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NIMS Obstab (Planned)
Columns      Comments
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OAPEL       1 - 12      .Oapel Name from SEF (no aliases yet)
EXT         14 - 14      .Extension (allow for split OAPELs)
PSID        16 - 17      .2 Letter ID for the OAPEL
SCLK1       19 - 29      .Start time of OBS in SCLK
SCLK2       31 - 41      .STOP time of OBS in SCLK
MODE        43 - 44      .NIMS Instrument MODE
GAIN        46 - 47      .Gain State (true value)
CHOP        49 - 50      .Chopper State (1=Ref,2=63Hz,3=FreeRun,4=Off)
GRAT_OFF    52 - 53      .Grating Offset
PTAB_A(6)   55 - 71      .First PTAB (repeat count,mirror op,autobias...
PTAB_B(6)   73 - 89      .Second PTAB (...grating start, grating delta...
              (...number of grating postions)
ECAL        92 - 92      .Electronics Calibration Active (1=yes)
OPCAL       94 - 94      .Optics Calibration active (1=yes)
UTC1        96 - 112     .Start time of OBS in UTC (from SEF - ISO STANDARD)
REAL_TIME   115 - 115    .NIMS in Real-Time Telemetry (1=yes)
RECORD      117 - 117    .NIMS in Record Telemetry(1=yes)
TARGET      120 - 127    .Primary Target of OBS
              GASPRA      - P - Gaspra
              CALIBRATION - N - Non-Science
              (the single letter abbreviation appears as the third character in the OBSNAME (OAPEL Name) ).
INPUT SEF FILE: EE11_921118.SEF
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OAPEL, EXT, PSID, SCLK1, SCLK2, MODE, GAIN, CHOP, GRAT_OFF, PTAB_A(6), PTAB_B(6), ECAL, OPCAL, UTC1, REAL_TIME, RECORD, TARGET
-----
OAPEL  EXT PSID SCLK1  SCLK2  M G C O | PTAB A | | PTAB B | E O  UTCL  R T  TARGET
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GAPSLTCRVC01 A IG 01072716:00 01072716:14 1 4 2 4 1 1 0 0 2 12 1 1 0 0 2 12 0 0 1991-302TT14:33:45 0 1  GASPRA
GAPNGASPER01 A JA 01072720:00 01072723:23 1 4 2 4 1 1 0 0 2 12 1 1 0 0 2 12 0 0 1991-302TT14:37:48 0 1  GASPRA
GAPNGASPER01 A JB 01072734:06 01072734:22 7 4 2 4 1 1 0 6 0 12 1 1 0 6 0 12 0 0 1991-302TT14:52:01 0 1  GASPRA
GAPSLTCRVB01 A EA 01072751:05 01072751:46 5 4 2 4 1 1 0 2 4 6 1 1 0 2 4 6 0 0 1991-302TT15:09:12 0 1  GASPRA
GAPSLTCRVB01 B EA 01072751:58 01072752:29 5 4 2 4 1 1 0 2 4 6 1 1 0 2 4 6 0 0 1991-302TT15:09:47 0 1  GASPRA
GAPNGASPER02 A JC 01072769:06 01072769:22 7 4 2 4 1 1 0 6 0 12 1 1 0 6 0 12 0 0 1991-302TT15:27:24 0 1  GASPRA
GAPSLTCRVB02 A EB 01072786:05 01072786:46 5 4 2 4 1 1 0 2 4 6 1 1 0 2 4 6 0 0 1991-302TT15:44:35 0 1  GASPRA
GAPSLTCRVB02 B EB 01072786:58 01072787:36 5 4 2 4 1 1 0 2 4 6 1 1 0 2 4 6 0 0 1991-302TT15:45:10 0 1  GASPRA
GAPNGASPER03 A JD 01072804:06 01072804:22 7 4 2 4 1 1 0 6 0 12 1 1 0 6 0 12 0 0 1991-302TT16:02:48 0 1  GASPRA
GAPSLTCRVC02 A IF 01072821:00 01072821:14 1 4 2 4 1 1 0 0 2 12 1 1 0 0 2 12 0 0 1991-302TT16:19:55 0 1  GASPRA
GAPNGASPER02 A JE 01072825:06 01072828:47 1 4 2 4 1 1 0 0 2 12 1 1 0 0 2 12 0 0 1991-302TT16:24:02 0 1  GASPRA
GAPNGASPER04 A JF 01072839:06 01072839:24 7 4 2 4 1 1 0 6 0 12 1 1 0 6 0 12 0 0 1991-302TT16:38:11 0 1  GASPRA
GAPSLTCRVB03 A EC 01072856:05 01072856:46 5 4 2 4 1 1 0 2 4 6 1 1 0 2 4 6 0 0 1991-302TT16:55:22 0 1  GASPRA
GAPSLTCRVB03 B EC 01072856:58 01072857:35 5 4 2 4 1 1 0 2 4 6 1 1 0 2 4 6 0 0 1991-302TT16:55:57 0 1  GASPRA
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OAPEL	EXT	PSID	SCLK1	SCLK2	M	G	C	O	PTAB	A	PTAB	B	E	O	UTCL	R	T	TARGET								
GAPNGASPER05	A	JG	01072874:06	01072874:24	7	4	2	4	1	1	0	6	0	12	1	1	0	6	0	12	0	0	1991-302T17:13:34	0	1	GASPR
GAPSLTCRVB04	A	ED	01072891:05	01072891:46	5	4	2	4	1	1	0	2	4	6	1	1	0	2	4	6	0	0	1991-302T17:30:45	0	1	GASPR
GAPSLTCRVB04	B	ED	01072891:58	01072892:35	5	4	2	4	1	1	0	2	4	6	1	1	0	2	4	6	0	0	1991-302T17:31:20	0	1	GASPR
GAPNGASPER06	A	JH	01072909:06	01072909:24	7	4	2	4	1	1	0	6	0	12	1	1	0	6	0	12	0	0	1991-302T17:48:58	0	1	GASPR
GAPSLTCRVC03	A	IE	01072926:05	01072928:00	7	4	2	4	1	1	0	6	0	12	1	1	0	6	0	12	0	0	1991-302T18:06:08	0	1	GASPR
GAPNGASPEC03	A	JI	01072930:06	01072934:11	1	4	2	4	1	1	0	0	2	12	1	1	0	0	2	12	0	0	1991-302T18:10:12	0	1	GASPR
GAPNGASPER07	A	JJ	01072944:06	01072944:26	7	4	2	4	1	1	0	6	0	12	1	1	0	6	0	12	0	0	1991-302T18:24:21	0	1	GASPR
GAPSLTCRVB05	A	EE	01072961:05	01072961:46	5	4	2	4	1	1	0	2	4	6	1	1	0	2	4	6	0	0	1991-302T18:41:32	0	1	GASPR
GAPSLTCRVB05	B	EE	01072961:58	01072962:32	5	4	2	4	1	1	0	2	4	6	1	1	0	2	4	6	0	0	1991-302T18:42:07	0	1	GASPR
GAPNGASPER08	A	JK	01072979:06	01072979:26	7	4	2	4	1	1	0	6	0	12	1	1	0	6	0	12	0	0	1991-302T18:59:44	0	1	GASPR
GAPSLTCRVB06	A	EF	01072996:05	01072996:46	5	4	2	4	1	1	0	2	4	6	1	1	0	2	4	6	0	0	1991-302T19:16:55	0	1	GASPR
GAPSLTCRVB06	B	EF	01072996:58	01072997:35	5	4	2	4	1	1	0	2	4	6	1	1	0	2	4	6	0	0	1991-302T19:17:30	0	1	GASPR
GAPSLTCRVC04	A	ID	01073031:05	01073033:00	5	4	2	4	1	1	0	2	4	6	1	1	0	2	4	6	0	0	1991-302T19:52:18	0	1	GASPR
GAPNGASPEC04	A	JM	01073035:06	01073039:26	1	4	2	4	1	1	0	0	2	12	1	1	0	0	2	12	0	0	1991-302T19:56:22	0	1	GASPR
GAPNGASPER10	A	JN	01073049:06	01073049:30	7	4	2	4	1	1	0	6	0	12	1	1	0	6	0	12	0	0	1991-302T20:10:31	0	1	GASPR
GAPSLTCRVB07	A	EG	01073066:05	01073066:46	5	4	2	4	1	1	0	2	4	6	1	1	0	2	4	6	0	0	1991-302T20:27:42	0	1	GASPR
GAPSLTCRVB07	B	EG	01073066:58	01073067:63	5	4	2	4	1	1	0	2	4	6	1	1	0	2	4	6	0	0	1991-302T20:28:17	0	1	GASPR
GAPNGASPER11	A	JO	01073084:00	01073084:30	7	4	2	4	1	1	0	6	0	12	1	1	0	6	0	12	0	0	1991-302T20:45:50	0	1	GASPR
GAPSLTCRVB08	A	EH	01073101:05	01073101:46	5	3	2	4	1	1	0	2	4	6	1	1	0	2	4	6	0	0	1991-302T21:03:05	0	1	GASPR
GAPSLTCRVB08	B	EH	01073101:58	01073102:83	5	3	2	4	1	1	0	2	4	6	1	1	0	2	4	6	0	0	1991-302T21:03:40	0	1	GASPR
GAPNGASPER12	A	JP	01073113:06	01073113:32	7	3	2	4	1	1	0	6	0	12	1	1	0	6	0	12	0	0	1991-302T21:15:14	0	1	GASPR
GAPNGASPEC05	A	JQ	01073129:06	01073133:89	1	1	2	4	1	1	0	0	2	12	1	1	0	0	2	12	0	0	1991-302T21:31:24	0	1	GASPR
GAPS6FILTR01	A	IA	01073135:41	01073138:78	12	1	2	4	6	1	0	6	0	12	3	1	0	0	1	24	0	0	1991-302T21:37:52	0	1	GASPR
GAPNGASPEC06	A	JR	01073141:62	01073144:01	1	1	2	4	1	1	0	0	2	12	1	1	0	0	2	12	0	0	1991-302T21:44:10	0	1	GASPR
GAPNGASPEC06	B	JR	01073144:09	01073148:49	1	1	2	4	1	1	0	0	2	12	1	1	0	0	2	12	0	0	1991-302T21:46:37	0	1	GASPR
GAPSTWKINS01	A	IB	01073149:02	01073150:90	7	1	2	4	1	1	0	6	0	12	1	1	0	6	0	12	0	0	1991-302T21:51:35	0	1	GASPR
GAPNGSCHEM02	A	JS	01073151:00	01073151:13	5	1	2	4	1	1	0	2	4	6	1	1	0	2	4	6	0	0	1991-302T21:53:30	0	1	GASPR
GAPNGSCHEM02	B	JS	01073151:80	01073157:71	5	1	2	4	1	1	0	2	4	6	1	1	0	2	4	6	0	0	1991-302T21:54:28	0	1	GASPR
GAPS4FILTR01	A	IC	01073158:41	01073163:52	13	1	2	4	2	1	0	0	1	24	4	1	0	0	1	24	0	0	1991-302T22:01:07	0	1	GASPR
GAPNGSCHEM04	A	JT	01073164:42	01073172:71	5	1	2	4	1	1	0	2	4	6	1	1	0	2	4	6	0	0	1991-302T22:07:12	0	1	GASPR
GAPNGASMAP01	A	JU	01073173:60	01073177:36	7	1	2	4	1	1	0	6	0	12	1	1	0	6	0	12	0	0	1991-302T22:16:30	0	1	GASPR
GAPSHIPAS01	A	EI	01073178:02	01073178:39	7	1	2	4	1	1	0	6	0	12	1	1	0	6	0	12	0	0	1991-302T22:20:55	0	1	GASPR
GAPSHIPAS01	B	EI	01073178:49	01073185:26	7	1	2	4	1	1	0	6	0	12	1	1	0	6	0	12	0	0	1991-302T22:21:26	0	1	GASPR
GANNPCTCAL01	A	JV	01073399:00	01073399:90	3	1	2	4	1	1	0	0	1	24	1	1	0	0	1	24	0	0	1991-303T02:04:20	0	1	PCT
GANNPCTCAL01	B	JV	01073402:00	01073402:90	3	1	1	4	1	1	0	0	1	24	1	1	0	0	1	24	0	0	1991-303T02:07:22	0	1	PCT
GANNRCTCAL01	A	JW	01073793:00	01073793:90	3	1	1	4	1	1	0	0	1	24	1	1	0	0	1	24	0	0	1991-303T08:42:43	0	1	RCT
GANNRCTCAL01	B	JW	01073796:00	01073796:90	3	1	2	4	1	1	0	0	1	24	1	1	0	0	1	24	0	0	1991-303T08:45:45	0	1	RCT