

GOMOS Daily Report 07-SEP-2011

Level 0 and Level 1 products

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This report presents the daily analysis on parameters extracted from GOMOS level 1b data (GOM_TRA_1P). It is intended to monitor some important parameters that will impact the quality of the level 2 products as the Spectrometers and Photometers CCD Temperatures and Dark Charge, SATU noise equivalent angle... A list of level 0 products (and content) that have arrived during the actual month to the PCF is also given.

Item	Value
Time of report generation	13SEP2011 07:01:27
Data source version	GOMOS/6.01
Start time of products	07SEP2011 00:07:01
Stop time of products	07SEP2011 23:44:41
Store outputs in DB	Yes
Nb of level 1b prods	70
Nb of prods with errors	0

2. Summary of products arrived in PCF (Product Control Facility)

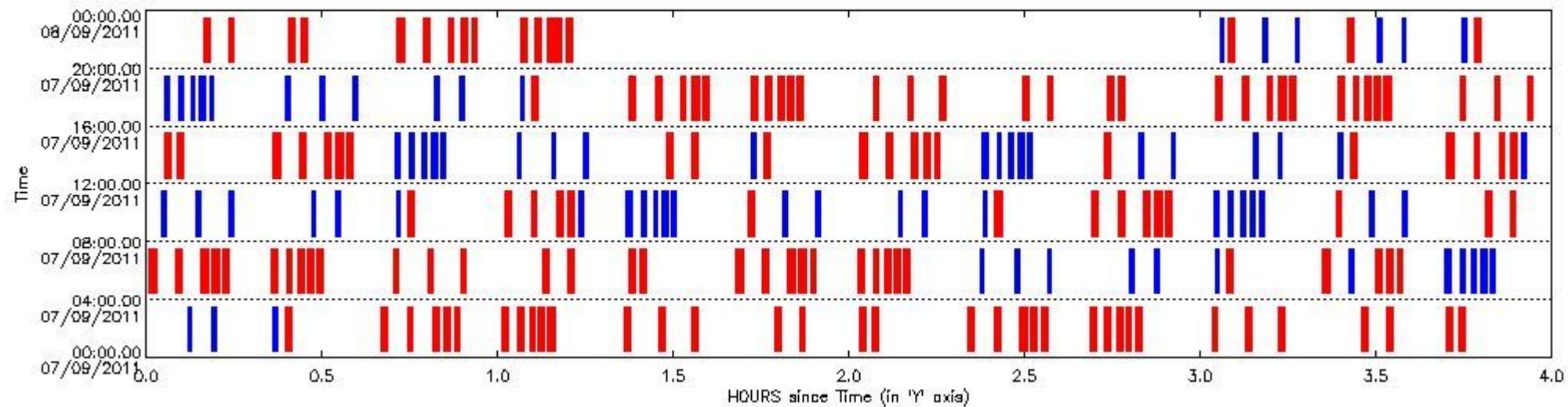
2.1 Level 0 products arrived in PCF (see template [here](#))

2.2 Plot of mission plan versus Level 0 production arrived in PCF during reporting period

Red segments are missing products.

Blue segments are available products.

Green segments are calibration measurements (not available products to users).



2.3 Summary of missing occultations (red segments in previous plot)

UTC start time	Star name	Star ID	Orbit
07-SEP-2011 00:23:37	27GamCas	76	49786
07-SEP-2011 00:40:01	34BetAur	42	49786
07-SEP-2011 00:44:35	66AlpGem	24	49786
07-SEP-2011 00:48:49	13MuGem	151	49786
07-SEP-2011 00:50:43	24GamGem	44	49786
07-SEP-2011 00:52:37	10AlpCMi	8	49786
07-SEP-2011 01:00:49	9AlpCMa	1	49786
07-SEP-2011 01:03:23	21EpsCMa	23	49786
07-SEP-2011 01:05:23	1ZetCMa	177	49786
07-SEP-2011 01:06:58	DSA1059	0	49786
07-SEP-2011 01:08:33	AlpCol	108	49786
07-SEP-2011 01:21:40	AlpEri	9	49787
07-SEP-2011 01:27:32	AlpPhe	84	49787
07-SEP-2011 01:33:10	24AlpPsA	18	49787
07-SEP-2011 01:47:19	54AlpPeg	90	49787

07-SEP-2011 01:51:31	44EtaPeg	164	49787
07-SEP-2011 02:01:51	11BetCas	74	49787
07-SEP-2011 02:03:50	27GamCas	76	49787
07-SEP-2011 02:20:14	34BetAur	42	49787
07-SEP-2011 02:24:49	66AlpGem	24	49787
07-SEP-2011 02:29:04	13MuGem	151	49787
07-SEP-2011 02:30:57	24GamGem	44	49787
07-SEP-2011 02:32:52	10AlpCMi	8	49787
07-SEP-2011 02:41:04	9AlpCMa	1	49787
07-SEP-2011 02:43:37	21EpsCMa	23	49787
07-SEP-2011 02:45:38	1ZetCMa	177	49787
07-SEP-2011 02:47:13	DSA1059	0	49787
07-SEP-2011 02:48:48	AlpCol	108	49787
07-SEP-2011 03:01:55	AlpEri	9	49788
07-SEP-2011 03:07:47	AlpPhe	84	49788
07-SEP-2011 03:13:24	24AlpPsA	18	49788
07-SEP-2011 03:27:32	54AlpPeg	90	49788
07-SEP-2011 03:31:45	44EtaPeg	164	49788
07-SEP-2011 03:42:05	11BetCas	74	49788
07-SEP-2011 03:44:03	27GamCas	76	49788
07-SEP-2011 04:00:28	34BetAur	42	49788
07-SEP-2011 04:05:03	66AlpGem	24	49788
07-SEP-2011 04:09:18	13MuGem	151	49788
07-SEP-2011 04:11:12	24GamGem	44	49788
07-SEP-2011 04:13:06	10AlpCMi	8	49788
07-SEP-2011 04:21:19	9AlpCMa	1	49788
07-SEP-2011 04:23:52	21EpsCMa	23	49788
07-SEP-2011 04:25:53	1ZetCMa	177	49788
07-SEP-2011 04:27:27	DSA1059	0	49788
07-SEP-2011 04:29:03	AlpCol	108	49788
07-SEP-2011 04:42:10	AlpEri	9	49789
07-SEP-2011 04:48:01	AlpPhe	84	49789
07-SEP-2011 04:53:39	24AlpPsA	18	49789
07-SEP-2011 05:07:46	54AlpPeg	90	49789
07-SEP-2011 05:11:59	44EtaPeg	164	49789
07-SEP-2011 05:22:18	11BetCas	74	49789
07-SEP-2011 05:24:17	27GamCas	76	49789
07-SEP-2011 05:40:42	34BetAur	42	49789
07-SEP-2011 05:45:17	66AlpGem	24	49789
07-SEP-2011 05:49:32	13MuGem	151	49789
07-SEP-2011 05:51:26	24GamGem	44	49789
07-SEP-2011 05:53:20	10AlpCMi	8	49789
07-SEP-2011 06:01:34	9AlpCMa	1	49789
07-SEP-2011 06:04:07	21EpsCMa	23	49789
07-SEP-2011 06:06:08	1ZetCMa	177	49789
07-SEP-2011 06:07:42	DSA1059	0	49789
07-SEP-2011 06:09:18	AlpCol	108	49789
07-SEP-2011 07:04:30	27GamCas	76	49790
07-SEP-2011 07:20:56	34BetAur	42	49790
07-SEP-2011 07:29:47	13MuGem	151	49790
07-SEP-2011 07:31:41	24GamGem	44	49790
07-SEP-2011 07:33:35	10AlpCMi	8	49790
07-SEP-2011 08:44:43	27GamCas	76	49791
07-SEP-2011 09:01:09	34BetAur	42	49791
07-SEP-2011 09:05:45	66AlpGem	24	49791
07-SEP-2011 09:10:01	13MuGem	151	49791
07-SEP-2011 09:11:55	24GamGem	44	49791
07-SEP-2011 09:42:53	AlpEri	9	49792
07-SEP-2011 10:24:57	27GamCas	76	49792

07-SEP-2011 10:41:23	34BetAur	42	49792
07-SEP-2011 10:45:59	66AlpGem	24	49792
07-SEP-2011 10:50:15	13MuGem	151	49792
07-SEP-2011 10:52:10	24GamGem	44	49792
07-SEP-2011 10:54:03	10AlpCMi	8	49792
07-SEP-2011 11:23:08	AlpEri	9	49793
07-SEP-2011 11:48:40	54AlpPeg	90	49793
07-SEP-2011 11:52:53	44EtaPeg	164	49793
07-SEP-2011 12:03:12	11BetCas	74	49793
07-SEP-2011 12:05:10	27GamCas	76	49793
07-SEP-2011 12:21:37	34BetAur	42	49793
07-SEP-2011 12:26:13	66AlpGem	24	49793
07-SEP-2011 12:30:30	13MuGem	151	49793
07-SEP-2011 12:32:24	24GamGem	44	49793
07-SEP-2011 12:34:18	10AlpCMi	8	49793
07-SEP-2011 13:28:54	54AlpPeg	90	49794
07-SEP-2011 13:33:07	44EtaPeg	164	49794
07-SEP-2011 13:45:23	27GamCas	76	49794
07-SEP-2011 14:01:51	34BetAur	42	49794
07-SEP-2011 14:06:27	66AlpGem	24	49794
07-SEP-2011 14:10:44	13MuGem	151	49794
07-SEP-2011 14:12:39	24GamGem	44	49794
07-SEP-2011 14:14:32	10AlpCMi	8	49794
07-SEP-2011 14:43:37	AlpEri	9	49795
07-SEP-2011 15:25:37	27GamCas	76	49795
07-SEP-2011 15:42:04	34BetAur	42	49795
07-SEP-2011 15:46:41	66AlpGem	24	49795
07-SEP-2011 15:50:59	13MuGem	151	49795
07-SEP-2011 15:52:53	24GamGem	44	49795
07-SEP-2011 17:05:50	27GamCas	76	49796
07-SEP-2011 17:22:18	34BetAur	42	49796
07-SEP-2011 17:26:56	66AlpGem	24	49796
07-SEP-2011 17:31:13	13MuGem	151	49796
07-SEP-2011 17:33:08	24GamGem	44	49796
07-SEP-2011 17:35:01	10AlpCMi	8	49796
07-SEP-2011 17:43:17	9AlpCMa	1	49796
07-SEP-2011 17:45:49	21EpsCMa	23	49796
07-SEP-2011 17:47:52	1ZetCMa	177	49796
07-SEP-2011 17:49:25	DSA1059	0	49796
07-SEP-2011 17:51:03	AlpCol	108	49796
07-SEP-2011 18:04:06	AlpEri	9	49797
07-SEP-2011 18:09:57	AlpPhe	84	49797
07-SEP-2011 18:15:32	24AlpPsA	18	49797
07-SEP-2011 18:29:35	54AlpPeg	90	49797
07-SEP-2011 18:33:48	44EtaPeg	164	49797
07-SEP-2011 18:44:05	11BetCas	74	49797
07-SEP-2011 18:46:03	27GamCas	76	49797
07-SEP-2011 19:02:32	34BetAur	42	49797
07-SEP-2011 19:07:10	66AlpGem	24	49797
07-SEP-2011 19:11:27	13MuGem	151	49797
07-SEP-2011 19:13:22	24GamGem	44	49797
07-SEP-2011 19:15:15	10AlpCMi	8	49797
07-SEP-2011 19:23:32	9AlpCMa	1	49797
07-SEP-2011 19:26:04	21EpsCMa	23	49797
07-SEP-2011 19:28:06	1ZetCMa	177	49797
07-SEP-2011 19:29:40	DSA1059	0	49797
07-SEP-2011 19:31:18	AlpCol	108	49797
07-SEP-2011 19:44:20	AlpEri	9	49798
07-SEP-2011 19:50:11	AlpPhe	84	49798

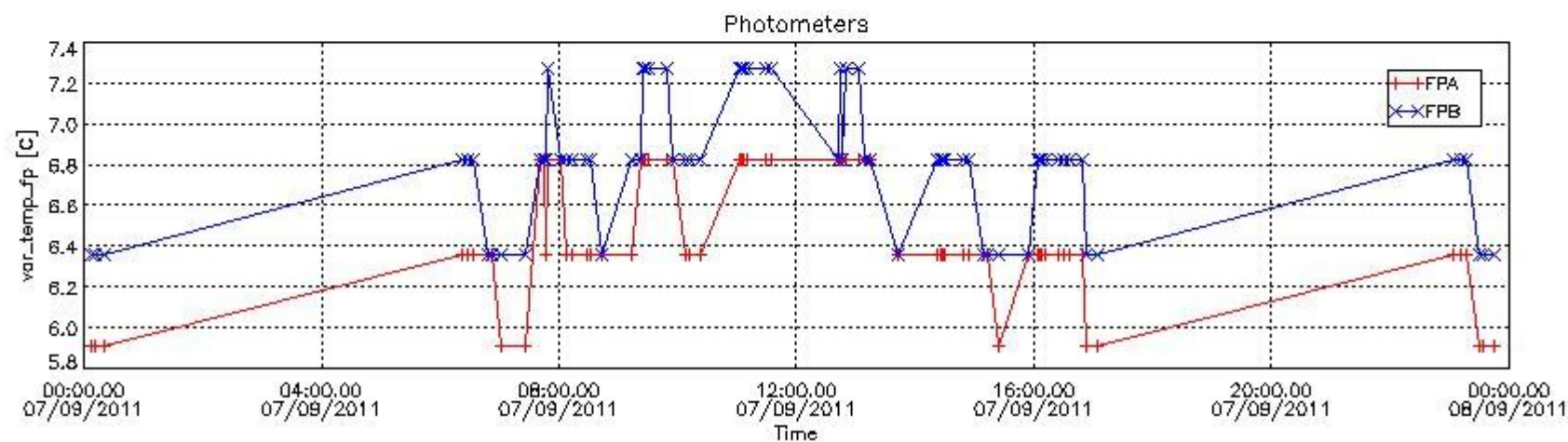
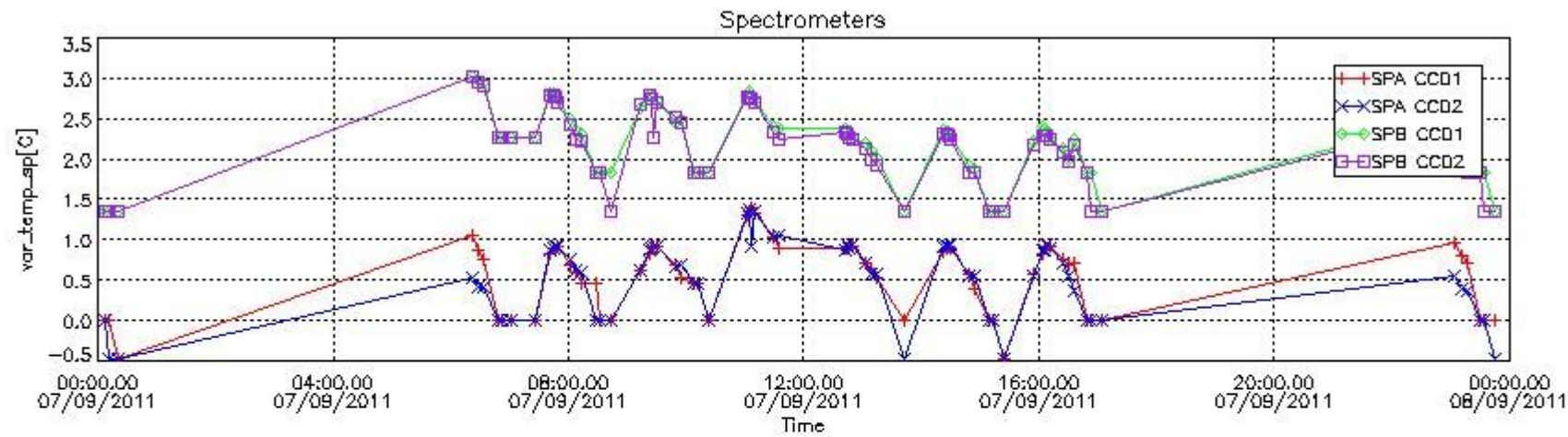
07-SEP-2011 19:55:46	24AlpPsA	18	49798
07-SEP-2011 20:09:49	54AlpPeg	90	49798
07-SEP-2011 20:14:01	44EtaPeg	164	49798
07-SEP-2011 20:24:19	11BetCas	74	49798
07-SEP-2011 20:26:17	27GamCas	76	49798
07-SEP-2011 20:42:46	34BetAur	42	49798
07-SEP-2011 20:47:24	66AlpGem	24	49798
07-SEP-2011 20:51:42	13MuGem	151	49798
07-SEP-2011 20:53:36	24GamGem	44	49798
07-SEP-2011 20:55:30	10AlpCMi	8	49798
07-SEP-2011 21:03:47	9AlpCMa	1	49798
07-SEP-2011 21:06:18	21EpsCMa	23	49798
07-SEP-2011 21:08:21	1ZetCMa	177	49798
07-SEP-2011 21:09:55	DSA1059	0	49798
07-SEP-2011 21:11:34	AlpCol	108	49798
07-SEP-2011 23:04:49	AlpEri	9	49800
07-SEP-2011 23:25:12	34AlpAqr	162	49800
07-SEP-2011 23:46:43	27GamCas	76	49800

2.4 Summary of processed GOM_TRA_1P products

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20110907_000701_000000433106_00203_49786_3914.N1	07-SEP-2011 00:07:01	Bright	43.000	90	54Alp Peg	2.4870	11000.	86	49786	No
2	GOM_TRA_1PNPDE20110907_001114_000000393106_00203_49786_3915.N1	07-SEP-2011 00:11:14	Bright	38.500	164	44Eta Peg	2.9480	5400.0	77	49786	No
3	GOM_TRA_1PNPDE20110907_002134_000000433106_00203_49786_3916.N1	07-SEP-2011 00:21:34	Bright	43.000	74	11Bet Cas	2.2680	6600.0	86	49786	No
4	GOM_TRA_1PNPDE20110907_062220_000000433106_00207_49790_4038.N1	07-SEP-2011 06:22:20	Dark	42.500	9	Alp Eri	0.45300	24000.	85	49790	No
5	GOM_TRA_1PNPDE20110907_062811_000000493106_00207_49790_4039.N1	07-SEP-2011 06:28:11	Straylight	48.500	84	Alp Phe	2.3970	4500.0	97	49790	No
6	GOM_TRA_1PNPDE20110907_063349_000000423106_00207_49790_4040.N1	07-SEP-2011 06:33:49	Straylight	42.000	18	24Alp PsA	1.1660	9700.0	84	49790	No
7	GOM_TRA_1PNPDE20110907_064755_000000443106_00207_49790_4041.N1	07-SEP-2011 06:47:55	Bright	43.500	90	54Alp Peg	2.4870	11000.	87	49790	No
8	GOM_TRA_1PNPDE20110907_065208_000000423106_00207_49790_4042.N1	07-SEP-2011 06:52:08	Bright	41.500	164	44Eta Peg	2.9480	5400.0	83	49790	No
9	GOM_TRA_1PNPDE20110907_070227_000000433106_00207_49790_4043.N1	07-SEP-2011 07:02:27	Bright	43.000	74	11Bet Cas	2.2680	6600.0	86	49790	No
10	GOM_TRA_1PNPDK20110907_072527_000000403106_00207_49790_1600.N1	07-SEP-2011 07:25:27	Bright	39.500	24	66Alp Gem	1.5800	10200.	79	49790	No
11	GOM_TRA_1PNPDK20110907_074144_000000623106_00207_49790_1601.N1	07-SEP-2011 07:41:44	Dark	61.500	1	9Alp CMa	-1.4400	11000.	123	49790	No
12	GOM_TRA_1PNPDK20110907_074417_000000493106_00207_49790_1602.N1	07-SEP-2011 07:44:17	Dark	49.000	23	21Eps CMa	1.5020	26000.	98	49790	No
13	GOM_TRA_1PNPDK20110907_074618_000000453106_00207_49790_1603.N1	07-SEP-2011 07:46:18	Dark	44.500	177	1Zet CMa	3.0220	26000.	89	49790	No
14	GOM_TRA_1PNPDK20110907_074929_000000483106_00207_49790_1604.N1	07-SEP-2011 07:49:29	Dark	48.000	108	Alp Col	2.6520	15200.	96	49790	No
15	GOM_TRA_1PNPDK20110907_080235_000000423106_00208_49791_1605.N1	07-SEP-2011 08:02:35	Dark	42.000	9	Alp Eri	0.45300	24000.	84	49791	No
16	GOM_TRA_1PNPDK20110907_080826_000000473106_00208_49791_1606.N1	07-SEP-2011 08:08:26	Straylight	46.500	84	Alp Phe	2.3970	4500.0	93	49791	No
17	GOM_TRA_1PNPDK20110907_081403_000000453106_00208_49791_1607.N1	07-SEP-2011 08:14:03	Straylight	45.000	18	24Alp PsA	1.1660	9700.0	90	49791	No
18	GOM_TRA_1PNPDK20110907_082809_000000433106_00208_49791_1650.N1	07-SEP-2011 08:28:09	Bright	43.000	90	54Alp Peg	2.4870	11000.	86	49791	No
19	GOM_TRA_1PNPDK20110907_083222_000000413106_00208_49791_1651.N1	07-SEP-2011 08:32:22	Bright	40.500	164	44Eta Peg	2.9480	5400.0	81	49791	No
20	GOM_TRA_1PNPDK20110907_084241_000000433106_00208_49791_1652.N1	07-SEP-2011 08:42:41	Bright	43.000	74	11Bet Cas	2.2680	6600.0	86	49791	No
21	GOM_TRA_1PNPDK20110907_091345_000000473106_00208_49791_1653.N1	07-SEP-2011 09:13:45	Twilight	46.500	8	10Alp CMi	0.40000	6500.0	93	49791	No
22	GOM_TRA_1PNPDK20110907_092159_000000533106_00208_49791_1654.N1	07-SEP-2011 09:21:59	Dark	52.500	1	9Alp CMa	-1.4400	11000.	105	49791	No
23	GOM_TRA_1PNPDK20110907_092432_000000483106_00208_49791_1655.N1	07-SEP-2011 09:24:32	Dark	47.500	23	21Eps CMa	1.5020	26000.	95	49791	No
24	GOM_TRA_1PNPDK20110907_092633_000000463106_00208_49791_1656.N1	07-SEP-2011 09:26:33	Dark	46.000	177	1Zet CMa	3.0220	26000.	92	49791	No
25	GOM_TRA_1PNPDK20110907_092944_000000493106_00208_49791_1657.N1	07-SEP-2011 09:29:44	Dark	48.500	108	Alp Col	2.6520	15200.	97	49791	No
26	GOM_TRA_1PNPDK20110907_094840_000000483106_00209_49792_1658.N1	07-SEP-2011 09:48:40	Straylight	48.000	84	Alp Phe	2.3970	4500.0	96	49792	No
27	GOM_TRA_1PNPDK20110907_095417_000000473106_00209_49792_1659.N1	07-SEP-2011 09:54:17	Straylight	46.500	18	24Alp PsA	1.1660	9700.0	93	49792	No
28	GOM_TRA_1PNPDK20110907_100823_000000433106_00209_49792_1721.N1	07-SEP-2011 10:08:23	Bright	42.500	90	54Alp Peg	2.4870	11000.	85	49792	No
29	GOM_TRA_1PNPDK20110907_101236_000000403106_00209_49792_1722.N1	07-SEP-2011 10:12:36	Bright	39.500	164	44Eta Peg	2.9480	5400.0	79	49792	No
30	GOM_TRA_1PNPDK20110907_102254_000000433106_00209_49792_1723.N1	07-SEP-2011 10:22:54	Bright	42.500	74	11Bet Cas	2.2680	6600.0	85	49792	No
31	GOM_TRA_1PNPDK20110907_110214_000000533106_00209_49792_1724.N1	07-SEP-2011 11:02:14	Dark	52.500	1	9Alp CMa	-1.4400	11000.	105	49792	No
32	GOM_TRA_1PNPDK20110907_110446_000000473106_00209_49792_1725.N1	07-SEP-2011 11:04:46	Dark	46.500	23	21Eps CMa	1.5020	26000.	93	49792	No
33	GOM_TRA_1PNPDK20110907_110648_000000473106_00209_49792_1726.N1	07-SEP-2011 11:06:48	Dark	46.500	177	1Zet CMa	3.0220	26000.	93	49792	No
34	GOM_TRA_1PNPDK20110907_110959_000000483106_00209_49792_1727.N1	07-SEP-2011 11:09:59	Dark	48.000	108	Alp Col	2.6520	15200.	96	49792	No
35	GOM_TRA_1PNPDK20110907_112855_000000503106_00210_49793_1728.N1	07-SEP-2011 11:28:55	Straylight	49.500	84	Alp Phe	2.3970	4500.0	99	49793	No
36	GOM_TRA_1PNPDK20110907_113431_000000423106_00210_49793_1729.N1	07-SEP-2011 11:34:31	Straylight	42.000	18	24Alp PsA	1.1660	9700.0	84	49793	No

37	GOM_TRA_1PNPDK20110907_124229_000000533106_00210_49793_1771.N1	07-SEP-2011 12:42:29	Dark	52.500	1	9Alp CMa	-1.4400	11000.	105	49793	No
38	GOM_TRA_1PNPDK20110907_124501_000000443106_00210_49793_1772.N1	07-SEP-2011 12:45:01	Dark	43.500	23	21Eps CMa	1.5020	26000.	87	49793	No
39	GOM_TRA_1PNPDK20110907_124703_000000463106_00210_49793_1773.N1	07-SEP-2011 12:47:03	Dark	45.500	177	1Zet CMa	3.0220	26000.	91	49793	No
40	GOM_TRA_1PNPDK20110907_125014_000000493106_00210_49793_1774.N1	07-SEP-2011 12:50:14	Dark	48.500	108	Alp Col	2.6520	15200.	97	49793	No
41	GOM_TRA_1PNPDK20110907_130318_000000443106_00211_49794_1775.N1	07-SEP-2011 13:03:18	Dark	44.000	9	Alp Eri	0.45300	24000.	88	49794	No
42	GOM_TRA_1PNPDK20110907_130909_000000443106_00211_49794_1776.N1	07-SEP-2011 13:09:09	Straylight	44.000	84	Alp Phe	2.3970	4500.0	88	49794	No
43	GOM_TRA_1PNPDK20110907_131445_000000413106_00211_49794_1777.N1	07-SEP-2011 13:14:45	Straylight	41.000	18	24Alp PsA	1.1660	9700.0	82	49794	No
44	GOM_TRA_1PNPDK20110907_134321_000000443106_00211_49794_1824.N1	07-SEP-2011 13:43:21	Bright	43.500	74	11Bet Cas	2.2680	6600.0	87	49794	No
45	GOM_TRA_1PNPDK20110907_142243_000000613106_00211_49794_1825.N1	07-SEP-2011 14:22:43	Dark	61.000	1	9Alp CMa	-1.4400	11000.	122	49794	No
46	GOM_TRA_1PNPDK20110907_142516_000000453106_00211_49794_1826.N1	07-SEP-2011 14:25:16	Dark	44.500	23	21Eps CMa	1.5020	26000.	89	49794	No
47	GOM_TRA_1PNPDK20110907_142718_000000443106_00211_49794_1827.N1	07-SEP-2011 14:27:18	Dark	43.500	177	1Zet CMa	3.0220	26000.	87	49794	No
48	GOM_TRA_1PNPDK20110907_143029_000000473106_00211_49794_1828.N1	07-SEP-2011 14:30:29	Dark	47.000	108	Alp Col	2.6520	15200.	94	49794	No
49	GOM_TRA_1PNPDK20110907_144924_000000513106_00212_49795_1829.N1	07-SEP-2011 14:49:24	Straylight	50.500	84	Alp Phe	2.3970	4500.0	101	49795	No
50	GOM_TRA_1PNPDK20110907_145500_000000443106_00212_49795_1830.N1	07-SEP-2011 14:55:00	Straylight	43.500	18	24Alp PsA	1.1660	9700.0	87	49795	No
51	GOM_TRA_1PNPDK20110907_150903_000000433106_00212_49795_1854.N1	07-SEP-2011 15:09:03	Bright	43.000	90	54Alp Peg	2.4870	11000.	86	49795	No
52	GOM_TRA_1PNPDK20110907_151316_000000403106_00212_49795_1855.N1	07-SEP-2011 15:13:16	Bright	40.000	164	44Eta Peg	2.9480	5400.0	80	49795	No
53	GOM_TRA_1PNPDK20110907_152334_000000403106_00212_49795_1856.N1	07-SEP-2011 15:23:34	Bright	40.000	74	11Bet Cas	2.2680	6600.0	80	49795	No
54	GOM_TRA_1PNPDK20110907_155442_000000503106_00212_49795_1857.N1	07-SEP-2011 15:54:42	Twilight	49.500	8	10Alp CMi	0.40000	6500.0	99	49795	No
55	GOM_TRA_1PNPDK20110907_160258_000000533106_00212_49795_1858.N1	07-SEP-2011 16:02:58	Dark	52.500	1	9Alp CMa	-1.4400	11000.	105	49795	No
56	GOM_TRA_1PNPDK20110907_160530_000000433106_00212_49795_1859.N1	07-SEP-2011 16:05:30	Dark	43.000	23	21Eps CMa	1.5020	26000.	86	49795	No
57	GOM_TRA_1PNPDK20110907_160733_000000453106_00212_49795_1860.N1	07-SEP-2011 16:07:33	Dark	44.500	177	1Zet CMa	3.0220	26000.	89	49795	No
58	GOM_TRA_1PNPDK20110907_161044_000000483106_00212_49795_1861.N1	07-SEP-2011 16:10:44	Dark	48.000	108	Alp Col	2.6520	15200.	96	49795	No
59	GOM_TRA_1PNPDK20110907_162347_000000443106_00213_49796_1862.N1	07-SEP-2011 16:23:47	Dark	43.500	9	Alp Eri	0.45300	24000.	87	49796	No
60	GOM_TRA_1PNPDK20110907_162938_000000493106_00213_49796_1863.N1	07-SEP-2011 16:29:38	Straylight	49.000	84	Alp Phe	2.3970	4500.0	98	49796	No
61	GOM_TRA_1PNPDK20110907_163514_000000453106_00213_49796_1892.N1	07-SEP-2011 16:35:14	Straylight	45.000	18	24Alp PsA	1.1660	9700.0	90	49796	No
62	GOM_TRA_1PNPDK20110907_164917_000000443106_00213_49796_1893.N1	07-SEP-2011 16:49:17	Bright	44.000	90	54Alp Peg	2.4870	11000.	88	49796	No
63	GOM_TRA_1PNPDK20110907_165330_000000413106_00213_49796_1894.N1	07-SEP-2011 16:53:30	Bright	40.500	164	44Eta Peg	2.9480	5400.0	81	49796	No
64	GOM_TRA_1PNPDK20110907_170348_000000433106_00213_49796_1895.N1	07-SEP-2011 17:03:48	Bright	42.500	74	11Bet Cas	2.2680	6600.0	85	49796	No
65	GOM_TRA_1PNPDE20110907_230323_000000403106_00217_49800_4287.N1	07-SEP-2011 23:03:23	Dark	39.500	143	Alp Hyi	2.8570	7200.0	79	49800	No
66	GOM_TRA_1PNPDE20110907_231036_000000473106_00217_49800_4288.N1	07-SEP-2011 23:10:36	Straylight	47.000	84	Alp Phe	2.3970	4500.0	94	49800	No
67	GOM_TRA_1PNPDE20110907_231611_000000443106_00217_49800_4289.N1	07-SEP-2011 23:16:11	Straylight	43.500	18	24Alp PsA	1.1660	9700.0	87	49800	No
68	GOM_TRA_1PNPDE20110907_233012_000000433106_00217_49800_4290.N1	07-SEP-2011 23:30:12	Bright	43.000	90	54Alp Peg	2.4870	11000.	86	49800	No
69	GOM_TRA_1PNPDE20110907_233425_000000413106_00217_49800_4291.N1	07-SEP-2011 23:34:25	Bright	41.000	164	44Eta Peg	2.9480	5400.0	82	49800	No
70	GOM_TRA_1PNPDE20110907_234441_000000443106_00217_49800_4292.N1	07-SEP-2011 23:44:41	Bright	44.000	74	11Bet Cas	2.2680	6600.0	88	49800	No

3. Plot of GOMOS spectrometers and photometers temperatures from level 1b data



4. Overview of dark signal processing per product

The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount its value measured on ground at the same temperature) and the "Random Telegraphic Signal" (abrupt change positive or negative of the CCD pixel signal, random in time, affecting only the DC part of the signal and not the photon generated signal).

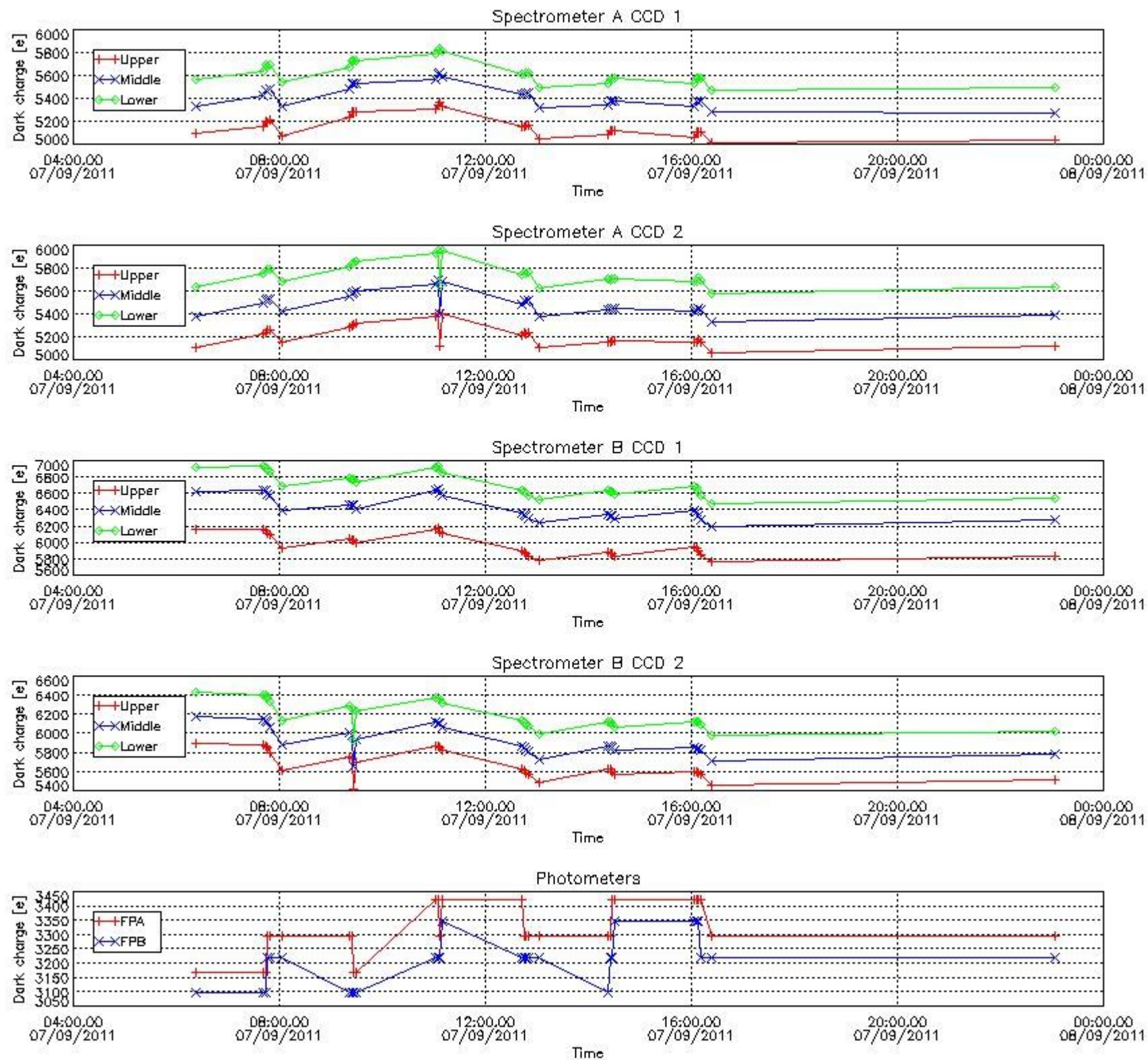
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

4.1 These products did not use the DSA observation for DC computation:

Product name	DC information
GOM_TRA_1PNPDE20110907_062220_000000433106_00207_49790_4038.N1	DC map used
GOM_TRA_1PNPDE20110907_062811_000000493106_00207_49790_4039.N1	DC map used
GOM_TRA_1PNPDE20110907_063349_000000423106_00207_49790_4040.N1	DC map used
GOM_TRA_1PNPDE20110907_064755_000000443106_00207_49790_4041.N1	DC map used
GOM_TRA_1PNPDE20110907_065208_000000423106_00207_49790_4042.N1	DC map used
GOM_TRA_1PNPDE20110907_070227_000000433106_00207_49790_4043.N1	DC map used
GOM_TRA_1PNPDK20110907_163514_000000453106_00213_49796_1892.N1	DC map used
GOM_TRA_1PNPDK20110907_164917_000000443106_00213_49796_1893.N1	DC map used
GOM_TRA_1PNPDK20110907_165330_000000413106_00213_49796_1894.N1	DC map used
GOM_TRA_1PNPDK20110907_170348_000000433106_00213_49796_1895.N1	DC map used
GOM_TRA_1PNPDE20110907_230323_000000403106_00217_49800_4287.N1	DC map used
GOM_TRA_1PNPDE20110907_231036_000000473106_00217_49800_4288.N1	DC map used
GOM_TRA_1PNPDE20110907_231611_000000443106_00217_49800_4289.N1	DC map used
GOM_TRA_1PNPDE20110907_233012_000000433106_00217_49800_4290.N1	DC map used

GOM_TRA_1PNPDE20110907_233425_000000413106_00217_49800_4291.N1	DC map used
GOM_TRA_1PNPDE20110907_234441_000000443106_00217_49800_4292.N1	DC map used

4.2 Plot of mean dark charges per product: only products in DARK limb conditions without errors are used



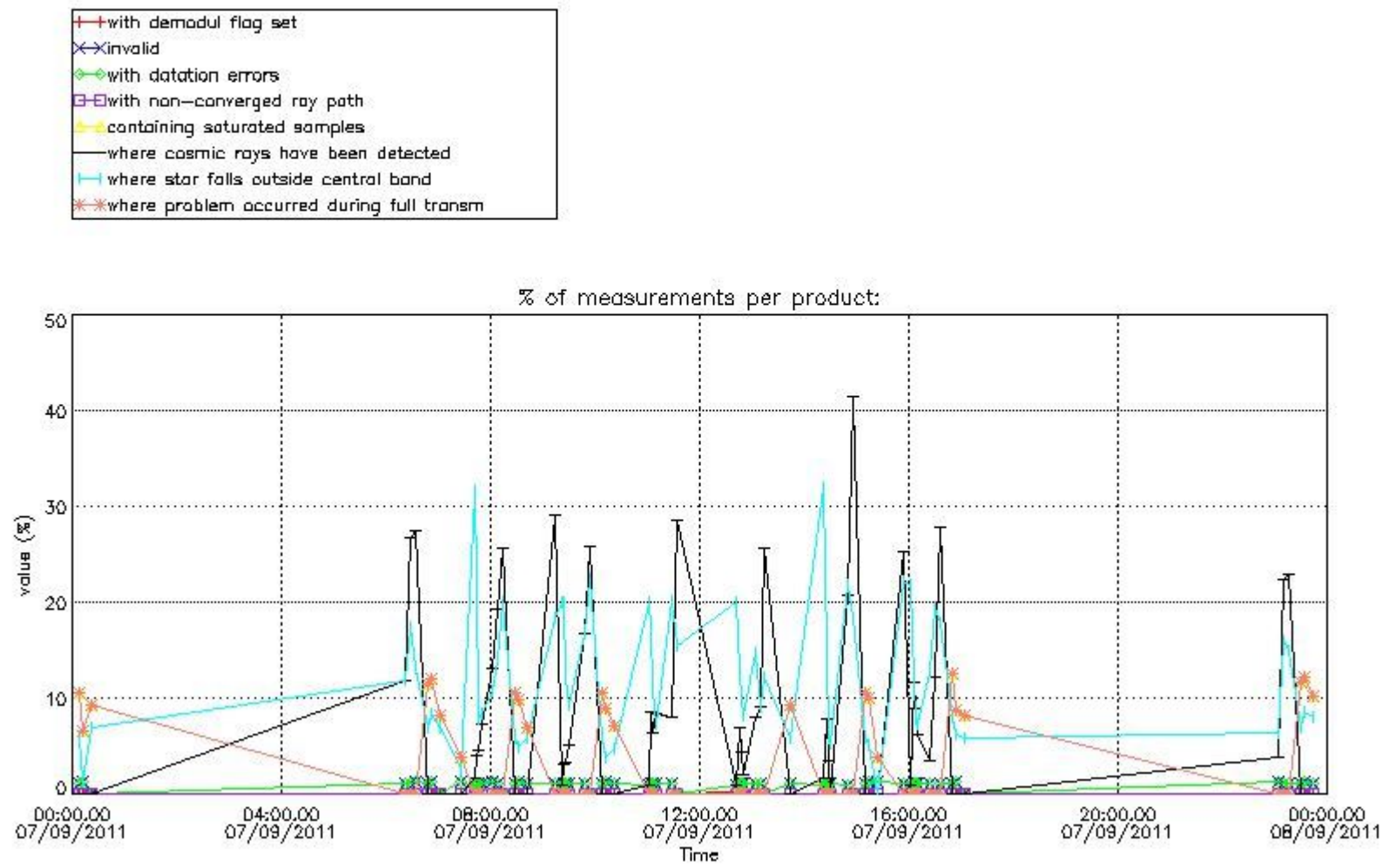
5. Demodulation flag and quality information monitoring

In this section it is presented the modulation information extracted from the pcd (product confidence data) at measurement level and information extracted from the Quality Summary dataset. Only products without errors (error flag in the MPH set to "0") are used.

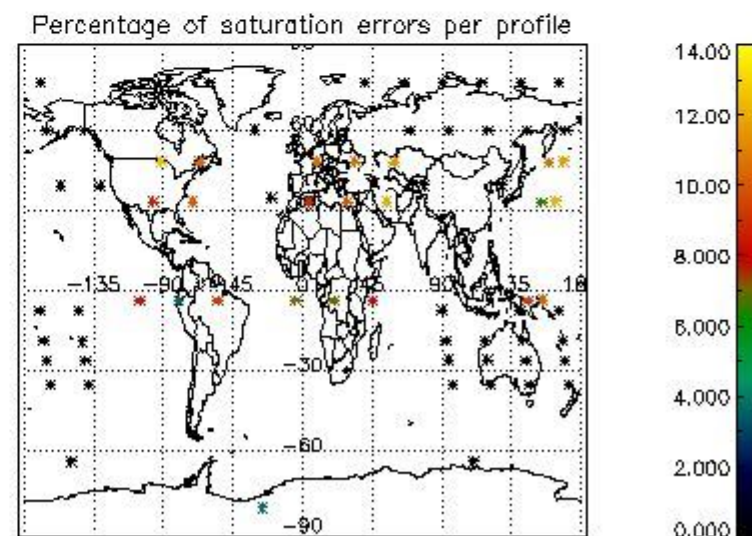
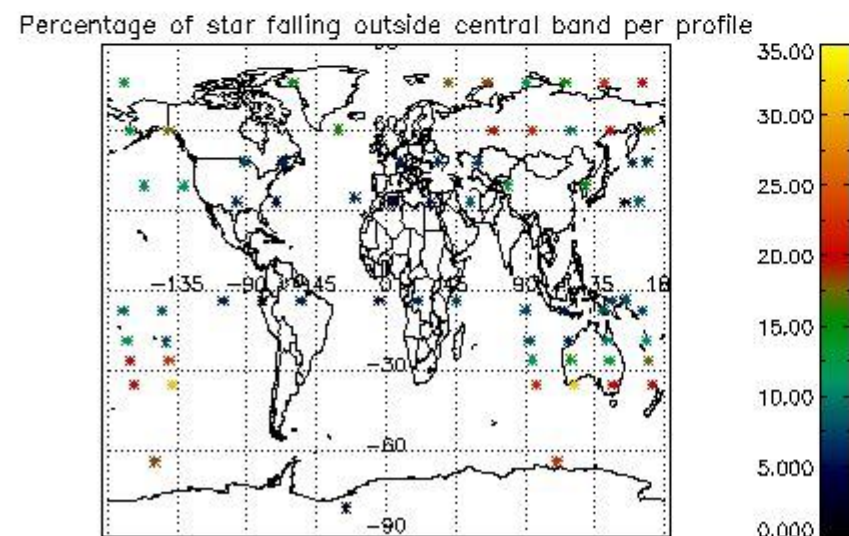
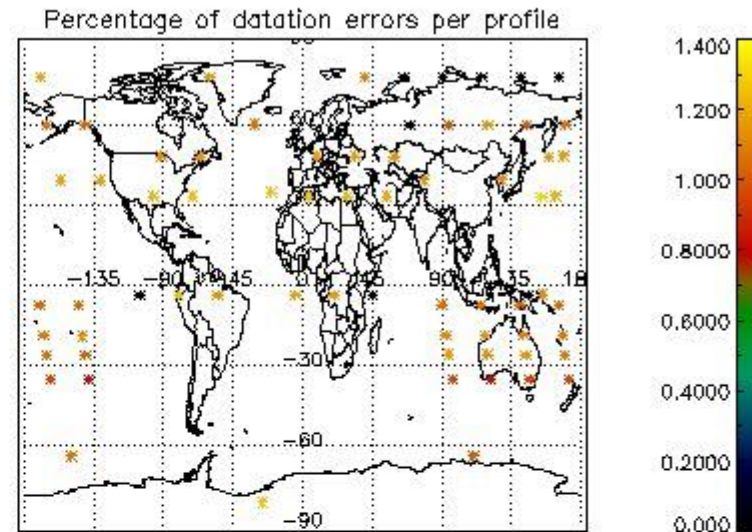
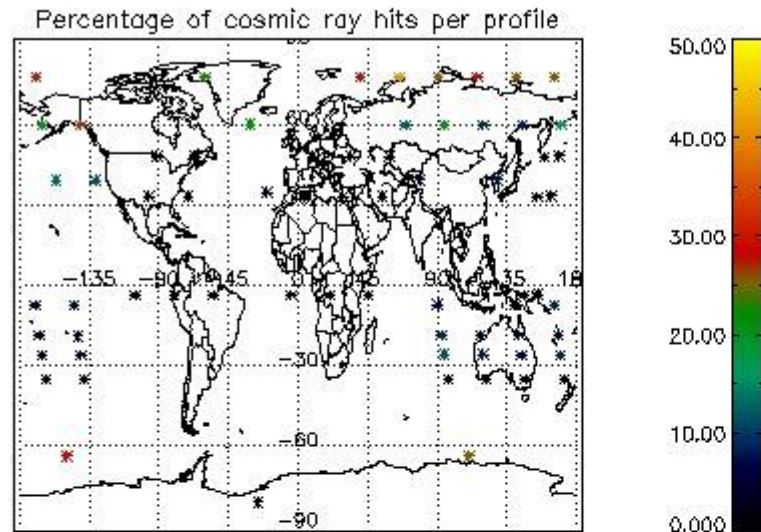
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	62.8571 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	32.8571 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)



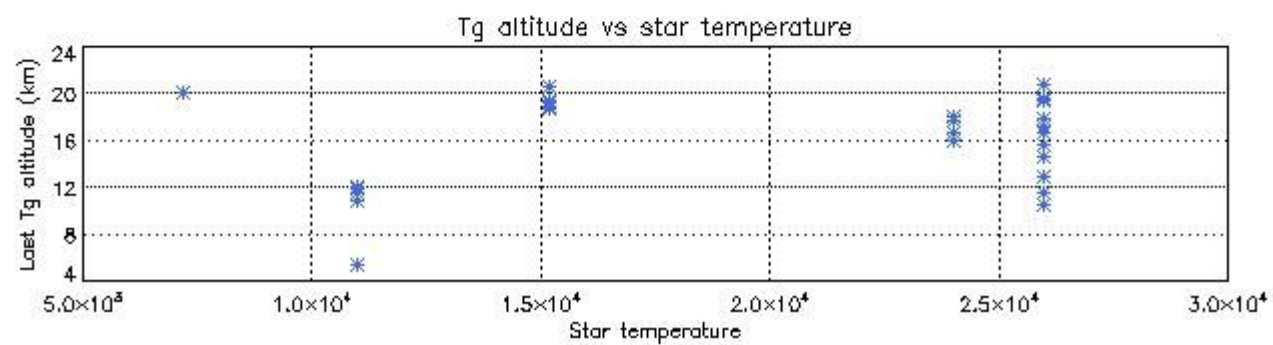
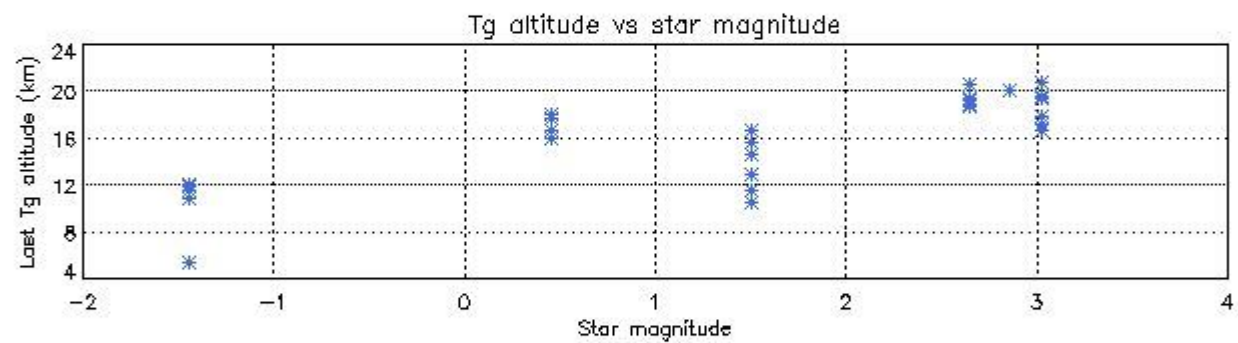
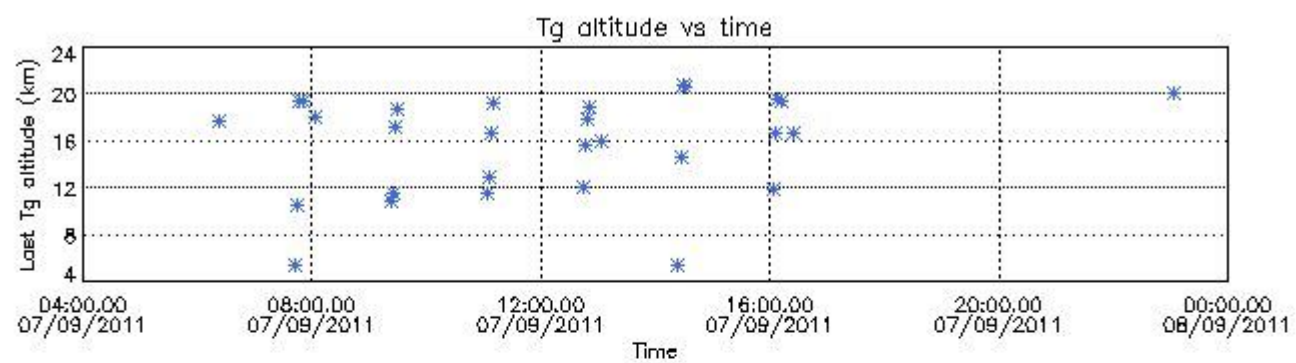
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	15.678	21.265	11.241
St. deviation:	4.2638	1.6310	1.8028
Maximum:	20.689	26.423	12.516
Minimum:	5.3685	19.246	9.9665
Number of data:	29.000	23.000	2.0000

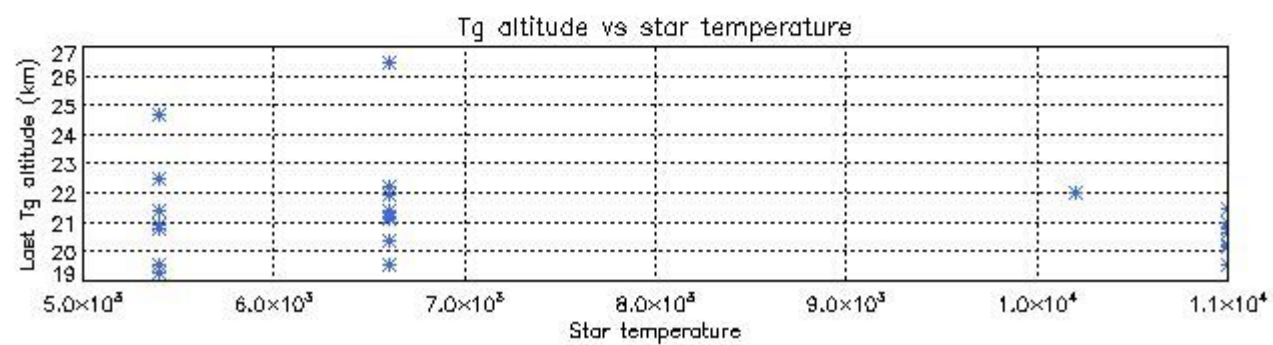
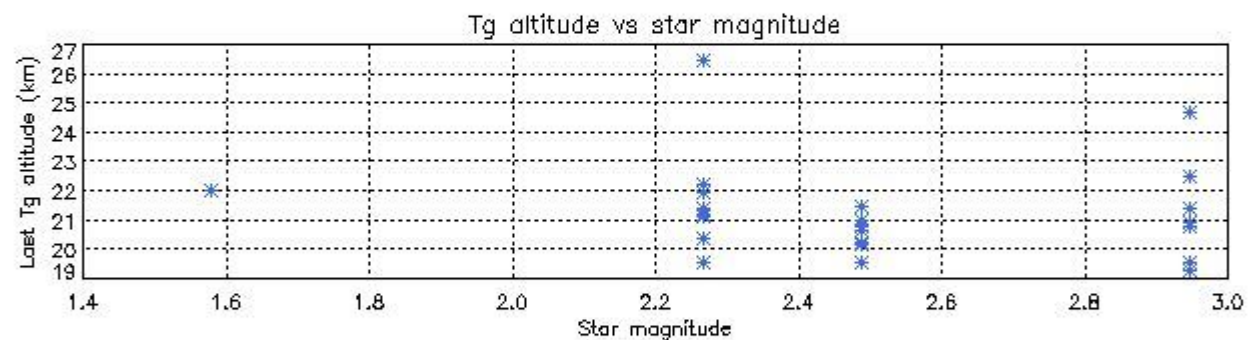
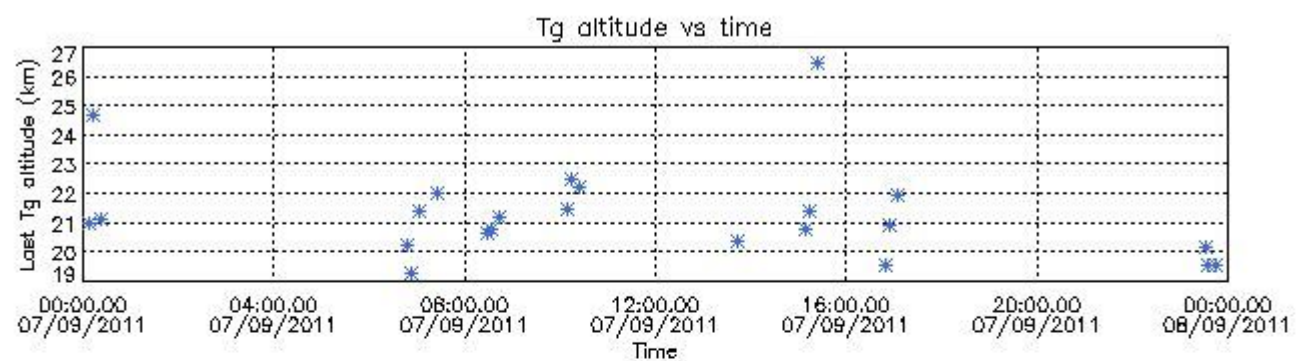
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



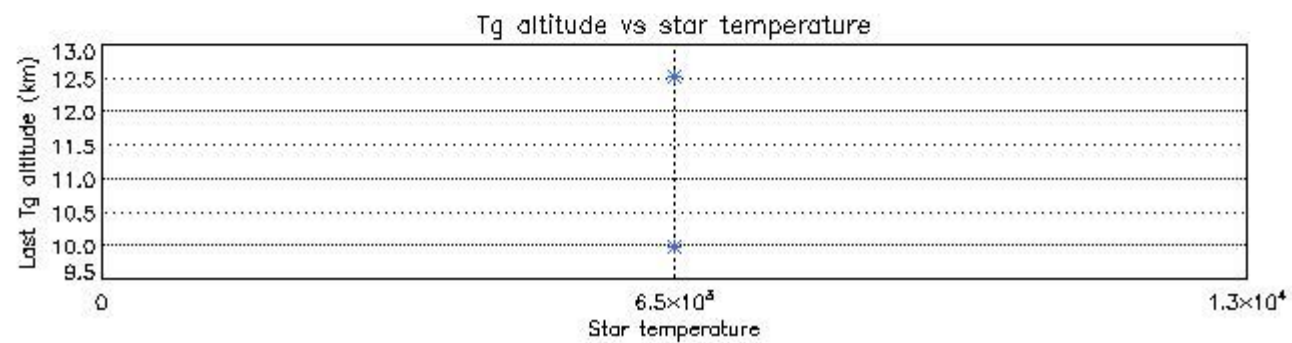
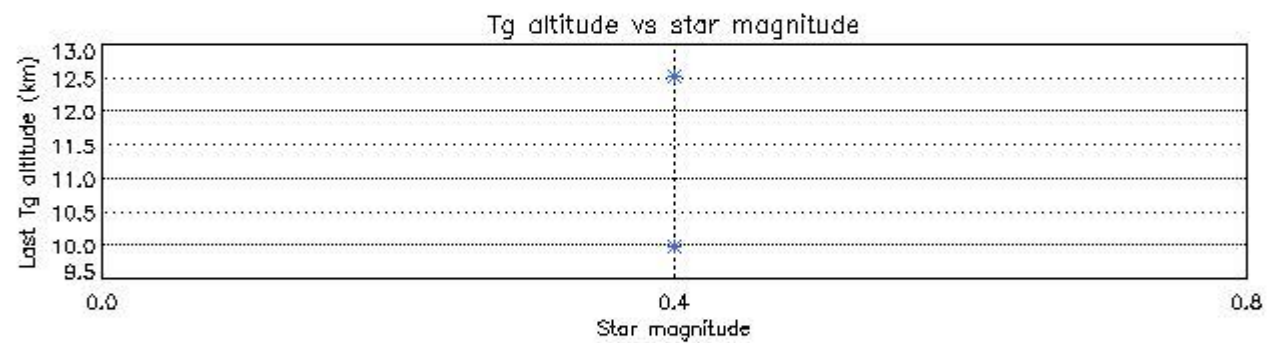
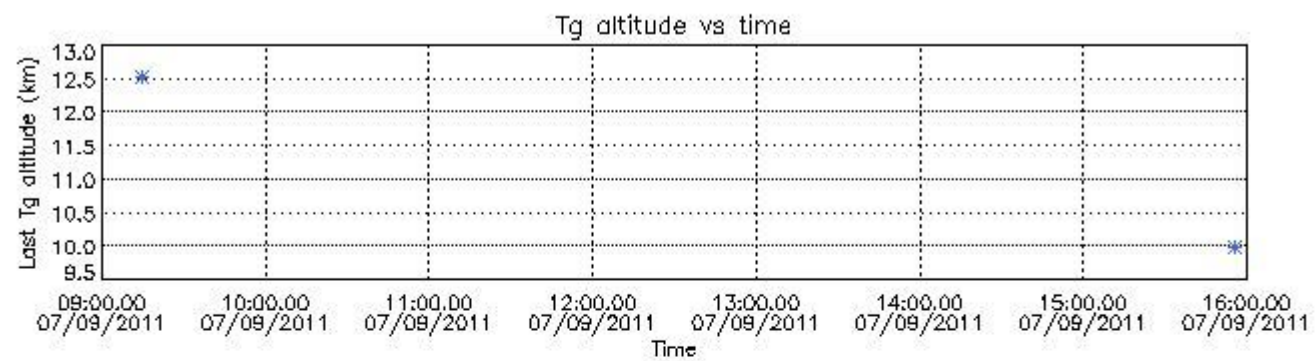
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

Tangent altitude at which the star is lost

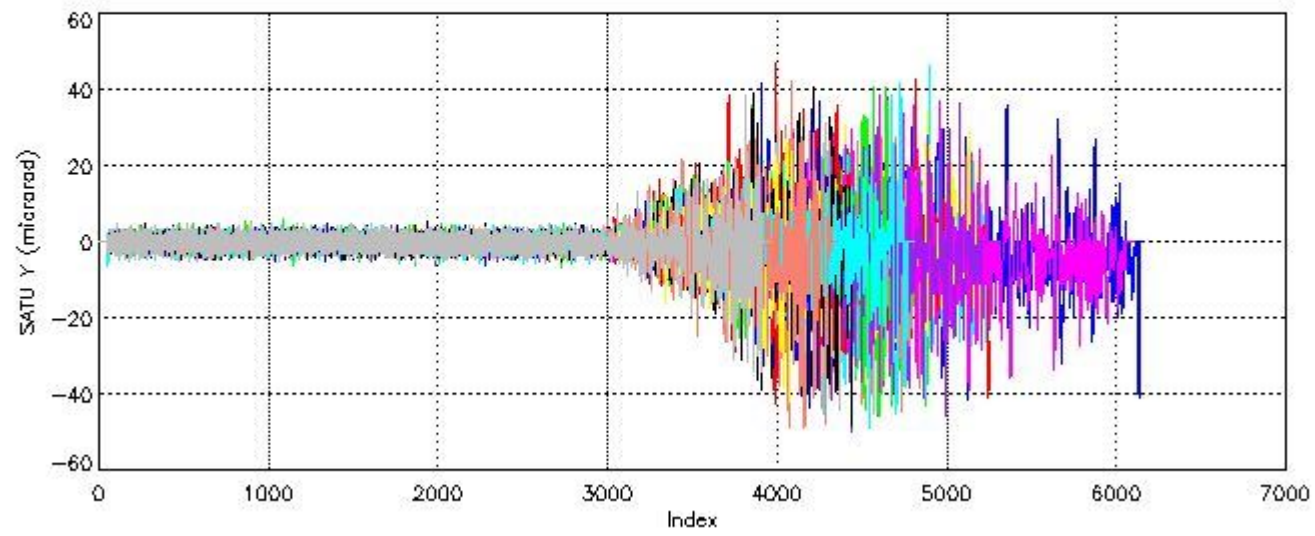
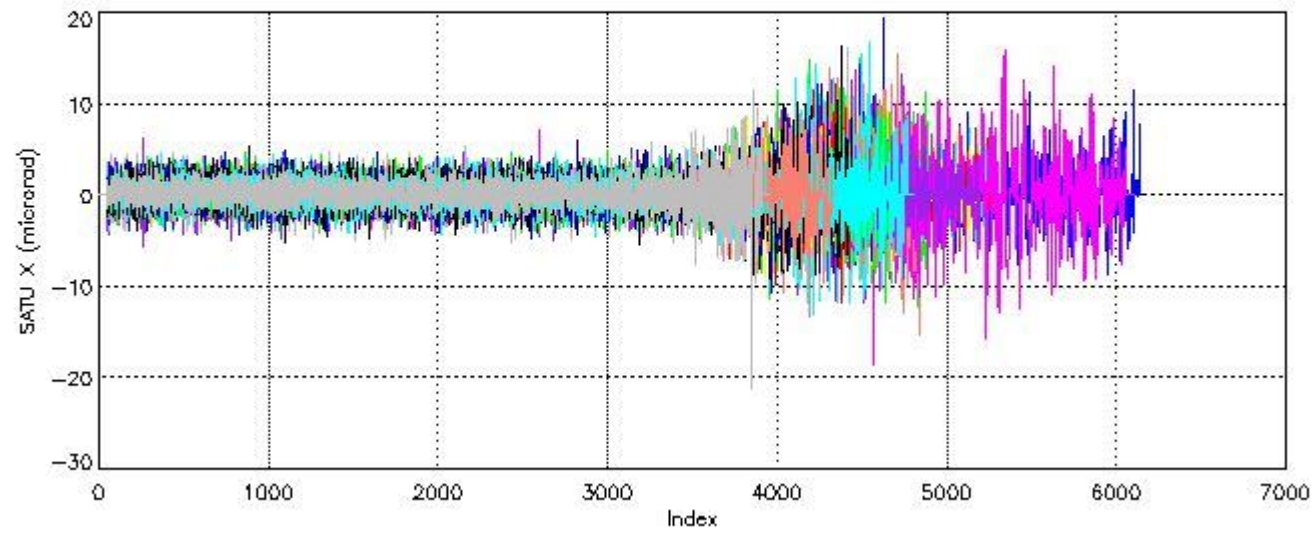


7. Star Acquisition and Tracking Unit (SATU)

The Star Acquisition and Tracking Unit (SATU) analyses the position of the tracked star beam collected by the GOMOS telescope and deflected by the optical beam dispatcher. The main function of the SATU is to detect a star, provide its image position to the science data electronics and to help the pointing function to keep the star image at a fixed position. In tracking mode the SATU data is recorded with a frequency of 100 Hz.

7.1 SATU 'X' and 'Y' axis plots (dark limb)

SATU CCD 'X' and 'Y' axis plots are provided in order to detect any abnormal behaviour of the tracking system. For every occultation (color) the plot should remain stable (with some noise) until we are deep in the atmosphere where big fluctuations are registered due to the refractive effects.



7.2 Statistics on SATU Noise Equivalent Angle (NEA) for DARK (D) and BRIGHT (B) products above 105 kms

The Star Acquisition and Tracking Unit (it is the CCD that tracks the star while it is occulted) Noise Equivalent Angle consists of the statistical angular variation of the SATU data above the atmosphere.

Statistics (in microradians) above 105 km are computed for every occultation, giving four values per occultation: one in the 'X' direction and one in the 'Y' direction for dark and bright limbs. A mean value per day in every direction and limb is calculated and monitored in order to assess instrument performance in terms of star pointing.

7.2.1 SATU NEA Statistics (table)

Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	0.18563	-0.22291	0.24848	-0.24029
St. deviation:	0.69709	0.80769	0.90011	1.0831
Maximum:	6.1000	5.2000	4.4000	7.0000
Minimum:	-5.6000	-6.4000	-4.9000	-5.8000

Number of data:	30100.	30100.	23100.	23100.
90Percentile:	1.2000	0.80000	1.4000	1.1000

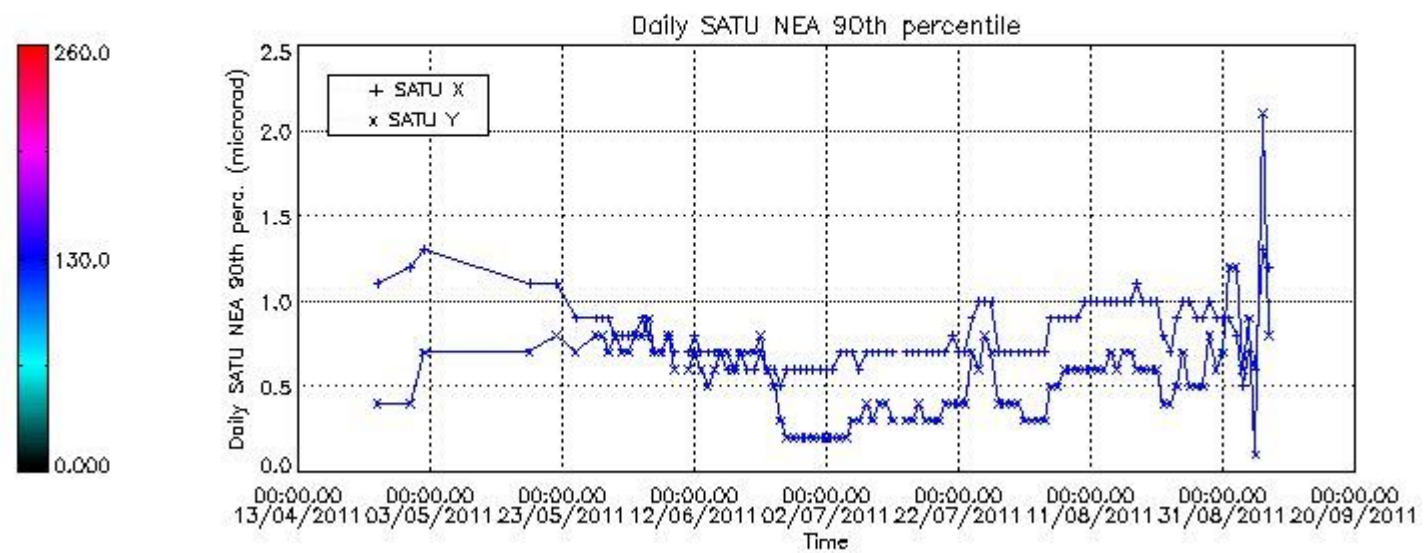
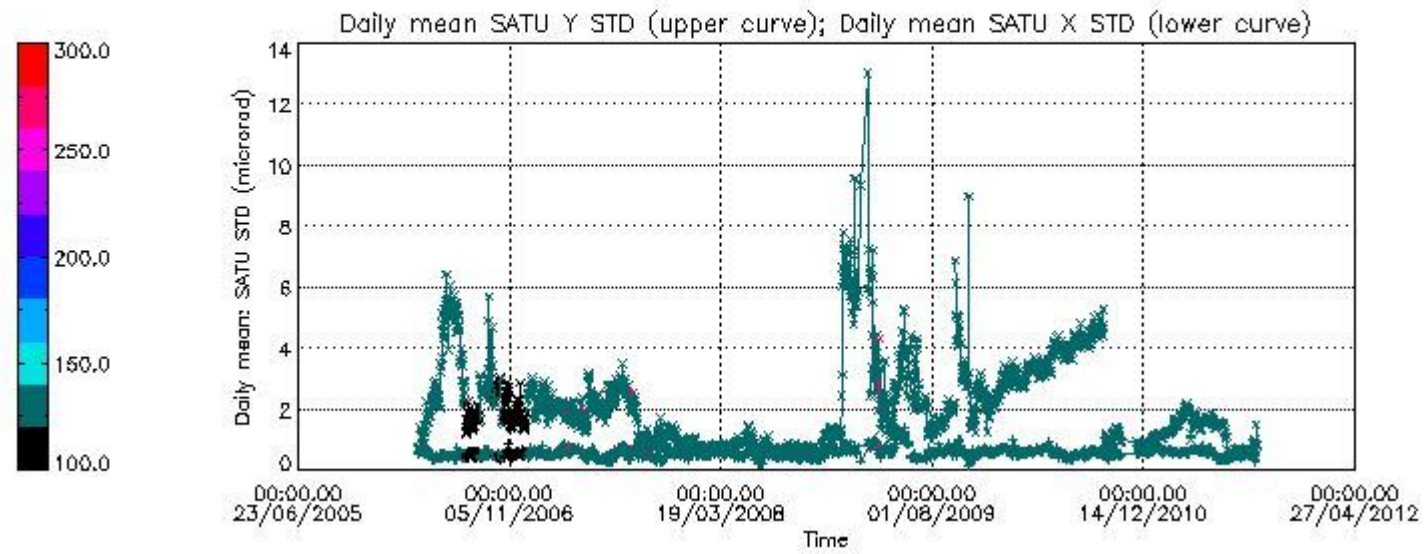
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb) and of daily SATU NEA 90th percentile since May 2011

The long term trend of the SATU 'X' and 'Y' standard deviations should be constant during the whole mission.

The colorbar represents the start tangent altitude (km) of the occultations.

Upper curve: STD of SATU Y axis

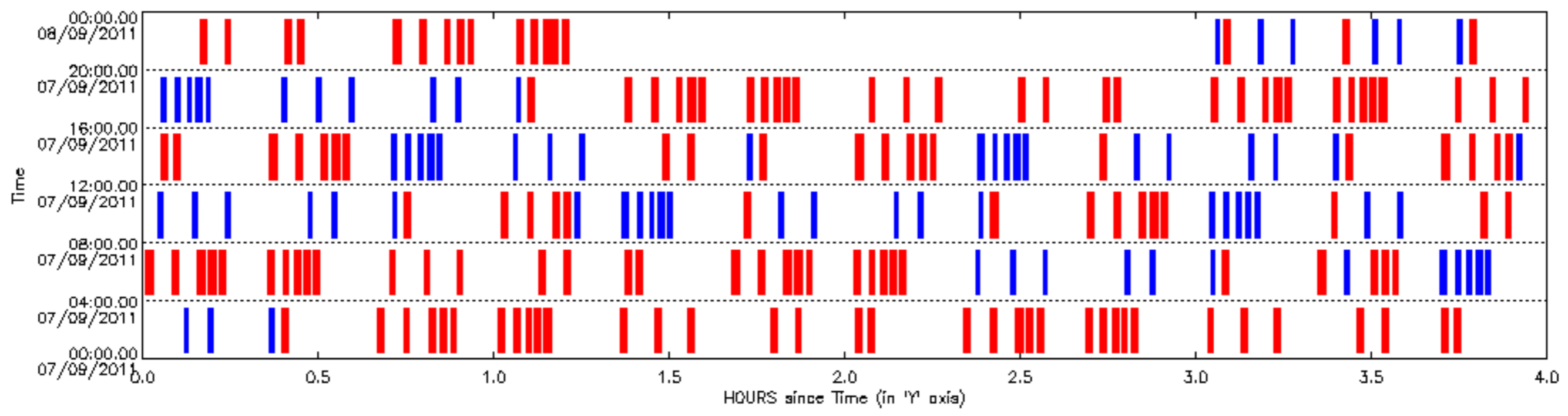
Lower curve: STD of SATU X axis

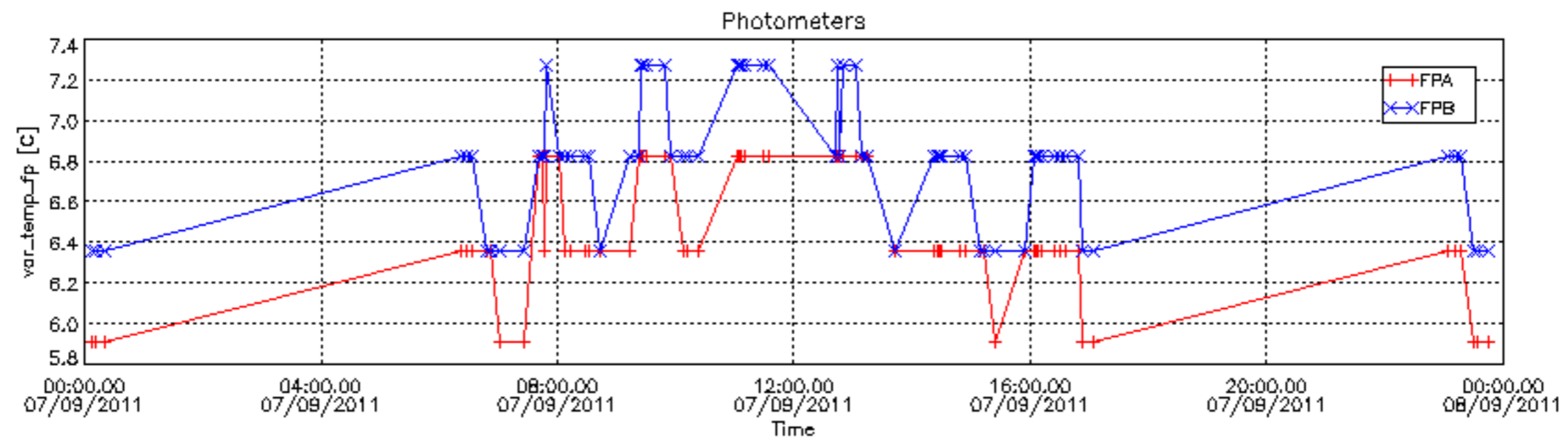
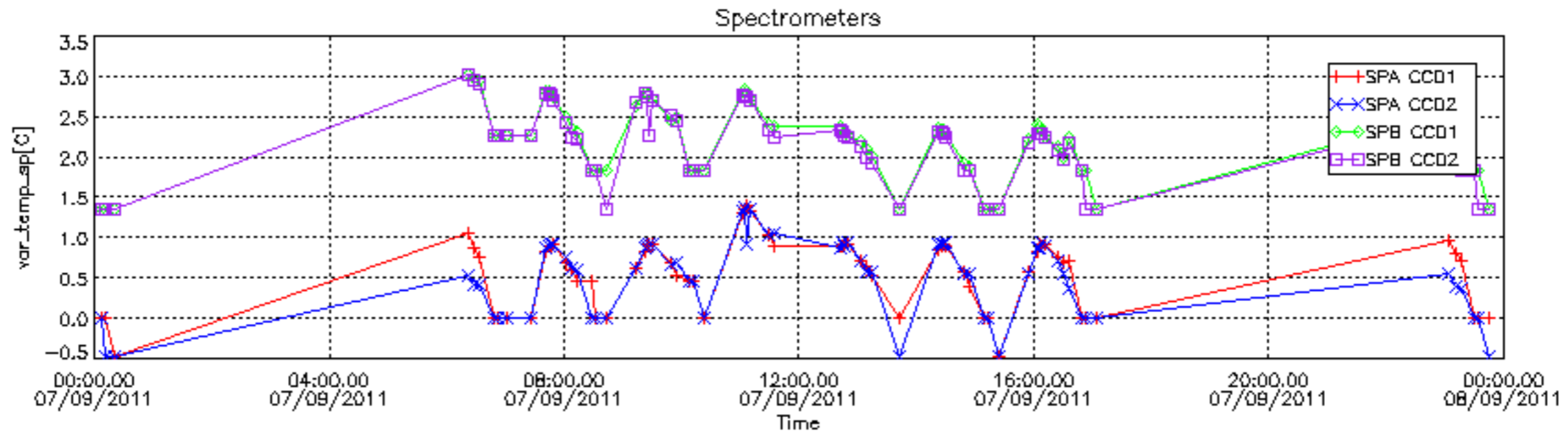


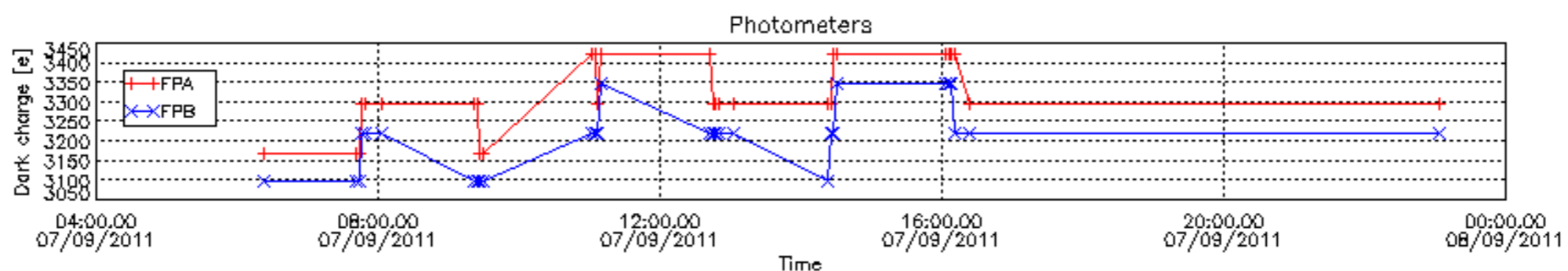
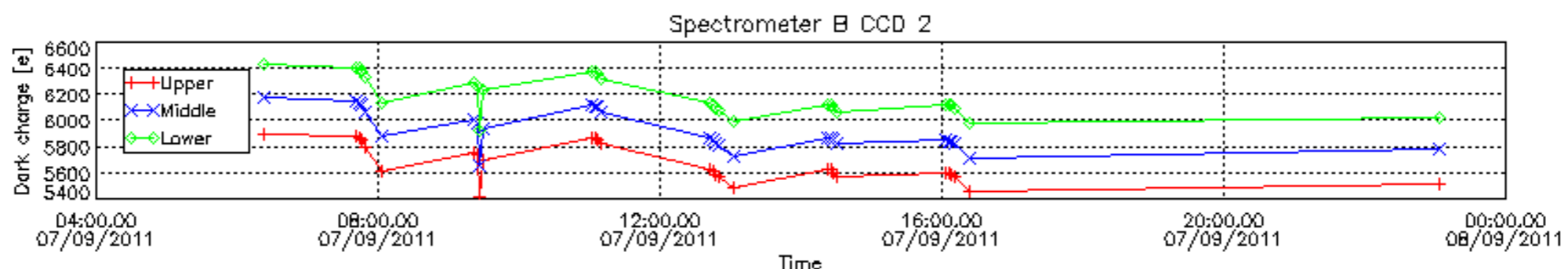
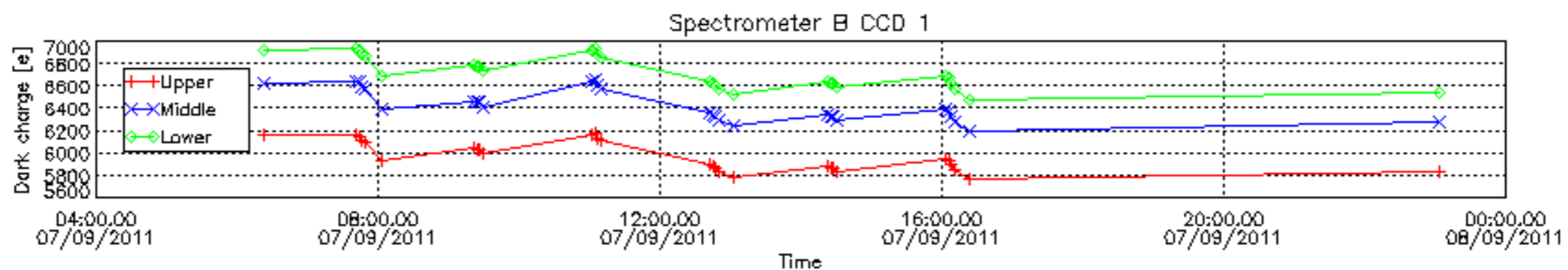
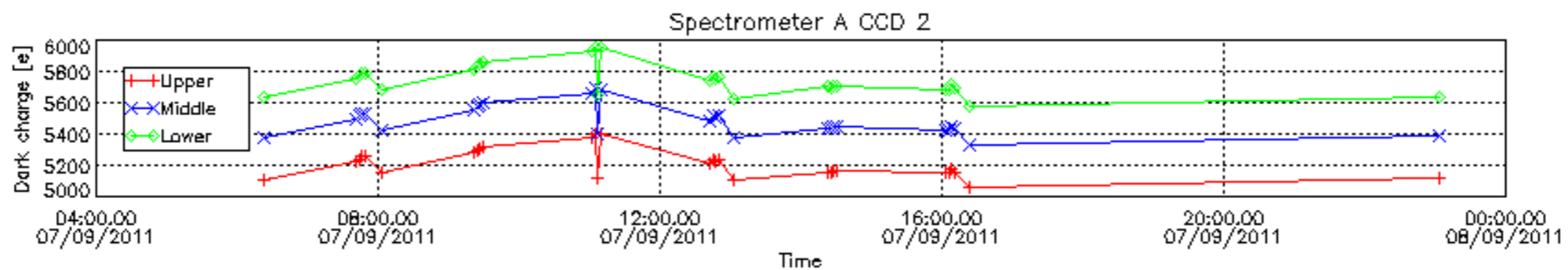
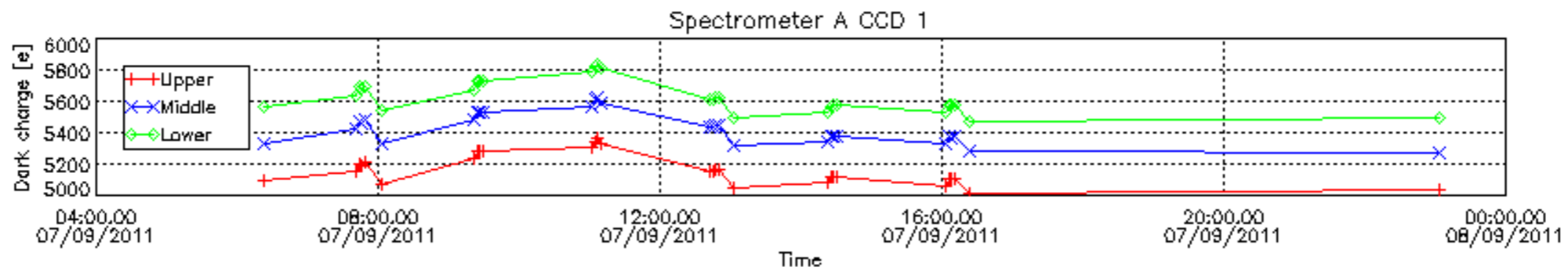
8. Auxiliary Data Files used for the production reported in section 2.4

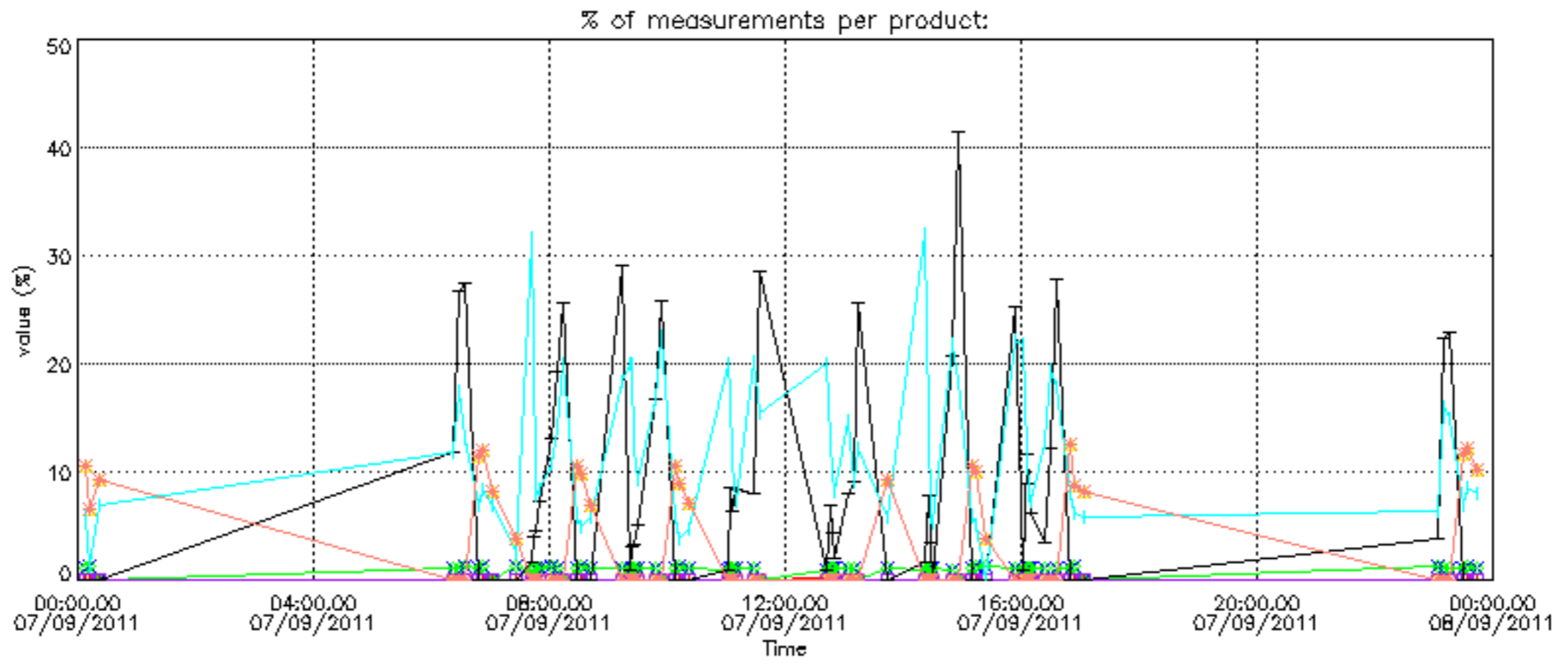
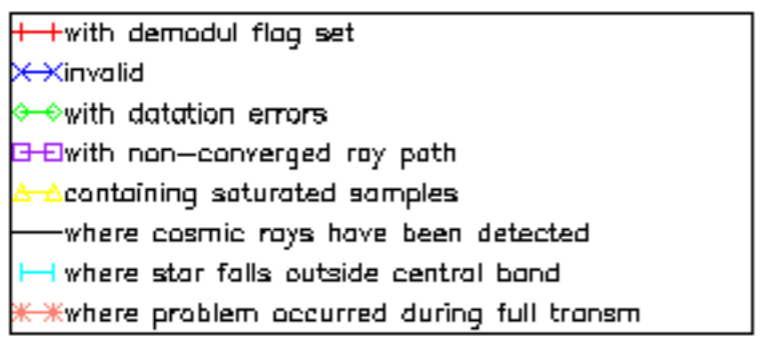
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	07-SEP-2011 00:07:01
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20110831_072221_20110829_000000_20500101_000000	1	07-SEP-2011 00:07:01
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20110513_081743_20020301_000000_20500101_000000	1	07-SEP-2011 00:07:01
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	07-SEP-2011 00:07:01
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	07-SEP-2011 00:07:01
ECMWF_FILE	AUX_ECF_AXNECM20110906_062114_20110906_210000_20110907_090000	1	07-SEP-2011 00:07:01
ECMWF_FILE	AUX_ECA_AXNECM20110907_055846_20110906_210000_20110907_090000	4	07-SEP-2011 06:22:20
ECMWF_FILE	AUX_ECF_AXNECM20110906_182218_20110907_030000_20110907_150000	18	07-SEP-2011 08:28:09
ECMWF_FILE	AUX_ECF_AXNECM20110907_063846_20110907_090000_20110907_210000	28	07-SEP-2011 10:08:23
ECMWF_FILE	AUX_ECF_AXNECM20110907_063846_20110907_150000_20110908_030000	51	07-SEP-2011 15:09:03
ECMWF_FILE	AUX_ECF_AXNECM20110907_063846_20110907_210000_20110908_090000	65	07-SEP-2011 23:03:23
OPTIONAL_ECMWF_FILE	MISSING	1	07-SEP-2011 00:07:01
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20110906_102218_20110905_190629_20110915_212014	1	07-SEP-2011 00:07:01
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20110907_101846_20110906_182945_20110916_204330	28	07-SEP-2011 10:08:23

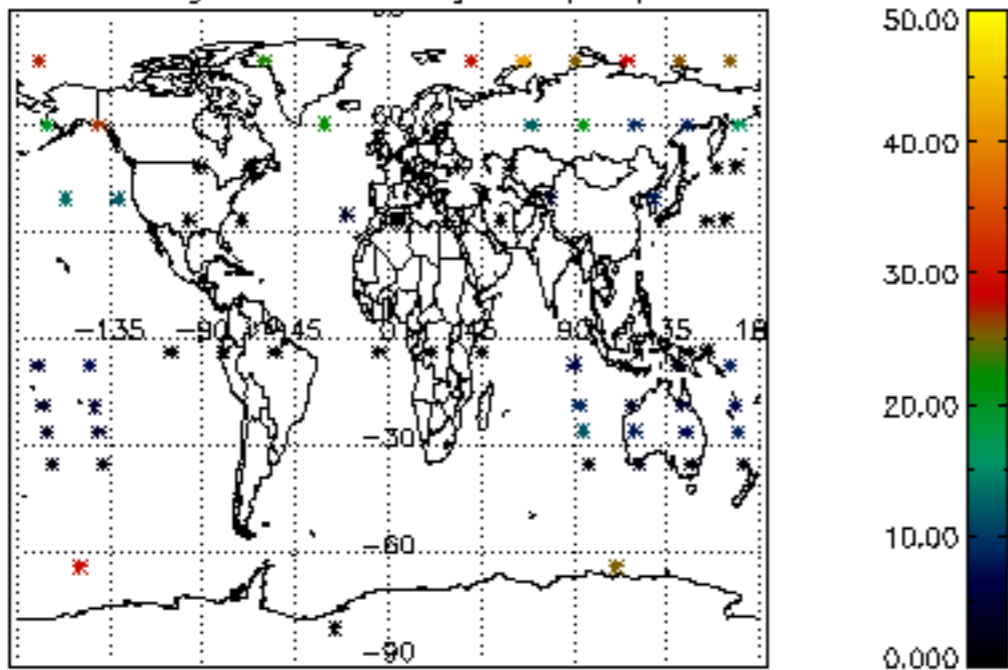




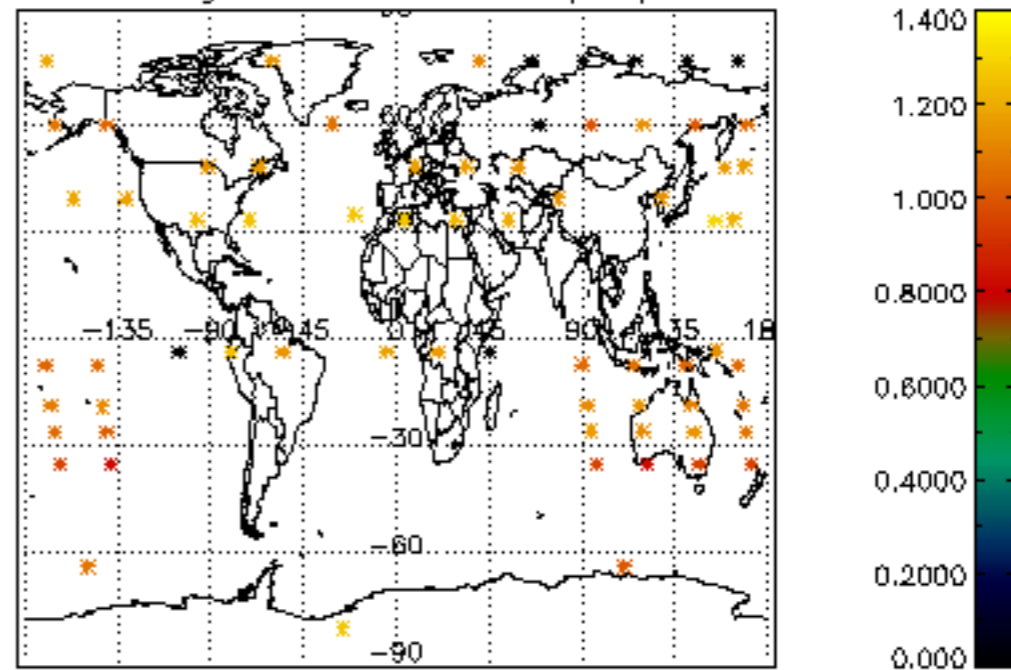




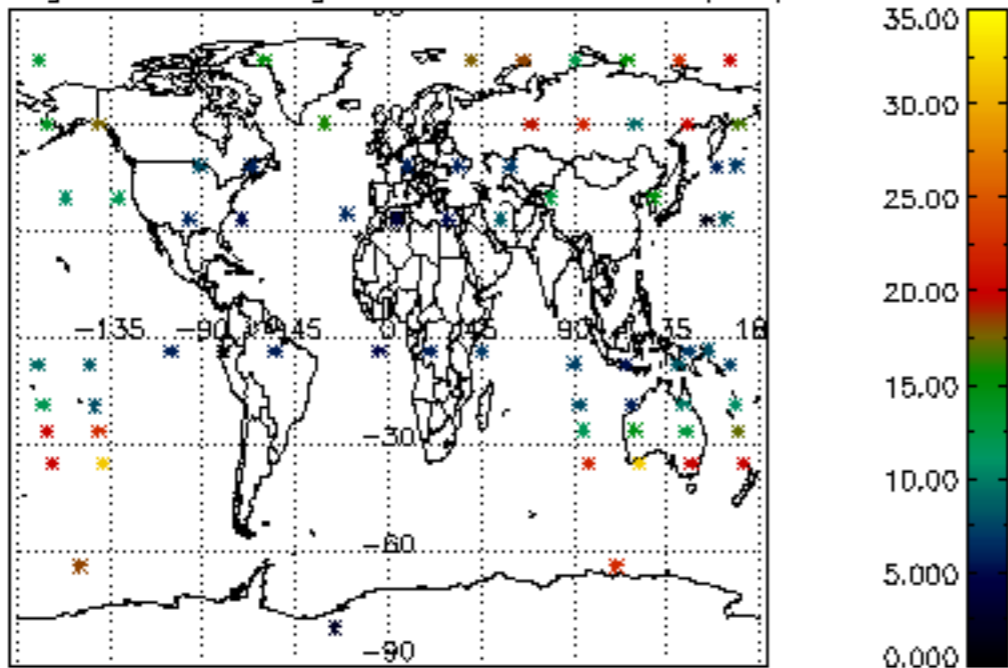
Percentage of cosmic ray hits per profile



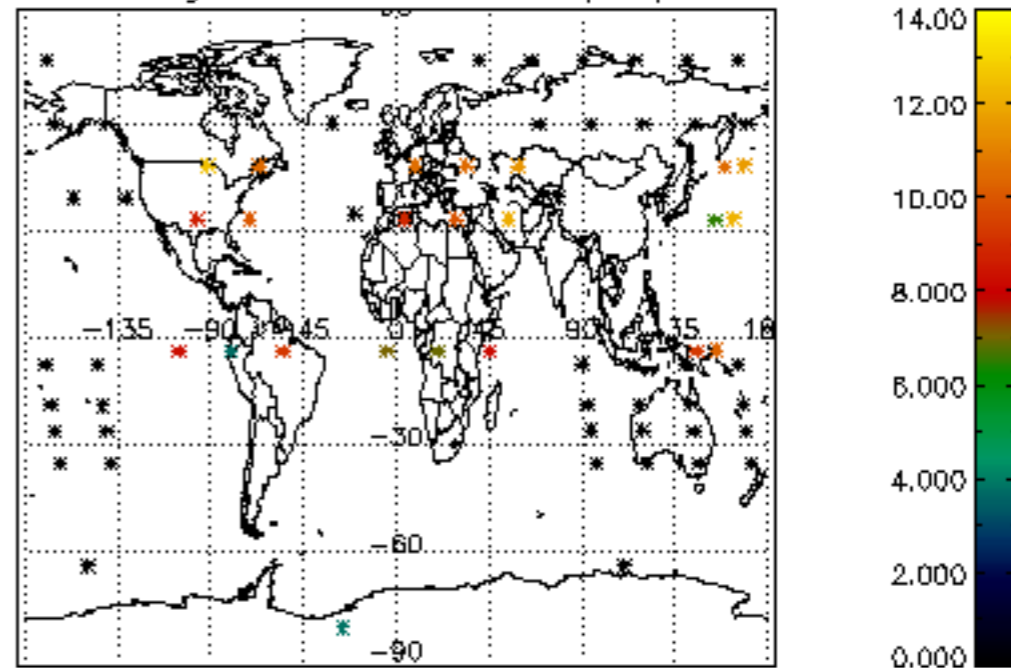
Percentage of datation errors per profile



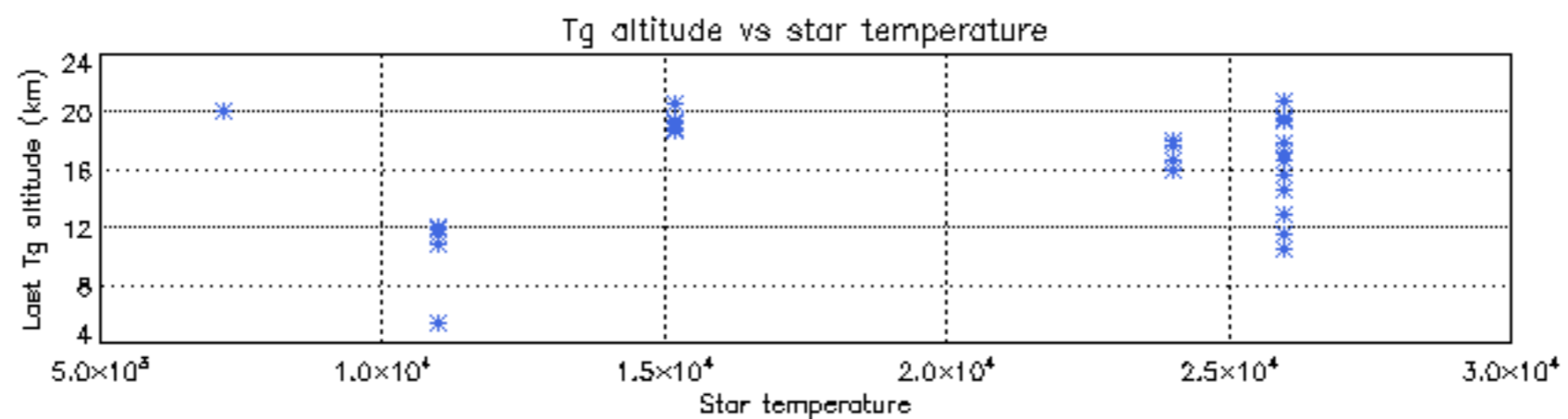
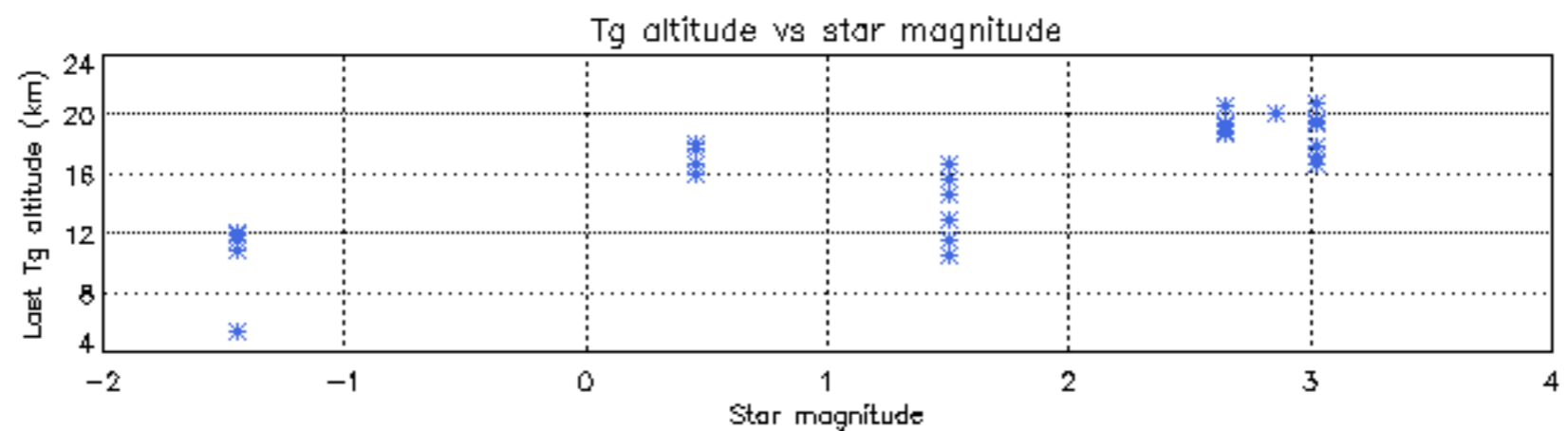
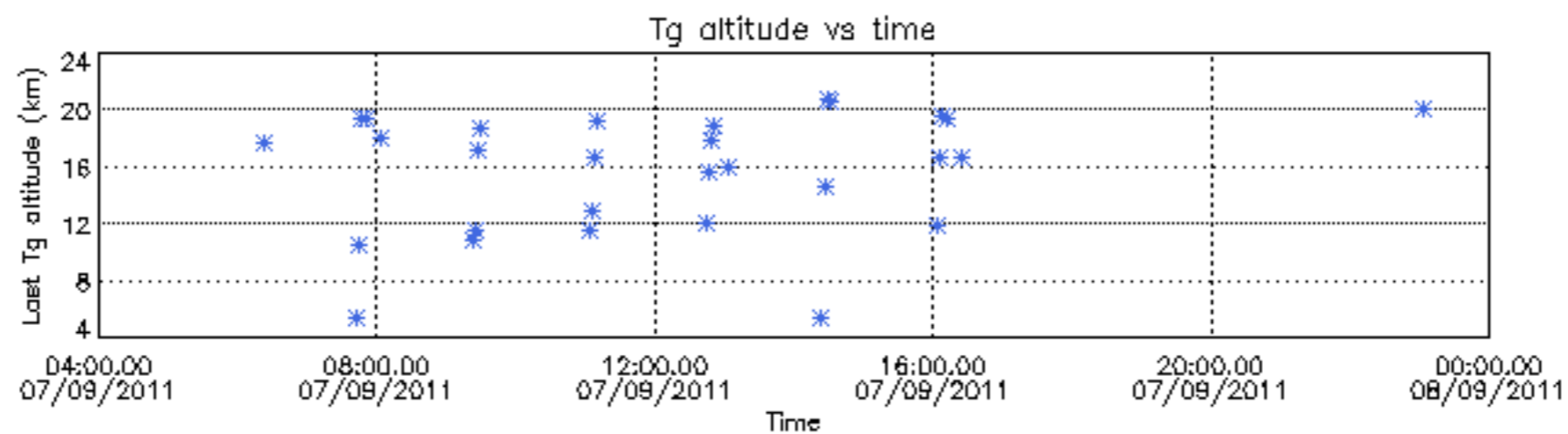
Percentage of star falling outside central band per profile



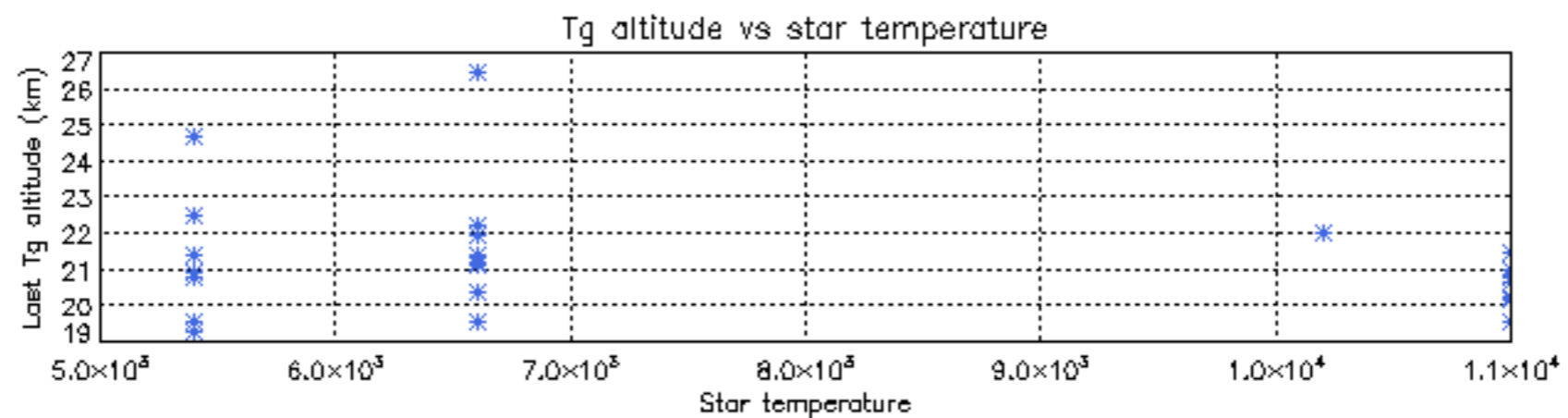
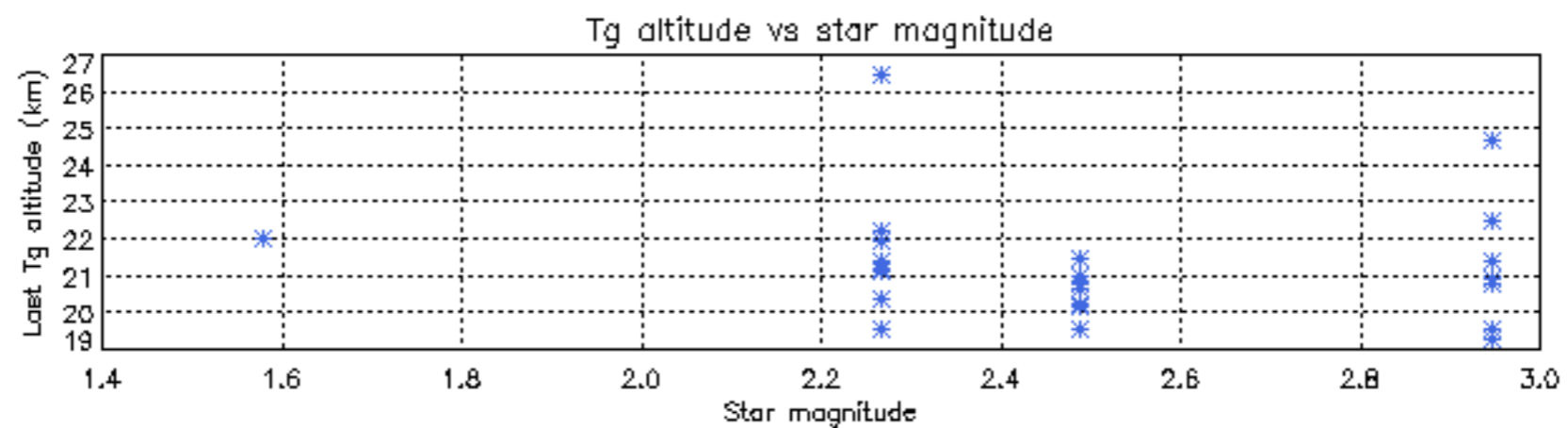
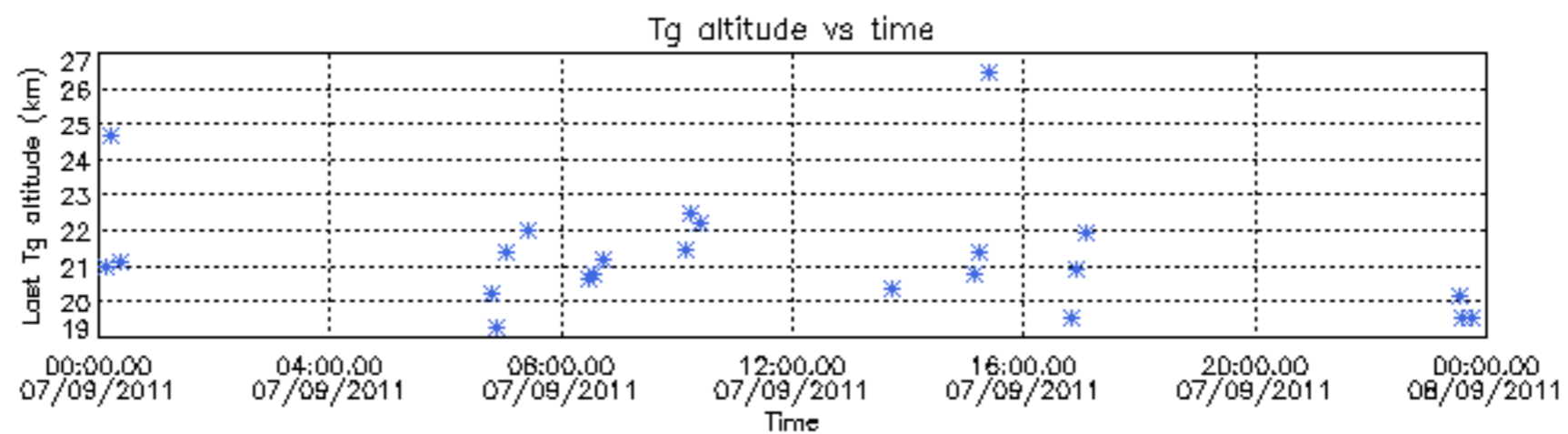
Percentage of saturation errors per profile



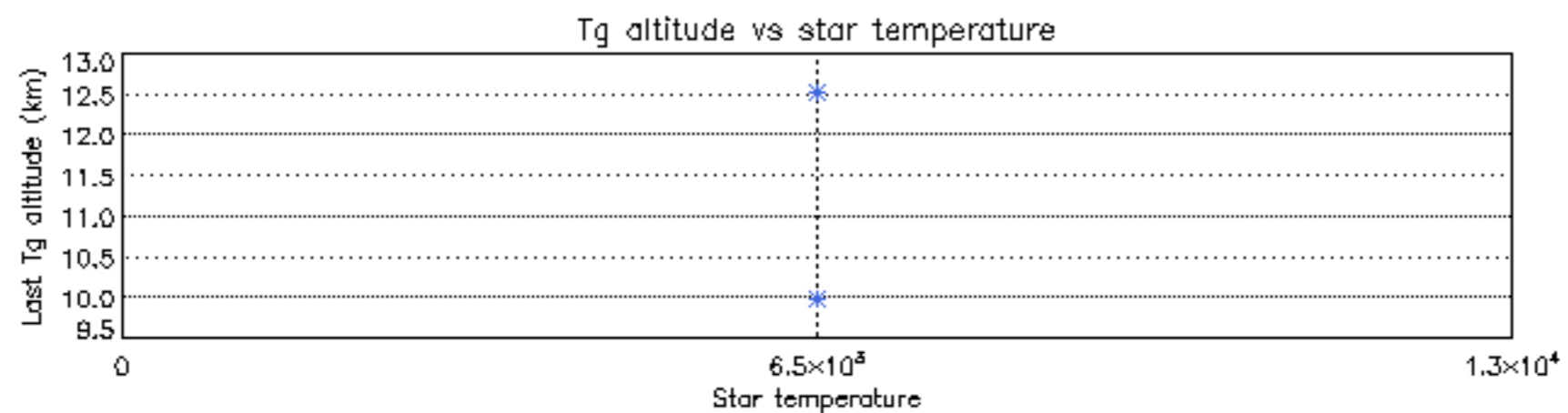
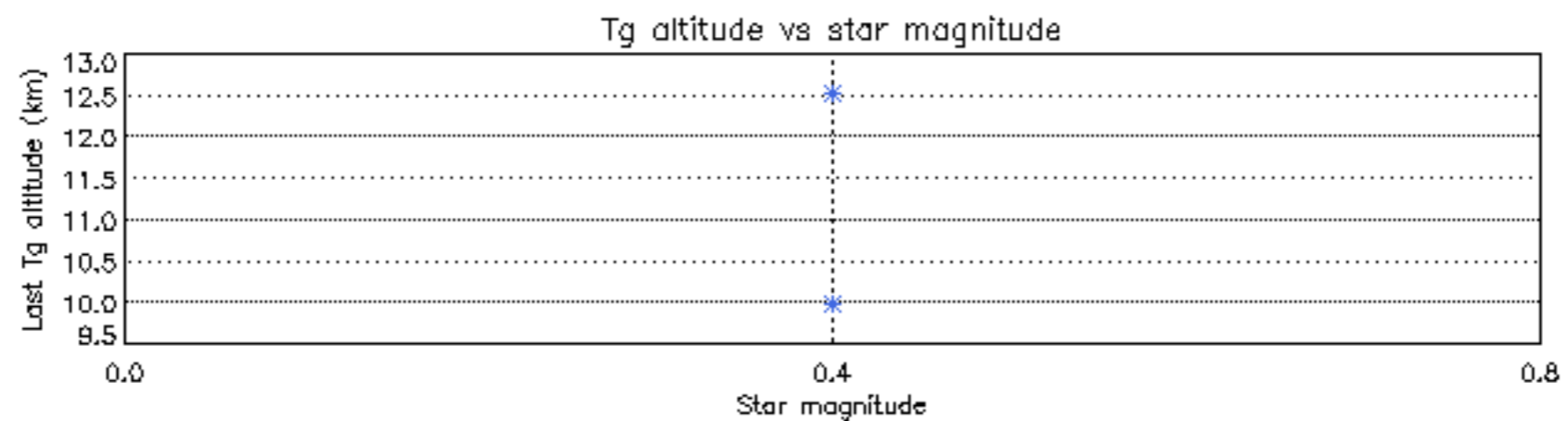
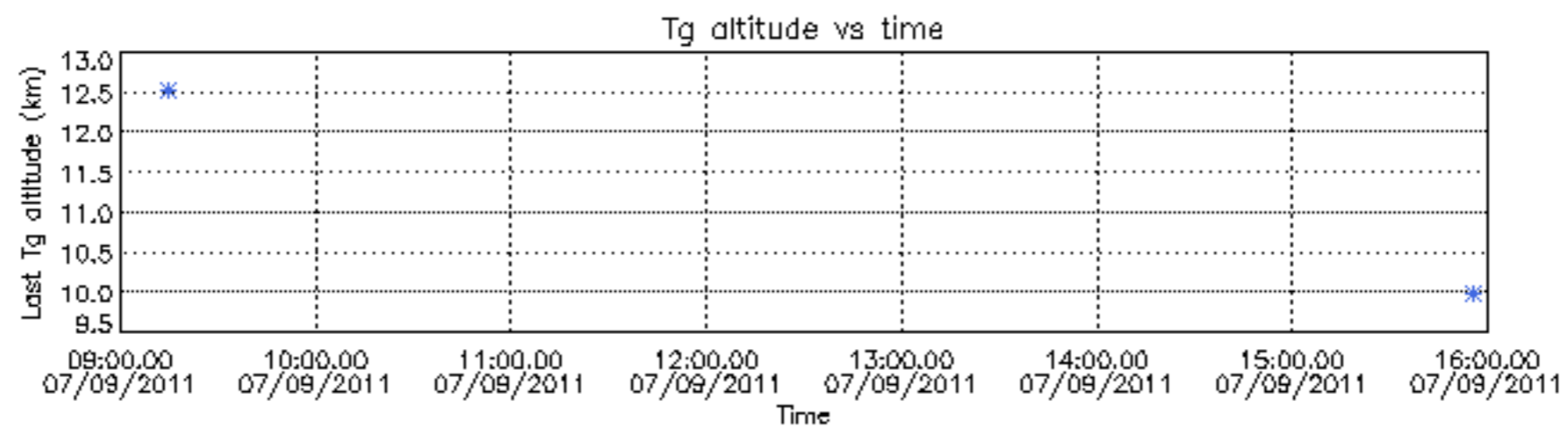
Tangent altitude at which the star is lost

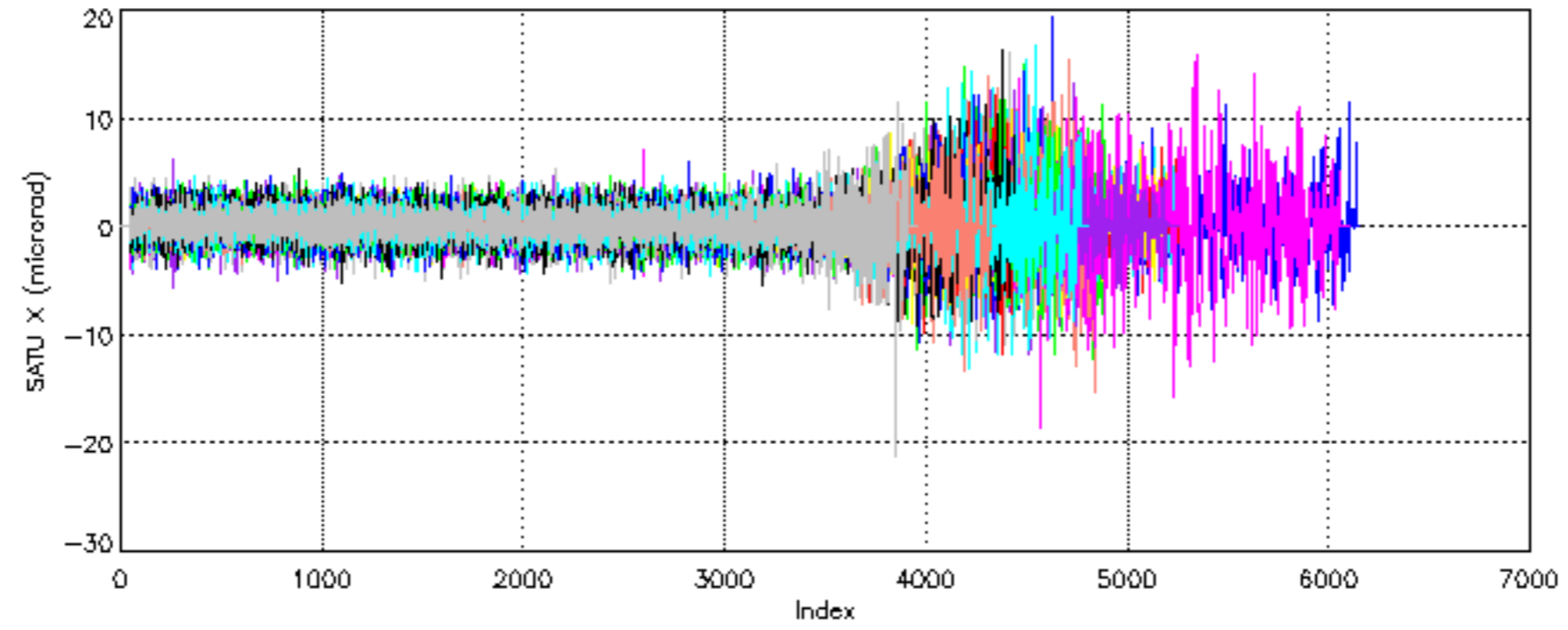


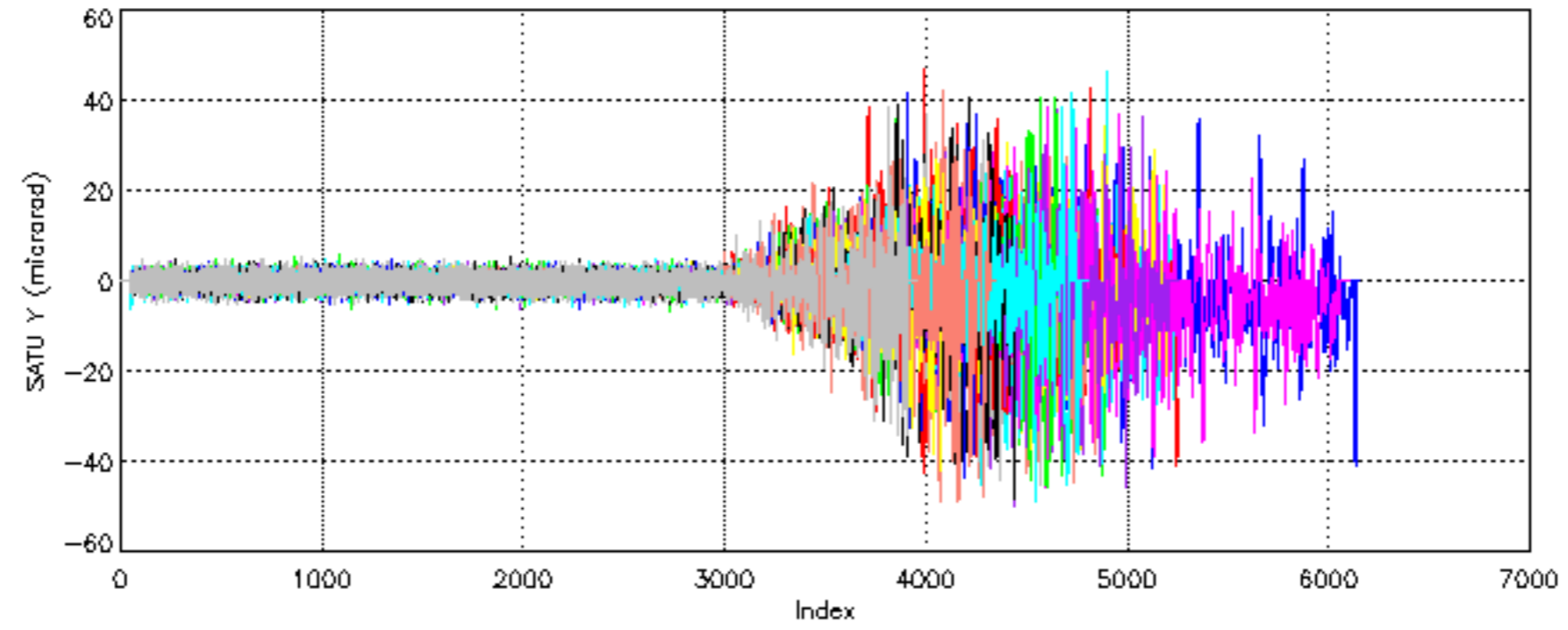
Tangent altitude at which the star is lost

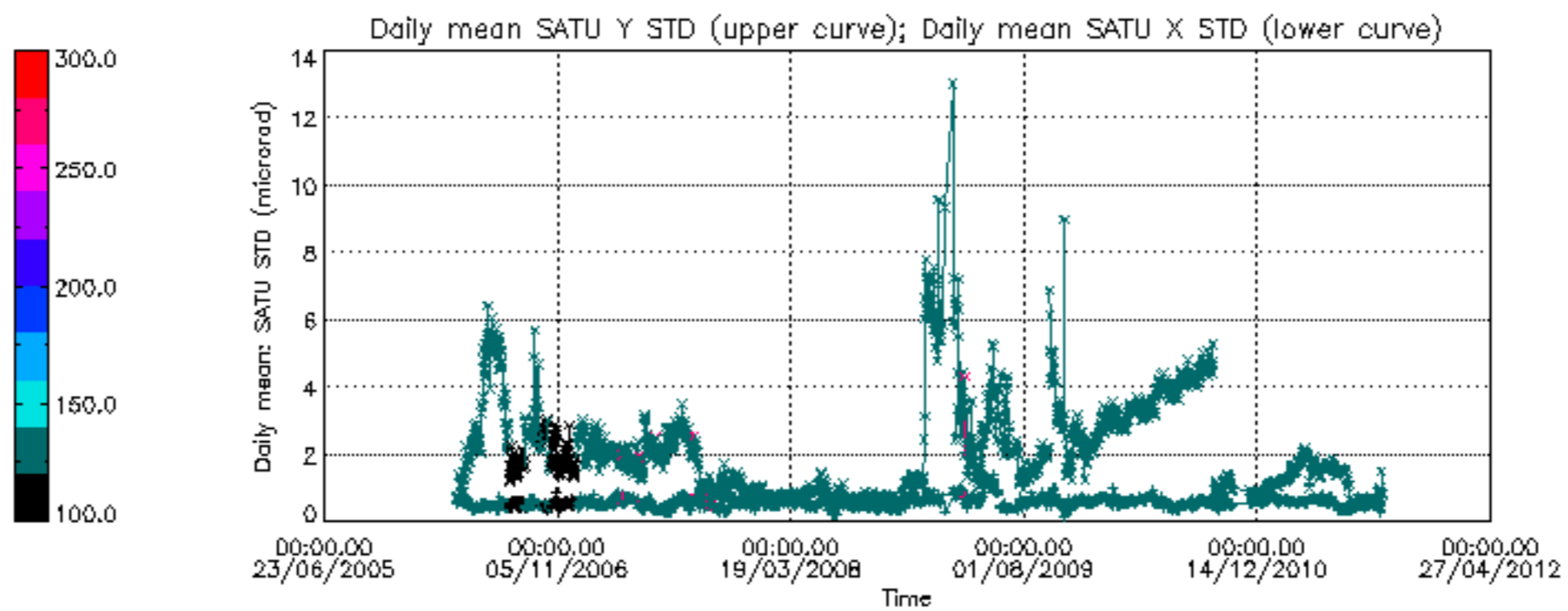


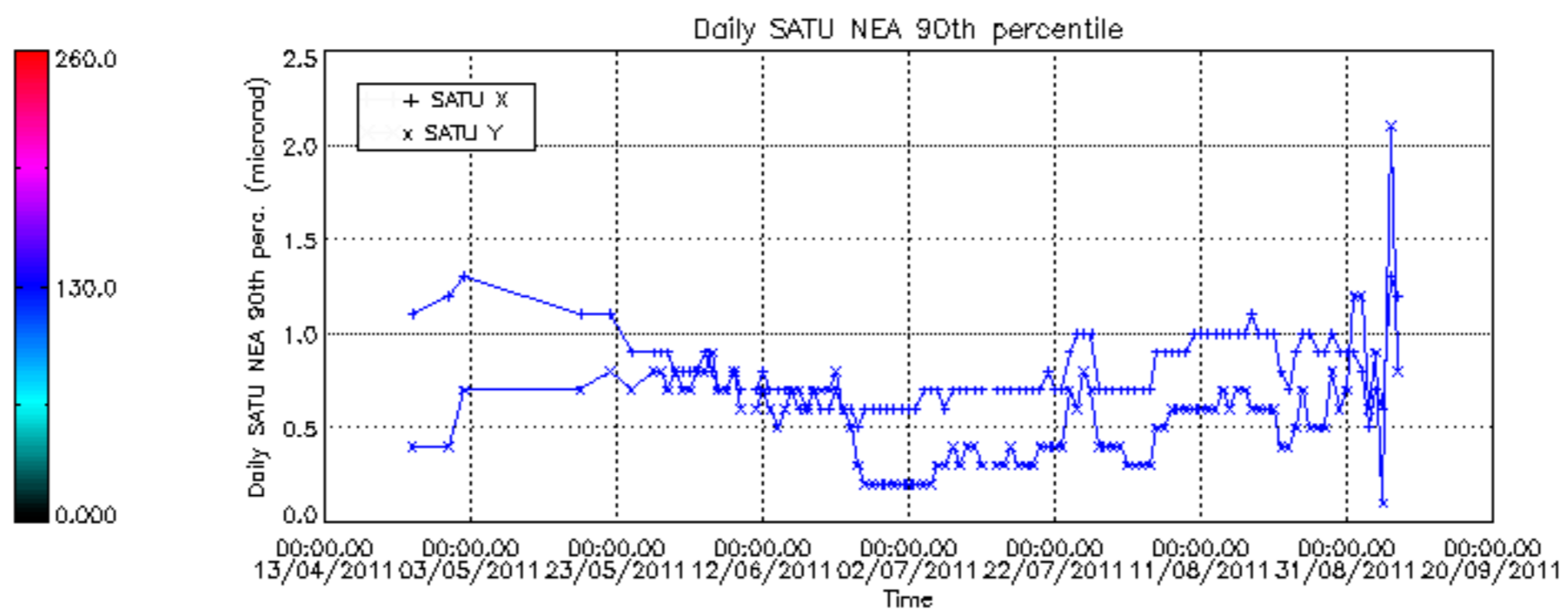
Tangent altitude at which the star is lost











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2; 2062.2; 01-SEP-2011 02:05:02; Bright; 38.0; 61; 8Eps Peg ; 2.10; 3900;occ; 76; 0;49701
3; 4495.1; 01-SEP-2011 02:45:35; Bright; 36.5; 17; 78Bet Gem ; 1.16; 4500;occ; 73; 0;49701
4; 6976.1; 01-SEP-2011 03:26:56; Dark ; 47.0; 84; Alp Phe ; 2.40; 4500;occ; 94; 0;49702
5; 8076.1; 01-SEP-2011 03:45:16; Bright; 38.5; 61; 8Eps Peg ; 2.10; 3900;occ; 77; 0;49702

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2; -569.5; 01-SEP-2011 21:23:58; Dark ; 46.0; 47; 2Bet CMA ; 1.98; 28000;occ; 92; 0;49712
3; 968.4; 01-SEP-2011 21:49:36; Dark ; 49.0; 84; Alp Phe ; 2.40; 4500;occ; 98; 0;49713
4; 1326.8; 01-SEP-2011 21:55:34; Dark ; 51.5; 18; 24Alp PsA ; 1.17; 9700;occ; 103; 0;49713
5; 1883.3; 01-SEP-2011 22:04:51; Bright; 40.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 80; 0;49713

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2; 2061.8; 01-SEP-2011 23:48:03; Bright; 38.0; 61; 8Eps Peg ; 2.10; 3900;occ; 76; 0;49714
3; 5366.7; 02-SEP-2011 00:43:08; Dark ; 30.0; 1; 9Alp CMA ; -1.44; 11000;occ; 60; 0;49714

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1; 610.0; 01-SEP-2011 13:22:27; Dark ; 42.5; 9; Alp Eri ; 0.45; 24000;occ; 85; 0;49708
2; 965.6; 01-SEP-2011 13:28:23; Dark ; 49.0; 84; Alp Phe ; 2.40; 4500;occ; 98; 0;49708

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2; 1883.3; 01-SEP-2011 15:23:55; Bright; 40.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 81; 0;49709
3; 2062.0; 01-SEP-2011 15:26:53; Bright; 39.5; 61; 8Eps Peg ; 2.10; 3900;occ; 79; 0;49709
4; 6980.6; 01-SEP-2011 16:48:52; Dark ; 47.5; 84; Alp Phe ; 2.40; 4500;occ; 95; 0;49710

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2; 2062.1; 01-SEP-2011 17:07:08; Bright; 37.5; 61; 8Eps Peg ; 2.10; 3900;occ; 75; 0;49710
3; 6981.3; 01-SEP-2011 18:29:07; Dark ; 50.5; 84; Alp Phe ; 2.40; 4500;occ; 101; 0;49711

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2; 1883.3; 01-SEP-2011 18:44:23; Bright; 40.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 80; 0;49711
3; 2062.0; 01-SEP-2011 18:47:22; Bright; 38.0; 61; 8Eps Peg ; 2.10; 3900;occ; 76; 0;49711

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2; -567.9; 02-SEP-2011 00:44:27; Dark ; 48.5; 47; 2Bet CMA ; 1.98; 28000;occ; 97; 0;49714
3; 969.5; 02-SEP-2011 01:10:05; Dark ; 47.5; 84; Alp Phe ; 2.40; 4500;occ; 95; 0;49715
4; 2061.8; 02-SEP-2011 01:28:17; Bright; 39.0; 61; 8Eps Peg ; 2.10; 3900;occ; 78; 0;49715

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2; -566.9; 02-SEP-2011 02:24:42; Dark ; 52.5; 47; 2Bet CMA ; 1.98; 28000;occ; 105; 0;49715
3; 970.1; 02-SEP-2011 02:50:19; Dark ; 47.0; 84; Alp Phe ; 2.40; 4500;occ; 94; 0;49716
4; 1327.6; 02-SEP-2011 02:56:17; Dark ; 46.0; 18; 24Alp PsA ; 1.17; 9700;occ; 92; 0;49716

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2; 970.5; 02-SEP-2011 04:30:34; Dark ; 59.5; 84; Alp Phe ; 2.40; 4500;occ; 119; 0;49717
3; 1327.9; 02-SEP-2011 04:36:31; Dark ; 48.5; 18; 24Alp PsA ; 1.17; 9700;occ; 97; 0;49717
4; 1883.2; 02-SEP-2011 04:45:46; Bright; 40.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 81; 0;49717
5; 2061.9; 02-SEP-2011 04:48:45; Bright; 38.5; 61; 8Eps Peg ; 2.10; 3900;occ; 77; 0;49717
6; 2472.7; 02-SEP-2011 04:55:36; Bright; 42.5; 164; 44Eta Peg ; 2.95; 5400;occ; 85; 0;49717

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2; 1328.2; 02-SEP-2011 06:16:45; Dark ; 46.5; 18; 24Alp PsA ; 1.17; 9700;occ; 93; 0;49718

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2; 1330.3; 02-SEP-2011 21:18:53; Dark ; 47.0; 18; 24Alp PsA ; 1.17; 9700;occ; 94; 0;49727
3; 3100.4; 02-SEP-2011 21:48:23; Bright; 41.0; 74; 11Bet Cas ; 2.27; 6600;occ; 82; 0;49727

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2; 976.7; 02-SEP-2011 22:53:14; Dark ; 47.5; 84; Alp Phe ; 2.40; 4500;occ; 95; 0;49728
3; 3099.9; 02-SEP-2011 23:28:37; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;49728
4; 5376.0; 03-SEP-2011 00:06:33; Dark ; 27.0; 1; 9Alp CMA ; -1.44; 11000;occ; 54; 0;49728

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2; -1112.2; 02-SEP-2011 07:16:19; Dark ; 40.0; 8; 10Alp CMI ; 0.40; 6500;occ; 80; 0;49718
3; -644.7; 02-SEP-2011 07:24:07; Dark ; 53.5; 1; 9Alp CMA ; -1.44; 11000;occ; 107; 0;49718
4; -564.8; 02-SEP-2011 07:25:26; Dark ; 51.0; 47; 2Bet CMA ; 1.98; 28000;occ; 102; 0;49718
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2; 4781.3; 02-SEP-2011 08:54:33; Dark ; 54.5; 44; 24Gam Gem ; 1.93; 11000;occ; 109; 0;49719
3; 5370.0; 02-SEP-2011 09:04:21; Dark ; 50.5; 1; 9Alp CMA ; -1.44; 11000;occ; 101; 0;49719
4; 5450.0; 02-SEP-2011 09:05:41; Dark ; 50.0; 47; 2Bet CMA ; 1.98; 28000;occ; 100; 0;49719
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2; -563.1; 02-SEP-2011 10:45:56; Dark ; 47.5; 47; 2Bet CMA ; 1.98; 28000;occ; 95; 0;49720
3; 972.8; 02-SEP-2011 11:11:32; Dark ; 50.0; 84; Alp Phe ; 2.40; 4500;occ; 100; 0;49721
4; 1329.0; 02-SEP-2011 11:17:28; Dark ; 45.0; 18; 24Alp PsA ; 1.17; 9700;occ; 90; 0;49721
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2; 3104.0; 02-SEP-2011 11:47:03; Bright; 44.5; 74; 11Bet Cas ; 2.27; 6600;occ; 89; 0;49721
3; 4902.7; 02-SEP-2011 12:17:02; Dark ; 47.5; 8; 10Alp CMI ; 0.40; 6500;occ; 95; 0;49721
4; 5451.6; 02-SEP-2011 12:26:11; Dark ; 51.0; 47; 2Bet CMA ; 1.98; 28000;occ; 102; 0;49721
5; 6987.3; 02-SEP-2011 12:51:46; Dark ; 50.5; 84; Alp Phe ; 2.40; 4500;occ; 101; 0;49722
6; 7343.1; 02-SEP-2011 12:57:42; Dark ; 45.5; 18; 24Alp PsA ; 1.17; 9700;occ; 91; 0;49722
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3; 973.8; 02-SEP-2011 14:32:01; Dark ; 45.5; 84; Alp Phe ; 2.40; 4500;occ; 91; 0;49723
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2; -641.2; 02-SEP-2011 15:45:20; Dark ; 51.0; 1; 9Alp CMA ; -1.44; 11000;occ; 102; 0;49723
3; -560.7; 02-SEP-2011 15:46:40; Dark ; 52.0; 47; 2Bet CMA ; 1.98; 28000;occ; 104; 0;49723
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2; 3102.3; 02-SEP-2011 16:47:43; Bright; 42.5; 74; 11Bet Cas ; 2.27; 6600;occ; 85; 0;49724
3; 5373.4; 02-SEP-2011 17:25:34; Dark ; 51.0; 1; 9Alp CMA ; -1.44; 11000;occ; 102; 0;49724
4; 5454.3; 02-SEP-2011 17:26:55; Dark ; 51.5; 47; 2Bet CMA ; 1.98; 28000;occ; 103; 0;49724
5; 6989.0; 02-SEP-2011 17:52:30; Dark ; 55.0; 84; Alp Phe ; 2.40; 4500;occ; 110; 0;49725
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2; 4781.3; 02-SEP-2011 08:54:33; Dark ; 54.5; 44; 24Gam Gem ; 1.93; 11000;occ; 109; 0;49719
3; 5370.0; 02-SEP-2011 09:04:21; Dark ; 50.5; 1; 9Alp CMA ; -1.44; 11000;occ; 101; 0;49719
4; 5450.0; 02-SEP-2011 09:05:41; Dark ; 50.0; 47; 2Bet CMA ; 1.98; 28000;occ; 100; 0;49719
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3; 3101.7; 02-SEP-2011 18:27:57; Bright; 44.0; 74; 11Bet Cas ; 2.27; 6600;occ; 88; 0;49725
4; 4784.1; 02-SEP-2011 18:55:59; Dark ; 53.5; 44; 24Gam Gem ; 1.93; 11000;occ; 107; 0;49725
5; 4904.1; 02-SEP-2011 18:57:59; Dark ; 47.5; 8; 10Alp CMI ; 0.40; 6500;occ; 95; 0;49725
6; 5374.0; 02-SEP-2011 19:05:49; Dark ; 52.0; 1; 9Alp CMA ; -1.44; 11000;occ; 104; 0;49725
7; 5455.0; 02-SEP-2011 19:07:10; Dark ; 49.5; 47; 2Bet CMA ; 1.98; 28000;occ; 99; 0;49725
8; 6989.4; 02-SEP-2011 19:32:44; Dark ; 47.5; 84; Alp Phe ; 2.40; 4500;occ; 95; 0;49726
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2; 1330.1; 02-SEP-2011 19:38:39; Dark ; 47.5; 18; 24Alp PsA ; 1.17; 9700;occ; 95; 0;49726
3; 3101.1; 02-SEP-2011 20:08:10; Bright; 45.0; 74; 11Bet Cas ; 2.27; 6600;occ; 90; 0;49726
4; 4784.4; 02-SEP-2011 20:36:13; Dark ; 54.5; 44; 24Gam Gem ; 1.93; 11000;occ; 109; 0;49726
5; 4904.4; 02-SEP-2011 20:38:13; Dark ; 45.0; 8; 10Alp CMI ; 0.40; 6500;occ; 90; 0;49726
6; 5374.7; 02-SEP-2011 20:46:04; Dark ; 50.5; 1; 9Alp CMA ; -1.44; 11000;occ; 101; 0;49726
7; 5535.7; 02-SEP-2011 20:48:45; Dark ; 46.0; 23; 21Eps CMA ; 1.50; 26000;occ; 92; 0;49726
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2; 977.0; 03-SEP-2011 00:33:28; Dark ; 46.5; 84; Alp Phe ; 2.40; 4500;occ; 93; 0;49729
3; 1330.9; 03-SEP-2011 00:39:22; Dark ; 25.0; 18; 24Alp PsA ; 1.17; 9700;occ; 50; 0;49729
4; 3099.2; 03-SEP-2011 01:08:50; Bright; 43.5; 74; 11Bet Cas ; 2.27; 6600;occ; 87; 0;49729
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2; -476.6; 03-SEP-2011 01:49:28; Dark ; 45.5; 23; 21Eps CMA ; 1.50; 26000;occ; 91; 0;49729
3; 1331.1; 03-SEP-2011 02:19:36; Dark ; 46.0; 18; 24Alp PsA ; 1.17; 9700;occ; 92; 0;49730

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3; 3098.3; 03-SEP-2011 04:29:17; Bright; 43.0; 74; 11Bet Cas ; 2.27; 6600;occ; 86; 0;49731
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3; 1331.9; 03-SEP-2011 05:40:05; Dark ; 47.0; 18; 24Alp PsA ; 1.17; 9700;occ; 94; 0;49732
4; 1883.3; 03-SEP-2011 05:49:16; Bright; 40.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 80; 0;49732
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4; 1334.4; 03-SEP-2011 22:22:27; Dark ; 44.0; 18; 24Alp PsA ; 1.17; 9700;occ; 88; 0;49742
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6; 3091.7; 03-SEP-2011 22:51:44; Bright; 43.5; 74; 11Bet Cas ; 2.27; 6600;occ; 87; 0;49742
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4; 3091.0; 04-SEP-2011 00:31:57; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;49743
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3; 5383.7; 03-SEP-2011 18:29:14; Dark ; 49.5; 1; 9Alp CMA ; -1.44; 11000;occ; 99; 0;49739
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4; -133.5; 06-SEP-2011 21:47:59; Dark ; 48.0; 108; Alp Col ; 2.65; 15200;occ; 96; 0;49784

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11; 3134.0; 12-SEP-2011 22:22:28; Bright; 44.5; 76; 27Gam Cas ; 2.30; 30000;occ; 89; 0;49871
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6; 2171.4; 12-SEP-2011 23:46:39; Bright; 40.0; 90; 54Alp Peg ; 2.49; 11000;occ; 80; 0;49872
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8; 3023.1; 13-SEP-2011 00:00:51; Bright; 37.5; 74; 11Bet Cas ; 2.27; 6600;occ; 75; 0;49872
9; 3133.4; 13-SEP-2011 00:02:41; Bright; 41.0; 76; 27Gam Cas ; 2.30; 30000;occ; 82; 0;49872
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4; 3011.0; 14-SEP-2011 21:06:56; Bright; 41.5; 74; 11Bet Cas ; 2.27; 6600;occ; 83; 0;49899
5; 3118.1; 14-SEP-2011 21:08:43; Bright; 43.5; 76; 27Gam Cas ; 2.30; 30000;occ; 87; 0;49899
6; 4458.6; 14-SEP-2011 21:31:04; Bright; 56.5; 24; 66Alp Gem ; 1.58; 10200;occ; 113; 0;49899
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5; 4457.6; 14-SEP-2011 09:49:25; Bright; 63.0; 24; 66Alp Gem ; 1.58; 10200;occ; 126; 0;49892
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3; 3013.6; 14-SEP-2011 11:05:35; Bright; 41.5; 74; 11Bet Cas ; 2.27; 6600;occ; 83; 0;49893
4; 3121.6; 14-SEP-2011 11:07:23; Bright; 43.0; 76; 27Gam Cas ; 2.30; 30000;occ; 86; 0;49893
5; 4457.7; 14-SEP-2011 11:29:39; Bright; 44.0; 24; 66Alp Gem ; 1.58; 10200;occ; 88; 0;49893
6; 4974.6; 14-SEP-2011 11:38:16; Dark ; 51.5; 8; 10Alp CMI ; 0.40; 6500;occ; 103; 0;49893
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6; 2397.6; 14-SEP-2011 22:36:57; Bright; 39.0; 93; 53Bet Peg ; 2.52; 3100;occ; 78; 0;49900
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6; 2397.4; 15-SEP-2011 00:17:10; Bright; 39.5; 93; 53Bet Peg ; 2.52; 3100;occ; 79; 0;49901
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6; 4458.4; 14-SEP-2011 19:50:49; Bright; 43.5; 24; 66Alp Gem ; 1.58; 10200;occ; 87; 0;49898
7; 4977.2; 14-SEP-2011 19:59:28; Dark ; 53.5; 8; 10Alp CMI ; 0.40; 6500;occ; 107; 0;49898
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8; 4460.3; 15-SEP-2011 20:54:21; Bright; 45.0; 24; 66Alp Gem ; 1.58; 10200;occ; 90; 0;49913
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3; 2515.6; 15-SEP-2011 12:00:46; Bright; 46.0; 58; 21Alp And ; 2.07; 11000;occ; 92; 0;49908
4; 3006.8; 15-SEP-2011 12:08:57; Bright; 41.5; 74; 11Bet Cas ; 2.27; 6600;occ; 83; 0;49908
5; 3113.0; 15-SEP-2011 12:10:44; Bright; 44.0; 76; 27Gam Cas ; 2.30; 30000;occ; 88; 0;49908
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11; 6734.1; 15-SEP-2011 13:11:05; Dark ; 43.0; 9; Alp Eri ; 0.45; 2400;occ; 86; 0;49909
12; 7076.0; 15-SEP-2011 13:16:47; Dark ; 43.0; 84; Alp Phe ; 2.40; 4500;occ; 86; 0;49909
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3; 2395.4; 15-SEP-2011 13:39:00; Bright; 41.5; 93; 53Bet Peg ; 2.52; 3100;occ; 83; 0;49909
4; 2515.0; 15-SEP-2011 13:41:00; Bright; 45.0; 58; 21Alp And ; 2.07; 11000;occ; 90; 0;49909
5; 3006.5; 15-SEP-2011 13:49:11; Bright; 41.0; 74; 11Bet Cas ; 2.27; 6600;occ; 82; 0;49909
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7; 4459.9; 15-SEP-2011 14:13:24; Bright; 63.0; 24; 66Alp Gem ; 1.58; 10200;occ; 126; 0;49909
8; 4983.0; 15-SEP-2011 14:22:08; Dark ; 53.0; 8; 10Alp CMi ; 0.40; 6500;occ; 106; 0;49909
9; 5532.5; 15-SEP-2011 14:31:17; Dark ; 64.5; 1; 9Alp CMA ; -1.44; 11000;occ; 129; 0;49909
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3; 2395.3; 15-SEP-2011 15:19:14; Bright; 41.0; 93; 53Bet Peg ; 2.52; 3100;occ; 82; 0;49910
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5; 3006.1; 15-SEP-2011 15:29:25; Bright; 41.5; 74; 11Bet Cas ; 2.27; 6600;occ; 83; 0;49910
6; 3112.0; 15-SEP-2011 15:31:11; Bright; 42.5; 76; 27Gam Cas ; 2.30; 30000;occ; 85; 0;49910
7; 4460.1; 15-SEP-2011 15:53:39; Bright; 46.0; 24; 66Alp Gem ; 1.58; 10200;occ; 92; 0;49910
8; 4983.7; 15-SEP-2011 16:02:22; Dark ; 55.0; 8; 10Alp CMi ; 0.40; 6500;occ; 110; 0;49910
9; 5533.7; 15-SEP-2011 16:11:32; Dark ; 59.5; 1; 9Alp CMA ; -1.44; 11000;occ; 119; 0;49910
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3; 2395.0; 15-SEP-2011 16:59:28; Bright; 41.5; 93; 53Bet Peg ; 2.52; 3100;occ; 83; 0;49911
4; 2513.7; 15-SEP-2011 17:01:26; Bright; 48.5; 58; 21Alp And ; 2.07; 11000;occ; 97; 0;49911
5; 3005.6; 15-SEP-2011 17:09:38; Bright; 41.5; 74; 11Bet Cas ; 2.27; 6600;occ; 83; 0;49911

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8; 4984.2; 15-SEP-2011 17:42:37; Dark ; 56.5; 8; 10Alp CMI ; 0.40; 6500;occ; 113; 0;49911
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5; 2513.0; 15-SEP-2011 18:41:40; Bright; 47.0; 58; 21Alp And ; 2.07; 11000;occ; 94; 0;49912
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7; 3110.7; 15-SEP-2011 18:51:37; Bright; 43.5; 76; 27Gam Cas ; 2.30; 30000;occ; 87; 0;49912
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5; 2502.9; 16-SEP-2011 21:25:13; Bright; 46.0; 58; 21Alp And ; 2.07; 11000;occ; 92; 0;49928
6; 2998.4; 16-SEP-2011 21:33:28; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;49928
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7; 2390.8; 16-SEP-2011 23:03:35; Bright; 39.5; 93; 53Bet Peg ; 2.52; 3100;occ; 79; 0;49929
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4; 2505.0; 16-SEP-2011 16:24:33; Bright; 46.5; 58; 21Alp And ; 2.07; 11000;occ; 93; 0;49925
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2; 2389.5; 17-SEP-2011 10:45:11; Bright; 38.0; 93; 53Bet Peg ; 2.52; 3100;occ; 76; 0;49936
3; 2498.2; 17-SEP-2011 10:47:00; Bright; 47.0; 58; 21Alp And ; 2.07; 11000;occ; 94; 0;49936

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6; 4463.4; 17-SEP-2011 11:19:45; Bright; 65.0; 24; 66Alp Gem ; 1.58; 10200;occ; 130; 0;49936
7; 4998.1; 17-SEP-2011 11:28:40; Dark ; 54.0; 8; 10Alp CMI ; 0.40; 6500;occ; 108; 0;49936
8; 5562.7; 17-SEP-2011 11:38:04; Dark ; 63.0; 1; 9Alp CMA ; -1.44; 11000;occ; 126; 0;49936
9; 5687.2; 17-SEP-2011 11:40:09; Dark ; 49.5; 23; 21Eps CMA ; 1.50; 26000;occ; 99; 0;49936
10; 5918.5; 17-SEP-2011 11:44:00; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;49936
11; 6747.8; 17-SEP-2011 11:57:50; Dark ; 43.5; 9; Alp Eri ; 0.45; 24000;occ; 87; 0;49937
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3; 2497.6; 17-SEP-2011 12:27:13; Bright; 46.0; 58; 21Alp And ; 2.07; 11000;occ; 92; 0;49937
4; 2994.7; 17-SEP-2011 12:35:30; Bright; 39.5; 74; 11Bet Cas ; 2.27; 6600;occ; 79; 0;49937
5; 3097.3; 17-SEP-2011 12:37:13; Bright; 43.5; 76; 27Gam Cas ; 2.30; 30000;occ; 87; 0;49937
6; 4463.4; 17-SEP-2011 12:59:59; Bright; 52.5; 24; 66Alp Gem ; 1.58; 10200;occ; 105; 0;49937
7; 4998.8; 17-SEP-2011 13:08:54; Dark ; 56.0; 8; 10Alp CMI ; 0.40; 6500;occ; 112; 0;49937
8; 5563.9; 17-SEP-2011 13:18:19; Dark ; 64.5; 1; 9Alp CMA ; -1.44; 11000;occ; 129; 0;49937
9; 5688.2; 17-SEP-2011 13:20:24; Dark ; 52.5; 23; 21Eps CMA ; 1.50; 26000;occ; 105; 0;49937
10; 5919.5; 17-SEP-2011 13:24:15; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;49937
11; 6748.3; 17-SEP-2011 13:38:04; Dark ; 40.0; 9; Alp Eri ; 0.45; 24000;occ; 80; 0;49938
12; 7087.4; 17-SEP-2011 13:43:43; Dark ; 43.5; 84; Alp Phe ; 2.40; 4500;occ; 87; 0;49938
13; 7535.4; 17-SEP-2011 13:51:11; Dark ; 6.0; 52; 16Bet Cet ; 2.04; 4500;occ; 12; 0;49938
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3; 2389.1; 17-SEP-2011 14:05:39; Bright; 38.5; 93; 53Bet Peg ; 2.52; 3100;occ; 77; 0;49938
4; 2497.1; 17-SEP-2011 14:07:27; Bright; 47.0; 58; 21Alp And ; 2.07; 11000;occ; 94; 0;49938
5; 2994.4; 17-SEP-2011 14:15:44; Bright; 41.0; 74; 11Bet Cas ; 2.27; 6600;occ; 82; 0;49938
6; 3096.8; 17-SEP-2011 14:17:26; Bright; 43.0; 76; 27Gam Cas ; 2.30; 30000;occ; 86; 0;49938
7; 4463.6; 17-SEP-2011 14:40:13; Bright; 46.0; 24; 66Alp Gem ; 1.58; 10200;occ; 92; 0;49938
8; 4999.3; 17-SEP-2011 14:49:09; Dark ; 58.5; 8; 10Alp CMI ; 0.40; 6500;occ; 117; 0;49938
9; 5565.0; 17-SEP-2011 14:58:35; Dark ; 68.5; 1; 9Alp CMA ; -1.44; 11000;occ; 137; 0;49938
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11; 5920.5; 17-SEP-2011 15:04:30; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;49938
12; 6748.8; 17-SEP-2011 15:18:18; Dark ; 47.5; 9; Alp Eri ; 0.45; 24000;occ; 95; 0;49939
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3; 2388.8; 17-SEP-2011 15:45:52; Bright; 38.0; 93; 53Bet Peg ; 2.52; 3100;occ; 76; 0;49939
4; 2496.3; 17-SEP-2011 15:47:40; Bright; 44.0; 58; 21Alp And ; 2.07; 11000;occ; 88; 0;49939
5; 2994.1; 17-SEP-2011 15:55:58; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;49939
6; 3096.4; 17-SEP-2011 15:57:40; Bright; 43.0; 76; 27Gam Cas ; 2.30; 30000;occ; 86; 0;49939
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9; 5566.2; 17-SEP-2011 16:38:50; Dark ; 60.0; 1; 9Alp CMA ; -1.44; 11000;occ; 120; 0;49939
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3; 2388.7; 17-SEP-2011 17:26:06; Bright; 38.0; 93; 53Bet Peg ; 2.52; 3100;occ; 76; 0;49940
4; 2495.8; 17-SEP-2011 17:27:53; Bright; 47.0; 58; 21Alp And ; 2.07; 11000;occ; 94; 0;49940
5; 2993.4; 17-SEP-2011 17:36:11; Bright; 41.0; 74; 11Bet Cas ; 2.27; 6600;occ; 82; 0;49940
6; 3095.9; 17-SEP-2011 17:37:53; Bright; 43.0; 76; 27Gam Cas ; 2.30; 30000;occ; 86; 0;49940
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9; 2387.2; 18-SEP-2011 06:47:56; Bright; 39.0; 93; 53Bet Peg ; 2.52; 3100;occ; 78; 0;49948
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3; 2158.6; 18-SEP-2011 20:06:00; Bright; 39.0; 90; 54Alp Peg ; 2.49; 11000;occ; 78; 0;49956
4; 2385.6; 18-SEP-2011 20:09:47; Bright; 39.0; 93; 53Bet Peg ; 2.52; 3100;occ; 78; 0;49956
5; 2486.6; 18-SEP-2011 20:11:28; Bright; 45.5; 58; 21Alp And ; 2.07; 11000;occ; 91; 0;49956
6; 2986.9; 18-SEP-2011 20:19:48; Bright; 41.0; 74; 11Bet Cas ; 2.27; 6600;occ; 82; 0;49956
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11; 2986.6; 18-SEP-2011 22:00:02; Bright; 40.0; 74; 11Bet Cas ; 2.27; 6600;occ; 80; 0;49957
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7; 5005.7; 18-SEP-2011 09:11:49; Dark ; 65.0; 8; 10Alp CMI ; 0.40; 6500;occ; 130; 0;49949
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4; 2989.4; 18-SEP-2011 10:18:27; Bright; 41.0; 74; 11Bet Cas ; 2.27; 6600;occ; 82; 0;49950
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3; 2488.7; 18-SEP-2011 13:30:34; Bright; 46.5; 58; 21Alp And ; 2.07; 11000;occ; 93; 0;49952
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3; 2482.3; 19-SEP-2011 09:33:15; Bright; 44.5; 58; 21Alp And ; 2.07; 11000;occ; 89; 0;49964
4; 2983.9; 19-SEP-2011 09:41:37; Bright; 39.5; 74; 11Bet Cas ; 2.27; 6600;occ; 79; 0;49964
5; 3083.5; 19-SEP-2011 09:43:16; Bright; 42.5; 76; 27Gam Cas ; 2.30; 30000;occ; 85; 0;49964
6; 4467.0; 19-SEP-2011 10:06:20; Bright; 46.0; 24; 66Alp Gem ; 1.58; 10200;occ; 92; 0;49964
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8; 5596.3; 19-SEP-2011 10:25:09; Dark ; 67.0; 1; 9Alp CMA ; -1.44; 11000;occ; 134; 0;49964
9; 5713.0; 19-SEP-2011 10:27:06; Dark ; 49.5; 23; 21Eps CMA ; 1.50; 26000;occ; 99; 0;49964
10; 5946.3; 19-SEP-2011 10:30:59; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;49964
11; 7097.6; 19-SEP-2011 10:50:10; Dark ; 45.0; 84; Alp Phe ; 2.40; 4500;occ; 90; 0;49965
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4; 2983.6; 19-SEP-2011 11:21:50; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;49965
5; 3082.8; 19-SEP-2011 11:23:29; Bright; 42.0; 76; 27Gam Cas ; 2.30; 30000;occ; 84; 0;49965
6; 4467.1; 19-SEP-2011 11:46:34; Bright; 48.5; 24; 66Alp Gem ; 1.58; 10200;occ; 97; 0;49965

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3; 2983.2; 19-SEP-2011 13:02:04; Bright; 41.0; 74; 11Bet Cas ; 2.27; 6600;occ; 82; 0;49966
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3; 2480.8; 19-SEP-2011 14:33:55; Bright; 44.5; 58; 21Alp And ; 2.07; 11000;occ; 89; 0;49967
4; 2982.8; 19-SEP-2011 14:42:17; Bright; 41.0; 74; 11Bet Cas ; 2.27; 6600;occ; 82; 0;49967
5; 3081.9; 19-SEP-2011 14:43:56; Bright; 42.5; 76; 27Gam Cas ; 2.30; 30000;occ; 85; 0;49967
6; 4467.5; 19-SEP-2011 15:07:02; Bright; 46.5; 24; 66Alp Gem ; 1.58; 10200;occ; 93; 0;49967
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3; 2383.5; 19-SEP-2011 16:12:32; Bright; 37.5; 93; 53Bet Peg ; 2.52; 3100;occ; 75; 0;49968
4; 2480.1; 19-SEP-2011 16:14:08; Bright; 45.0; 58; 21Alp And ; 2.07; 11000;occ; 90; 0;49968
5; 2982.5; 19-SEP-2011 16:22:31; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;49968
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4; 2383.4; 19-SEP-2011 17:52:46; Bright; 41.5; 93; 53Bet Peg ; 2.52; 3100;occ; 83; 0;49969
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9; 5018.2; 19-SEP-2011 18:36:41; Dark ; 59.5; 8; 10Alp CMI ; 0.40; 6500;occ; 119; 0;49969
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5; 2382.9; 19-SEP-2011 22:53:27; Bright; 41.0; 93; 53Bet Peg ; 2.52; 3100;occ; 82; 0;49972
6; 2478.0; 19-SEP-2011 22:55:02; Bright; 45.0; 58; 21Alp And ; 2.07; 11000;occ; 90; 0;49972
7; 2980.8; 19-SEP-2011 23:03:25; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;49972
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9; 4468.0; 19-SEP-2011 23:28:12; Bright; 46.5; 24; 66Alp Gem ; 1.58; 10200;occ; 93; 0;49972
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8; 2980.0; 20-SEP-2011 02:23:52; Bright; 37.5; 74; 11Bet Cas ; 2.27; 6600;occ; 75; 0;49974
9; 3078.2; 20-SEP-2011 02:25:30; Bright; 38.5; 76; 27Gam Cas ; 2.30; 30000;occ; 77; 0;49974
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11; 2979.4; 20-SEP-2011 05:44:19; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;49976
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9; 2156.9; 20-SEP-2011 07:10:51; Bright; 38.5; 90; 54Alp Peg ; 2.49; 11000;occ; 77; 0;49977
10; 2382.2; 20-SEP-2011 07:14:36; Bright; 38.0; 93; 53Bet Peg ; 2.52; 3100;occ; 76; 0;49977
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4; -288.6; 20-SEP-2011 08:10:20; Dark ; 49.0; 23; 21Eps CMA ; 1.50; 26000;occ; 98; 1;49977
5; -54.4; 20-SEP-2011 08:14:14; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 2;49977
6; 66.9; 20-SEP-2011 08:16:15; Dark ; 58.0; 2; Alp Car ; -0.74; 7000;occ; 116; 5;49978
7; 1088.2; 20-SEP-2011 08:33:16; Dark ; 47.5; 84; Alp Phe ; 2.40; 4500;occ; 95; 1;49978
8; 1527.1; 20-SEP-2011 08:40:35; Dark ; 53.5; 52; 16Bet Cet ; 2.04; 4500;occ; 107; 0;49978
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3; 2472.9; 20-SEP-2011 15:37:17; Bright; 42.5; 58; 21Alp And ; 2.07; 11000;occ; 85; 0;49982
4; 2977.0; 20-SEP-2011 15:45:41; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;49982
5; 3074.4; 20-SEP-2011 15:47:18; Bright; 39.0; 76; 27Gam Cas ; 2.30; 30000;occ; 78; 0;49982
6; 4469.5; 20-SEP-2011 16:10:33; Bright; 68.0; 24; 66Alp Gem ; 1.58; 10200;occ; 136; 0;49982
7; 5026.8; 20-SEP-2011 16:19:51; Dark ; 58.0; 8; 10Alp CMi ; 0.40; 6500;occ; 116; 0;49982
8; 5661.9; 20-SEP-2011 16:30:26; Dark ; 48.0; 37; 25Del CMA ; 1.83; 5900;occ; 96; 0;49982
9; 5776.4; 20-SEP-2011 16:32:20; Dark ; 44.5; 117; Pi Pup ; 2.71; 3800;occ; 89; 0;49982
10; 6002.5; 20-SEP-2011 16:36:06; Dark ; 42.0; 161; Tau Pup ; 2.93; 4500;occ; 84; 0;49982
11; 6119.5; 20-SEP-2011 16:38:03; Dark ; 56.0; 108; Alp Col ; 2.65; 15200;occ; 112; 0;49983
12; 7104.0; 20-SEP-2011 16:54:28; Dark ; 46.5; 84; Alp Phe ; 2.40; 4500;occ; 93; 0;49983
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2; 2381.3; 20-SEP-2011 17:15:59; Bright; 41.0; 93; 53Bet Peg ; 2.52; 3100;occ; 82; 0;49983
3; 2472.4; 20-SEP-2011 17:17:30; Bright; 44.5; 58; 21Alp And ; 2.07; 11000;occ; 89; 0;49983
4; 2976.6; 20-SEP-2011 17:25:54; Bright; 41.0; 74; 11Bet Cas ; 2.27; 6600;occ; 82; 0;49983
5; 3073.8; 20-SEP-2011 17:27:32; Bright; 42.5; 76; 27Gam Cas ; 2.30; 30000;occ; 85; 0;49983
6; 4469.6; 20-SEP-2011 17:50:47; Bright; 47.5; 24; 66Alp Gem ; 1.58; 10200;occ; 95; 0;49983
7; 5027.4; 20-SEP-2011 18:00:05; Dark ; 64.5; 8; 10Alp CMi ; 0.40; 6500;occ; 129; 0;49983
8; 5662.9; 20-SEP-2011 18:10:41; Dark ; 55.0; 37; 25Del CMA ; 1.83; 5900;occ; 110; 0;49983
9; 5777.2; 20-SEP-2011 18:12:35; Dark ; 56.5; 117; Pi Pup ; 2.71; 3800;occ; 113; 0;49983
10; 6003.2; 20-SEP-2011 18:16:21; Dark ; 40.5; 161; Tau Pup ; 2.93; 4500;occ; 81; 0;49983
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3; 112.3; 21-SEP-2011 00:59:20; Dark ; 51.0; 108; Alp Col ; 2.65; 15200;occ; 102; 0;49988
4; 1091.7; 21-SEP-2011 01:15:39; Dark ; 43.5; 84; Alp Phe ; 2.40; 4500;occ; 87; 0;49988
5; 1528.6; 21-SEP-2011 01:22:56; Dark ; 54.5; 52; 16Bet Cet ; 2.04; 4500;occ; 109; 0;49988
6; 2380.5; 21-SEP-2011 01:37:08; Bright; 39.0; 93; 53Bet Peg ; 2.52; 3100;occ; 78; 0;49988
7; 2469.8; 21-SEP-2011 01:38:37; Bright; 45.0; 58; 21Alp And ; 2.07; 11000;occ; 90; 0;49988
8; 2974.8; 21-SEP-2011 01:47:02; Bright; 40.0; 74; 11Bet Cas ; 2.27; 6600;occ; 80; 0;49988
9; 3071.4; 21-SEP-2011 01:48:39; Bright; 41.5; 76; 27Gam Cas ; 2.30; 30000;occ; 83; 0;49988
10; 4470.2; 21-SEP-2011 02:11:58; Bright; 46.5; 24; 66Alp Gem ; 1.58; 10200;occ; 93; 0;49988
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3; -233.1; 21-SEP-2011 02:33:48; Dark ; 54.0; 117; Pi Pup ; 2.71; 3800;occ; 108; 0;49988
4; -7.7; 21-SEP-2011 02:37:34; Dark ; 41.5; 161; Tau Pup ; 2.93; 4500;occ; 83; 0;49988
5; 113.7; 21-SEP-2011 02:39:35; Dark ; 52.5; 108; Alp Col ; 2.65; 15200;occ; 105; 0;49989
6; 1092.0; 21-SEP-2011 02:55:53; Dark ; 43.5; 84; Alp Phe ; 2.40; 4500;occ; 87; 0;49989
7; 1528.7; 21-SEP-2011 03:03:10; Dark ; 51.0; 52; 16Bet Cet ; 2.04; 4500;occ; 102; 0;49989
8; 2155.9; 21-SEP-2011 03:13:37; Bright; 38.5; 90; 54Alp Peg ; 2.49; 11000;occ; 77; 0;49989
9; 2380.5; 21-SEP-2011 03:17:22; Bright; 55.0; 93; 53Bet Peg ; 2.52; 3100;occ; 110; 0;49989
10; 2469.4; 21-SEP-2011 03:18:51; Bright; 43.5; 58; 21Alp And ; 2.07; 11000;occ; 87; 0;49989
11; 2974.4; 21-SEP-2011 03:27:16; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;49989
12; 3070.8; 21-SEP-2011 03:28:52; Bright; 37.5; 76; 27Gam Cas ; 2.30; 30000;occ; 75; 0;49989
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6; 115.0; 21-SEP-2011 04:19:50; Dark ; 56.5; 108; Alp Col ; 2.65; 15200;occ; 113; 0;49990
7; 1092.4; 21-SEP-2011 04:36:08; Dark ; 43.0; 84; Alp Phe ; 2.40; 4500;occ; 86; 0;49990
8; 1528.9; 21-SEP-2011 04:43:24; Dark ; 55.5; 52; 16Bet Cet ; 2.04; 4500;occ; 111; 0;49990
9; 2155.8; 21-SEP-2011 04:53:51; Bright; 38.0; 90; 54Alp Peg ; 2.49; 11000;occ; 76; 0;49990
10; 2380.3; 21-SEP-2011 04:57:36; Bright; 38.5; 93; 53Bet Peg ; 2.52; 3100;occ; 77; 0;49990
11; 2468.9; 21-SEP-2011 04:59:04; Bright; 42.5; 58; 21Alp And ; 2.07; 11000;occ; 85; 0;49990
12; 2974.0; 21-SEP-2011 05:07:29; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;49990
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5; 2463.9; 21-SEP-2011 21:41:19; Bright; 43.5; 58; 21Alp And ; 2.07; 11000;occ; 87; 0;50000
6; 2970.4; 21-SEP-2011 21:49:46; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;50000
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3; 1530.6; 22-SEP-2011 00:46:14; Dark ; 53.5; 52; 16Bet Cet ; 2.04; 4500;occ; 107; 0;50002
4; 2154.8; 22-SEP-2011 00:56:38; Bright; 38.0; 90; 54Alp Peg ; 2.49; 11000;occ; 76; 0;50002
5; 2378.7; 22-SEP-2011 01:00:22; Bright; 38.5; 93; 53Bet Peg ; 2.52; 3100;occ; 77; 0;50002
6; 2462.9; 22-SEP-2011 01:01:46; Bright; 44.0; 58; 21Alp And ; 2.07; 11000;occ; 88; 0;50002
7; 2969.7; 22-SEP-2011 01:10:13; Bright; 39.5; 74; 11Bet Cas ; 2.27; 6600;occ; 79; 0;50002
8; 3064.5; 22-SEP-2011 01:11:47; Bright; 40.0; 76; 27Gam Cas ; 2.30; 30000;occ; 80; 0;50002
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4; 132.9; 22-SEP-2011 02:03:10; Dark ; 43.0; 108; Alp Col ; 2.65; 15200;occ; 86; 0;50003
5; 1096.8; 22-SEP-2011 02:19:14; Dark ; 45.5; 84; Alp Phe ; 2.40; 4500;occ; 91; 0;50003
6; 1530.8; 22-SEP-2011 02:26:28; Dark ; 54.0; 52; 16Bet Cet ; 2.04; 4500;occ; 108; 0;50003
7; 2378.6; 22-SEP-2011 02:40:35; Bright; 40.0; 93; 53Bet Peg ; 2.52; 3100;occ; 80; 0;50003
8; 2462.5; 22-SEP-2011 02:41:59; Bright; 44.0; 58; 21Alp And ; 2.07; 11000;occ; 88; 0;50003
9; 2969.4; 22-SEP-2011 02:50:26; Bright; 38.5; 74; 11Bet Cas ; 2.27; 6600;occ; 77; 0;50003
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3; 3057.7; 23-SEP-2011 00:34:56; Bright; 42.0; 76; 27Gam Cas ; 2.30; 30000;occ; 84; 0;50016
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1; -268.0; 27-SEP-2011 22:16:02; Dark ; 49.0; 88; 31Eta CMA ; 2.45; 20000;occ; 98; 0;50086
2; -170.7; 27-SEP-2011 22:17:39; Dark ; 48.5; 23; 21Eps CMA ; 1.50; 26000;occ; 97; 0;50086
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1; 54.5; 27-SEP-2011 10:39:47; Dark ; 44.5; 161; Tau Pup ; 2.93; 4500;occ; 89; 0;50080
2; 138.1; 27-SEP-2011 10:41:10; Dark ; 58.5; 2; Alp Car ; -0.74; 7000;occ; 117; 0;50080
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1; 2180.5; 27-SEP-2011 11:15:13; Bright; 41.0; 140; 88Gam Peg ; 2.83; 26000;occ; 82; 0;50080
2; 2944.7; 27-SEP-2011 11:27:57; Bright; 39.5; 74; 11Bet Cas ; 2.27; 6600;occ; 79; 0;50080
3; 3029.6; 27-SEP-2011 11:29:22; Bright; 40.0; 76; 27Gam Cas ; 2.30; 30000;occ; 80; 0;50080
4; 5532.6; 27-SEP-2011 12:11:05; Dark ; 45.5; 132; 15Rho Pup ; 2.80; 6900;occ; 91; 0;50080
5; 5739.9; 27-SEP-2011 12:14:32; Dark ; 50.0; 88; 31Eta CMA ; 2.45; 20000;occ; 100; 0;50080
6; 5836.1; 27-SEP-2011 12:16:08; Dark ; 48.0; 23; 21Eps CMA ; 1.50; 26000;occ; 96; 0;50080
7; 5947.0; 27-SEP-2011 12:17:59; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;50080
8; 6069.1; 27-SEP-2011 12:20:01; Dark ; 43.0; 161; Tau Pup ; 2.93; 4500;occ; 86; 0;50081
9; 6152.7; 27-SEP-2011 12:21:25; Dark ; 53.0; 2; Alp Car ; -0.74; 7000;occ; 106; 0;50081
10; 6893.5; 27-SEP-2011 12:33:46; Dark ; 51.0; 157; The1Eri ; 2.91; 9300;occ; 102; 0;50081
11; 7555.6; 27-SEP-2011 12:44:48; Dark ; 48.0; 52; 16Bet Cet ; 2.04; 4500;occ; 96; 0;50081
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2; 2944.4; 27-SEP-2011 13:08:11; Bright; 40.0; 74; 11Bet Cas ; 2.27; 6600;occ; 80; 0;50081
3; 3029.2; 27-SEP-2011 13:09:35; Bright; 40.5; 76; 27Gam Cas ; 2.30; 30000;occ; 81; 0;50081
4; 5533.4; 27-SEP-2011 13:51:20; Dark ; 47.0; 132; 15Rho Pup ; 2.80; 6900;occ; 94; 0;50081
5; 5740.9; 27-SEP-2011 13:54:47; Dark ; 47.5; 88; 31Eta CMA ; 2.45; 20000;occ; 95; 0;50081
6; 5837.4; 27-SEP-2011 13:56:24; Dark ; 52.0; 23; 21Eps CMA ; 1.50; 26000;occ; 104; 0;50081
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2; 2944.3; 27-SEP-2011 14:48:24; Bright; 37.0; 74; 11Bet Cas ; 2.27; 6600;occ; 74; 0;50082
3; 3028.8; 27-SEP-2011 14:49:49; Bright; 41.5; 76; 27Gam Cas ; 2.30; 30000;occ; 83; 0;50082
4; 5534.2; 27-SEP-2011 15:31:34; Dark ; 47.0; 132; 15Rho Pup ; 2.80; 6900;occ; 94; 0;50082

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5; 6154.3; 27-SEP-2011 15:41:54; Dark ; 46.5; 2; Alp Car ; -0.74; 7000; occ; 93; 0; 50083
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 2; 3028.4; 27-SEP-2011 16:30:02; Bright; 40.0; 76; 27Gam Cas ; 2.30; 30000; occ; 80; 0; 50083
 3; 5743.0; 27-SEP-2011 17:15:17; Dark ; 47.5; 88; 31Eta CMA ; 2.45; 20000; occ; 95; 0; 50083
 4; 5839.9; 27-SEP-2011 17:16:54; Dark ; 65.5; 23; 21Eps CMA ; 1.50; 26000; occ; 131; 0; 50083
 5; 6895.9; 27-SEP-2011 17:34:30; Dark ; 48.5; 157; The1Eri ; 2.91; 9300; occ; 97; 0; 50084
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 2; 3027.9; 27-SEP-2011 18:10:16; Bright; 40.0; 76; 27Gam Cas ; 2.30; 30000; occ; 80; 0; 50084
 3; 5743.9; 27-SEP-2011 18:55:32; Dark ; 48.0; 88; 31Eta CMA ; 2.45; 20000; occ; 96; 0; 50084
 4; 6896.6; 27-SEP-2011 19:14:45; Dark ; 49.5; 157; The1Eri ; 2.91; 9300; occ; 99; 0; 50085
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 2; 3027.3; 27-SEP-2011 19:50:29; Bright; 40.5; 76; 27Gam Cas ; 2.30; 30000; occ; 81; 0; 50085
 3; 5744.9; 27-SEP-2011 20:35:47; Dark ; 47.0; 88; 31Eta CMA ; 2.45; 20000; occ; 94; 0; 50085
 4; 5842.1; 27-SEP-2011 20:37:24; Dark ; 53.0; 23; 21Eps CMA ; 1.50; 26000; occ; 106; 0; 50085
 5; 6897.5; 27-SEP-2011 20:55:00; Dark ; 23.5; 157; The1Eri ; 2.91; 9300; occ; 47; 0; 50086
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 1; 886.4; 28-SEP-2011 03:35:58; Dark ; 51.0; 157; The1Eri ; 2.91; 9300; occ; 102; 0; 50090
 2; 3025.4; 28-SEP-2011 04:11:37; Bright; 40.0; 76; 27Gam Cas ; 2.30; 30000; occ; 80; 0; 50090
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 1; -264.0; 28-SEP-2011 04:57:02; Dark ; 49.5; 88; 31Eta CMA ; 2.45; 20000; occ; 99; 0; 50090
 2; -165.8; 28-SEP-2011 04:58:40; Dark ; 54.5; 23; 21Eps CMA ; 1.50; 26000; occ; 109; 0; 50090
 3; 887.1; 28-SEP-2011 05:16:13; Dark ; 50.0; 157; The1Eri ; 2.91; 9300; occ; 100; 0; 50091
 4; 3024.9; 28-SEP-2011 05:51:51; Bright; 39.0; 76; 27Gam Cas ; 2.30; 30000; occ; 78; 0; 50091
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 1; 894.0; 28-SEP-2011 20:18:26; Dark ; 51.0; 157; The1Eri ; 2.91; 9300; occ; 102; 0; 50100
 2; 2939.2; 28-SEP-2011 20:52:31; Bright; 2.0; 74; 11Bet Cas ; 2.27; 6600; occ; 4; 0; 50100
 3; 3021.2; 28-SEP-2011 20:53:53; Bright; 40.5; 76; 27Gam Cas ; 2.30; 30000; occ; 81; 0; 50100
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 1; -254.0; 28-SEP-2011 21:39:31; Dark ; 49.0; 88; 31Eta CMA ; 2.45; 20000; occ; 98; 0; 50100
 2; -153.6; 28-SEP-2011 21:41:12; Dark ; 60.0; 23; 21Eps CMA ; 1.50; 26000; occ; 120; 0; 50100
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 1; -263.1; 28-SEP-2011 06:37:17; Dark ; 47.0; 88; 31Eta CMA ; 2.45; 20000; occ; 94; 0; 50091
 2; -164.5; 28-SEP-2011 06:38:55; Dark ; 53.0; 23; 21Eps CMA ; 1.50; 26000; occ; 106; 0; 50091
 3; 887.8; 28-SEP-2011 06:56:28; Dark ; 51.5; 157; The1Eri ; 2.91; 9300; occ; 103; 0; 50092
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 1; 2941.4; 28-SEP-2011 07:30:41; Bright; 39.5; 74; 11Bet Cas ; 2.27; 6600; occ; 79; 0; 50092
 2; 3024.6; 28-SEP-2011 07:32:04; Bright; 39.5; 76; 27Gam Cas ; 2.30; 30000; occ; 79; 0; 50092
 3; 5751.8; 28-SEP-2011 08:17:32; Dark ; 47.5; 88; 31Eta CMA ; 2.45; 20000; occ; 95; 0; 50092
 4; 5850.6; 28-SEP-2011 08:19:11; Dark ; 52.0; 23; 21Eps CMA ; 1.50; 26000; occ; 104; 0; 50092
 5; 6902.7; 28-SEP-2011 08:36:43; Dark ; 49.0; 157; The1Eri ; 2.91; 9300; occ; 98; 0; 50093
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 1; -2989.8; 28-SEP-2011 09:12:18; Bright; 40.5; 76; 27Gam Cas ; 2.30; 30000; occ; 81; 0; 50093
 2; -261.0; 28-SEP-2011 09:57:47; Dark ; 49.0; 88; 31Eta CMA ; 2.45; 20000; occ; 98; 0; 50093
 3; -162.1; 28-SEP-2011 09:59:26; Dark ; 61.0; 23; 21Eps CMA ; 1.50; 26000; occ; 122; 0; 50093
 4; 889.5; 28-SEP-2011 10:16:57; Dark ; 51.0; 157; The1Eri ; 2.91; 9300; occ; 102; 0; 50094
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 2; 3023.7; 28-SEP-2011 10:52:31; Bright; 40.5; 76; 27Gam Cas ; 2.30; 30000; occ; 81; 0; 50094
 3; 5754.0; 28-SEP-2011 11:38:02; Dark ; 49.0; 88; 31Eta CMA ; 2.45; 20000; occ; 98; 0; 50094
 4; 5853.1; 28-SEP-2011 11:39:41; Dark ; 57.0; 23; 21Eps CMA ; 1.50; 26000; occ; 114; 0; 50094
 5; 6904.2; 28-SEP-2011 11:57:12; Dark ; 50.0; 157; The1Eri ; 2.91; 9300; occ; 100; 0; 50095
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 1; -2990.6; 28-SEP-2011 12:32:45; Bright; 41.5; 76; 27Gam Cas ; 2.30; 30000; occ; 83; 0; 50095
 2; -258.9; 28-SEP-2011 13:18:17; Dark ; 49.0; 88; 31Eta CMA ; 2.45; 20000; occ; 98; 0; 50095
 3; -159.6; 28-SEP-2011 13:19:56; Dark ; 54.5; 23; 21Eps CMA ; 1.50; 26000; occ; 109; 0; 50095
 4; 891.1; 28-SEP-2011 13:37:27; Dark ; 50.5; 157; The1Eri ; 2.91; 9300; occ; 101; 0; 50096
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 1; -2991.0; 28-SEP-2011 14:12:59; Bright; 41.0; 76; 27Gam Cas ; 2.30; 30000; occ; 82; 0; 50096
 2; -257.9; 28-SEP-2011 14:58:32; Dark ; 46.0; 88; 31Eta CMA ; 2.45; 20000; occ; 92; 0; 50096
 3; -158.6; 28-SEP-2011 15:00:11; Dark ; 53.5; 23; 21Eps CMA ; 1.50; 26000; occ; 107; 0; 50096
 4; 891.7; 28-SEP-2011 15:17:41; Dark ; 48.5; 157; The1Eri ; 2.91; 9300; occ; 97; 0; 50097
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 1; 1544.0; 28-SEP-2011 15:28:34; Dark ; 50.0; 52; 16Bet Cet ; 2.04; 4500; occ; 100; 0; 50097
 2; 2176.3; 28-SEP-2011 15:39:06; Bright; 40.5; 140; 88Gam Peg ; 2.83; 26000; occ; 81; 0; 50097
 3; 2426.2; 28-SEP-2011 15:43:16; Bright; 41.5; 58; 21Alp And ; 2.07; 11000; occ; 83; 0; 50097

4; 3022.5; 28-SEP-2011 15:53:12; Bright; 39.0; 76; 27Gam Cas ; 2.30; 30000;occ; 78; 0;50097
5; 5757.1; 28-SEP-2011 16:38:47; Dark ; 49.0; 88; 31Eta CMA ; 2.45; 20000;occ; 98; 0;50097
6; 5856.7; 28-SEP-2011 16:40:26; Dark ; 54.0; 23; 21Eps CMA ; 1.50; 26000;occ; 108; 0;50097
7; 6906.4; 28-SEP-2011 16:57:56; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;50098
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2; -256.0; 28-SEP-2011 18:19:02; Dark ; 47.0; 88; 31Eta CMA ; 2.45; 20000;occ; 94; 0;50098
3; -156.2; 28-SEP-2011 18:20:41; Dark ; 55.0; 23; 21Eps CMA ; 1.50; 26000;occ; 110; 0;50098
4; 68.2; 28-SEP-2011 18:24:26; Dark ; 45.0; 161; Tau Pup ; 2.93; 4500;occ; 90; 0;50099
5; 152.0; 28-SEP-2011 18:25:50; Dark ; 47.5; 2; Alp Car ; -0.74; 7000;occ; 95; 0;50099
6; 893.2; 28-SEP-2011 18:38:11; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;50099
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1;-2992.3; 28-SEP-2011 19:13:39; Bright; 41.0; 76; 27Gam Cas ; 2.30; 30000;occ; 82; 0;50099
2; -254.9; 28-SEP-2011 19:59:17; Dark ; 52.0; 88; 31Eta CMA ; 2.45; 20000;occ; 104; 0;50099
3; -154.9; 28-SEP-2011 20:00:57; Dark ; 55.0; 23; 21Eps CMA ; 1.50; 26000;occ; 110; 0;50099
4; 68.9; 28-SEP-2011 20:04:40; Dark ; 50.5; 161; Tau Pup ; 2.93; 4500;occ; 101; 0;50100
5; 152.6; 28-SEP-2011 20:06:04; Dark ; 59.0; 2; Alp Car ; -0.74; 7000;occ; 118; 0;50100
6; 894.0; 28-SEP-2011 20:18:26; Dark ; 50.5; 157; The1Eri ; 2.91; 9300;occ; 101; 0;50100
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2; 155.6; 29-SEP-2011 02:47:03; Dark ; 52.5; 2; Alp Car ; -0.74; 7000;occ; 105; 0;50104
3; 897.0; 29-SEP-2011 02:59:24; Dark ; 52.0; 157; The1Eri ; 2.91; 9300;occ; 104; 0;50104
4; 2652.5; 29-SEP-2011 03:28:40; Bright; 41.0; 53; 43Bet And ; 2.05; 3300;occ; 82; 0;50104
5; 3019.6; 29-SEP-2011 03:34:47; Bright; 40.5; 76; 27Gam Cas ; 2.30; 30000;occ; 81; 0;50104
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2; -147.5; 29-SEP-2011 06:02:28; Dark ; 60.0; 23; 21Eps CMA ; 1.50; 26000;occ; 120; 0;50105
3; 898.5; 29-SEP-2011 06:19:54; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;50106
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1; 905.1; 29-SEP-2011 21:22:06; Dark ; 51.5; 157; The1Eri ; 2.91; 9300;occ; 103; 0;50115
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2; 2643.5; 30-SEP-2011 01:11:32; Bright; 49.0; 53; 43Bet And ; 2.05; 3300;occ; 98; 0;50117
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2; 2642.8; 30-SEP-2011 02:51:45; Bright; 48.5; 53; 43Bet And ; 2.05; 3300;occ; 97; 0;50118
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1; 908.2; 30-SEP-2011 04:03:05; Dark ; 51.0; 157; The1Eri ; 2.91; 9300;occ; 102; 0;50119
2; 2642.2; 30-SEP-2011 04:31:59; Bright; 49.0; 53; 43Bet And ; 2.05; 3300;occ; 98; 0;50119
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1; 908.9; 30-SEP-2011 05:43:20; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;50120
2; 2641.6; 30-SEP-2011 06:12:12; Bright; 45.5; 53; 43Bet And ; 2.05; 3300;occ; 91; 0;50120
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1; -869.9; 30-SEP-2011 11:54:37; Dark ; 52.5; 8; 10Alp CMI ; 0.40; 6500;occ; 105; 0;50123