

NIMS Obstab (Planned)

Heading	Columns	Comments
OAPEL	1 - 12	.Opel 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 IDA - U - Ida CALIBRATION - N - Non-Science

(the single letter abbreviation appears as the third character in the OBSNAME (OAPEL Name)).

INPUT SEF FILE: EJ3_930727.SEF

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	UTC1	R	T	TARGET			
IDNNOPCAL_01	A	JA	02010188:05	02010188:46	3	4	1	4	1	1	0	0	1 24 1 1 0 0 1 24	1	0	1 24 1 0 1993-229T20:41:31	0	1	CAL
IDNNECAL_01	A	JB	02015540:05	02015540:46	1	2	1	4	1	1	0	0	2 12 1 1 0 0 2 12	0	1	2 12 0 1 1993-233T14:52:59	0	1	CAL
IDUSROTATIO1	A	IA	02025305:00	02025305:30	7	4	1	4	1	1	0	6	0 12 1 1 0 6 0 12	0	0	1993-240/11:26:25	0	1	IDA
IDUSROTATIO1	B	IA	02025307:05	02025307:46	7	4	1	4	1	1	0	6	0 12 1 1 0 6 0 12	0	0	1993-240/11:28:30	0	1	IDA
IDUSROTATIO1	C	IA	02025330:05	02025332:90	7	4	1	4	1	1	0	6	0 12 1 1 0 6 0 12	0	0	1993-240/11:51:45	0	1	IDA
IDUSROTATIO1	D	IA	02025334:15	02025335:70	1	4	1	4	1	1	0	0	2 12 1 1 0 0 2 12	0	0	1993-240/11:55:55	0	1	IDA
IDUSROTATIO1	E	IA	02025345:65	02025346:75	5	4	1	4	1	1	0	2	4 6 1 1 0 2 4 6	0	0	1993-240/12:07:35	0	1	IDA
IDUSROTATIO1	F	IA	02025353:05	02025353:46	5	4	1	4	1	1	0	2	4 6 1 1 0 2 4 6	0	0	1993-240/12:15:01	0	1	IDA
IDUSROTATIO1	G	IA	02025357:20	02025358:30	5	4	1	4	1	1	0	2	4 6 1 1 0 2 4 6	0	0	1993-240/12:19:13	0	1	IDA
IDUSROTATIO1	H	IA	02025368:65	02025369:75	5	4	1	4	1	1	0	2	4 6 1 1 0 2 4 6	0	0	1993-240/12:30:51	0	1	IDA
IDUSROTATIO1	I	IA	02025376:05	02025376:46	5	4	1	4	1	1	0	2	4 6 1 1 0 2 4 6	0	0	1993-240/12:38:16	0	1	IDA
IDUSROTATIO1	J	IA	02025380:20	02025381:30	5	4	1	4	1	1	0	2	4 6 1 1 0 2 4 6	0	0	1993-240/12:42:29	0	1	IDA
IDUSROTATIO1	K	IA	02025391:65	02025392:75	5	4	1	4	1	1	0	2	4 6 1 1 0 2 4 6	0	0	1993-240/12:54:06	0	1	IDA

OAPEL	EXT	PSID	SCLK1	SCLK2	M	G	C	O	PTAB A	PTAB B	E O	UTC1	R T	TARGET												
IDUSROTATIO2	A	JF	02025397:00	02025397:30	7	4	1	4	1	1	0	6	0	12	1	1	0	6	0	12	0	0	1993-240/12:59:27	0	1	IDA
IDUSROTATIO2	B	JF	02025399:05	02025401:90	7	4	1	4	1	1	0	6	0	12	1	1	0	6	0	12	0	0	1993-240/13:01:31	0	1	IDA
IDUSROTATIO2	C	JF	02025403:15	02025404:70	5	4	1	4	1	1	0	2	4	6	1	1	0	2	4	6	0	0	1993-240/13:05:41	0	1	IDA
IDUSROTATIO2	D	JF	02025414:65	02025415:75	5	4	1	4	1	1	0	2	4	6	1	1	0	2	4	6	0	0	1993-240/13:17:21	0	1	IDA
IDUSROTATIO2	E	JF	02025422:05	02025422:46	5	4	1	4	1	1	0	2	4	6	1	1	0	2	4	6	0	0	1993-240/13:24:47	0	1	IDA
IDUSROTATIO2	F	JF	02025426:20	02025427:30	5	4	1	4	1	1	0	2	4	6	1	1	0	2	4	6	0	0	1993-240/13:28:59	0	1	IDA
IDUSROTATIO2	G	JF	02025437:65	02025438:75	5	4	1	4	1	1	0	2	4	6	1	1	0	2	4	6	0	0	1993-240/13:40:37	0	1	IDA
IDUSROTATIO2	H	JF	02025445:05	02025445:46	5	4	1	4	1	1	0	2	4	6	1	1	0	2	4	6	0	0	1993-240/13:48:02	0	1	IDA
IDUSROTATIO2	I	JF	02025449:20	02025450:30	5	4	1	4	1	1	0	2	4	6	1	1	0	2	4	6	0	0	1993-240/13:52:14	0	1	IDA
IDUSROTATIO2	J	JF	02025460:65	02025461:75	5	4	1	4	1	1	0	2	4	6	1	1	0	2	4	6	0	0	1993-240/14:03:52	0	1	IDA
IDUNROTATIO3	A	JI	02025465:00	02025465:30	7	4	1	4	1	1	0	6	0	12	1	1	0	6	0	12	0	0	1993-240/14:08:12	0	1	IDA
IDUNROTATIO3	B	JI	02025468:05	02025470:90	7	4	1	4	1	1	0	6	0	12	1	1	0	6	0	12	0	0	1993-240/14:11:17	0	1	IDA
IDUNROTATIO3	C	JI	02025472:15	02025474:04	1	4	1	4	1	1	0	0	2	12	1	1	0	0	2	12	0	0	1993-240/14:15:26	0	1	IDA
IDUNROTATIO3	D	JI	02025483:65	02025485:04	5	4	1	4	1	1	0	2	4	6	1	1	0	2	4	6	0	0	1993-240/14:27:07	0	1	IDA
IDUNROTATIO3	E	JI	02025491:05	02025493:46	5	4	1	4	1	1	0	2	4	6	1	1	0	2	4	6	0	0	1993-240/14:34:32	0	1	IDA
IDUNROTATIO3	F	JI	02025495:20	02025496:30	5	4	1	4	1	1	0	2	4	6	1	1	0	2	4	6	0	0	1993-240/14:38:45	0	1	IDA
IDUNROTATIO3	G	JI	02025506:65	02025507:75	5	4	1	4	1	1	0	2	4	6	1	1	0	2	4	6	0	0	1993-240/14:50:22	0	1	IDA
IDUNROTATIO3	H	JI	02025514:05	02025516:46	5	4	1	4	1	1	0	2	4	6	1	1	0	2	4	6	0	0	1993-240/14:57:48	0	1	IDA
IDUNROTATIO3	I	JI	02025518:20	02025519:30	5	4	1	4	1	1	0	2	4	6	1	1	0	2	4	6	0	0	1993-240/15:02:00	0	1	IDA
IDUNROTATIO3	J	JI	02025529:65	02025530:75	5	4	1	4	1	1	0	2	4	6	1	1	0	2	4	6	0	0	1993-240/15:13:38	0	1	IDA
IDUNROTATIO4	A	JL	02025535:00	02025535:30	7	3	1	4	1	1	0	6	0	12	1	1	0	6	0	12	0	0	1993-240/15:18:58	0	1	IDA
IDUNROTATIO4	B	JL	02025537:05	02025539:90	7	3	1	4	1	1	0	6	0	12	1	1	0	6	0	12	0	0	1993-240/15:21:03	0	1	IDA
IDUNROTATIO4	C	JL	02025541:15	02025543:30	1	3	1	4	1	1	0	0	2	12	1	1	0	0	2	12	0	0	1993-240/15:25:12	0	1	IDA
IDUNROTATIO4	D	JL	02025548:05	02025550:90	1	3	1	4	1	1	0	0	2	12	1	1	0	0	2	12	0	0	1993-240/15:32:10	0	1	IDA
IDUNROTATIO4	E	JL	02025552:65	02025554:14	5	3	1	4	1	1	0	2	4	6	1	1	0	2	4	6	0	0	1993-240/15:36:53	0	1	IDA
IDUNROTATIO4	F	JL	02025560:05	02025563:00	5	3	1	4	1	1	0	2	4	6	1	1	0	2	4	6	0	0	1993-240/15:44:18	0	1	IDA
IDUNROTATIO4	G	JL	02025564:20	02025565:40	5	3	1	4	1	1	0	2	4	6	1	1	0	2	4	6	0	0	1993-240/15:48:31	0	1	IDA
IDUNROTATIO4	H	JL	02025571:05	02025574:00	5	3	1	4	1	1	0	2	4	6	1	1	0	2	4	6	0	0	1993-240/15:55:26	0	1	IDA
IDUNROTATIO4	I	JL	02025575:65	02025576:85	5	3	1	4	1	1	0	2	4	6	1	1	0	2	4	6	0	0	1993-240/16:00:08	0	1	IDA
IDUNROTATIO4	J	JL	02025583:05	02025586:00	5	3	1	4	1	1	0	2	4	6	1	1	0	2	4	6	0	0	1993-240/16:07:34	0	1	IDA
IDUNROTATIO4	K	JL	02025587:20	02025588:50	5	3	1	4	1	1	0	2	4	6	1	1	0	2	4	6	0	0	1993-240/16:11:46	0	1	IDA
IDUNROTATIO4	L	JL	02025594:05	02025597:00	5	3	1	4	1	1	0	2	4	6	1	1	0	2	4	6	0	0	1993-240/16:18:41	0	1	IDA
IDUNROTATIO4	M	JL	02025598:65	02025599:90	5	3	1	4	1	1	0	2	4	6	1	1	0	2	4	6	0	0	1993-240/16:23:24	0	1	IDA

OAPEL	EXT	PSID	SCLK1	SCLK2	M	G	C	O	PTAB A	PTAB B	E O	UTC1	R T	TARGET												
IDUNIDAGLM01	A	JA	02025601:05	02025604:80	3	3	1	4	1	1	0	0	1	24	1	1	0	0	1	24	0	0	1993-240/16:25:46	0	1	IDA
IDUSFINROT01	A	IQ	02025605:05	02025608:00	3	3	1	4	1	1	0	0	1	24	1	1	0	0	1	24	0	0	1993-240/16:29:48	0	1	IDA
IDUNIDAFIN01	A	KG	02025608:08	02025612:68	3	3	1	4	1	1	0	0	1	24	1	1	0	0	1	24	0	0	1993-240/16:32:52	0	1	IDA
IDUS6COLOR01	A	IB	02025612:80	02025615:90	3	3	1	4	1	1	0	0	1	24	1	1	0	0	1	24	0	0	1993-240/16:37:44	0	1	IDA
IDUNIDACHM01	A	KH	02025616:11	02025620:90	5	3	1	4	1	1	0	2	4	6	1	1	0	2	4	6	0	0	1993-240/16:41:00	0	1	IDA
IDUSHIRES_01	A	IC	02025621:00	02025621:41	7	3	1	4	1	1	0	6	0	12	1	1	0	6	0	12	0	0	1993-240/16:45:51	0	1	IDA
IDUSHIRES_01	B	IC	02025621:54	02025625:78	7	3	1	4	1	1	0	6	0	12	1	1	0	6	0	12	0	0	1993-240/16:46:32	0	1	IDA
IDUSENCNTR01	A	IE	02025626:02	02025628:13	7	3	1	4	1	1	0	6	0	12	1	1	0	6	0	12	0	0	1993-240/16:51:01	0	1	IDA
IDHUBORSIT01	A	KB	02025657:26	02025657:90	7	3	1	4	1	1	0	6	0	12	1	1	0	6	0	12	0	0	1993-240/17:22:37	0	1	SKY
IDHUBORSIT01	B	KB	02025658:00	02025661:90	7	4	1	4	1	1	0	6	0	12	1	1	0	6	0	12	0	0	1993-240/17:23:16	0	1	SKY
IDHUBORSIT01	C	KB	02025662:00	02025662:02	0	4	1	4	1	0	0	0	0	12	1	0	0	0	0	12	0	0	1993-240/17:27:18	0	1	SKY
IDUNPCTCAL01	A	EH	02026288:00	02026288:90	0	4	1	4	1	0	0	0	0	12	1	0	0	0	0	12	0	0	1993-241/04:00:20	0	1	CAL
IDUNPCTCAL01	B	EH	02026289:00	02026289:90	3	4	1	4	1	1	0	0	1	24	1	1	0	0	1	24	0	0	1993-241/04:01:16	0	1	CAL
IDUNPCTCAL01	C	EH	02026290:00	02026290:90	3	1	1	4	1	1	0	0	1	24	1	1	0	0	1	24	0	0	1993-241/04:02:17	0	1	CAL
IDUNPCTCAL01	D	EH	02026291:00	02026291:90	7	1	1	4	1	1	0	6	0	12	1	1	0	6	0	12	0	0	1993-241/04:03:18	0	1	CAL
IDUNPCTCAL01	E	EH	02026292:00	02026294:00	0	1	1	4	1	0	0	0	0	12	1	0	0	0	0	12	0	0	1993-241/04:04:18	0	1	CAL
IDUNRCTCAL01	A	EI	02028614:00	02028614:90	0	1	1	4	1	0	0	0	0	12	1	0	0	0	0	12	0	0	1993-242/19:12:11	0	1	CAL
IDUNRCTCAL01	B	EI	02028615:00	02028615:90	1	1	1	4	1	1	0	0	2	12	1	1	0	0	2	12	0	0	1993-242/19:13:07	0	1	CAL
IDUNRCTCAL01	C	EI	02028616:00	02028620:90	1	3	1	4	1	1	0	0	2	12	1	1	0	0	2	12	0	0	1993-242/19:14:08	0	1	CAL
IDUNRCTCAL01	D	EI	02028621:00	02028622:90	5	3	1	4	1	1	0	2	4	6	1	1	0	2	4	6	0	0	1993-242/19:19:11	0	1	CAL
IDUNRCTCAL01	E	EI	02028623:00	02028623:90	7	3	1	4	1	1	0	6	0	12	1	1	0	6	0	12	0	0	1993-242/19:21:12	0	1	CAL