre12y, Position threshold 12y 553
45.4.178PThre22y, Position threshold 22y 553
45.4.179PThre32y, Position threshold 32y 554
45.4.180PThre42y, Position threshold 42y 554
45.4.181PThre52y, Position threshold 52y 555

45.4.182PThre62y, Position threshold 62y 555
45.4.183PThre02z, Position threshold 02z 556
45.4.184PThre12z, Position threshold 12z 556
45.4.185PThre22z, Position threshold 22z 557
45.4.186PThre32z, Position threshold 32z 557
45.4.187PThre42z, Position threshold 42z 558
45.4.188PThre52z, Position threshold 52z 558
45.4.189PThre62z, Position threshold 62z 559
45.4.190TID3, Threshold Identification 3 559
45.4.191TFCntr3, Threshold Control 3 560
45.4.192PTre03u, Position threshold 03u 560
45.4.193PTre13u, Position threshold 13u 561
45.4.194PTre23u, Position threshold 23u 561
45.4.195PTre33u, Position threshold 33u 562
45.4.196PTre43u, Position threshold 43u 562
45.4.197PTre53u, Position threshold 53u 563
45.4.198PTre63u, Position threshold 63u 563
45.4.199PTre03v, Position threshold 03v 564
45.4.200PTre13v, Position threshold 13v 564
45.4.201PTre23v, Position threshold 23v 565
45.4.202PTre33v, Position threshold 33v 565
45.4.203PTre43v, Position threshold 43v 566
45.4.204PTre53v, Position threshold 53v 566
45.4.205PTre63v, Position threshold 63v 567
45.4.206PTre03w, Position threshold 03w 567
45.4.207PTre13w, Position threshold 13w 568
45.4.208PTre23w, Position threshold 23w 568
45.4.209PTre33w, Position threshold 33w 569
45.4.210PTre43w, Position threshold 43w 569
45.4.211PTre53w, Position threshold 53w 570
45.4.212PTre63w, Position threshold 63w 570
45.4.213PTre03x, Position threshold 03x 571
45.4.214PTre13x, Position threshold 13x 571
45.4.215PTre23x, Position threshold 23x 572
45.4.216PTre33x, Position threshold 33x 572
45.4.217PTre43x, Position threshold 43x 573
45.4.218PTre53x, Position threshold 53x 573
45.4.219PTre63x, Position threshold 63x 574
45.4.220PTre03y, Position threshold 03y 574
45.4.221PTre13y, Position threshold 13y 575
45.4.222PTre23y, Position threshold 23y 575
45.4.223PTre33y, Position threshold 33y 576
45.4.224PTre43y, Position threshold 43y 576
45.4.225PTre53y, Position threshold 53y 577
45.4.226PTre63y, Position threshold 63y 577
45.4.227PTre03z, Position threshold 03z 578
45.4.228PTre13z, Position threshold 13z 578
45.4.229PTre23z, Position threshold 23z 579
45.4.230PTre33z, Position threshold 33z 579
45.4.231PTre43z, Position threshold 43z 580

45.4.232PTre53z, Position threshold 53z 580
45.4.233PTre63z, Position threshold 63z 581
45.4.234TID4, Threshold Identification 4 581
45.4.235TFCntr4, Threshold Control 4 582
45.4.236PTre04u, Position threshold 04u 582
45.4.237PTre14u, Position threshold 14u 583
45.4.238PTre24u, Position threshold 24u 583
45.4.239PTre34u, Position threshold 34u 584
45.4.240PTre44u, Position threshold 44u 584
45.4.241PTre54u, Position threshold 54u 585
45.4.242PTre64u, Position threshold 64u 585
45.4.243PTre04v, Position threshold 04v 586
45.4.244PTre14v, Position threshold 14v 586
45.4.245PTre24v, Position threshold 24v 587
45.4.246PTre34v, Position threshold 34v 587
45.4.247PTre44v, Position threshold 44v 588
45.4.248PTre54v, Position threshold 54v 588
45.4.249PTre64v, Position threshold 64v 589
45.4.250PTre04w, Position threshold 04w 589
45.4.251PTre14w, Position threshold 14w 590
45.4.252PTre24w, Position threshold 24w 590
45.4.253PTre34w, Position threshold 34w 591
45.4.254PTre44w, Position threshold 44w 591
45.4.255PTre54w, Position threshold 54w 592
45.4.256PTre64w, Position threshold 64w 592
45.4.257PTre04x, Position threshold 04x 593
45.4.258PTre14x, Position threshold 14x 593
45.4.259PTre24x, Position threshold 24x 594
45.4.260PTre34x, Position threshold 34x 594
45.4.261PTre44x, Position threshold 44x 595
45.4.262PTre54x, Position threshold 54x 595
45.4.263PTre64x, Position threshold 64x 596
45.4.264PTre04y, Position threshold 04y 596
45.4.265PTre14y, Position threshold 14y 597
45.4.266PTre24y, Position threshold 24y 597
45.4.267PTre34y, Position threshold 34y 598
45.4.268PTre44y, Position threshold 44y 598
45.4.269PTre54y, Position threshold 54y 599
45.4.270PTre64y, Position threshold 64y 599
45.4.271PTre04z, Position threshold 04z 600
45.4.272PTre14z, Position threshold 14z 600
45.4.273PTre24z, Position threshold 24z 601
45.4.274PTre34z, Position threshold 34z 601
45.4.275PTre44z, Position threshold 44z 602
45.4.276PTre54z, Position threshold 54z 602
45.4.277PTre64z, Position threshold 64z 603
45.5 zVariables 603
45.6 end 603

45.1 header

CDF NAME:	SO_CEL_STOF_DI_L0_V03				
DATA ENCODING:	NETWORK				
MAJORITY:	COLUMN				
FORMAT:	SINGLE				
Variables	G.Attributes	V.Attributes	Records	Dims	Sizes
277/0	21	17	0/z	0	

(Back to chapter 45)

45.2 GLOBALattributes

TITLE	1:	CDF_CHAR	STOF diagnostic
Project	1:	CDF_CHAR	ISTP>International Solar-Terrestrial Physics
Discipline	1:	CDF_CHAR	Solar Physics>Solar Wind
Source_name	1:	CDF_CHAR	SO>Solar Heliospheric Observatory (SOHO)
Descriptor	1:	CDF_CHAR	CEL>Charge, Element and Isotope Analysis System (C
	2:	CDF_CHAR	ELIAS)
Detector	1:	CDF_CHAR	STOF>Suprathermal Time Of Flight
Series_name	1:	CDF_CHAR	DI>Diagnostic
Data_type	1:	CDF_CHAR	L0>Level 0
Logical_source	1:	CDF_CHAR	SO_CEL_STOF_DI_L0
TEXT	1:	CDF_CHAR	A description of the CELIAS instrument and
	2:	CDF_CHAR	scientific scope can be found on WWW
	3:	CDF_CHAR	at https://www.ieap.uni-kiel.de/et/soho/celias/
	4:	CDF_CHAR	or on the SOHO homepage at
	5:	CDF_CHAR	http://sohowww.nascom.nasa.gov/.
	6:	CDF_CHAR	A written description of CELIAS
	7:	CDF_CHAR	will appear in the special issue of
	8:	CDF_CHAR	Solar Physics dedicated to SOHO.
Data_version	1:	CDF_CHAR	01
MODS	1:	CDF_CHAR	<cwrap!actual_date>
skeleton_version	1:	CDF_CHAR	01
software_version	1:	CDF_CHAR	<cwrap!cwrap_version>
ADID_ref	1:	CDF_CHAR	NSSD0195
PI_name	1:	CDF_CHAR	Robert F. Wimmer-Schweingruber
PI_affiliation	1:	CDF_CHAR	Institut fuer Experimentelle und Angewandte Physik,
	2:	CDF_CHAR	Christian Albrechts Universitaet Kiel,
	3:	CDF_CHAR	Leibnizstr 11,
	4:	CDF_CHAR	24118 Kiel, Germany
Mission_group	1:	CDF_CHAR	SOHO
Instrument_type	1:	CDF_CHAR	Particles (space)
TEXT_supplement	1:	CDF_CHAR	Diagnostic block STOF indicates which pixels have
	2:	CDF_CHAR	responded to an event.
TEXT_FOR_UOB	1:	CDF_CHAR	Weygand

(Back to chapter 45)

45.3 VARIABLEattributes

FIELDNAM	
VALIDMIN	
VALIDMAX	
SCALETYP	
SCALEMIN	
SCALEMAX	
UNITS	
LABLAXIS	
FORMAT	
DEPEND_0	
!	DEPEND_1
!	DEPEND_2
!	DEPEND_3
!	DEPEND_4
!	DEPEND_5
MONOTON	
VAR_TYPE	
FILLVAL	
DISPLAY_TYPE	
CATDESC	
COLUMNS	
TIME_FORMAT	

(Back to chapter 45)

45.4 variables

Variable Name	Data Type	Number Elements	Record Variance	Dimension Variances
Epoch	CDF_EPOCH	1	T	
EID0	CDF_UINT1	1	T	
EFCntr0	CDF_UINT1	1	T	
HyAddr0	CDF_UINT1	1	T	
PEner00	CDF_INT2	1	T	
PEner10	CDF_INT2	1	T	
PEner20	CDF_INT2	1	T	
PEner30	CDF_INT2	1	T	
EID1	CDF_UINT1	1	T	
EFCntr1	CDF_UINT1	1	T	
HyAddr1	CDF_UINT1	1	T	
PEner01	CDF_INT2	1	T	
PEner11	CDF_INT2	1	T	
PEner21	CDF_INT2	1	T	
PEner31	CDF_INT2	1	T	
EID2	CDF_UINT1	1	T	
EFCntr2	CDF_UINT1	1	T	
HyAddr2	CDF_UINT1	1	T	
PEner02	CDF_INT2	1	T	
PEner12	CDF_INT2	1	T	
PEner22	CDF_INT2	1	T	
PEner32	CDF_INT2	1	T	
EID3	CDF_UINT1	1	T	
EFCntr3	CDF_UINT1	1	T	
HyAddr3	CDF_UINT1	1	T	
PEner03	CDF_INT2	1	T	
PEner13	CDF_INT2	1	T	
PEner23	CDF_INT2	1	T	
PEner33	CDF_INT2	1	T	
EID4	CDF_UINT1	1	T	
EFCntr4	CDF_UINT1	1	T	
HyAddr4	CDF_UINT1	1	T	
PEner04	CDF_INT2	1	T	
PEner14	CDF_INT2	1	T	
PEner24	CDF_INT2	1	T	
PEner34	CDF_INT2	1	T	
EID5	CDF_UINT1	1	T	
EFCntr5	CDF_UINT1	1	T	
HyAddr5	CDF_UINT1	1	T	
PEner05	CDF_INT2	1	T	
PEner15	CDF_INT2	1	T	
PEner25	CDF_INT2	1	T	
PEner35	CDF_INT2	1	T	
EID6	CDF_UINT1	1	T	
EFCntr6	CDF_UINT1	1	T	
HyAddr6	CDF_UINT1	1	T	
Pener06	CDF_INT2	1	T	
Pener16	CDF_INT2	1	T	
Pener26	CDF_INT2	1	T	
Pener36	CDF_INT2	1	T	
EID7	CDF_UINT1	1	T	
EFCntr7	CDF_UINT1	1	T	
HyAddr7	CDF_UINT1	1	T	
PEner07	CDF_INT2	1	T	

45.4.1 Epoch, Time TAI

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Time TAI
VALIDMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
VALIDMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALEMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
SCALEMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Epoch
UNITS	CDF_CHAR	ms
VAR_TYPE	CDF_CHAR	support_data
CATDESC	CDF_CHAR	Epoch, Time TAI
FILLVAL	CDF_EPOCH	31-Dec-9999 23:59:59.999
DISPLAY_TYPE	CDF_CHAR	time_series
MONOTON	CDF_CHAR	INCREASE
TIME_FORMAT	CDF_CHAR	sec70base
COLUMNS	CDF_CHAR	0-0

(Back to chapter 45)

45.4.2 EID0, Event Identification 0

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Event Identification 0
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	250
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	250
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	EID0
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	EID0, Event Identification 0
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	1-1

(Back to chapter 45)

45.4.3 EFCntr0, Event Control

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Event Control
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	250
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	250
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	EFCntr0
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	EFCntr0, Event Control
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	2-2

(Back to chapter 45)

45.4.4 HyAddr0, Event Control

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Event Control
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	250
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	250
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	HyAddr0
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	HyAddr0, Event Control
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	3-3

(Back to chapter 45)

45.4.5 PEner00, Hybrid pixel readout 0 Energy 0

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Hybrid pixel readout 0 Energy 0
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PEner00
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PEner00, Hybrid pixel readout 0 Energy 0
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	4-4

(Back to chapter 45)

45.4.6 PEner10, Hybrid pixel readout 0 Energy 1

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Hybrid pixel readout 0 Energy 1
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PEner10
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PEner10, Hybrid pixel readout 0 Energy 1
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	5-5

(Back to chapter 45)

45.4.7 PEner20, Hybrid pixel readout 0 Energy 2

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Hybrid pixel readout 0 Energy 2
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PEner20
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PEner20, Hybrid pixel readout 0 Energy 2
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	6-6

(Back to chapter 45)

45.4.8 PEner30, Hybrid pixel readout 0 Energy 3

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Hybrid pixel readout 0 Energy 3
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PEner30
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PEner30, Hybrid pixel readout 0 Energy 3
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	7-7

(Back to chapter 45)

45.4.9 EID1, Event Identification 1

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Event Identification 1
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	250
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	250
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	EID1
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	EID1, Event Identification 1
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	8-8

(Back to chapter 45)

45.4.10 EFCntr1, Event Control 1

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Event Control 1
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	250
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	250
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	EFCntr1
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	EFCntr1, Event Control 1
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	9-9

(Back to chapter 45)

45.4.11 HyAddr1, Hybrid Adress 1

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Hybrid Adress 1
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	250
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	250
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	HyAddr1
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	HyAddr1, Hybrid Adress 1
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	10-10

(Back to chapter 45)

45.4.12 PEner01, Hybrid pixel readout 1 Energy 0

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Hybrid pixel readout 1 Energy 0
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PEner01
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PEner01, Hybrid pixel readout 1 Energy 0
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	11-11

(Back to chapter 45)

45.4.13 PEner11, Hybrid pixel readout 1 Energy 1

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Hybrid pixel readout 1 Energy 1
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PEner11
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PEner11, Hybrid pixel readout 1 Energy 1
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	12-12

(Back to chapter 45)

45.4.14 PEner21, Hybrid pixel readout 1 Energy 2

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Hybrid pixel readout 1 Energy 2
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PEner21
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PEner21, Hybrid pixel readout 1 Energy 2
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	13-13

(Back to chapter 45)

45.4.15 PEner31, Hybrid pixel readout 1 Energy 3

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Hybrid pixel readout 1 Energy 3
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PEner31
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PEner31, Hybrid pixel readout 1 Energy 3
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	14-14

(Back to chapter 45)

45.4.16 EID2, Event Identification 2

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Event Identification 2
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	250
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	250
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	EID2
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	EID2, Event Identification 2
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	15-15

(Back to chapter 45)

45.4.17 EFCntr2, Event Control 2

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Event Control 2
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	250
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	250
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	EFCntr2
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	EFCntr2, Event Control 2
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	16-16

(Back to chapter 45)

45.4.18 HyAddr2, Hybrid Address 2

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Hybrid Address 2
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	250
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	250
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	HyAddr2
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	HyAddr2, Hybrid Address 2
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	17-17

(Back to chapter 45)

45.4.19 PEner02, Hybrid pixel readout 2 Energy 0

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Hybrid pixel readout 2 Energy 0
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PEner02
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PEner02, Hybrid pixel readout 2 Energy 0
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	18-18

(Back to chapter 45)

45.4.20 PEner12, Hybrid pixel readout 2 Energy 1

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Hybrid pixel readout 2 Energy 1
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PEner12
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PEner12, Hybrid pixel readout 2 Energy 1
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	19-19

(Back to chapter 45)

45.4.21 PEner22, Hybrid pixel readout 2 Energy 2

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Hybrid pixel readout 2 Energy 2
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PEner22
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PEner22, Hybrid pixel readout 2 Energy 2
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	20-20

(Back to chapter 45)

45.4.22 PEner32, Hybrid pixel readout 2 Energy 3

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Hybrid pixel readout 2 Energy 3
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PEner32
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PEner32, Hybrid pixel readout 2 Energy 3
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	21-21

(Back to chapter 45)

45.4.23 EID3, Event Identification 3

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Event Identification 3
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	250
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	250
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	EID3
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	EID3, Event Identification 3
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	22-22

(Back to chapter 45)

45.4.24 EFCntr3, Event Control 3

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Event Control 3
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	250
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	250
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	EFCntr3
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	EFCntr3, Event Control 3
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	23-23

(Back to chapter 45)

45.4.25 HyAddr3, Hybrid Adress 3

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Hybrid Adress 3
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	250
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	250
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	HyAddr3
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	HyAddr3, Hybrid Adress 3
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	24-24

(Back to chapter 45)

45.4.26 PEner03, Hybrid pixel readout 3 Energy 0

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Hybrid pixel readout 3 Energy 0
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PEner03
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PEner03, Hybrid pixel readout 3 Energy 0
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	25-25

(Back to chapter 45)

45.4.27 PEner13, Hybrid pixel readout 3 Energy 1

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Hybrid pixel readout 3 Energy 1
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PEner13
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PEner13, Hybrid pixel readout 3 Energy 1
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	26-26

(Back to chapter 45)

45.4.28 PEner23, Hybrid pixel readout 3 Energy 2

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Hybrid pixel readout 3 Energy 2
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PEner23
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PEner23, Hybrid pixel readout 3 Energy 2
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	27-27

(Back to chapter 45)

45.4.29 PEner33, Hybrid pixel readout 3 Energy 3

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Hybrid pixel readout 3 Energy 3
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PEner33
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PEner33, Hybrid pixel readout 3 Energy 3
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	28-28

(Back to chapter 45)

45.4.30 EID4, Event Identification 4

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Event Identification 4
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	250
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	250
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	EID4
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	EID4, Event Identification 4
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	29-29

(Back to chapter 45)

45.4.31 EFCntr4, Event Control 4

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Event Control 4
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	250
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	250
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	EFCntr4
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	EFCntr4, Event Control 4
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	30-30

(Back to chapter 45)

45.4.32 HyAddr4, Hybrid Address 4

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Hybrid Address 4
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	250
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	250
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	HyAddr4
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	HyAddr4, Hybrid Address 4
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	31-31

(Back to chapter 45)

45.4.33 PEner04, Hybrid pixel readout 4

Attribute Name	Data Type	Value	
FIELDNAM	CDF_CHAR	Hybrid pixel readout 4	Energy 0
VALIDMIN	CDF_INT2	0	
VALIDMAX	CDF_INT2	32000	
SCALEMIN	CDF_INT2	0	
SCALEMAX	CDF_INT2	32000	
SCALETYP	CDF_CHAR	linear	
LABLAXIS	CDF_CHAR	PEner04	
UNITS	CDF_CHAR	-	
VAR_TYPE	CDF_CHAR	data	
CATDESC	CDF_CHAR	PEner04, Hybrid pixel readout 4	Energy 0
FILLVAL	CDF_INT2	-32767	
DISPLAY_TYPE	CDF_CHAR	time_series	
FORMAT	CDF_CHAR	I5	
DEPEND_0	CDF_CHAR	Epoch	
COLUMNS	CDF_CHAR	32-32	

(Back to chapter 45)

45.4.34 PEner14, Hybrid pixel readout 4

Attribute Name	Data Type	Value	
FIELDNAM	CDF_CHAR	Hybrid pixel readout 4	Energy 1
VALIDMIN	CDF_INT2	0	
VALIDMAX	CDF_INT2	32000	
SCALEMIN	CDF_INT2	0	
SCALEMAX	CDF_INT2	32000	
SCALETYP	CDF_CHAR	linear	
LABLAXIS	CDF_CHAR	PEner14	
UNITS	CDF_CHAR	-	
VAR_TYPE	CDF_CHAR	data	
CATDESC	CDF_CHAR	PEner14, Hybrid pixel readout 4	Energy 1
FILLVAL	CDF_INT2	-32767	
DISPLAY_TYPE	CDF_CHAR	time_series	
FORMAT	CDF_CHAR	I5	
DEPEND_0	CDF_CHAR	Epoch	
COLUMNS	CDF_CHAR	33-33	

(Back to chapter 45)

45.4.35 PEner24, Hybrid pixel readout 4

Attribute Name	Data Type	Value	
FIELDNAM	CDF_CHAR	Hybrid pixel readout 4	Energy 2
VALIDMIN	CDF_INT2	0	
VALIDMAX	CDF_INT2	32000	
SCALEMIN	CDF_INT2	0	
SCALEMAX	CDF_INT2	32000	
SCALETYP	CDF_CHAR	linear	
LABLAXIS	CDF_CHAR	PEner24	
UNITS	CDF_CHAR	-	
VAR_TYPE	CDF_CHAR	data	
CATDESC	CDF_CHAR	PEner24, Hybrid pixel readout 4	Energy 2
FILLVAL	CDF_INT2	-32767	
DISPLAY_TYPE	CDF_CHAR	time_series	
FORMAT	CDF_CHAR	I5	
DEPEND_0	CDF_CHAR	Epoch	
COLUMNS	CDF_CHAR	34-34	

(Back to chapter 45)

45.4.36 PEner34, Hybrid pixel readout 4

Attribute Name	Data Type	Value	
FIELDNAM	CDF_CHAR	Hybrid pixel readout 4	Energy 3
VALIDMIN	CDF_INT2	0	
VALIDMAX	CDF_INT2	32000	
SCALEMIN	CDF_INT2	0	
SCALEMAX	CDF_INT2	32000	
SCALETYP	CDF_CHAR	linear	
LABLAXIS	CDF_CHAR	PEner34	
UNITS	CDF_CHAR	-	
VAR_TYPE	CDF_CHAR	data	
CATDESC	CDF_CHAR	PEner34, Hybrid pixel readout 4	Energy 3
FILLVAL	CDF_INT2	-32767	
DISPLAY_TYPE	CDF_CHAR	time_series	
FORMAT	CDF_CHAR	I5	
DEPEND_0	CDF_CHAR	Epoch	
COLUMNS	CDF_CHAR	35-35	

(Back to chapter 45)

45.4.37 EID5, Event Identification 5

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Event Identification 5
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	250
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	250
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	EID5
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	EID5, Event Identification 5
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	36-36

(Back to chapter 45)

45.4.38 EFCntr5, Event Control 5

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Event Control 5
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	250
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	250
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	EFCntr5
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	EFCntr5, Event Control 5
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	37-37

(Back to chapter 45)

45.4.39 HyAddr5, Hybrid Address 5

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Hybrid Address 5
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	250
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	250
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	HyAddr5
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	HyAddr5, Hybrid Address 5
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	38-38

(Back to chapter 45)

45.4.40 PEner05, Hybrid pixel readout 5 Energy 0

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Hybrid pixel readout 5 Energy 0
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PEner05
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PEner05, Hybrid pixel readout 5 Energy 0
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	39-39

(Back to chapter 45)

45.4.41 PEner15, Hybrid pixel readout 5 Energy 1

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Hybrid pixel readout 5 Energy 1
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PEner15
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PEner15, Hybrid pixel readout 5 Energy 1
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	40-40

(Back to chapter 45)

45.4.42 PEner25, Hybrid pixel readout 5 Energy 2

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Hybrid pixel readout 5 Energy 2
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PEner25
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PEner25, Hybrid pixel readout 5 Energy 2
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	41-41

(Back to chapter 45)

45.4.43 PEner35, Hybrid pixel readout 5 Energy 3

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Hybrid pixel readout 5 Energy 3
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PEner35
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PEner35, Hybrid pixel readout 5 Energy 3
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	42-42

(Back to chapter 45)

45.4.44 EID6, Event Identification 6

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Event Identification 6
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	250
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	250
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	EID6
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	EID6, Event Identification 6
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	43-43

(Back to chapter 45)

45.4.45 EFCntr6, Event Control 6

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Event Control 6
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	250
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	250
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	EFCntr6
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	EFCntr6, Event Control 6
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	44-44

(Back to chapter 45)

45.4.46 HyAddr6, Hybrid Address 6

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Hybrid Address 6
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	250
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	250
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	HyAddr6
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	HyAddr6, Hybrid Address 6
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	45-45

(Back to chapter 45)

45.4.47 Pener06, Hybrid pixel readout 6 Energy 0

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Hybrid pixel readout 6 Energy 0
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Pener06
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	Pener06, Hybrid pixel readout 6 Energy 0
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	46-46

(Back to chapter 45)

45.4.48 Pener16, Hybrid pixel readout 6 Energy 1

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Hybrid pixel readout 6 Energy 1
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Pener16
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	Pener16, Hybrid pixel readout 6 Energy 1
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	47-47

(Back to chapter 45)

45.4.49 Pener26, Hybrid pixel readout 6 Energy 2

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Hybrid pixel readout 6 Energy 2
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Pener26
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	Pener26, Hybrid pixel readout 6 Energy 2
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	48-48

(Back to chapter 45)

45.4.50 Pener36, Hybrid pixel readout 6 Energy 3

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Hybrid pixel readout 6 Energy 3
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Pener36
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	Pener36, Hybrid pixel readout 6 Energy 3
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	49-49

(Back to chapter 45)

45.4.51 EID7, Event Identification 7

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Event Identification 7
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	250
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	250
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	EID7
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	EID7, Event Identification 7
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	50-50

(Back to chapter 45)

45.4.52 EFCntr7, Event Control 7

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Event Control 7
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	250
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	250
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	EFCntr7
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	EFCntr7, Event Control 7
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	51-51

(Back to chapter 45)

45.4.53 HyAddr7, Hybrid Address 7

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Hybrid Address 7
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	250
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	250
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	HyAddr7
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	HyAddr7, Hybrid Address 7
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	52-52

(Back to chapter 45)

45.4.54 PEner07, Hybrid pixel readout 7 Energy 0

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Hybrid pixel readout 7 Energy 0
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PEner07
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PEner07, Hybrid pixel readout 7 Energy 0
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	53-53

(Back to chapter 45)

45.4.55 PEner17, Hybrid pixel readout 7 Energy 1

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Hybrid pixel readout 7 Energy 1
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PEner17
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PEner17, Hybrid pixel readout 7 Energy 1
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	54-54

(Back to chapter 45)

45.4.56 PEner27, Hybrid pixel readout 7 Energy 2

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Hybrid pixel readout 7 Energy 2
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PEner27
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PEner27, Hybrid pixel readout 7 Energy 2
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	55-55

(Back to chapter 45)

45.4.57 PEner37, Hybrid pixel readout 7 Energy 3

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Hybrid pixel readout 7 Energy 3
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PEner37
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PEner37, Hybrid pixel readout 7 Energy 3
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	56-56

(Back to chapter 45)

45.4.58 TID0, Threshold Identification 0

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Threshold Identification 0
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	TID0
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	TID0, Threshold Identification 0
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	57-57

(Back to chapter 45)

45.4.59 TFCntr0, Threshold Control 0

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Threshold Control 0
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	TFCntr0
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	TFCntr0, Threshold Control 0
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	58-58

(Back to chapter 45)

45.4.60 PThre00u, Position threshold 00u

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 00u
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre00u
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre00u, Position threshold 00u
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	59-59

(Back to chapter 45)

45.4.61 PThre10u, Position threshold 10u

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 10u
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre10u
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre10u, Position threshold 10u
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	60-60

(Back to chapter 45)

45.4.62 PThre20u, Position threshold 20u

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 20u
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre20u
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre20u, Position threshold 20u
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	61-61

(Back to chapter 45)

45.4.63 PThre30u, Position threshold 30u

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 30u
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre30u
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre30u, Position threshold 30u
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	62-62

(Back to chapter 45)

45.4.64 PThre40u, Position threshold 40u

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 40u
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre40u
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre40u, Position threshold 40u
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	63-63

(Back to chapter 45)

45.4.65 PThre50u, Position threshold 50u

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 50u
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre50u
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre50u, Position threshold 50u
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	64-64

(Back to chapter 45)

45.4.66 PThre60u, Position threshold 60u

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 60u
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre60u
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre60u, Position threshold 60u
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	65-65

(Back to chapter 45)

45.4.67 PThre00v, Position threshold 00v

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 00v
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre00v
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre00v, Position threshold 00v
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	66-66

(Back to chapter 45)

45.4.68 PThre10v, Position threshold 10v

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 10v
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre10v
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre10v, Position threshold 10v
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	67-67

(Back to chapter 45)

45.4.69 PThre20v, Position threshold 20v

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 20v
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre20v
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre20v, Position threshold 20v
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	68-68

(Back to chapter 45)

45.4.70 PThre30v, Position threshold 30v

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 30v
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre30v
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre30v, Position threshold 30v
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	69-69

(Back to chapter 45)

45.4.71 PThre40v, Position threshold 40v

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 40v
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre40v
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre40v, Position threshold 40v
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	70-70

(Back to chapter 45)

45.4.72 PThre50v, Position threshold 50v

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 50v
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre50v
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre50v, Position threshold 50v
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	71-71

(Back to chapter 45)

45.4.73 PThre60v, Position threshold 60v

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 60v
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre60v
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre60v, Position threshold 60v
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	72-72

(Back to chapter 45)

45.4.74 PThre00w, Position threshold 00w

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 00w
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre00w
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre00w, Position threshold 00w
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	73-73

(Back to chapter 45)

45.4.75 PThre10w, Position threshold 10w

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 10w
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre10w
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre10w, Position threshold 10w
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	74-74

(Back to chapter 45)

45.4.76 PThre20w, Position threshold 20w

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 20w
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre20w
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre20w, Position threshold 20w
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	75-75

(Back to chapter 45)

45.4.77 PThre30w, Position threshold 30w

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 30w
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre30w
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre30w, Position threshold 30w
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	76-76

(Back to chapter 45)

45.4.78 PThre40w, Position threshold 40w

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 40w
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre40w
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre40w, Position threshold 40w
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	77-77

(Back to chapter 45)

45.4.79 PThre50w, Position threshold 50w

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 50w
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre50w
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre50w, Position threshold 50w
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	78-78

(Back to chapter 45)

45.4.80 PThre60w, Position threshold 60w

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 60w
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre60w
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre60w, Position threshold 60w
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	79-79

(Back to chapter 45)

45.4.81 PThre00x, Position threshold 00x

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 00x
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre00x
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre00x, Position threshold 00x
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	80-80

(Back to chapter 45)

45.4.82 PThre10x, Position threshold 10x

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 10x
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre10x
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre10x, Position threshold 10x
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	81-81

(Back to chapter 45)

45.4.83 PThre20x, Position threshold 20x

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 20x
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre20x
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre20x, Position threshold 20x
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	82-82

(Back to chapter 45)

45.4.84 PThre30x, Position threshold 30x

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 30x
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre30x
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre30x, Position threshold 30x
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	83-83

(Back to chapter 45)

45.4.85 PThre40x, Position threshold 40x

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 40x
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre40x
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre40x, Position threshold 40x
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	84-84

(Back to chapter 45)

45.4.86 PThre50x, Position threshold 50x

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 50x
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre50x
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre50x, Position threshold 50x
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	85-85

(Back to chapter 45)

45.4.87 PThre60x, Position threshold 60x

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 60x
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre60x
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre60x, Position threshold 60x
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	86-86

(Back to chapter 45)

45.4.88 PThre00y, Position threshold 00y

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 00y
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre00y
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre00y, Position threshold 00y
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	87-87

(Back to chapter 45)

45.4.89 PThre10y, Position threshold 10y

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 10y
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre10y
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre10y, Position threshold 10y
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	88-88

(Back to chapter 45)

45.4.90 PThre20y, Position threshold 20y

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 20y
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre20y
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre20y, Position threshold 20y
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	89-89

(Back to chapter 45)

45.4.91 PThre30y, Position threshold 30y

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 30y
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre30y
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre30y, Position threshold 30y
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	90-90

(Back to chapter 45)

45.4.92 PThre40y, Position threshold 40y

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 40y
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre40y
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre40y, Position threshold 40y
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	91-91

(Back to chapter 45)

45.4.93 PThre50y, Position threshold 50y

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 50y
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre50y
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre50y, Position threshold 50y
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	92-92

(Back to chapter 45)

45.4.94 PThre60y, Position threshold 60y

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 60y
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre60y
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre60y, Position threshold 60y
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	93-93

(Back to chapter 45)

45.4.95 PThre00z, Position threshold 00z

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 00z
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre00z
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre00z, Position threshold 00z
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	94-94

(Back to chapter 45)

45.4.96 PThre10z, Position threshold 10z

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 10z
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre10z
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre10z, Position threshold 10z
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	95-95

(Back to chapter 45)

45.4.97 PThre20z, Position threshold 20z

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 20z
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre20z
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre20z, Position threshold 20z
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	96-96

(Back to chapter 45)

45.4.98 PThre30z, Position threshold 30z

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 30z
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre30z
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre30z, Position threshold 30z
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	97-97

(Back to chapter 45)

45.4.99 PThre40z, Position threshold 40z

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 40z
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre40z
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre40z, Position threshold 40z
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	98-98

(Back to chapter 45)

45.4.100 PThre50z, Position threshold 50z

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 50z
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre50z
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre50z, Position threshold 50z
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	99-99

(Back to chapter 45)

45.4.101 PThre60z, Position threshold 60z

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 60z
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre60z
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre60z, Position threshold 60z
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	100-100

(Back to chapter 45)

45.4.102 TID1, Threshold Identification 1

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Threshold Identification 1
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	TID1
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	TID1, Threshold Identification 1
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	101-101

(Back to chapter 45)

45.4.103 TFCntr, Threshold Control 1

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Threshold Control 1
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	TFCntr1
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	TFCntr, Threshold Control 1
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	102-102

(Back to chapter 45)

45.4.104 PThre01u, Position threshold 01u

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 01u
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre01u
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre01u, Position threshold 01u
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	103-103

(Back to chapter 45)

45.4.105 PThre11u, Position threshold 11u

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 11u
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre11u
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre11u, Position threshold 11u
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	104-104

(Back to chapter 45)

45.4.106 PThre21u, Position threshold 21u

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 21u
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre21u
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre21u, Position threshold 21u
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	105-105

(Back to chapter 45)

45.4.107 PThre31u, Position threshold 31u

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 31u
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre31u
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre31u, Position threshold 31u
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	106-106

(Back to chapter 45)

45.4.108 PThre41u, Position threshold 41u

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 41u
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre41u
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre41u, Position threshold 41u
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	107-107

(Back to chapter 45)

45.4.109 PThre51u, Position threshold 51u

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 51u
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre51u
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre51u, Position threshold 51u
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	108-108

(Back to chapter 45)

45.4.110 PThre61u, Position threshold 61u

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 61u
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre61u
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre61u, Position threshold 61u
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	109-109

(Back to chapter 45)

45.4.111 PThre01v, Position threshold 01v

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 01v
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre01v
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre01v, Position threshold 01v
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	110-110

(Back to chapter 45)

45.4.112 PThre11v, Position threshold 11v

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 11v
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre11v
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre11v, Position threshold 11v
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	111-111

(Back to chapter 45)

45.4.113 PThre21v, Position threshold 21v

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 21v
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre21v
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre21v, Position threshold 21v
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	112-112

(Back to chapter 45)

45.4.114 PThre31v, Position threshold 31v

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 31v
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre31v
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre31v, Position threshold 31v
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	113-113

(Back to chapter 45)

45.4.115 PThre41v, Position threshold 41v

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 41v
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre41v
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre41v, Position threshold 41v
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	114-114

(Back to chapter 45)

45.4.116 PThre51v, Position threshold 51v

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 51v
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre51v
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre51v, Position threshold 51v
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	115-115

(Back to chapter 45)

45.4.117 PThre61v, Position threshold 61v

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 61v
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre61v
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre61v, Position threshold 61v
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	116-116

(Back to chapter 45)

45.4.118 PThre01w, Position threshold 01w

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 01w
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre01w
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre01w, Position threshold 01w
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	117-117

(Back to chapter 45)

45.4.119 PThre11w, Position threshold 11w

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 11w
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre11w
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre11w, Position threshold 11w
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	118-118

(Back to chapter 45)

45.4.120 PThre21w, Position threshold 21w

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 21w
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre21w
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre21w, Position threshold 21w
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	119-119

(Back to chapter 45)

45.4.121 PThre31w, Position threshold 31w

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 31w
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre31w
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre31w, Position threshold 31w
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	120-120

(Back to chapter 45)

45.4.122 PThre41w, Position threshold 41w

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 41w
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre41w
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre41w, Position threshold 41w
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	121-121

(Back to chapter 45)

45.4.123 PThre51w, Position threshold 51w

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 51w
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre51w
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre51w, Position threshold 51w
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	122-122

(Back to chapter 45)

45.4.124 PThre61w, Position threshold 61w

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 61w
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre61w
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre61w, Position threshold 61w
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	123-123

(Back to chapter 45)

45.4.125 PThre01x, Position threshold 01x

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 01x
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre01x
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre01x, Position threshold 01x
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	124-124

(Back to chapter 45)

45.4.126 PThre11x, Position threshold 11x

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 11x
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre11x
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre11x, Position threshold 11x
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	125-125

(Back to chapter 45)

45.4.127 PThre21x, Position threshold 21x

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 21x
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre21x
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre21x, Position threshold 21x
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	126-126

(Back to chapter 45)

45.4.128 PThre31x, Position threshold 31x

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 31x
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre31x
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre31x, Position threshold 31x
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	127-127

(Back to chapter 45)

45.4.129 PThre41x, Position threshold 41x

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 41x
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre41x
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre41x, Position threshold 41x
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	128-128

(Back to chapter 45)

45.4.130 PThre51x, Position threshold 51x

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 51x
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre51x
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre51x, Position threshold 51x
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	129-129

(Back to chapter 45)

45.4.131 PThre61x, Position threshold 61x

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 61x
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre61x
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre61x, Position threshold 61x
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	130-130

(Back to chapter 45)

45.4.132 PThre01y, Position threshold 01y

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 01y
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre01y
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre01y, Position threshold 01y
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	131-131

(Back to chapter 45)

45.4.133 PThre11y, Position threshold 11y

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 11y
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre11y
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre11y, Position threshold 11y
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	132-132

(Back to chapter 45)

45.4.134 PThre21y, Position threshold 21y

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 21y
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre21y
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre21y, Position threshold 21y
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	133-133

(Back to chapter 45)

45.4.135 PThre31y, Position threshold 31y

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 31y
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre31y
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre31y, Position threshold 31y
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	134-134

(Back to chapter 45)

45.4.136 PThre41y, Position threshold 41y

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 41y
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre41y
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre41y, Position threshold 41y
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	135-135

(Back to chapter 45)

45.4.137 PThre51y, Position threshold 51y

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 51y
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre51y
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre51y, Position threshold 51y
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	136-136

(Back to chapter 45)

45.4.138 PThre61y, Position threshold 61y

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 61y
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre61y
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre61y, Position threshold 61y
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	137-137

(Back to chapter 45)

45.4.139 PThre01z, Position threshold 01z

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 01z
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre01z
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre01z, Position threshold 01z
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	138-138

(Back to chapter 45)

45.4.140 PThre11z, Position threshold 11z

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 11z
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre11z
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre11z, Position threshold 11z
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	139-139

(Back to chapter 45)

45.4.141 PThre21z, Position threshold 21z

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 21z
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre21z
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre21z, Position threshold 21z
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	140-140

(Back to chapter 45)

45.4.142 PThre31z, Position threshold 31z

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 31z
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre31z
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre31z, Position threshold 31z
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	141-141

(Back to chapter 45)

45.4.143 PThre41z, Position threshold 41z

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 41z
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre41z
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre41z, Position threshold 41z
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	142-142

(Back to chapter 45)

45.4.144 PThre51z, Position threshold 51z

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 51z
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre51z
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre51z, Position threshold 51z
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	143-143

(Back to chapter 45)

45.4.145 PThre61z, Position threshold 61z

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 61z
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre61z
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre61z, Position threshold 61z
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	144-144

(Back to chapter 45)

45.4.146 TID2, Threshold Identification 2

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Threshold Identification 2
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	TID2
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	TID2, Threshold Identification 2
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	145-145

(Back to chapter 45)

45.4.147 TFCntr2, Threshold Control 2

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Threshold Control 2
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	TFCntr2
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	TFCntr2, Threshold Control 2
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	146-146

(Back to chapter 45)

45.4.148 PThre02u, Position threshold 02u

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 02u
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre02u
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre02u, Position threshold 02u
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	147-147

(Back to chapter 45)

45.4.149 PThre12u, Position threshold 12u

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 12u
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre12u
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre12u, Position threshold 12u
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	148-148

(Back to chapter 45)

45.4.150 PThre22u, Position threshold 22u

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 22u
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre22u
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre22u, Position threshold 22u
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	149-149

(Back to chapter 45)

45.4.151 PThre32u, Position threshold 32u

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 32u
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre32u
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre32u, Position threshold 32u
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	150-150

(Back to chapter 45)

45.4.152 PThre42u, Position threshold 42u

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 42u
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre42u
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre42u, Position threshold 42u
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	151-151

(Back to chapter 45)

45.4.153 PThre52u, Position threshold 52u

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 52u
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre52u
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre52u, Position threshold 52u
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	152-152

(Back to chapter 45)

45.4.154 PThre62u, Position threshold 62u

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 62u
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre62u
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre62u, Position threshold 62u
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	153-153

(Back to chapter 45)

45.4.155 PThre02v, Position threshold 02v

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 02v
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre02v
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre02v, Position threshold 02v
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	154-154

(Back to chapter 45)

45.4.156 PThre12v, Position threshold 12v

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 12v
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre12v
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre12v, Position threshold 12v
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	155-155

(Back to chapter 45)

45.4.157 PThre22v, Position threshold 22v

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 22v
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre22v
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre22v, Position threshold 22v
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	156-156

(Back to chapter 45)

45.4.158 PThre32v, Position threshold 32v

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 32v
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre32v
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre32v, Position threshold 32v
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	157-157

(Back to chapter 45)

45.4.159 PThre42v, Position threshold 42v

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 42v
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre42v
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre42v, Position threshold 42v
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	158-158

(Back to chapter 45)

45.4.160 PThre52v, Position threshold 52v

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 52v
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre52v
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre52v, Position threshold 52v
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	159-159

(Back to chapter 45)

45.4.161 PThre62v, Position threshold 62v

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 62v
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre62v
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre62v, Position threshold 62v
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	160-160

(Back to chapter 45)

45.4.162 PThre02w, Position threshold 02w

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 02w
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre02w
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre02w, Position threshold 02w
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	161-161

(Back to chapter 45)

45.4.163 PThre12w, Position threshold 12w

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 12w
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre12w
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre12w, Position threshold 12w
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	162-162

(Back to chapter 45)

45.4.164 PThre22w, Position threshold 22w

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 22w
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre22w
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre22w, Position threshold 22w
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	163-163

(Back to chapter 45)

45.4.165 PThre32w, Position threshold 32w

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 32w
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre32w
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre32w, Position threshold 32w
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	164-164

(Back to chapter 45)

45.4.166 PThre42w, Position threshold 42w

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 42w
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre42w
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre42w, Position threshold 42w
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	165-165

(Back to chapter 45)

45.4.167 PThre52w, Position threshold 52w

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 52w
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre52w
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre52w, Position threshold 52w
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	166-166

(Back to chapter 45)

45.4.168 PThre62w, Position threshold 62w

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 62w
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre62w
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre62w, Position threshold 62w
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	167-167

(Back to chapter 45)

45.4.169 PThre02x, Position threshold 02x

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 02x
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre02x
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre02x, Position threshold 02x
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	168-168

(Back to chapter 45)

45.4.170 PThre12x, Position threshold 12x

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 12x
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre12x
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre12x, Position threshold 12x
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	169-169

(Back to chapter 45)

45.4.171 PThre22x, Position threshold 22x

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 22x
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre22x
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre22x, Position threshold 22x
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	170-170

(Back to chapter 45)

45.4.172 PThre32x, Position threshold 32x

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 32x
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre32x
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre32x, Position threshold 32x
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	171-171

(Back to chapter 45)

45.4.173 PThre42x, Position threshold 42x

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 42x
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre42x
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre42x, Position threshold 42x
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	172-172

(Back to chapter 45)

45.4.174 PThre52x, Position threshold 52x

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 52x
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre52x
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre52x, Position threshold 52x
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	173-173

(Back to chapter 45)

45.4.175 PThre62x, Position threshold 62x

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 62x
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre62x
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre62x, Position threshold 62x
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	174-174

(Back to chapter 45)

45.4.176 PThre02y, Position threshold 02y

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 02y
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre02y
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre02y, Position threshold 02y
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	175-175

(Back to chapter 45)

45.4.177 PThre12y, Position threshold 12y

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 12y
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre12y
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre12y, Position threshold 12y
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	176-176

(Back to chapter 45)

45.4.178 PThre22y, Position threshold 22y

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 22y
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre22y
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre22y, Position threshold 22y
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	177-177

(Back to chapter 45)

45.4.179 PThre32y, Position threshold 32y

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 32y
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre32y
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre32y, Position threshold 32y
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	178-178

(Back to chapter 45)

45.4.180 PThre42y, Position threshold 42y

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 42y
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre42y
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre42y, Position threshold 42y
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	179-179

(Back to chapter 45)

45.4.181 PThre52y, Position threshold 52y

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 52y
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre52y
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre52y, Position threshold 52y
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	180-180

(Back to chapter 45)

45.4.182 PThre62y, Position threshold 62y

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 62y
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre62y
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre62y, Position threshold 62y
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	181-181

(Back to chapter 45)

45.4.183 PThre02z, Position threshold 02z

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 02z
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre02z
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre02z, Position threshold 02z
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	182-182

(Back to chapter 45)

45.4.184 PThre12z, Position threshold 12z

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 12z
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre12z
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre12z, Position threshold 12z
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	183-183

(Back to chapter 45)

45.4.185 PThre22z, Position threshold 22z

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 22z
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre22z
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre22z, Position threshold 22z
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	184-184

(Back to chapter 45)

45.4.186 PThre32z, Position threshold 32z

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 32z
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre32z
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre32z, Position threshold 32z
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	185-185

(Back to chapter 45)

45.4.187 PThre42z, Position threshold 42z

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 42z
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre42z
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre42z, Position threshold 42z
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	186-186

(Back to chapter 45)

45.4.188 PThre52z, Position threshold 52z

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 52z
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre52z
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre52z, Position threshold 52z
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	187-187

(Back to chapter 45)

45.4.189 PThre62z, Position threshold 62z

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 62z
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre62z
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre62z, Position threshold 62z
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	188-188

(Back to chapter 45)

45.4.190 TID3, Threshold Identification 3

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Threshold Identification 3
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	TID3
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	TID3, Threshold Identification 3
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	189-189

(Back to chapter 45)

45.4.191 TFCntr3, Threshold Control 3

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Threshold Control 3
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	TFCntr3
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	TFCntr3, Threshold Control 3
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	190-190

(Back to chapter 45)

45.4.192 PTre03u, Position threshold 03u

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 03u
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre03u
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre03u, Position threshold 03u
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	191-191

(Back to chapter 45)

45.4.193 PTre13u, Position threshold 13u

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 13u
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre13u
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre13u, Position threshold 13u
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	192-192

(Back to chapter 45)

45.4.194 PTre23u, Position threshold 23u

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 23u
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre23u
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre23u, Position threshold 23u
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	193-193

(Back to chapter 45)

45.4.195 PTre33u, Position threshold 33u

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 33u
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre33u
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre33u, Position threshold 33u
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	194-194

(Back to chapter 45)

45.4.196 PTre43u, Position threshold 43u

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 43u
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre43u
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre43u, Position threshold 43u
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	195-195

(Back to chapter 45)

45.4.197 PTre53u, Position threshold 53u

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 53u
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre53u
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre53u, Position threshold 53u
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	196-196

(Back to chapter 45)

45.4.198 PTre63u, Position threshold 63u

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 63u
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre63u
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre63u, Position threshold 63u
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	197-197

(Back to chapter 45)

45.4.199 PTre03v, Position threshold 03v

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 03v
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre03v
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre03v, Position threshold 03v
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	198-198

(Back to chapter 45)

45.4.200 PTre13v, Position threshold 13v

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 13v
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre13v
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre13v, Position threshold 13v
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	199-199

(Back to chapter 45)

45.4.201 PTre23v, Position threshold 23v

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 23v
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre23v
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre23v, Position threshold 23v
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	200-200

(Back to chapter 45)

45.4.202 PTre33v, Position threshold 33v

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 33v
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre33v
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre33v, Position threshold 33v
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	201-201

(Back to chapter 45)

45.4.203 PTre43v, Position threshold 43v

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 43v
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre43v
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre43v, Position threshold 43v
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	202-202

(Back to chapter 45)

45.4.204 PTre53v, Position threshold 53v

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 53v
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre53v
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre53v, Position threshold 53v
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	203-203

(Back to chapter 45)

45.4.205 PTre63v, Position threshold 63v

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 63v
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre63v
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre63v, Position threshold 63v
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	204-204

(Back to chapter 45)

45.4.206 PTre03w, Position threshold 03w

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 03w
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre03w
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre03w, Position threshold 03w
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	205-205

(Back to chapter 45)

45.4.207 PTre13w, Position threshold 13w

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 13w
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre13w
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre13w, Position threshold 13w
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	206-206

(Back to chapter 45)

45.4.208 PTre23w, Position threshold 23w

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 23w
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre23w
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre23w, Position threshold 23w
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	207-207

(Back to chapter 45)

45.4.209 PTre33w, Position threshold 33w

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 33w
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre33w
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre33w, Position threshold 33w
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	208-208

(Back to chapter 45)

45.4.210 PTre43w, Position threshold 43w

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 43w
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre43w
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre43w, Position threshold 43w
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	209-209

(Back to chapter 45)

45.4.211 PTre53w, Position threshold 53w

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 53w
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre53w
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre53w, Position threshold 53w
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	210-210

(Back to chapter 45)

45.4.212 PTre63w, Position threshold 63w

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 63w
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre63w
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre63w, Position threshold 63w
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	211-211

(Back to chapter 45)

45.4.213 PTre03x, Position threshold 03x

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 03x
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre03x
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre03x, Position threshold 03x
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	212-212

(Back to chapter 45)

45.4.214 PTre13x, Position threshold 13x

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 13x
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre13x
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre13x, Position threshold 13x
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	213-213

(Back to chapter 45)

45.4.215 PTre23x, Position threshold 23x

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 23x
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre23x
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre23x, Position threshold 23x
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	214-214

(Back to chapter 45)

45.4.216 PTre33x, Position threshold 33x

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 33x
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre33x
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre33x, Position threshold 33x
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	215-215

(Back to chapter 45)

45.4.217 PTre43x, Position threshold 43x

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 43x
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre43x
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre43x, Position threshold 43x
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	216-216

(Back to chapter 45)

45.4.218 PTre53x, Position threshold 53x

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 53x
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre53x
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre53x, Position threshold 53x
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	217-217

(Back to chapter 45)

45.4.219 PTre63x, Position threshold 63x

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 63x
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre63x
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre63x, Position threshold 63x
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	218-218

(Back to chapter 45)

45.4.220 PTre03y, Position threshold 03y

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 03y
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre03y
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre03y, Position threshold 03y
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	219-219

(Back to chapter 45)

45.4.221 PTre13y, Position threshold 13y

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 13y
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre13y
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre13y, Position threshold 13y
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	220-220

(Back to chapter 45)

45.4.222 PTre23y, Position threshold 23y

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 23y
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre23y
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre23y, Position threshold 23y
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	221-221

(Back to chapter 45)

45.4.223 PTre33y, Position threshold 33y

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 33y
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre33y
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre33y, Position threshold 33y
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	222-222

(Back to chapter 45)

45.4.224 PTre43y, Position threshold 43y

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 43y
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre43y
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre43y, Position threshold 43y
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	223-223

(Back to chapter 45)

45.4.225 PTre53y, Position threshold 53y

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 53y
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre53y
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre53y, Position threshold 53y
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	224-224

(Back to chapter 45)

45.4.226 PTre63y, Position threshold 63y

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 63y
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre63y
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre63y, Position threshold 63y
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	225-225

(Back to chapter 45)

45.4.227 PTre03z, Position threshold 03z

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 03z
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre03z
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre03z, Position threshold 03z
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	226-226

(Back to chapter 45)

45.4.228 PTre13z, Position threshold 13z

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 13z
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre13z
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre13z, Position threshold 13z
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	227-227

(Back to chapter 45)

45.4.229 PTre23z, Position threshold 23z

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 23z
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre23z
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre23z, Position threshold 23z
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	228-228

(Back to chapter 45)

45.4.230 PTre33z, Position threshold 33z

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 33z
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre33z
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre33z, Position threshold 33z
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	229-229

(Back to chapter 45)

45.4.231 PTre43z, Position threshold 43z

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 43z
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre43z
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre43z, Position threshold 43z
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	230-230

(Back to chapter 45)

45.4.232 PTre53z, Position threshold 53z

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 53z
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre53z
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre53z, Position threshold 53z
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	231-231

(Back to chapter 45)

45.4.233 PTre63z, Position threshold 63z

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 63z
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre63z
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre63z, Position threshold 63z
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	232-232

(Back to chapter 45)

45.4.234 TID4, Threshold Identification 4

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Threshold Identification 4
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	TID4
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	TID4, Threshold Identification 4
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	233-233

(Back to chapter 45)

45.4.235 TFCntr4, Threshold Control 4

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Threshold Control 4
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	TFCntr4
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	TFCntr4, Threshold Control 4
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	234-234

(Back to chapter 45)

45.4.236 PTre04u, Position threshold 04u

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 04u
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre04u
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre04u, Position threshold 04u
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	235-235

(Back to chapter 45)

45.4.237 PTre14u, Position threshold 14u

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 14u
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre14u
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre14u, Position threshold 14u
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	236-236

(Back to chapter 45)

45.4.238 PTre24u, Position threshold 24u

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 24u
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre24u
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre24u, Position threshold 24u
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	237-237

(Back to chapter 45)

45.4.239 PTre34u, Position threshold 34u

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 34u
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre34u
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre34u, Position threshold 34u
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	238-238

(Back to chapter 45)

45.4.240 PTre44u, Position threshold 44u

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 44u
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre44u
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre44u, Position threshold 44u
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	239-239

(Back to chapter 45)

45.4.241 PTre54u, Position threshold 54u

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 54u
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre54u
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre54u, Position threshold 54u
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	240-240

(Back to chapter 45)

45.4.242 PTre64u, Position threshold 64u

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 64u
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre64u
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre64u, Position threshold 64u
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	241-241

(Back to chapter 45)

45.4.243 PTre04v, Position threshold 04v

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 04v
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre04v
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre04v, Position threshold 04v
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	242-242

(Back to chapter 45)

45.4.244 PTre14v, Position threshold 14v

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 14v
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre14v
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre14v, Position threshold 14v
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	243-243

(Back to chapter 45)

45.4.245 PTre24v, Position threshold 24v

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 24v
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre24v
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre24v, Position threshold 24v
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	244-244

(Back to chapter 45)

45.4.246 PTre34v, Position threshold 34v

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 34v
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre34v
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre34v, Position threshold 34v
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	245-245

(Back to chapter 45)

45.4.247 PTre44v, Position threshold 44v

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 44v
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre44v
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre44v, Position threshold 44v
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	246-246

(Back to chapter 45)

45.4.248 PTre54v, Position threshold 54v

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 54v
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre54v
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre54v, Position threshold 54v
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	247-247

(Back to chapter 45)

45.4.249 PTre64v, Position threshold 64v

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 64v
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre64v
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre64v, Position threshold 64v
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	248-248

(Back to chapter 45)

45.4.250 PTre04w, Position threshold 04w

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 04w
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre04w
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre04w, Position threshold 04w
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	249-249

(Back to chapter 45)

45.4.251 PTre14w, Position threshold 14w

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 14w
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre14w
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre14w, Position threshold 14w
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	250-250

(Back to chapter 45)

45.4.252 PTre24w, Position threshold 24w

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 24w
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre24w
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre24w, Position threshold 24w
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	251-251

(Back to chapter 45)

45.4.253 PTre34w, Position threshold 34w

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 34w
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre34w
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre34w, Position threshold 34w
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	252-252

(Back to chapter 45)

45.4.254 PTre44w, Position threshold 44w

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 44w
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre44w
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre44w, Position threshold 44w
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	253-253

(Back to chapter 45)

45.4.255 PTre54w, Position threshold 54w

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 54w
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre54w
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre54w, Position threshold 54w
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	254-254

(Back to chapter 45)

45.4.256 PTre64w, Position threshold 64w

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 64w
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre64w
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre64w, Position threshold 64w
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	255-255

(Back to chapter 45)

45.4.257 PTre04x, Position threshold 04x

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 04x
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre04x
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre04x, Position threshold 04x
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	256-256

(Back to chapter 45)

45.4.258 PTre14x, Position threshold 14x

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 14x
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre14x
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre14x, Position threshold 14x
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	257-257

(Back to chapter 45)

45.4.259 PTre24x, Position threshold 24x

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 24x
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre24x
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre24x, Position threshold 24x
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	258-258

(Back to chapter 45)

45.4.260 PTre34x, Position threshold 34x

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 34x
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre34x
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre34x, Position threshold 34x
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	259-259

(Back to chapter 45)

45.4.261 PTre44x, Position threshold 44x

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 44x
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre44x
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre44x, Position threshold 44x
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	260-260

(Back to chapter 45)

45.4.262 PTre54x, Position threshold 54x

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 54x
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre54x
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre54x, Position threshold 54x
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	261-261

(Back to chapter 45)

45.4.263 PTre64x, Position threshold 64x

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 64x
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre64x
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre64x, Position threshold 64x
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	262-262

(Back to chapter 45)

45.4.264 PTre04y, Position threshold 04y

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 04y
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre04y
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre04y, Position threshold 04y
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	263-263

(Back to chapter 45)

45.4.265 PTre14y, Position threshold 14y

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 14y
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre14y
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre14y, Position threshold 14y
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	264-264

(Back to chapter 45)

45.4.266 PTre24y, Position threshold 24y

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 24y
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre24y
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre24y, Position threshold 24y
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	265-265

(Back to chapter 45)

45.4.267 PTre34y, Position threshold 34y

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 34y
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre34y
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre34y, Position threshold 34y
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	266-266

(Back to chapter 45)

45.4.268 PTre44y, Position threshold 44y

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 44y
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre44y
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre44y, Position threshold 44y
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	267-267

(Back to chapter 45)

45.4.269 PTre54y, Position threshold 54y

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 54y
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre54y
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre54y, Position threshold 54y
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	268-268

(Back to chapter 45)

45.4.270 PTre64y, Position threshold 64y

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 64y
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre64y
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre64y, Position threshold 64y
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	269-269

(Back to chapter 45)

45.4.271 PTre04z, Position threshold 04z

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 04z
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre04z
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre04z, Position threshold 04z
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	270-270

(Back to chapter 45)

45.4.272 PTre14z, Position threshold 14z

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 14z
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre14z
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre14z, Position threshold 14z
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	271-271

(Back to chapter 45)

45.4.273 PTre24z, Position threshold 24z

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 24z
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre24z
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre24z, Position threshold 24z
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	272-272

(Back to chapter 45)

45.4.274 PTre34z, Position threshold 34z

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 34z
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre34z
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre34z, Position threshold 34z
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	273-273

(Back to chapter 45)

45.4.275 PTre44z, Position threshold 44z

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 44z
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre44z
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre44z, Position threshold 44z
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	274-274

(Back to chapter 45)

45.4.276 PTre54z, Position threshold 54z

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 54z
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre54z
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre54z, Position threshold 54z
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	275-275

(Back to chapter 45)

45.4.277 PTre64z, Position threshold 64z

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 64z
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre64z
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre64z, Position threshold 64z
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	276-276

(Back to chapter 45)

45.5 zVariables

No zVariables (Back to chapter 45)

45.6 end

section is empty (Back to chapter 45)

Chapter 46

STOF DI LA V03

Contents

46.1 header 611
46.2 GLOBALattributes 611
46.3 VARIABLEattributes 612
46.4 variables 614
46.4.1 Epoch, Time TAI 615
46.4.2 EID0, Event Identification 0 615
46.4.3 EFCntr0, Event Control 616
46.4.4 HyAddr0, Event Control 616
46.4.5 PEner00, Hybrid pixel readout 0 Energy 0 617
46.4.6 PEner10, Hybrid pixel readout 0 Energy 1 617
46.4.7 PEner20, Hybrid pixel readout 0 Energy 2 618
46.4.8 PEner30, Hybrid pixel readout 0 Energy 3 618
46.4.9 EID1, Event Identification 1 619
46.4.10 EFCntr1, Event Control 1 619
46.4.11 HyAddr1, Hybrid Adress 1 620
46.4.12 PEner01, Hybrid pixel readout 1 Energy 0 620
46.4.13 PEner11, Hybrid pixel readout 1 Energy 1 621
46.4.14 PEner21, Hybrid pixel readout 1 Energy 2 621
46.4.15 PEner31, Hybrid pixel readout 1 Energy 3 622
46.4.16 EID2, Event Identification 2 622
46.4.17 EFCntr2, Event Control 2 623
46.4.18 HyAddr2, Hybrid Address 2 623
46.4.19 PEner02, Hybrid pixel readout 2 Energy 0 624
46.4.20 PEner12, Hybrid pixel readout 2 Energy 1 624
46.4.21 PEner22, Hybrid pixel readout 2 Energy 2 625
46.4.22 PEner32, Hybrid pixel readout 2 Energy 3 625
46.4.23 EID3, Event Identification 3 626
46.4.24 EFCntr3, Event Control 3 626
46.4.25 HyAddr3, Hybrid Adress 3 627
46.4.26 PEner03, Hybrid pixel readout 3 Energy 0 627
46.4.27 PEner13, Hybrid pixel readout 3 Energy 1 628
46.4.28 PEner23, Hybrid pixel readout 3 Energy 2 628
46.4.29 PEner33, Hybrid pixel readout 3 Energy 3 629
46.4.30 EID4, Event Identification 4 629
46.4.31 EFCntr4, Event Control 4 630

46.4.32 HyAddr4, Hybrid Address 4 630
46.4.33 PEner04, Hybrid pixel readout 4 631
46.4.34 PEner14, Hybrid pixel readout 4 631
46.4.35 PEner24, Hybrid pixel readout 4 632
46.4.36 PEner34, Hybrid pixel readout 4 632
46.4.37 EID5, Event Identification 5 633
46.4.38 EFCntr5, Event Control 5 633
46.4.39 HyAddr5, Hybrid Address 5 634
46.4.40 PEner05, Hybrid pixel readout 5 Energy 0 634
46.4.41 PEner15, Hybrid pixel readout 5 Energy 1 635
46.4.42 PEner25, Hybrid pixel readout 5 Energy 2 635
46.4.43 PEner35, Hybrid pixel readout 5 Energy 3 636
46.4.44 EID6, Event Identification 6 636
46.4.45 EFCntr6, Event Control 6 637
46.4.46 HyAddr6, Hybrid Address 6 637
46.4.47 Pener06, Hybrid pixel readout 6 Energy 0 638
46.4.48 Pener16, Hybrid pixel readout 6 Energy 1 638
46.4.49 Pener26, Hybrid pixel readout 6 Energy 2 639
46.4.50 Pener36, Hybrid pixel readout 6 Energy 3 639
46.4.51 EID7, Event Identification 7 640
46.4.52 EFCntr7, Event Control 7 640
46.4.53 HyAddr7, Hybrid Address 7 641
46.4.54 PEner07, Hybrid pixel readout 7 Energy 0 641
46.4.55 PEner17, Hybrid pixel readout 7 Energy 1 642
46.4.56 PEner27, Hybrid pixel readout 7 Energy 2 642
46.4.57 PEner37, Hybrid pixel readout 7 Energy 3 643
46.4.58 TID0, Threshold Identification 0 643
46.4.59 TFCntr0, Threshold Control 0 644
46.4.60 PThre00u, Position threshold 00u 644
46.4.61 PThre10u, Position threshold 10u 645
46.4.62 PThre20u, Position threshold 20u 645
46.4.63 PThre30u, Position threshold 30u 646
46.4.64 PThre40u, Position threshold 40u 646
46.4.65 PThre50u, Position threshold 50u 647
46.4.66 PThre60u, Position threshold 60u 647
46.4.67 PThre00v, Position threshold 00v 648
46.4.68 PThre10v, Position threshold 10v 648
46.4.69 PThre20v, Position threshold 20v 649
46.4.70 PThre30v, Position threshold 30v 649
46.4.71 PThre40v, Position threshold 40v 650
46.4.72 PThre50v, Position threshold 50v 650
46.4.73 PThre60v, Position threshold 60v 651
46.4.74 PThre00w, Position threshold 00w 651
46.4.75 PThre10w, Position threshold 10w 652
46.4.76 PThre20w, Position threshold 20w 652
46.4.77 PThre30w, Position threshold 30w 653
46.4.78 PThre40w, Position threshold 40w 653
46.4.79 PThre50w, Position threshold 50w 654
46.4.80 PThre60w, Position threshold 60w 654
46.4.81 PThre00x, Position threshold 00x 655

46.4.82 PThre10x, Position threshold 10x 655
46.4.83 PThre20x, Position threshold 20x 656
46.4.84 PThre30x, Position threshold 30x 656
46.4.85 PThre40x, Position threshold 40x 657
46.4.86 PThre50x, Position threshold 50x 657
46.4.87 PThre60x, Position threshold 60x 658
46.4.88 PThre00y, Position threshold 00y 658
46.4.89 PThre10y, Position threshold 10y 659
46.4.90 PThre20y, Position threshold 20y 659
46.4.91 PThre30y, Position threshold 30y 660
46.4.92 PThre40y, Position threshold 40y 660
46.4.93 PThre50y, Position threshold 50y 661
46.4.94 PThre60y, Position threshold 60y 661
46.4.95 PThre00z, Position threshold 00z 662
46.4.96 PThre10z, Position threshold 10z 662
46.4.97 PThre20z, Position threshold 20z 663
46.4.98 PThre30z, Position threshold 30z 663
46.4.99 PThre40z, Position threshold 40z 664
46.4.100 PThre50z, Position threshold 50z 664
46.4.101 PThre60z, Position threshold 60z 665
46.4.102 TID1, Threshold Identification 1 665
46.4.103 TFCntr, Threshold Control 1 666
46.4.104 PThre01u, Position threshold 01u 666
46.4.105 PThre11u, Position threshold 11u 667
46.4.106 PThre21u, Position threshold 21u 667
46.4.107 PThre31u, Position threshold 31u 668
46.4.108 PThre41u, Position threshold 41u 668
46.4.109 PThre51u, Position threshold 51u 669
46.4.110 PThre61u, Position threshold 61u 669
46.4.111 PThre01v, Position threshold 01v 670
46.4.112 PThre11v, Position threshold 11v 670
46.4.113 PThre21v, Position threshold 21v 671
46.4.114 PThre31v, Position threshold 31v 671
46.4.115 PThre41v, Position threshold 41v 672
46.4.116 PThre51v, Position threshold 51v 672
46.4.117 PThre61v, Position threshold 61v 673
46.4.118 PThre01w, Position threshold 01w 673
46.4.119 PThre11w, Position threshold 11w 674
46.4.120 PThre21w, Position threshold 21w 674
46.4.121 PThre31w, Position threshold 31w 675
46.4.122 PThre41w, Position threshold 41w 675
46.4.123 PThre51w, Position threshold 51w 676
46.4.124 PThre61w, Position threshold 61w 676
46.4.125 PThre01x, Position threshold 01x 677
46.4.126 PThre11x, Position threshold 11x 677
46.4.127 PThre21x, Position threshold 21x 678
46.4.128 PThre31x, Position threshold 31x 678
46.4.129 PThre41x, Position threshold 41x 679
46.4.130 PThre51x, Position threshold 51x 679
46.4.131 PThre61x, Position threshold 61x 680

46.4.132PThre01y, Position threshold 01y 680
46.4.133PThre11y, Position threshold 11y 681
46.4.134PThre21y, Position threshold 21y 681
46.4.135PThre31y, Position threshold 31y 682
46.4.136PThre41y, Position threshold 41y 682
46.4.137PThre51y, Position threshold 51y 683
46.4.138PThre61y, Position threshold 61y 683
46.4.139PThre01z, Position threshold 01z 684
46.4.140PThre11z, Position threshold 11z 684
46.4.141PThre21z, Position threshold 21z 685
46.4.142PThre31z, Position threshold 31z 685
46.4.143PThre41z, Position threshold 41z 686
46.4.144PThre51z, Position threshold 51z 686
46.4.145PThre61z, Position threshold 61z 687
46.4.146TID2, Threshold Identification 2 687
46.4.147TFCntr2, Threshold Control 2 688
46.4.148PThre02u, Position threshold 02u 688
46.4.149PThre12u, Position threshold 12u 689
46.4.150PThre22u, Position threshold 22u 689
46.4.151PThre32u, Position threshold 32u 690
46.4.152PThre42u, Position threshold 42u 690
46.4.153PThre52u, Position threshold 52u 691
46.4.154PThre62u, Position threshold 62u 691
46.4.155PThre02v, Position threshold 02v 692
46.4.156PThre12v, Position threshold 12v 692
46.4.157PThre22v, Position threshold 22v 693
46.4.158PThre32v, Position threshold 32v 693
46.4.159PThre42v, Position threshold 42v 694
46.4.160PThre52v, Position threshold 52v 694
46.4.161PThre62v, Position threshold 62v 695
46.4.162PThre02w, Position threshold 02w 695
46.4.163PThre12w, Position threshold 12w 696
46.4.164PThre22w, Position threshold 22w 696
46.4.165PThre32w, Position threshold 32w 697
46.4.166PThre42w, Position threshold 42w 697
46.4.167PThre52w, Position threshold 52w 698
46.4.168PThre62w, Position threshold 62w 698
46.4.169PThre02x, Position threshold 02x 699
46.4.170PThre12x, Position threshold 12x 699
46.4.171PThre22x, Position threshold 22x 700
46.4.172PThre32x, Position threshold 32x 700
46.4.173PThre42x, Position threshold 42x 701
46.4.174PThre52x, Position threshold 52x 701
46.4.175PThre62x, Position threshold 62x 702
46.4.176PThre02y, Position threshold 02y 702
46.4.177PThre12y, Position threshold 12y 703
46.4.178PThre22y, Position threshold 22y 703
46.4.179PThre32y, Position threshold 32y 704
46.4.180PThre42y, Position threshold 42y 704
46.4.181PThre52y, Position threshold 52y 705

46.4.182PThre62y, Position threshold 62y 705
46.4.183PThre02z, Position threshold 02z 706
46.4.184PThre12z, Position threshold 12z 706
46.4.185PThre22z, Position threshold 22z 707
46.4.186PThre32z, Position threshold 32z 707
46.4.187PThre42z, Position threshold 42z 708
46.4.188PThre52z, Position threshold 52z 708
46.4.189PThre62z, Position threshold 62z 709
46.4.190TID3, Threshold Identification 3 709
46.4.191TFCntr3, Threshold Control 3 710
46.4.192PTre03u, Position threshold 03u 710
46.4.193PTre13u, Position threshold 13u 711
46.4.194PTre23u, Position threshold 23u 711
46.4.195PTre33u, Position threshold 33u 712
46.4.196PTre43u, Position threshold 43u 712
46.4.197PTre53u, Position threshold 53u 713
46.4.198PTre63u, Position threshold 63u 713
46.4.199PTre03v, Position threshold 03v 714
46.4.200PTre13v, Position threshold 13v 714
46.4.201PTre23v, Position threshold 23v 715
46.4.202PTre33v, Position threshold 33v 715
46.4.203PTre43v, Position threshold 43v 716
46.4.204PTre53v, Position threshold 53v 716
46.4.205PTre63v, Position threshold 63v 717
46.4.206PTre03w, Position threshold 03w 717
46.4.207PTre13w, Position threshold 13w 718
46.4.208PTre23w, Position threshold 23w 718
46.4.209PTre33w, Position threshold 33w 719
46.4.210PTre43w, Position threshold 43w 719
46.4.211PTre53w, Position threshold 53w 720
46.4.212PTre63w, Position threshold 63w 720
46.4.213PTre03x, Position threshold 03x 721
46.4.214PTre13x, Position threshold 13x 721
46.4.215PTre23x, Position threshold 23x 722
46.4.216PTre33x, Position threshold 33x 722
46.4.217PTre43x, Position threshold 43x 723
46.4.218PTre53x, Position threshold 53x 723
46.4.219PTre63x, Position threshold 63x 724
46.4.220PTre03y, Position threshold 03y 724
46.4.221PTre13y, Position threshold 13y 725
46.4.222PTre23y, Position threshold 23y 725
46.4.223PTre33y, Position threshold 33y 726
46.4.224PTre43y, Position threshold 43y 726
46.4.225PTre53y, Position threshold 53y 727
46.4.226PTre63y, Position threshold 63y 727
46.4.227PTre03z, Position threshold 03z 728
46.4.228PTre13z, Position threshold 13z 728
46.4.229PTre23z, Position threshold 23z 729
46.4.230PTre33z, Position threshold 33z 729
46.4.231PTre43z, Position threshold 43z 730

46.4.232PTre53z, Position threshold 53z 730
46.4.233PTre63z, Position threshold 63z 731
46.4.234TID4, Threshold Identification 4 731
46.4.235TFCntr4, Threshold Control 4 732
46.4.236PTre04u, Position threshold 04u 732
46.4.237PTre14u, Position threshold 14u 733
46.4.238PTre24u, Position threshold 24u 733
46.4.239PTre34u, Position threshold 34u 734
46.4.240PTre44u, Position threshold 44u 734
46.4.241PTre54u, Position threshold 54u 735
46.4.242PTre64u, Position threshold 64u 735
46.4.243PTre04v, Position threshold 04v 736
46.4.244PTre14v, Position threshold 14v 736
46.4.245PTre24v, Position threshold 24v 737
46.4.246PTre34v, Position threshold 34v 737
46.4.247PTre44v, Position threshold 44v 738
46.4.248PTre54v, Position threshold 54v 738
46.4.249PTre64v, Position threshold 64v 739
46.4.250PTre04w, Position threshold 04w 739
46.4.251PTre14w, Position threshold 14w 740
46.4.252PTre24w, Position threshold 24w 740
46.4.253PTre34w, Position threshold 34w 741
46.4.254PTre44w, Position threshold 44w 741
46.4.255PTre54w, Position threshold 54w 742
46.4.256PTre64w, Position threshold 64w 742
46.4.257PTre04x, Position threshold 04x 743
46.4.258PTre14x, Position threshold 14x 743
46.4.259PTre24x, Position threshold 24x 744
46.4.260PTre34x, Position threshold 34x 744
46.4.261PTre44x, Position threshold 44x 745
46.4.262PTre54x, Position threshold 54x 745
46.4.263PTre64x, Position threshold 64x 746
46.4.264PTre04y, Position threshold 04y 746
46.4.265PTre14y, Position threshold 14y 747
46.4.266PTre24y, Position threshold 24y 747
46.4.267PTre34y, Position threshold 34y 748
46.4.268PTre44y, Position threshold 44y 748
46.4.269PTre54y, Position threshold 54y 749
46.4.270PTre64y, Position threshold 64y 749
46.4.271PTre04z, Position threshold 04z 750
46.4.272PTre14z, Position threshold 14z 750
46.4.273PTre24z, Position threshold 24z 751
46.4.274PTre34z, Position threshold 34z 751
46.4.275PTre44z, Position threshold 44z 752
46.4.276PTre54z, Position threshold 54z 752
46.4.277PTre64z, Position threshold 64z 753
46.5 zVariables 753
46.6 end 753

46.1 header

CDF NAME:	SO_CEL_STOF_DI_LA_V02				
DATA ENCODING:	NETWORK				
MAJORITY:	COLUMN				
FORMAT:	SINGLE				
Variables	G.Attributes	V.Attributes	Records	Dims	Sizes
277/0	21	17	0/z	0	

(Back to chapter 46)

46.2 GLOBALattributes

TITLE	1:	CDF_CHAR	STOF diagnostic
Project	1:	CDF_CHAR	ISTP>International Solar-Terrestrial Physics
Discipline	1:	CDF_CHAR	Solar Physics>Solar Wind
Source_name	1:	CDF_CHAR	SO>Solar Heliospheric Observatory (SOHO)
Descriptor	1:	CDF_CHAR	CEL>Charge, Element and Isotope Analysis System (C
	2:	CDF_CHAR	ELIAS)
Detector	1:	CDF_CHAR	STOF>Suprathermal Time Of Flight
Series_name	1:	CDF_CHAR	DI>Diagnostic
Data_type	1:	CDF_CHAR	LA>Level ASCII
Logical_source	1:	CDF_CHAR	SO_CEL_STOF_DI_LA
TEXT	1:	CDF_CHAR	A description of the CELIAS instrument and
	2:	CDF_CHAR	scientific scope can be found on WWW
	3:	CDF_CHAR	at https://www.ieap.uni-kiel.de/et/soho/celias/
	4:	CDF_CHAR	or on the SOHO homepage at
	5:	CDF_CHAR	http://sohowww.nascom.nasa.gov/.
	6:	CDF_CHAR	A written description of CELIAS
	7:	CDF_CHAR	will appear in the special issue of
	8:	CDF_CHAR	Solar Physics dedicated to SOHO.
Data_version	1:	CDF_CHAR	01
MODS	1:	CDF_CHAR	<cwrap!actual_date>
skeleton_version	1:	CDF_CHAR	01
software_version	1:	CDF_CHAR	<cwrap!cwrap_version>
ADID_ref	1:	CDF_CHAR	NSSD0195
PI_name	1:	CDF_CHAR	Robert F. Wimmer-Schweingruber
PI_affiliation	1:	CDF_CHAR	Institut fuer Experimentelle und Angewandte Physik,
	2:	CDF_CHAR	Christian Albrechts Universitaet Kiel,
	3:	CDF_CHAR	Leibnizstr 11,
	4:	CDF_CHAR	24118 Kiel, Germany
Mission_group	1:	CDF_CHAR	SOHO
Instrument_type	1:	CDF_CHAR	Particles (space)
TEXT_supplement	1:	CDF_CHAR	Diagnostic block STOF indicates which pixels have
	2:	CDF_CHAR	responded to an event.
TEXT_FOR_UOB	1:	CDF_CHAR	Weygand

(Back to chapter 46)

46.3 VARIABLEattributes

FIELDNAM	
VALIDMIN	
VALIDMAX	
SCALETYP	
SCALEMIN	
SCALEMAX	
UNITS	
LABLAXIS	
FORMAT	
DEPEND_0	
!	DEPEND_1
!	DEPEND_2
!	DEPEND_3
!	DEPEND_4
!	DEPEND_5
MONOTON	
VAR_TYPE	
FILLVAL	
DISPLAY_TYPE	
CATDESC	
COLUMNS	
TIME_FORMAT	

(Back to chapter 46)

46.4 variables

Variable Name	Data Type	Number Elements	Record Variance	Dimension Variances
Epoch	CDF_EPOCH	1	T	
EID0	CDF_UINT1	1	T	
EFCntr0	CDF_UINT1	1	T	
HyAddr0	CDF_UINT1	1	T	
PEner00	CDF_INT2	1	T	
PEner10	CDF_INT2	1	T	
PEner20	CDF_INT2	1	T	
PEner30	CDF_INT2	1	T	
EID1	CDF_UINT1	1	T	
EFCntr1	CDF_UINT1	1	T	
HyAddr1	CDF_UINT1	1	T	
PEner01	CDF_INT2	1	T	
PEner11	CDF_INT2	1	T	
PEner21	CDF_INT2	1	T	
PEner31	CDF_INT2	1	T	
EID2	CDF_UINT1	1	T	
EFCntr2	CDF_UINT1	1	T	
HyAddr2	CDF_UINT1	1	T	
PEner02	CDF_INT2	1	T	
PEner12	CDF_INT2	1	T	
PEner22	CDF_INT2	1	T	
PEner32	CDF_INT2	1	T	
EID3	CDF_UINT1	1	T	
EFCntr3	CDF_UINT1	1	T	
HyAddr3	CDF_UINT1	1	T	
PEner03	CDF_INT2	1	T	
PEner13	CDF_INT2	1	T	
PEner23	CDF_INT2	1	T	
PEner33	CDF_INT2	1	T	
EID4	CDF_UINT1	1	T	
EFCntr4	CDF_UINT1	1	T	
HyAddr4	CDF_UINT1	1	T	
PEner04	CDF_INT2	1	T	
PEner14	CDF_INT2	1	T	
PEner24	CDF_INT2	1	T	
PEner34	CDF_INT2	1	T	
EID5	CDF_UINT1	1	T	
EFCntr5	CDF_UINT1	1	T	
HyAddr5	CDF_UINT1	1	T	
PEner05	CDF_INT2	1	T	
PEner15	CDF_INT2	1	T	
PEner25	CDF_INT2	1	T	
PEner35	CDF_INT2	1	T	
EID6	CDF_UINT1	1	T	
EFCntr6	CDF_UINT1	1	T	
HyAddr6	CDF_UINT1	1	T	
Pener06	CDF_INT2	1	T	
Pener16	CDF_INT2	1	T	
Pener26	CDF_INT2	1	T	
Pener36	CDF_INT2	1	T	
EID7	CDF_UINT1	1	T	
EFCntr7	CDF_UINT1	1	T	
HyAddr7	CDF_UINT1	1	T	
PEner07	CDF_INT2	1	T	

46.4.1 Epoch, Time TAI

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Time TAI
VALIDMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
VALIDMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALEMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
SCALEMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Epoch
UNITS	CDF_CHAR	ms
VAR_TYPE	CDF_CHAR	support_data
CATDESC	CDF_CHAR	Epoch, Time TAI
FILLVAL	CDF_EPOCH	31-Dec-9999 23:59:59.999
DISPLAY_TYPE	CDF_CHAR	time_series
MONOTON	CDF_CHAR	INCREASE
TIME_FORMAT	CDF_CHAR	sec70base
COLUMNS	CDF_CHAR	0-0

(Back to chapter 46)

46.4.2 EID0, Event Identification 0

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Event Identification 0
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	250
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	250
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	EID0
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	EID0, Event Identification 0
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	1-1

(Back to chapter 46)

46.4.3 EFCntr0, Event Control

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Event Control
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	250
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	250
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	EFCntr0
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	EFCntr0, Event Control
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	2-2

(Back to chapter 46)

46.4.4 HyAddr0, Event Control

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Event Control
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	250
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	250
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	HyAddr0
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	HyAddr0, Event Control
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	3-3

(Back to chapter 46)

46.4.5 PEner00, Hybrid pixel readout 0 Energy 0

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Hybrid pixel readout 0 Energy 0
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PEner00
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PEner00, Hybrid pixel readout 0 Energy 0
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	4-4

(Back to chapter 46)

46.4.6 PEner10, Hybrid pixel readout 0 Energy 1

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Hybrid pixel readout 0 Energy 1
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PEner10
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PEner10, Hybrid pixel readout 0 Energy 1
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	5-5

(Back to chapter 46)

46.4.7 PEner20, Hybrid pixel readout 0 Energy 2

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Hybrid pixel readout 0 Energy 2
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PEner20
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PEner20, Hybrid pixel readout 0 Energy 2
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	6-6

(Back to chapter 46)

46.4.8 PEner30, Hybrid pixel readout 0 Energy 3

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Hybrid pixel readout 0 Energy 3
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PEner30
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PEner30, Hybrid pixel readout 0 Energy 3
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	7-7

(Back to chapter 46)

46.4.9 EID1, Event Identification 1

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Event Identification 1
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	250
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	250
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	EID1
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	EID1, Event Identification 1
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	8-8

(Back to chapter 46)

46.4.10 EFCntr1, Event Control 1

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Event Control 1
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	250
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	250
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	EFCntr1
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	EFCntr1, Event Control 1
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	9-9

(Back to chapter 46)

46.4.11 HyAddr1, Hybrid Adress 1

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Hybrid Adress 1
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	250
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	250
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	HyAddr1
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	HyAddr1, Hybrid Adress 1
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	10-10

(Back to chapter 46)

46.4.12 PEner01, Hybrid pixel readout 1 Energy 0

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Hybrid pixel readout 1 Energy 0
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PEner01
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PEner01, Hybrid pixel readout 1 Energy 0
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	11-11

(Back to chapter 46)

46.4.13 PEner11, Hybrid pixel readout 1 Energy 1

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Hybrid pixel readout 1 Energy 1
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PEner11
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PEner11, Hybrid pixel readout 1 Energy 1
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	12-12

(Back to chapter 46)

46.4.14 PEner21, Hybrid pixel readout 1 Energy 2

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Hybrid pixel readout 1 Energy 2
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PEner21
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PEner21, Hybrid pixel readout 1 Energy 2
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	13-13

(Back to chapter 46)

46.4.15 PEner31, Hybrid pixel readout 1 Energy 3

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Hybrid pixel readout 1 Energy 3
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PEner31
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PEner31, Hybrid pixel readout 1 Energy 3
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	14-14

(Back to chapter 46)

46.4.16 EID2, Event Identification 2

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Event Identification 2
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	250
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	250
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	EID2
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	EID2, Event Identification 2
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	15-15

(Back to chapter 46)

46.4.17 EFCntr2, Event Control 2

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Event Control 2
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	250
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	250
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	EFCntr2
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	EFCntr2, Event Control 2
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	16-16

(Back to chapter 46)

46.4.18 HyAddr2, Hybrid Address 2

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Hybrid Address 2
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	250
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	250
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	HyAddr2
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	HyAddr2, Hybrid Address 2
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	17-17

(Back to chapter 46)

46.4.19 PEner02, Hybrid pixel readout 2 Energy 0

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Hybrid pixel readout 2 Energy 0
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PEner02
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PEner02, Hybrid pixel readout 2 Energy 0
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	18-18

(Back to chapter 46)

46.4.20 PEner12, Hybrid pixel readout 2 Energy 1

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Hybrid pixel readout 2 Energy 1
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PEner12
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PEner12, Hybrid pixel readout 2 Energy 1
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	19-19

(Back to chapter 46)

46.4.21 PEner22, Hybrid pixel readout 2 Energy 2

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Hybrid pixel readout 2 Energy 2
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PEner22
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PEner22, Hybrid pixel readout 2 Energy 2
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	20-20

(Back to chapter 46)

46.4.22 PEner32, Hybrid pixel readout 2 Energy 3

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Hybrid pixel readout 2 Energy 3
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PEner32
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PEner32, Hybrid pixel readout 2 Energy 3
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	21-21

(Back to chapter 46)

46.4.23 EID3, Event Identification 3

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Event Identification 3
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	250
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	250
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	EID3
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	EID3, Event Identification 3
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	22-22

(Back to chapter 46)

46.4.24 EFCntr3, Event Control 3

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Event Control 3
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	250
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	250
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	EFCntr3
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	EFCntr3, Event Control 3
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	23-23

(Back to chapter 46)

46.4.25 HyAddr3, Hybrid Adress 3

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Hybrid Adress 3
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	250
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	250
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	HyAddr3
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	HyAddr3, Hybrid Adress 3
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	24-24

(Back to chapter 46)

46.4.26 PEner03, Hybrid pixel readout 3 Energy 0

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Hybrid pixel readout 3 Energy 0
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PEner03
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PEner03, Hybrid pixel readout 3 Energy 0
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	25-25

(Back to chapter 46)

46.4.27 PEner13, Hybrid pixel readout 3 Energy 1

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Hybrid pixel readout 3 Energy 1
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PEner13
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PEner13, Hybrid pixel readout 3 Energy 1
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	26-26

(Back to chapter 46)

46.4.28 PEner23, Hybrid pixel readout 3 Energy 2

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Hybrid pixel readout 3 Energy 2
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PEner23
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PEner23, Hybrid pixel readout 3 Energy 2
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	27-27

(Back to chapter 46)

46.4.29 PEner33, Hybrid pixel readout 3 Energy 3

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Hybrid pixel readout 3 Energy 3
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PEner33
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PEner33, Hybrid pixel readout 3 Energy 3
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	28-28

(Back to chapter 46)

46.4.30 EID4, Event Identification 4

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Event Identification 4
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	250
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	250
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	EID4
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	EID4, Event Identification 4
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	29-29

(Back to chapter 46)

46.4.31 EFCntr4, Event Control 4

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Event Control 4
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	250
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	250
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	EFCntr4
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	EFCntr4, Event Control 4
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	30-30

(Back to chapter 46)

46.4.32 HyAddr4, Hybrid Address 4

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Hybrid Address 4
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	250
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	250
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	HyAddr4
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	HyAddr4, Hybrid Address 4
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	31-31

(Back to chapter 46)

46.4.33 PEner04, Hybrid pixel readout 4

Attribute Name	Data Type	Value	
FIELDNAM	CDF_CHAR	Hybrid pixel readout 4	Energy 0
VALIDMIN	CDF_INT2	0	
VALIDMAX	CDF_INT2	32000	
SCALEMIN	CDF_INT2	0	
SCALEMAX	CDF_INT2	32000	
SCALETYP	CDF_CHAR	linear	
LABLAXIS	CDF_CHAR	PEner04	
UNITS	CDF_CHAR	-	
VAR_TYPE	CDF_CHAR	data	
CATDESC	CDF_CHAR	PEner04, Hybrid pixel readout 4	Energy 0
FILLVAL	CDF_INT2	-32767	
DISPLAY_TYPE	CDF_CHAR	time_series	
FORMAT	CDF_CHAR	I5	
DEPEND_0	CDF_CHAR	Epoch	
COLUMNS	CDF_CHAR	32-32	

(Back to chapter 46)

46.4.34 PEner14, Hybrid pixel readout 4

Attribute Name	Data Type	Value	
FIELDNAM	CDF_CHAR	Hybrid pixel readout 4	Energy 1
VALIDMIN	CDF_INT2	0	
VALIDMAX	CDF_INT2	32000	
SCALEMIN	CDF_INT2	0	
SCALEMAX	CDF_INT2	32000	
SCALETYP	CDF_CHAR	linear	
LABLAXIS	CDF_CHAR	PEner14	
UNITS	CDF_CHAR	-	
VAR_TYPE	CDF_CHAR	data	
CATDESC	CDF_CHAR	PEner14, Hybrid pixel readout 4	Energy 1
FILLVAL	CDF_INT2	-32767	
DISPLAY_TYPE	CDF_CHAR	time_series	
FORMAT	CDF_CHAR	I5	
DEPEND_0	CDF_CHAR	Epoch	
COLUMNS	CDF_CHAR	33-33	

(Back to chapter 46)

46.4.35 PEner24, Hybrid pixel readout 4

Attribute Name	Data Type	Value	
FIELDNAM	CDF_CHAR	Hybrid pixel readout 4	Energy 2
VALIDMIN	CDF_INT2	0	
VALIDMAX	CDF_INT2	32000	
SCALEMIN	CDF_INT2	0	
SCALEMAX	CDF_INT2	32000	
SCALETYP	CDF_CHAR	linear	
LABLAXIS	CDF_CHAR	PEner24	
UNITS	CDF_CHAR	-	
VAR_TYPE	CDF_CHAR	data	
CATDESC	CDF_CHAR	PEner24, Hybrid pixel readout 4	Energy 2
FILLVAL	CDF_INT2	-32767	
DISPLAY_TYPE	CDF_CHAR	time_series	
FORMAT	CDF_CHAR	I5	
DEPEND_0	CDF_CHAR	Epoch	
COLUMNS	CDF_CHAR	34-34	

(Back to chapter 46)

46.4.36 PEner34, Hybrid pixel readout 4

Attribute Name	Data Type	Value	
FIELDNAM	CDF_CHAR	Hybrid pixel readout 4	Energy 3
VALIDMIN	CDF_INT2	0	
VALIDMAX	CDF_INT2	32000	
SCALEMIN	CDF_INT2	0	
SCALEMAX	CDF_INT2	32000	
SCALETYP	CDF_CHAR	linear	
LABLAXIS	CDF_CHAR	PEner34	
UNITS	CDF_CHAR	-	
VAR_TYPE	CDF_CHAR	data	
CATDESC	CDF_CHAR	PEner34, Hybrid pixel readout 4	Energy 3
FILLVAL	CDF_INT2	-32767	
DISPLAY_TYPE	CDF_CHAR	time_series	
FORMAT	CDF_CHAR	I5	
DEPEND_0	CDF_CHAR	Epoch	
COLUMNS	CDF_CHAR	35-35	

(Back to chapter 46)

46.4.37 EID5, Event Identification 5

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Event Identification 5
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	250
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	250
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	EID5
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	EID5, Event Identification 5
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	36-36

(Back to chapter 46)

46.4.38 EFCntr5, Event Control 5

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Event Control 5
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	250
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	250
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	EFCntr5
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	EFCntr5, Event Control 5
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	37-37

(Back to chapter 46)

46.4.39 HyAddr5, Hybrid Address 5

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Hybrid Address 5
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	250
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	250
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	HyAddr5
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	HyAddr5, Hybrid Address 5
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	38-38

(Back to chapter 46)

46.4.40 PEner05, Hybrid pixel readout 5 Energy 0

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Hybrid pixel readout 5 Energy 0
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PEner05
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PEner05, Hybrid pixel readout 5 Energy 0
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	39-39

(Back to chapter 46)

46.4.41 PEner15, Hybrid pixel readout 5 Energy 1

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Hybrid pixel readout 5 Energy 1
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PEner15
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PEner15, Hybrid pixel readout 5 Energy 1
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	40-40

(Back to chapter 46)

46.4.42 PEner25, Hybrid pixel readout 5 Energy 2

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Hybrid pixel readout 5 Energy 2
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PEner25
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PEner25, Hybrid pixel readout 5 Energy 2
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	41-41

(Back to chapter 46)

46.4.43 PEner35, Hybrid pixel readout 5 Energy 3

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Hybrid pixel readout 5 Energy 3
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PEner35
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PEner35, Hybrid pixel readout 5 Energy 3
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	42-42

(Back to chapter 46)

46.4.44 EID6, Event Identification 6

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Event Identification 6
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	250
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	250
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	EID6
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	EID6, Event Identification 6
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	43-43

(Back to chapter 46)

46.4.45 EFCntr6, Event Control 6

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Event Control 6
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	250
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	250
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	EFCntr6
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	EFCntr6, Event Control 6
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	44-44

(Back to chapter 46)

46.4.46 HyAddr6, Hybrid Address 6

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Hybrid Address 6
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	250
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	250
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	HyAddr6
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	HyAddr6, Hybrid Address 6
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	45-45

(Back to chapter 46)

46.4.47 Pener06, Hybrid pixel readout 6 Energy 0

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Hybrid pixel readout 6 Energy 0
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Pener06
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	Pener06, Hybrid pixel readout 6 Energy 0
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	46-46

(Back to chapter 46)

46.4.48 Pener16, Hybrid pixel readout 6 Energy 1

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Hybrid pixel readout 6 Energy 1
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Pener16
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	Pener16, Hybrid pixel readout 6 Energy 1
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	47-47

(Back to chapter 46)

46.4.49 Pener26, Hybrid pixel readout 6 Energy 2

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Hybrid pixel readout 6 Energy 2
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Pener26
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	Pener26, Hybrid pixel readout 6 Energy 2
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	48-48

(Back to chapter 46)

46.4.50 Pener36, Hybrid pixel readout 6 Energy 3

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Hybrid pixel readout 6 Energy 3
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Pener36
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	Pener36, Hybrid pixel readout 6 Energy 3
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	49-49

(Back to chapter 46)

46.4.51 EID7, Event Identification 7

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Event Identification 7
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	250
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	250
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	EID7
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	EID7, Event Identification 7
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	50-50

(Back to chapter 46)

46.4.52 EFCntr7, Event Control 7

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Event Control 7
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	250
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	250
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	EFCntr7
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	EFCntr7, Event Control 7
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	51-51

(Back to chapter 46)

46.4.53 HyAddr7, Hybrid Address 7

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Hybrid Address 7
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	250
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	250
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	HyAddr7
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	HyAddr7, Hybrid Address 7
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	52-52

(Back to chapter 46)

46.4.54 PEner07, Hybrid pixel readout 7 Energy 0

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Hybrid pixel readout 7 Energy 0
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PEner07
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PEner07, Hybrid pixel readout 7 Energy 0
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	53-53

(Back to chapter 46)

46.4.55 PEner17, Hybrid pixel readout 7 Energy 1

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Hybrid pixel readout 7 Energy 1
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PEner17
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PEner17, Hybrid pixel readout 7 Energy 1
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	54-54

(Back to chapter 46)

46.4.56 PEner27, Hybrid pixel readout 7 Energy 2

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Hybrid pixel readout 7 Energy 2
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PEner27
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PEner27, Hybrid pixel readout 7 Energy 2
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	55-55

(Back to chapter 46)

46.4.57 PEner37, Hybrid pixel readout 7 Energy 3

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Hybrid pixel readout 7 Energy 3
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PEner37
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PEner37, Hybrid pixel readout 7 Energy 3
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	56-56

(Back to chapter 46)

46.4.58 TID0, Threshold Identification 0

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Threshold Identification 0
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	TID0
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	TID0, Threshold Identification 0
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	57-57

(Back to chapter 46)

46.4.59 TFCntr0, Threshold Control 0

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Threshold Control 0
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	TFCntr0
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	TFCntr0, Threshold Control 0
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	58-58

(Back to chapter 46)

46.4.60 PThre00u, Position threshold 00u

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 00u
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre00u
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre00u, Position threshold 00u
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	59-59

(Back to chapter 46)

46.4.61 PThre10u, Position threshold 10u

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 10u
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre10u
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre10u, Position threshold 10u
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	60-60

(Back to chapter 46)

46.4.62 PThre20u, Position threshold 20u

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 20u
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre20u
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre20u, Position threshold 20u
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	61-61

(Back to chapter 46)

46.4.63 PThre30u, Position threshold 30u

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 30u
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre30u
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre30u, Position threshold 30u
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	62-62

(Back to chapter 46)

46.4.64 PThre40u, Position threshold 40u

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 40u
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre40u
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre40u, Position threshold 40u
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	63-63

(Back to chapter 46)

46.4.65 PThre50u, Position threshold 50u

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 50u
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre50u
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre50u, Position threshold 50u
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	64-64

(Back to chapter 46)

46.4.66 PThre60u, Position threshold 60u

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 60u
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre60u
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre60u, Position threshold 60u
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	65-65

(Back to chapter 46)

46.4.67 PThre00v, Position threshold 00v

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 00v
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre00v
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre00v, Position threshold 00v
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	66-66

(Back to chapter 46)

46.4.68 PThre10v, Position threshold 10v

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 10v
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre10v
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre10v, Position threshold 10v
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	67-67

(Back to chapter 46)

46.4.69 PThre20v, Position threshold 20v

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 20v
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre20v
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre20v, Position threshold 20v
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	68-68

(Back to chapter 46)

46.4.70 PThre30v, Position threshold 30v

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 30v
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre30v
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre30v, Position threshold 30v
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	69-69

(Back to chapter 46)

46.4.71 PThre40v, Position threshold 40v

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 40v
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre40v
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre40v, Position threshold 40v
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	70-70

(Back to chapter 46)

46.4.72 PThre50v, Position threshold 50v

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 50v
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre50v
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre50v, Position threshold 50v
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	71-71

(Back to chapter 46)

46.4.73 PThre60v, Position threshold 60v

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 60v
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre60v
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre60v, Position threshold 60v
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	72-72

(Back to chapter 46)

46.4.74 PThre00w, Position threshold 00w

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 00w
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre00w
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre00w, Position threshold 00w
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	73-73

(Back to chapter 46)

46.4.75 PThre10w, Position threshold 10w

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 10w
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre10w
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre10w, Position threshold 10w
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	74-74

(Back to chapter 46)

46.4.76 PThre20w, Position threshold 20w

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 20w
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre20w
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre20w, Position threshold 20w
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	75-75

(Back to chapter 46)

46.4.77 PThre30w, Position threshold 30w

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 30w
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre30w
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre30w, Position threshold 30w
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	76-76

(Back to chapter 46)

46.4.78 PThre40w, Position threshold 40w

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 40w
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre40w
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre40w, Position threshold 40w
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	77-77

(Back to chapter 46)

46.4.79 PThre50w, Position threshold 50w

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 50w
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre50w
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre50w, Position threshold 50w
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	78-78

(Back to chapter 46)

46.4.80 PThre60w, Position threshold 60w

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 60w
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre60w
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre60w, Position threshold 60w
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	79-79

(Back to chapter 46)

46.4.81 PThre00x, Position threshold 00x

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 00x
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre00x
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre00x, Position threshold 00x
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	80-80

(Back to chapter 46)

46.4.82 PThre10x, Position threshold 10x

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 10x
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre10x
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre10x, Position threshold 10x
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	81-81

(Back to chapter 46)

46.4.83 PThre20x, Position threshold 20x

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 20x
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre20x
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre20x, Position threshold 20x
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	82-82

(Back to chapter 46)

46.4.84 PThre30x, Position threshold 30x

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 30x
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre30x
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre30x, Position threshold 30x
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	83-83

(Back to chapter 46)

46.4.85 PThre40x, Position threshold 40x

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 40x
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre40x
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre40x, Position threshold 40x
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	84-84

(Back to chapter 46)

46.4.86 PThre50x, Position threshold 50x

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 50x
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre50x
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre50x, Position threshold 50x
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	85-85

(Back to chapter 46)

46.4.87 PThre60x, Position threshold 60x

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 60x
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre60x
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre60x, Position threshold 60x
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	86-86

(Back to chapter 46)

46.4.88 PThre00y, Position threshold 00y

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 00y
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre00y
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre00y, Position threshold 00y
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	87-87

(Back to chapter 46)

46.4.89 PThre10y, Position threshold 10y

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 10y
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre10y
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre10y, Position threshold 10y
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	88-88

(Back to chapter 46)

46.4.90 PThre20y, Position threshold 20y

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 20y
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre20y
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre20y, Position threshold 20y
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	89-89

(Back to chapter 46)

46.4.91 PThre30y, Position threshold 30y

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 30y
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre30y
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre30y, Position threshold 30y
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	90-90

(Back to chapter 46)

46.4.92 PThre40y, Position threshold 40y

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 40y
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre40y
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre40y, Position threshold 40y
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	91-91

(Back to chapter 46)

46.4.93 PThre50y, Position threshold 50y

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 50y
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre50y
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre50y, Position threshold 50y
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	92-92

(Back to chapter 46)

46.4.94 PThre60y, Position threshold 60y

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 60y
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre60y
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre60y, Position threshold 60y
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	93-93

(Back to chapter 46)

46.4.95 PThre00z, Position threshold 00z

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 00z
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre00z
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre00z, Position threshold 00z
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	94-94

(Back to chapter 46)

46.4.96 PThre10z, Position threshold 10z

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 10z
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre10z
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre10z, Position threshold 10z
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	95-95

(Back to chapter 46)

46.4.97 PThre20z, Position threshold 20z

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 20z
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre20z
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre20z, Position threshold 20z
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	96-96

(Back to chapter 46)

46.4.98 PThre30z, Position threshold 30z

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 30z
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre30z
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre30z, Position threshold 30z
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	97-97

(Back to chapter 46)

46.4.99 PThre40z, Position threshold 40z

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 40z
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre40z
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre40z, Position threshold 40z
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	98-98

(Back to chapter 46)

46.4.100 PThre50z, Position threshold 50z

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 50z
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre50z
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre50z, Position threshold 50z
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	99-99

(Back to chapter 46)

46.4.101 PThre60z, Position threshold 60z

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 60z
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre60z
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre60z, Position threshold 60z
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	100-100

(Back to chapter 46)

46.4.102 TID1, Threshold Identification 1

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Threshold Identification 1
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	TID1
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	TID1, Threshold Identification 1
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	101-101

(Back to chapter 46)

46.4.103 TFCntr, Threshold Control 1

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Threshold Control 1
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	TFCntr1
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	TFCntr, Threshold Control 1
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	102-102

(Back to chapter 46)

46.4.104 PThre01u, Position threshold 01u

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 01u
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre01u
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre01u, Position threshold 01u
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	103-103

(Back to chapter 46)

46.4.105 PThre11u, Position threshold 11u

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 11u
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre11u
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre11u, Position threshold 11u
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	104-104

(Back to chapter 46)

46.4.106 PThre21u, Position threshold 21u

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 21u
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre21u
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre21u, Position threshold 21u
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	105-105

(Back to chapter 46)

46.4.107 PThre31u, Position threshold 31u

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 31u
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre31u
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre31u, Position threshold 31u
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	106-106

(Back to chapter 46)

46.4.108 PThre41u, Position threshold 41u

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 41u
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre41u
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre41u, Position threshold 41u
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	107-107

(Back to chapter 46)

46.4.109 PThre51u, Position threshold 51u

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 51u
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre51u
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre51u, Position threshold 51u
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	108-108

(Back to chapter 46)

46.4.110 PThre61u, Position threshold 61u

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 61u
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre61u
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre61u, Position threshold 61u
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	109-109

(Back to chapter 46)

46.4.111 PThre01v, Position threshold 01v

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 01v
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre01v
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre01v, Position threshold 01v
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	110-110

(Back to chapter 46)

46.4.112 PThre11v, Position threshold 11v

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 11v
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre11v
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre11v, Position threshold 11v
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	111-111

(Back to chapter 46)

46.4.113 PThre21v, Position threshold 21v

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 21v
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre21v
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre21v, Position threshold 21v
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	112-112

(Back to chapter 46)

46.4.114 PThre31v, Position threshold 31v

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 31v
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre31v
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre31v, Position threshold 31v
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	113-113

(Back to chapter 46)

46.4.115 PThre41v, Position threshold 41v

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 41v
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre41v
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre41v, Position threshold 41v
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	114-114

(Back to chapter 46)

46.4.116 PThre51v, Position threshold 51v

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 51v
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre51v
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre51v, Position threshold 51v
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	115-115

(Back to chapter 46)

46.4.117 PThre61v, Position threshold 61v

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 61v
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre61v
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre61v, Position threshold 61v
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	116-116

(Back to chapter 46)

46.4.118 PThre01w, Position threshold 01w

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 01w
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre01w
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre01w, Position threshold 01w
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	117-117

(Back to chapter 46)

46.4.119 PThre11w, Position threshold 11w

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 11w
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre11w
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre11w, Position threshold 11w
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	118-118

(Back to chapter 46)

46.4.120 PThre21w, Position threshold 21w

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 21w
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre21w
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre21w, Position threshold 21w
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	119-119

(Back to chapter 46)

46.4.121 PThre31w, Position threshold 31w

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 31w
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre31w
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre31w, Position threshold 31w
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	120-120

(Back to chapter 46)

46.4.122 PThre41w, Position threshold 41w

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 41w
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre41w
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre41w, Position threshold 41w
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	121-121

(Back to chapter 46)

46.4.123 PThre51w, Position threshold 51w

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 51w
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre51w
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre51w, Position threshold 51w
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	122-122

(Back to chapter 46)

46.4.124 PThre61w, Position threshold 61w

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 61w
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre61w
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre61w, Position threshold 61w
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	123-123

(Back to chapter 46)

46.4.125 PThre01x, Position threshold 01x

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 01x
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre01x
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre01x, Position threshold 01x
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	124-124

(Back to chapter 46)

46.4.126 PThre11x, Position threshold 11x

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 11x
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre11x
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre11x, Position threshold 11x
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	125-125

(Back to chapter 46)

46.4.127 PThre21x, Position threshold 21x

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 21x
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre21x
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre21x, Position threshold 21x
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	126-126

(Back to chapter 46)

46.4.128 PThre31x, Position threshold 31x

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 31x
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre31x
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre31x, Position threshold 31x
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	127-127

(Back to chapter 46)

46.4.129 PThre41x, Position threshold 41x

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 41x
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre41x
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre41x, Position threshold 41x
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	128-128

(Back to chapter 46)

46.4.130 PThre51x, Position threshold 51x

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 51x
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre51x
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre51x, Position threshold 51x
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	129-129

(Back to chapter 46)

46.4.131 PThre61x, Position threshold 61x

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 61x
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre61x
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre61x, Position threshold 61x
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	130-130

(Back to chapter 46)

46.4.132 PThre01y, Position threshold 01y

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 01y
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre01y
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre01y, Position threshold 01y
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	131-131

(Back to chapter 46)

46.4.133 PThre11y, Position threshold 11y

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 11y
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre11y
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre11y, Position threshold 11y
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	132-132

(Back to chapter 46)

46.4.134 PThre21y, Position threshold 21y

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 21y
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre21y
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre21y, Position threshold 21y
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	133-133

(Back to chapter 46)

46.4.135 PThre31y, Position threshold 31y

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 31y
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre31y
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre31y, Position threshold 31y
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	134-134

(Back to chapter 46)

46.4.136 PThre41y, Position threshold 41y

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 41y
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre41y
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre41y, Position threshold 41y
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	135-135

(Back to chapter 46)

46.4.137 PThre51y, Position threshold 51y

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 51y
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre51y
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre51y, Position threshold 51y
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	136-136

(Back to chapter 46)

46.4.138 PThre61y, Position threshold 61y

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 61y
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre61y
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre61y, Position threshold 61y
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	137-137

(Back to chapter 46)

46.4.139 PThre01z, Position threshold 01z

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 01z
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre01z
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre01z, Position threshold 01z
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	138-138

(Back to chapter 46)

46.4.140 PThre11z, Position threshold 11z

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 11z
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre11z
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre11z, Position threshold 11z
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	139-139

(Back to chapter 46)

46.4.141 PThre21z, Position threshold 21z

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 21z
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre21z
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre21z, Position threshold 21z
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	140-140

(Back to chapter 46)

46.4.142 PThre31z, Position threshold 31z

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 31z
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre31z
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre31z, Position threshold 31z
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	141-141

(Back to chapter 46)

46.4.143 PThre41z, Position threshold 41z

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 41z
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre41z
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre41z, Position threshold 41z
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	142-142

(Back to chapter 46)

46.4.144 PThre51z, Position threshold 51z

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 51z
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre51z
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre51z, Position threshold 51z
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	143-143

(Back to chapter 46)

46.4.145 PThre61z, Position threshold 61z

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 61z
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre61z
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre61z, Position threshold 61z
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	144-144

(Back to chapter 46)

46.4.146 TID2, Threshold Identification 2

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Threshold Identification 2
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	TID2
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	TID2, Threshold Identification 2
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	145-145

(Back to chapter 46)

46.4.147 TFCntr2, Threshold Control 2

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Threshold Control 2
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	TFCntr2
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	TFCntr2, Threshold Control 2
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	146-146

(Back to chapter 46)

46.4.148 PThre02u, Position threshold 02u

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 02u
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre02u
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre02u, Position threshold 02u
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	147-147

(Back to chapter 46)

46.4.149 PThre12u, Position threshold 12u

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 12u
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre12u
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre12u, Position threshold 12u
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	148-148

(Back to chapter 46)

46.4.150 PThre22u, Position threshold 22u

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 22u
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre22u
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre22u, Position threshold 22u
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	149-149

(Back to chapter 46)

46.4.151 PThre32u, Position threshold 32u

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 32u
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre32u
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre32u, Position threshold 32u
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	150-150

(Back to chapter 46)

46.4.152 PThre42u, Position threshold 42u

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 42u
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre42u
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre42u, Position threshold 42u
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	151-151

(Back to chapter 46)

46.4.153 PThre52u, Position threshold 52u

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 52u
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre52u
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre52u, Position threshold 52u
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	152-152

(Back to chapter 46)

46.4.154 PThre62u, Position threshold 62u

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 62u
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre62u
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre62u, Position threshold 62u
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	153-153

(Back to chapter 46)

46.4.155 PThre02v, Position threshold 02v

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 02v
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre02v
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre02v, Position threshold 02v
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	154-154

(Back to chapter 46)

46.4.156 PThre12v, Position threshold 12v

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 12v
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre12v
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre12v, Position threshold 12v
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	155-155

(Back to chapter 46)

46.4.157 PThre22v, Position threshold 22v

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 22v
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre22v
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre22v, Position threshold 22v
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	156-156

(Back to chapter 46)

46.4.158 PThre32v, Position threshold 32v

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 32v
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre32v
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre32v, Position threshold 32v
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	157-157

(Back to chapter 46)

46.4.159 PThre42v, Position threshold 42v

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 42v
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre42v
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre42v, Position threshold 42v
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	158-158

(Back to chapter 46)

46.4.160 PThre52v, Position threshold 52v

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 52v
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre52v
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre52v, Position threshold 52v
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	159-159

(Back to chapter 46)

46.4.161 PThre62v, Position threshold 62v

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 62v
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre62v
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre62v, Position threshold 62v
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	160-160

(Back to chapter 46)

46.4.162 PThre02w, Position threshold 02w

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 02w
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre02w
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre02w, Position threshold 02w
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	161-161

(Back to chapter 46)

46.4.163 PThre12w, Position threshold 12w

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 12w
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre12w
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre12w, Position threshold 12w
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	162-162

(Back to chapter 46)

46.4.164 PThre22w, Position threshold 22w

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 22w
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre22w
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre22w, Position threshold 22w
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	163-163

(Back to chapter 46)

46.4.165 PThre32w, Position threshold 32w

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 32w
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre32w
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre32w, Position threshold 32w
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	164-164

(Back to chapter 46)

46.4.166 PThre42w, Position threshold 42w

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 42w
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre42w
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre42w, Position threshold 42w
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	165-165

(Back to chapter 46)

46.4.167 PThre52w, Position threshold 52w

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 52w
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre52w
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre52w, Position threshold 52w
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	166-166

(Back to chapter 46)

46.4.168 PThre62w, Position threshold 62w

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 62w
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre62w
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre62w, Position threshold 62w
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	167-167

(Back to chapter 46)

46.4.169 PThre02x, Position threshold 02x

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 02x
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre02x
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre02x, Position threshold 02x
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	168-168

(Back to chapter 46)

46.4.170 PThre12x, Position threshold 12x

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 12x
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre12x
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre12x, Position threshold 12x
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	169-169

(Back to chapter 46)

46.4.171 PThre22x, Position threshold 22x

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 22x
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre22x
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre22x, Position threshold 22x
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	170-170

(Back to chapter 46)

46.4.172 PThre32x, Position threshold 32x

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 32x
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre32x
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre32x, Position threshold 32x
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	171-171

(Back to chapter 46)

46.4.173 PThre42x, Position threshold 42x

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 42x
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre42x
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre42x, Position threshold 42x
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	172-172

(Back to chapter 46)

46.4.174 PThre52x, Position threshold 52x

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 52x
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre52x
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre52x, Position threshold 52x
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	173-173

(Back to chapter 46)

46.4.175 PThre62x, Position threshold 62x

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 62x
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre62x
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre62x, Position threshold 62x
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	174-174

(Back to chapter 46)

46.4.176 PThre02y, Position threshold 02y

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 02y
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre02y
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre02y, Position threshold 02y
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	175-175

(Back to chapter 46)

46.4.177 PThre12y, Position threshold 12y

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 12y
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre12y
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre12y, Position threshold 12y
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	176-176

(Back to chapter 46)

46.4.178 PThre22y, Position threshold 22y

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 22y
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre22y
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre22y, Position threshold 22y
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	177-177

(Back to chapter 46)

46.4.179 PThre32y, Position threshold 32y

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 32y
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre32y
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre32y, Position threshold 32y
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	178-178

(Back to chapter 46)

46.4.180 PThre42y, Position threshold 42y

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 42y
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre42y
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre42y, Position threshold 42y
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	179-179

(Back to chapter 46)

46.4.181 PThre52y, Position threshold 52y

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 52y
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre52y
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre52y, Position threshold 52y
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	180-180

(Back to chapter 46)

46.4.182 PThre62y, Position threshold 62y

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 62y
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre62y
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre62y, Position threshold 62y
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	181-181

(Back to chapter 46)

46.4.183 PThre02z, Position threshold 02z

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 02z
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre02z
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre02z, Position threshold 02z
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	182-182

(Back to chapter 46)

46.4.184 PThre12z, Position threshold 12z

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 12z
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre12z
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre12z, Position threshold 12z
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	183-183

(Back to chapter 46)

46.4.185 PThre22z, Position threshold 22z

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 22z
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre22z
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre22z, Position threshold 22z
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	184-184

(Back to chapter 46)

46.4.186 PThre32z, Position threshold 32z

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 32z
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre32z
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre32z, Position threshold 32z
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	185-185

(Back to chapter 46)

46.4.187 PThre42z, Position threshold 42z

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 42z
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre42z
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre42z, Position threshold 42z
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	186-186

(Back to chapter 46)

46.4.188 PThre52z, Position threshold 52z

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 52z
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre52z
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre52z, Position threshold 52z
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	187-187

(Back to chapter 46)

46.4.189 PThre62z, Position threshold 62z

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 62z
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PThre62z
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PThre62z, Position threshold 62z
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	188-188

(Back to chapter 46)

46.4.190 TID3, Threshold Identification 3

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Threshold Identification 3
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	TID3
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	TID3, Threshold Identification 3
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	189-189

(Back to chapter 46)

46.4.191 TFCntr3, Threshold Control 3

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Threshold Control 3
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	TFCntr3
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	TFCntr3, Threshold Control 3
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	190-190

(Back to chapter 46)

46.4.192 PTre03u, Position threshold 03u

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 03u
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre03u
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre03u, Position threshold 03u
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	191-191

(Back to chapter 46)

46.4.193 PTre13u, Position threshold 13u

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 13u
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre13u
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre13u, Position threshold 13u
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	192-192

(Back to chapter 46)

46.4.194 PTre23u, Position threshold 23u

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 23u
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre23u
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre23u, Position threshold 23u
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	193-193

(Back to chapter 46)

46.4.195 PTre33u, Position threshold 33u

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 33u
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre33u
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre33u, Position threshold 33u
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	194-194

(Back to chapter 46)

46.4.196 PTre43u, Position threshold 43u

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 43u
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre43u
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre43u, Position threshold 43u
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	195-195

(Back to chapter 46)

46.4.197 PTre53u, Position threshold 53u

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 53u
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre53u
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre53u, Position threshold 53u
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	196-196

(Back to chapter 46)

46.4.198 PTre63u, Position threshold 63u

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 63u
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre63u
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre63u, Position threshold 63u
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	197-197

(Back to chapter 46)

46.4.199 PTre03v, Position threshold 03v

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 03v
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre03v
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre03v, Position threshold 03v
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	198-198

(Back to chapter 46)

46.4.200 PTre13v, Position threshold 13v

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 13v
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre13v
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre13v, Position threshold 13v
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	199-199

(Back to chapter 46)

46.4.201 PTre23v, Position threshold 23v

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 23v
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre23v
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre23v, Position threshold 23v
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	200-200

(Back to chapter 46)

46.4.202 PTre33v, Position threshold 33v

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 33v
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre33v
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre33v, Position threshold 33v
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	201-201

(Back to chapter 46)

46.4.203 PTre43v, Position threshold 43v

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 43v
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre43v
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre43v, Position threshold 43v
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	202-202

(Back to chapter 46)

46.4.204 PTre53v, Position threshold 53v

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 53v
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre53v
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre53v, Position threshold 53v
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	203-203

(Back to chapter 46)

46.4.205 PTre63v, Position threshold 63v

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 63v
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre63v
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre63v, Position threshold 63v
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	204-204

(Back to chapter 46)

46.4.206 PTre03w, Position threshold 03w

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 03w
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre03w
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre03w, Position threshold 03w
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	205-205

(Back to chapter 46)

46.4.207 PTre13w, Position threshold 13w

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 13w
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre13w
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre13w, Position threshold 13w
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	206-206

(Back to chapter 46)

46.4.208 PTre23w, Position threshold 23w

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 23w
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre23w
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre23w, Position threshold 23w
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	207-207

(Back to chapter 46)

46.4.209 PTre33w, Position threshold 33w

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 33w
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre33w
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre33w, Position threshold 33w
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	208-208

(Back to chapter 46)

46.4.210 PTre43w, Position threshold 43w

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 43w
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre43w
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre43w, Position threshold 43w
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	209-209

(Back to chapter 46)

46.4.211 PTre53w, Position threshold 53w

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 53w
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre53w
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre53w, Position threshold 53w
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	210-210

(Back to chapter 46)

46.4.212 PTre63w, Position threshold 63w

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 63w
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre63w
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre63w, Position threshold 63w
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	211-211

(Back to chapter 46)

46.4.213 PTre03x, Position threshold 03x

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 03x
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre03x
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre03x, Position threshold 03x
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	212-212

(Back to chapter 46)

46.4.214 PTre13x, Position threshold 13x

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 13x
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre13x
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre13x, Position threshold 13x
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	213-213

(Back to chapter 46)

46.4.215 PTre23x, Position threshold 23x

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 23x
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre23x
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre23x, Position threshold 23x
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	214-214

(Back to chapter 46)

46.4.216 PTre33x, Position threshold 33x

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 33x
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre33x
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre33x, Position threshold 33x
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	215-215

(Back to chapter 46)

46.4.217 PTre43x, Position threshold 43x

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 43x
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre43x
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre43x, Position threshold 43x
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	216-216

(Back to chapter 46)

46.4.218 PTre53x, Position threshold 53x

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 53x
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre53x
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre53x, Position threshold 53x
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	217-217

(Back to chapter 46)

46.4.219 PTre63x, Position threshold 63x

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 63x
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre63x
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre63x, Position threshold 63x
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	218-218

(Back to chapter 46)

46.4.220 PTre03y, Position threshold 03y

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 03y
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre03y
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre03y, Position threshold 03y
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	219-219

(Back to chapter 46)

46.4.221 PTre13y, Position threshold 13y

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 13y
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre13y
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre13y, Position threshold 13y
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	220-220

(Back to chapter 46)

46.4.222 PTre23y, Position threshold 23y

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 23y
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre23y
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre23y, Position threshold 23y
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	221-221

(Back to chapter 46)

46.4.223 PTre33y, Position threshold 33y

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 33y
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre33y
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre33y, Position threshold 33y
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	222-222

(Back to chapter 46)

46.4.224 PTre43y, Position threshold 43y

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 43y
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre43y
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre43y, Position threshold 43y
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	223-223

(Back to chapter 46)

46.4.225 PTre53y, Position threshold 53y

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 53y
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre53y
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre53y, Position threshold 53y
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	224-224

(Back to chapter 46)

46.4.226 PTre63y, Position threshold 63y

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 63y
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre63y
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre63y, Position threshold 63y
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	225-225

(Back to chapter 46)

46.4.227 PTre03z, Position threshold 03z

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 03z
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre03z
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre03z, Position threshold 03z
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	226-226

(Back to chapter 46)

46.4.228 PTre13z, Position threshold 13z

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 13z
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre13z
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre13z, Position threshold 13z
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	227-227

(Back to chapter 46)

46.4.229 PTre23z, Position threshold 23z

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 23z
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre23z
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre23z, Position threshold 23z
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	228-228

(Back to chapter 46)

46.4.230 PTre33z, Position threshold 33z

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 33z
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre33z
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre33z, Position threshold 33z
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	229-229

(Back to chapter 46)

46.4.231 PTre43z, Position threshold 43z

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 43z
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre43z
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre43z, Position threshold 43z
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	230-230

(Back to chapter 46)

46.4.232 PTre53z, Position threshold 53z

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 53z
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre53z
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre53z, Position threshold 53z
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	231-231

(Back to chapter 46)

46.4.233 PTre63z, Position threshold 63z

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 63z
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre63z
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre63z, Position threshold 63z
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	232-232

(Back to chapter 46)

46.4.234 TID4, Threshold Identification 4

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Threshold Identification 4
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	TID4
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	TID4, Threshold Identification 4
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	233-233

(Back to chapter 46)

46.4.235 TFCntr4, Threshold Control 4

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Threshold Control 4
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	TFCntr4
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	TFCntr4, Threshold Control 4
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	234-234

(Back to chapter 46)

46.4.236 PTre04u, Position threshold 04u

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 04u
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre04u
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre04u, Position threshold 04u
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	235-235

(Back to chapter 46)

46.4.237 PTre14u, Position threshold 14u

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 14u
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre14u
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre14u, Position threshold 14u
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	236-236

(Back to chapter 46)

46.4.238 PTre24u, Position threshold 24u

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 24u
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre24u
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre24u, Position threshold 24u
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	237-237

(Back to chapter 46)

46.4.239 PTre34u, Position threshold 34u

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 34u
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre34u
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre34u, Position threshold 34u
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	238-238

(Back to chapter 46)

46.4.240 PTre44u, Position threshold 44u

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 44u
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre44u
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre44u, Position threshold 44u
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	239-239

(Back to chapter 46)

46.4.241 PTre54u, Position threshold 54u

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 54u
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre54u
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre54u, Position threshold 54u
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	240-240

(Back to chapter 46)

46.4.242 PTre64u, Position threshold 64u

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 64u
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre64u
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre64u, Position threshold 64u
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	241-241

(Back to chapter 46)

46.4.243 PTre04v, Position threshold 04v

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 04v
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre04v
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre04v, Position threshold 04v
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	242-242

(Back to chapter 46)

46.4.244 PTre14v, Position threshold 14v

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 14v
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre14v
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre14v, Position threshold 14v
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	243-243

(Back to chapter 46)

46.4.245 PTre24v, Position threshold 24v

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 24v
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre24v
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre24v, Position threshold 24v
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	244-244

(Back to chapter 46)

46.4.246 PTre34v, Position threshold 34v

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 34v
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre34v
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre34v, Position threshold 34v
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	245-245

(Back to chapter 46)

46.4.247 PTre44v, Position threshold 44v

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 44v
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre44v
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre44v, Position threshold 44v
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	246-246

(Back to chapter 46)

46.4.248 PTre54v, Position threshold 54v

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 54v
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre54v
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre54v, Position threshold 54v
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	247-247

(Back to chapter 46)

46.4.249 PTre64v, Position threshold 64v

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 64v
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre64v
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre64v, Position threshold 64v
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	248-248

(Back to chapter 46)

46.4.250 PTre04w, Position threshold 04w

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 04w
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre04w
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre04w, Position threshold 04w
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	249-249

(Back to chapter 46)

46.4.251 PTre14w, Position threshold 14w

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 14w
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre14w
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre14w, Position threshold 14w
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	250-250

(Back to chapter 46)

46.4.252 PTre24w, Position threshold 24w

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 24w
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre24w
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre24w, Position threshold 24w
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	251-251

(Back to chapter 46)

46.4.253 PTre34w, Position threshold 34w

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 34w
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre34w
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre34w, Position threshold 34w
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	252-252

(Back to chapter 46)

46.4.254 PTre44w, Position threshold 44w

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 44w
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre44w
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre44w, Position threshold 44w
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	253-253

(Back to chapter 46)

46.4.255 PTre54w, Position threshold 54w

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 54w
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre54w
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre54w, Position threshold 54w
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	254-254

(Back to chapter 46)

46.4.256 PTre64w, Position threshold 64w

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 64w
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre64w
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre64w, Position threshold 64w
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	255-255

(Back to chapter 46)

46.4.257 PTre04x, Position threshold 04x

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 04x
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre04x
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre04x, Position threshold 04x
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	256-256

(Back to chapter 46)

46.4.258 PTre14x, Position threshold 14x

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 14x
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre14x
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre14x, Position threshold 14x
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	257-257

(Back to chapter 46)

46.4.259 PTre24x, Position threshold 24x

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 24x
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre24x
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre24x, Position threshold 24x
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	258-258

(Back to chapter 46)

46.4.260 PTre34x, Position threshold 34x

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 34x
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre34x
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre34x, Position threshold 34x
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	259-259

(Back to chapter 46)

46.4.261 PTre44x, Position threshold 44x

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 44x
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre44x
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre44x, Position threshold 44x
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	260-260

(Back to chapter 46)

46.4.262 PTre54x, Position threshold 54x

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 54x
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre54x
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre54x, Position threshold 54x
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	261-261

(Back to chapter 46)

46.4.263 PTre64x, Position threshold 64x

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 64x
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre64x
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre64x, Position threshold 64x
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	262-262

(Back to chapter 46)

46.4.264 PTre04y, Position threshold 04y

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 04y
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre04y
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre04y, Position threshold 04y
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	263-263

(Back to chapter 46)

46.4.265 PTre14y, Position threshold 14y

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 14y
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre14y
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre14y, Position threshold 14y
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	264-264

(Back to chapter 46)

46.4.266 PTre24y, Position threshold 24y

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 24y
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre24y
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre24y, Position threshold 24y
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	265-265

(Back to chapter 46)

46.4.267 PTre34y, Position threshold 34y

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 34y
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre34y
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre34y, Position threshold 34y
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	266-266

(Back to chapter 46)

46.4.268 PTre44y, Position threshold 44y

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 44y
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre44y
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre44y, Position threshold 44y
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	267-267

(Back to chapter 46)

46.4.269 PTre54y, Position threshold 54y

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 54y
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre54y
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre54y, Position threshold 54y
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	268-268

(Back to chapter 46)

46.4.270 PTre64y, Position threshold 64y

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 64y
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre64y
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre64y, Position threshold 64y
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	269-269

(Back to chapter 46)

46.4.271 PTre04z, Position threshold 04z

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 04z
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre04z
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre04z, Position threshold 04z
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	270-270

(Back to chapter 46)

46.4.272 PTre14z, Position threshold 14z

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 14z
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre14z
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre14z, Position threshold 14z
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	271-271

(Back to chapter 46)

46.4.273 PTre24z, Position threshold 24z

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 24z
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre24z
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre24z, Position threshold 24z
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	272-272

(Back to chapter 46)

46.4.274 PTre34z, Position threshold 34z

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 34z
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre34z
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre34z, Position threshold 34z
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	273-273

(Back to chapter 46)

46.4.275 PTre44z, Position threshold 44z

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 44z
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre44z
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre44z, Position threshold 44z
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	274-274

(Back to chapter 46)

46.4.276 PTre54z, Position threshold 54z

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 54z
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre54z
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre54z, Position threshold 54z
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	275-275

(Back to chapter 46)

46.4.277 PTre64z, Position threshold 64z

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Position threshold 64z
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	32000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	32000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PTre64z
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PTre64z, Position threshold 64z
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	276-276

(Back to chapter 46)

46.5 zVariables

No zVariables (Back to chapter 46)

46.6 end

section is empty (Back to chapter 46)

Chapter 47

STOF HK L0 V03

Contents

47.1 header 757
47.2 GLOBALattributes 758
47.3 VARIABLEattributes 759
47.4 variables 761
47.4.1 Epoch, Time TAI 762
47.4.2 EdbCnt, Totel edb since instr turn on 762
47.4.3 HdbCnt, Totel edb since instr turn on with data 763
47.4.4 SDacMcp2, High volt start mcp 763
47.4.5 21SDacMc, High volt start mcp 764
47.4.6 22SDacMc, High volt start mcp 764
47.4.7 23SDacMc, High volt start mcp 765
47.4.8 10SDacMc, High volt start mcp 765
47.4.9 11SDacMc, High volt start mcp 766
47.4.10 12SDacMc, High volt start mcp 766
47.4.11 13SDacMc, High volt start mcp 767
47.4.12 SSDbMon0, Solid Stat detector bias voltage 767
47.4.13 SSDbMon1, Solid Stat detector bias voltage 768
47.4.14 SSDbMon2, Solid Stat detector bias voltage 768
47.4.15 SSDbMon3, Solid Stat detector bias voltage 769
47.4.16 SSDgrid0, Solid Stat detector Gridvoltage 769
47.4.17 SSDgrid1, Solid Stat detector Grid voltage 770
47.4.18 SSDgrid2, Solid Stat detector Grid voltage 770
47.4.19 SSDgrid3, Solid Stat detector Grid voltage 771
47.4.20 SStatus0, Binary 8 bit 771
47.4.21 01SStatu, Binary 8 bit 772
47.4.22 02SStatu, Binary 8 bit 772
47.4.23 03SStatu, Binary 8 bit 773
47.4.24 10SStatu, Binary 8 bit 773
47.4.25 11SStatu, Binary 8 bit 774
47.4.26 12SStatu, Binary 8 bit 774
47.4.27 13SStatu, Binary 8 bit 775
47.4.28 SDeflPlT, Temperature of deflection housing 775
47.4.29 SBasePlT, Temperature of base plate 776
47.4.30 SAnEntrH, Temperature of entrance housing 776
47.4.31 SSwHVCon, Temperature of High volt converter 777

47.4.32 SSunShTE, Temperature of sun shade . . . 777
47.4.33 SHouTofT, Temperature of housing time of flight . . . 778
47.4.34 SHouSsdT, Temperature of . . . 778
47.4.35 SIntSsdT, Temperature of . . . 779
47.4.36 SRpBoxTE, Temperature of . . . 779
47.4.37 SLvBoxTE, Temperature of . . . 780
47.4.38 SEuvTemp, Temperature of SEM Euv detector . . . 780
47.4.39 HAnalHVC, Current of High Voltage . . . 781
47.4.40 SRegSWEE, Volt of Regulator 2 . . . 781
47.4.41 2SRegSWE, Volt of Regulator 2 . . . 782
47.4.42 3SRegSWE, Volt of Regulator 1 . . . 782
47.4.43 4SRegSWE, Volt of Regulator 1 . . . 783
47.4.44 HRegHV, Volt of Regulator for HSTOF . . . 783
47.4.45 SCtrlMcp, Volt of MCP control start . . . 784
47.4.46 1SCtrlMc, Volt of MCP control stop . . . 784
47.4.47 SP12VMon, Volt of regulator . . . 785
47.4.48 SM12VMon, Volt of regulator . . . 785
47.4.49 SP5VMon, Volt of regulator . . . 786
47.4.50 SM5VMon, Volt of regulator . . . 786
47.4.51 SEuvP12V, Volt of Euv monitor (12V) . . . 787
47.4.52 SEuvM12V, Volt of Euv monitor (-12V) . . . 787
47.4.53 SLVConvC, current of low volt converter . . . 788
47.4.54 SSWEEP2C, current of sweep 2 maximum . . . 788
47.4.55 2SSWEEP2, current of sweep 2 maximum . . . 789
47.4.56 3SSWEEP1, current of sweep 1 maximum . . . 789
47.4.57 4SSWEEP1, current of sweep 1 minimum . . . 790
47.4.58 SPresStr, Logic rate for strob 1 . . . 790
47.4.59 SRejPRES, STOF preselection rejection rate . . . 791
47.4.60 SRejFINS, STOF final rejection rate . . . 791
47.4.61 SLoRes, low time resolution basic rate . . . 792
47.4.62 0SSWEEPS, Sweep step number . . . 792
47.4.63 SSWEEPSe, Sweep step number . . . 793
47.4.64 2SSWEEPS, Sweep step number . . . 793
47.4.65 3SSWEEPS, Sweep step number . . . 794
47.4.66 0SSWEEP2, Sweep step Voltage . . . 794
47.4.67 1SSWEEP2, Sweep step Voltage . . . 795
47.4.68 22SSWEEP, Sweep step Voltage . . . 795
47.4.69 33SSWEEP, Sweep step Voltage . . . 796
47.4.70 00SSWEEP, Sweep step Voltage . . . 796
47.4.71 11SSWEEP, Sweep step Voltage . . . 797
47.4.72 222SSWEE, Sweep step Voltage . . . 797
47.4.73 333SSWEE, Sweep step Voltage . . . 798
47.4.74 0000SSWE, Sweep step Voltage . . . 798
47.4.75 1111SSWE, Sweep step Voltage . . . 799
47.4.76 2222SSWE, Sweep step Voltage . . . 799
47.4.77 3333SSWE, Sweep step Voltage . . . 800
47.4.78 00000SSW, Sweep step Voltage . . . 800
47.4.79 11111SSW, Sweep step Voltage . . . 801
47.4.80 22222SSW, Sweep step Voltage . . . 801
47.4.81 33333SSW, Sweep step Voltage . . . 802

47.4.82 HAnallHV, HSTOF High voltage 802

47.4.83 1HAnallH, HSTOF High voltage 803

47.4.84 2HAnallH, HSTOF High voltage 803

47.4.85 3HAnallH, HSTOF High voltage 804

47.5 zVariables 804

47.6 end 804

47.1 header

CDF NAME:	SO_CEL_STOF_HK_L0_V03				
DATA ENCODING:	NETWORK				
MAJORITY:	COLUMN				
FORMAT:	SINGLE				
Variables	G.Attributes	V.Attributes	Records	Dims	Sizes
85/0	21	17	0/z	0	

(Back to chapter 47)

47.2 GLOBALattributes

TITLE	1:	CDF_CHAR	STOF housekeeping data
Project	1:	CDF_CHAR	ISTP>International Solar-Terrestrial Physics
Discipline	1:	CDF_CHAR	Solar Physics>Solar Wind
Source_name	1:	CDF_CHAR	SO>Solar Heliospheric Observatory (SOHO)
Descriptor	1:	CDF_CHAR	CEL>Charge, Element and Isotope Analysis System (C
	2:	CDF_CHAR	ELIAS)
Detector	1:	CDF_CHAR	STOF>Suprathermal Time Of Flight
Series_name	1:	CDF_CHAR	HK>Housekeeping
Data_type	1:	CDF_CHAR	L0>Level 0
Logical_source	1:	CDF_CHAR	SO_CEL_STOF_HK_L0
TEXT	1:	CDF_CHAR	A description of the CELIAS instrument and
	2:	CDF_CHAR	scientific scope can be found on WWW
	3:	CDF_CHAR	at https://www.ieap.uni-kiel.de/et/soho/celias/
	4:	CDF_CHAR	or on the SOHO homepage at
	5:	CDF_CHAR	http://sohowww.nascom.nasa.gov/.
	6:	CDF_CHAR	A written description of CELIAS
	7:	CDF_CHAR	will appear in the special issue of
	8:	CDF_CHAR	Solar Physics dedicated to SOHO.
Data_version	1:	CDF_CHAR	01
MODS	1:	CDF_CHAR	<cwrap!actual_date>
skeleton_version	1:	CDF_CHAR	01
software_version	1:	CDF_CHAR	<cwrap!cwrap_version>
ADID_ref	1:	CDF_CHAR	NSSD0195
PI_name	1:	CDF_CHAR	Robert F. Wimmer-Schweingruber
PI_affiliation	1:	CDF_CHAR	Institut fuer Experimentelle und Angewandte Physik,
	2:	CDF_CHAR	Christian Albrechts Universitaet Kiel,
	3:	CDF_CHAR	Leibnizstr 11,
	4:	CDF_CHAR	24118 Kiel, Germany
Mission_group	1:	CDF_CHAR	SOHO
Instrument_type	1:	CDF_CHAR	Particles (space)
TEXT_supplement	1:	CDF_CHAR	Housekeeping data
TEXT_FOR_UOB	1:	CDF_CHAR	Hilchenbach and weygand

(Back to chapter 47)

47.3 VARIABLEattributes

FIELDNAM	
VALIDMIN	
VALIDMAX	
SCALETYP	
SCALEMIN	
SCALEMAX	
UNITS	
LABLAXIS	
FORMAT	
DEPEND_0	
!	DEPEND_1
!	DEPEND_2
!	DEPEND_3
!	DEPEND_4
!	DEPEND_5
MONOTON	
VAR_TYPE	
FILLVAL	
DISPLAY_TYPE	
CATDESC	
COLUMNS	
TIME_FORMAT	

(Back to chapter 47)

47.4 variables

Variable Name	Data Type	Number Elements	Record Variance	Dimension Variances
Epoch	CDF_EPOCH	1	T	
EdbCnt	CDF_INT4	1	T	
HdbCnt	CDF_INT4	1	T	
SDacMcp2_0	CDF_INT2	1	T	
21SDacMcp2_1	CDF_INT2	1	T	
22SDacMcp2_2	CDF_INT2	1	T	
23SDacMcp2_3	CDF_INT2	1	T	
10SDacMcp1_0	CDF_INT2	1	T	
11SDacMcp1_1	CDF_INT2	1	T	
12SDacMcp1_2	CDF_INT2	1	T	
13SDacMcp1_3	CDF_INT2	1	T	
SSDbMon0	CDF_FLOAT	1	T	
SSDbMon1	CDF_FLOAT	1	T	
SSDbMon2	CDF_FLOAT	1	T	
SSDbMon3	CDF_FLOAT	1	T	
SSDgrid0	CDF_FLOAT	1	T	
SSDgrid1	CDF_FLOAT	1	T	
SSDgrid2	CDF_FLOAT	1	T	
SSDgrid3	CDF_FLOAT	1	T	
SStatus0_0	CDF_INT4	1	T	
01SStatus0_1	CDF_INT4	1	T	
02SStatus0_2	CDF_INT4	1	T	
03SStatus0_3	CDF_INT4	1	T	
10SStatus1_0	CDF_INT4	1	T	
11SStatus1_1	CDF_INT4	1	T	
12SStatus1_2	CDF_INT4	1	T	
13SStatus1_3	CDF_INT4	1	T	
SDeflPlTEMP	CDF_FLOAT	1	T	
SBasePlTEMP	CDF_FLOAT	1	T	
SAnEntrHTEMP	CDF_FLOAT	1	T	
SSwHVConvTEMP	CDF_FLOAT	1	T	
SSunShTEMP	CDF_FLOAT	1	T	
SHouTofTEMP	CDF_FLOAT	1	T	
SHouSsdTEMP	CDF_FLOAT	1	T	
SIntSsdTEMP	CDF_FLOAT	1	T	
SRpBoxTEMP	CDF_FLOAT	1	T	
SLvBoxTEMP	CDF_FLOAT	1	T	
SEuvTemp	CDF_FLOAT	1	T	
HAnalHVCur	CDF_FLOAT	1	T	
SRegSWEEP2Max	CDF_FLOAT	1	T	
2SRegSWEEP2Min	CDF_FLOAT	1	T	
3SRegSWEEP1Max	CDF_FLOAT	1	T	
4SRegSWEEP1Min	CDF_FLOAT	1	T	
HRegHV	CDF_FLOAT	1	T	
SCtrlMcp2	CDF_FLOAT	1	T	
1SCtrlMcp1	CDF_FLOAT	1	T	
SP12VMon	CDF_FLOAT	1	T	
SM12VMon	CDF_FLOAT	1	T	
SP5VMon	CDF_FLOAT	1	T	
SM5VMon	CDF_FLOAT	1	T	
SEuvP12VMon	CDF_FLOAT	1	T	
SEuvM12VMon	CDF_FLOAT	1	T	
SLVConvCur	CDF_FLOAT	1	T	

47.4.1 Epoch, Time TAI

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Time TAI
VALIDMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
VALIDMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALEMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
SCALEMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Epoch
UNITS	CDF_CHAR	ms
VAR_TYPE	CDF_CHAR	support_data
CATDESC	CDF_CHAR	Epoch, Time TAI
FILLVAL	CDF_EPOCH	31-Dec-9999 23:59:59.999
DISPLAY_TYPE	CDF_CHAR	time_series
MONOTON	CDF_CHAR	INCREASE
TIME_FORMAT	CDF_CHAR	sec70base
COLUMNS	CDF_CHAR	0-0

(Back to chapter 47)

47.4.2 EdbCnt, Totel edb since instr turn on

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Totel edb since instr turn on
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	2000000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	2000000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	EdbCnt
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	EdbCnt, Totel edb since instr turn on
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	1-1

(Back to chapter 47)

47.4.3 HdbCnt, Totel edb since instr turn on with data

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Totel edb since instr turn on with data
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	2000000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	2000000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	HdbCnt
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	HdbCnt, Totel edb since instr turn on with data
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	2-2

(Back to chapter 47)

47.4.4 SDacMcp2, High volt start mcp

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	High volt start mcp
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	5000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	5000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SDacMcp2
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SDacMcp2, High volt start mcp
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	3-3

(Back to chapter 47)

47.4.5 21SDacMc, High volt start mcp

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	High volt start mcp
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	5000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	5000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	21SDacMc
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	21SDacMc, High volt start mcp
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	4-4

(Back to chapter 47)

47.4.6 22SDacMc, High volt start mcp

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	High volt start mcp
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	5000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	5000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	22SDacMc
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	22SDacMc, High volt start mcp
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	5-5

(Back to chapter 47)

47.4.7 23SDacMc, High volt start mcp

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	High volt start mcp
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	5000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	5000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	23SDacMc
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	23SDacMc, High volt start mcp
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	6-6

(Back to chapter 47)

47.4.8 10SDacMc, High volt start mcp

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	High volt start mcp
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	5000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	5000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	10SDacMc
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	10SDacMc, High volt start mcp
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	7-7

(Back to chapter 47)

47.4.9 11SDacMc, High volt start mcp

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	High volt start mcp
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	5000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	5000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	11SDacMc
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	11SDacMc, High volt start mcp
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	8-8

(Back to chapter 47)

47.4.10 12SDacMc, High volt start mcp

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	High volt start mcp
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	5000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	5000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	12SDacMc
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	12SDacMc, High volt start mcp
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	9-9

(Back to chapter 47)

47.4.11 13SDacMc, High volt start mcp

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	High volt start mcp
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	5000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	5000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	13SDacMc
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	13SDacMc, High volt start mcp
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	10-10

(Back to chapter 47)

47.4.12 SSDbMon0, Solid Stat detector bias voltage

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Solid Stat detector bias voltage
VALIDMIN	CDF_FLOAT	-250
VALIDMAX	CDF_FLOAT	-2
SCALEMIN	CDF_FLOAT	-250
SCALEMAX	CDF_FLOAT	-2
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SSDbMon0
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SSDbMon0, Solid Stat detector bias voltage
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F3.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	11-11

(Back to chapter 47)

47.4.13 SSDbMon1, Solid Stat detector bias voltage

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Solid Stat detector bias voltage
VALIDMIN	CDF_FLOAT	-250
VALIDMAX	CDF_FLOAT	-2
SCALEMIN	CDF_FLOAT	-250
SCALEMAX	CDF_FLOAT	-2
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SSDbMon1
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SSDbMon1, Solid Stat detector bias voltage
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F3.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	12-12

(Back to chapter 47)

47.4.14 SSDbMon2, Solid Stat detector bias voltage

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Solid Stat detector bias voltage
VALIDMIN	CDF_FLOAT	-250
VALIDMAX	CDF_FLOAT	-2
SCALEMIN	CDF_FLOAT	-250
SCALEMAX	CDF_FLOAT	-2
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SSDbMon2
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SSDbMon2, Solid Stat detector bias voltage
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F3.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	13-13

(Back to chapter 47)

47.4.15 SSDbMon3, Solid Stat detector bias voltage

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Solid Stat detector bias voltage
VALIDMIN	CDF_FLOAT	-250
VALIDMAX	CDF_FLOAT	-2
SCALEMIN	CDF_FLOAT	-250
SCALEMAX	CDF_FLOAT	-2
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SSDbMon3
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SSDbMon3, Solid Stat detector bias voltage
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F3.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	14-14

(Back to chapter 47)

47.4.16 SSDgrid0, Solid Stat detector Gridvoltage

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Solid Stat detector Gridvoltage
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	10
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	10
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SSDgrid0
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SSDgrid0, Solid Stat detector Gridvoltage
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F2.3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	15-15

(Back to chapter 47)

47.4.17 SSDgrid1, Solid Stat detector Grid voltage

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Solid Stat detector Grid voltage
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	10
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	10
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SSDgrid1
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SSDgrid1, Solid Stat detector Grid voltage
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F2.3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	16-16

(Back to chapter 47)

47.4.18 SSDgrid2, Solid Stat detector Grid voltage

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Solid Stat detector Grid voltage
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	10
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	10
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SSDgrid2
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SSDgrid2, Solid Stat detector Grid voltage
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F2.3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	17-17

(Back to chapter 47)

47.4.19 SSDgrid3, Solid Stat detector Grid voltage

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Solid Stat detector Grid voltage
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	10
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	10
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SSDgrid3
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SSDgrid3, Solid Stat detector Grid voltage
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F2.3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	18-18

(Back to chapter 47)

47.4.20 SStatus0, Binary 8 bit

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Binary 8 bit
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	2000000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	2000000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SStatus0
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SStatus0, Binary 8 bit
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	19-19

(Back to chapter 47)

47.4.21 01SStatu, Binary 8 bit

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Binary 8 bit
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	2000000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	2000000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	01SStatu
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	01SStatu, Binary 8 bit
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	20-20

(Back to chapter 47)

47.4.22 02SStatu, Binary 8 bit

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Binary 8 bit
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	2000000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	2000000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	02SStatu
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	02SStatu, Binary 8 bit
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	21-21

(Back to chapter 47)

47.4.23 03SStatu, Binary 8 bit

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Binary 8 bit
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	2000000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	2000000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	03SStatu
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	03SStatu, Binary 8 bit
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	22-22

(Back to chapter 47)

47.4.24 10SStatu, Binary 8 bit

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Binary 8 bit
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	2000000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	2000000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	10SStatu
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	10SStatu, Binary 8 bit
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	23-23

(Back to chapter 47)

47.4.25 11SStatu, Binary 8 bit

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Binary 8 bit
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	2000000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	2000000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	11SStatu
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	11SStatu, Binary 8 bit
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	24-24

(Back to chapter 47)

47.4.26 12SStatu, Binary 8 bit

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Binary 8 bit
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	2000000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	2000000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	12SStatu
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	12SStatu, Binary 8 bit
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	25-25

(Back to chapter 47)

47.4.27 13SStatu, Binary 8 bit

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Binary 8 bit
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	2000000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	2000000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	13SStatu
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	13SStatu, Binary 8 bit
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	26-26

(Back to chapter 47)

47.4.28 SDeflPlT, Temperature of deflection housing

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Temperature of deflection housing
VALIDMIN	CDF_FLOAT	-100
VALIDMAX	CDF_FLOAT	200
SCALEMIN	CDF_FLOAT	-100
SCALEMAX	CDF_FLOAT	200
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SDeflPlT
UNITS	CDF_CHAR	Deg C
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SDeflPlT, Temperature of deflection housing
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	27-27

(Back to chapter 47)

47.4.29 SBasePlT, Temperature of base plate

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Temperature of base plate
VALIDMIN	CDF_FLOAT	-100
VALIDMAX	CDF_FLOAT	200
SCALEMIN	CDF_FLOAT	-100
SCALEMAX	CDF_FLOAT	200
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SBasePlT
UNITS	CDF_CHAR	Deg C
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SBasePlT, Temperature of base plate
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	28-28

(Back to chapter 47)

47.4.30 SAnEntrH, Temperature of entrance housing

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Temperature of entrance housing
VALIDMIN	CDF_FLOAT	-100
VALIDMAX	CDF_FLOAT	200
SCALEMIN	CDF_FLOAT	-100
SCALEMAX	CDF_FLOAT	200
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SAnEntrH
UNITS	CDF_CHAR	Deg C
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SAnEntrH, Temperature of entrance housing
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	29-29

(Back to chapter 47)

47.4.31 SSwHVCon, Temperature of High volt converter

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Temperature of High volt converter
VALIDMIN	CDF_FLOAT	-100
VALIDMAX	CDF_FLOAT	200
SCALEMIN	CDF_FLOAT	-100
SCALEMAX	CDF_FLOAT	200
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SSwHVCon
UNITS	CDF_CHAR	Deg C
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SSwHVCon, Temperature of High volt converter
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	30-30

(Back to chapter 47)

47.4.32 SSunShTE, Temperature of sun shade

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Temperature of sun shade
VALIDMIN	CDF_FLOAT	-100
VALIDMAX	CDF_FLOAT	200
SCALEMIN	CDF_FLOAT	-100
SCALEMAX	CDF_FLOAT	200
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SSunShTE
UNITS	CDF_CHAR	Deg C
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SSunShTE, Temperature of sun shade
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	31-31

(Back to chapter 47)

47.4.33 SHouTofT, Temperature of housing time of flight

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Temperature of housing time of flight
VALIDMIN	CDF_FLOAT	-100
VALIDMAX	CDF_FLOAT	200
SCALEMIN	CDF_FLOAT	-100
SCALEMAX	CDF_FLOAT	200
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SHouTofT
UNITS	CDF_CHAR	Deg C
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SHouTofT, Temperature of housing time of flight
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	32-32

(Back to chapter 47)

47.4.34 SHouSsdT, Temperature of

Attribute Name	Data Type	Value	
FIELDNAM	CDF_CHAR	Temperature of	housing solid state detect
VALIDMIN	CDF_FLOAT	-100	
VALIDMAX	CDF_FLOAT	200	
SCALEMIN	CDF_FLOAT	-100	
SCALEMAX	CDF_FLOAT	200	
SCALETYP	CDF_CHAR	linear	
LABLAXIS	CDF_CHAR	SHouSsdT	
UNITS	CDF_CHAR	Deg C	
VAR_TYPE	CDF_CHAR	data	
CATDESC	CDF_CHAR	SHouSsdT, Temperature of	housing solid state detect
FILLVAL	CDF_FLOAT	-1e37	
DISPLAY_TYPE	CDF_CHAR	time_series	
FORMAT	CDF_CHAR	F4.1	
DEPEND_0	CDF_CHAR	Epoch	
COLUMNS	CDF_CHAR	33-33	

(Back to chapter 47)

47.4.35 SIntSsdT, Temperature of

Attribute Name	Data Type	Value	
FIELDNAM	CDF_CHAR	Temperature of	internal solid state detector
VALIDMIN	CDF_FLOAT	-100	
VALIDMAX	CDF_FLOAT	200	
SCALEMIN	CDF_FLOAT	-100	
SCALEMAX	CDF_FLOAT	200	
SCALETYP	CDF_CHAR	linear	
LABLAXIS	CDF_CHAR	SIntSsdT	
UNITS	CDF_CHAR	Deg C	
VAR_TYPE	CDF_CHAR	data	
CATDESC	CDF_CHAR	SIntSsdT, Temperature of	internal solid state detector
FILLVAL	CDF_FLOAT	-1e37	
DISPLAY_TYPE	CDF_CHAR	time_series	
FORMAT	CDF_CHAR	F4.1	
DEPEND_0	CDF_CHAR	Epoch	
COLUMNS	CDF_CHAR	34-34	

(Back to chapter 47)

47.4.36 SRpBoxTE, Temperature of

Attribute Name	Data Type	Value	
FIELDNAM	CDF_CHAR	Temperature of	E box
VALIDMIN	CDF_FLOAT	-100	
VALIDMAX	CDF_FLOAT	200	
SCALEMIN	CDF_FLOAT	-100	
SCALEMAX	CDF_FLOAT	200	
SCALETYP	CDF_CHAR	linear	
LABLAXIS	CDF_CHAR	SRpBoxTE	
UNITS	CDF_CHAR	Deg C	
VAR_TYPE	CDF_CHAR	data	
CATDESC	CDF_CHAR	SRpBoxTE, Temperature of	E box
FILLVAL	CDF_FLOAT	-1e37	
DISPLAY_TYPE	CDF_CHAR	time_series	
FORMAT	CDF_CHAR	F4.1	
DEPEND_0	CDF_CHAR	Epoch	
COLUMNS	CDF_CHAR	35-35	

(Back to chapter 47)

47.4.37 SLvBoxTE, Temperature of

Attribute Name	Data Type	Value	
FIELDNAM	CDF_CHAR	Temperature of	Low volt conv e box
VALIDMIN	CDF_FLOAT	-100	
VALIDMAX	CDF_FLOAT	200	
SCALEMIN	CDF_FLOAT	-100	
SCALEMAX	CDF_FLOAT	200	
SCALETYP	CDF_CHAR	linear	
LABLAXIS	CDF_CHAR	SLvBoxTE	
UNITS	CDF_CHAR	Deg C	
VAR_TYPE	CDF_CHAR	data	
CATDESC	CDF_CHAR	SLvBoxTE, Temperature of	Low volt conv e box
FILLVAL	CDF_FLOAT	-1e37	
DISPLAY_TYPE	CDF_CHAR	time_series	
FORMAT	CDF_CHAR	F4.1	
DEPEND_0	CDF_CHAR	Epoch	
COLUMNS	CDF_CHAR	36-36	

(Back to chapter 47)

47.4.38 SEuvTemp, Temperature of SEM Euv detector

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Temperature of SEM Euv detector
VALIDMIN	CDF_FLOAT	-100
VALIDMAX	CDF_FLOAT	200
SCALEMIN	CDF_FLOAT	-100
SCALEMAX	CDF_FLOAT	200
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SEuvTemp
UNITS	CDF_CHAR	Deg C
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SEuvTemp, Temperature of SEM Euv detector
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	37-37

(Back to chapter 47)

47.4.39 HAnalHVC, Current of High Voltage

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Current of High Voltage
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	100
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	100
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	HAnalHVC
UNITS	CDF_CHAR	mA
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	HAnalHVC, Current of High Voltage
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	38-38

(Back to chapter 47)

47.4.40 SRegSWEE, Volt of Regulator 2

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Volt of Regulator 2
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	10
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	10
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SRegSWEE
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SRegSWEE, Volt of Regulator 2
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	39-39

(Back to chapter 47)

47.4.41 2SRegSWE, Volt of Regulator 2

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Volt of Regulator 2
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	10
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	10
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	2SRegSWE
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	2SRegSWE, Volt of Regulator 2
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	40-40

(Back to chapter 47)

47.4.42 3SRegSWE, Volt of Regulator 1

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Volt of Regulator 1
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	10
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	10
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	3SRegSWE
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	3SRegSWE, Volt of Regulator 1
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	41-41

(Back to chapter 47)

47.4.43 4SRegSWE, Volt of Regulator 1

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Volt of Regulator 1
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	10
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	10
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	4SRegSWE
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	4SRegSWE, Volt of Regulator 1
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	42-42

(Back to chapter 47)

47.4.44 HRegHV, Volt of Regulator for HSTOF

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Volt of Regulator for HSTOF
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	10
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	10
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	HRegHV
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	HRegHV, Volt of Regulator for HSTOF
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	43-43

(Back to chapter 47)

47.4.45 SCtrlMcp, Volt of MCP control start

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Volt of MCP control start
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	10
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	10
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SCtrlMcp
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SCtrlMcp, Volt of MCP control start
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	44-44

(Back to chapter 47)

47.4.46 1SCtrlMc, Volt of MCP control stop

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Volt of MCP control stop
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	10
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	10
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	1SCtrlMc
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	1SCtrlMc, Volt of MCP control stop
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	45-45

(Back to chapter 47)

47.4.47 SP12VMon, Volt of regulator

Attribute Name	Data Type	Value	
FIELDNAM	CDF_CHAR	Volt of regulator	(12 V)
VALIDMIN	CDF_FLOAT	0	
VALIDMAX	CDF_FLOAT	15	
SCALEMIN	CDF_FLOAT	0	
SCALEMAX	CDF_FLOAT	15	
SCALETYP	CDF_CHAR	linear	
LABLAXIS	CDF_CHAR	SP12VMon	
UNITS	CDF_CHAR	V	
VAR_TYPE	CDF_CHAR	data	
CATDESC	CDF_CHAR	SP12VMon, Volt of regulator	(12 V)
FILLVAL	CDF_FLOAT	-1e37	
DISPLAY_TYPE	CDF_CHAR	time_series	
FORMAT	CDF_CHAR	F4.1	
DEPEND_0	CDF_CHAR	Epoch	
COLUMNS	CDF_CHAR	46-46	

(Back to chapter 47)

47.4.48 SM12VMon, Volt of regulator

Attribute Name	Data Type	Value	
FIELDNAM	CDF_CHAR	Volt of regulator	(-12 V)
VALIDMIN	CDF_FLOAT	-15	
VALIDMAX	CDF_FLOAT	0	
SCALEMIN	CDF_FLOAT	-15	
SCALEMAX	CDF_FLOAT	0	
SCALETYP	CDF_CHAR	linear	
LABLAXIS	CDF_CHAR	SM12VMon	
UNITS	CDF_CHAR	V	
VAR_TYPE	CDF_CHAR	data	
CATDESC	CDF_CHAR	SM12VMon, Volt of regulator	(-12 V)
FILLVAL	CDF_FLOAT	-1e37	
DISPLAY_TYPE	CDF_CHAR	time_series	
FORMAT	CDF_CHAR	F4.1	
DEPEND_0	CDF_CHAR	Epoch	
COLUMNS	CDF_CHAR	47-47	

(Back to chapter 47)

47.4.49 SP5VMon, Volt of regulator

Attribute Name	Data Type	Value	
FIELDNAM	CDF_CHAR	Volt of regulator	(5V)
VALIDMIN	CDF_FLOAT	0	
VALIDMAX	CDF_FLOAT	6	
SCALEMIN	CDF_FLOAT	0	
SCALEMAX	CDF_FLOAT	6	
SCALETYP	CDF_CHAR	linear	
LABLAXIS	CDF_CHAR	SP5VMon	
UNITS	CDF_CHAR	V	
VAR_TYPE	CDF_CHAR	data	
CATDESC	CDF_CHAR	SP5VMon, Volt of regulator	(5V)
FILLVAL	CDF_FLOAT	-1e37	
DISPLAY_TYPE	CDF_CHAR	time_series	
FORMAT	CDF_CHAR	F4.1	
DEPEND_0	CDF_CHAR	Epoch	
COLUMNS	CDF_CHAR	48-48	

(Back to chapter 47)

47.4.50 SM5VMon, Volt of regulator

Attribute Name	Data Type	Value	
FIELDNAM	CDF_CHAR	Volt of regulator	(-5V)
VALIDMIN	CDF_FLOAT	-6	
VALIDMAX	CDF_FLOAT	0	
SCALEMIN	CDF_FLOAT	-6	
SCALEMAX	CDF_FLOAT	0	
SCALETYP	CDF_CHAR	linear	
LABLAXIS	CDF_CHAR	SM5VMon	
UNITS	CDF_CHAR	V	
VAR_TYPE	CDF_CHAR	data	
CATDESC	CDF_CHAR	SM5VMon, Volt of regulator	(-5V)
FILLVAL	CDF_FLOAT	-1e37	
DISPLAY_TYPE	CDF_CHAR	time_series	
FORMAT	CDF_CHAR	F4.1	
DEPEND_0	CDF_CHAR	Epoch	
COLUMNS	CDF_CHAR	49-49	

(Back to chapter 47)

47.4.51 SEuvP12V, Volt of Euv monitor (12V)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Volt of Euv monitor (12V)
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	15
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	15
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SEuvP12V
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SEuvP12V, Volt of Euv monitor (12V)
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	50-50

(Back to chapter 47)

47.4.52 SEuvM12V, Volt of Euv monitor (-12V)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Volt of Euv monitor (-12V)
VALIDMIN	CDF_FLOAT	-15
VALIDMAX	CDF_FLOAT	0
SCALEMIN	CDF_FLOAT	-15
SCALEMAX	CDF_FLOAT	0
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SEuvM12V
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SEuvM12V, Volt of Euv monitor (-12V)
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	51-51

(Back to chapter 47)

47.4.53 SLVConvC, current of low volt converter

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	current of low volt converter
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	400
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	400
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SLVConvC
UNITS	CDF_CHAR	ma
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SLVConvC, current of low volt converter
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	52-52

(Back to chapter 47)

47.4.54 SSWEEP2C, current of sweep 2 maximum

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	current of sweep 2 maximum
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	20
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	20
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SSWEEP2C
UNITS	CDF_CHAR	ma
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SSWEEP2C, current of sweep 2 maximum
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	53-53

(Back to chapter 47)

47.4.55 2SSWEEP2, current of sweep 2 maximum

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	current of sweep 2 maximum
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	20
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	20
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	2SSWEEP2
UNITS	CDF_CHAR	ma
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	2SSWEEP2, current of sweep 2 maximum
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	54-54

(Back to chapter 47)

47.4.56 3SSWEEP1, current of sweep 1 maximum

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	current of sweep 1 maximum
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	20
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	20
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	3SSWEEP1
UNITS	CDF_CHAR	ma
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	3SSWEEP1, current of sweep 1 maximum
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	55-55

(Back to chapter 47)

47.4.57 4SSWEEP1, current of sweep 1 minimum

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	current of sweep 1 minimum
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	20
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	20
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	4SSWEEP1
UNITS	CDF_CHAR	ma
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	4SSWEEP1, current of sweep 1 minimum
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	56-56

(Back to chapter 47)

47.4.58 SPresStr, Logic rate for strob 1

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Logic rate for strob 1
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SPresStr
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SPresStr, Logic rate for strob 1
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	57-57

(Back to chapter 47)

47.4.59 SRejPRES, STOF preselection rejection rate

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	STOF preselection rejection rate
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SRejPRES
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SRejPRES, STOF preselection rejection rate
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	58-58

(Back to chapter 47)

47.4.60 SRejFINS, STOF final rejection rate

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	STOF final rejection rate
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SRejFINS
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SRejFINS, STOF final rejection rate
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	59-59

(Back to chapter 47)

47.4.61 SLoRes, low time resolution basic rate

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	low time resolution basic rate
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SLoRes
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SLoRes, low time resolution basic rate
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	60-60

(Back to chapter 47)

47.4.62 0SSWEEPS, Sweep step number

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Sweep step number
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	500
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	500
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	0SSWEEPS
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	0SSWEEPS, Sweep step number
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	61-61

(Back to chapter 47)

47.4.63 SSWEEPSe, Sweep step number

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Sweep step number
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	500
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	500
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SSWEEPSe
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SSWEEPSe, Sweep step number
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	62-62

(Back to chapter 47)

47.4.64 2SSWEEPS, Sweep step number

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Sweep step number
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	500
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	500
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	2SSWEEPS
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	2SSWEEPS, Sweep step number
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	63-63

(Back to chapter 47)

47.4.65 3SSWEEPS, Sweep step number

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Sweep step number
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	500
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	500
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	3SSWEEPS
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	3SSWEEPS, Sweep step number
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	64-64

(Back to chapter 47)

47.4.66 0SSWEEP2, Sweep step Voltage

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Sweep step Voltage
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	10000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	10000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	0SSWEEP2
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	0SSWEEP2, Sweep step Voltage
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	65-65

(Back to chapter 47)

47.4.67 1SSWEEP2, Sweep step Voltage

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Sweep step Voltage
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	10000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	10000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	1SSWEEP2
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	1SSWEEP2, Sweep step Voltage
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	66-66

(Back to chapter 47)

47.4.68 22SSWEEP, Sweep step Voltage

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Sweep step Voltage
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	10000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	10000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	22SSWEEP
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	22SSWEEP, Sweep step Voltage
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	67-67

(Back to chapter 47)

47.4.69 33SSWEEP, Sweep step Voltage

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Sweep step Voltage
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	10000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	10000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	33SSWEEP
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	33SSWEEP, Sweep step Voltage
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	68-68

(Back to chapter 47)

47.4.70 00SSWEEP, Sweep step Voltage

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Sweep step Voltage
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	10000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	10000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	00SSWEEP
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	00SSWEEP, Sweep step Voltage
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	69-69

(Back to chapter 47)

47.4.71 11SSWEEP, Sweep step Voltage

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Sweep step Voltage
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	10000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	10000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	11SSWEEP
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	11SSWEEP, Sweep step Voltage
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	70-70

(Back to chapter 47)

47.4.72 222SSWEE, Sweep step Voltage

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Sweep step Voltage
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	10000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	10000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	222SSWEE
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	222SSWEE, Sweep step Voltage
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	71-71

(Back to chapter 47)

47.4.73 333SSWEE, Sweep step Voltage

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Sweep step Voltage
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	10000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	10000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	333SSWEE
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	333SSWEE, Sweep step Voltage
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	72-72

(Back to chapter 47)

47.4.74 0000SSWE, Sweep step Voltage

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Sweep step Voltage
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	10000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	10000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	0000SSWE
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	0000SSWE, Sweep step Voltage
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	73-73

(Back to chapter 47)

47.4.75 1111SSWE, Sweep step Voltage

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Sweep step Voltage
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	10000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	10000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	1111SSWE
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	1111SSWE, Sweep step Voltage
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	74-74

(Back to chapter 47)

47.4.76 2222SSWE, Sweep step Voltage

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Sweep step Voltage
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	10000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	10000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	2222SSWE
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	2222SSWE, Sweep step Voltage
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	75-75

(Back to chapter 47)

47.4.77 3333SSWE, Sweep step Voltage

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Sweep step Voltage
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	10000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	10000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	3333SSWE
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	3333SSWE, Sweep step Voltage
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	76-76

(Back to chapter 47)

47.4.78 00000SSW, Sweep step Voltage

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Sweep step Voltage
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	10000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	10000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	00000SSW
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	00000SSW, Sweep step Voltage
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	77-77

(Back to chapter 47)

47.4.79 11111SSW, Sweep step Voltage

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Sweep step Voltage
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	10000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	10000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	11111SSW
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	11111SSW, Sweep step Voltage
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	78-78

(Back to chapter 47)

47.4.80 22222SSW, Sweep step Voltage

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Sweep step Voltage
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	10000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	10000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	22222SSW
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	22222SSW, Sweep step Voltage
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	79-79

(Back to chapter 47)

47.4.81 33333SSW, Sweep step Voltage

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Sweep step Voltage
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	10000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	10000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	33333SSW
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	33333SSW, Sweep step Voltage
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	80-80

(Back to chapter 47)

47.4.82 HAnallHV, HSTOF High voltage

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	HSTOF High voltage
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	10000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	10000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	HAnallHV
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	HAnallHV, HSTOF High voltage
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	81-81

(Back to chapter 47)

47.4.83 1HAnallH, HSTOF High voltage

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	HSTOF High voltage
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	10000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	10000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	1HAnallH
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	1HAnallH, HSTOF High voltage
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	82-82

(Back to chapter 47)

47.4.84 2HAnallH, HSTOF High voltage

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	HSTOF High voltage
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	10000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	10000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	2HAnallH
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	2HAnallH, HSTOF High voltage
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	83-83

(Back to chapter 47)

47.4.85 3HAnallH, HSTOF High voltage

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	HSTOF High voltage
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	10000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	10000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	3HAnallH
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	3HAnallH, HSTOF High voltage
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	84-84

(Back to chapter 47)

47.5 zVariables

No zVariables (Back to chapter 47)

47.6 end

!# server>	client terminated data transfer at 20000204.143638
!# server>	eof cw-2000-034.005.skt

(Back to chapter 47)

Chapter 48

STOF HK LA V03

Contents

48.1 header 807
48.2 GLOBALattributes 808
48.3 VARIABLEattributes 809
48.4 variables 811
48.4.1 Epoch, Time TAI 812
48.4.2 EdbCnt, Totel edb since instr turn on 812
48.4.3 HdbCnt, Totel edb since instr turn on with data 813
48.4.4 SDacMcp2, High volt start mcp 813
48.4.5 21SDacMc, High volt start mcp 814
48.4.6 22SDacMc, High volt start mcp 814
48.4.7 23SDacMc, High volt start mcp 815
48.4.8 10SDacMc, High volt start mcp 815
48.4.9 11SDacMc, High volt start mcp 816
48.4.10 12SDacMc, High volt start mcp 816
48.4.11 13SDacMc, High volt start mcp 817
48.4.12 SSDbMon0, Solid Stat detector bias voltage 817
48.4.13 SSDbMon1, Solid Stat detector bias voltage 818
48.4.14 SSDbMon2, Solid Stat detector bias voltage 818
48.4.15 SSDbMon3, Solid Stat detector bias voltage 819
48.4.16 SSDgrid0, Solid Stat detector Gridvoltage 819
48.4.17 SSDgrid1, Solid Stat detector Grid voltage 820
48.4.18 SSDgrid2, Solid Stat detector Grid voltage 820
48.4.19 SSDgrid3, Solid Stat detector Grid voltage 821
48.4.20 SStatus0, Binary 8 bit 821
48.4.21 01SStatu, Binary 8 bit 822
48.4.22 02SStatu, Binary 8 bit 822
48.4.23 03SStatu, Binary 8 bit 823
48.4.24 10SStatu, Binary 8 bit 823
48.4.25 11SStatu, Binary 8 bit 824
48.4.26 12SStatu, Binary 8 bit 824
48.4.27 13SStatu, Binary 8 bit 825
48.4.28 SDeflPlT, Temperature of deflection housing 825
48.4.29 SBasePlT, Temperature of base plate 826
48.4.30 SAnEntrH, Temperature of entrance housing 826
48.4.31 SSwHVCon, Temperature of High volt converter 827

48.4.32 SSunShTE, Temperature of sun shade 827
48.4.33 SHouTofT, Temperature of housing time of flight 828
48.4.34 SHouSsdT, Temperature of 828
48.4.35 SIntSsdT, Temperature of 829
48.4.36 SRpBoxTE, Temperature of 829
48.4.37 SLvBoxTE, Temperature of 830
48.4.38 SEuvTemp, Temperature of SEM Euv detector 830
48.4.39 HAnalHVC, Current of High Voltage 831
48.4.40 SRegSWEE, Volt of Regulator 2 831
48.4.41 2SRegSWE, Volt of Regulator 2 832
48.4.42 3SRegSWE, Volt of Regulator 1 832
48.4.43 4SRegSWE, Volt of Regulator 1 833
48.4.44 HRegHV, Volt of Regulator for HSTOF 833
48.4.45 SCtrlMcp, Volt of MCP control start 834
48.4.46 1SCtrlMc, Volt of MCP control stop 834
48.4.47 SP12VMon, Volt of regulator 835
48.4.48 SM12VMon, Volt of regulator 835
48.4.49 SP5VMon, Volt of regulator 836
48.4.50 SM5VMon, Volt of regulator 836
48.4.51 SEuvP12V, Volt of Euv monitor (12V) 837
48.4.52 SEuvM12V, Volt of Euv monitor (-12V) 837
48.4.53 SLVConvC, current of low volt converter 838
48.4.54 SSWEEP2C, current of sweep 2 maximum 838
48.4.55 2SSWEEP2, current of sweep 2 maximum 839
48.4.56 3SSWEEP1, current of sweep 1 maximum 839
48.4.57 4SSWEEP1, current of sweep 1 minimum 840
48.4.58 SPresStr, Logic rate for strob 1 840
48.4.59 SRejPRES, STOF preselection rejection rate 841
48.4.60 SRejFINS, STOF final rejection rate 841
48.4.61 SLoRes, low time resolution basic rate 842
48.4.62 0SSWEEPS, Sweep step number 842
48.4.63 SSWEEPSe, Sweep step number 843
48.4.64 2SSWEEPS, Sweep step number 843
48.4.65 3SSWEEPS, Sweep step number 844
48.4.66 0SSWEEP2, Sweep step Voltage 844
48.4.67 1SSWEEP2, Sweep step Voltage 845
48.4.68 22SSWEEP, Sweep step Voltage 845
48.4.69 33SSWEEP, Sweep step Voltage 846
48.4.70 00SSWEEP, Sweep step Voltage 846
48.4.71 11SSWEEP, Sweep step Voltage 847
48.4.72 222SSWEE, Sweep step Voltage 847
48.4.73 333SSWEE, Sweep step Voltage 848
48.4.74 0000SSWE, Sweep step Voltage 848
48.4.75 1111SSWE, Sweep step Voltage 849
48.4.76 2222SSWE, Sweep step Voltage 849
48.4.77 3333SSWE, Sweep step Voltage 850
48.4.78 00000SSW, Sweep step Voltage 850
48.4.79 11111SSW, Sweep step Voltage 851
48.4.80 22222SSW, Sweep step Voltage 851
48.4.81 33333SSW, Sweep step Voltage 852

48.4.82 HAnallHV, HSTOF High voltage 852

48.4.83 1HAnallH, HSTOF High voltage 853

48.4.84 2HAnallH, HSTOF High voltage 853

48.4.85 3HAnallH, HSTOF High voltage 854

48.5 zVariables 854

48.6 end 854

48.1 header

CDF NAME:	SO_CEL_STOF_HK_LA_V02				
DATA ENCODING:	NETWORK				
MAJORITY:	COLUMN				
FORMAT:	SINGLE				
Variables	G.Attributes	V.Attributes	Records	Dims	Sizes
85/0	21	17	0/z	0	

(Back to chapter 48)

48.2 GLOBALattributes

TITLE	1:	CDF_CHAR	STOF housekeeping data
Project	1:	CDF_CHAR	ISTP>International Solar-Terrestrial Physics
Discipline	1:	CDF_CHAR	Solar Physics>Solar Wind
Source_name	1:	CDF_CHAR	SO>Solar Heliospheric Observatory (SOHO)
Descriptor	1:	CDF_CHAR	CEL>Charge, Element and Isotope Analysis System (C
	2:	CDF_CHAR	ELIAS)
Detector	1:	CDF_CHAR	STOF>Suprathermal Time Of Flight
Series_name	1:	CDF_CHAR	HK>Housekeeping
Data_type	1:	CDF_CHAR	LA>Level ASCII
Logical_source	1:	CDF_CHAR	SO_CEL_STOF_HK_LA
TEXT	1:	CDF_CHAR	A description of the CELIAS instrument and
	2:	CDF_CHAR	scientific scope can be found on WWW
	3:	CDF_CHAR	at https://www.ieap.uni-kiel.de/et/soho/celias/
	4:	CDF_CHAR	or on the SOHO homepage at
	5:	CDF_CHAR	http://sohowww.nascom.nasa.gov/.
	6:	CDF_CHAR	A written description of CELIAS
	7:	CDF_CHAR	will appear in the special issue of
	8:	CDF_CHAR	Solar Physics dedicated to SOHO.
Data_version	1:	CDF_CHAR	01
MODS	1:	CDF_CHAR	<cwrap!actual_date>
skeleton_version	1:	CDF_CHAR	01
software_version	1:	CDF_CHAR	<cwrap!cwrap_version>
ADID_ref	1:	CDF_CHAR	NSSD0195
PI_name	1:	CDF_CHAR	Robert F. Wimmer-Schweingruber
PI_affiliation	1:	CDF_CHAR	Institut fuer Experimentelle und Angewandte Physik,
	2:	CDF_CHAR	Christian Albrechts Universitaet Kiel,
	3:	CDF_CHAR	Leibnizstr 11,
	4:	CDF_CHAR	24118 Kiel, Germany
Mission_group	1:	CDF_CHAR	SOHO
Instrument_type	1:	CDF_CHAR	Particles (space)
TEXT_supplement	1:	CDF_CHAR	Housekeeping data
TEXT_FOR_UOB	1:	CDF_CHAR	Hilchenbach and weygand

(Back to chapter 48)

48.3 VARIABLEattributes

FIELDNAM	
VALIDMIN	
VALIDMAX	
SCALETYP	
SCALEMIN	
SCALEMAX	
UNITS	
LABLAXIS	
FORMAT	
DEPEND_0	
!	DEPEND_1
!	DEPEND_2
!	DEPEND_3
!	DEPEND_4
!	DEPEND_5
MONOTON	
VAR_TYPE	
FILLVAL	
DISPLAY_TYPE	
CATDESC	
COLUMNS	
TIME_FORMAT	

(Back to chapter 48)

48.4 variables

Variable Name	Data Type	Number Elements	Record Variance	Dimension Variances
Epoch	CDF_EPOCH	1	T	
EdbCnt	CDF_INT4	1	T	
HdbCnt	CDF_INT4	1	T	
SDacMcp2_0	CDF_INT2	1	T	
21SDacMcp2_1	CDF_INT2	1	T	
22SDacMcp2_2	CDF_INT2	1	T	
23SDacMcp2_3	CDF_INT2	1	T	
10SDacMcp1_0	CDF_INT2	1	T	
11SDacMcp1_1	CDF_INT2	1	T	
12SDacMcp1_2	CDF_INT2	1	T	
13SDacMcp1_3	CDF_INT2	1	T	
SSDbMon0	CDF_FLOAT	1	T	
SSDbMon1	CDF_FLOAT	1	T	
SSDbMon2	CDF_FLOAT	1	T	
SSDbMon3	CDF_FLOAT	1	T	
SSDgrid0	CDF_FLOAT	1	T	
SSDgrid1	CDF_FLOAT	1	T	
SSDgrid2	CDF_FLOAT	1	T	
SSDgrid3	CDF_FLOAT	1	T	
SStatus0_0	CDF_INT4	1	T	
01SStatus0_1	CDF_INT4	1	T	
02SStatus0_2	CDF_INT4	1	T	
03SStatus0_3	CDF_INT4	1	T	
10SStatus1_0	CDF_INT4	1	T	
11SStatus1_1	CDF_INT4	1	T	
12SStatus1_2	CDF_INT4	1	T	
13SStatus1_3	CDF_INT4	1	T	
SDeflPlTEMP	CDF_FLOAT	1	T	
SBasePlTEMP	CDF_FLOAT	1	T	
SAnEntrHTEMP	CDF_FLOAT	1	T	
SSwHVConvTEMP	CDF_FLOAT	1	T	
SSunShTEMP	CDF_FLOAT	1	T	
SHouTofTEMP	CDF_FLOAT	1	T	
SHouSsdTEMP	CDF_FLOAT	1	T	
SIntSsdTEMP	CDF_FLOAT	1	T	
SRpBoxTEMP	CDF_FLOAT	1	T	
SLvBoxTEMP	CDF_FLOAT	1	T	
SEuvTemp	CDF_FLOAT	1	T	
HAnalHVCur	CDF_FLOAT	1	T	
SRegSWEEP2Max	CDF_FLOAT	1	T	
2SRegSWEEP2Min	CDF_FLOAT	1	T	
3SRegSWEEP1Max	CDF_FLOAT	1	T	
4SRegSWEEP1Min	CDF_FLOAT	1	T	
HRegHV	CDF_FLOAT	1	T	
SCtrlMcp2	CDF_FLOAT	1	T	
1SCtrlMcp1	CDF_FLOAT	1	T	
SP12VMon	CDF_FLOAT	1	T	
SM12VMon	CDF_FLOAT	1	T	
SP5VMon	CDF_FLOAT	1	T	
SM5VMon	CDF_FLOAT	1	T	
SEuvP12VMon	CDF_FLOAT	1	T	
SEuvM12VMon	CDF_FLOAT	1	T	
SLVConvCur	CDF_FLOAT	1	T	

48.4.1 Epoch, Time TAI

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Time TAI
VALIDMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
VALIDMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALEMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
SCALEMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Epoch
UNITS	CDF_CHAR	ms
VAR_TYPE	CDF_CHAR	support_data
CATDESC	CDF_CHAR	Epoch, Time TAI
FILLVAL	CDF_EPOCH	31-Dec-9999 23:59:59.999
DISPLAY_TYPE	CDF_CHAR	time_series
MONOTON	CDF_CHAR	INCREASE
TIME_FORMAT	CDF_CHAR	sec70base
COLUMNS	CDF_CHAR	0-0

(Back to chapter 48)

48.4.2 EdbCnt, Totel edb since instr turn on

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Totel edb since instr turn on
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	2000000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	2000000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	EdbCnt
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	EdbCnt, Totel edb since instr turn on
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	1-1

(Back to chapter 48)

48.4.3 HdbCnt, Totel edb since instr turn on with data

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Totel edb since instr turn on with data
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	2000000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	2000000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	HdbCnt
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	HdbCnt, Totel edb since instr turn on with data
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	2-2

(Back to chapter 48)

48.4.4 SDacMcp2, High volt start mcp

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	High volt start mcp
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	5000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	5000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SDacMcp2
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SDacMcp2, High volt start mcp
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	3-3

(Back to chapter 48)

48.4.5 21SDacMc, High volt start mcp

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	High volt start mcp
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	5000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	5000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	21SDacMc
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	21SDacMc, High volt start mcp
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	4-4

(Back to chapter 48)

48.4.6 22SDacMc, High volt start mcp

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	High volt start mcp
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	5000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	5000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	22SDacMc
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	22SDacMc, High volt start mcp
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	5-5

(Back to chapter 48)

48.4.7 23SDacMc, High volt start mcp

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	High volt start mcp
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	5000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	5000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	23SDacMc
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	23SDacMc, High volt start mcp
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	6-6

(Back to chapter 48)

48.4.8 10SDacMc, High volt start mcp

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	High volt start mcp
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	5000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	5000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	10SDacMc
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	10SDacMc, High volt start mcp
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	7-7

(Back to chapter 48)

48.4.9 11SDacMc, High volt start mcp

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	High volt start mcp
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	5000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	5000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	11SDacMc
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	11SDacMc, High volt start mcp
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	8-8

(Back to chapter 48)

48.4.10 12SDacMc, High volt start mcp

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	High volt start mcp
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	5000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	5000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	12SDacMc
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	12SDacMc, High volt start mcp
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	9-9

(Back to chapter 48)

48.4.11 13SDacMc, High volt start mcp

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	High volt start mcp
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	5000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	5000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	13SDacMc
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	13SDacMc, High volt start mcp
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	10-10

(Back to chapter 48)

48.4.12 SSDbMon0, Solid Stat detector bias voltage

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Solid Stat detector bias voltage
VALIDMIN	CDF_FLOAT	-250
VALIDMAX	CDF_FLOAT	-2
SCALEMIN	CDF_FLOAT	-250
SCALEMAX	CDF_FLOAT	-2
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SSDbMon0
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SSDbMon0, Solid Stat detector bias voltage
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F3.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	11-11

(Back to chapter 48)

48.4.13 SSDbMon1, Solid Stat detector bias voltage

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Solid Stat detector bias voltage
VALIDMIN	CDF_FLOAT	-250
VALIDMAX	CDF_FLOAT	-2
SCALEMIN	CDF_FLOAT	-250
SCALEMAX	CDF_FLOAT	-2
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SSDbMon1
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SSDbMon1, Solid Stat detector bias voltage
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F3.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	12-12

(Back to chapter 48)

48.4.14 SSDbMon2, Solid Stat detector bias voltage

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Solid Stat detector bias voltage
VALIDMIN	CDF_FLOAT	-250
VALIDMAX	CDF_FLOAT	-2
SCALEMIN	CDF_FLOAT	-250
SCALEMAX	CDF_FLOAT	-2
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SSDbMon2
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SSDbMon2, Solid Stat detector bias voltage
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F3.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	13-13

(Back to chapter 48)

48.4.15 SSDbMon3, Solid Stat detector bias voltage

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Solid Stat detector bias voltage
VALIDMIN	CDF_FLOAT	-250
VALIDMAX	CDF_FLOAT	-2
SCALEMIN	CDF_FLOAT	-250
SCALEMAX	CDF_FLOAT	-2
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SSDbMon3
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SSDbMon3, Solid Stat detector bias voltage
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F3.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	14-14

(Back to chapter 48)

48.4.16 SSDgrid0, Solid Stat detector Gridvoltage

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Solid Stat detector Gridvoltage
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	10
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	10
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SSDgrid0
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SSDgrid0, Solid Stat detector Gridvoltage
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F2.3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	15-15

(Back to chapter 48)

48.4.17 SSDgrid1, Solid Stat detector Grid voltage

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Solid Stat detector Grid voltage
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	10
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	10
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SSDgrid1
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SSDgrid1, Solid Stat detector Grid voltage
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F2.3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	16-16

(Back to chapter 48)

48.4.18 SSDgrid2, Solid Stat detector Grid voltage

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Solid Stat detector Grid voltage
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	10
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	10
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SSDgrid2
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SSDgrid2, Solid Stat detector Grid voltage
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F2.3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	17-17

(Back to chapter 48)

48.4.19 SSDgrid3, Solid Stat detector Grid voltage

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Solid Stat detector Grid voltage
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	10
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	10
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SSDgrid3
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SSDgrid3, Solid Stat detector Grid voltage
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F2.3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	18-18

(Back to chapter 48)

48.4.20 SStatus0, Binary 8 bit

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Binary 8 bit
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	2000000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	2000000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SStatus0
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SStatus0, Binary 8 bit
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	19-19

(Back to chapter 48)

48.4.21 01SStatu, Binary 8 bit

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Binary 8 bit
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	2000000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	2000000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	01SStatu
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	01SStatu, Binary 8 bit
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	20-20

(Back to chapter 48)

48.4.22 02SStatu, Binary 8 bit

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Binary 8 bit
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	2000000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	2000000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	02SStatu
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	02SStatu, Binary 8 bit
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	21-21

(Back to chapter 48)

48.4.23 03SStatu, Binary 8 bit

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Binary 8 bit
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	2000000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	2000000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	03SStatu
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	03SStatu, Binary 8 bit
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	22-22

(Back to chapter 48)

48.4.24 10SStatu, Binary 8 bit

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Binary 8 bit
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	2000000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	2000000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	10SStatu
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	10SStatu, Binary 8 bit
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	23-23

(Back to chapter 48)

48.4.25 11SStatu, Binary 8 bit

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Binary 8 bit
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	2000000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	2000000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	11SStatu
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	11SStatu, Binary 8 bit
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	24-24

(Back to chapter 48)

48.4.26 12SStatu, Binary 8 bit

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Binary 8 bit
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	2000000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	2000000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	12SStatu
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	12SStatu, Binary 8 bit
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	25-25

(Back to chapter 48)

48.4.27 13SStatu, Binary 8 bit

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Binary 8 bit
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	2000000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	2000000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	13SStatu
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	13SStatu, Binary 8 bit
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	26-26

(Back to chapter 48)

48.4.28 SDeflPlT, Temperature of deflection housing

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Temperature of deflection housing
VALIDMIN	CDF_FLOAT	-100
VALIDMAX	CDF_FLOAT	200
SCALEMIN	CDF_FLOAT	-100
SCALEMAX	CDF_FLOAT	200
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SDeflPlT
UNITS	CDF_CHAR	Deg C
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SDeflPlT, Temperature of deflection housing
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	27-27

(Back to chapter 48)

48.4.29 SBasePlT, Temperature of base plate

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Temperature of base plate
VALIDMIN	CDF_FLOAT	-100
VALIDMAX	CDF_FLOAT	200
SCALEMIN	CDF_FLOAT	-100
SCALEMAX	CDF_FLOAT	200
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SBasePlT
UNITS	CDF_CHAR	Deg C
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SBasePlT, Temperature of base plate
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	28-28

(Back to chapter 48)

48.4.30 SAnEntrH, Temperature of entrance housing

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Temperature of entrance housing
VALIDMIN	CDF_FLOAT	-100
VALIDMAX	CDF_FLOAT	200
SCALEMIN	CDF_FLOAT	-100
SCALEMAX	CDF_FLOAT	200
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SAnEntrH
UNITS	CDF_CHAR	Deg C
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SAnEntrH, Temperature of entrance housing
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	29-29

(Back to chapter 48)

48.4.31 SSwHVCon, Temperature of High volt converter

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Temperature of High volt converter
VALIDMIN	CDF_FLOAT	-100
VALIDMAX	CDF_FLOAT	200
SCALEMIN	CDF_FLOAT	-100
SCALEMAX	CDF_FLOAT	200
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SSwHVCon
UNITS	CDF_CHAR	Deg C
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SSwHVCon, Temperature of High volt converter
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	30-30

(Back to chapter 48)

48.4.32 SSunShTE, Temperature of sun shade

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Temperature of sun shade
VALIDMIN	CDF_FLOAT	-100
VALIDMAX	CDF_FLOAT	200
SCALEMIN	CDF_FLOAT	-100
SCALEMAX	CDF_FLOAT	200
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SSunShTE
UNITS	CDF_CHAR	Deg C
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SSunShTE, Temperature of sun shade
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	31-31

(Back to chapter 48)

48.4.33 SHouTofT, Temperature of housing time of flight

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Temperature of housing time of flight
VALIDMIN	CDF_FLOAT	-100
VALIDMAX	CDF_FLOAT	200
SCALEMIN	CDF_FLOAT	-100
SCALEMAX	CDF_FLOAT	200
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SHouTofT
UNITS	CDF_CHAR	Deg C
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SHouTofT, Temperature of housing time of flight
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	32-32

(Back to chapter 48)

48.4.34 SHouSsdT, Temperature of

Attribute Name	Data Type	Value	
FIELDNAM	CDF_CHAR	Temperature of	housing solid state detect
VALIDMIN	CDF_FLOAT	-100	
VALIDMAX	CDF_FLOAT	200	
SCALEMIN	CDF_FLOAT	-100	
SCALEMAX	CDF_FLOAT	200	
SCALETYP	CDF_CHAR	linear	
LABLAXIS	CDF_CHAR	SHouSsdT	
UNITS	CDF_CHAR	Deg C	
VAR_TYPE	CDF_CHAR	data	
CATDESC	CDF_CHAR	SHouSsdT, Temperature of	housing solid state detect
FILLVAL	CDF_FLOAT	-1e37	
DISPLAY_TYPE	CDF_CHAR	time_series	
FORMAT	CDF_CHAR	F4.1	
DEPEND_0	CDF_CHAR	Epoch	
COLUMNS	CDF_CHAR	33-33	

(Back to chapter 48)

48.4.35 SIntSsdT, Temperature of

Attribute Name	Data Type	Value	
FIELDNAM	CDF_CHAR	Temperature of	internal solid state detector
VALIDMIN	CDF_FLOAT	-100	
VALIDMAX	CDF_FLOAT	200	
SCALEMIN	CDF_FLOAT	-100	
SCALEMAX	CDF_FLOAT	200	
SCALETYP	CDF_CHAR	linear	
LABLAXIS	CDF_CHAR	SIntSsdT	
UNITS	CDF_CHAR	Deg C	
VAR_TYPE	CDF_CHAR	data	
CATDESC	CDF_CHAR	SIntSsdT, Temperature of	internal solid state detector
FILLVAL	CDF_FLOAT	-1e37	
DISPLAY_TYPE	CDF_CHAR	time_series	
FORMAT	CDF_CHAR	F4.1	
DEPEND_0	CDF_CHAR	Epoch	
COLUMNS	CDF_CHAR	34-34	

(Back to chapter 48)

48.4.36 SRpBoxTE, Temperature of

Attribute Name	Data Type	Value	
FIELDNAM	CDF_CHAR	Temperature of	E box
VALIDMIN	CDF_FLOAT	-100	
VALIDMAX	CDF_FLOAT	200	
SCALEMIN	CDF_FLOAT	-100	
SCALEMAX	CDF_FLOAT	200	
SCALETYP	CDF_CHAR	linear	
LABLAXIS	CDF_CHAR	SRpBoxTE	
UNITS	CDF_CHAR	Deg C	
VAR_TYPE	CDF_CHAR	data	
CATDESC	CDF_CHAR	SRpBoxTE, Temperature of	E box
FILLVAL	CDF_FLOAT	-1e37	
DISPLAY_TYPE	CDF_CHAR	time_series	
FORMAT	CDF_CHAR	F4.1	
DEPEND_0	CDF_CHAR	Epoch	
COLUMNS	CDF_CHAR	35-35	

(Back to chapter 48)

48.4.37 SLvBoxTE, Temperature of

Attribute Name	Data Type	Value	
FIELDNAM	CDF_CHAR	Temperature of	Low volt conv e box
VALIDMIN	CDF_FLOAT	-100	
VALIDMAX	CDF_FLOAT	200	
SCALEMIN	CDF_FLOAT	-100	
SCALEMAX	CDF_FLOAT	200	
SCALETYP	CDF_CHAR	linear	
LABLAXIS	CDF_CHAR	SLvBoxTE	
UNITS	CDF_CHAR	Deg C	
VAR_TYPE	CDF_CHAR	data	
CATDESC	CDF_CHAR	SLvBoxTE, Temperature of	Low volt conv e box
FILLVAL	CDF_FLOAT	-1e37	
DISPLAY_TYPE	CDF_CHAR	time_series	
FORMAT	CDF_CHAR	F4.1	
DEPEND_0	CDF_CHAR	Epoch	
COLUMNS	CDF_CHAR	36-36	

(Back to chapter 48)

48.4.38 SEuvTemp, Temperature of SEM Euv detector

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Temperature of SEM Euv detector
VALIDMIN	CDF_FLOAT	-100
VALIDMAX	CDF_FLOAT	200
SCALEMIN	CDF_FLOAT	-100
SCALEMAX	CDF_FLOAT	200
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SEuvTemp
UNITS	CDF_CHAR	Deg C
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SEuvTemp, Temperature of SEM Euv detector
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	37-37

(Back to chapter 48)

48.4.39 HAnalHVC, Current of High Voltage

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Current of High Voltage
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	100
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	100
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	HAnalHVC
UNITS	CDF_CHAR	mA
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	HAnalHVC, Current of High Voltage
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	38-38

(Back to chapter 48)

48.4.40 SRegSWEE, Volt of Regulator 2

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Volt of Regulator 2
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	10
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	10
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SRegSWEE
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SRegSWEE, Volt of Regulator 2
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	39-39

(Back to chapter 48)

48.4.41 2SRegSWE, Volt of Regulator 2

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Volt of Regulator 2
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	10
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	10
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	2SRegSWE
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	2SRegSWE, Volt of Regulator 2
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	40-40

(Back to chapter 48)

48.4.42 3SRegSWE, Volt of Regulator 1

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Volt of Regulator 1
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	10
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	10
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	3SRegSWE
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	3SRegSWE, Volt of Regulator 1
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	41-41

(Back to chapter 48)

48.4.43 4SRegSWE, Volt of Regulator 1

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Volt of Regulator 1
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	10
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	10
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	4SRegSWE
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	4SRegSWE, Volt of Regulator 1
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	42-42

(Back to chapter 48)

48.4.44 HRegHV, Volt of Regulator for HSTOF

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Volt of Regulator for HSTOF
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	10
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	10
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	HRegHV
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	HRegHV, Volt of Regulator for HSTOF
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	43-43

(Back to chapter 48)

48.4.45 SCtrlMcp, Volt of MCP control start

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Volt of MCP control start
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	10
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	10
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SCtrlMcp
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SCtrlMcp, Volt of MCP control start
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	44-44

(Back to chapter 48)

48.4.46 1SCtrlMc, Volt of MCP control stop

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Volt of MCP control stop
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	10
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	10
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	1SCtrlMc
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	1SCtrlMc, Volt of MCP control stop
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	45-45

(Back to chapter 48)

48.4.47 SP12VMon, Volt of regulator

Attribute Name	Data Type	Value	
FIELDNAM	CDF_CHAR	Volt of regulator	(12 V)
VALIDMIN	CDF_FLOAT	0	
VALIDMAX	CDF_FLOAT	15	
SCALEMIN	CDF_FLOAT	0	
SCALEMAX	CDF_FLOAT	15	
SCALETYP	CDF_CHAR	linear	
LABLAXIS	CDF_CHAR	SP12VMon	
UNITS	CDF_CHAR	V	
VAR_TYPE	CDF_CHAR	data	
CATDESC	CDF_CHAR	SP12VMon, Volt of regulator	(12 V)
FILLVAL	CDF_FLOAT	-1e37	
DISPLAY_TYPE	CDF_CHAR	time_series	
FORMAT	CDF_CHAR	F4.1	
DEPEND_0	CDF_CHAR	Epoch	
COLUMNS	CDF_CHAR	46-46	

(Back to chapter 48)

48.4.48 SM12VMon, Volt of regulator

Attribute Name	Data Type	Value	
FIELDNAM	CDF_CHAR	Volt of regulator	(-12 V)
VALIDMIN	CDF_FLOAT	-15	
VALIDMAX	CDF_FLOAT	0	
SCALEMIN	CDF_FLOAT	-15	
SCALEMAX	CDF_FLOAT	0	
SCALETYP	CDF_CHAR	linear	
LABLAXIS	CDF_CHAR	SM12VMon	
UNITS	CDF_CHAR	V	
VAR_TYPE	CDF_CHAR	data	
CATDESC	CDF_CHAR	SM12VMon, Volt of regulator	(-12 V)
FILLVAL	CDF_FLOAT	-1e37	
DISPLAY_TYPE	CDF_CHAR	time_series	
FORMAT	CDF_CHAR	F4.1	
DEPEND_0	CDF_CHAR	Epoch	
COLUMNS	CDF_CHAR	47-47	

(Back to chapter 48)

48.4.49 SP5VMon, Volt of regulator

Attribute Name	Data Type	Value	
FIELDNAM	CDF_CHAR	Volt of regulator	(5V)
VALIDMIN	CDF_FLOAT	0	
VALIDMAX	CDF_FLOAT	6	
SCALEMIN	CDF_FLOAT	0	
SCALEMAX	CDF_FLOAT	6	
SCALETYP	CDF_CHAR	linear	
LABLAXIS	CDF_CHAR	SP5VMon	
UNITS	CDF_CHAR	V	
VAR_TYPE	CDF_CHAR	data	
CATDESC	CDF_CHAR	SP5VMon, Volt of regulator	(5V)
FILLVAL	CDF_FLOAT	-1e37	
DISPLAY_TYPE	CDF_CHAR	time_series	
FORMAT	CDF_CHAR	F4.1	
DEPEND_0	CDF_CHAR	Epoch	
COLUMNS	CDF_CHAR	48-48	

(Back to chapter 48)

48.4.50 SM5VMon, Volt of regulator

Attribute Name	Data Type	Value	
FIELDNAM	CDF_CHAR	Volt of regulator	(-5V)
VALIDMIN	CDF_FLOAT	-6	
VALIDMAX	CDF_FLOAT	0	
SCALEMIN	CDF_FLOAT	-6	
SCALEMAX	CDF_FLOAT	0	
SCALETYP	CDF_CHAR	linear	
LABLAXIS	CDF_CHAR	SM5VMon	
UNITS	CDF_CHAR	V	
VAR_TYPE	CDF_CHAR	data	
CATDESC	CDF_CHAR	SM5VMon, Volt of regulator	(-5V)
FILLVAL	CDF_FLOAT	-1e37	
DISPLAY_TYPE	CDF_CHAR	time_series	
FORMAT	CDF_CHAR	F4.1	
DEPEND_0	CDF_CHAR	Epoch	
COLUMNS	CDF_CHAR	49-49	

(Back to chapter 48)

48.4.51 SEuvP12V, Volt of Euv monitor (12V)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Volt of Euv monitor (12V)
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	15
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	15
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SEuvP12V
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SEuvP12V, Volt of Euv monitor (12V)
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	50-50

(Back to chapter 48)

48.4.52 SEuvM12V, Volt of Euv monitor (-12V)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Volt of Euv monitor (-12V)
VALIDMIN	CDF_FLOAT	-15
VALIDMAX	CDF_FLOAT	0
SCALEMIN	CDF_FLOAT	-15
SCALEMAX	CDF_FLOAT	0
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SEuvM12V
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SEuvM12V, Volt of Euv monitor (-12V)
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	51-51

(Back to chapter 48)

48.4.53 SLVConvC, current of low volt converter

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	current of low volt converter
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	400
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	400
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SLVConvC
UNITS	CDF_CHAR	ma
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SLVConvC, current of low volt converter
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	52-52

(Back to chapter 48)

48.4.54 SSWEEP2C, current of sweep 2 maximum

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	current of sweep 2 maximum
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	20
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	20
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SSWEEP2C
UNITS	CDF_CHAR	ma
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SSWEEP2C, current of sweep 2 maximum
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	53-53

(Back to chapter 48)

48.4.55 2SSWEEP2, current of sweep 2 maximum

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	current of sweep 2 maximum
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	20
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	20
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	2SSWEEP2
UNITS	CDF_CHAR	ma
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	2SSWEEP2, current of sweep 2 maximum
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	54-54

(Back to chapter 48)

48.4.56 3SSWEEP1, current of sweep 1 maximum

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	current of sweep 1 maximum
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	20
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	20
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	3SSWEEP1
UNITS	CDF_CHAR	ma
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	3SSWEEP1, current of sweep 1 maximum
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	55-55

(Back to chapter 48)

48.4.57 4SSWEEP1, current of sweep 1 minimum

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	current of sweep 1 minimum
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	20
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	20
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	4SSWEEP1
UNITS	CDF_CHAR	ma
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	4SSWEEP1, current of sweep 1 minimum
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	56-56

(Back to chapter 48)

48.4.58 SPresStr, Logic rate for strob 1

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Logic rate for strob 1
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SPresStr
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SPresStr, Logic rate for strob 1
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	57-57

(Back to chapter 48)

48.4.59 SRejPRES, STOF preselection rejection rate

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	STOF preselection rejection rate
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SRejPRES
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SRejPRES, STOF preselection rejection rate
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	58-58

(Back to chapter 48)

48.4.60 SRejFINS, STOF final rejection rate

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	STOF final rejection rate
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SRejFINS
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SRejFINS, STOF final rejection rate
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	59-59

(Back to chapter 48)

48.4.61 SLoRes, low time resolution basic rate

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	low time resolution basic rate
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SLoRes
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SLoRes, low time resolution basic rate
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	60-60

(Back to chapter 48)

48.4.62 0SSWEEPS, Sweep step number

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Sweep step number
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	500
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	500
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	0SSWEEPS
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	0SSWEEPS, Sweep step number
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	61-61

(Back to chapter 48)

48.4.63 SSWEEPSe, Sweep step number

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Sweep step number
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	500
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	500
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SSWEEPSe
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SSWEEPSe, Sweep step number
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	62-62

(Back to chapter 48)

48.4.64 2SSWEEPS, Sweep step number

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Sweep step number
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	500
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	500
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	2SSWEEPS
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	2SSWEEPS, Sweep step number
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	63-63

(Back to chapter 48)

48.4.65 3SSWEEPS, Sweep step number

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Sweep step number
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	500
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	500
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	3SSWEEPS
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	3SSWEEPS, Sweep step number
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	64-64

(Back to chapter 48)

48.4.66 0SSWEEP2, Sweep step Voltage

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Sweep step Voltage
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	10000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	10000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	0SSWEEP2
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	0SSWEEP2, Sweep step Voltage
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	65-65

(Back to chapter 48)

48.4.67 1SSWEEP2, Sweep step Voltage

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Sweep step Voltage
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	10000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	10000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	1SSWEEP2
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	1SSWEEP2, Sweep step Voltage
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	66-66

(Back to chapter 48)

48.4.68 22SSWEEP, Sweep step Voltage

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Sweep step Voltage
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	10000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	10000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	22SSWEEP
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	22SSWEEP, Sweep step Voltage
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	67-67

(Back to chapter 48)

48.4.69 33SSWEEP, Sweep step Voltage

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Sweep step Voltage
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	10000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	10000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	33SSWEEP
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	33SSWEEP, Sweep step Voltage
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	68-68

(Back to chapter 48)

48.4.70 00SSWEEP, Sweep step Voltage

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Sweep step Voltage
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	10000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	10000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	00SSWEEP
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	00SSWEEP, Sweep step Voltage
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	69-69

(Back to chapter 48)

48.4.71 11SSWEEP, Sweep step Voltage

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Sweep step Voltage
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	10000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	10000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	11SSWEEP
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	11SSWEEP, Sweep step Voltage
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	70-70

(Back to chapter 48)

48.4.72 222SSWEE, Sweep step Voltage

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Sweep step Voltage
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	10000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	10000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	222SSWEE
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	222SSWEE, Sweep step Voltage
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	71-71

(Back to chapter 48)

48.4.73 333SSWEE, Sweep step Voltage

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Sweep step Voltage
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	10000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	10000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	333SSWEE
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	333SSWEE, Sweep step Voltage
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	72-72

(Back to chapter 48)

48.4.74 0000SSWE, Sweep step Voltage

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Sweep step Voltage
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	10000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	10000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	0000SSWE
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	0000SSWE, Sweep step Voltage
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	73-73

(Back to chapter 48)

48.4.75 1111SSWE, Sweep step Voltage

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Sweep step Voltage
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	10000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	10000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	1111SSWE
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	1111SSWE, Sweep step Voltage
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	74-74

(Back to chapter 48)

48.4.76 2222SSWE, Sweep step Voltage

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Sweep step Voltage
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	10000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	10000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	2222SSWE
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	2222SSWE, Sweep step Voltage
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	75-75

(Back to chapter 48)

48.4.77 3333SSWE, Sweep step Voltage

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Sweep step Voltage
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	10000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	10000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	3333SSWE
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	3333SSWE, Sweep step Voltage
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	76-76

(Back to chapter 48)

48.4.78 00000SSW, Sweep step Voltage

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Sweep step Voltage
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	10000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	10000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	00000SSW
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	00000SSW, Sweep step Voltage
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	77-77

(Back to chapter 48)

48.4.79 11111SSW, Sweep step Voltage

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Sweep step Voltage
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	10000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	10000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	11111SSW
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	11111SSW, Sweep step Voltage
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	78-78

(Back to chapter 48)

48.4.80 22222SSW, Sweep step Voltage

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Sweep step Voltage
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	10000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	10000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	22222SSW
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	22222SSW, Sweep step Voltage
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	79-79

(Back to chapter 48)

48.4.81 33333SSW, Sweep step Voltage

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Sweep step Voltage
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	10000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	10000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	33333SSW
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	33333SSW, Sweep step Voltage
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	80-80

(Back to chapter 48)

48.4.82 HAnallHV, HSTOF High voltage

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	HSTOF High voltage
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	10000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	10000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	HAnallHV
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	HAnallHV, HSTOF High voltage
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	81-81

(Back to chapter 48)

48.4.83 1HAnallH, HSTOF High voltage

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	HSTOF High voltage
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	10000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	10000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	1HAnallH
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	1HAnallH, HSTOF High voltage
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	82-82

(Back to chapter 48)

48.4.84 2HAnallH, HSTOF High voltage

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	HSTOF High voltage
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	10000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	10000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	2HAnallH
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	2HAnallH, HSTOF High voltage
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	83-83

(Back to chapter 48)

48.4.85 3HAnallH, HSTOF High voltage

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	HSTOF High voltage
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	10000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	10000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	3HAnallH
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	3HAnallH, HSTOF High voltage
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	84-84

(Back to chapter 48)

48.5 zVariables

No zVariables (Back to chapter 48)

48.6 end

!# server>	client terminated data transfer at 20000204.143638
!# server>	eof cw-2000-034.005.skt

(Back to chapter 48)

Chapter 49

STOF ME L0 V03

Contents

49.1 header 855

49.2 GLOBALattributes 856

49.3 VARIABLEattributes 857

49.4 variables 857

49.4.1 Epoch, Time TAI 857

49.4.2 ME, STOF matrix elements 858

49.5 zVariables 858

49.6 end 858

49.1 header

CDF NAME:	SO_CEL_STOF_ME_L0_V03				
DATA ENCODING:	NETWORK				
MAJORITY:	COLUMN				
FORMAT:	SINGLE				
Variables	G.Attributes	V.Attributes	Records	Dims	Sizes
2/0	21	17	0/z	1	1024

(Back to chapter 49)

49.2 GLOBALattributes

TITLE	1:	CDF_CHAR	STOF matrix elements
Project	1:	CDF_CHAR	ISTP>International Solar-Terrestrial Physics
Discipline	1:	CDF_CHAR	Solar Physics>Solar Wind
Source_name	1:	CDF_CHAR	SO>Solar Heliospheric Observatory (SOHO)
Descriptor	1:	CDF_CHAR	CEL>Charge, Element and Isotope Analysis System (C
	2:	CDF_CHAR	ELIAS)
Detector	1:	CDF_CHAR	STOF>Suprathermal Time Of Flight
Series_name	1:	CDF_CHAR	ME>Matrix Elements
Data_type	1:	CDF_CHAR	L0>Level 0
Logical_source	1:	CDF_CHAR	SO_CEL_STOF_ME_L0
TEXT	1:	CDF_CHAR	A description of the CELIAS instrument and
	2:	CDF_CHAR	scientific scope can be found on WWW
	3:	CDF_CHAR	at https://www.ieap.uni-kiel.de/et/soho/celias/
	4:	CDF_CHAR	or on the SOHO homepage at
	5:	CDF_CHAR	http://sohowww.nascom.nasa.gov/.
	6:	CDF_CHAR	A written description of CELIAS
	7:	CDF_CHAR	will appear in the special issue of
	8:	CDF_CHAR	Solar Physics dedicated to SOHO.
Data_version	1:	CDF_CHAR	01
MODS	1:	CDF_CHAR	<cwrap!actual_date>
skeleton_version	1:	CDF_CHAR	01
software_version	1:	CDF_CHAR	<cwrap!cwrap_version>
ADID_ref	1:	CDF_CHAR	NSSD0195
PI_name	1:	CDF_CHAR	Robert F. Wimmer-Schweingruber
PI_affiliation	1:	CDF_CHAR	Institut fuer Experimentelle und Angewandte Physik,
	2:	CDF_CHAR	Christian Albrechts Universitaet Kiel,
	3:	CDF_CHAR	Leibnizstr 11,
	4:	CDF_CHAR	24118 Kiel, Germany
Mission_group	1:	CDF_CHAR	SOHO
Instrument_type	1:	CDF_CHAR	Particles (space)
TEXT_supplement	1:	CDF_CHAR	STOF matrix elements
TEXT_FOR_UOB	1:	CDF_CHAR	Hilchenbach and weygand

(Back to chapter 49)

49.3 VARIABLEattributes

FIELDNAM	
VALIDMIN	
VALIDMAX	
SCALETYP	
SCALEMIN	
SCALEMAX	
UNITS	
LABLAXIS	
FORMAT	
DEPEND_0	
!	DEPEND_1
!	DEPEND_2
!	DEPEND_3
!	DEPEND_4
!	DEPEND_5
MONOTON	
VAR_TYPE	
FILLVAL	
DISPLAY_TYPE	
CATDESC	
COLUMNS	
TIME_FORMAT	

(Back to chapter 49)

49.4 variables

Variable Name	Data Type	Number Elements	Record Variance	Dimension Variances
Epoch	CDF_EPOCH	1	T	F
ME	CDF_INT4	1	T	T

(Back to chapter 49)

49.4.1 Epoch, Time TAI

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Time TAI
VALIDMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
VALIDMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALEMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
SCALEMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Epoch
UNITS	CDF_CHAR	ms
VAR_TYPE	CDF_CHAR	support_data
CATDESC	CDF_CHAR	Epoch, Time TAI
FILLVAL	CDF_EPOCH	31-Dec-9999 23:59:59.999
DISPLAY_TYPE	CDF_CHAR	time_series
MONOTON	CDF_CHAR	INCREASE
TIME_FORMAT	CDF_CHAR	sec70base
COLUMNS	CDF_CHAR	0-0

(Back to chapter 49)

49.4.2 ME, STOF matrix elements

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	STOF matrix elements
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	1023
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	1023
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	ME
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	ME, STOF matrix elements
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	1-1024

(Back to chapter 49)

49.5 zVariables

No zVariables (Back to chapter 49)

49.6 end

!# server>	client terminated data transfer at 20000204.144124
!# server>	eof cw-2000-034.006.skt

(Back to chapter 49)

Chapter 50

STOF ME LA V03

Contents

50.1 header 859

50.2 GLOBALattributes 860

50.3 VARIABLEattributes 861

50.4 variables 861

50.4.1 Epoch, Time TAI 861

50.4.2 ME, STOF matrix elements 862

50.5 zVariables 862

50.6 end 862

50.1 header

CDF NAME:	SO_CEL_STOF_ME_LA_V02				
DATA ENCODING:	NETWORK				
MAJORITY:	COLUMN				
FORMAT:	SINGLE				
Variables	G.Attributes	V.Attributes	Records	Dims	Sizes
2/0	21	17	0/z	1	1024

(Back to chapter 50)

50.2 GLOBALattributes

TITLE	1:	CDF_CHAR	STOF matrix elements
Project	1:	CDF_CHAR	ISTP>International Solar-Terrestrial Physics
Discipline	1:	CDF_CHAR	Solar Physics>Solar Wind
Source_name	1:	CDF_CHAR	SO>Solar Heliospheric Observatory (SOHO)
Descriptor	1:	CDF_CHAR	CEL>Charge, Element and Isotope Analysis System (C
	2:	CDF_CHAR	ELIAS)
Detector	1:	CDF_CHAR	STOF>Suprathermal Time Of Flight
Series_name	1:	CDF_CHAR	ME>Matrix Elements
Data_type	1:	CDF_CHAR	LA>Level ASCII
Logical_source	1:	CDF_CHAR	SO_CEL_STOF_ME_LA
TEXT	1:	CDF_CHAR	A description of the CELIAS instrument and
	2:	CDF_CHAR	scientific scope can be found on WWW
	3:	CDF_CHAR	at https://www.ieap.uni-kiel.de/et/soho/celias/
	4:	CDF_CHAR	or on the SOHO homepage at
	5:	CDF_CHAR	http://sohowww.nascom.nasa.gov/.
	6:	CDF_CHAR	A written description of CELIAS
	7:	CDF_CHAR	will appear in the special issue of
	8:	CDF_CHAR	Solar Physics dedicated to SOHO.
Data_version	1:	CDF_CHAR	01
MODS	1:	CDF_CHAR	<cwrap!actual_date>
skeleton_version	1:	CDF_CHAR	01
software_version	1:	CDF_CHAR	<cwrap!cwrap_version>
ADID_ref	1:	CDF_CHAR	NSSD0195
PI_name	1:	CDF_CHAR	Robert F. Wimmer-Schweingruber
PI_affiliation	1:	CDF_CHAR	Institut fuer Experimentelle und Angewandte Physik,
	2:	CDF_CHAR	Christian Albrechts Universitaet Kiel,
	3:	CDF_CHAR	Leibnizstr 11,
	4:	CDF_CHAR	24118 Kiel, Germany
Mission_group	1:	CDF_CHAR	SOHO
Instrument_type	1:	CDF_CHAR	Particles (space)
TEXT_supplement	1:	CDF_CHAR	STOF matrix elements
TEXT_FOR_UOB	1:	CDF_CHAR	Hilchenbach and weygand

(Back to chapter 50)

50.3 VARIABLEattributes

FIELDNAM	
VALIDMIN	
VALIDMAX	
SCALETYP	
SCALEMIN	
SCALEMAX	
UNITS	
LABLAXIS	
FORMAT	
DEPEND_0	
!	DEPEND_1
!	DEPEND_2
!	DEPEND_3
!	DEPEND_4
!	DEPEND_5
MONOTON	
VAR_TYPE	
FILLVAL	
DISPLAY_TYPE	
CATDESC	
COLUMNS	
TIME_FORMAT	

(Back to chapter 50)

50.4 variables

Variable Name	Data Type	Number Elements	Record Variance	Dimension Variances
Epoch	CDF_EPOCH	1	T	F
ME	CDF_INT4	1	T	T

(Back to chapter 50)

50.4.1 Epoch, Time TAI

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Time TAI
VALIDMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
VALIDMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALEMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
SCALEMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Epoch
UNITS	CDF_CHAR	ms
VAR_TYPE	CDF_CHAR	support_data
CATDESC	CDF_CHAR	Epoch, Time TAI
FILLVAL	CDF_EPOCH	31-Dec-9999 23:59:59.999
DISPLAY_TYPE	CDF_CHAR	time_series
MONOTON	CDF_CHAR	INCREASE
TIME_FORMAT	CDF_CHAR	sec70base
COLUMNS	CDF_CHAR	0-0

(Back to chapter 50)

50.4.2 ME, STOF matrix elements

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	STOF matrix elements
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	1023
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	1023
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	ME
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	ME, STOF matrix elements
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	1-1024

(Back to chapter 50)

50.5 zVariables

No zVariables (Back to chapter 50)

50.6 end

!# server>	client terminated data transfer at 20000204.144124
!# server>	eof cw-2000-034.006.skt

(Back to chapter 50)

Chapter 51

STOF MR L0 V03

Contents

51.1 header 863

51.2 GLOBALattributes 864

51.3 VARIABLEattributes 865

51.4 variables 865

51.4.1 Epoch, Time TAI 866

51.4.2 Step, STOF sweep voltage step 866

51.4.3 R11-00, STOF high time resolution matrix rates 867

51.4.4 P3-0, STOF high time resolution priority rates 867

51.5 zVariables 867

51.6 end 867

51.1 header

CDF NAME:	SO_CEL_STOF_MR_L0_V03				
DATA ENCODING:	NETWORK				
MAJORITY:	COLUMN				
FORMAT:	SINGLE				
Variables	G.Attributes	V.Attributes	Records	Dims	Sizes
4/0	21	17	0/z	2	12 4

(Back to chapter 51)

51.2 GLOBALattributes

TITLE	1:	CDF_CHAR	STOF matrix rates
Project	1:	CDF_CHAR	ISTP>International Solar-Terrestrial Physics
Discipline	1:	CDF_CHAR	Solar Physics>Solar Wind
Source_name	1:	CDF_CHAR	SO>Solar Heliospheric Observatory (SOHO)
Descriptor	1:	CDF_CHAR	CEL>Charge, Element and Isotope Analysis System (C
	2:	CDF_CHAR	ELIAS)
Detector	1:	CDF_CHAR	STOF>Suprathermal Time Of Flight
Series_name	1:	CDF_CHAR	MR>Matrix Rates
Data_type	1:	CDF_CHAR	L0>Level 0
Logical_source	1:	CDF_CHAR	SO_CEL_STOF_MR_L0
TEXT	1:	CDF_CHAR	A description of the CELIAS instrument and
	2:	CDF_CHAR	scientific scope can be found on WWW
	3:	CDF_CHAR	at https://www.ieap.uni-kiel.de/et/soho/celias/
	4:	CDF_CHAR	or on the SOHO homepage at
	5:	CDF_CHAR	http://sohowww.nascom.nasa.gov/.
	6:	CDF_CHAR	A written description of CELIAS
	7:	CDF_CHAR	will appear in the special issue of
	8:	CDF_CHAR	Solar Physics dedicated to SOHO.
Data_version	1:	CDF_CHAR	01
MODS	1:	CDF_CHAR	<cwrap!actual_date>
skeleton_version	1:	CDF_CHAR	01
software_version	1:	CDF_CHAR	<cwrap!cwrap_version>
ADID_ref	1:	CDF_CHAR	NSSD0195
PI_name	1:	CDF_CHAR	Robert F. Wimmer-Schweingruber
PI_affiliation	1:	CDF_CHAR	Institut fuer Experimentelle und Angewandte Physik,
	2:	CDF_CHAR	Christian Albrechts Universitaet Kiel,
	3:	CDF_CHAR	Leibnizstr 11,
	4:	CDF_CHAR	24118 Kiel, Germany
Mission_group	1:	CDF_CHAR	SOHO
Instrument_type	1:	CDF_CHAR	Particles (space)
TEXT_supplement	1:	CDF_CHAR	STOF matrix rates
TEXT_FOR_UOB	1:	CDF_CHAR	Hilchenbach and weygand

(Back to chapter 51)

51.3 VARIABLEattributes

FIELDNAM	
VALIDMIN	
VALIDMAX	
SCALETYP	
SCALEMIN	
SCALEMAX	
UNITS	
LABLAXIS	
FORMAT	
DEPEND_0	
!	DEPEND_1
!	DEPEND_2
!	DEPEND_3
!	DEPEND_4
!	DEPEND_5
MONOTON	
VAR_TYPE	
FILLVAL	
DISPLAY_TYPE	
CATDESC	
COLUMNS	
TIME_FORMAT	

(Back to chapter 51)

51.4 variables

Variable Name	Data Type	Number Elements	Record Variance	Dimension Variances
Epoch	CDF_EPOCH	1	T	F F
Step	CDF_UINT1	1	T	F F
R11-00	CDF_INT4	1	T	T F
P3-0	CDF_INT4	1	T	F T

(Back to chapter 51)

51.4.1 Epoch, Time TAI

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Time TAI
VALIDMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
VALIDMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALEMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
SCALEMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Epoch
UNITS	CDF_CHAR	ms
VAR_TYPE	CDF_CHAR	support_data
CATDESC	CDF_CHAR	Epoch, Time TAI
FILLVAL	CDF_EPOCH	31-Dec-9999 23:59:59.999
DISPLAY_TYPE	CDF_CHAR	time_series
MONOTON	CDF_CHAR	INCREASE
TIME_FORMAT	CDF_CHAR	sec70base
COLUMNS	CDF_CHAR	0-0

(Back to chapter 51)

51.4.2 Step, STOF sweep voltage step

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	STOF sweep voltage step
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	250
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	250
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Step
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	Step, STOF sweep voltage step
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	1-1

(Back to chapter 51)

51.4.3 R11-00, STOF high time resolution matrix rates

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	STOF high time resolution matrix rates
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	1000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	R11-00
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	R11-00, STOF high time resolution matrix rates
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	2-13

(Back to chapter 51)

51.4.4 P3-0, STOF high time resolution priority rates

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	STOF high time resolution priority rates
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	1000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	P3-0
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	P3-0, STOF high time resolution priority rates
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	14-17

(Back to chapter 51)

51.5 zVariables

No zVariables (Back to chapter 51)

51.6 end

!# server>	client terminated data transfer at 20000204.144719
!# server>	eof cw-2000-034.007.skt

(Back to chapter 51)

Chapter 52

STOF MR LA V03

Contents

52.1 header 869

52.2 GLOBALattributes 870

52.3 VARIABLEattributes 871

52.4 variables 871

52.4.1 Epoch, Time TAI 872

52.4.2 Step, STOF sweep voltage step 872

52.4.3 R11-00, STOF high time resolution matrix rates 873

52.4.4 P3-0, STOF high time resolution priority rates 873

52.5 zVariables 873

52.6 end 873

52.1 header

CDF NAME:	SO_CEL_STOF_MR_LA_V02				
DATA ENCODING:	NETWORK				
MAJORITY:	COLUMN				
FORMAT:	SINGLE				
Variables	G.Attributes	V.Attributes	Records	Dims	Sizes
4/0	21	17	0/z	2	12 4

(Back to chapter 52)

52.2 GLOBALattributes

TITLE	1:	CDF_CHAR	STOF matrix rates
Project	1:	CDF_CHAR	ISTP>International Solar-Terrestrial Physics
Discipline	1:	CDF_CHAR	Solar Physics>Solar Wind
Source_name	1:	CDF_CHAR	SO>Solar Heliospheric Observatory (SOHO)
Descriptor	1:	CDF_CHAR	CEL>Charge, Element and Isotope Analysis System (C
	2:	CDF_CHAR	ELIAS)
Detector	1:	CDF_CHAR	STOF>Suprathermal Time Of Flight
Series_name	1:	CDF_CHAR	MR>Matrix Rates
Data_type	1:	CDF_CHAR	LA>Level ASCII
Logical_source	1:	CDF_CHAR	SO_CEL_STOF_MR_LA
TEXT	1:	CDF_CHAR	A description of the CELIAS instrument and
	2:	CDF_CHAR	scientific scope can be found on WWW
	3:	CDF_CHAR	at https://www.ieap.uni-kiel.de/et/soho/celias/
	4:	CDF_CHAR	or on the SOHO homepage at
	5:	CDF_CHAR	http://sohowww.nascom.nasa.gov/.
	6:	CDF_CHAR	A written description of CELIAS
	7:	CDF_CHAR	will appear in the special issue of
	8:	CDF_CHAR	Solar Physics dedicated to SOHO.
Data_version	1:	CDF_CHAR	01
MODS	1:	CDF_CHAR	<cwrap!actual_date>
skeleton_version	1:	CDF_CHAR	01
software_version	1:	CDF_CHAR	<cwrap!cwrap_version>
ADID_ref	1:	CDF_CHAR	NSSD0195
PI_name	1:	CDF_CHAR	Robert F. Wimmer-Schweingruber
PI_affiliation	1:	CDF_CHAR	Institut fuer Experimentelle und Angewandte Physik,
	2:	CDF_CHAR	Christian Albrechts Universitaet Kiel,
	3:	CDF_CHAR	Leibnizstr 11,
	4:	CDF_CHAR	24118 Kiel, Germany
Mission_group	1:	CDF_CHAR	SOHO
Instrument_type	1:	CDF_CHAR	Particles (space)
TEXT_supplement	1:	CDF_CHAR	STOF matrix rates
TEXT_FOR_UOB	1:	CDF_CHAR	Hilchenbach and weygand

(Back to chapter 52)

52.3 VARIABLEattributes

FIELDNAM	
VALIDMIN	
VALIDMAX	
SCALETYP	
SCALEMIN	
SCALEMAX	
UNITS	
LABLAXIS	
FORMAT	
DEPEND_0	
!	DEPEND_1
!	DEPEND_2
!	DEPEND_3
!	DEPEND_4
!	DEPEND_5
MONOTON	
VAR_TYPE	
FILLVAL	
DISPLAY_TYPE	
CATDESC	
COLUMNS	
TIME_FORMAT	

(Back to chapter 52)

52.4 variables

Variable Name	Data Type	Number Elements	Record Variance	Dimension Variances
Epoch	CDF_EPOCH	1	T	F F
Step	CDF_UINT1	1	T	F F
R11-00	CDF_INT4	1	T	T F
P3-0	CDF_INT4	1	T	F T

(Back to chapter 52)

52.4.1 Epoch, Time TAI

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Time TAI
VALIDMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
VALIDMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALEMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
SCALEMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Epoch
UNITS	CDF_CHAR	ms
VAR_TYPE	CDF_CHAR	support_data
CATDESC	CDF_CHAR	Epoch, Time TAI
FILLVAL	CDF_EPOCH	31-Dec-9999 23:59:59.999
DISPLAY_TYPE	CDF_CHAR	time_series
MONOTON	CDF_CHAR	INCREASE
TIME_FORMAT	CDF_CHAR	sec70base
COLUMNS	CDF_CHAR	0-0

(Back to chapter 52)

52.4.2 Step, STOF sweep voltage step

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	STOF sweep voltage step
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	250
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	250
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Step
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	Step, STOF sweep voltage step
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	1-1

(Back to chapter 52)

52.4.3 R11-00, STOF high time resolution matrix rates

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	STOF high time resolution matrix rates
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	1000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	R11-00
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	R11-00, STOF high time resolution matrix rates
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	2-13

(Back to chapter 52)

52.4.4 P3-0, STOF high time resolution priority rates

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	STOF high time resolution priority rates
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	1000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	P3-0
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	P3-0, STOF high time resolution priority rates
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	14-17

(Back to chapter 52)

52.5 zVariables

No zVariables (Back to chapter 52)

52.6 end

!# server>	client terminated data transfer at 20000204.144719
!# server>	eof cw-2000-034.007.skt

(Back to chapter 52)

Chapter 53

STOF PHA L0 V03

Contents

53.1 header 875
53.2 GLOBALattributes 876
53.3 VARIABLEattributes 877
53.4 variables 877
53.4.1 Epoch, Time TAI 878
53.4.2 ID, Identification 878
53.4.3 STEP, Sweep voltage step 879
53.4.4 SubSt, Sweep voltage sub step 879
53.4.5 Range, Range 880
53.4.6 Prior, Priority 880
53.4.7 Res, Resiual bit 881
53.4.8 Stop, Stop condition enabled 881
53.4.9 PFx, Front position 882
53.4.10 PChan, Solid state detector channel 882
53.4.11 PPos, Solid state detector position 883
53.4.12 Gain, Solid state detector Gain 883
53.4.13 ESum, sum of pixel energies 884
53.4.14 Energy, Pixel energy 884
53.4.15 TOF, Time of flight channel 885
53.4.16 EoqSt, Energy per charge step 885
53.5 zVariables 885
53.6 end 885

53.1 header

CDF NAME:	SO_CEL_STOF_PHA_L0_V03				
DATA ENCODING:	NETWORK				
MAJORITY:	COLUMN				
FORMAT:	SINGLE				
Variables	G.Attributes	V.Attributes	Records	Dims	Sizes
16/0	21	17	0/z	0	

(Back to chapter 53)

53.2 GLOBALattributes

TITLE	1:	CDF_CHAR	STOF PHA
Project	1:	CDF_CHAR	ISTP>International Solar-Terrestrial Physics
Discipline	1:	CDF_CHAR	Solar Physics>Solar Wind
Source_name	1:	CDF_CHAR	SO>Solar Heliospheric Observatory (SOHO)
Descriptor	1:	CDF_CHAR	CEL>Charge, Element and Isotope Analysis System (C
	2:	CDF_CHAR	ELIAS)
Detector	1:	CDF_CHAR	STOF>Suprathermal Time Of Flight
Series_name	1:	CDF_CHAR	PHA>Pulse Height Analyzer
Data_type	1:	CDF_CHAR	L0>Level 0
Logical_source	1:	CDF_CHAR	SO_CEL_STOF_PHA_L0
TEXT	1:	CDF_CHAR	A description of the CELIAS instrument and
	2:	CDF_CHAR	scientific scope can be found on WWW
	3:	CDF_CHAR	at https://www.ieap.uni-kiel.de/et/soho/celias/
	4:	CDF_CHAR	or on the SOHO homepage at
	5:	CDF_CHAR	http://sohowww.nascom.nasa.gov/.
	6:	CDF_CHAR	A written description of CELIAS
	7:	CDF_CHAR	will appear in the special issue of
	8:	CDF_CHAR	Solar Physics dedicated to SOHO.
Data_version	1:	CDF_CHAR	01
MODS	1:	CDF_CHAR	<cwrap!actual_date>
skeleton_version	1:	CDF_CHAR	01
software_version	1:	CDF_CHAR	<cwrap!cwrap_version>
ADID_ref	1:	CDF_CHAR	NSSD0195
PI_name	1:	CDF_CHAR	Robert F. Wimmer-Schweingruber
PI_affiliation	1:	CDF_CHAR	Institut fuer Experimentelle und Angewandte Physik,
	2:	CDF_CHAR	Christian Albrechts Universitaet Kiel,
	3:	CDF_CHAR	Leibnizstr 11,
	4:	CDF_CHAR	24118 Kiel, Germany
Mission_group	1:	CDF_CHAR	SOHO
Instrument_type	1:	CDF_CHAR	Particles (space)
TEXT_supplement	1:	CDF_CHAR	STOF pulse height analysis data
TEXT_FOR_UOB	1:	CDF_CHAR	Hilchenbach and weygand

(Back to chapter 53)

53.3 VARIABLEattributes

FIELDNAM	
VALIDMIN	
VALIDMAX	
SCALETYP	
SCALEMIN	
SCALEMAX	
UNITS	
LABLAXIS	
FORMAT	
DEPEND_0	
!	DEPEND_1
!	DEPEND_2
!	DEPEND_3
!	DEPEND_4
!	DEPEND_5
MONOTON	
VAR_TYPE	
FILLVAL	
DISPLAY_TYPE	
CATDESC	
COLUMNS	
TIME_FORMAT	

(Back to chapter 53)

53.4 variables

Variable Name	Data Type	Number Elements	Record Variance	Dimension Variances
Epoch	CDF_EPOCH	1	T	
ID	CDF_INT1	1	T	
STEP	CDF_UINT1	1	T	
SubSt	CDF_UINT1	1	T	
Range	CDF_UINT1	1	T	
Prior	CDF_UINT1	1	T	
Res	CDF_UINT1	1	T	
Stop	CDF_UINT1	1	T	
PFx	CDF_UINT1	1	T	
PChan	CDF_UINT1	1	T	
PPos	CDF_UINT1	1	T	
Gain	CDF_UINT1	1	T	
ESum	CDF_INT2	1	T	
Energy	CDF_INT2	1	T	
TOF	CDF_INT2	1	T	
EoqSt	CDF_INT2	1	T	

(Back to chapter 53)

53.4.1 Epoch, Time TAI

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Time TAI
VALIDMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
VALIDMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALEMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
SCALEMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Epoch
UNITS	CDF_CHAR	ms
VAR_TYPE	CDF_CHAR	support_data
CATDESC	CDF_CHAR	Epoch, Time TAI
FILLVAL	CDF_EPOCH	31-Dec-9999 23:59:59.999
DISPLAY_TYPE	CDF_CHAR	time_series
MONOTON	CDF_CHAR	INCREASE
TIME_FORMAT	CDF_CHAR	sec70base
COLUMNS	CDF_CHAR	0-0

(Back to chapter 53)

53.4.2 ID, Identification

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Identification
VALIDMIN	CDF_INT1	0
VALIDMAX	CDF_INT1	3
SCALEMIN	CDF_INT1	0
SCALEMAX	CDF_INT1	3
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	ID
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	ID, Identification
FILLVAL	CDF_INT1	-127
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	1-1

(Back to chapter 53)

53.4.3 STEP, Sweep voltage step

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Sweep voltage step
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	250
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	250
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	STEP
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	STEP, Sweep voltage step
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	2-2

(Back to chapter 53)

53.4.4 SubSt, Sweep voltage sub step

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Sweep voltage sub step
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	3
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	3
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SubSt
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SubSt, Sweep voltage sub step
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	3-3

(Back to chapter 53)

53.4.5 Range, Range

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Range
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	10
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	10
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Range
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	Range, Range
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	4-4

(Back to chapter 53)

53.4.6 Prior, Priority

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Priority
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	10
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	10
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Prior
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	Prior, Priority
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	5-5

(Back to chapter 53)

53.4.7 Res, Resiual bit

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Resiual bit
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	10
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	10
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Res
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	Res, Resiual bit
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	6-6

(Back to chapter 53)

53.4.8 Stop, Stop condition enabled

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Stop condition enabled
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	10
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	10
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Stop
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	Stop, Stop condition enabled
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	7-7

(Back to chapter 53)

53.4.9 PFx, Front position

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Front position
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	16
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	16
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PFx
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PFx, Front position
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	8-8

(Back to chapter 53)

53.4.10 PChan, Solid state detector channel

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Solid state detector channel
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	32
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	32
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PChan
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PChan, Solid state detector channel
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	9-9

(Back to chapter 53)

53.4.11 PPos, Solid state detector position

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Solid state detector position
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	32
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	32
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PPos
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PPos, Solid state detector position
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	10-10

(Back to chapter 53)

53.4.12 Gain, Solid state detector Gain

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Solid state detector Gain
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	10
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	10
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Gain
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	Gain, Solid state detector Gain
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	11-11

(Back to chapter 53)

53.4.13 ESum, sum of pixel energies

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	sum of pixel energies
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	2000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	2000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	ESum
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	ESum, sum of pixel energies
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	12-12

(Back to chapter 53)

53.4.14 Energy, Pixel energy

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Pixel energy
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	2000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	2000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Energy
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	Energy, Pixel energy
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	13-13

(Back to chapter 53)

53.4.15 TOF, Time of flight channel

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Time of flight channel
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	2000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	2000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	TOF
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	TOF, Time of flight channel
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	14-14

(Back to chapter 53)

53.4.16 EoqSt, Energy per charge step

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Energy per charge step
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	500
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	500
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	EoqSt
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	EoqSt, Energy per charge step
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	15-15

(Back to chapter 53)

53.5 zVariables

No zVariables (Back to chapter 53)

53.6 end

!# server>	client terminated data transfer at 20000204.145626
!# server>	eof cw-2000-034.008.skt

(Back to chapter 53)

Chapter 54

STOF PHA LA V03

Contents

54.1 header 887
54.2 GLOBALattributes 888
54.3 VARIABLEattributes 889
54.4 variables 889
54.4.1 Epoch, Time TAI 890
54.4.2 ID, Identification 890
54.4.3 STEP, Sweep voltage step 891
54.4.4 SubSt, Sweep voltage sub step 891
54.4.5 Range, Range 892
54.4.6 Prior, Priority 892
54.4.7 Res, Resiual bit 893
54.4.8 Stop, Stop condition enabled 893
54.4.9 PFx, Front position 894
54.4.10 PChan, Solid state detector channel 894
54.4.11 PPos, Solid state detector position 895
54.4.12 Gain, Solid state detector Gain 895
54.4.13 ESum, sum of pixel energies 896
54.4.14 Energy, Pixel energy 896
54.4.15 TOF, Time of flight channel 897
54.4.16 EoqSt, Energy per charge step 897
54.5 zVariables 897
54.6 end 897

54.1 header

CDF NAME:	SO_CEL_STOF_PHA_LA_V02				
DATA ENCODING:	NETWORK				
MAJORITY:	COLUMN				
FORMAT:	SINGLE				
Variables	G.Attributes	V.Attributes	Records	Dims	Sizes
16/0	21	17	0/z	0	

(Back to chapter 54)

54.2 GLOBALattributes

TITLE	1:	CDF_CHAR	STOF PHA
Project	1:	CDF_CHAR	ISTP>International Solar-Terrestrial Physics
Discipline	1:	CDF_CHAR	Solar Physics>Solar Wind
Source_name	1:	CDF_CHAR	SO>Solar Heliospheric Observatory (SOHO)
Descriptor	1:	CDF_CHAR	CEL>Charge, Element and Isotope Analysis System (C
	2:	CDF_CHAR	ELIAS)
Detector	1:	CDF_CHAR	STOF>Suprathermal Time Of Flight
Series_name	1:	CDF_CHAR	PHA>Pulse Height Analyzer
Data_type	1:	CDF_CHAR	LA>Level ASCII
Logical_source	1:	CDF_CHAR	SO_CEL_STOF_PHA_LA
TEXT	1:	CDF_CHAR	A description of the CELIAS instrument and
	2:	CDF_CHAR	scientific scope can be found on WWW
	3:	CDF_CHAR	at https://www.ieap.uni-kiel.de/et/soho/celias/
	4:	CDF_CHAR	or on the SOHO homepage at
	5:	CDF_CHAR	http://sohowww.nascom.nasa.gov/.
	6:	CDF_CHAR	A written description of CELIAS
	7:	CDF_CHAR	will appear in the special issue of
	8:	CDF_CHAR	Solar Physics dedicated to SOHO.
Data_version	1:	CDF_CHAR	01
MODS	1:	CDF_CHAR	<cwrap!actual_date>
skeleton_version	1:	CDF_CHAR	01
software_version	1:	CDF_CHAR	<cwrap!cwrap_version>
ADID_ref	1:	CDF_CHAR	NSSD0195
PI_name	1:	CDF_CHAR	Robert F. Wimmer-Schweingruber
PI_affiliation	1:	CDF_CHAR	Institut fuer Experimentelle und Angewandte Physik,
	2:	CDF_CHAR	Christian Albrechts Universitaet Kiel,
	3:	CDF_CHAR	Leibnizstr 11,
	4:	CDF_CHAR	24118 Kiel, Germany
Mission_group	1:	CDF_CHAR	SOHO
Instrument_type	1:	CDF_CHAR	Particles (space)
TEXT_supplement	1:	CDF_CHAR	STOF pulse height analysis data
TEXT_FOR_UOB	1:	CDF_CHAR	Hilchenbach and weygand

(Back to chapter 54)

54.3 VARIABLEattributes

FIELDNAM	
VALIDMIN	
VALIDMAX	
SCALETYP	
SCALEMIN	
SCALEMAX	
UNITS	
LABLAXIS	
FORMAT	
DEPEND_0	
!	DEPEND_1
!	DEPEND_2
!	DEPEND_3
!	DEPEND_4
!	DEPEND_5
MONOTON	
VAR_TYPE	
FILLVAL	
DISPLAY_TYPE	
CATDESC	
COLUMNS	
TIME_FORMAT	

(Back to chapter 54)

54.4 variables

Variable Name	Data Type	Number Elements	Record Variance	Dimension Variances
Epoch	CDF_EPOCH	1	T	
ID	CDF_INT1	1	T	
STEP	CDF_UINT1	1	T	
SubSt	CDF_UINT1	1	T	
Range	CDF_UINT1	1	T	
Prior	CDF_UINT1	1	T	
Res	CDF_UINT1	1	T	
Stop	CDF_UINT1	1	T	
PFx	CDF_UINT1	1	T	
PChan	CDF_UINT1	1	T	
PPos	CDF_UINT1	1	T	
Gain	CDF_UINT1	1	T	
ESum	CDF_INT2	1	T	
Energy	CDF_INT2	1	T	
TOF	CDF_INT2	1	T	
EoqSt	CDF_INT2	1	T	

(Back to chapter 54)

54.4.1 Epoch, Time TAI

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Time TAI
VALIDMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
VALIDMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALEMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
SCALEMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Epoch
UNITS	CDF_CHAR	ms
VAR_TYPE	CDF_CHAR	support_data
CATDESC	CDF_CHAR	Epoch, Time TAI
FILLVAL	CDF_EPOCH	31-Dec-9999 23:59:59.999
DISPLAY_TYPE	CDF_CHAR	time_series
MONOTON	CDF_CHAR	INCREASE
TIME_FORMAT	CDF_CHAR	sec70base
COLUMNS	CDF_CHAR	0-0

(Back to chapter 54)

54.4.2 ID, Identification

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Identification
VALIDMIN	CDF_INT1	0
VALIDMAX	CDF_INT1	3
SCALEMIN	CDF_INT1	0
SCALEMAX	CDF_INT1	3
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	ID
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	ID, Identification
FILLVAL	CDF_INT1	-127
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	1-1

(Back to chapter 54)

54.4.3 STEP, Sweep voltage step

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Sweep voltage step
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	250
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	250
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	STEP
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	STEP, Sweep voltage step
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	2-2

(Back to chapter 54)

54.4.4 SubSt, Sweep voltage sub step

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Sweep voltage sub step
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	3
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	3
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SubSt
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SubSt, Sweep voltage sub step
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	3-3

(Back to chapter 54)

54.4.5 Range, Range

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Range
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	10
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	10
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Range
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	Range, Range
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	4-4

(Back to chapter 54)

54.4.6 Prior, Priority

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Priority
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	10
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	10
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Prior
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	Prior, Priority
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	5-5

(Back to chapter 54)

54.4.7 Res, Resiual bit

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Resiual bit
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	10
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	10
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Res
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	Res, Resiual bit
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	6-6

(Back to chapter 54)

54.4.8 Stop, Stop condition enabled

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Stop condition enabled
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	10
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	10
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Stop
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	Stop, Stop condition enabled
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	7-7

(Back to chapter 54)

54.4.9 PFx, Front position

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Front position
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	16
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	16
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PFx
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PFx, Front position
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	8-8

(Back to chapter 54)

54.4.10 PChan, Solid state detector channel

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Solid state detector channel
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	32
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	32
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PChan
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PChan, Solid state detector channel
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	9-9

(Back to chapter 54)

54.4.11 PPos, Solid state detector position

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Solid state detector position
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	32
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	32
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PPos
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PPos, Solid state detector position
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	10-10

(Back to chapter 54)

54.4.12 Gain, Solid state detector Gain

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Solid state detector Gain
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	10
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	10
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Gain
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	Gain, Solid state detector Gain
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	11-11

(Back to chapter 54)

54.4.13 ESum, sum of pixel energies

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	sum of pixel energies
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	2000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	2000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	ESum
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	ESum, sum of pixel energies
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	12-12

(Back to chapter 54)

54.4.14 Energy, Pixel energy

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Pixel energy
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	2000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	2000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Energy
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	Energy, Pixel energy
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	13-13

(Back to chapter 54)

54.4.15 TOF, Time of flight channel

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Time of flight channel
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	2000
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	2000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	TOF
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	TOF, Time of flight channel
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	14-14

(Back to chapter 54)

54.4.16 EoqSt, Energy per charge step

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Energy per charge step
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	500
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	500
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	EoqSt
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	EoqSt, Energy per charge step
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	15-15

(Back to chapter 54)

54.5 zVariables

No zVariables (Back to chapter 54)

54.6 end

!# server>	client terminated data transfer at 20000204.145626
!# server>	eof cw-2000-034.008.skt

(Back to chapter 54)

Chapter 55

STOF SBH L0 V03

Contents

55.1 header 899
55.2 GLOBALattributes 900
55.3 VARIABLEattributes 901
55.4 variables 901
55.4.1 Epoch, Time TAI 902
55.4.2 Rec_Num, Record number 902
55.4.3 Step_Num, Step number 903
55.4.4 Sweep2HV, Sweep 2 High Voltage 903
55.4.5 SFR0, STOF front and rear rates 0 904
55.4.6 SF0, STOF front rates 904
55.4.7 RejFS, Front rejection rates 905
55.4.8 RejPS, Rejection position rates 905
55.4.9 HHiPr2, HSTOF high priority 2 rates 906
55.4.10 HLoPr2, HSTOF Low priority 2 rates 906
55.4.11 SHiPr2, STOF High priority 2 rates 907
55.4.12 SLoPr2, STOF Low priority 2 rates 907
55.4.13 HHiPr1, HSTOF High priority 1 rates 908
55.4.14 HLoPr1, HSTOF Low priority 1 rates 908
55.4.15 SHiPr1, STOF High priority 1 rates 909
55.4.16 SLoPr1, STOF Low priority 1 rates 909
55.4.17 Stro2, Strobe 2 rates 910
55.4.18 Stro1, Strobe 1 rates 910
55.5 zVariables 910
55.6 end 910

55.1 header

CDF NAME:	SO_CEL_STOF_SBH_L0_V03				
DATA ENCODING:	NETWORK				
MAJORITY:	COLUMN				
FORMAT:	SINGLE				
Variables	G.Attributes	V.Attributes	Records	Dims	Sizes
18/0	21	17	0/z	0	

(Back to chapter 55)

55.2 GLOBALattributes

TITLE	1:	CDF_CHAR	STOF SBH
Project	1:	CDF_CHAR	ISTP>International Solar-Terrestrial Physics
Discipline	1:	CDF_CHAR	Solar Physics>Solar Wind
Source_name	1:	CDF_CHAR	SO>Solar Heliospheric Observatory (SOHO)
Descriptor	1:	CDF_CHAR	CEL>Charge, Element and Isotope Analysis System (C
	2:	CDF_CHAR	ELIAS)
Detector	1:	CDF_CHAR	STOF>Suprathermal Time Of Flight
Series_name	1:	CDF_CHAR	SBH>STOF High Basic Rate
Data_type	1:	CDF_CHAR	L0>Level 0
Logical_source	1:	CDF_CHAR	SO_CEL_STOF_SBH_L0
TEXT	1:	CDF_CHAR	A description of the CELIAS instrument and
	2:	CDF_CHAR	scientific scope can be found on WWW
	3:	CDF_CHAR	at https://www.ieap.uni-kiel.de/et/soho/celias/
	4:	CDF_CHAR	or on the SOHO homepage at
	5:	CDF_CHAR	http://sohowww.nascom.nasa.gov/.
	6:	CDF_CHAR	A written description of CELIAS
	7:	CDF_CHAR	will appear in the special issue of
	8:	CDF_CHAR	Solar Physics dedicated to SOHO.
Data_version	1:	CDF_CHAR	01
MODS	1:	CDF_CHAR	<cwrap!actual_date>
skeleton_version	1:	CDF_CHAR	01
software_version	1:	CDF_CHAR	<cwrap!cwrap_version>
ADID_ref	1:	CDF_CHAR	NSSD0195
PI_name	1:	CDF_CHAR	Robert F. Wimmer-Schweingruber
PI_affiliation	1:	CDF_CHAR	Institut fuer Experimentelle und Angewandte Physik,
	2:	CDF_CHAR	Christian Albrechts Universitaet Kiel,
	3:	CDF_CHAR	Leibnizstr 11,
	4:	CDF_CHAR	24118 Kiel, Germany
Mission_group	1:	CDF_CHAR	SOHO
Instrument_type	1:	CDF_CHAR	Particles (space)
TEXT_supplement	1:	CDF_CHAR	STOF basic rates (high time resolution?)
TEXT_FOR_UOB	1:	CDF_CHAR	weygand redone after hilchenbach crash

(Back to chapter 55)

55.3 VARIABLEattributes

FIELDNAM	
VALIDMIN	
VALIDMAX	
SCALETYP	
SCALEMIN	
SCALEMAX	
UNITS	
LABLAXIS	
FORMAT	
DEPEND_0	
!	DEPEND_1
!	DEPEND_2
!	DEPEND_3
!	DEPEND_4
!	DEPEND_5
MONOTON	
VAR_TYPE	
FILLVAL	
DISPLAY_TYPE	
CATDESC	
COLUMNS	
TIME_FORMAT	

(Back to chapter 55)

55.4 variables

Variable Name	Data Type	Number Elements	Record Variance	Dimension Variances
Epoch	CDF_EPOCH	1	T	
Rec_Num	CDF_INT4	1	T	
Step_Num	CDF_UINT1	1	T	
Sweep2HV	CDF_FLOAT	1	T	
SFR0	CDF_FLOAT	1	T	
SF0	CDF_FLOAT	1	T	
RejFS	CDF_FLOAT	1	T	
RejPS	CDF_FLOAT	1	T	
HHiPr2	CDF_FLOAT	1	T	
HLoPr2	CDF_FLOAT	1	T	
SHiPr2	CDF_FLOAT	1	T	
SLoPr2	CDF_FLOAT	1	T	
HHiPr1	CDF_FLOAT	1	T	
HLoPr1	CDF_FLOAT	1	T	
SHiPr1	CDF_FLOAT	1	T	
SLoPr1	CDF_FLOAT	1	T	
Stro2	CDF_FLOAT	1	T	
Stro1	CDF_FLOAT	1	T	

(Back to chapter 55)

55.4.1 Epoch, Time TAI

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Time TAI
VALIDMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
VALIDMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALEMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
SCALEMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Epoch
UNITS	CDF_CHAR	ms
VAR_TYPE	CDF_CHAR	support_data
CATDESC	CDF_CHAR	Epoch, Time TAI
FILLVAL	CDF_EPOCH	31-Dec-9999 23:59:59.999
DISPLAY_TYPE	CDF_CHAR	time_series
MONOTON	CDF_CHAR	INCREASE
TIME_FORMAT	CDF_CHAR	sec70base
COLUMNS	CDF_CHAR	0-0

(Back to chapter 55)

55.4.2 Rec_Num, Record number

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Record number
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	2000000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	2000000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Rec_Num
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	Rec_Num, Record number
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	1-1

(Back to chapter 55)

55.4.3 Step_Num, Step number

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Step number
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	80
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	80
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Step_Num
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	Step_Num, Step number
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	2-2

(Back to chapter 55)

55.4.4 Sweep2HV, Sweep 2 High Voltage

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Sweep 2 High Voltage
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	6000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	6000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Sweep2HV
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	Sweep2HV, Sweep 2 High Voltage
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	3-3

(Back to chapter 55)

55.4.5 SFR0, STOF front and rear rates 0

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	STOF front and rear rates 0
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SFR0
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SFR0, STOF front and rear rates 0
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	4-4

(Back to chapter 55)

55.4.6 SF0, STOF front rates

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	STOF front rates
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SF0
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SF0, STOF front rates
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	5-5

(Back to chapter 55)

55.4.7 RejFS, Front rejection rates

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Front rejection rates
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	RejFS
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	RejFS, Front rejection rates
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	6-6

(Back to chapter 55)

55.4.8 RejPS, Rejection position rates

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Rejection position rates
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	RejPS
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	RejPS, Rejection position rates
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	7-7

(Back to chapter 55)

55.4.9 HHiPr2, HSTOF high priority 2 rates

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	HSTOF high priority 2 rates
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	HHiPr2
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	HHiPr2, HSTOF high priority 2 rates
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	8-8

(Back to chapter 55)

55.4.10 HLoPr2, HSTOF Low priority 2 rates

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	HSTOF Low priority 2 rates
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	HLoPr2
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	HLoPr2, HSTOF Low priority 2 rates
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	9-9

(Back to chapter 55)

55.4.11 SHiPr2, STOF High priority 2 rates

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	STOF High priority 2 rates
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SHiPr2
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SHiPr2, STOF High priority 2 rates
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	10-10

(Back to chapter 55)

55.4.12 SLoPr2, STOF Low priority 2 rates

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	STOF Low priority 2 rates
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SLoPr2
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SLoPr2, STOF Low priority 2 rates
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	11-11

(Back to chapter 55)

55.4.13 HHiPr1, HSTOF High priority 1 rates

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	HSTOF High priority 1 rates
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	HHiPr1
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	HHiPr1, HSTOF High priority 1 rates
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	12-12

(Back to chapter 55)

55.4.14 HLoPr1, HSTOF Low priority 1 rates

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	HSTOF Low priority 1 rates
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	HLoPr1
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	HLoPr1, HSTOF Low priority 1 rates
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	13-13

(Back to chapter 55)

55.4.15 SHiPr1, STOF High priority 1 rates

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	STOF High priority 1 rates
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SHiPr1
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SHiPr1, STOF High priority 1 rates
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	14-14

(Back to chapter 55)

55.4.16 SLoPr1, STOF Low priority 1 rates

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	STOF Low priority 1 rates
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SLoPr1
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SLoPr1, STOF Low priority 1 rates
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	15-15

(Back to chapter 55)

55.4.17 Stro2, Strobe 2 rates

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Strobe 2 rates
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Stro2
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	Stro2, Strobe 2 rates
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	16-16

(Back to chapter 55)

55.4.18 Stro1, Strobe 1 rates

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Strobe 1 rates
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Stro1
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	Stro1, Strobe 1 rates
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	17-17

(Back to chapter 55)

55.5 zVariables

No zVariables (Back to chapter 55)

55.6 end

section is empty (Back to chapter 55)

Chapter 56

STOF SBH LA V03

Contents

56.1 header 911
56.2 GLOBALattributes 912
56.3 VARIABLEattributes 913
56.4 variables 913
56.4.1 Epoch, Time TAI 914
56.4.2 Rec_Num, Record number 914
56.4.3 Step_Num, Step number 915
56.4.4 Sweep2HV, Sweep 2 High Voltage 915
56.4.5 SFR0, STOF front and rear rates 0 916
56.4.6 SF0, STOF front rates 916
56.4.7 RejFS, Front rejection rates 917
56.4.8 RejPS, Rejection position rates 917
56.4.9 HHiPr2, HSTOF high priority 2 rates 918
56.4.10 HLoPr2, HSTOF Low priority 2 rates 918
56.4.11 SHiPr2, STOF High priority 2 rates 919
56.4.12 SLoPr2, STOF Low priority 2 rates 919
56.4.13 HHiPr1, HSTOF High priority 1 rates 920
56.4.14 HLoPr1, HSTOF Low priority 1 rates 920
56.4.15 SHiPr1, STOF High priority 1 rates 921
56.4.16 SLoPr1, STOF Low priority 1 rates 921
56.4.17 Stro2, Strobe 2 rates 922
56.4.18 Stro1, Strobe 1 rates 922
56.5 zVariables 922
56.6 end 922

56.1 header

CDF NAME:	SO_CEL_STOF_SBH_LA_V02				
DATA ENCODING:	NETWORK				
MAJORITY:	COLUMN				
FORMAT:	SINGLE				
Variables	G.Attributes	V.Attributes	Records	Dims	Sizes
18/0	21	17	0/z	0	

(Back to chapter 56)

56.2 GLOBALattributes

TITLE	1:	CDF_CHAR	STOF SBH
Project	1:	CDF_CHAR	ISTP>International Solar-Terrestrial Physics
Discipline	1:	CDF_CHAR	Solar Physics>Solar Wind
Source_name	1:	CDF_CHAR	SO>Solar Heliospheric Observatory (SOHO)
Descriptor	1:	CDF_CHAR	CEL>Charge, Element and Isotope Analysis System (C
	2:	CDF_CHAR	ELIAS)
Detector	1:	CDF_CHAR	STOF>Suprathermal Time Of Flight
Series_name	1:	CDF_CHAR	SBH>STOF High Basic Rate
Data_type	1:	CDF_CHAR	LA>Level ASCII
Logical_source	1:	CDF_CHAR	SO_CEL_STOF_SBH_LA
TEXT	1:	CDF_CHAR	A description of the CELIAS instrument and
	2:	CDF_CHAR	scientific scope can be found on WWW
	3:	CDF_CHAR	at https://www.ieap.uni-kiel.de/et/soho/celias/
	4:	CDF_CHAR	or on the SOHO homepage at
	5:	CDF_CHAR	http://sohowww.nascom.nasa.gov/.
	6:	CDF_CHAR	A written description of CELIAS
	7:	CDF_CHAR	will appear in the special issue of
	8:	CDF_CHAR	Solar Physics dedicated to SOHO.
Data_version	1:	CDF_CHAR	01
MODS	1:	CDF_CHAR	<cwrap!actual_date>
skeleton_version	1:	CDF_CHAR	01
software_version	1:	CDF_CHAR	<cwrap!cwrap_version>
ADID_ref	1:	CDF_CHAR	NSSD0195
PI_name	1:	CDF_CHAR	Robert F. Wimmer-Schweingruber
PI_affiliation	1:	CDF_CHAR	Institut fuer Experimentelle und Angewandte Physik,
	2:	CDF_CHAR	Christian Albrechts Universitaet Kiel,
	3:	CDF_CHAR	Leibnizstr 11,
	4:	CDF_CHAR	24118 Kiel, Germany
Mission_group	1:	CDF_CHAR	SOHO
Instrument_type	1:	CDF_CHAR	Particles (space)
TEXT_supplement	1:	CDF_CHAR	STOF basic rates (high time resolution?)
TEXT_FOR_UOB	1:	CDF_CHAR	weygand redone after hilchenbach crash

(Back to chapter 56)

56.3 VARIABLEattributes

FIELDNAM	
VALIDMIN	
VALIDMAX	
SCALETYP	
SCALEMIN	
SCALEMAX	
UNITS	
LABLAXIS	
FORMAT	
DEPEND_0	
!	DEPEND_1
!	DEPEND_2
!	DEPEND_3
!	DEPEND_4
!	DEPEND_5
MONOTON	
VAR_TYPE	
FILLVAL	
DISPLAY_TYPE	
CATDESC	
COLUMNS	
TIME_FORMAT	

(Back to chapter 56)

56.4 variables

Variable Name	Data Type	Number Elements	Record Variance	Dimension Variances
Epoch	CDF_EPOCH	1	T	
Rec_Num	CDF_INT4	1	T	
Step_Num	CDF_UINT1	1	T	
Sweep2HV	CDF_FLOAT	1	T	
SFR0	CDF_FLOAT	1	T	
SF0	CDF_FLOAT	1	T	
RejFS	CDF_FLOAT	1	T	
RejPS	CDF_FLOAT	1	T	
HHiPr2	CDF_FLOAT	1	T	
HLoPr2	CDF_FLOAT	1	T	
SHiPr2	CDF_FLOAT	1	T	
SLoPr2	CDF_FLOAT	1	T	
HHiPr1	CDF_FLOAT	1	T	
HLoPr1	CDF_FLOAT	1	T	
SHiPr1	CDF_FLOAT	1	T	
SLoPr1	CDF_FLOAT	1	T	
Stro2	CDF_FLOAT	1	T	
Stro1	CDF_FLOAT	1	T	

(Back to chapter 56)

56.4.1 Epoch, Time TAI

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Time TAI
VALIDMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
VALIDMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALEMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
SCALEMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Epoch
UNITS	CDF_CHAR	ms
VAR_TYPE	CDF_CHAR	support_data
CATDESC	CDF_CHAR	Epoch, Time TAI
FILLVAL	CDF_EPOCH	31-Dec-9999 23:59:59.999
DISPLAY_TYPE	CDF_CHAR	time_series
MONOTON	CDF_CHAR	INCREASE
TIME_FORMAT	CDF_CHAR	sec70base
COLUMNS	CDF_CHAR	0-0

(Back to chapter 56)

56.4.2 Rec_Num, Record number

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Record number
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	2000000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	2000000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Rec_Num
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	Rec_Num, Record number
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	1-1

(Back to chapter 56)

56.4.3 Step_Num, Step number

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Step number
VALIDMIN	CDF_UINT1	0
VALIDMAX	CDF_UINT1	80
SCALEMIN	CDF_UINT1	0
SCALEMAX	CDF_UINT1	80
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Step_Num
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	Step_Num, Step number
FILLVAL	CDF_UINT1	255
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	2-2

(Back to chapter 56)

56.4.4 Sweep2HV, Sweep 2 High Voltage

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Sweep 2 High Voltage
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	6000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	6000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Sweep2HV
UNITS	CDF_CHAR	V
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	Sweep2HV, Sweep 2 High Voltage
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F4.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	3-3

(Back to chapter 56)

56.4.5 SFR0, STOF front and rear rates 0

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	STOF front and rear rates 0
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SFR0
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SFR0, STOF front and rear rates 0
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	4-4

(Back to chapter 56)

56.4.6 SF0, STOF front rates

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	STOF front rates
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SF0
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SF0, STOF front rates
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	5-5

(Back to chapter 56)

56.4.7 RejFS, Front rejection rates

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Front rejection rates
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	RejFS
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	RejFS, Front rejection rates
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	6-6

(Back to chapter 56)

56.4.8 RejPS, Rejection position rates

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Rejection position rates
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	RejPS
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	RejPS, Rejection position rates
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	7-7

(Back to chapter 56)

56.4.9 HHiPr2, HSTOF high priority 2 rates

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	HSTOF high priority 2 rates
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	HHiPr2
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	HHiPr2, HSTOF high priority 2 rates
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	8-8

(Back to chapter 56)

56.4.10 HLoPr2, HSTOF Low priority 2 rates

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	HSTOF Low priority 2 rates
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	HLoPr2
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	HLoPr2, HSTOF Low priority 2 rates
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	9-9

(Back to chapter 56)

56.4.11 SHiPr2, STOF High priority 2 rates

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	STOF High priority 2 rates
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SHiPr2
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SHiPr2, STOF High priority 2 rates
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	10-10

(Back to chapter 56)

56.4.12 SLoPr2, STOF Low priority 2 rates

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	STOF Low priority 2 rates
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SLoPr2
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SLoPr2, STOF Low priority 2 rates
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	11-11

(Back to chapter 56)

56.4.13 HHiPr1, HSTOF High priority 1 rates

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	HSTOF High priority 1 rates
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	HHiPr1
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	HHiPr1, HSTOF High priority 1 rates
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	12-12

(Back to chapter 56)

56.4.14 HLoPr1, HSTOF Low priority 1 rates

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	HSTOF Low priority 1 rates
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	HLoPr1
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	HLoPr1, HSTOF Low priority 1 rates
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	13-13

(Back to chapter 56)

56.4.15 SHiPr1, STOF High priority 1 rates

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	STOF High priority 1 rates
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SHiPr1
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SHiPr1, STOF High priority 1 rates
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	14-14

(Back to chapter 56)

56.4.16 SLoPr1, STOF Low priority 1 rates

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	STOF Low priority 1 rates
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SLoPr1
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SLoPr1, STOF Low priority 1 rates
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	15-15

(Back to chapter 56)

56.4.17 Stro2, Strobe 2 rates

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Strobe 2 rates
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Stro2
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	Stro2, Strobe 2 rates
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	16-16

(Back to chapter 56)

56.4.18 Stro1, Strobe 1 rates

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Strobe 1 rates
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Stro1
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	Stro1, Strobe 1 rates
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	17-17

(Back to chapter 56)

56.5 zVariables

No zVariables (Back to chapter 56)

56.6 end

section is empty (Back to chapter 56)

Chapter 57

STOF SBL L0 V03

Contents

57.1 header 924
57.2 GLOBALattributes 924
57.3 VARIABLEattributes 925
57.4 variables 926
57.4.1 Epoch, Time TAI 927
57.4.2 Rec_num, Record number 927
57.4.3 smEDB_cn, syncronized edb count 928
57.4.4 LoRes, Low resolution rate 928
57.4.5 ACSH3, Accumulator threshold 929
57.4.6 ACSH2, Accumulator threshold 929
57.4.7 H0, HSTOF threshhold rate 0 930
57.4.8 H1, HSTOF threshhold rate 1 930
57.4.9 HCrRep, HSTOF Cross rate rejection 931
57.4.10 SCrRep, STOF Cross rate rejection 931
57.4.11 MuSSD, Multi event rate solid state detector 932
57.4.12 CrPr, Cross rate 932
57.4.13 MuPFH, Multi position rate front HSTOF 933
57.4.14 MuPFS, Multi position rate front STOF 933
57.4.15 LHLSO, Threshhold LHSO 934
57.4.16 LHLS1, Threshhold LHS1 934
57.4.17 LSO, Threshhold rate 0 935
57.4.18 LS1, Threshhold rate 1 935
57.4.19 LS2, Threshhold rate 2 936
57.4.20 LS3, Threshhold rate 3 936
57.4.21 PRH, psotion rate HSTOF rear 937
57.4.22 PRS, psotion rate STOF rear 937
57.4.23 PFH1, postion rate HSTOF rear 1 938
57.4.24 PFH2, postion rate HSTOF rear 2 938
57.4.25 PFH3, postion rate HSTOF rear 3 939
57.4.26 PFH4, postion rate HSTOF rear 4 939
57.4.27 PFS1, postion rate STOF rear 1 940
57.4.28 PFS2, postion rate STOF rear 2 940
57.4.29 PFS3, postion rate STOF rear 3 941
57.4.30 PFS4, postion rate STOF rear 4 941
57.5 zVariables 941
57.6 end 941

57.1 header

CDF NAME:	SO_CEL_STOF_SBL_L0_V03				
DATA ENCODING:	NETWORK				
MAJORITY:	COLUMN				
FORMAT:	SINGLE				
Variables	G.Attributes	V.Attributes	Records	Dims	Sizes
30/0	21	17	0/z	0	

(Back to chapter 57)

57.2 GLOBALattributes

TITLE	1:	CDF_CHAR	STOF SBL
Project	1:	CDF_CHAR	ISTP>International Solar-Terrestrial Physics
Discipline	1:	CDF_CHAR	Solar Physics>Solar Wind
Source_name	1:	CDF_CHAR	SO>Solar Heliospheric Observatory (SOHO)
Descriptor	1:	CDF_CHAR	CEL>Charge, Element and Isotope Analysis System (C
	2:	CDF_CHAR	ELIAS)
Detector	1:	CDF_CHAR	STOF>Suprathermal Time Of Flight
Series_name	1:	CDF_CHAR	SBL>STOF Low Basic Rate
Data_type	1:	CDF_CHAR	L0>Level 0
Logical_source	1:	CDF_CHAR	SO_CEL_STOF_SBL_L0
TEXT	1:	CDF_CHAR	A description of the CELIAS instrument and
	2:	CDF_CHAR	scientific scope can be found on WWW
	3:	CDF_CHAR	at https://www.ieap.uni-kiel.de/et/soho/celias/
	4:	CDF_CHAR	or on the SOHO homepage at
	5:	CDF_CHAR	http://sohowww.nascom.nasa.gov/.
	6:	CDF_CHAR	A written description of CELIAS
	7:	CDF_CHAR	will appear in the special issue of
	8:	CDF_CHAR	Solar Physics dedicated to SOHO.
Data_version	1:	CDF_CHAR	01
MODS	1:	CDF_CHAR	<cwrap!actual_date>
skeleton_version	1:	CDF_CHAR	01
software_version	1:	CDF_CHAR	<cwrap!cwrap_version>
ADID_ref	1:	CDF_CHAR	NSSD0195
PI_name	1:	CDF_CHAR	Robert F. Wimmer-Schweingruber
PI_affiliation	1:	CDF_CHAR	Institut fuer Experimentelle und Angewandte Physik,
	2:	CDF_CHAR	Christian Albrechts Universitaet Kiel,
	3:	CDF_CHAR	Leibnizstr 11,
	4:	CDF_CHAR	24118 Kiel, Germany
Mission_group	1:	CDF_CHAR	SOHO
Instrument_type	1:	CDF_CHAR	Particles (space)
TEXT_supplement	1:	CDF_CHAR	STOF rates
TEXT_FOR_UOB	1:	CDF_CHAR	Hilchenbach and weygand

(Back to chapter 57)

57.3 VARIABLEattributes

FIELDNAM	
VALIDMIN	
VALIDMAX	
SCALETYP	
SCALEMIN	
SCALEMAX	
UNITS	
LABLAXIS	
FORMAT	
DEPEND_0	
!	DEPEND_1
!	DEPEND_2
!	DEPEND_3
!	DEPEND_4
!	DEPEND_5
MONOTON	
VAR_TYPE	
FILLVAL	
DISPLAY_TYPE	
CATDESC	
COLUMNS	
TIME_FORMAT	

(Back to chapter 57)

57.4 variables

Variable Name	Data Type	Number Elements	Record Variance	Dimension Variances
Epoch	CDF_EPOCH	1	T	
Rec_num	CDF_INT4	1	T	
smEDB_cnt	CDF_INT4	1	T	
LoRes	CDF_FLOAT	1	T	
ACSH3	CDF_FLOAT	1	T	
ACSH2	CDF_FLOAT	1	T	
H0	CDF_FLOAT	1	T	
H1	CDF_FLOAT	1	T	
HCrRep	CDF_FLOAT	1	T	
SCrRep	CDF_FLOAT	1	T	
MuSSD	CDF_FLOAT	1	T	
CrPr	CDF_FLOAT	1	T	
MuPFH	CDF_FLOAT	1	T	
MuPFS	CDF_FLOAT	1	T	
LHLSO	CDF_FLOAT	1	T	
LHLS1	CDF_FLOAT	1	T	
LSO	CDF_FLOAT	1	T	
LS1	CDF_FLOAT	1	T	
LS2	CDF_FLOAT	1	T	
LS3	CDF_FLOAT	1	T	
PRH	CDF_FLOAT	1	T	
PRS	CDF_FLOAT	1	T	
PFH1	CDF_FLOAT	1	T	
PFH2	CDF_FLOAT	1	T	
PFH3	CDF_FLOAT	1	T	
PFH4	CDF_FLOAT	1	T	
PFS1	CDF_FLOAT	1	T	
PFS2	CDF_FLOAT	1	T	
PFS3	CDF_FLOAT	1	T	
PFS4	CDF_FLOAT	1	T	

(Back to chapter 57)

57.4.1 Epoch, Time TAI

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Time TAI
VALIDMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
VALIDMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALEMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
SCALEMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Epoch
UNITS	CDF_CHAR	ms
VAR_TYPE	CDF_CHAR	support_data
CATDESC	CDF_CHAR	Epoch, Time TAI
FILLVAL	CDF_EPOCH	31-Dec-9999 23:59:59.999
DISPLAY_TYPE	CDF_CHAR	time_series
MONOTON	CDF_CHAR	INCREASE
TIME_FORMAT	CDF_CHAR	sec70base
COLUMNS	CDF_CHAR	0-0

(Back to chapter 57)

57.4.2 Rec_num, Record number

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Record number
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	1000000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	1000000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Rec_num
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	Rec_num, Record number
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	1-1

(Back to chapter 57)

57.4.3 smEDB_cn, syncronized edb count

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	syncronized edb count
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	2000000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	2000000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	smEDB_cn
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	smEDB_cn, syncronized edb count
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	2-2

(Back to chapter 57)

57.4.4 LoRes, Low resolution rate

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Low resolution rate
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	LoRes
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	LoRes, Low resolution rate
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F8.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	3-3

(Back to chapter 57)

57.4.5 ACSH3, Accumulator threshold

Attribute Name	Data Type	Value	
FIELDNAM	CDF_CHAR	Accumulator threshold	rate 3
VALIDMIN	CDF_FLOAT	0	
VALIDMAX	CDF_FLOAT	1000000	
SCALEMIN	CDF_FLOAT	0	
SCALEMAX	CDF_FLOAT	1000000	
SCALETYP	CDF_CHAR	linear	
LABLAXIS	CDF_CHAR	ACSH3	
UNITS	CDF_CHAR	Hz	
VAR_TYPE	CDF_CHAR	data	
CATDESC	CDF_CHAR	ACSH3, Accumulator threshold	rate 3
FILLVAL	CDF_FLOAT	-1e37	
DISPLAY_TYPE	CDF_CHAR	time_series	
FORMAT	CDF_CHAR	F8.1	
DEPEND_0	CDF_CHAR	Epoch	
COLUMNS	CDF_CHAR	4-4	

(Back to chapter 57)

57.4.6 ACSH2, Accumulator threshold

Attribute Name	Data Type	Value	
FIELDNAM	CDF_CHAR	Accumulator threshold	rate 2
VALIDMIN	CDF_FLOAT	0	
VALIDMAX	CDF_FLOAT	1000000	
SCALEMIN	CDF_FLOAT	0	
SCALEMAX	CDF_FLOAT	1000000	
SCALETYP	CDF_CHAR	linear	
LABLAXIS	CDF_CHAR	ACSH2	
UNITS	CDF_CHAR	Hz	
VAR_TYPE	CDF_CHAR	data	
CATDESC	CDF_CHAR	ACSH2, Accumulator threshold	rate 2
FILLVAL	CDF_FLOAT	-1e37	
DISPLAY_TYPE	CDF_CHAR	time_series	
FORMAT	CDF_CHAR	F8.1	
DEPEND_0	CDF_CHAR	Epoch	
COLUMNS	CDF_CHAR	5-5	

(Back to chapter 57)

57.4.7 H0, HSTOF threshhold rate 0

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	HSTOF threshhold rate 0
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	H0
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	H0, HSTOF threshhold rate 0
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F8.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	6-6

(Back to chapter 57)

57.4.8 H1, HSTOF threshhold rate 1

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	HSTOF threshhold rate 1
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	H1
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	H1, HSTOF threshhold rate 1
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F8.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	7-7

(Back to chapter 57)

57.4.9 HCrRep, HSTOF Cross rate rejection

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	HSTOF Cross rate rejection
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	HCrRep
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	HCrRep, HSTOF Cross rate rejection
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F8.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	8-8

(Back to chapter 57)

57.4.10 SCrRep, STOF Cross rate rejection

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	STOF Cross rate rejection
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SCrRep
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SCrRep, STOF Cross rate rejection
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F8.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	9-9

(Back to chapter 57)

57.4.11 MuSSD, Multi event rate solid state detector

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Multi event rate solid state detector
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MuSSD
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MuSSD, Multi event rate solid state detector
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F8.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	10-10

(Back to chapter 57)

57.4.12 CrPr, Cross rate

Attribute Name	Data Type	Value	
FIELDNAM	CDF_CHAR	Cross rate	rear position
VALIDMIN	CDF_FLOAT	0	
VALIDMAX	CDF_FLOAT	1000000	
SCALEMIN	CDF_FLOAT	0	
SCALEMAX	CDF_FLOAT	1000000	
SCALETYP	CDF_CHAR	linear	
LABLAXIS	CDF_CHAR	CrPr	
UNITS	CDF_CHAR	Hz	
VAR_TYPE	CDF_CHAR	data	
CATDESC	CDF_CHAR	CrPr, Cross rate	rear position
FILLVAL	CDF_FLOAT	-1e37	
DISPLAY_TYPE	CDF_CHAR	time_series	
FORMAT	CDF_CHAR	F8.1	
DEPEND_0	CDF_CHAR	Epoch	
COLUMNS	CDF_CHAR	11-11	

(Back to chapter 57)

57.4.13 MuPFH, Multi position rate front HSTOF

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Multi position rate front HSTOF
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MuPFH
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MuPFH, Multi position rate front HSTOF
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F8.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	12-12

(Back to chapter 57)

57.4.14 MuPFS, Multi position rate front STOF

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Multi position rate front STOF
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MuPFS
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MuPFS, Multi position rate front STOF
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F8.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	13-13

(Back to chapter 57)

57.4.15 LHLSO, Threshhold LHSO

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Threshhold LHSO
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	LHLSO
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	LHLSO, Threshhold LHSO
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F8.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	14-14

(Back to chapter 57)

57.4.16 LHLS1, Threshhold LHS1

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Threshhold LHS1
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	LHLS1
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	LHLS1, Threshhold LHS1
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F8.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	15-15

(Back to chapter 57)

57.4.17 LSO, Threshhold rate 0

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Threshhold rate 0
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	LSO
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	LSO, Threshhold rate 0
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F8.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	16-16

(Back to chapter 57)

57.4.18 LS1, Threshhold rate 1

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Threshhold rate 1
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	LS1
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	LS1, Threshhold rate 1
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F8.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	17-17

(Back to chapter 57)

57.4.19 LS2, Threshhold rate 2

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Threshhold rate 2
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	LS2
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	LS2, Threshhold rate 2
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F8.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	18-18

(Back to chapter 57)

57.4.20 LS3, Threshhold rate 3

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Threshhold rate 3
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	LS3
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	LS3, Threshhold rate 3
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F8.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	19-19

(Back to chapter 57)

57.4.21 PRH, psotion rate HSTOF rear

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	psotion rate HSTOF rear
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PRH
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PRH, psotion rate HSTOF rear
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F8.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	20-20

(Back to chapter 57)

57.4.22 PRS, psotion rate STOF rear

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	psotion rate STOF rear
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PRS
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PRS, psotion rate STOF rear
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F8.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	21-21

(Back to chapter 57)

57.4.23 PFH1, postion rate HSTOF rear 1

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	postion rate HSTOF rear 1
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PFH1
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PFH1, postion rate HSTOF rear 1
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F8.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	22-22

(Back to chapter 57)

57.4.24 PFH2, postion rate HSTOF rear 2

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	postion rate HSTOF rear 2
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PFH2
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PFH2, postion rate HSTOF rear 2
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F8.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	23-23

(Back to chapter 57)

57.4.25 PFH3, postion rate HSTOF rear 3

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	postion rate HSTOF rear 3
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PFH3
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PFH3, postion rate HSTOF rear 3
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F8.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	24-24

(Back to chapter 57)

57.4.26 PFH4, postion rate HSTOF rear 4

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	postion rate HSTOF rear 4
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PFH4
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PFH4, postion rate HSTOF rear 4
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F8.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	25-25

(Back to chapter 57)

57.4.27 PFS1, postion rate STOF rear 1

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	postion rate STOF rear 1
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PFS1
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PFS1, postion rate STOF rear 1
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F8.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	26-26

(Back to chapter 57)

57.4.28 PFS2, postion rate STOF rear 2

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	postion rate STOF rear 2
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PFS2
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PFS2, postion rate STOF rear 2
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F8.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	27-27

(Back to chapter 57)

57.4.29 PFS3, postion rate STOF rear 3

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	postion rate STOF rear 3
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PFS3
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PFS3, postion rate STOF rear 3
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F8.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	28-28

(Back to chapter 57)

57.4.30 PFS4, postion rate STOF rear 4

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	postion rate STOF rear 4
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PFS4
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PFS4, postion rate STOF rear 4
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F8.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	29-29

(Back to chapter 57)

57.5 zVariables

No zVariables (Back to chapter 57)

57.6 end

!# server>	client terminated data transfer at 20000204.152027
!# server>	eof cw-2000-034.009.skt

(Back to chapter 57)

Chapter 58

STOF SBL LA V03

Contents

58.1 header 944
58.2 GLOBALattributes 944
58.3 VARIABLEattributes 945
58.4 variables 946
58.4.1 Epoch, Time TAI 947
58.4.2 Rec_num, Record number 947
58.4.3 smEDB_cn, syncronized edb count 948
58.4.4 LoRes, Low resolution rate 948
58.4.5 ACSH3, Accumulator threshold 949
58.4.6 ACSH2, Accumulator threshold 949
58.4.7 H0, HSTOF threshhold rate 0 950
58.4.8 H1, HSTOF threshhold rate 1 950
58.4.9 HCrRep, HSTOF Cross rate rejection 951
58.4.10 SCrRep, STOF Cross rate rejection 951
58.4.11 MuSSD, Multi event rate solid state detector 952
58.4.12 CrPr, Cross rate 952
58.4.13 MuPFH, Multi position rate front HSTOF 953
58.4.14 MuPFS, Multi position rate front STOF 953
58.4.15 LHLSO, Threshhold LHSO 954
58.4.16 LHLS1, Threshhold LHS1 954
58.4.17 LSO, Threshhold rate 0 955
58.4.18 LS1, Threshhold rate 1 955
58.4.19 LS2, Threshhold rate 2 956
58.4.20 LS3, Threshhold rate 3 956
58.4.21 PRH, psotion rate HSTOF rear 957
58.4.22 PRS, psotion rate STOF rear 957
58.4.23 PFH1, postion rate HSTOF rear 1 958
58.4.24 PFH2, postion rate HSTOF rear 2 958
58.4.25 PFH3, postion rate HSTOF rear 3 959
58.4.26 PFH4, postion rate HSTOF rear 4 959
58.4.27 PFS1, postion rate STOF rear 1 960
58.4.28 PFS2, postion rate STOF rear 2 960
58.4.29 PFS3, postion rate STOF rear 3 961
58.4.30 PFS4, postion rate STOF rear 4 961
58.5 zVariables 961
58.6 end 961

58.1 header

CDF NAME:	SO_CEL_STOF_SBL_LA_V02				
DATA ENCODING:	NETWORK				
MAJORITY:	COLUMN				
FORMAT:	SINGLE				
Variables	G.Attributes	V.Attributes	Records	Dims	Sizes
30/0	21	17	0/z	0	

(Back to chapter 58)

58.2 GLOBALattributes

TITLE	1:	CDF_CHAR	STOF SBL
Project	1:	CDF_CHAR	ISTP>International Solar-Terrestrial Physics
Discipline	1:	CDF_CHAR	Solar Physics>Solar Wind
Source_name	1:	CDF_CHAR	SO>Solar Heliospheric Observatory (SOHO)
Descriptor	1:	CDF_CHAR	CEL>Charge, Element and Isotope Analysis System (C
	2:	CDF_CHAR	ELIAS)
Detector	1:	CDF_CHAR	STOF>Suprathermal Time Of Flight
Series_name	1:	CDF_CHAR	SBL>STOF Low Basic Rate
Data_type	1:	CDF_CHAR	LA>Level ASCII
Logical_source	1:	CDF_CHAR	SO_CEL_STOF_SBL_LA
TEXT	1:	CDF_CHAR	A description of the CELIAS instrument and
	2:	CDF_CHAR	scientific scope can be found on WWW
	3:	CDF_CHAR	at https://www.ieap.uni-kiel.de/et/soho/celias/
	4:	CDF_CHAR	or on the SOHO homepage at
	5:	CDF_CHAR	http://sohowww.nascom.nasa.gov/.
	6:	CDF_CHAR	A written description of CELIAS
	7:	CDF_CHAR	will appear in the special issue of
	8:	CDF_CHAR	Solar Physics dedicated to SOHO.
Data_version	1:	CDF_CHAR	01
MODS	1:	CDF_CHAR	<cwrap!actual_date>
skeleton_version	1:	CDF_CHAR	01
software_version	1:	CDF_CHAR	<cwrap!cwrap_version>
ADID_ref	1:	CDF_CHAR	NSSD0195
PI_name	1:	CDF_CHAR	Robert F. Wimmer-Schweingruber
PI_affiliation	1:	CDF_CHAR	Institut fuer Experimentelle und Angewandte Physik,
	2:	CDF_CHAR	Christian Albrechts Universitaet Kiel,
	3:	CDF_CHAR	Leibnizstr 11,
	4:	CDF_CHAR	24118 Kiel, Germany
Mission_group	1:	CDF_CHAR	SOHO
Instrument_type	1:	CDF_CHAR	Particles (space)
TEXT_supplement	1:	CDF_CHAR	STOF rates
TEXT_FOR_UOB	1:	CDF_CHAR	Hilchenbach and weygand

(Back to chapter 58)

58.3 VARIABLEattributes

FIELDNAM	
VALIDMIN	
VALIDMAX	
SCALETYP	
SCALEMIN	
SCALEMAX	
UNITS	
LABLAXIS	
FORMAT	
DEPEND_0	
!	DEPEND_1
!	DEPEND_2
!	DEPEND_3
!	DEPEND_4
!	DEPEND_5
MONOTON	
VAR_TYPE	
FILLVAL	
DISPLAY_TYPE	
CATDESC	
COLUMNS	
TIME_FORMAT	

(Back to chapter 58)

58.4 variables

Variable Name	Data Type	Number Elements	Record Variance	Dimension Variances
Epoch	CDF_EPOCH	1	T	
Rec_num	CDF_INT4	1	T	
smEDB_cnt	CDF_INT4	1	T	
LoRes	CDF_FLOAT	1	T	
ACSH3	CDF_FLOAT	1	T	
ACSH2	CDF_FLOAT	1	T	
H0	CDF_FLOAT	1	T	
H1	CDF_FLOAT	1	T	
HCrRep	CDF_FLOAT	1	T	
SCrRep	CDF_FLOAT	1	T	
MuSSD	CDF_FLOAT	1	T	
CrPr	CDF_FLOAT	1	T	
MuPFH	CDF_FLOAT	1	T	
MuPFS	CDF_FLOAT	1	T	
LHLSO	CDF_FLOAT	1	T	
LHLS1	CDF_FLOAT	1	T	
LSO	CDF_FLOAT	1	T	
LS1	CDF_FLOAT	1	T	
LS2	CDF_FLOAT	1	T	
LS3	CDF_FLOAT	1	T	
PRH	CDF_FLOAT	1	T	
PRS	CDF_FLOAT	1	T	
PFH1	CDF_FLOAT	1	T	
PFH2	CDF_FLOAT	1	T	
PFH3	CDF_FLOAT	1	T	
PFH4	CDF_FLOAT	1	T	
PFS1	CDF_FLOAT	1	T	
PFS2	CDF_FLOAT	1	T	
PFS3	CDF_FLOAT	1	T	
PFS4	CDF_FLOAT	1	T	

(Back to chapter 58)

58.4.1 Epoch, Time TAI

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Time TAI
VALIDMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
VALIDMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALEMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
SCALEMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Epoch
UNITS	CDF_CHAR	ms
VAR_TYPE	CDF_CHAR	support_data
CATDESC	CDF_CHAR	Epoch, Time TAI
FILLVAL	CDF_EPOCH	31-Dec-9999 23:59:59.999
DISPLAY_TYPE	CDF_CHAR	time_series
MONOTON	CDF_CHAR	INCREASE
TIME_FORMAT	CDF_CHAR	sec70base
COLUMNS	CDF_CHAR	0-0

(Back to chapter 58)

58.4.2 Rec_num, Record number

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Record number
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	1000000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	1000000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Rec_num
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	Rec_num, Record number
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	1-1

(Back to chapter 58)

58.4.3 smEDB_cn, syncronized edb count

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	syncronized edb count
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	2000000000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	2000000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	smEDB_cn
UNITS	CDF_CHAR	-
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	smEDB_cn, syncronized edb count
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	2-2

(Back to chapter 58)

58.4.4 LoRes, Low resolution rate

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Low resolution rate
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	LoRes
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	LoRes, Low resolution rate
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F8.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	3-3

(Back to chapter 58)

58.4.5 ACSH3, Accumulator threshold

Attribute Name	Data Type	Value	
FIELDNAM	CDF_CHAR	Accumulator threshold	rate 3
VALIDMIN	CDF_FLOAT	0	
VALIDMAX	CDF_FLOAT	1000000	
SCALEMIN	CDF_FLOAT	0	
SCALEMAX	CDF_FLOAT	1000000	
SCALETYP	CDF_CHAR	linear	
LABLAXIS	CDF_CHAR	ACSH3	
UNITS	CDF_CHAR	Hz	
VAR_TYPE	CDF_CHAR	data	
CATDESC	CDF_CHAR	ACSH3, Accumulator threshold	rate 3
FILLVAL	CDF_FLOAT	-1e37	
DISPLAY_TYPE	CDF_CHAR	time_series	
FORMAT	CDF_CHAR	F8.1	
DEPEND_0	CDF_CHAR	Epoch	
COLUMNS	CDF_CHAR	4-4	

(Back to chapter 58)

58.4.6 ACSH2, Accumulator threshold

Attribute Name	Data Type	Value	
FIELDNAM	CDF_CHAR	Accumulator threshold	rate 2
VALIDMIN	CDF_FLOAT	0	
VALIDMAX	CDF_FLOAT	1000000	
SCALEMIN	CDF_FLOAT	0	
SCALEMAX	CDF_FLOAT	1000000	
SCALETYP	CDF_CHAR	linear	
LABLAXIS	CDF_CHAR	ACSH2	
UNITS	CDF_CHAR	Hz	
VAR_TYPE	CDF_CHAR	data	
CATDESC	CDF_CHAR	ACSH2, Accumulator threshold	rate 2
FILLVAL	CDF_FLOAT	-1e37	
DISPLAY_TYPE	CDF_CHAR	time_series	
FORMAT	CDF_CHAR	F8.1	
DEPEND_0	CDF_CHAR	Epoch	
COLUMNS	CDF_CHAR	5-5	

(Back to chapter 58)

58.4.7 H0, HSTOF threshhold rate 0

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	HSTOF threshhold rate 0
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	H0
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	H0, HSTOF threshhold rate 0
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F8.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	6-6

(Back to chapter 58)

58.4.8 H1, HSTOF threshhold rate 1

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	HSTOF threshhold rate 1
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	H1
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	H1, HSTOF threshhold rate 1
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F8.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	7-7

(Back to chapter 58)

58.4.9 HCrRep, HSTOF Cross rate rejection

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	HSTOF Cross rate rejection
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	HCrRep
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	HCrRep, HSTOF Cross rate rejection
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F8.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	8-8

(Back to chapter 58)

58.4.10 SCrRep, STOF Cross rate rejection

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	STOF Cross rate rejection
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	SCrRep
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	SCrRep, STOF Cross rate rejection
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F8.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	9-9

(Back to chapter 58)

58.4.11 MuSSD, Multi event rate solid state detector

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Multi event rate solid state detector
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MuSSD
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MuSSD, Multi event rate solid state detector
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F8.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	10-10

(Back to chapter 58)

58.4.12 CrPr, Cross rate

Attribute Name	Data Type	Value	
FIELDNAM	CDF_CHAR	Cross rate	rear position
VALIDMIN	CDF_FLOAT	0	
VALIDMAX	CDF_FLOAT	1000000	
SCALEMIN	CDF_FLOAT	0	
SCALEMAX	CDF_FLOAT	1000000	
SCALETYP	CDF_CHAR	linear	
LABLAXIS	CDF_CHAR	CrPr	
UNITS	CDF_CHAR	Hz	
VAR_TYPE	CDF_CHAR	data	
CATDESC	CDF_CHAR	CrPr, Cross rate	rear position
FILLVAL	CDF_FLOAT	-1e37	
DISPLAY_TYPE	CDF_CHAR	time_series	
FORMAT	CDF_CHAR	F8.1	
DEPEND_0	CDF_CHAR	Epoch	
COLUMNS	CDF_CHAR	11-11	

(Back to chapter 58)

58.4.13 MuPFH, Multi position rate front HSTOF

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Multi position rate front HSTOF
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MuPFH
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MuPFH, Multi position rate front HSTOF
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F8.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	12-12

(Back to chapter 58)

58.4.14 MuPFS, Multi position rate front STOF

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Multi position rate front STOF
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	MuPFS
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	MuPFS, Multi position rate front STOF
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F8.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	13-13

(Back to chapter 58)

58.4.15 LHLSO, Threshhold LHSO

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Threshhold LHSO
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	LHLSO
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	LHLSO, Threshhold LHSO
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F8.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	14-14

(Back to chapter 58)

58.4.16 LHLS1, Threshhold LHS1

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Threshhold LHS1
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	LHLS1
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	LHLS1, Threshhold LHS1
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F8.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	15-15

(Back to chapter 58)

58.4.17 LSO, Threshhold rate 0

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Threshhold rate 0
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	LSO
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	LSO, Threshhold rate 0
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F8.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	16-16

(Back to chapter 58)

58.4.18 LS1, Threshhold rate 1

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Threshhold rate 1
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	LS1
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	LS1, Threshhold rate 1
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F8.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	17-17

(Back to chapter 58)

58.4.19 LS2, Threshhold rate 2

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Threshhold rate 2
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	LS2
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	LS2, Threshhold rate 2
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F8.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	18-18

(Back to chapter 58)

58.4.20 LS3, Threshhold rate 3

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Threshhold rate 3
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	LS3
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	LS3, Threshhold rate 3
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F8.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	19-19

(Back to chapter 58)

58.4.21 PRH, psotion rate HSTOF rear

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	psotion rate HSTOF rear
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PRH
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PRH, psotion rate HSTOF rear
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F8.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	20-20

(Back to chapter 58)

58.4.22 PRS, psotion rate STOF rear

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	psotion rate STOF rear
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PRS
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PRS, psotion rate STOF rear
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F8.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	21-21

(Back to chapter 58)

58.4.23 PFH1, postion rate HSTOF rear 1

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	postion rate HSTOF rear 1
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PFH1
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PFH1, postion rate HSTOF rear 1
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F8.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	22-22

(Back to chapter 58)

58.4.24 PFH2, postion rate HSTOF rear 2

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	postion rate HSTOF rear 2
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PFH2
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PFH2, postion rate HSTOF rear 2
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F8.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	23-23

(Back to chapter 58)

58.4.25 PFH3, postion rate HSTOF rear 3

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	postion rate HSTOF rear 3
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PFH3
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PFH3, postion rate HSTOF rear 3
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F8.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	24-24

(Back to chapter 58)

58.4.26 PFH4, postion rate HSTOF rear 4

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	postion rate HSTOF rear 4
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PFH4
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PFH4, postion rate HSTOF rear 4
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F8.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	25-25

(Back to chapter 58)

58.4.27 PFS1, postion rate STOF rear 1

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	postion rate STOF rear 1
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PFS1
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PFS1, postion rate STOF rear 1
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F8.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	26-26

(Back to chapter 58)

58.4.28 PFS2, postion rate STOF rear 2

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	postion rate STOF rear 2
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PFS2
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PFS2, postion rate STOF rear 2
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F8.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	27-27

(Back to chapter 58)

58.4.29 PFS3, postion rate STOF rear 3

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	postion rate STOF rear 3
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PFS3
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PFS3, postion rate STOF rear 3
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F8.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	28-28

(Back to chapter 58)

58.4.30 PFS4, postion rate STOF rear 4

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	postion rate STOF rear 4
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	PFS4
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	PFS4, postion rate STOF rear 4
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F8.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	29-29

(Back to chapter 58)

58.5 zVariables

No zVariables (Back to chapter 58)

58.6 end

!# server>	client terminated data transfer at 20000204.152027
!# server>	eof cw-2000-034.009.skt

(Back to chapter 58)

Chapter 59

STOF SEM L0 V03

Contents

59.1 header 963

59.2 GLOBALattributes 964

59.3 VARIABLEattributes 965

59.4 variables 965

59.4.1 Epoch, Time TAI 966

59.4.2 EUV1, EUV rate left 966

59.4.3 EUV2, EUV rate middle 967

59.4.4 EUV3, EUV rate right 967

59.5 zVariables 967

59.6 end 967

59.1 header

CDF NAME:	SO_CEL_STOF_SEM_L0_V03				
DATA ENCODING:	NETWORK				
MAJORITY:	COLUMN				
FORMAT:	SINGLE				
Variables	G.Attributes	V.Attributes	Records	Dims	Sizes
4/0	21	17	0/z	0	

(Back to chapter 59)

59.2 GLOBALattributes

TITLE	1:	CDF_CHAR	SEM
Project	1:	CDF_CHAR	ISTP>International Solar-Terrestrial Physics
Discipline	1:	CDF_CHAR	Solar Physics>Ultraviolet Observations
Source_name	1:	CDF_CHAR	SO>Solar Heliospheric Observatory (SOHO)
Descriptor	1:	CDF_CHAR	CEL>Charge, Element and Isotope Analysis System (C
	2:	CDF_CHAR	ELIAS)
Detector	1:	CDF_CHAR	STOF>Suprathermal Time Of Flight
Series_name	1:	CDF_CHAR	SEM>Solar EUV Monitor
Data_type	1:	CDF_CHAR	L0>Level 0
Logical_source	1:	CDF_CHAR	SO_CEL_STOF_SEM_L0
TEXT	1:	CDF_CHAR	A description of the CELIAS instrument and
	2:	CDF_CHAR	scientific scope can be found on WWW
	3:	CDF_CHAR	at https://www.ieap.uni-kiel.de/et/soho/celias/
	4:	CDF_CHAR	or on the SOHO homepage at
	5:	CDF_CHAR	http://sohowww.nascom.nasa.gov/.
	6:	CDF_CHAR	A written description of CELIAS
	7:	CDF_CHAR	will appear in the special issue of
	8:	CDF_CHAR	Solar Physics dedicated to SOHO.
Data_version	1:	CDF_CHAR	01
MODS	1:	CDF_CHAR	<cwrap!actual_date>
skeleton_version	1:	CDF_CHAR	01
software_version	1:	CDF_CHAR	<cwrap!cwrap_version>
ADID_ref	1:	CDF_CHAR	NSSD0195
PI_name	1:	CDF_CHAR	Robert F. Wimmer-Schweingruber
PI_affiliation	1:	CDF_CHAR	Institut fuer Experimentelle und Angewandte Physik,
	2:	CDF_CHAR	Christian Albrechts Universitaet Kiel,
	3:	CDF_CHAR	Leibnizstr 11,
	4:	CDF_CHAR	24118 Kiel, Germany
Mission_group	1:	CDF_CHAR	SOHO
Instrument_type	1:	CDF_CHAR	Particles (space)
TEXT_supplement	1:	CDF_CHAR	Solar Extrem Ultra Violet Monitor
TEXT_FOR_UOB	1:	CDF_CHAR	thom buchmueller 000217
	2:	CDF_CHAR	buchm@soho.unibe.ch

(Back to chapter 59)

59.3 VARIABLEattributes

FIELDNAM	
VALIDMIN	
VALIDMAX	
SCALETYP	
SCALEMIN	
SCALEMAX	
UNITS	
LABLAXIS	
FORMAT	
DEPEND_0	
!	DEPEND_1
!	DEPEND_2
!	DEPEND_3
!	DEPEND_4
!	DEPEND_5
MONOTON	
VAR_TYPE	
FILLVAL	
DISPLAY_TYPE	
CATDESC	
COLUMNS	
TIME_FORMAT	

(Back to chapter 59)

59.4 variables

Variable Name	Data Type	Number Elements	Record Variance	Dimension Variances
Epoch	CDF_EPOCH	1	T	
EUV1	CDF_FLOAT	1	T	
EUV2	CDF_FLOAT	1	T	
EUV3	CDF_FLOAT	1	T	

(Back to chapter 59)

59.4.1 Epoch, Time TAI

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Time TAI
VALIDMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
VALIDMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALEMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
SCALEMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Epoch
UNITS	CDF_CHAR	ms
VAR_TYPE	CDF_CHAR	support_data
CATDESC	CDF_CHAR	Epoch, Time TAI
FILLVAL	CDF_EPOCH	31-Dec-9999 23:59:59.999
DISPLAY_TYPE	CDF_CHAR	time_series
MONOTON	CDF_CHAR	INCREASE
TIME_FORMAT	CDF_CHAR	sec70base
COLUMNS	CDF_CHAR	0-0

(Back to chapter 59)

59.4.2 EUV1, EUV rate left

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	EUV rate left
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	50
SCALEMAX	CDF_FLOAT	500
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	EUV1
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	EUV1, EUV rate left
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F7.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	1-1

(Back to chapter 59)

59.4.3 EUV2, EUV rate middle

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	EUV rate middle
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	1000
SCALEMAX	CDF_FLOAT	10000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	EUV2
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	EUV2, EUV rate middle
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F7.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	2-2

(Back to chapter 59)

59.4.4 EUV3, EUV rate right

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	EUV rate right
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	50
SCALEMAX	CDF_FLOAT	500
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	EUV3
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	EUV3, EUV rate right
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F7.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	3-3

(Back to chapter 59)

59.5 zVariables

No zVariables (Back to chapter 59)

59.6 end

!# server>	client terminated data transfer at 20000217.101244
!# server>	eof cw-2000-047.000.skt

(Back to chapter 59)

Chapter 60

STOF SEM L1 V03

Contents

60.1 header 969
60.2 GLOBALattributes 970
60.3 VARIABLEattributes 971
60.4 variables 971
60.4.1 Julian d, Julian date 972
60.4.2 Year, year 972
60.4.3 day of y, day of year 973
60.4.4 second o, seconds of day 973
60.4.5 Ch1, photon counts for channel 1 (5 min average) 974
60.4.6 StD1, standard deviation for Ch1 974
60.4.7 Ch2, photon counts for channel 2 (5 min average) 975
60.4.8 StD2, standard deviation for Ch2 975
60.4.9 Ch3, photon counts for channel 3 (5 min average) 976
60.4.10 StD3, standard deviation for Ch3 976
60.4.11 x, SOHO spacecraft coordinate x 977
60.4.12 y, SOHO spacecraft coordinate y 977
60.4.13 z, SOHO spacecraft coordinate z 978
60.4.14 r, SOHO spacecraft distance r 978
60.4.15 R, SOHO spacecraft distance R 979
60.4.16 F1, flux 26-34nm (adjusted to 1AU) 979
60.4.17 F2, flux 0.1-50nm (adjusted to 1AU) 980
60.5 zVariables 980
60.6 end 980

60.1 header

CDF NAME:	SO_CEL_STOF_SEM_L1_V01				
DATA ENCODING:	NETWORK				
MAJORITY:	COLUMN				
FORMAT:	SINGLE				
Variables	G.Attributes	V.Attributes	Records	Dims	Sizes
14/0	21	17	0/z	0	

(Back to chapter 60)

60.2 GLOBALattributes

TITLE	1:	CDF_CHAR	SEM
Project	1:	CDF_CHAR	ISTP>International Solar-Terrestrial Physics
Discipline	1:	CDF_CHAR	Solar Physics>Ultraviolet Observations
Source_name	1:	CDF_CHAR	SO>Solar Heliospheric Observatory (SOHO)
Descriptor	1:	CDF_CHAR	CEL>Charge, Element and Isotope Analysis System (C
	2:	CDF_CHAR	ELIAS)
Detector	1:	CDF_CHAR	STOF>Suprathermal Time Of Flight
Series_name	1:	CDF_CHAR	SEM>Solar EUV Monitor
Data_type	1:	CDF_CHAR	L1>Level 1 Science Data
Logical_source	1:	CDF_CHAR	SO_CEL_STOF_SEM_L1
TEXT	1:	CDF_CHAR	A description of the CELIAS instrument and
	2:	CDF_CHAR	scientific scope can be found on WWW
	3:	CDF_CHAR	at https://www.ieap.uni-kiel.de/et/soho/celias/
	4:	CDF_CHAR	or on the SOHO homepage at
	5:	CDF_CHAR	http://sohowww.nascom.nasa.gov/.
	6:	CDF_CHAR	A written description of CELIAS
	7:	CDF_CHAR	will appear in the special issue of
	8:	CDF_CHAR	Solar Physics dedicated to SOHO.
Data_version	1:	CDF_CHAR	01
MODS	1:	CDF_CHAR	<cwrap!actual_date>
skeleton_version	1:	CDF_CHAR	01
software_version	1:	CDF_CHAR	<cwrap!cwrap_version>
ADID_ref	1:	CDF_CHAR	NSSD0195
PI_name	1:	CDF_CHAR	Peter Bochsler
PI_affiliation	1:	CDF_CHAR	Physikalisches Institut,
	2:	CDF_CHAR	Universitaet Bern,
	3:	CDF_CHAR	Sidlerstrasse 5,
	4:	CDF_CHAR	3012 Bern, Switzerland
Mission_group	1:	CDF_CHAR	SOHO
Instrument_type	1:	CDF_CHAR	Particles (space)
TEXT_supplement	1:	CDF_CHAR	SEM raw data, SOHO location data and flux adjusted
	2:	CDF_CHAR	data (26-34nm and 0.1-50nm)
TEXT_FOR_UOB	1:	CDF_CHAR	Skeleton by Thom Buchmueller

(Back to chapter 60)

60.3 VARIABLEattributes

FIELDNAM	
VALIDMIN	
VALIDMAX	
SCALETYP	
SCALEMIN	
SCALEMAX	
UNITS	
LABLAXIS	
FORMAT	
DEPEND_0	
!	DEPEND_1
!	DEPEND_2
!	DEPEND_3
!	DEPEND_4
!	DEPEND_5
MONOTON	
VAR_TYPE	
FILLVAL	
DISPLAY_TYPE	
CATDESC	
COLUMNS	
TIME_FORMAT	

(Back to chapter 60)

60.4 variables

Variable Name	Data Type	Number Elements	Record Variance	Dimension Variances
Julian date	CDF_DOUBLE	1	T	
Year	CDF_INT2	1	T	
day of year	CDF_INT2	1	T	
second of day	CDF_INT4	1	T	
Ch1	CDF_FLOAT	1	T	
StD1	CDF_FLOAT	1	T	
Ch2	CDF_FLOAT	1	T	
StD2	CDF_FLOAT	1	T	
Ch3	CDF_FLOAT	1	T	
StD3	CDF_FLOAT	1	T	
x	CDF_FLOAT	1	T	
y	CDF_FLOAT	1	T	
z	CDF_FLOAT	1	T	
r	CDF_FLOAT	1	T	
R	CDF_FLOAT	1	T	
F1	CDF_FLOAT	1	T	
F2	CDF_FLOAT	1	T	

(Back to chapter 60)

60.4.1 Julian d, Julian date

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Julian date
VALIDMIN	CDF_DOUBLE	0
VALIDMAX	CDF_DOUBLE	1e36
SCALEMIN	CDF_DOUBLE	0
SCALEMAX	CDF_DOUBLE	1e36
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Julian d
UNITS	CDF_CHAR	days
VAR_TYPE	CDF_CHAR	support_data
CATDESC	CDF_CHAR	Julian d, Julian date
FILLVAL	CDF_DOUBLE	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	E9.3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	0-0

(Back to chapter 60)

60.4.2 Year, year

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	year
VALIDMIN	CDF_INT2	1995
VALIDMAX	CDF_INT2	2020
SCALEMIN	CDF_INT2	1995
SCALEMAX	CDF_INT2	2020
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Year
UNITS	CDF_CHAR	year
VAR_TYPE	CDF_CHAR	support_data
CATDESC	CDF_CHAR	Year, year
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	1-1

(Back to chapter 60)

60.4.3 day of y, day of year

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	day of year
VALIDMIN	CDF_INT2	0
VALIDMAX	CDF_INT2	367
SCALEMIN	CDF_INT2	0
SCALEMAX	CDF_INT2	267
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	day of y
UNITS	CDF_CHAR	day
VAR_TYPE	CDF_CHAR	support_data
CATDESC	CDF_CHAR	day of y, day of year
FILLVAL	CDF_INT2	-32767
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I5
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	2-2

(Back to chapter 60)

60.4.4 second o, seconds of day

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	seconds of day
VALIDMIN	CDF_INT4	0
VALIDMAX	CDF_INT4	87000
SCALEMIN	CDF_INT4	0
SCALEMAX	CDF_INT4	87000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	second o
UNITS	CDF_CHAR	seconds
VAR_TYPE	CDF_CHAR	support_data
CATDESC	CDF_CHAR	second o, seconds of day
FILLVAL	CDF_INT4	-2147483647
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	I10
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	3-3

(Back to chapter 60)

60.4.5 Ch1, photon counts for channel 1 (5 min average)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	photon counts for channel 1 (5 min average)
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	100000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	100000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Ch1
UNITS	CDF_CHAR	photons/s
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	Ch1, photon counts for channel 1 (5 min average)
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	4-4

(Back to chapter 60)

60.4.6 StD1, standard deviation for Ch1

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	standard deviation for Ch1
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	10000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	StD1
UNITS	CDF_CHAR	photons/s
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	StD1, standard deviation for Ch1
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	E9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	5-5

(Back to chapter 60)

60.4.7 Ch2, photon counts for channel 2 (5 min average)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	photon counts for channel 2 (5 min average)
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	150000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	150000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Ch2
UNITS	CDF_CHAR	photons/s
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	Ch2, photon counts for channel 2 (5 min average)
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	6-6

(Back to chapter 60)

60.4.8 StD2, standard deviation for Ch2

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	standard deviation for Ch2
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	10000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	StD2
UNITS	CDF_CHAR	photons/s
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	StD2, standard deviation for Ch2
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	E9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	7-7

(Back to chapter 60)

60.4.9 Ch3, photon counts for channel 3 (5 min average)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	photon counts for channel 3 (5 min average)
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	100000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	100000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Ch3
UNITS	CDF_CHAR	photons/s
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	Ch3, photon counts for channel 3 (5 min average)
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.3
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	8-8

(Back to chapter 60)

60.4.10 StD3, standard deviation for Ch3

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	standard deviation for Ch3
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	10000
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	StD3
UNITS	CDF_CHAR	photons/s
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	StD3, standard deviation for Ch3
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	E9.2
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	9-9

(Back to chapter 60)

60.4.11 x, SOHO spacecraft coordinate x

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	SOHO spacecraft coordinate x
VALIDMIN	CDF_FLOAT	-2e8
VALIDMAX	CDF_FLOAT	2e8
SCALEMIN	CDF_FLOAT	-2e8
SCALEMAX	CDF_FLOAT	2e8
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	x
UNITS	CDF_CHAR	km
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	x, SOHO spacecraft coordinate x
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	E9.4
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	10-10

(Back to chapter 60)

60.4.12 y, SOHO spacecraft coordinate y

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	SOHO spacecraft coordinate y
VALIDMIN	CDF_FLOAT	-2e8
VALIDMAX	CDF_FLOAT	2e8
SCALEMIN	CDF_FLOAT	-2e8
SCALEMAX	CDF_FLOAT	2e8
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	y
UNITS	CDF_CHAR	km
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	y, SOHO spacecraft coordinate y
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	E9.4
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	11-11

(Back to chapter 60)

60.4.13 z, SOHO spacecraft coordinate z

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	SOHO spacecraft coordinate z
VALIDMIN	CDF_FLOAT	-2e8
VALIDMAX	CDF_FLOAT	2e8
SCALEMIN	CDF_FLOAT	-2e8
SCALEMAX	CDF_FLOAT	2e8
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	z
UNITS	CDF_CHAR	km
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	z, SOHO spacecraft coordinate z
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	E9.4
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	12-12

(Back to chapter 60)

60.4.14 r, SOHO spacecraft distance r

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	SOHO spacecraft distance r
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	2e8
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	2e8
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	r
UNITS	CDF_CHAR	km
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	r, SOHO spacecraft distance r
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	E9.4
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	13-13

(Back to chapter 60)

60.4.15 R, SOHO spacecraft distance R

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	SOHO spacecraft distance R
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	2
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	2
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	R
UNITS	CDF_CHAR	AU
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	R, SOHO spacecraft distance R
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F9.6
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	14-14

(Back to chapter 60)

60.4.16 F1, flux 26-34nm (adjusted to 1AU)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	flux 26-34nm (adjusted to 1AU)
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1.00e12
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	1.00e12
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	F1
UNITS	CDF_CHAR	photons / (cm$\hat{2}$ * s)
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	F1, flux 26-34nm (adjusted to 1AU)
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	E9.4
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	15-15

(Back to chapter 60)

60.4.17 F2, flux 0.1-50nm (adjusted to 1AU)

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	flux 0.1-50nm (adjusted to 1AU)
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	2.00e12
SCALEMIN	CDF_FLOAT	0
SCALEMAX	CDF_FLOAT	2.00e12
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	F2
UNITS	CDF_CHAR	photons / (cm$\hat{2}$ * s)
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	F2, flux 0.1-50nm (adjusted to 1AU)
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	E9.4
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	16-16

(Back to chapter 60)

60.5 zVariables

No zVariables (Back to chapter 60)

60.6 end

!# server>	client terminated data transfer at 20000418.094859
!# server>	eof cw-2000-108.000.skt

(Back to chapter 60)

Chapter 61

STOF SEM LA V03

Contents

61.1 header 981

61.2 GLOBALattributes 982

61.3 VARIABLEattributes 983

61.4 variables 983

61.4.1 Epoch, Time TAI 984

61.4.2 EUV1, EUV rate left 984

61.4.3 EUV2, EUV rate middle 985

61.4.4 EUV3, EUV rate right 985

61.5 zVariables 985

61.6 end 985

61.1 header

CDF NAME:	SO_CEL_STOF_SEM_LA_V02				
DATA ENCODING:	NETWORK				
MAJORITY:	COLUMN				
FORMAT:	SINGLE				
Variables	G.Attributes	V.Attributes	Records	Dims	Sizes
4/0	21	17	0/z	0	

(Back to chapter 61)

61.2 GLOBALattributes

TITLE	1:	CDF_CHAR	SEM
Project	1:	CDF_CHAR	ISTP>International Solar-Terrestrial Physics
Discipline	1:	CDF_CHAR	Solar Physics>Ultraviolet Observations
Source_name	1:	CDF_CHAR	SO>Solar Heliospheric Observatory (SOHO)
Descriptor	1:	CDF_CHAR	CEL>Charge, Element and Isotope Analysis System (C
	2:	CDF_CHAR	ELIAS)
Detector	1:	CDF_CHAR	STOF>Suprathermal Time Of Flight
Series_name	1:	CDF_CHAR	SEM>Solar EUV Monitor
Data_type	1:	CDF_CHAR	LA>Level ASCII
Logical_source	1:	CDF_CHAR	SO_CEL_STOF_SEM_LA
TEXT	1:	CDF_CHAR	A description of the CELIAS instrument and
	2:	CDF_CHAR	scientific scope can be found on WWW
	3:	CDF_CHAR	at https://www.ieap.uni-kiel.de/et/soho/celias/
	4:	CDF_CHAR	or on the SOHO homepage at
	5:	CDF_CHAR	http://sohowww.nascom.nasa.gov/.
	6:	CDF_CHAR	A written description of CELIAS
	7:	CDF_CHAR	will appear in the special issue of
	8:	CDF_CHAR	Solar Physics dedicated to SOHO.
Data_version	1:	CDF_CHAR	01
MODS	1:	CDF_CHAR	<cwrap!actual_date>
skeleton_version	1:	CDF_CHAR	01
software_version	1:	CDF_CHAR	<cwrap!cwrap_version>
ADID_ref	1:	CDF_CHAR	NSSD0195
PI_name	1:	CDF_CHAR	Robert F. Wimmer-Schweingruber
PI_affiliation	1:	CDF_CHAR	Institut fuer Experimentelle und Angewandte Physik,
	2:	CDF_CHAR	Christian Albrechts Universitaet Kiel,
	3:	CDF_CHAR	Leibnizstr 11,
	4:	CDF_CHAR	24118 Kiel, Germany
Mission_group	1:	CDF_CHAR	SOHO
Instrument_type	1:	CDF_CHAR	Particles (space)
TEXT_supplement	1:	CDF_CHAR	Solar Extrem Ultra Violet Monitor
TEXT_FOR_UOB	1:	CDF_CHAR	thom buchmueller 000217
	2:	CDF_CHAR	buchm@soho.unibe.ch

(Back to chapter 61)

61.3 VARIABLEattributes

FIELDNAM	
VALIDMIN	
VALIDMAX	
SCALETYP	
SCALEMIN	
SCALEMAX	
UNITS	
LABLAXIS	
FORMAT	
DEPEND_0	
!	DEPEND_1
!	DEPEND_2
!	DEPEND_3
!	DEPEND_4
!	DEPEND_5
MONOTON	
VAR_TYPE	
FILLVAL	
DISPLAY_TYPE	
CATDESC	
COLUMNS	
TIME_FORMAT	

(Back to chapter 61)

61.4 variables

Variable Name	Data Type	Number Elements	Record Variance	Dimension Variances
Epoch	CDF_EPOCH	1	T	
EUV1	CDF_FLOAT	1	T	
EUV2	CDF_FLOAT	1	T	
EUV3	CDF_FLOAT	1	T	

(Back to chapter 61)

61.4.1 Epoch, Time TAI

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	Time TAI
VALIDMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
VALIDMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALEMIN	CDF_EPOCH	01-Nov-1995 00:00:00.000
SCALEMAX	CDF_EPOCH	01-Nov-2020 00:00:00.000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	Epoch
UNITS	CDF_CHAR	ms
VAR_TYPE	CDF_CHAR	support_data
CATDESC	CDF_CHAR	Epoch, Time TAI
FILLVAL	CDF_EPOCH	31-Dec-9999 23:59:59.999
DISPLAY_TYPE	CDF_CHAR	time_series
MONOTON	CDF_CHAR	INCREASE
TIME_FORMAT	CDF_CHAR	sec70base
COLUMNS	CDF_CHAR	0-0

(Back to chapter 61)

61.4.2 EUV1, EUV rate left

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	EUV rate left
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	50
SCALEMAX	CDF_FLOAT	500
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	EUV1
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	EUV1, EUV rate left
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F7.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	1-1

(Back to chapter 61)

61.4.3 EUV2, EUV rate middle

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	EUV rate middle
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	1000
SCALEMAX	CDF_FLOAT	10000
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	EUV2
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	EUV2, EUV rate middle
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F7.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	2-2

(Back to chapter 61)

61.4.4 EUV3, EUV rate right

Attribute Name	Data Type	Value
FIELDNAM	CDF_CHAR	EUV rate right
VALIDMIN	CDF_FLOAT	0
VALIDMAX	CDF_FLOAT	1000000
SCALEMIN	CDF_FLOAT	50
SCALEMAX	CDF_FLOAT	500
SCALETYP	CDF_CHAR	linear
LABLAXIS	CDF_CHAR	EUV3
UNITS	CDF_CHAR	Hz
VAR_TYPE	CDF_CHAR	data
CATDESC	CDF_CHAR	EUV3, EUV rate right
FILLVAL	CDF_FLOAT	-1e37
DISPLAY_TYPE	CDF_CHAR	time_series
FORMAT	CDF_CHAR	F7.1
DEPEND_0	CDF_CHAR	Epoch
COLUMNS	CDF_CHAR	3-3

(Back to chapter 61)

61.5 zVariables

No zVariables (Back to chapter 61)

61.6 end

!# server>	client terminated data transfer at 20000217.101244
!# server>	eof cw-2000-047.000.skt

(Back to chapter 61)