

GOMOS Daily Report 02-JUN-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	04JUN2011 07:01:34
Data source version	GOMOS/5.01
Start time of products	02JUN2011 00:01:16
Stop time of products	02JUN2011 20:44:23
Store outputs in DB	Yes
Nb of level 1b prods	234
Nb of prods with errors	2

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

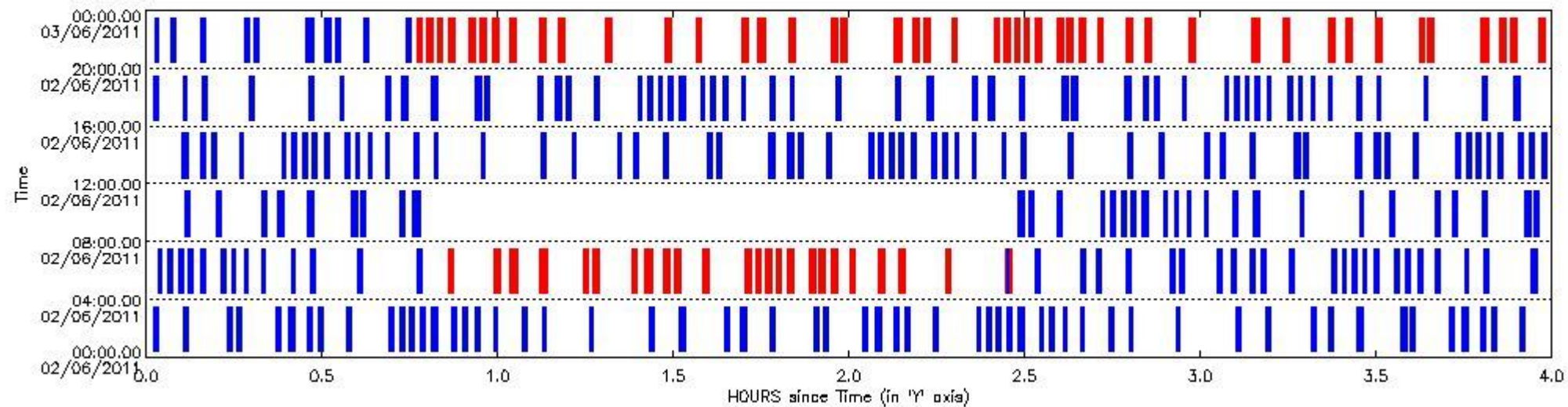
2.1 Level 0 products arrived in PCF (see template [here](#))

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
02-JUN-2011 04:51:35	27GamCas	76	48395
02-JUN-2011 04:59:23	43BetAnd	53	48395
02-JUN-2011 05:02:06	21AlpAnd	58	48395
02-JUN-2011 05:07:10	88GamPeg	140	48395
02-JUN-2011 05:14:33	DSA1034	0	48395
02-JUN-2011 05:16:12	16BetCet	52	48395
02-JUN-2011 05:22:51	AlpPhe	84	48395
02-JUN-2011 05:25:08	24AlpPsA	18	48395
02-JUN-2011 05:28:17	BetGru	63	48396
02-JUN-2011 05:30:11	AlpGru	31	48396
02-JUN-2011 05:35:02	AlpPav	45	48396
02-JUN-2011 05:42:20	AlpAra	147	48396
02-JUN-2011 05:44:01	TheSco	40	48396
02-JUN-2011 05:45:48	35LamSco	25	48396
02-JUN-2011 05:47:31	26EpsSco	75	48396

02-JUN-2011 05:49:31	23TauSco	136	48396
02-JUN-2011 05:53:04	35EtaOph	86	48396
02-JUN-2011 05:54:54	13ZetOph	98	48396
02-JUN-2011 05:57:04	1DelOph	120	48396
02-JUN-2011 06:00:04	24AlpSer	102	48396
02-JUN-2011 06:05:01	27BetHer	127	48396
02-JUN-2011 06:08:23	40ZetHer	133	48396
02-JUN-2011 06:16:23	14EtaDra	119	48396
02-JUN-2011 06:26:34	5AlpCep	89	48396
02-JUN-2011 20:46:11	TheSco	40	48405
02-JUN-2011 20:47:58	35LamSco	25	48405
02-JUN-2011 20:49:40	26EpsSco	75	48405
02-JUN-2011 20:51:39	23TauSco	136	48405
02-JUN-2011 20:55:11	35EtaOph	86	48405
02-JUN-2011 20:57:01	13ZetOph	98	48405
02-JUN-2011 20:59:10	1DelOph	120	48405
02-JUN-2011 21:02:10	24AlpSer	102	48405
02-JUN-2011 21:07:04	27BetHer	127	48405
02-JUN-2011 21:10:25	40ZetHer	133	48405
02-JUN-2011 21:18:27	14EtaDra	119	48405
02-JUN-2011 21:28:35	5AlpCep	89	48405
02-JUN-2011 21:33:53	27GamCas	76	48405
02-JUN-2011 21:41:44	43BetAnd	53	48405
02-JUN-2011 21:44:28	21AlpAnd	58	48405
02-JUN-2011 21:49:35	88GamPeg	140	48405
02-JUN-2011 21:57:03	DSA1034	0	48405
02-JUN-2011 21:58:38	16BetCet	52	48405
02-JUN-2011 22:07:41	24AlpPsA	18	48405
02-JUN-2011 22:10:45	BetGru	63	48406
02-JUN-2011 22:12:40	AlpGru	31	48406
02-JUN-2011 22:17:28	AlpPav	45	48406
02-JUN-2011 22:24:44	AlpAra	147	48406
02-JUN-2011 22:26:26	TheSco	40	48406
02-JUN-2011 22:28:12	35LamSco	25	48406
02-JUN-2011 22:29:54	26EpsSco	75	48406
02-JUN-2011 22:31:54	23TauSco	136	48406
02-JUN-2011 22:35:25	35EtaOph	86	48406
02-JUN-2011 22:37:15	13ZetOph	98	48406
02-JUN-2011 22:39:24	1DelOph	120	48406
02-JUN-2011 22:42:24	24AlpSer	102	48406
02-JUN-2011 22:47:18	27BetHer	127	48406
02-JUN-2011 22:50:38	40ZetHer	133	48406
02-JUN-2011 22:57:59	23BetDra	130	48406
02-JUN-2011 23:08:48	5AlpCep	89	48406
02-JUN-2011 23:14:07	27GamCas	76	48406
02-JUN-2011 23:21:58	43BetAnd	53	48406
02-JUN-2011 23:24:42	21AlpAnd	58	48406
02-JUN-2011 23:29:50	88GamPeg	140	48406
02-JUN-2011 23:37:18	DSA1034	0	48406
02-JUN-2011 23:38:53	16BetCet	52	48406
02-JUN-2011 23:47:57	24AlpPsA	18	48406
02-JUN-2011 23:51:00	BetGru	63	48407
02-JUN-2011 23:52:55	AlpGru	31	48407
02-JUN-2011 23:57:43	AlpPav	45	48407

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
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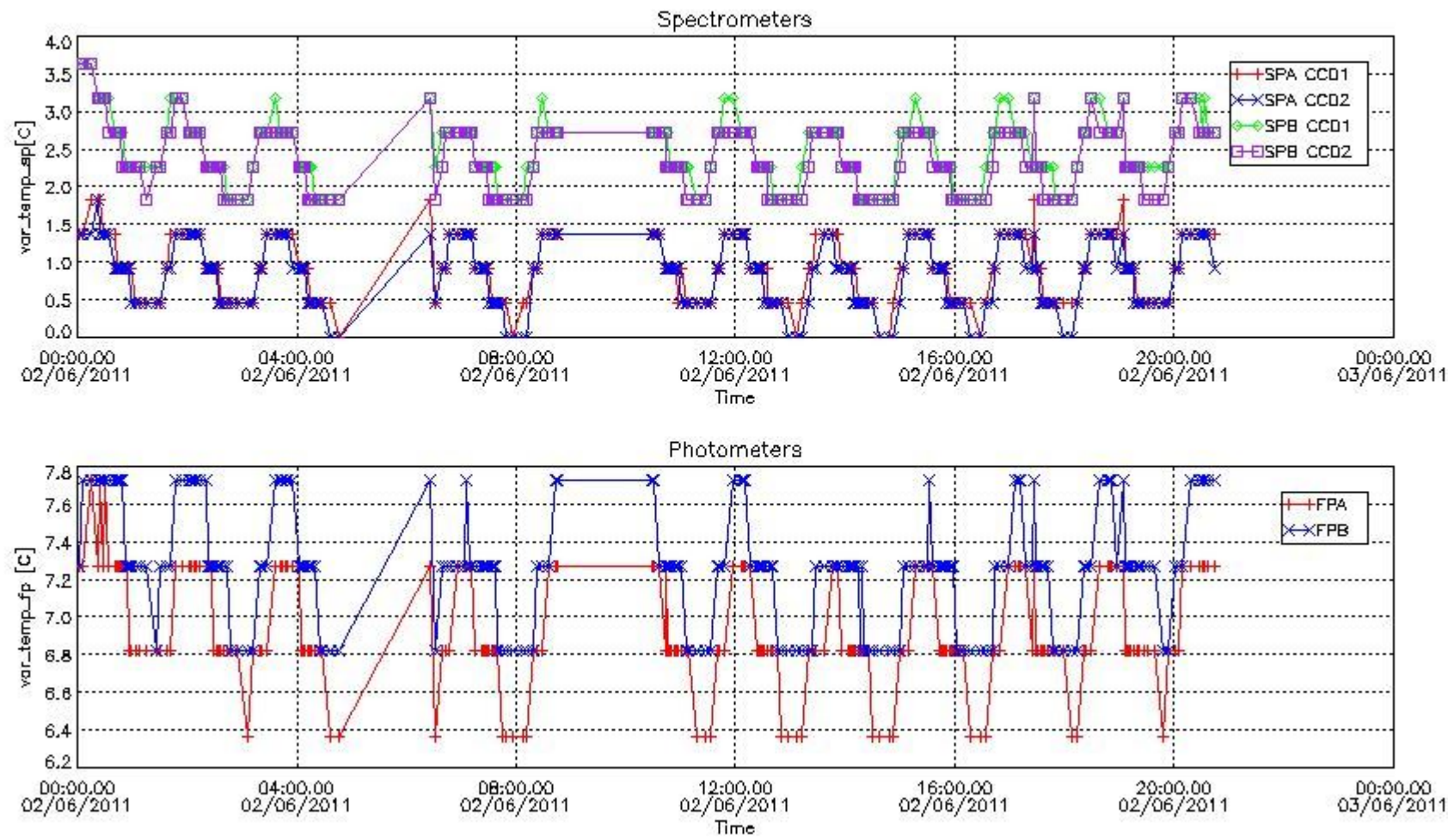
1	GOM_TRA_1PNPDE20110602_000116_000000543103_00102_48392_1978.N1	02-JUN-2011 00:01:16	Twilight	53.500	58	21Alp And	2.0730	11000.	107	48392	No
2	GOM_TRA_1PNPDE20110602_000619_000000553103_00102_48392_1979.N1	02-JUN-2011 00:06:19	Dark	54.500	140	88Gam Peg	2.8340	26000.	109	48392	No
3	GOM_TRA_1PNPDE20110602_001521_000000493103_00102_48392_2011.N1	02-JUN-2011 00:15:21	Dark	48.500	52	16Bet Cet	2.0370	4500.0	97	48392	No
4	GOM_TRA_1PNPDE20110602_002200_000000493103_00102_48392_2012.N1	02-JUN-2011 00:22:00	Dark	48.500	84	Alp Phe	2.3970	4500.0	97	48392	No
5	GOM_TRA_1PNPDE20110602_002415_000000583103_00102_48392_2013.N1	02-JUN-2011 00:24:15	Dark	57.500	18	24Alp PsA	1.1660	9700.0	115	48392	No
6	GOM_TRA_1PNPDE20110602_002725_000000503103_00103_48393_2014.N1	02-JUN-2011 00:27:25	Dark	50.000	63	Bet Gru	2.1500	2800.0	100	48393	No
7	GOM_TRA_1PNPDE20110602_002919_000000493103_00103_48393_2015.N1	02-JUN-2011 00:29:19	Dark	48.500	31	Alp Gru	1.7340	15200.	97	48393	No
8	GOM_TRA_1PNPDE20110602_003411_000000433103_00103_48393_2016.N1	02-JUN-2011 00:34:11	Straylight	43.000	45	Alp Pav	1.9400	26000.	86	48393	No
9	GOM_TRA_1PNPDE20110602_004130_000000423103_00103_48393_2017.N1	02-JUN-2011 00:41:30	Straylight	42.000	147	Alp Ara	2.8770	26000.	84	48393	No
10	GOM_TRA_1PNPDE20110602_004311_000000483103_00103_48393_2018.N1	02-JUN-2011 00:43:11	Straylight	48.000	40	The Sco	1.8590	7100.0	96	48393	No
11	GOM_TRA_1PNPDE20110602_004458_000000483103_00103_48393_2019.N1	02-JUN-2011 00:44:58	Twilight	47.500	25	35Lam Sco	1.6200	28000.	95	48393	No
12	GOM_TRA_1PNPDE20110602_004641_000000493103_00103_48393_2020.N1	02-JUN-2011 00:46:41	Twilight	49.000	75	26Eps Sco	2.2910	4250.0	98	48393	No
13	GOM_TRA_1PNPDE20110602_004842_000000563103_00103_48393_2021.N1	02-JUN-2011 00:48:42	Bright	56.000	136	23Tau Sco	2.8220	30000.	112	48393	No
14	GOM_TRA_1PNPDE20110602_005215_000000453103_00103_48393_2022.N1	02-JUN-2011 00:52:15	Bright	45.000	86	35Eta Oph	2.4300	10200.	90	48393	No
15	GOM_TRA_1PNPDE20110602_005405_000000413103_00103_48393_2023.N1	02-JUN-2011 00:54:05	Bright	41.000	98	13Zet Oph	2.5710	30000.	82	48393	No
16	GOM_TRA_1PNPDE20110602_005615_000000393103_00103_48393_2024.N1	02-JUN-2011 00:56:15	Bright	39.000	120	1Del Oph	2.7340	3200.0	78	48393	No
17	GOM_TRA_1PNPDE20110602_005915_000000373103_00103_48393_2025.N1	02-JUN-2011 00:59:15	Bright	36.500	102	24Alp Ser	2.6000	4250.0	73	48393	No
18	GOM_TRA_1PNPDE20110602_010413_000000443103_00103_48393_2026.N1	02-JUN-2011 01:04:13	Bright	44.000	127	27Bet Her	2.7810	4700.0	88	48393	No
19	GOM_TRA_1PNPDE20110602_010735_000000423103_00103_48393_2027.N1	02-JUN-2011 01:07:35	Bright	41.500	133	40Zet Her	2.8070	6000.0	83	48393	No
20	GOM_TRA_1PNPDE20110602_011535_000000373103_00103_48393_2028.N1	02-JUN-2011 01:15:35	Bright	36.500	119	14Eta Dra	2.7270	4700.0	73	48393	No
21	GOM_TRA_1PNPDE20110602_012547_000000483103_00103_48393_2029.N1	02-JUN-2011 01:25:47	Bright	48.000	89	5Alp Cep	2.4510	8000.0	96	48393	No
22	GOM_TRA_1PNPDE20110602_013100_000000563103_00103_48393_2030.N1	02-JUN-2011 01:31:00	Bright	56.000	76	27Gam Cas	2.3000	30000.	112	48393	No
23	GOM_TRA_1PNPDE20110602_013848_000000443103_00103_48393_2031.N1	02-JUN-2011 01:38:48	Bright	43.500	53	43Bet And	2.0480	3300.0	87	48393	No
24	GOM_TRA_1PNPDE20110602_014130_000000533103_00103_48393_2032.N1	02-JUN-2011 01:41:30	Twilight	53.000	58	21Alp And	2.0730	11000.	106	48393	No
25	GOM_TRA_1PNPDE20110602_014634_000000533103_00103_48393_2033.N1	02-JUN-2011 01:46:34	Dark	53.000	140	88Gam Peg	2.8340	26000.	106	48393	No
26	GOM_TRA_1PNPDE20110602_015535_000000513103_00103_48393_2053.N1	02-JUN-2011 01:55:35	Dark	50.500	52	16Bet Cet	2.0370	4500.0	101	48393	No
27	GOM_TRA_1PNPDE20110602_020215_000000463103_00103_48393_2054.N1	02-JUN-2011 02:02:15	Dark	46.000	84	Alp Phe	2.3970	4500.0	92	48393	No
28	GOM_TRA_1PNPDE20110602_020430_000000553103_00103_48393_2055.N1	02-JUN-2011 02:04:30	Dark	54.500	18	24Alp PsA	1.1660	9700.0	109	48393	No
29	GOM_TRA_1PNPDE20110602_020740_000000463103_00104_48394_2056.N1	02-JUN-2011 02:07:40	Dark	45.500	63	Bet Gru	2.1500	2800.0	91	48394	No
30	GOM_TRA_1PNPDE20110602_020934_000000473103_00104_48394_2057.N1	02-JUN-2011 02:09:34	Dark	46.500	31	Alp Gru	1.7340	15200.	93	48394	No
31	GOM_TRA_1PNPDE20110602_021425_000000433103_00104_48394_2058.N1	02-JUN-2011 02:14:25	Straylight	43.000	45	Alp Pav	1.9400	26000.	86	48394	No
32	GOM_TRA_1PNPDE20110602_022144_000000413103_00104_48394_2059.N1	02-JUN-2011 02:21:44	Straylight	40.500	147	Alp Ara	2.8770	26000.	81	48394	No
33	GOM_TRA_1PNPDE20110602_022326_000000523103_00104_48394_2060.N1	02-JUN-2011 02:23:26	Straylight	52.000	40	The Sco	1.8590	7100.0	104	48394	No
34	GOM_TRA_1PNPDE20110602_022512_000000473103_00104_48394_2061.N1	02-JUN-2011 02:25:12	Twilight	47.000	25	35Lam Sco	1.6200	28000.	94	48394	No
35	GOM_TRA_1PNPDE20110602_022656_000000463103_00104_48394_2062.N1	02-JUN-2011 02:26:56	Twilight	45.500	75	26Eps Sco	2.2910	4250.0	91	48394	No
36	GOM_TRA_1PNPDE20110602_022856_000000563103_00104_48394_2063.N1	02-JUN-2011 02:28:56	Bright	56.000	136	23Tau Sco	2.8220	30000.	112	48394	No
37	GOM_TRA_1PNPDE20110602_023229_000000463103_00104_48394_2064.N1	02-JUN-2011 02:32:29	Bright	46.000	86	35Eta Oph	2.4300	10200.	92	48394	No
38	GOM_TRA_1PNPDE20110602_023419_000000413103_00104_48394_2065.N1	02-JUN-2011 02:34:19	Bright	40.500	98	13Zet Oph	2.5710	30000.	81	48394	No
39	GOM_TRA_1PNPDE20110602_023629_000000393103_00104_48394_2066.N1	02-JUN-2011 02:36:29	Bright	39.000	120	1Del Oph	2.7340	3200.0	78	48394	No
40	GOM_TRA_1PNPDE20110602_023929_000000373103_00104_48394_2067.N1	02-JUN-2011 02:39:29	Bright	37.000	102	24Alp Ser	2.6000	4250.0	74	48394	No
41	GOM_TRA_1PNPDE20110602_024427_000000423103_00104_48394_2068.N1	02-JUN-2011 02:44:27	Bright	42.000	127	27Bet Her	2.7810	4700.0	84	48394	No
42	GOM_TRA_1PNPDE20110602_024749_000000413103_00104_48394_2069.N1	02-JUN-2011 02:47:49	Bright	41.000	133	40Zet Her	2.8070	6000.0	82	48394	No
43	GOM_TRA_1PNPDE20110602_025549_000000363103_00104_48394_2070.N1	02-JUN-2011 02:55:49	Bright	35.500	119	14Eta Dra	2.7270	4700.0	71	48394	No
44	GOM_TRA_1PNPDE20110602_030601_000000483103_00104_48394_2094.N1	02-JUN-2011 03:06:01	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	48394	No
45	GOM_TRA_1PNPDE20110602_031114_000000463103_00104_48394_2095.N1	02-JUN-2011 03:11:14	Bright	45.500	76	27Gam Cas	2.3000	30000.	91	48394	No
46	GOM_TRA_1PNPDE20110602_031902_000000473103_00104_48394_2096.N1	02-JUN-2011 03:19:02	Bright	46.500	53	43Bet And	2.0480	3300.0	93	48394	No
47	GOM_TRA_1PNPDE20110602_032144_000000543103_00104_48394_2097.N1	02-JUN-2011 03:21:44	Twilight	54.000	58	21Alp And	2.0730	11000.	108	48394	No
48	GOM_TRA_1PNPDE20110602_032648_000000533103_00104_48394_2098.N1	02-JUN-2011 03:26:48	Dark	53.000	140	88Gam Peg	2.8340	26000.	106	48394	No
49	GOM_TRA_1PNPDE20110602_033550_000000493103_00104_48394_2099.N1	02-JUN-2011 03:35:50	Dark	48.500	52	16Bet Cet	2.0370	4500.0	97	48394	No
50	GOM_TRA_1PNPDE20110602_034229_000000463103_00104_48394_2100.N1	02-JUN-2011 03:42:29	Dark	45.500	84	Alp Phe	2.3970	4500.0	91	48394	No
51	GOM_TRA_1PNPDE20110602_034446_000000573103_00104_48394_2101.N1	02-JUN-2011 03:44:46	Dark	56.500	18	24Alp PsA	1.1660	9700.0	113	48394	No
52	GOM_TRA_1PNPDE20110602_034755_000000503103_00105_48395_2102.N1	02-JUN-2011 03:47:55	Dark	49.500	63	Bet Gru	2.1500	2800.0	99	48395	No
53	GOM_TRA_1PNPDE20110602_034949_000000483103_00105_48395_2103.N1	02-JUN-2011 03:49:49	Dark	47.500	31	Alp Gru	1.7340	15200.	95	48395	No
54	GOM_TRA_1PNPDE20110602_035440_000000433103_00105_48395_2104.N1	02-JUN-2011 03:54:40	Straylight	43.000	45	Alp Pav	1.9400	26000.	86	48395	No
55	GOM_TRA_1PNPDE20110602_040159_000000393103_00105_48395_2105.N1	02-JUN-2011 04:01:59	Straylight	39.000	147	Alp Ara	2.8770	26000.	78	48395	No
56	GOM_TRA_1PNPDE20110602_040340_000000533103_00105_48395_2106.N1	02-JUN-2011 04:03:40	Straylight	53.000	40	The Sco	1.8590	7100.0	106	48395	No
57	GOM_TRA_1PNPDE20110602_040527_000000493103_00105_48395_2107.N1	02-JUN-2011 04:05:27	Twilight	48.500	25	35Lam Sco	1.6200	28000.	97	48395	No
58	GOM_TRA_1PNPDE20110602_040710_000000473103_00105_48395_2108.N1	02-JUN-2011 04:07:10	Twilight	46.500	75	26Eps Sco	2.2910	4250.0	93	48395	No
59	GOM_TRA_1PNPDE20110602_040910_000000523103_00105_48395_2109.N1	02-JUN-2011 04:09:10	Bright	51.500	136	23Tau Sco	2.8220	30000.	103	48395	No

60	GOM_TRA_1PNPDE20110602_041244_000000463103_00105_48395_2110.N1	02-JUN-2011 04:12:44	Bright	45.500	86	35Eta Oph	2.4300	10200.	91	48395	No
61	GOM_TRA_1PNPDE20110602_041433_000000423103_00105_48395_2111.N1	02-JUN-2011 04:14:33	Bright	41.500	98	13Zet Oph	2.5710	30000.	83	48395	No
62	GOM_TRA_1PNPDE20110602_041643_000000393103_00105_48395_2112.N1	02-JUN-2011 04:16:43	Bright	38.500	120	1Del Oph	2.7340	3200.0	77	48395	No
63	GOM_TRA_1PNPDE20110602_041944_000000363103_00105_48395_2113.N1	02-JUN-2011 04:19:44	Bright	36.000	102	24Alp Ser	2.6000	4250.0	72	48395	No
64	GOM_TRA_1PNPDE20110602_042441_000000433103_00105_48395_2114.N1	02-JUN-2011 04:24:41	Bright	43.000	127	27Bet Her	2.7810	4700.0	86	48395	No
65	GOM_TRA_1PNPDE20110602_042803_000000433103_00105_48395_2115.N1	02-JUN-2011 04:28:03	Bright	42.500	133	40Zet Her	2.8070	6000.0	85	48395	No
66	GOM_TRA_1PNPDE20110602_043603_000000563103_00105_48395_2116.N1	02-JUN-2011 04:36:03	Bright	56.000	119	14Eta Dra	2.7270	4700.0	112	48395	No
67	GOM_TRA_1PNPDE20110602_044614_000000463103_00105_48395_2117.N1	02-JUN-2011 04:46:14	Bright	46.000	89	5Alp Cep	2.4510	8000.0	92	48395	No
68	GOM_TRA_1PNPDK20110602_062628_000000463103_00106_48396_7637.N1	02-JUN-2011 06:26:28	Bright	45.500	89	5Alp Cep	2.4510	8000.0	91	48396	Yes
69	GOM_TRA_1PNPDK20110602_063142_000000563103_00106_48396_7638.N1	02-JUN-2011 06:31:42	Bright	56.000	76	27Gam Cas	2.3000	30000.	112	48396	No
70	GOM_TRA_1PNPDK20110602_063930_000000493103_00106_48396_7639.N1	02-JUN-2011 06:39:30	Bright	48.500	53	43Bet And	2.0480	3300.0	97	48396	No
71	GOM_TRA_1PNPDK20110602_064213_000000543103_00106_48396_7640.N1	02-JUN-2011 06:42:13	Twilight	54.000	58	21Alp And	2.0730	11000.	108	48396	No
72	GOM_TRA_1PNPDK20110602_064718_000000553103_00106_48396_7641.N1	02-JUN-2011 06:47:18	Dark	54.500	140	88Gam Peg	2.8340	26000.	109	48396	No
73	GOM_TRA_1PNPDK20110602_065620_000000483103_00106_48396_7642.N1	02-JUN-2011 06:56:20	Dark	48.000	52	16Bet Cet	2.0370	4500.0	96	48396	No
74	GOM_TRA_1PNPDK20110602_070259_000000443103_00106_48396_7643.N1	02-JUN-2011 07:02:59	Dark	43.500	84	Alp Phe	2.3970	4500.0	87	48396	No
75	GOM_TRA_1PNPDK20110602_070517_000000563103_00106_48396_7644.N1	02-JUN-2011 07:05:17	Dark	55.500	18	24Alp PsA	1.1660	9700.0	111	48396	No
76	GOM_TRA_1PNPDK20110602_070825_000000583103_00107_48397_7645.N1	02-JUN-2011 07:08:25	Dark	58.000	63	Bet Gru	2.1500	2800.0	116	48397	No
77	GOM_TRA_1PNPDK20110602_071019_000000473103_00107_48397_7646.N1	02-JUN-2011 07:10:19	Dark	47.000	31	Alp Gru	1.7340	15200.	94	48397	No
78	GOM_TRA_1PNPDK20110602_071510_000000453103_00107_48397_7647.N1	02-JUN-2011 07:15:10	Straylight	44.500	45	Alp Pav	1.9400	26000.	89	48397	No
79	GOM_TRA_1PNPDK20110602_072228_000000413103_00107_48397_7648.N1	02-JUN-2011 07:22:28	Straylight	41.000	147	Alp Ara	2.8770	26000.	82	48397	No
80	GOM_TRA_1PNPDK20110602_072409_000000473103_00107_48397_7649.N1	02-JUN-2011 07:24:09	Straylight	47.000	40	The Sco	1.8590	7100.0	94	48397	No
81	GOM_TRA_1PNPDK20110602_072556_000000493103_00107_48397_7650.N1	02-JUN-2011 07:25:56	Twilight	49.000	25	35Lam Sco	1.6200	28000.	98	48397	No
82	GOM_TRA_1PNPDK20110602_072739_000000473103_00107_48397_7651.N1	02-JUN-2011 07:27:39	Twilight	47.000	75	26Eps Sco	2.2910	4250.0	94	48397	No
83	GOM_TRA_1PNPDK20110602_072939_000000453103_00107_48397_7652.N1	02-JUN-2011 07:29:39	Bright	44.500	136	23Tau Sco	2.8220	30000.	89	48397	No
84	GOM_TRA_1PNPDK20110602_073312_000000463103_00107_48397_7653.N1	02-JUN-2011 07:33:12	Bright	45.500	86	35Eta Oph	2.4300	10200.	91	48397	No
85	GOM_TRA_1PNPDK20110602_073502_000000413103_00107_48397_7703.N1	02-JUN-2011 07:35:02	Bright	40.500	98	13Zet Oph	2.5710	30000.	81	48397	No
86	GOM_TRA_1PNPDK20110602_073712_000000393103_00107_48397_7704.N1	02-JUN-2011 07:37:12	Bright	38.500	120	1Del Oph	2.7340	3200.0	77	48397	No
87	GOM_TRA_1PNPDK20110602_074011_000000373103_00107_48397_7705.N1	02-JUN-2011 07:40:11	Bright	37.000	102	24Alp Ser	2.6000	4250.0	74	48397	No
88	GOM_TRA_1PNPDK20110602_074508_000000433103_00107_48397_7706.N1	02-JUN-2011 07:45:08	Bright	42.500	127	27Bet Her	2.7810	4700.0	85	48397	No
89	GOM_TRA_1PNPDK20110602_074830_000000443103_00107_48397_7707.N1	02-JUN-2011 07:48:30	Bright	43.500	133	40Zet Her	2.8070	6000.0	87	48397	No
90	GOM_TRA_1PNPDK20110602_075630_000000563103_00107_48397_7708.N1	02-JUN-2011 07:56:30	Bright	56.000	119	14Eta Dra	2.7270	4700.0	112	48397	No
91	GOM_TRA_1PNPDK20110602_080641_000000473103_00107_48397_7709.N1	02-JUN-2011 08:06:41	Bright	47.000	89	5Alp Cep	2.4510	8000.0	94	48397	No
92	GOM_TRA_1PNPDK20110602_081156_000000563103_00107_48397_7710.N1	02-JUN-2011 08:11:56	Bright	56.000	76	27Gam Cas	2.3000	30000.	112	48397	No
93	GOM_TRA_1PNPDK20110602_081944_000000463103_00107_48397_7711.N1	02-JUN-2011 08:19:44	Bright	46.000	53	43Bet And	2.0480	3300.0	92	48397	No
94	GOM_TRA_1PNPDK20110602_082227_000000563103_00107_48397_7712.N1	02-JUN-2011 08:22:27	Twilight	56.000	58	21Alp And	2.0730	11000.	112	48397	No
95	GOM_TRA_1PNPDK20110602_082732_000000543103_00107_48397_7713.N1	02-JUN-2011 08:27:32	Dark	53.500	140	88Gam Peg	2.8340	26000.	107	48397	No
96	GOM_TRA_1PNPDK20110602_083634_000000553103_00107_48397_7714.N1	02-JUN-2011 08:36:34	Dark	55.000	52	16Bet Cet	2.0370	4500.0	110	48397	No
97	GOM_TRA_1PNPDK20110602_084313_000000453103_00107_48397_7715.N1	02-JUN-2011 08:43:13	Dark	45.000	84	Alp Phe	2.3970	4500.0	90	48397	No
98	GOM_TRA_1PNPDK20110602_084532_000000693103_00107_48397_7716.N1	02-JUN-2011 08:45:32	Dark	69.000	18	24Alp PsA	1.1660	9700.0	138	48397	No
99	GOM_TRA_1PNPDK20110602_102854_000000633103_00109_48399_7791.N1	02-JUN-2011 10:28:54	Dark	63.000	63	Bet Gru	2.1500	2800.0	126	48399	No
100	GOM_TRA_1PNPDK20110602_103049_000000473103_00109_48399_7792.N1	02-JUN-2011 10:30:49	Dark	46.500	31	Alp Gru	1.7340	15200.	93	48399	No
101	GOM_TRA_1PNPDK20110602_103539_000000453103_00109_48399_7793.N1	02-JUN-2011 10:35:39	Straylight	44.500	45	Alp Pav	1.9400	26000.	89	48399	No
102	GOM_TRA_1PNPDK20110602_104256_000000393103_00109_48399_7794.N1	02-JUN-2011 10:42:56	Straylight	38.500	147	Alp Ara	2.8770	26000.	77	48399	No
103	GOM_TRA_1PNPDK20110602_104438_000000493103_00109_48399_7795.N1	02-JUN-2011 10:44:38	Straylight	49.000	40	The Sco	1.8590	7100.0	98	48399	No
104	GOM_TRA_1PNPDK20110602_104625_000000503103_00109_48399_7796.N1	02-JUN-2011 10:46:25	Twilight	50.000	25	35Lam Sco	1.6200	28000.	100	48399	No
105	GOM_TRA_1PNPDK20110602_104807_000000473103_00109_48399_7797.N1	02-JUN-2011 10:48:07	Twilight	46.500	75	26Eps Sco	2.2910	4250.0	93	48399	No
106	GOM_TRA_1PNPDK20110602_105007_000000493103_00109_48399_7798.N1	02-JUN-2011 10:50:07	Bright	49.000	136	23Tau Sco	2.8220	30000.	98	48399	No
107	GOM_TRA_1PNPDK20110602_105340_000000443103_00109_48399_7799.N1	02-JUN-2011 10:53:40	Bright	44.000	86	35Eta Oph	2.4300	10200.	88	48399	No
108	GOM_TRA_1PNPDK20110602_105530_000000403103_00109_48399_7877.N1	02-JUN-2011 10:55:30	Bright	40.000	98	13Zet Oph	2.5710	30000.	80	48399	No
109	GOM_TRA_1PNPDK20110602_105740_000000403103_00109_48399_7878.N1	02-JUN-2011 10:57:40	Bright	39.500	120	1Del Oph	2.7340	3200.0	79	48399	No
110	GOM_TRA_1PNPDK20110602_110039_000000373103_00109_48399_7879.N1	02-JUN-2011 11:00:39	Bright	36.500	102	24Alp Ser	2.6000	4250.0	73	48399	No
111	GOM_TRA_1PNPDK20110602_110536_000000433103_00109_48399_7880.N1	02-JUN-2011 11:05:36	Bright	42.500	127	27Bet Her	2.7810	4700.0	85	48399	No
112	GOM_TRA_1PNPDK20110602_110857_000000623103_00109_48399_7881.N1	02-JUN-2011 11:08:57	Bright	62.000	133	40Zet Her	2.8070	6000.0	124	48399	No
113	GOM_TRA_1PNPDK20110602_111657_000000403103_00109_48399_7882.N1	02-JUN-2011 11:16:57	Bright	39.500	119	14Eta Dra	2.7270	4700.0	79	48399	No
114	GOM_TRA_1PNPDK20110602_112708_000000463103_00109_48399_7883.N1	02-JUN-2011 11:27:08	Bright	45.500	89	5Alp Cep	2.4510	8000.0	91	48399	No
115	GOM_TRA_1PNPDK20110602_113223_000000473103_00109_48399_7884.N1	02-JUN-2011 11:32:23	Bright	47.000	76	27Gam Cas	2.3000	30000.	94	48399	No
116	GOM_TRA_1PNPDK20110602_114012_000000473103_00109_48399_7885.N1	02-JUN-2011 11:40:12	Bright	46.500	53	43Bet And	2.0480	3300.0	93	48399	No
117	GOM_TRA_1PNPDK20110602_114256_000000553103_00109_48399_7886.N1	02-JUN-2011 11:42:56	Twilight	55.000	58	21Alp And	2.0730	11000.	110	48399	No
118	GOM_TRA_1PNPDK20110602_114801_000000543103_00109_48399_7887.N1	02-JUN-2011 11:48:01	Dark	54.000	140	88Gam Peg	2.8340	26000.	108	48399	No

119	GOM_TRA_1PNPDK20110602_115704_000000493103_00109_48399_7888.N1	02-JUN-2011 11:57:04	Dark	48.500	52	16Bet Cet	2.0370	4500.0	97	48399	No
120	GOM_TRA_1PNPDK20110602_120603_000000683103_00109_48399_7889.N1	02-JUN-2011 12:06:03	Dark	67.500	18	24Alp PsA	1.1660	9700.0	135	48399	No
121	GOM_TRA_1PNPDK20110602_120909_000000563103_00110_48400_7890.N1	02-JUN-2011 12:09:09	Dark	55.500	63	Bet Gru	2.1500	2800.0	111	48400	No
122	GOM_TRA_1PNPDK20110602_121104_000000483103_00110_48400_7891.N1	02-JUN-2011 12:11:04	Dark	47.500	31	Alp Gru	1.7340	15200.	95	48400	No
123	GOM_TRA_1PNPDK20110602_121554_000000433103_00110_48400_7892.N1	02-JUN-2011 12:15:54	Straylight	42.500	45	Alp Pav	1.9400	26000.	85	48400	No
124	GOM_TRA_1PNPDK20110602_122311_000000403103_00110_48400_7893.N1	02-JUN-2011 12:23:11	Straylight	40.000	147	Alp Ara	2.8770	26000.	80	48400	No
125	GOM_TRA_1PNPDK20110602_122452_000000463103_00110_48400_7894.N1	02-JUN-2011 12:24:52	Straylight	45.500	40	The Sco	1.8590	7100.0	91	48400	No
126	GOM_TRA_1PNPDK20110602_122639_000000483103_00110_48400_7895.N1	02-JUN-2011 12:26:39	Twilight_stray	47.500	25	35Lam Sco	1.6200	28000.	95	48400	No
127	GOM_TRA_1PNPDK20110602_122822_000000473103_00110_48400_7896.N1	02-JUN-2011 12:28:22	Twilight_stray	46.500	75	26Eps Sco	2.2910	4250.0	93	48400	No
128	GOM_TRA_1PNPDK20110602_123022_000000473103_00110_48400_7897.N1	02-JUN-2011 12:30:22	Bright	46.500	136	23Tau Sco	2.8220	30000.	93	48400	No
129	GOM_TRA_1PNPDK20110602_123354_000000443103_00110_48400_7922.N1	02-JUN-2011 12:33:54	Bright	43.500	86	35Eta Oph	2.4300	10200.	87	48400	No
130	GOM_TRA_1PNPDK20110602_123544_000000443103_00110_48400_7923.N1	02-JUN-2011 12:35:44	Bright	43.500	98	13Zet Oph	2.5710	30000.	87	48400	No
131	GOM_TRA_1PNPDK20110602_123753_000000393103_00110_48400_7924.N1	02-JUN-2011 12:37:53	Bright	39.000	120	1Del Oph	2.7340	3200.0	78	48400	No
132	GOM_TRA_1PNPDK20110602_124053_000000373103_00110_48400_7925.N1	02-JUN-2011 12:40:53	Bright	36.500	102	24Alp Ser	2.6000	4250.0	73	48400	No
133	GOM_TRA_1PNPDK20110602_124549_000000423103_00110_48400_7926.N1	02-JUN-2011 12:45:49	Bright	42.000	127	27Bet Her	2.7810	4700.0	84	48400	No
134	GOM_TRA_1PNPDK20110602_124910_000000403103_00110_48400_7927.N1	02-JUN-2011 12:49:10	Bright	40.000	133	40Zet Her	2.8070	6000.0	80	48400	No
135	GOM_TRA_1PNPDK20110602_125711_000000373103_00110_48400_7928.N1	02-JUN-2011 12:57:11	Bright	36.500	119	14Eta Dra	2.7270	4700.0	73	48400	No
136	GOM_TRA_1PNPDK20110602_130721_000000483103_00110_48400_7929.N1	02-JUN-2011 13:07:21	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	48400	No
137	GOM_TRA_1PNPDK20110602_131237_000000393103_00110_48400_7930.N1	02-JUN-2011 13:12:37	Bright	38.500	76	27Gam Cas	2.3000	30000.	77	48400	No
138	GOM_TRA_1PNPDK20110602_132026_000000433103_00110_48400_7931.N1	02-JUN-2011 13:20:26	Bright	42.500	53	43Bet And	2.0480	3300.0	85	48400	No
139	GOM_TRA_1PNPDK20110602_132310_000000573103_00110_48400_7932.N1	02-JUN-2011 13:23:10	Twilight_stray	57.000	58	21Alp And	2.0730	11000.	114	48400	No
140	GOM_TRA_1PNPDK20110602_132816_000000533103_00110_48400_7933.N1	02-JUN-2011 13:28:16	Dark	52.500	140	88Gam Peg	2.8340	26000.	105	48400	No
141	GOM_TRA_1PNPDK20110602_133718_000000483103_00110_48400_7934.N1	02-JUN-2011 13:37:18	Dark	47.500	52	16Bet Cet	2.0370	4500.0	95	48400	No
142	GOM_TRA_1PNPDK20110602_134618_000000673103_00110_48400_7935.N1	02-JUN-2011 13:46:18	Dark	66.500	18	24Alp PsA	1.1660	9700.0	133	48400	No
143	GOM_TRA_1PNPDK20110602_134924_000000613103_00111_48401_7936.N1	02-JUN-2011 13:49:24	Dark	60.500	63	Bet Gru	2.1500	2800.0	121	48401	No
144	GOM_TRA_1PNPDK20110602_135118_000000463103_00111_48401_7937.N1	02-JUN-2011 13:51:18	Dark	46.000	31	Alp Gru	1.7340	15200.	92	48401	No
145	GOM_TRA_1PNPDK20110602_135608_000000443103_00111_48401_7938.N1	02-JUN-2011 13:56:08	Straylight	43.500	45	Alp Pav	1.9400	26000.	87	48401	No
146	GOM_TRA_1PNPDK20110602_140325_000000413103_00111_48401_7939.N1	02-JUN-2011 14:03:25	Straylight	40.500	147	Alp Ara	2.8770	26000.	81	48401	No
147	GOM_TRA_1PNPDK20110602_140507_000000443103_00111_48401_7940.N1	02-JUN-2011 14:05:07	Straylight	44.000	40	The Sco	1.8590	7100.0	88	48401	No
148	GOM_TRA_1PNPDK20110602_140653_000000483103_00111_48401_7941.N1	02-JUN-2011 14:06:53	Twilight_stray	47.500	25	35Lam Sco	1.6200	28000.	95	48401	No
149	GOM_TRA_1PNPDK20110602_140836_000000483103_00111_48401_7942.N1	02-JUN-2011 14:08:36	Twilight_stray	47.500	75	26Eps Sco	2.2910	4250.0	95	48401	No
150	GOM_TRA_1PNPDK20110602_141036_000000453103_00111_48401_7943.N1	02-JUN-2011 14:10:36	Bright	44.500	136	23Tau Sco	2.8220	30000.	89	48401	No
151	GOM_TRA_1PNPDK20110602_141408_000000453103_00111_48401_8024.N1	02-JUN-2011 14:14:08	Bright	44.500	86	35Eta Oph	2.4300	10200.	89	48401	No
152	GOM_TRA_1PNPDK20110602_141558_000000413103_00111_48401_8025.N1	02-JUN-2011 14:15:58	Bright	41.000	98	13Zet Oph	2.5710	30000.	82	48401	No
153	GOM_TRA_1PNPDK20110602_141807_000000393103_00111_48401_8026.N1	02-JUN-2011 14:18:07	Bright	38.500	120	1Del Oph	2.7340	3200.0	77	48401	No
154	GOM_TRA_1PNPDK20110602_142107_000000373103_00111_48401_8027.N1	02-JUN-2011 14:21:07	Bright	36.500	102	24Alp Ser	2.6000	4250.0	73	48401	No
155	GOM_TRA_1PNPDK20110602_142603_000000413103_00111_48401_8028.N1	02-JUN-2011 14:26:03	Bright	40.500	127	27Bet Her	2.7810	4700.0	81	48401	No
156	GOM_TRA_1PNPDK20110602_142924_000000413103_00111_48401_8029.N1	02-JUN-2011 14:29:24	Bright	41.000	133	40Zet Her	2.8070	6000.0	82	48401	No
157	GOM_TRA_1PNPDK20110602_143725_000000403103_00111_48401_8030.N1	02-JUN-2011 14:37:25	Bright	40.000	119	14Eta Dra	2.7270	4700.0	80	48401	No
158	GOM_TRA_1PNPDK20110602_144734_000000483103_00111_48401_8031.N1	02-JUN-2011 14:47:34	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	48401	No
159	GOM_TRA_1PNPDK20110602_145251_000000483103_00111_48401_8032.N1	02-JUN-2011 14:52:51	Bright	48.000	76	27Gam Cas	2.3000	30000.	96	48401	No
160	GOM_TRA_1PNPDK20110602_150040_000000583103_00111_48401_8033.N1	02-JUN-2011 15:00:40	Bright	58.000	53	43Bet And	2.0480	3300.0	116	48401	No
161	GOM_TRA_1PNPDK20110602_150324_000000563103_00111_48401_8034.N1	02-JUN-2011 15:03:24	Twilight_stray	55.500	58	21Alp And	2.0730	11000.	111	48401	No
162	GOM_TRA_1PNPDK20110602_150830_000000513103_00111_48401_8035.N1	02-JUN-2011 15:08:30	Dark	50.500	140	88Gam Peg	2.8340	26000.	101	48401	No
163	GOM_TRA_1PNPDK20110602_151733_000000513103_00111_48401_8036.N1	02-JUN-2011 15:17:33	Dark	51.000	52	16Bet Cet	2.0370	4500.0	102	48401	No
164	GOM_TRA_1PNPDK20110602_152633_00000053103_00111_48401_8037.N1	02-JUN-2011 15:26:33	Dark	54.500	18	24Alp PsA	1.1660	9700.0	109	48401	No
165	GOM_TRA_1PNPDK20110602_152939_000000593103_00112_48402_8038.N1	02-JUN-2011 15:29:39	Dark	58.500	63	Bet Gru	2.1500	2800.0	117	48402	No
166	GOM_TRA_1PNPDK20110602_153134_000000493103_00112_48402_8039.N1	02-JUN-2011 15:31:34	Dark	48.500	31	Alp Gru	1.7340	15200.	97	48402	No
167	GOM_TRA_1PNPDK20110602_153623_000000433103_00112_48402_8040.N1	02-JUN-2011 15:36:23	Straylight	42.500	45	Alp Pav	1.9400	26000.	85	48402	No
168	GOM_TRA_1PNPDK20110602_154340_000000403103_00112_48402_8041.N1	02-JUN-2011 15:43:40	Straylight	40.000	147	Alp Ara	2.8770	26000.	80	48402	No
169	GOM_TRA_1PNPDK20110602_154521_000000473103_00112_48402_8042.N1	02-JUN-2011 15:45:21	Straylight	46.500	40	The Sco	1.8590	7100.0	93	48402	No
170	GOM_TRA_1PNPDK20110602_154708_000000473103_00112_48402_8043.N1	02-JUN-2011 15:47:08	Twilight_stray	46.500	25	35Lam Sco	1.6200	28000.	93	48402	No
171	GOM_TRA_1PNPDK20110602_154850_000000463103_00112_48402_8044.N1	02-JUN-2011 15:48:50	Twilight_stray	45.500	75	26Eps Sco	2.2910	4250.0	91	48402	No
172	GOM_TRA_1PNPDK20110602_155050_000000463103_00112_48402_8135.N1	02-JUN-2011 15:50:50	Bright	46.000	136	23Tau Sco	2.8220	30000.	92	48402	No
173	GOM_TRA_1PNPDK20110602_155422_000000453103_00112_48402_8136.N1	02-JUN-2011 15:54:22	Bright	44.500	86	35Eta Oph	2.4300	10200.	89	48402	No
174	GOM_TRA_1PNPDK20110602_155612_000000413103_00112_48402_8137.N1	02-JUN-2011 15:56:12	Bright	41.000	98	13Zet Oph	2.5710	30000.	82	48402	No
175	GOM_TRA_1PNPDK20110602_155821_000000383103_00112_48402_8138.N1	02-JUN-2011 15:58:21	Bright	38.000	120	1Del Oph	2.7340	3200.0	76	48402	No
176	GOM_TRA_1PNPDK20110602_160121_000000373103_00112_48402_8139.N1	02-JUN-2011 16:01:21	Bright	36.500	102	24Alp Ser	2.6000	4250.0	73	48402	No
177	GOM_TRA_1PNPDK20110602_160617_000000413103_00112_48402_8140.N1	02-JUN-2011 16:06:17	Bright	40.500	127	27Bet Her	2.7810	4700.0	81	48402	No

178	GOM_TRA_1PNPDK20110602_160937_000000413103_00112_48402_8141.N1	02-JUN-2011 16:09:37	Bright	40.500	133	40Zet Her	2.8070	6000.0	81	48402	No
179	GOM_TRA_1PNPDK20110602_161739_000000393103_00112_48402_8142.N1	02-JUN-2011 16:17:39	Bright	38.500	119	14Eta Dra	2.7270	4700.0	77	48402	No
180	GOM_TRA_1PNPDK20110602_162748_000000483103_00112_48402_8143.N1	02-JUN-2011 16:27:48	Bright	48.000	89	5Alp Cep	2.4510	8000.0	96	48402	No
181	GOM_TRA_1PNPDK20110602_163305_000000383103_00112_48402_8144.N1	02-JUN-2011 16:33:05	Bright	37.500	76	27Gam Cas	2.3000	30000.	75	48402	No
182	GOM_TRA_1PNPDK20110602_164055_000000453103_00112_48402_8145.N1	02-JUN-2011 16:40:55	Bright	44.500	53	43Bet And	2.0480	3300.0	89	48402	No
183	GOM_TRA_1PNPDK20110602_164338_000000543103_00112_48402_8146.N1	02-JUN-2011 16:43:38	Twilight	54.000	58	21Alp And	2.0730	11000.	108	48402	No
184	GOM_TRA_1PNPDK20110602_164845_000000543103_00112_48402_8147.N1	02-JUN-2011 16:48:45	Dark	53.500	140	88Gam Peg	2.8340	26000.	107	48402	No
185	GOM_TRA_1PNPDK20110602_165748_000000493103_00112_48402_8148.N1	02-JUN-2011 16:57:48	Dark	48.500	52	16Bet Cet	2.0370	4500.0	97	48402	No
186	GOM_TRA_1PNPDK20110602_170649_000000573103_00112_48402_8149.N1	02-JUN-2011 17:06:49	Dark	56.500	18	24Alp PsA	1.1660	9700.0	113	48402	No
187	GOM_TRA_1PNPDK20110602_170954_000000543103_00113_48403_8150.N1	02-JUN-2011 17:09:54	Dark	54.000	63	Bet Gru	2.1500	2800.0	108	48403	No
188	GOM_TRA_1PNPDK20110602_171148_000000463103_00113_48403_8151.N1	02-JUN-2011 17:11:48	Dark	46.000	31	Alp Gru	1.7340	15200.	92	48403	No
189	GOM_TRA_1PNPDK20110602_171638_000000433103_00113_48403_8152.N1	02-JUN-2011 17:16:38	Straylight	43.000	45	Alp Pav	1.9400	26000.	86	48403	No
190	GOM_TRA_1PNPDK20110602_172354_000000433103_00113_48403_8153.N1	02-JUN-2011 17:23:54	Straylight	42.500	147	Alp Ara	2.8770	26000.	85	48403	No
191	GOM_TRA_1PNPDK20110602_172536_000000473103_00113_48403_8154.N1	02-JUN-2011 17:25:36	Straylight	47.000	40	The Sco	1.8590	7100.0	94	48403	No
192	GOM_TRA_1PNPDK20110602_172722_000000473103_00113_48403_8191.N1	02-JUN-2011 17:27:22	Twilight	47.000	25	35Lam Sco	1.6200	28000.	94	48403	No
193	GOM_TRA_1PNPDK20110602_172905_000000473103_00113_48403_8192.N1	02-JUN-2011 17:29:05	Twilight	46.500	75	26Eps Sco	2.2910	4250.0	93	48403	No
194	GOM_TRA_1PNPDK20110602_173104_000000563103_00113_48403_8193.N1	02-JUN-2011 17:31:04	Bright	56.000	136	23Tau Sco	2.8220	30000.	112	48403	No
195	GOM_TRA_1PNPDK20110602_173436_000000453103_00113_48403_8194.N1	02-JUN-2011 17:34:36	Bright	44.500	86	35Eta Oph	2.4300	10200.	89	48403	No
196	GOM_TRA_1PNPDK20110602_173626_000000413103_00113_48403_8195.N1	02-JUN-2011 17:36:26	Bright	40.500	98	13Zet Oph	2.5710	30000.	81	48403	No
197	GOM_TRA_1PNPDK20110602_173836_000000393103_00113_48403_8196.N1	02-JUN-2011 17:38:36	Bright	38.500	120	1Del Oph	2.7340	3200.0	77	48403	No
198	GOM_TRA_1PNPDK20110602_174135_000000363103_00113_48403_8197.N1	02-JUN-2011 17:41:35	Bright	36.000	102	24Alp Ser	2.6000	4250.0	72	48403	No
199	GOM_TRA_1PNPDK20110602_174630_000000413103_00113_48403_8198.N1	02-JUN-2011 17:46:30	Bright	41.000	127	27Bet Her	2.7810	4700.0	82	48403	No
200	GOM_TRA_1PNPDK20110602_174951_000000423103_00113_48403_8199.N1	02-JUN-2011 17:49:51	Bright	41.500	133	40Zet Her	2.8070	6000.0	83	48403	No
201	GOM_TRA_1PNPDK20110602_175752_000000393103_00113_48403_8200.N1	02-JUN-2011 17:57:52	Bright	39.000	119	14Eta Dra	2.7270	4700.0	78	48403	No
202	GOM_TRA_1PNPDK20110602_180801_000000473103_00113_48403_8201.N1	02-JUN-2011 18:08:01	Bright	47.000	89	5Alp Cep	2.4510	8000.0	94	48403	No
203	GOM_TRA_1PNPDK20110602_181319_000000563103_00113_48403_8202.N1	02-JUN-2011 18:13:19	Bright	56.000	76	27Gam Cas	2.3000	30000.	112	48403	No
204	GOM_TRA_1PNPDK20110602_182109_000000443103_00113_48403_8203.N1	02-JUN-2011 18:21:09	Bright	44.000	53	43Bet And	2.0480	3300.0	88	48403	No
205	GOM_TRA_1PNPDK20110602_182352_000000543103_00113_48403_8204.N1	02-JUN-2011 18:23:52	Twilight	53.500	58	21Alp And	2.0730	11000.	107	48403	No
206	GOM_TRA_1PNPDK20110602_182859_000000543103_00113_48403_8205.N1	02-JUN-2011 18:28:59	Dark	54.000	140	88Gam Peg	2.8340	26000.	108	48403	No
207	GOM_TRA_1PNPDK20110602_183802_000000513103_00113_48403_8206.N1	02-JUN-2011 18:38:02	Dark	51.000	52	16Bet Cet	2.0370	4500.0	102	48403	No
208	GOM_TRA_1PNPDK20110602_184704_000000583103_00113_48403_8207.N1	02-JUN-2011 18:47:04	Dark	57.500	18	24Alp PsA	1.1660	9700.0	115	48403	No
209	GOM_TRA_1PNPDK20110602_185009_000000633103_00114_48404_8208.N1	02-JUN-2011 18:50:09	Dark	62.500	63	Bet Gru	2.1500	2800.0	125	48404	No
210	GOM_TRA_1PNPDK20110602_185204_000000473103_00114_48404_8209.N1	02-JUN-2011 18:52:04	Dark	46.500	31	Alp Gru	1.7340	15200.	93	48404	No
211	GOM_TRA_1PNPDK20110602_185652_000000443103_00114_48404_8210.N1	02-JUN-2011 18:56:52	Straylight	44.000	45	Alp Pav	1.9400	26000.	88	48404	No
212	GOM_TRA_1PNPDK20110602_190408_000000423103_00114_48404_8259.N1	02-JUN-2011 19:04:08	Straylight	41.500	147	Alp Ara	2.8770	26000.	83	48404	Yes
213	GOM_TRA_1PNPDK20110602_190550_000000483103_00114_48404_8260.N1	02-JUN-2011 19:05:50	Straylight	48.000	40	The Sco	1.8590	7100.0	96	48404	No
214	GOM_TRA_1PNPDK20110602_190737_000000443103_00114_48404_8261.N1	02-JUN-2011 19:07:37	Twilight	43.500	25	35Lam Sco	1.6200	28000.	87	48404	No
215	GOM_TRA_1PNPDK20110602_190919_000000443103_00114_48404_8262.N1	02-JUN-2011 19:09:19	Twilight	44.000	75	26Eps Sco	2.2910	4250.0	88	48404	No
216	GOM_TRA_1PNPDK20110602_191118_000000423103_00114_48404_8263.N1	02-JUN-2011 19:11:18	Bright	41.500	136	23Tau Sco	2.8220	30000.	83	48404	No
217	GOM_TRA_1PNPDK20110602_191450_000000453103_00114_48404_8264.N1	02-JUN-2011 19:14:50	Bright	45.000	86	35Eta Oph	2.4300	10200.	90	48404	No
218	GOM_TRA_1PNPDK20110602_191640_000000413103_00114_48404_8265.N1	02-JUN-2011 19:16:40	Bright	40.500	98	13Zet Oph	2.5710	30000.	81	48404	No
219	GOM_TRA_1PNPDK20110602_191850_000000393103_00114_48404_8266.N1	02-JUN-2011 19:18:50	Bright	39.000	120	1Del Oph	2.7340	3200.0	78	48404	No
220	GOM_TRA_1PNPDK20110602_192149_000000363103_00114_48404_8267.N1	02-JUN-2011 19:21:49	Bright	36.000	102	24Alp Ser	2.6000	4250.0	72	48404	No
221	GOM_TRA_1PNPDK20110602_192644_000000423103_00114_48404_8268.N1	02-JUN-2011 19:26:44	Bright	41.500	127	27Bet Her	2.7810	4700.0	83	48404	No
222	GOM_TRA_1PNPDK20110602_193005_000000403103_00114_48404_8269.N1	02-JUN-2011 19:30:05	Bright	40.000	133	40Zet Her	2.8070	6000.0	80	48404	No
223	GOM_TRA_1PNPDK20110602_193806_000000393103_00114_48404_8270.N1	02-JUN-2011 19:38:06	Bright	38.500	119	14Eta Dra	2.7270	4700.0	77	48404	No
224	GOM_TRA_1PNPDK20110602_194815_000000473103_00114_48404_8271.N1	02-JUN-2011 19:48:15	Bright	47.000	89	5Alp Cep	2.4510	8000.0	94	48404	No
225	GOM_TRA_1PNPDK20110602_195333_000000563103_00114_48404_8272.N1	02-JUN-2011 19:53:33	Bright	55.500	76	27Gam Cas	2.3000	30000.	111	48404	No
226	GOM_TRA_1PNPDK20110602_200123_000000473103_00114_48404_8273.N1	02-JUN-2011 20:01:23	Bright	47.000	53	43Bet And	2.0480	3300.0	94	48404	No
227	GOM_TRA_1PNPDK20110602_200407_000000563103_00114_48404_8274.N1	02-JUN-2011 20:04:07	Twilight	56.000	58	21Alp And	2.0730	11000.	112	48404	No
228	GOM_TRA_1PNPDK20110602_200914_000000563103_00114_48404_8275.N1	02-JUN-2011 20:09:14	Dark	55.500	140	88Gam Peg	2.8340	26000.	111	48404	No
229	GOM_TRA_1PNPDK20110602_201817_000000473103_00114_48404_8276.N1	02-JUN-2011 20:18:17	Dark	46.500	52	16Bet Cet	2.0370	4500.0	93	48404	No
230	GOM_TRA_1PNPDK20110602_202719_000000693103_00114_48404_8277.N1	02-JUN-2011 20:27:19	Dark	68.500	18	24Alp PsA	1.1660	9700.0	137	48404	No
231	GOM_TRA_1PNPDK20110602_203024_000000613103_00115_48405_8278.N1	02-JUN-2011 20:30:24	Dark	60.500	63	Bet Gru	2.1500	2800.0	121	48405	No
232	GOM_TRA_1PNPDK20110602_203218_000000453103_00115_48405_8279.N1	02-JUN-2011 20:32:18	Dark	45.000	31	Alp Gru	1.7340	15200.	90	48405	No
233	GOM_TRA_1PNPDK20110602_203707_000000423103_00115_48405_8280.N1	02-JUN-2011 20:37:07	Straylight	41.500	45	Alp Pav	1.9400	26000.	83	48405	No
234	GOM_TRA_1PNPDK20110602_204423_000000403103_00115_48405_8281.N1	02-JUN-2011 20:44:23	Straylight	39.500	147	Alp Ara	2.8770	26000.	79	48405	No

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



4. Overview of dark signal processing per product

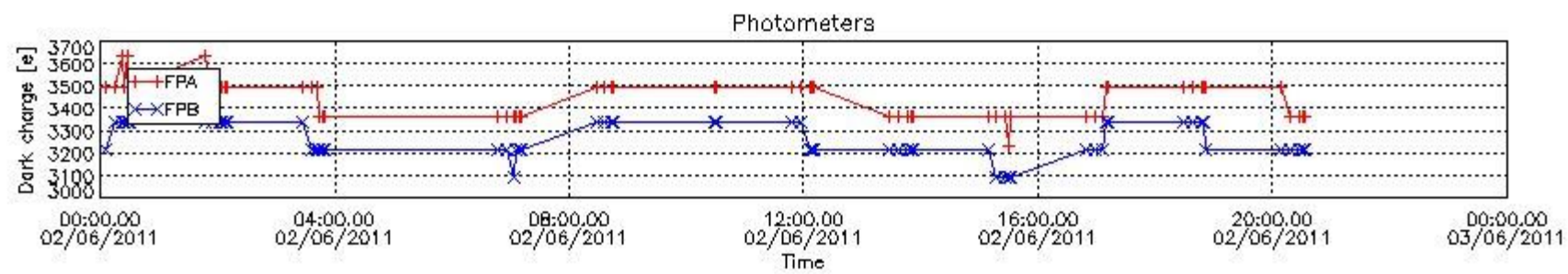
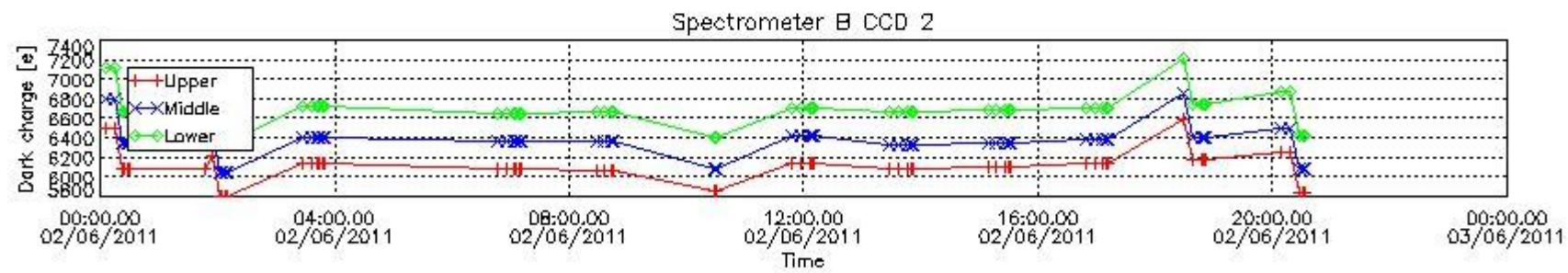
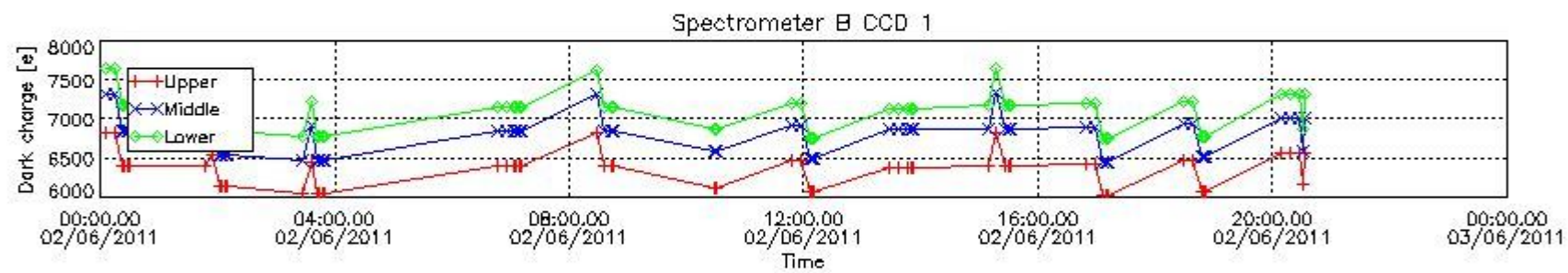
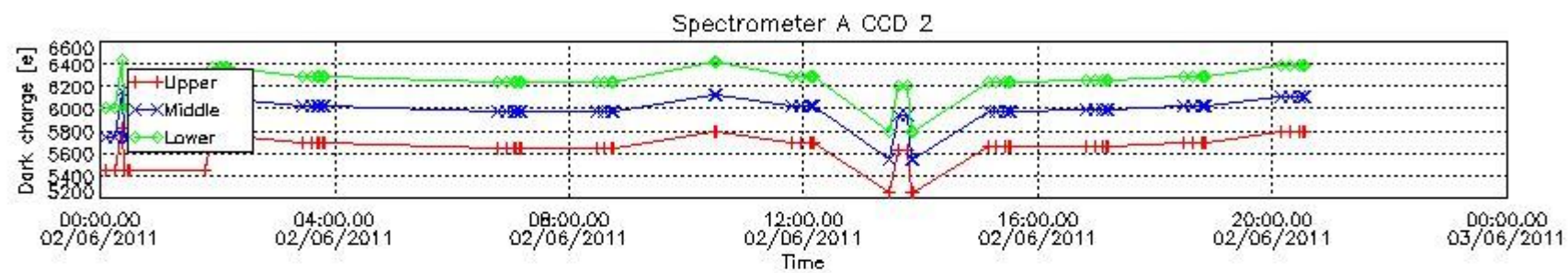
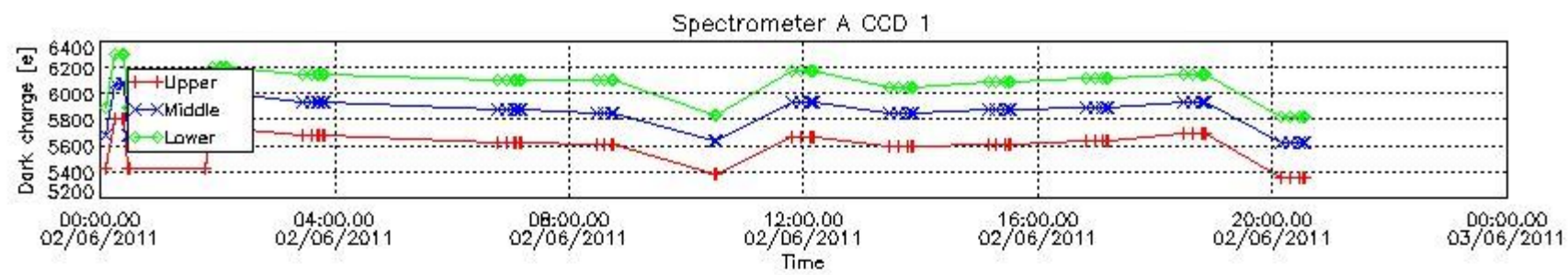
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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_1PNPDK20110602_102854_000000633103_00109_48399_7791.N1	DC map used
GOM_TRA_1PNPDK20110602_103049_000000473103_00109_48399_7792.N1	DC map used
GOM_TRA_1PNPDK20110602_103539_000000453103_00109_48399_7793.N1	DC map used
GOM_TRA_1PNPDK20110602_104256_000000393103_00109_48399_7794.N1	DC map used
GOM_TRA_1PNPDK20110602_104438_000000493103_00109_48399_7795.N1	DC map used
GOM_TRA_1PNPDK20110602_104625_000000503103_00109_48399_7796.N1	DC map used
GOM_TRA_1PNPDK20110602_104807_000000473103_00109_48399_7797.N1	DC map used
GOM_TRA_1PNPDK20110602_105007_000000493103_00109_48399_7798.N1	DC map used
GOM_TRA_1PNPDK20110602_105340_000000443103_00109_48399_7799.N1	DC map used

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



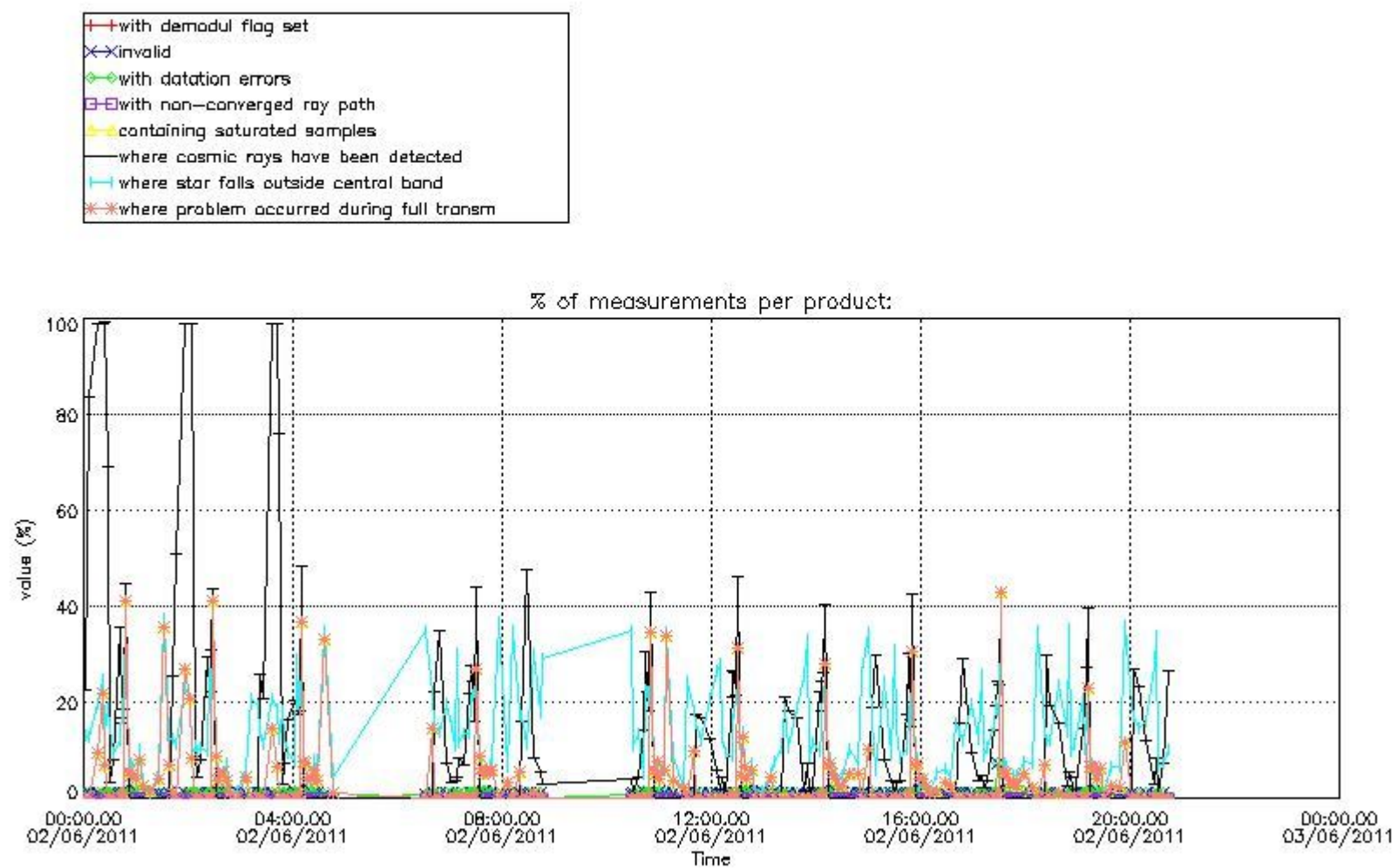
5. Demodulation flag and quality information monitoring

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.

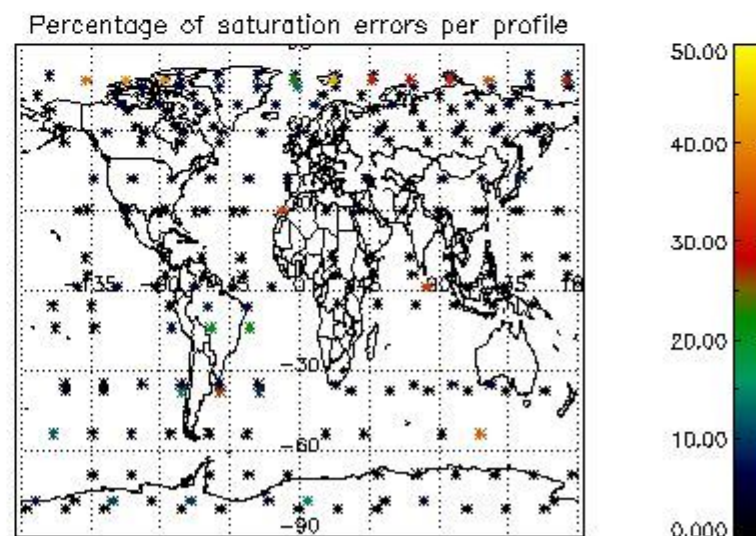
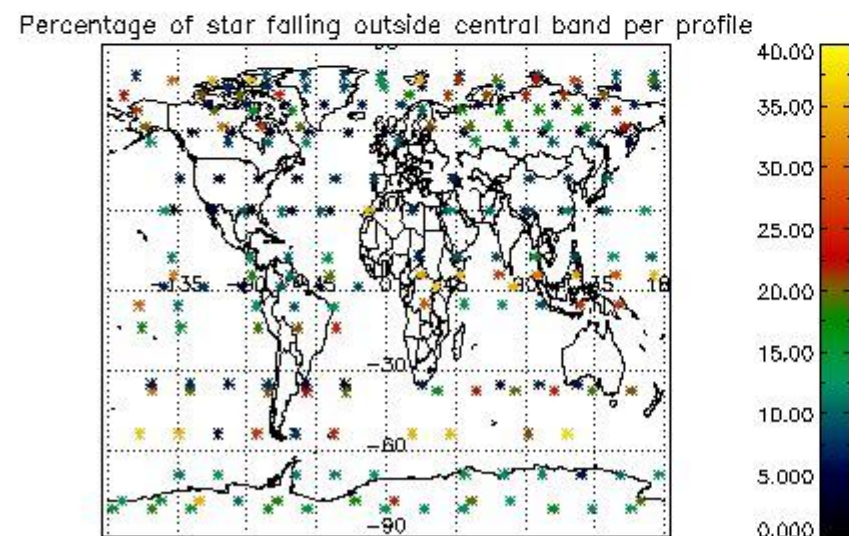
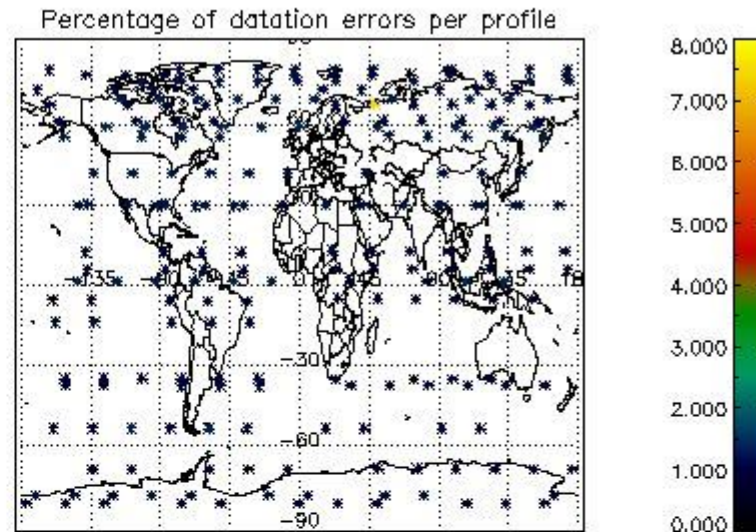
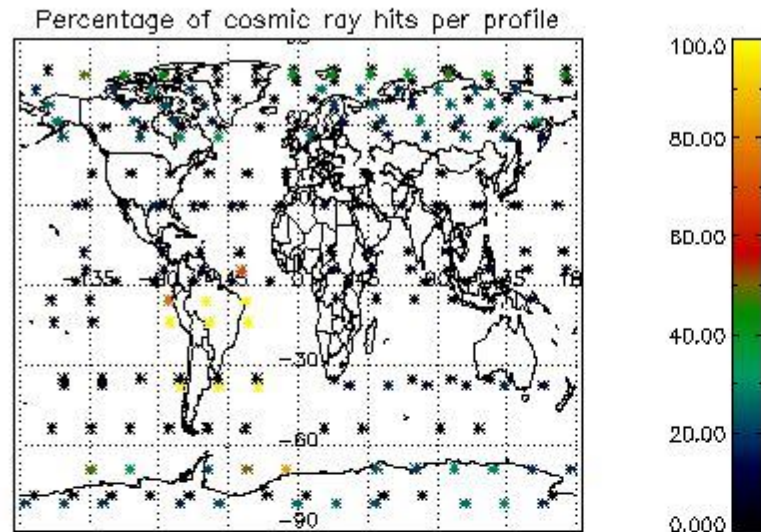
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	50.8621 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)



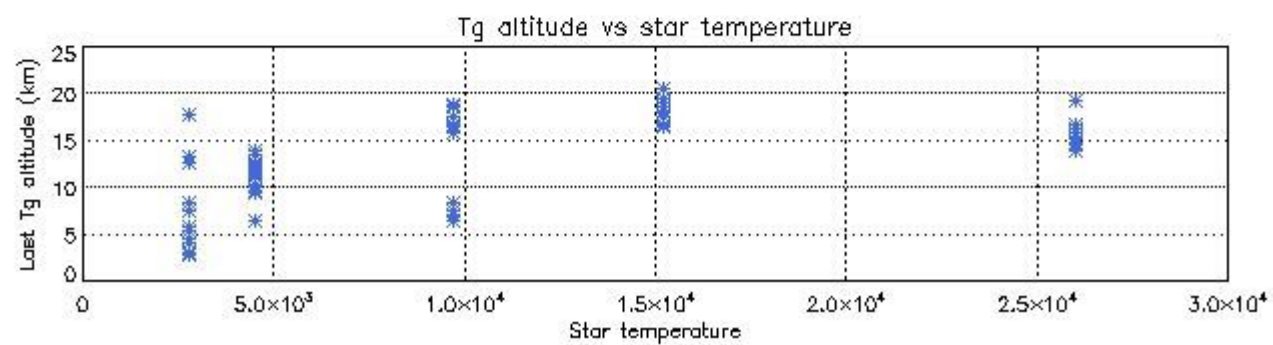
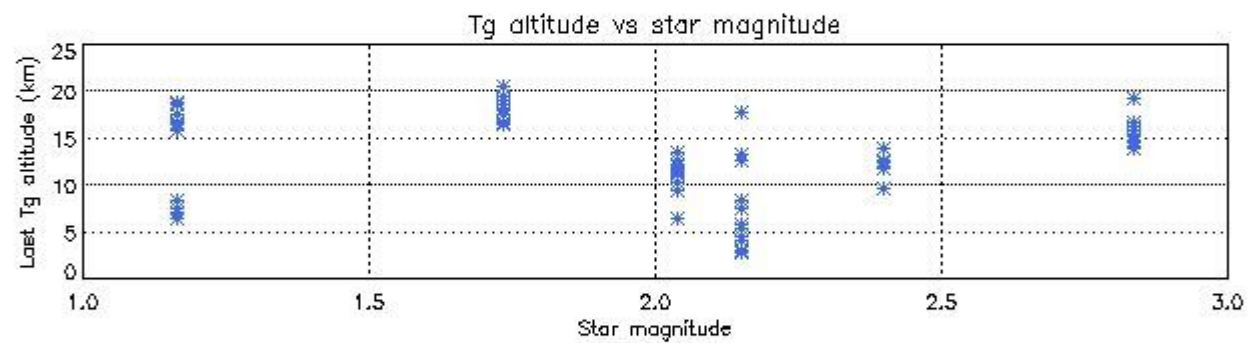
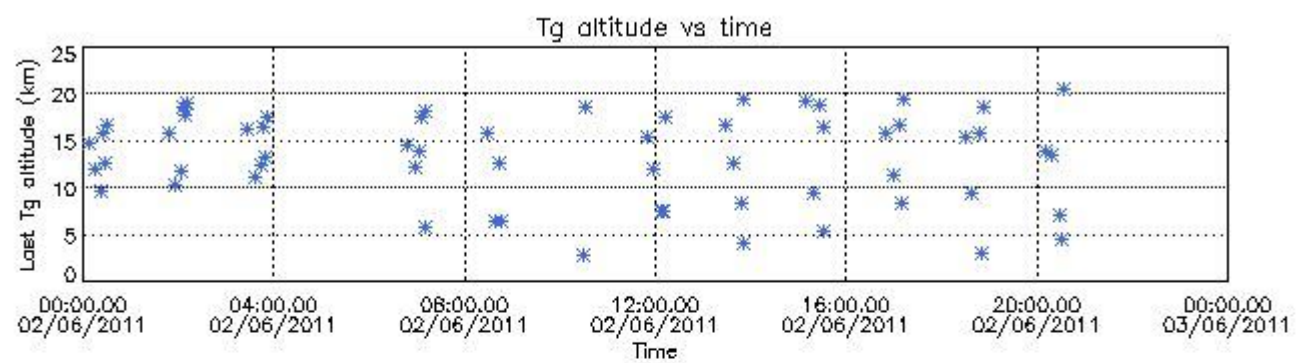
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	13.160	17.668	NaN
St. deviation:	4.7483	6.1747	NaN
Maximum:	20.454	27.721	NaN
Minimum:	2.8833	3.2074	NaN
Number of data:	60.000	110.00	NaN

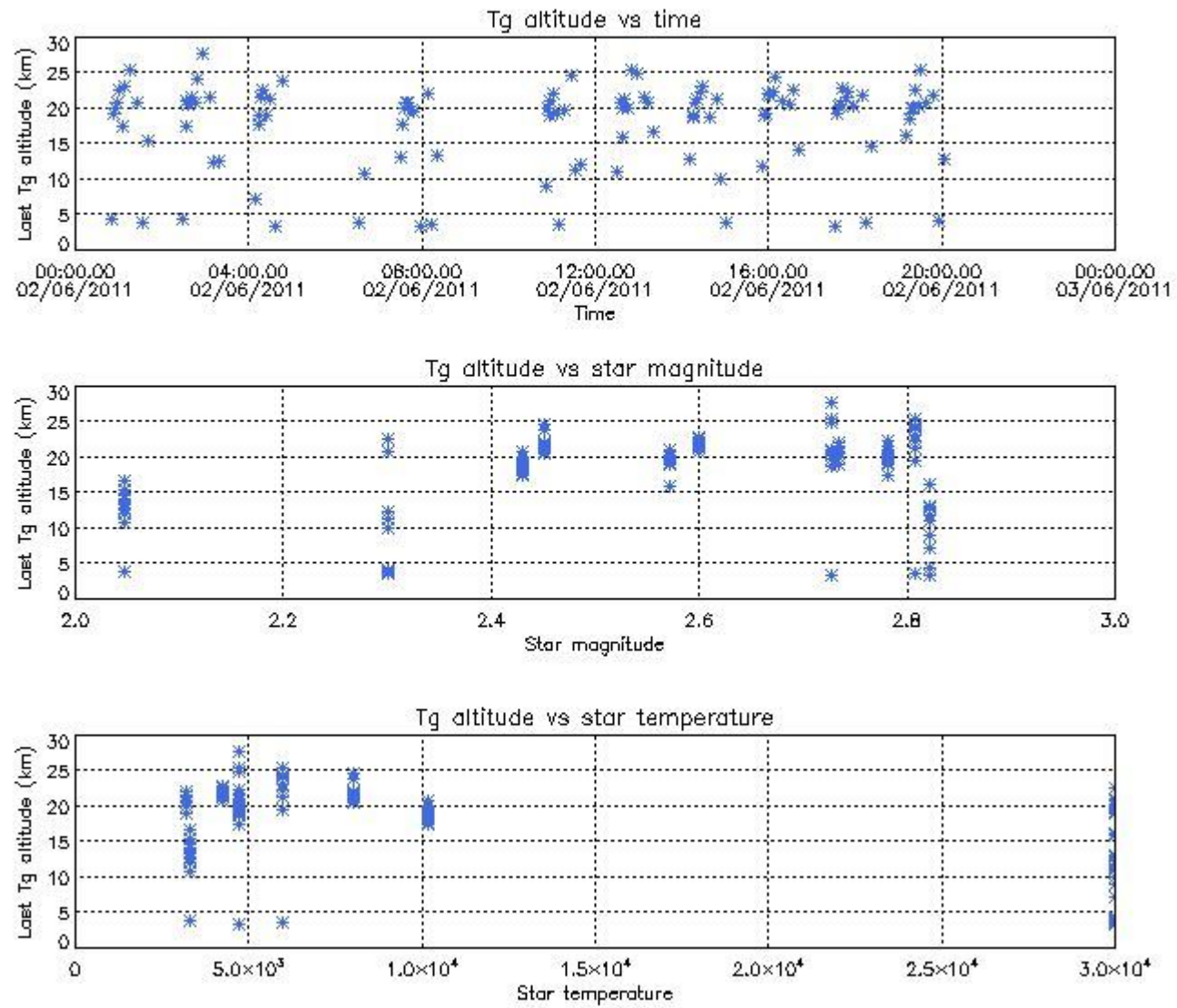
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

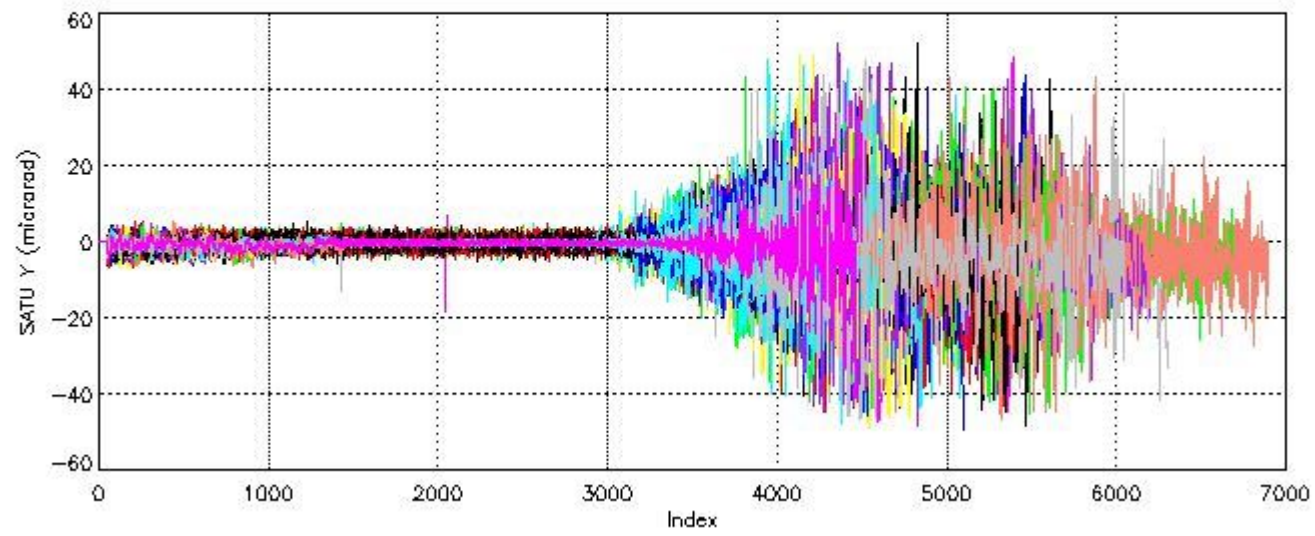
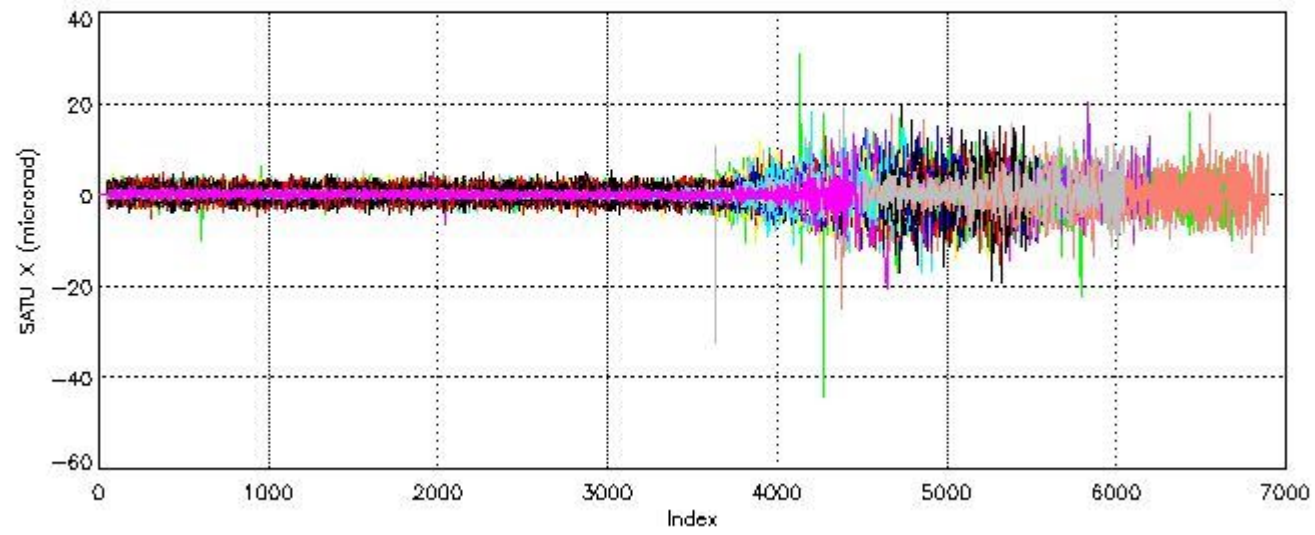


7. Star Acquisition and Tracking Unit (SATU)

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:	0.22983	-0.96980	0.23379	-1.1050
St. deviation:	0.50358	1.3506	0.78740	1.4045
Maximum:	4.8000	5.4000	4.9000	6.4000
Minimum:	-9.8000	-7.0000	-4.2000	-9.0000

Number of data:	64700.	64700.	1.0315E+05	1.0315E+05
90Percentile:	0.80000	0.70000	1.3000	0.60000

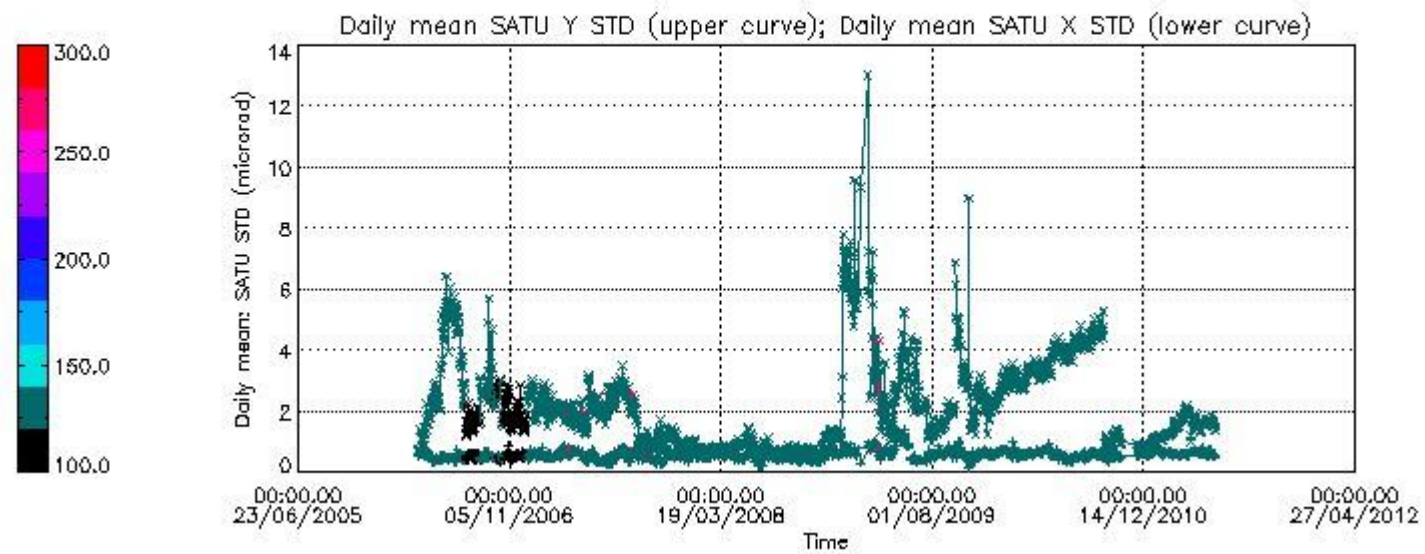
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb) and of daily SATU NEA 90th percentile since May 2011

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.

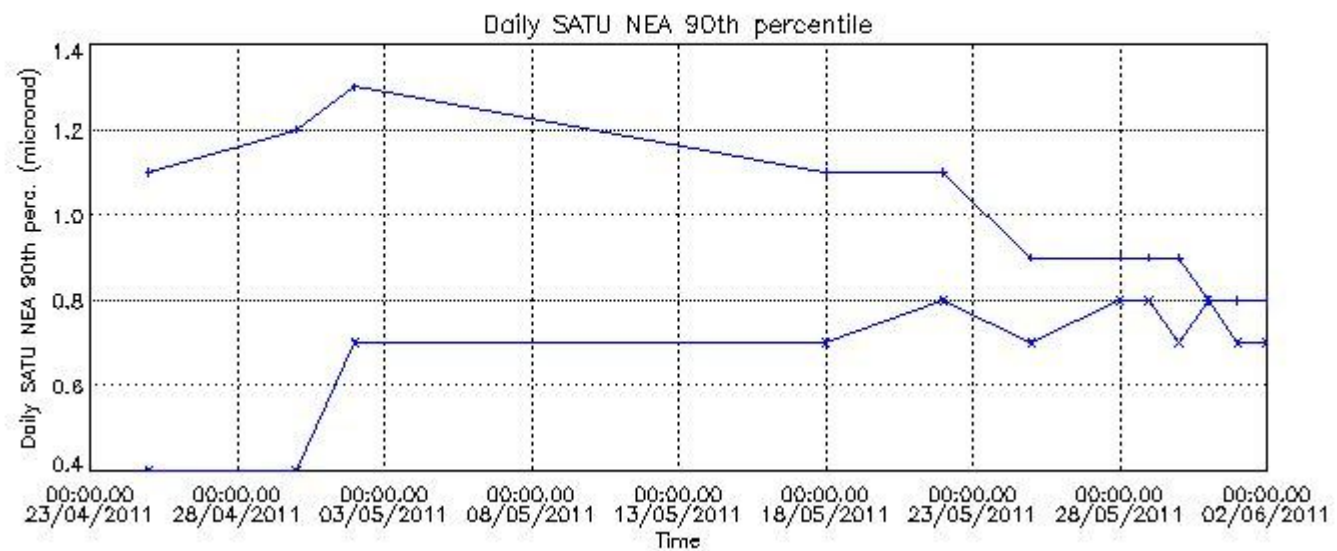
Upper curve: STD of SATU Y axis

Lower curve: STD of SATU X axis



Lower curve: 90th percentile of SATU Y axis

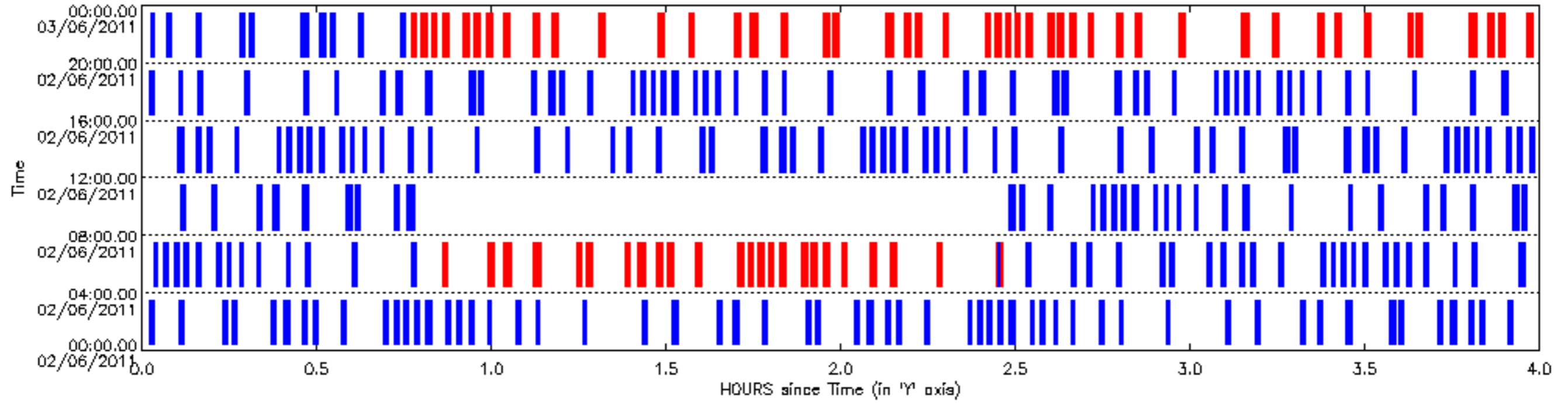
Upper curve: 90th percentile of SATU X axis

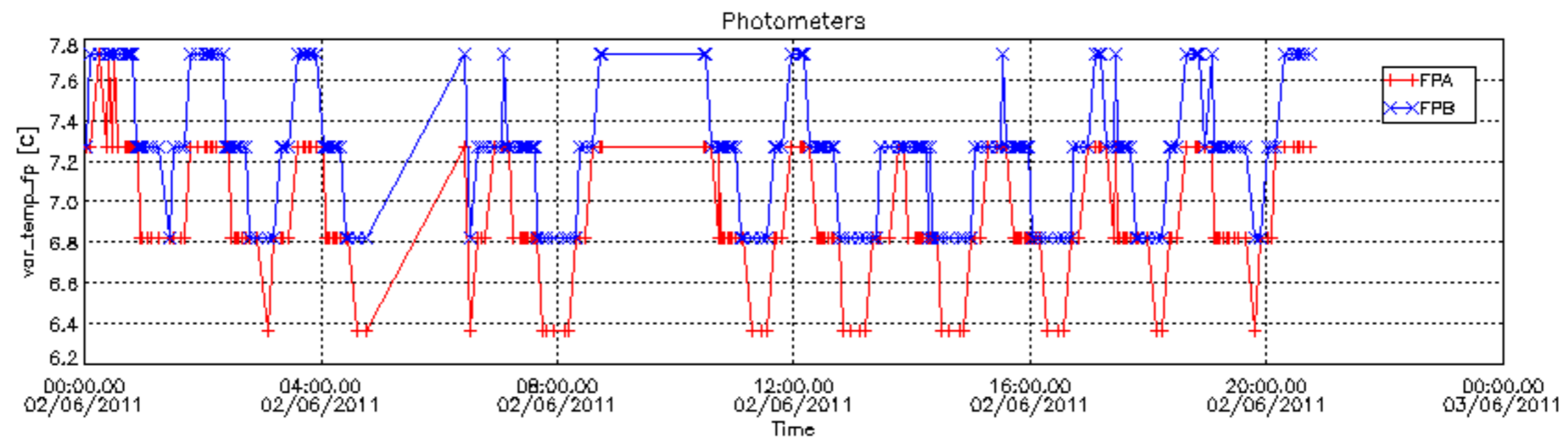
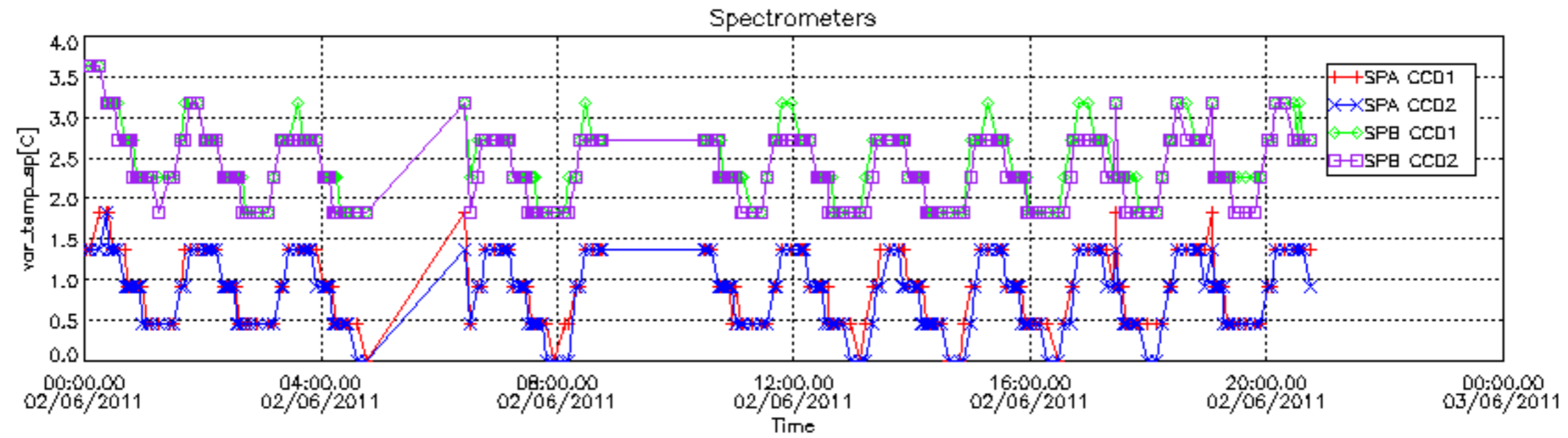


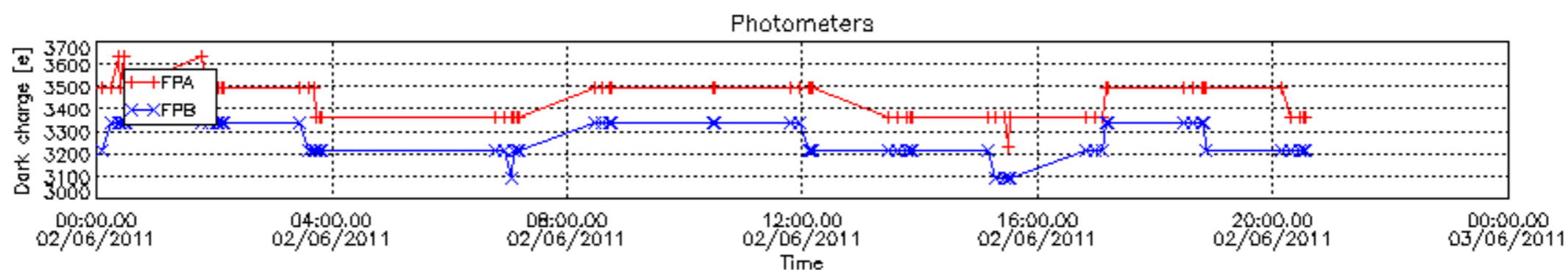
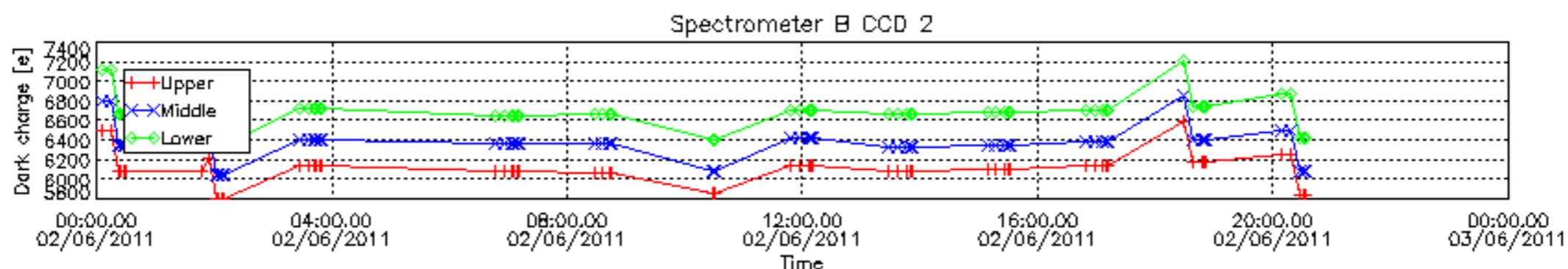
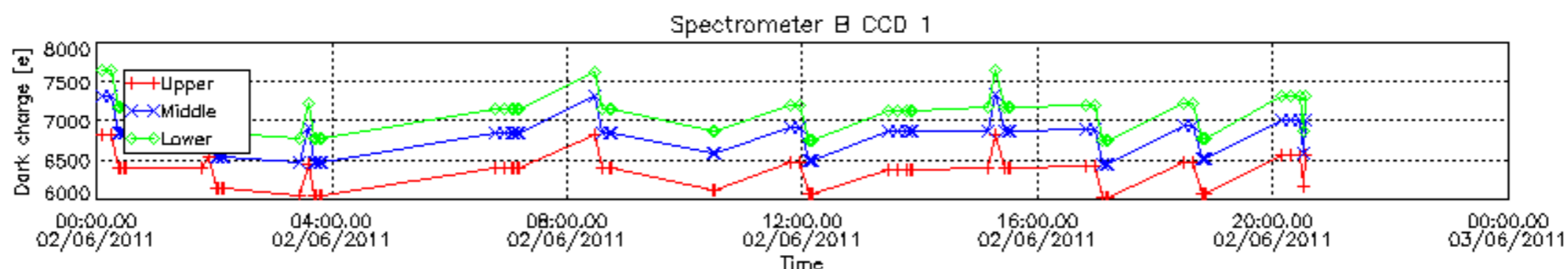
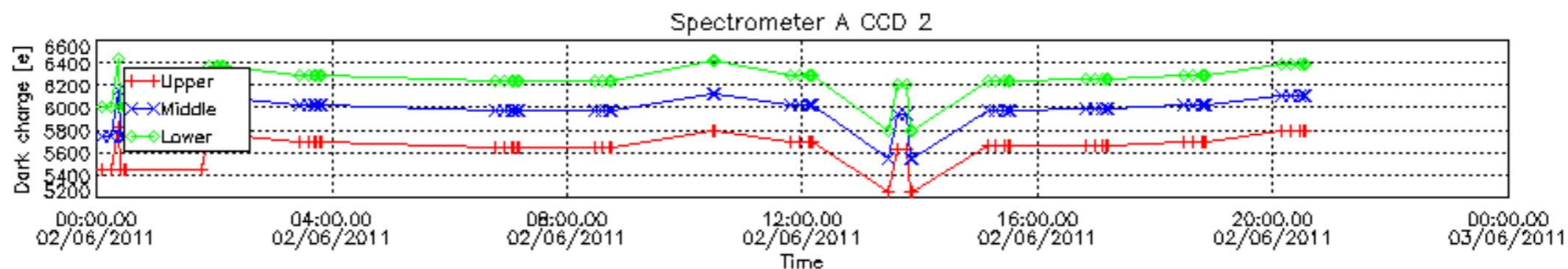
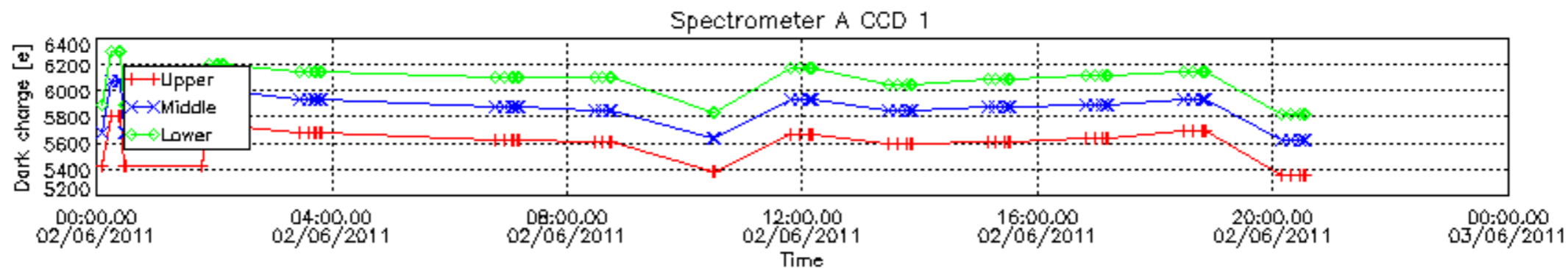
8. Auxiliary Data Files used for the production reported in section 2.4

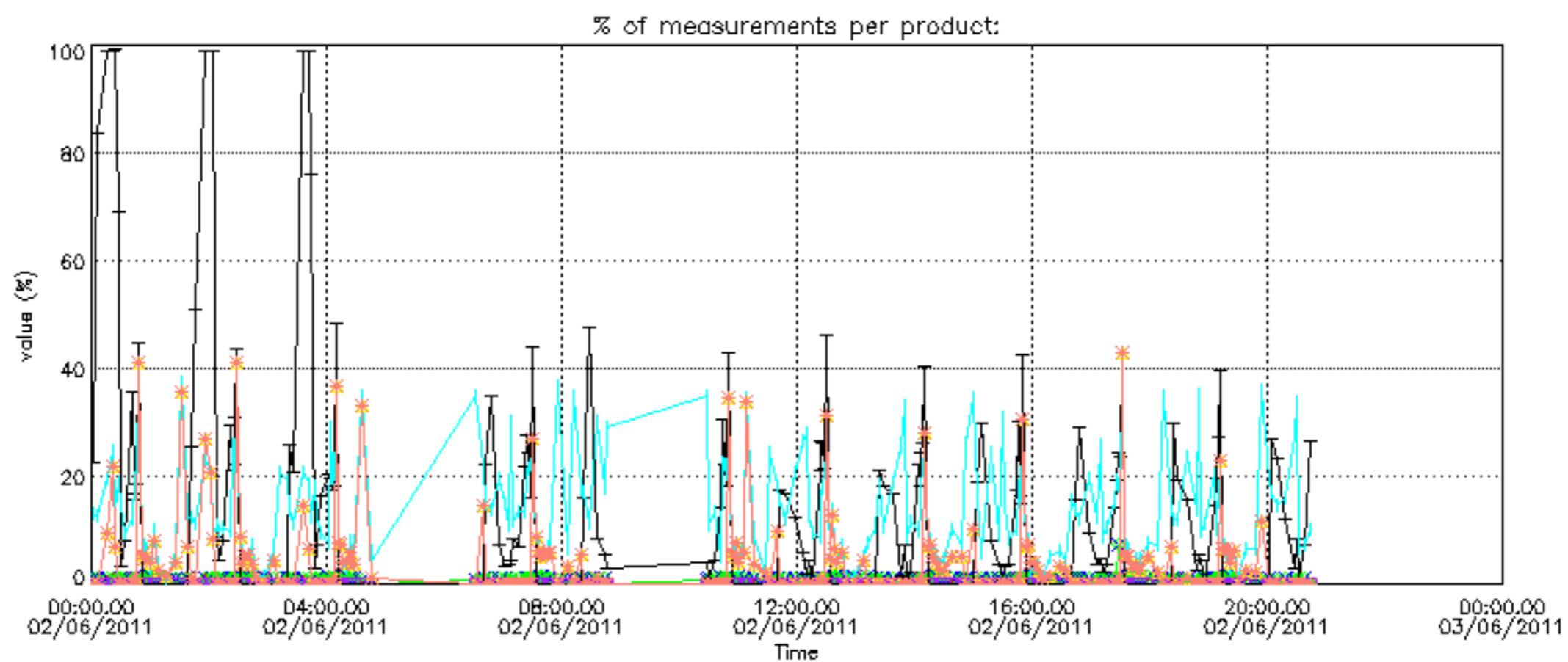
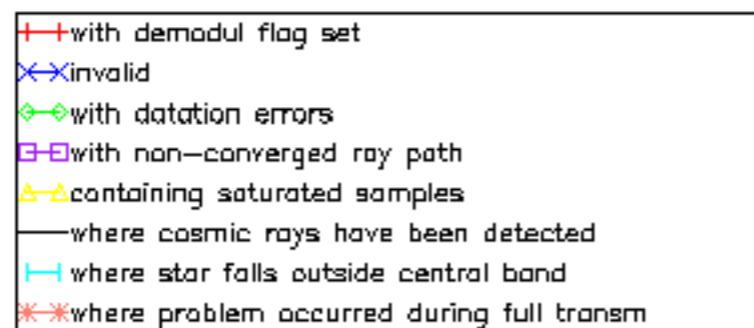
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	02-JUN-2011 00:01:16
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20110601_080509_20110531_000000_20500101_000000	1	02-JUN-2011 00:01:16
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	02-JUN-2011 00:01:16
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	02-JUN-2011 00:01:16
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	02-JUN-2011 00:01:16
ECMWF_FILE	AUX_ECF_AXNECM20110601_062324_20110601_210000_20110602_090000	1	02-JUN-2011 00:01:16
ECMWF_FILE	AUX_ECF_AXNECM20110601_182323_20110602_030000_20110602_150000	44	02-JUN-2011 03:06:01
ECMWF_FILE	AUX_ECA_AXNECM20110602_062115_20110601_210000_20110602_090000	68	02-JUN-2011 06:26:28
ECMWF_FILE	AUX_ECF_AXNECM20110602_062115_20110602_090000_20110602_210000	99	02-JUN-2011 10:28:54
ECMWF_FILE	AUX_ECF_AXNECM20110602_062116_20110602_150000_20110603_030000	172	02-JUN-2011 15:50:50
ECMWF_FILE	AUX_ECA_AXNECM20110602_182113_20110602_090000_20110602_210000	192	02-JUN-2011 17:27:22
OPTIONAL_ECMWF_FILE	MISSING	1	02-JUN-2011 00:01:16
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110601_223114_000057383103_00101_48391_6125.N1	1	02-JUN-2011 00:01:16
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110602_001211_000054193103_00102_48392_6126.N1	3	02-JUN-2011 00:15:21
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110602_014749_000041443103_00103_48393_6127.N1	26	02-JUN-2011 01:55:35
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110602_030212_000057383103_00104_48394_6128.N1	44	02-JUN-2011 03:06:01
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110602_062406_000038263103_00106_48396_4721.N1	68	02-JUN-2011 06:26:28
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110602_073310_000057383103_00107_48397_4722.N1	85	02-JUN-2011 07:35:02
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110602_091407_000054193103_00108_48398_4723.N1	99	02-JUN-2011 10:28:54
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110602_104945_000057383103_00109_48399_4724.N1	108	02-JUN-2011 10:55:30
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110602_123042_000057383103_00110_48400_4725.N1	129	02-JUN-2011 12:33:54
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110602_141139_000054193103_00111_48401_4726.N1	151	02-JUN-2011 14:14:08
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110602_154718_000054193103_00112_48402_4727.N1	172	02-JUN-2011 15:50:50
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110602_172256_000057383103_00113_48403_4728.N1	192	02-JUN-2011 17:27:22
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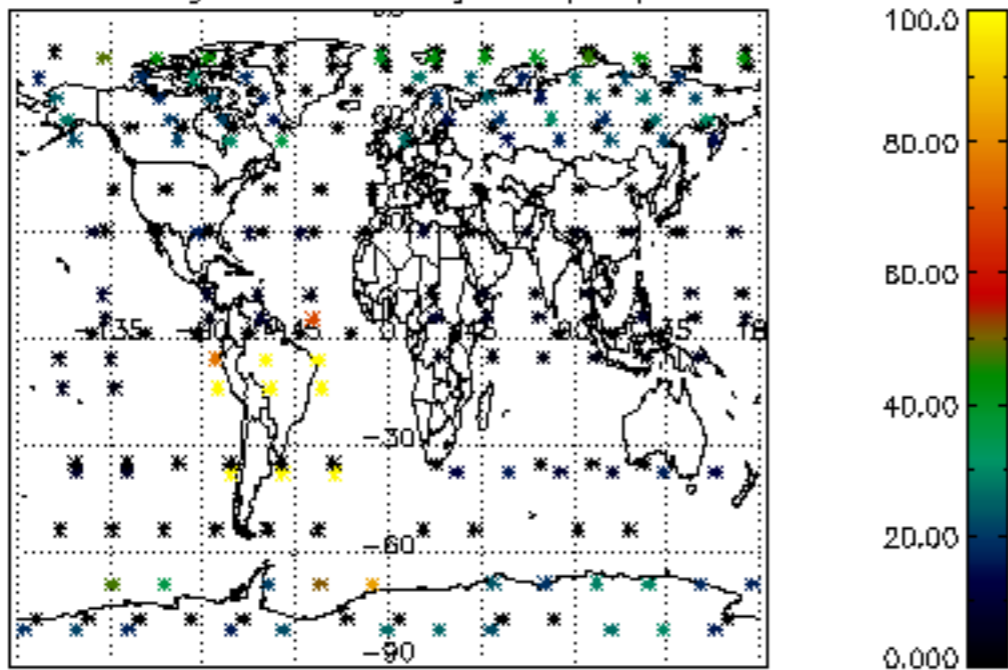




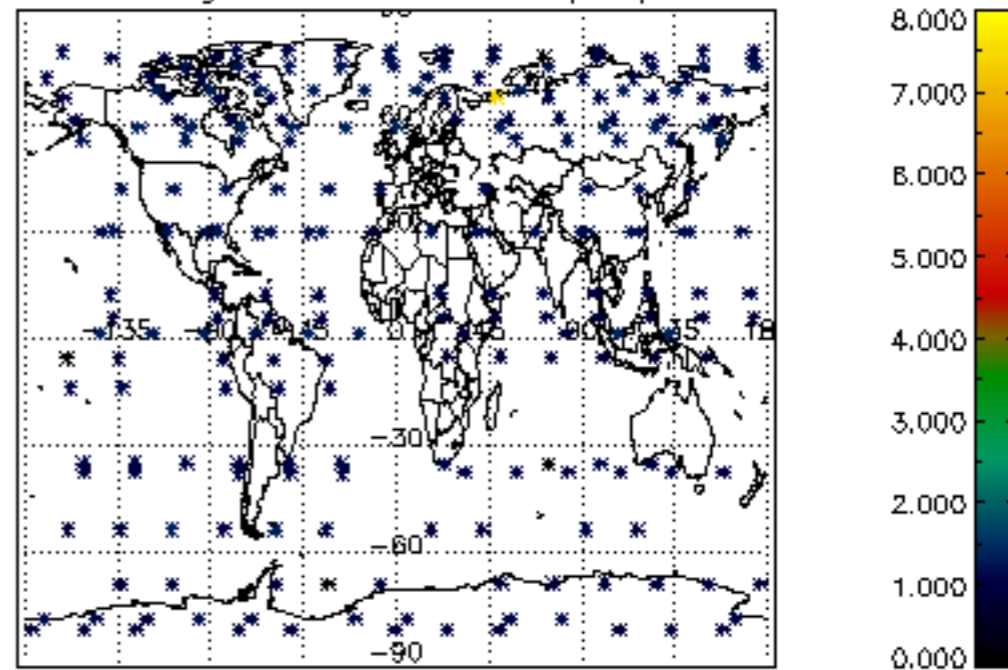




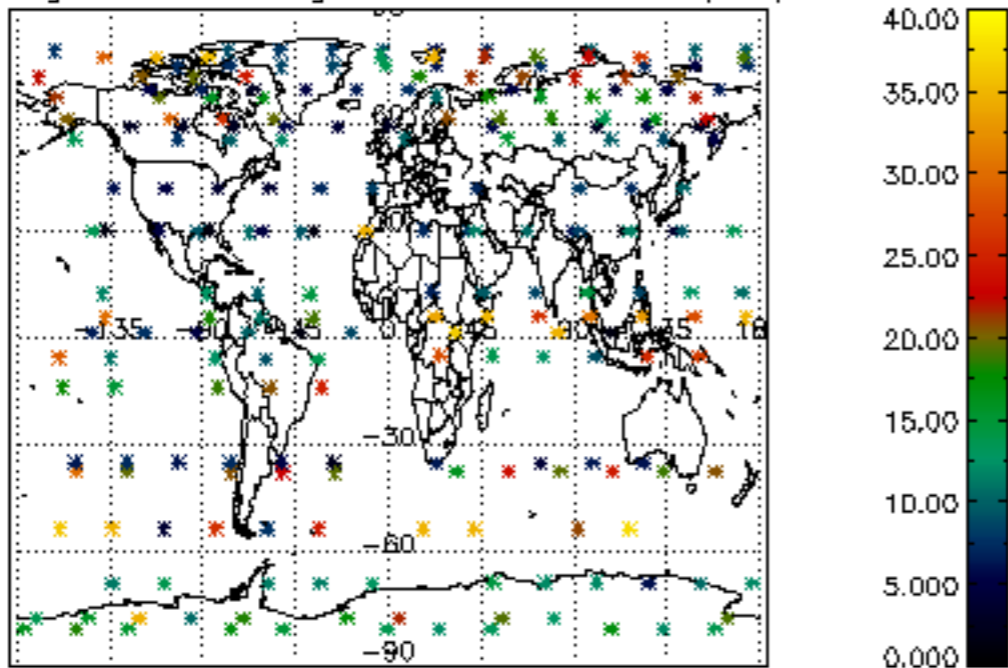
Percentage of cosmic ray hits per profile



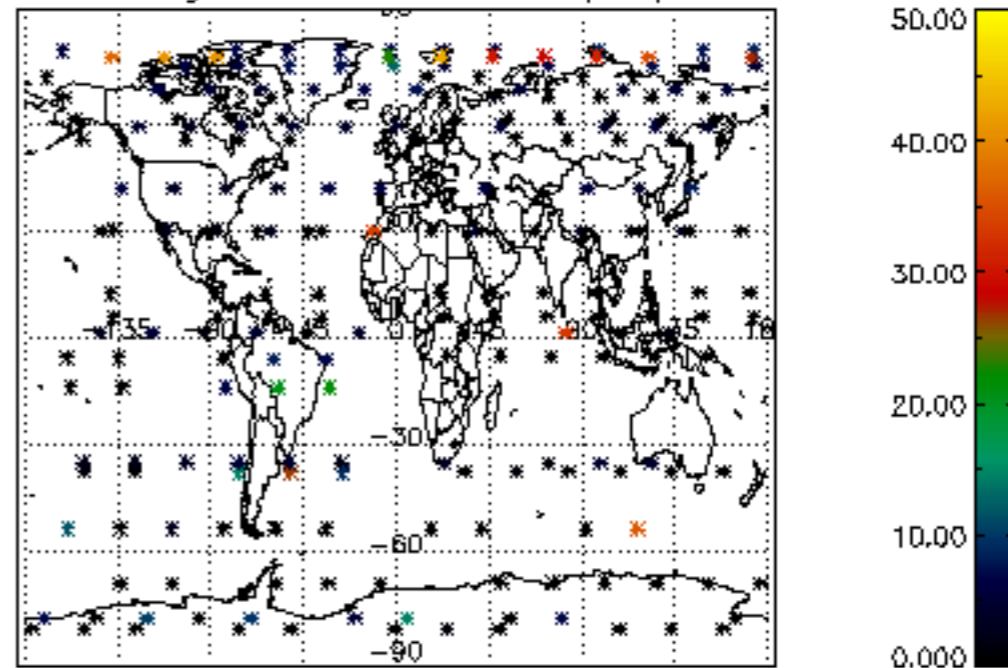
Percentage of datation errors per profile



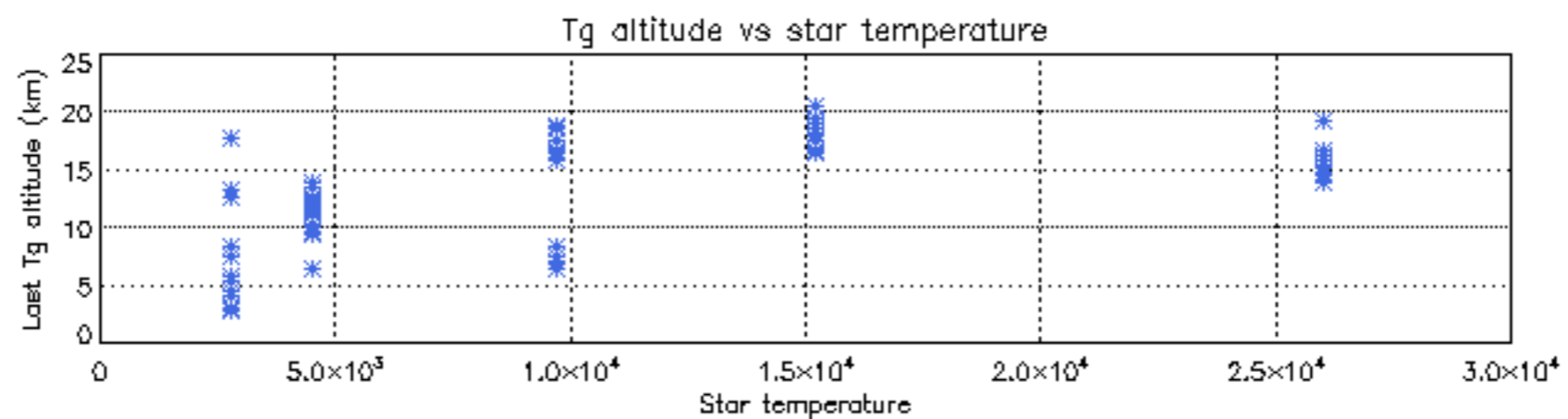
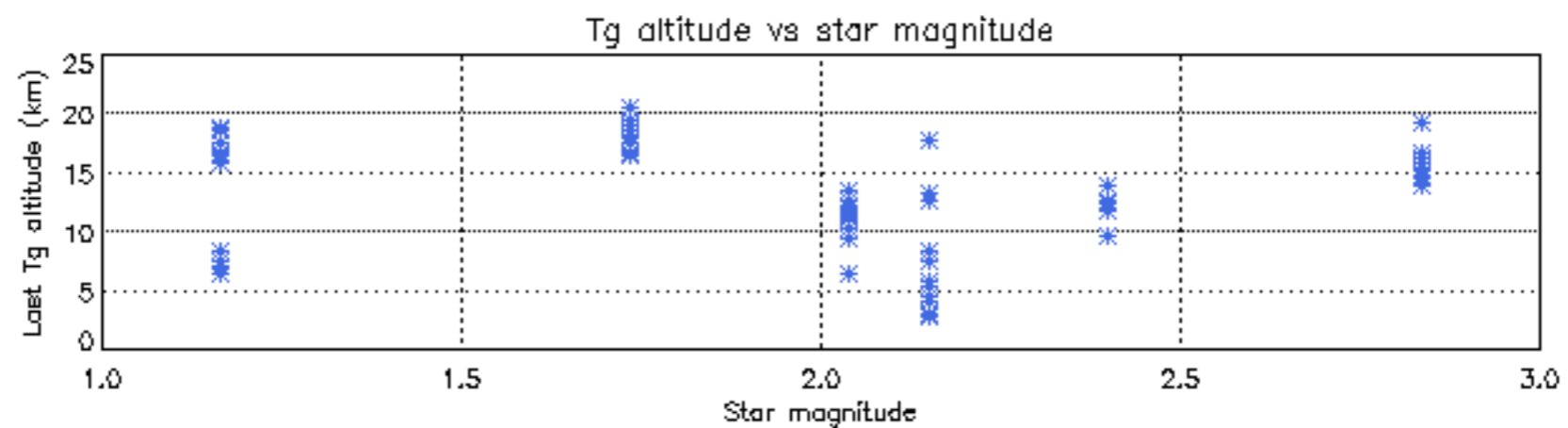
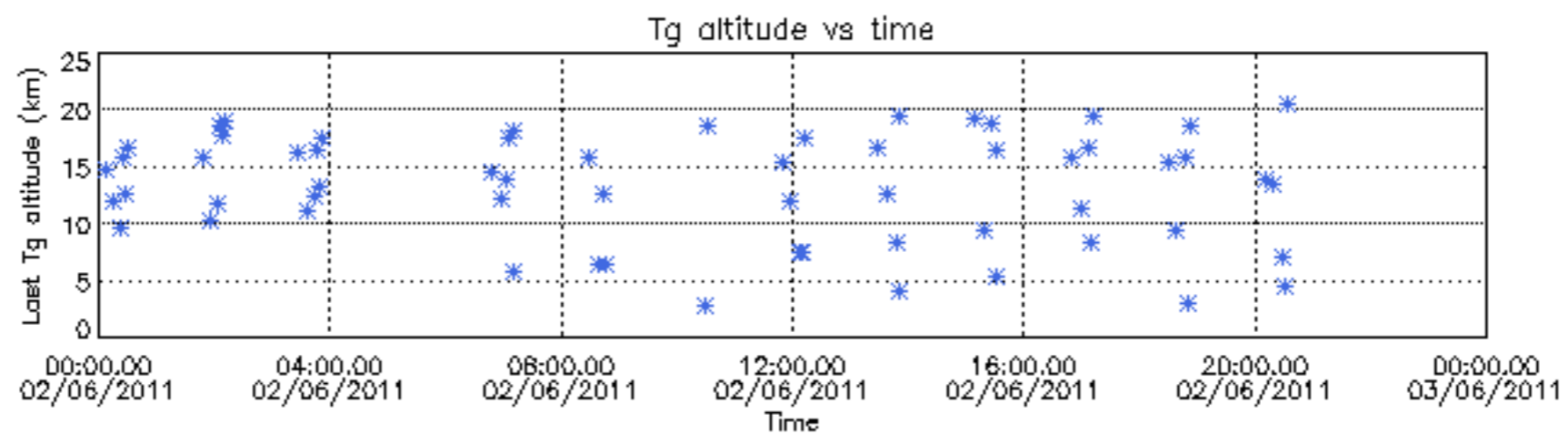
Percentage of star falling outside central band per profile



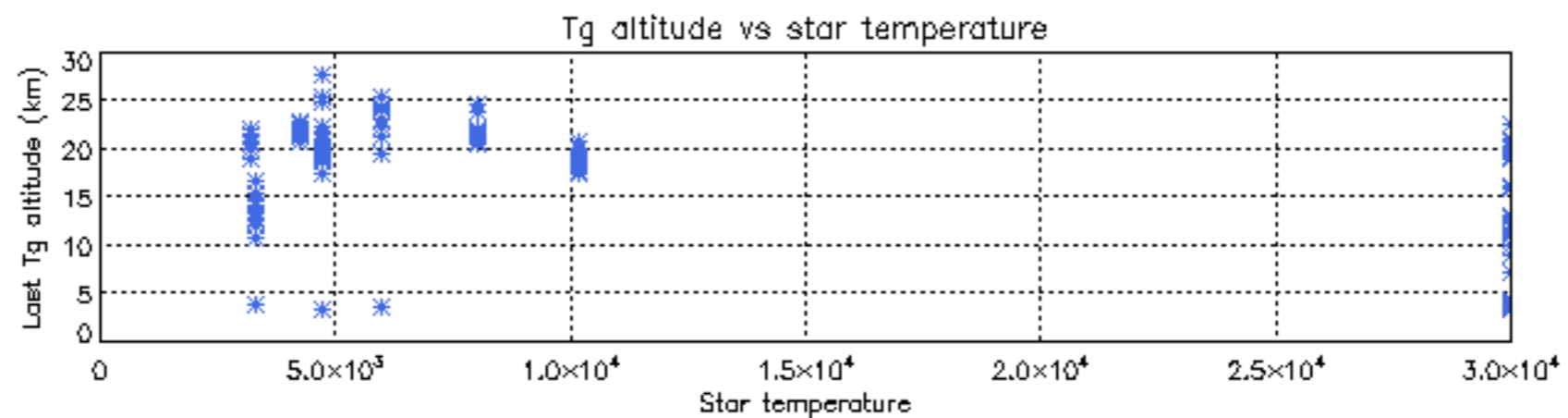
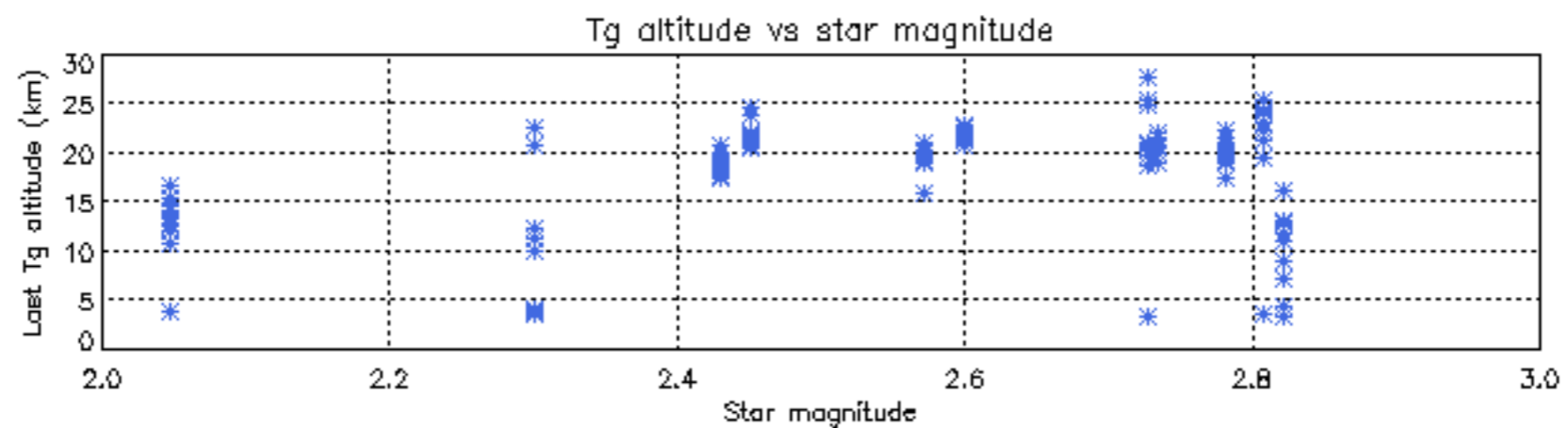
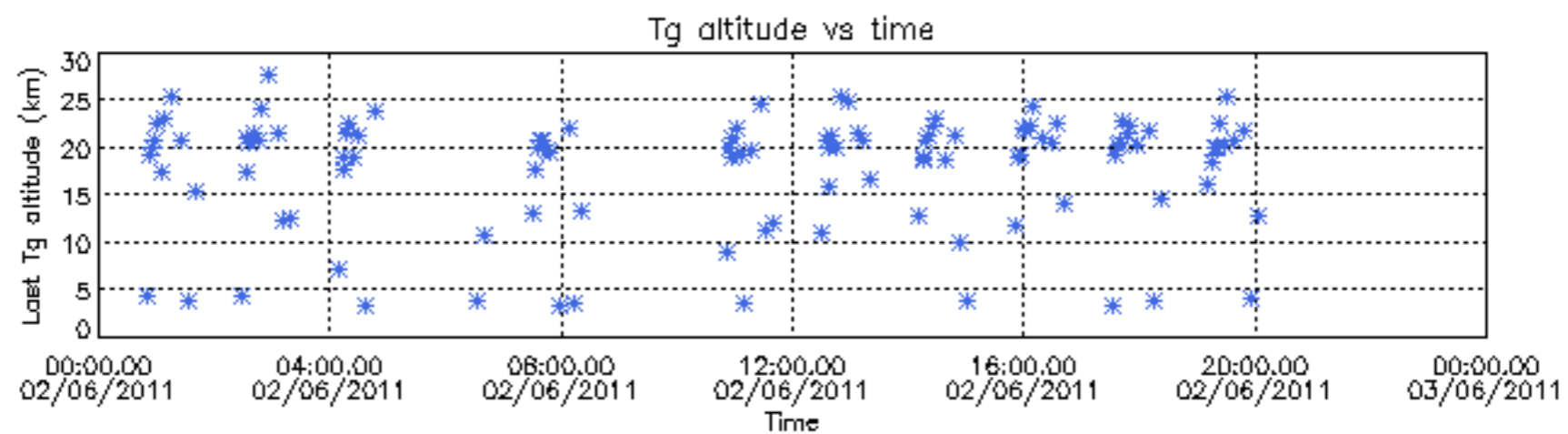
Percentage of saturation errors per profile

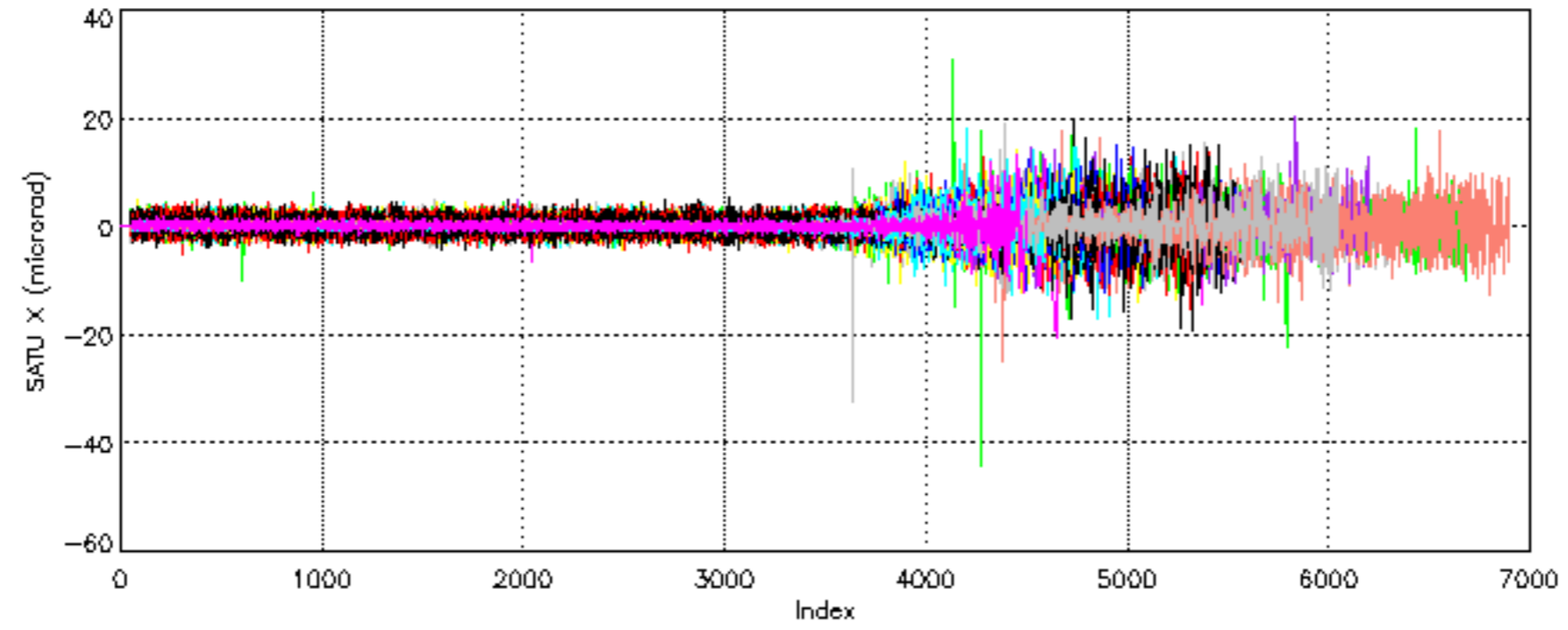


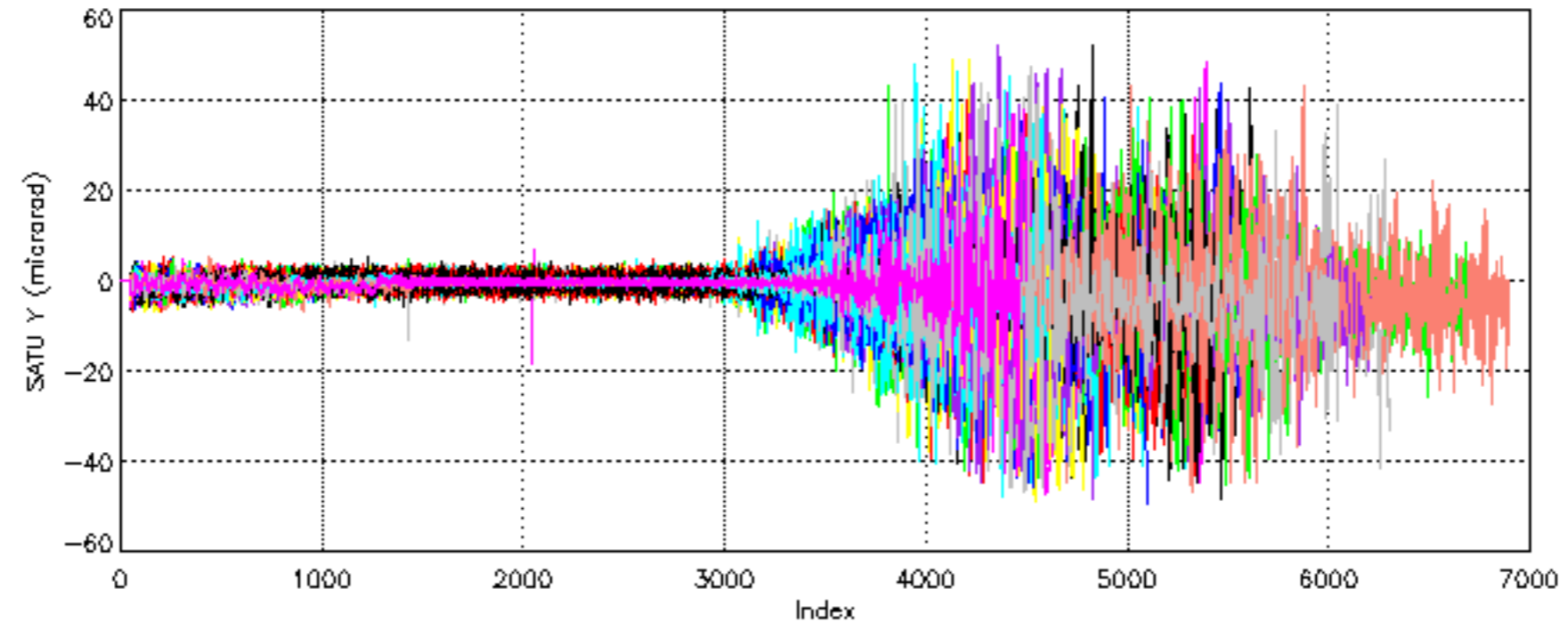
Tangent altitude at which the star is lost

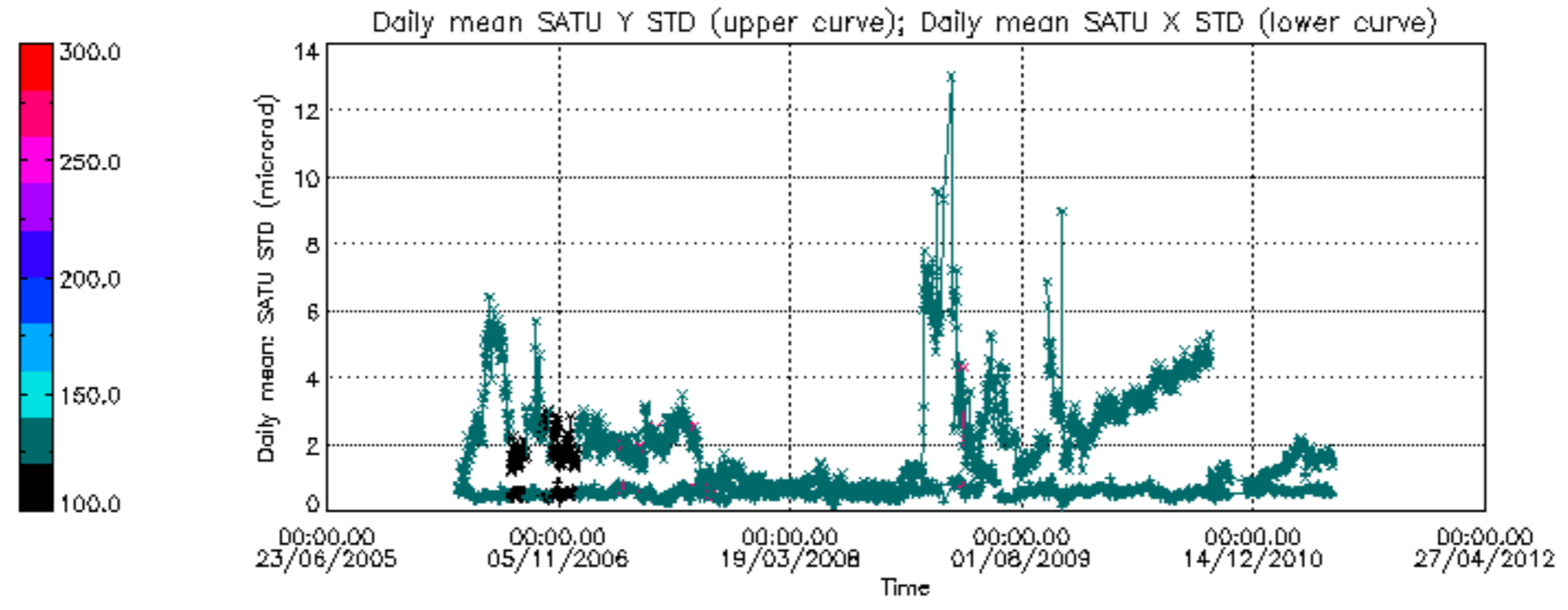


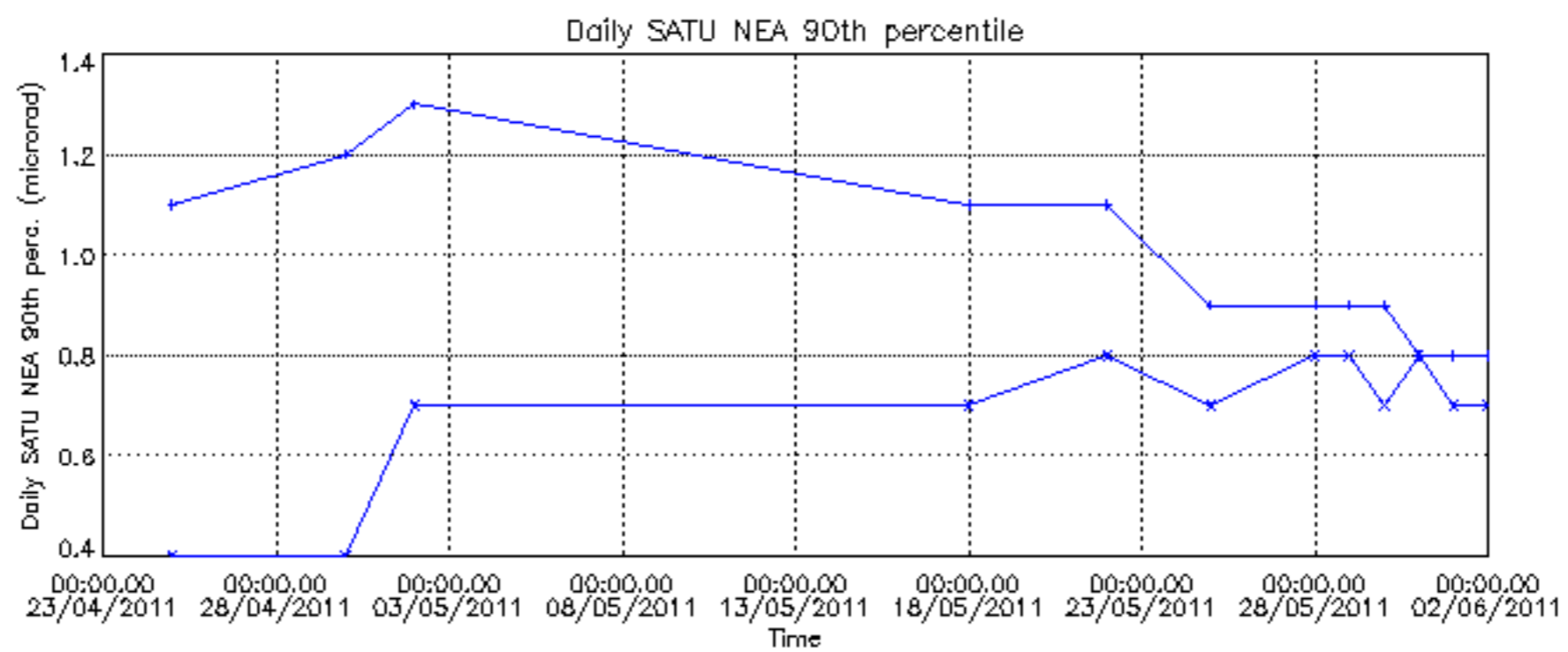
Tangent altitude at which the star is lost











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 3; -241.4; 01-JUN-2011 00:58:36; Dark ; 45.5; 84; Alp Phe ; 2.40; 4500;occ; 91; 0;48378
 4; -115.9; 01-JUN-2011 01:00:42; Dark ; 54.5; 18; 24Alp PsA ; 1.17; 9700;occ; 109; 0;48378
 5; 79.8; 01-JUN-2011 01:03:57; Dark ; 57.5; 63; Bet Gru ; 2.15; 2800;occ; 115; 0;48379
 6; 192.4; 01-JUN-2011 01:05:50; Dark ; 45.0; 31; Alp Gru ; 1.73; 15200;occ; 90; 0;48379
 7; 487.9; 01-JUN-2011 01:10:46; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;48379
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 10; 1138.9; 01-JUN-2011 01:21:37; Dark ; 46.5; 25; 35Lam Sco ; 1.62; 28000;occ; 93; 0;48379
 11; 1243.7; 01-JUN-2011 01:23:21; Dark ; 45.5; 75; 26Eps Sco ; 2.29; 4250;occ; 91; 0;48379
 12; 1365.1; 01-JUN-2011 01:25:23; Dark ; 51.0; 136; 23Tau Sco ; 2.82; 30000;occ; 102; 0;48379
 13; 1488.9; 01-JUN-2011 01:27:27; Bright; 41.0; 80; 7Del Sco ; 2.32; 30000;occ; 82; 0;48379
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 18; 2304.5; 01-JUN-2011 01:41:02; Bright; 44.0; 127; 27Bet Her ; 2.78; 4700;occ; 88; 0;48379
 19; 2508.3; 01-JUN-2011 01:44:26; Bright; 44.0; 133; 40Zet Her ; 2.81; 6000;occ; 88; 0;48379
 20; 2985.2; 01-JUN-2011 01:52:23; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;48379
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 7; 488.6; 01-JUN-2011 02:51:00; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;48380
 8; 931.3; 01-JUN-2011 02:58:23; Dark ; 40.5; 147; Alp Ara ; 2.88; 26000;occ; 81; 0;48380
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 10; 1139.6; 01-JUN-2011 03:01:51; Dark ; 47.0; 25; 35Lam Sco ; 1.62; 28000;occ; 94; 0;48380
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 3; -1640.9; 01-JUN-2011 03:55:45; Bright; 44.0; 53; 43Bet And ; 2.05; 3300;occ; 88; 0;48380
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 8; -240.1; 01-JUN-2011 04:19:06; Dark ; 51.5; 84; Alp Phe ; 2.40; 4500;occ; 103; 0;48380
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 17; 1365.5; 01-JUN-2011 04:45:51; Dark ; 57.0; 136; 23Tau Sco ; 2.82; 30000;occ; 114; 0;48381
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22; 2304.1; 01-JUN-2011 05:01:30; Bright; 41.0; 127; 27Bet Her ; 2.78; 4700;occ; 82; 0;48381
23; 2507.7; 01-JUN-2011 05:04:53; Bright; 43.5; 133; 40Zet Her ; 2.81; 6000;occ; 87; 0;48381
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9; 2945.6; 14-JUN-2011 18:57:38; Bright; 37.0; 119; 14Eta Dra ; 2.73; 4700;occ; 74; 0;48576
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14; 2444.9; 15-JUN-2011 01:30:13; Bright; 39.0; 133; 40Zet Her ; 2.81; 6000;occ; 78; 0;48580
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10; 4638.5; 26-JUN-2011 10:24:47; Dark ; 53.5; 50; 13Alp Ari ; 2.01; 4250;occ; 107; 0;48743
11; 4932.1; 26-JUN-2011 10:29:41; Dark ; 47.0; 94; 92Alp Cet ; 2.53; 3100;occ; 94; 0;48743
12; 5437.7; 26-JUN-2011 10:38:06; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48743
13; 6051.4; 26-JUN-2011 10:48:20; Dark ; 52.0; 84; Alp Phe ; 2.40; 4500;occ; 104; 0;48744
14; 6439.9; 26-JUN-2011 10:54:48; Dark ; 53.5; 63; Bet Gru ; 2.15; 2800;occ; 107; 0;48744
15; 6559.5; 26-JUN-2011 10:56:48; Dark ; 49.5; 31; Alp Gru ; 1.73; 15200;occ; 99; 0;48744
16; 6724.4; 26-JUN-2011 10:59:33; Dark ; 44.0; 45; Alp Pav ; 1.94; 26000;occ; 88; 0;48744
17; 7263.4; 26-JUN-2011 11:08:32; Dark ; 45.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 91; 0;48744
18; 7346.7; 26-JUN-2011 11:09:55; Dark ; 57.0; 116; 19Del Sgr ; 2.70; 4100;occ; 114; 0;48744
19; 7473.1; 26-JUN-2011 11:12:02; Bright; 47.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 94; 0;48744

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 2; 2113.0; 26-JUN-2011 11:22:55; Bright; 38.0; 59; 55Alp Oph ; 2.08; 8900;occ; 76; 0;48744
 3; 2664.5; 26-JUN-2011 11:32:07; Bright; 49.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 99; 0;48744
 4; 2803.2; 26-JUN-2011 11:34:26; Bright; 37.5; 130; 23Bet Dra ; 2.80; 5800;occ; 75; 0;48744
 5; 3790.5; 26-JUN-2011 11:50:53; Bright; 69.0; 74; 11Bet Cas ; 2.27; 6600;occ; 138; 0;48744
 6; 3887.6; 26-JUN-2011 11:52:30; Bright; 47.0; 68; 18Alp Cas ; 2.22; 4500;occ; 94; 0;48744
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 9; 4397.8; 26-JUN-2011 12:01:00; Dark ; 47.5; 173; 4Bet Tri ; 3.00; 8900;occ; 95; 0;48744
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 12; 5438.4; 26-JUN-2011 12:18:21; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48744
 13; 6052.3; 26-JUN-2011 12:28:35; Dark ; 56.5; 84; Alp Phe ; 2.40; 4500;occ; 113; 0;48745
 14; 6441.2; 26-JUN-2011 12:35:04; Dark ; 52.0; 63; Bet Gru ; 2.15; 2800;occ; 104; 0;48745
 15; 6560.4; 26-JUN-2011 12:37:03; Dark ; 49.5; 31; Alp Gru ; 1.73; 15200;occ; 99; 0;48745
 16; 6725.0; 26-JUN-2011 12:39:47; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;48745
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 18; 7346.7; 26-JUN-2011 12:50:09; Dark ; 48.0; 116; 19Del Sgr ; 2.70; 4100;occ; 96; 0;48745
 19; 7473.2; 26-JUN-2011 12:52:16; Bright; 46.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 93; 0;48745

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 2; 2113.0; 26-JUN-2011 13:03:09; Bright; 37.0; 59; 55Alp Oph ; 2.08; 8900;occ; 74; 0;48745
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 9; 4397.7; 26-JUN-2011 13:41:14; Dark ; 48.0; 173; 4Bet Tri ; 3.00; 8900;occ; 96; 0;48745
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 11; 4933.0; 26-JUN-2011 13:50:09; Dark ; 48.0; 94; 92Alp Cet ; 2.53; 3100;occ; 96; 0;48745
 12; 5439.2; 26-JUN-2011 13:58:36; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48745
 13; 6053.4; 26-JUN-2011 14:08:50; Dark ; 58.5; 84; Alp Phe ; 2.40; 4500;occ; 117; 0;48746
 14; 6442.0; 26-JUN-2011 14:15:18; Dark ; 52.0; 63; Bet Gru ; 2.15; 2800;occ; 104; 0;48746
 15; 6561.3; 26-JUN-2011 14:17:18; Dark ; 52.0; 31; Alp Gru ; 1.73; 15200;occ; 104; 0;48746
 16; 6725.6; 26-JUN-2011 14:20:02; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;48746
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 18; 7346.9; 26-JUN-2011 14:30:23; Dark ; 49.0; 116; 19Del Sgr ; 2.70; 4100;occ; 98; 0;48746
 19; 7473.5; 26-JUN-2011 14:32:30; Bright; 47.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 95; 0;48746

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 3; 2663.5; 26-JUN-2011 14:52:34; Bright; 42.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 84; 0;48746
 4; 2802.6; 26-JUN-2011 14:54:53; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;48746
 5; 3790.2; 26-JUN-2011 15:11:21; Bright; 46.0; 74; 11Bet Cas ; 2.27; 6600;occ; 92; 0;48746
 6; 3887.2; 26-JUN-2011 15:12:58; Bright; 48.5; 68; 18Alp Cas ; 2.22; 4500;occ; 97; 0;48746
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 9; 4398.1; 26-JUN-2011 15:21:28; Dark ; 46.0; 173; 4Bet Tri ; 3.00; 8900;occ; 92; 0;48746
 10; 4639.5; 26-JUN-2011 15:25:30; Dark ; 54.0; 50; 13Alp Ari ; 2.01; 4250;occ; 108; 0;48746
 11; 4933.5; 26-JUN-2011 15:30:24; Dark ; 47.5; 94; 92Alp Cet ; 2.53; 3100;occ; 95; 0;48746
 12; 5440.0; 26-JUN-2011 15:38:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48746
 13; 6054.2; 26-JUN-2011 15:49:05; Dark ; 49.0; 84; Alp Phe ; 2.40; 4500;occ; 98; 0;48747
 14; 6443.2; 26-JUN-2011 15:55:33; Dark ; 56.0; 63; Bet Gru ; 2.15; 2800;occ; 112; 0;48747
 15; 6562.5; 26-JUN-2011 15:57:33; Dark ; 48.5; 31; Alp Gru ; 1.73; 15200;occ; 97; 0;48747
 16; 6725.9; 26-JUN-2011 16:00:16; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;48747
 17; 7264.5; 26-JUN-2011 16:09:15; Dark ; 46.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 92; 0;48747

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 3; 1459.6; 26-JUN-2011 16:12:44; Bright; 48.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 96; 0;48747
 4; 1971.7; 26-JUN-2011 16:21:16; Bright; 38.0; 126; 60Bet Oph ; 2.77; 4250;occ; 76; 0;48747
 5; 2112.7; 26-JUN-2011 16:23:37; Bright; 39.5; 59; 55Alp Oph ; 2.08; 8900;occ; 79; 0;48747
 6; 2662.8; 26-JUN-2011 16:32:47; Bright; 46.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 93; 0;48747
 7; 2802.6; 26-JUN-2011 16:35:07; Bright; 40.0; 130; 23Bet Dra ; 2.80; 5800;occ; 80; 0;48747
 8; 3789.4; 26-JUN-2011 16:51:34; Bright; 46.5; 74; 11Bet Cas ; 2.27; 6600;occ; 93; 0;48747
 9; 3886.5; 26-JUN-2011 16:53:11; Bright; 47.0; 68; 18Alp Cas ; 2.22; 4500;occ; 94; 0;48747

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 11; 4246.9; 26-JUN-2011 16:59:11; Bright; 54.5; 73; 57Gam1And ; 2.26; 13100;occ; 109; 0;48747
 12; 4398.1; 26-JUN-2011 17:01:42; Dark ; 46.5; 173; 4Bet Tri ; 3.00; 8900;occ; 93; 0;48747
 13; 4639.8; 26-JUN-2011 17:05:44; Dark ; 54.0; 50; 13Alp Ari ; 2.01; 4250;occ; 108; 0;48747
 14; 4933.7; 26-JUN-2011 17:10:38; Dark ; 48.0; 94; 92Alp Cet ; 2.53; 3100;occ; 96; 0;48747
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 17; 6444.2; 26-JUN-2011 17:35:49; Dark ; 53.5; 63; Bet Gru ; 2.15; 2800;occ; 107; 0;48748
 18; 6563.2; 26-JUN-2011 17:37:48; Dark ; 50.5; 31; Alp Gru ; 1.73; 15200;occ; 101; 0;48748
 19; 6726.6; 26-JUN-2011 17:40:31; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;48748

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 3; 1459.9; 26-JUN-2011 17:52:58; Bright; 47.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 94; 0;48748
 4; 1971.6; 26-JUN-2011 18:01:30; Bright; 39.0; 126; 60Bet Oph ; 2.77; 4250;occ; 78; 0;48748
 5; 2112.5; 26-JUN-2011 18:03:51; Bright; 39.0; 59; 55Alp Oph ; 2.08; 8900;occ; 78; 0;48748
 6; 2662.2; 26-JUN-2011 18:13:01; Bright; 43.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 86; 0;48748
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 12; 4398.2; 26-JUN-2011 18:41:57; Dark ; 47.5; 173; 4Bet Tri ; 3.00; 8900;occ; 95; 0;48748
 13; 4639.9; 26-JUN-2011 18:45:58; Dark ; 53.0; 50; 13Alp Ari ; 2.01; 4250;occ; 106; 0;48748
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 3; 1459.9; 26-JUN-2011 19:33:12; Bright; 48.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 96; 0;48749
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 5; 2112.4; 26-JUN-2011 19:44:05; Bright; 38.5; 59; 55Alp Oph ; 2.08; 8900;occ; 77; 0;48749
 6; 2661.6; 26-JUN-2011 19:53:14; Bright; 42.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 85; 0;48749
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 14; 4934.4; 26-JUN-2011 20:31:07; Dark ; 43.5; 94; 92Alp Cet ; 2.53; 3100;occ; 87; 0;48749
 15; 5442.3; 26-JUN-2011 20:39:35; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48749
 16; 6057.3; 26-JUN-2011 20:49:50; Dark ; 50.0; 84; Alp Phe ; 2.40; 4500;occ; 100; 0;48750
 17; 6445.8; 26-JUN-2011 20:56:18; Dark ; 53.0; 63; Bet Gru ; 2.15; 2800;occ; 106; 0;48750
 18; 6565.0; 26-JUN-2011 20:58:17; Dark ; 49.5; 31; Alp Gru ; 1.73; 15200;occ; 99; 0;48750
 19; 6727.4; 26-JUN-2011 21:01:00; Dark ; 40.0; 45; Alp Pav ; 1.94; 26000;occ; 80; 0;48750

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 3; 433.8; 27-JUN-2011 00:16:48; Dark ; 53.0; 63; Bet Gru ; 2.15; 2800;occ; 106; 0;48752
 4; 552.8; 27-JUN-2011 00:18:47; Dark ; 50.5; 31; Alp Gru ; 1.73; 15200;occ; 101; 0;48752
 5; 714.4; 27-JUN-2011 00:21:29; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;48752
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 12; 2801.3; 27-JUN-2011 00:56:16; Bright; 37.5; 130; 23Bet Dra ; 2.80; 5800;occ; 75; 0;48752
 13; 3355.6; 27-JUN-2011 01:05:30; Bright; 47.0; 89; 5Alp Cep ; 2.45; 8000;occ; 94; 0;48752
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 15; 3884.5; 27-JUN-2011 01:14:19; Bright; 48.0; 68; 18Alp Cas ; 2.22; 4500;occ; 96; 0;48752
 16; 4043.6; 27-JUN-2011 01:16:58; Bright; 35.5; 160; 23Gam Per ; 2.93; 4700;occ; 71; 0;48752
 17; 4246.6; 27-JUN-2011 01:20:21; Bright; 48.5; 73; 57Gam1And ; 2.26; 13100;occ; 97; 0;48752


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19; 4641.2; 27-JUN-2011 01:26:56; Dark ; 56.5; 50; 13Alp Ari ; 2.01; 4250;occ; 113; 0;48752
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3; 434.7; 27-JUN-2011 01:57:03; Dark ; 63.5; 63; Bet Gru ; 2.15; 2800;occ; 127; 0;48753
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6; 1252.0; 27-JUN-2011 02:10:40; Dark ; 44.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 89; 0;48753
7; 1334.7; 27-JUN-2011 02:12:03; Dark ; 48.0; 116; 19Del Sgr ; 2.70; 4100;occ; 96; 0;48753
8; 1460.9; 27-JUN-2011 02:14:09; Bright; 46.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 93; 0;48753
9; 1971.2; 27-JUN-2011 02:22:39; Bright; 38.0; 126; 60Bet Oph ; 2.77; 4250;occ; 76; 0;48753
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11; 2659.3; 27-JUN-2011 02:34:08; Bright; 48.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 96; 0;48753
12; 2801.4; 27-JUN-2011 02:36:30; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;48753
13; 3355.1; 27-JUN-2011 02:45:43; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;48753
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2;-2129.9; 27-JUN-2011 02:54:32; Bright; 48.0; 68; 18Alp Cas ; 2.22; 4500;occ; 96; 0;48753
3;-1970.4; 27-JUN-2011 02:57:12; Bright; 39.5; 160; 23Gam Per ; 2.93; 4700;occ; 79; 0;48753
4;-1767.4; 27-JUN-2011 03:00:35; Bright; 48.0; 73; 57Gam1And ; 2.26; 13100;occ; 96; 0;48753
5;-1615.5; 27-JUN-2011 03:03:07; Dark ; 48.0; 173; 4Bet Tri ; 3.00; 8900;occ; 96; 0;48753
6;-1372.6; 27-JUN-2011 03:07:10; Dark ; 54.5; 50; 13Alp Ari ; 2.01; 4250;occ; 109; 0;48753
7;-1078.2; 27-JUN-2011 03:12:04; Dark ; 40.0; 94; 92Alp Cet ; 2.53; 3100;occ; 80; 0;48753
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9; 47.1; 27-JUN-2011 03:30:49; Dark ; 48.5; 84; Alp Phe ; 2.40; 4500;occ; 97; 0;48754
10; 435.9; 27-JUN-2011 03:37:18; Dark ; 51.0; 63; Bet Gru ; 2.15; 2800;occ; 102; 0;48754
11; 554.9; 27-JUN-2011 03:39:17; Dark ; 55.0; 31; Alp Gru ; 1.73; 15200;occ; 110; 0;48754
12; 715.5; 27-JUN-2011 03:41:58; Dark ; 43.5; 45; Alp Pav ; 1.94; 26000;occ; 87; 0;48754
13; 1252.4; 27-JUN-2011 03:50:55; Dark ; 44.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 89; 0;48754
14; 1335.1; 27-JUN-2011 03:52:17; Dark ; 43.0; 116; 19Del Sgr ; 2.70; 4100;occ; 86; 0;48754
15; 1461.0; 27-JUN-2011 03:54:23; Bright; 47.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 94; 0;48754
16; 1971.1; 27-JUN-2011 04:02:53; Bright; 38.0; 126; 60Bet Oph ; 2.77; 4250;occ; 76; 0;48754
17; 2111.9; 27-JUN-2011 04:05:14; Bright; 39.5; 59; 55Alp Oph ; 2.08; 8900;occ; 79; 0;48754
18; 2659.1; 27-JUN-2011 04:14:21; Bright; 46.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 92; 0;48754
19; 2801.1; 27-JUN-2011 04:16:43; Bright; 35.0; 130; 23Bet Dra ; 2.80; 5800;occ; 70; 0;48754
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2;-2130.2; 27-JUN-2011 04:34:46; Bright; 47.0; 68; 18Alp Cas ; 2.22; 4500;occ; 94; 0;48754
3;-1970.3; 27-JUN-2011 04:37:26; Bright; 55.0; 160; 23Gam Per ; 2.93; 4700;occ; 110; 0;48754
4;-1767.5; 27-JUN-2011 04:40:49; Bright; 47.5; 73; 57Gam1And ; 2.26; 13100;occ; 95; 0;48754
5;-1615.5; 27-JUN-2011 04:43:21; Dark ; 49.0; 173; 4Bet Tri ; 3.00; 8900;occ; 98; 0;48754
6;-1372.2; 27-JUN-2011 04:47:24; Dark ; 56.0; 50; 13Alp Ari ; 2.01; 4250;occ; 112; 0;48754
7;-1077.7; 27-JUN-2011 04:52:19; Dark ; 38.5; 94; 92Alp Cet ; 2.53; 3100;occ; 77; 0;48754
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9; 48.1; 27-JUN-2011 05:11:04; Dark ; 46.5; 84; Alp Phe ; 2.40; 4500;occ; 93; 0;48755
10; 437.0; 27-JUN-2011 05:17:33; Dark ; 54.5; 63; Bet Gru ; 2.15; 2800;occ; 109; 0;48755
11; 555.7; 27-JUN-2011 05:19:32; Dark ; 49.0; 31; Alp Gru ; 1.73; 15200;occ; 98; 0;48755
12; 716.2; 27-JUN-2011 05:22:13; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;48755
13; 1252.6; 27-JUN-2011 05:31:09; Dark ; 45.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 90; 0;48755
14; 1335.2; 27-JUN-2011 05:32:31; Dark ; 57.0; 116; 19Del Sgr ; 2.70; 4100;occ; 114; 0;48755
15; 1461.3; 27-JUN-2011 05:34:38; Bright; 47.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 94; 0;48755
16; 1971.1; 27-JUN-2011 05:43:07; Bright; 38.5; 126; 60Bet Oph ; 2.77; 4250;occ; 77; 0;48755
17; 2111.8; 27-JUN-2011 05:45:28; Bright; 37.5; 59; 55Alp Oph ; 2.08; 8900;occ; 75; 0;48755
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19; 2801.0; 27-JUN-2011 05:56:57; Bright; 38.0; 130; 23Bet Dra ; 2.80; 5800;occ; 76; 0;48755
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3; 1463.2; 27-JUN-2011 20:36:45; Bright; 46.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 93; 0;48764
4; 1970.9; 27-JUN-2011 20:45:13; Bright; 37.5; 126; 60Bet Oph ; 2.77; 4250;occ; 75; 0;48764
5; 2111.1; 27-JUN-2011 20:47:33; Bright; 39.0; 59; 55Alp Oph ; 2.08; 8900;occ; 78; 0;48764
6; 2653.6; 27-JUN-2011 20:56:36; Bright; 44.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 88; 0;48764
7; 2799.2; 27-JUN-2011 20:59:01; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;48764
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11; 4043.3; 27-JUN-2011 21:19:46; Bright; 36.0; 160; 23Gam Per ; 2.93; 4700;occ; 72; 0;48764
12; 4246.0; 27-JUN-2011 21:23:08; Bright; 46.5; 73; 57Gam1And ; 2.26; 13100;occ; 93; 0;48764
13; 4399.3; 27-JUN-2011 21:25:42; Dark ; 46.5; 173; 4Bet Tri ; 3.00; 8900;occ; 93; 0;48764
14; 4644.8; 27-JUN-2011 21:29:47; Dark ; 55.5; 50; 13Alp Ari ; 2.01; 4250;occ; 111; 0;48764
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3; 446.6; 27-JUN-2011 22:00:03; Dark ; 51.5; 63; Bet Gru ; 2.15; 2800;occ; 103; 0;48765
4; 564.6; 27-JUN-2011 22:02:01; Dark ; 49.5; 31; Alp Gru ; 1.73; 15200;occ; 99; 0;48765
5; 721.1; 27-JUN-2011 22:04:37; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;48765
6; 1255.4; 27-JUN-2011 22:13:32; Dark ; 41.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 82; 0;48765
7; 1337.7; 27-JUN-2011 22:14:54; Dark ; 45.5; 116; 19Del Sgr ; 2.70; 4100;occ; 91; 0;48765
8; 1463.3; 27-JUN-2011 22:16:59; Bright; 47.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 94; 0;48765
9; 1970.6; 27-JUN-2011 22:25:27; Bright; 38.0; 126; 60Bet Oph ; 2.77; 4250;occ; 76; 0;48765
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12; 2799.0; 27-JUN-2011 22:39:15; Bright; 35.5; 130; 23Bet Dra ; 2.80; 5800;occ; 71; 0;48765
13; 3347.2; 27-JUN-2011 22:48:23; Bright; 42.5; 89; 5Alp Cep ; 2.45; 8000;occ; 85; 0;48765
14; 3780.7; 27-JUN-2011 22:55:37; Bright; 69.0; 74; 11Bet Cas ; 2.27; 6600;occ; 138; 0;48765
15; 3879.2; 27-JUN-2011 22:57:15; Bright; 47.0; 68; 18Alp Cas ; 2.22; 4500;occ; 94; 0;48765
16; 4043.3; 27-JUN-2011 23:00:00; Bright; 55.0; 160; 23Gam Per ; 2.93; 4700;occ; 110; 0;48765
17; 4246.0; 27-JUN-2011 23:03:22; Bright; 45.0; 73; 57Gam1And ; 2.26; 13100;occ; 90; 0;48765
18; 4399.2; 27-JUN-2011 23:05:55; Dark ; 48.5; 173; 4Bet Tri ; 3.00; 8900;occ; 97; 0;48765
19; 4645.0; 27-JUN-2011 23:10:01; Dark ; 54.0; 50; 13Alp Ari ; 2.01; 4250;occ; 108; 0;48765
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3; 447.6; 27-JUN-2011 23:40:18; Dark ; 52.0; 63; Bet Gru ; 2.15; 2800;occ; 104; 0;48766
4; 565.6; 27-JUN-2011 23:42:16; Dark ; 48.5; 31; Alp Gru ; 1.73; 15200;occ; 97; 0;48766
5; 721.7; 27-JUN-2011 23:44:52; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;48766
6; 1255.6; 27-JUN-2011 23:53:46; Dark ; 46.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 93; 0;48766
7; 1338.0; 27-JUN-2011 23:55:08; Dark ; 41.0; 116; 19Del Sgr ; 2.70; 4100;occ; 82; 0;48766
8; 1463.5; 27-JUN-2011 23:57:14; Bright; 46.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 93; 0;48766
9; 1970.6; 28-JUN-2011 00:05:41; Bright; 37.5; 126; 60Bet Oph ; 2.77; 4250;occ; 75; 0;48766
10; 2110.7; 28-JUN-2011 00:08:01; Bright; 38.5; 59; 55Alp Oph ; 2.08; 8900;occ; 77; 0;48766
11; 2652.3; 28-JUN-2011 00:17:02; Bright; 45.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 91; 0;48766
12; 2798.8; 28-JUN-2011 00:19:29; Bright; 53.0; 130; 23Bet Dra ; 2.80; 5800;occ; 106; 0;48766
13; 3346.5; 28-JUN-2011 00:28:37; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;48766
14; 3780.1; 28-JUN-2011 00:35:50; Bright; 69.0; 74; 11Bet Cas ; 2.27; 6600;occ; 138; 0;48766
15; 3878.8; 28-JUN-2011 00:37:29; Bright; 48.0; 68; 18Alp Cas ; 2.22; 4500;occ; 96; 0;48766
16; 4043.4; 28-JUN-2011 00:40:14; Bright; 36.0; 160; 23Gam Per ; 2.93; 4700;occ; 72; 0;48766
17; 4245.9; 28-JUN-2011 00:43:36; Bright; 48.0; 73; 57Gam1And ; 2.26; 13100;occ; 96; 0;48766
18; 4399.4; 28-JUN-2011 00:46:10; Dark ; 47.5; 173; 4Bet Tri ; 3.00; 8900;occ; 95; 0;48766
19; 4645.3; 28-JUN-2011 00:50:15; Dark ; 54.5; 50; 13Alp Ari ; 2.01; 4250;occ; 109; 0;48766
20; 4940.7; 28-JUN-2011 00:55:11; Dark ; 38.0; 94; 92Alp Cet ; 2.53; 3100;occ; 76; 0;48766
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3; -1970.3; 27-JUN-2011 06:17:40; Bright; 49.5; 160; 23Gam Per ; 2.93; 4700;occ; 99; 0;48755
4; -1767.6; 27-JUN-2011 06:21:03; Bright; 48.0; 73; 57Gam1And ; 2.26; 13100;occ; 96; 0;48755
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9; 49.2; 27-JUN-2011 06:51:20; Dark ; 46.5; 84; Alp Phe ; 2.40; 4500;occ; 93; 0;48756
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11; 556.8; 27-JUN-2011 06:59:47; Dark ; 49.5; 31; Alp Gru ; 1.73; 15200;occ; 99; 0;48756
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14; 1335.5; 27-JUN-2011 07:12:46; Dark ; 46.5; 116; 19Del Sgr ; 2.70; 4100;occ; 93; 0;48756
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 6; 3785.1; 27-JUN-2011 07:53:35; Bright; 48.0; 74; 11Bet Cas ; 2.27; 6600;occ; 96; 0;48756
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 9; 4246.5; 27-JUN-2011 08:01:17; Bright; 45.0; 73; 57Gam1And ; 2.26; 13100;occ; 90; 0;48756
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 19; 7349.7; 27-JUN-2011 08:53:00; Dark ; 41.0; 116; 19Del Sgr ; 2.70; 4100;occ; 82; 0;48757
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 4; 2800.9; 27-JUN-2011 09:17:25; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;48757
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 6; 3784.6; 27-JUN-2011 09:33:49; Bright; 48.0; 74; 11Bet Cas ; 2.27; 6600;occ; 96; 0;48757
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 11; 4642.7; 27-JUN-2011 09:48:07; Dark ; 56.5; 50; 13Alp Ari ; 2.01; 4250;occ; 113; 0;48757
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 9; 4246.4; 27-JUN-2011 11:21:45; Bright; 48.0; 73; 57Gam1And ; 2.26; 13100;occ; 96; 0;48758
 10; 4398.7; 27-JUN-2011 11:24:17; Dark ; 47.5; 173; 4Bet Tri ; 3.00; 8900;occ; 95; 0;48758
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 16; 6573.4; 27-JUN-2011 12:00:32; Dark ; 55.0; 31; Alp Gru ; 1.73; 15200;occ; 110; 0;48759
 17; 6732.3; 27-JUN-2011 12:03:11; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;48759
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 19; 7350.3; 27-JUN-2011 12:13:29; Dark ; 44.0; 116; 19Del Sgr ; 2.70; 4100;occ; 88; 0;48759
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11; 4643.2; 27-JUN-2011 13:08:35; Dark ; 58.5; 50; 13Alp Ari ; 2.01; 4250;occ; 117; 0;48759
12; 4938.2; 27-JUN-2011 13:13:30; Dark ; 47.0; 94; 92Alp Cet ; 2.53; 3100;occ; 94; 0;48759
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19; 7350.4; 27-JUN-2011 13:53:43; Dark ; 47.0; 116; 19Del Sgr ; 2.70; 4100;occ; 94; 0;48760
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4; 2800.2; 27-JUN-2011 14:18:06; Bright; 36.5; 130; 23Bet Dra ; 2.80; 5800;occ; 73; 0;48760
5; 3350.6; 27-JUN-2011 14:27:17; Bright; 47.5; 89; 5Alp Cep ; 2.45; 8000;occ; 95; 0;48760
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13; 5451.0; 27-JUN-2011 15:02:17; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48760
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16; 6575.4; 27-JUN-2011 15:21:02; Dark ; 47.5; 31; Alp Gru ; 1.73; 15200;occ; 95; 0;48761
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12; 4643.8; 27-JUN-2011 16:29:04; Dark ; 54.0; 50; 13Alp Ari ; 2.01; 4250;occ; 108; 0;48761
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17; 6576.2; 27-JUN-2011 17:01:16; Dark ; 50.0; 31; Alp Gru ; 1.73; 15200;occ; 100; 0;48762
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6; 2654.6; 27-JUN-2011 17:36:09; Bright; 47.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 94; 0;48762
7; 2799.7; 27-JUN-2011 17:38:34; Bright; 39.5; 130; 23Bet Dra ; 2.80; 5800;occ; 79; 0;48762
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14; 4644.2; 27-JUN-2011 18:09:18; Dark ; 60.0; 50; 13Alp Ari ; 2.01; 4250;occ; 120; 0;48762
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 8; 3348.4; 27-JUN-2011 19:27:57; Bright; 44.5; 89; 5Alp Cep ; 2.45; 8000;occ; 89; 0;48763
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13; 4399.3; 27-JUN-2011 19:45:28; Dark ; 48.0; 173; 4Bet Tri ; 3.00; 8900;occ; 96; 0;48763
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19; 6577.8; 27-JUN-2011 20:21:46; Dark ; 50.0; 31; Alp Gru ; 1.73; 15200;occ; 100; 0;48764
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29; 8124.7; 28-JUN-2011 03:28:29; Bright; 38.5; 59; 55Alp Oph ; 2.08; 8900;occ; 77; 0;48768
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2; 2110.6; 28-JUN-2011 13:29:53; Bright; 36.5; 59; 55Alp Oph ; 2.08; 8900;occ; 73; 0;48774
3; 2648.2; 28-JUN-2011 13:38:50; Bright; 48.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 96; 0;48774
4; 2797.4; 28-JUN-2011 13:41:19; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;48774
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6; 3776.0; 28-JUN-2011 13:57:38; Bright; 48.0; 74; 11Bet Cas ; 2.27; 6600;occ; 96; 0;48774
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8; 4043.2; 28-JUN-2011 14:02:05; Bright; 37.5; 160; 23Gam Per ; 2.93; 4700;occ; 75; 0;48774
9; 4245.7; 28-JUN-2011 14:05:28; Bright; 48.0; 73; 57Gam1And ; 2.26; 13100;occ; 96; 0;48774
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12; 4943.8; 28-JUN-2011 14:17:06; Dark ; 48.5; 94; 92Alp Cet ; 2.53; 3100;occ; 97; 0;48774
13; 5462.4; 28-JUN-2011 14:25:44; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48774
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15; 6470.3; 28-JUN-2011 14:42:32; Dark ; 51.5; 63; Bet Gru ; 2.15; 2800;occ; 103; 0;48775
16; 6587.8; 28-JUN-2011 14:44:30; Dark ; 49.0; 31; Alp Gru ; 1.73; 15200;occ; 98; 0;48775
17; 6740.3; 28-JUN-2011 14:47:02; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;48775
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4; 2110.2; 28-JUN-2011 15:10:06; Bright; 40.5; 59; 55Alp Oph ; 2.08; 8900;occ; 81; 0;48775
5; 2647.9; 28-JUN-2011 15:19:04; Bright; 48.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 97; 0;48775
6; 2797.3; 28-JUN-2011 15:21:33; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;48775
7; 3340.4; 28-JUN-2011 15:30:36; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;48775
8; 3775.8; 28-JUN-2011 15:37:52; Bright; 47.5; 74; 11Bet Cas ; 2.27; 6600;occ; 95; 0;48775
9; 3875.4; 28-JUN-2011 15:39:31; Bright; 48.5; 68; 18Alp Cas ; 2.22; 4500;occ; 97; 0;48775

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 11; 4245.6; 28-JUN-2011 15:45:42; Bright; 47.5; 73; 57Gam1And ; 2.26; 13100;occ; 95; 0;48775
 12; 4400.1; 28-JUN-2011 15:48:16; Dark ; 49.0; 173; 4Bet Tri ; 3.00; 8900;occ; 98; 0;48775
 13; 4648.2; 28-JUN-2011 15:52:24; Dark ; 54.5; 50; 13Alp Ari ; 2.01; 4250;occ; 109; 0;48775
 14; 4944.6; 28-JUN-2011 15:57:20; Dark ; 49.0; 94; 92Alp Cet ; 2.53; 3100;occ; 98; 0;48775
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 17; 6471.5; 28-JUN-2011 16:22:47; Dark ; 51.0; 63; Bet Gru ; 2.15; 2800;occ; 102; 0;48776
 18; 6589.0; 28-JUN-2011 16:24:45; Dark ; 49.0; 31; Alp Gru ; 1.73; 15200;occ; 98; 0;48776
 19; 6740.9; 28-JUN-2011 16:27:17; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;48776

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 3; 1465.4; 28-JUN-2011 16:39:35; Bright; 46.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 93; 0;48776
 4; 1970.4; 28-JUN-2011 16:48:00; Bright; 38.5; 126; 60Bet Oph ; 2.77; 4250;occ; 77; 0;48776
 5; 2110.1; 28-JUN-2011 16:50:20; Bright; 37.0; 59; 55Alp Oph ; 2.08; 8900;occ; 74; 0;48776
 6; 2647.3; 28-JUN-2011 16:59:17; Bright; 48.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 96; 0;48776
 7; 2797.0; 28-JUN-2011 17:01:47; Bright; 37.5; 130; 23Bet Dra ; 2.80; 5800;occ; 75; 0;48776
 8; 3339.4; 28-JUN-2011 17:10:49; Bright; 47.5; 89; 5Alp Cep ; 2.45; 8000;occ; 95; 0;48776
 9; 3775.3; 28-JUN-2011 17:18:05; Bright; 51.0; 74; 11Bet Cas ; 2.27; 6600;occ; 102; 0;48776
 10; 3874.9; 28-JUN-2011 17:19:45; Bright; 49.0; 68; 18Alp Cas ; 2.22; 4500;occ; 98; 0;48776
 11; 4043.1; 28-JUN-2011 17:22:33; Bright; 41.0; 160; 23Gam Per ; 2.93; 4700;occ; 82; 0;48776
 12; 4245.7; 28-JUN-2011 17:25:56; Bright; 47.5; 73; 57Gam1And ; 2.26; 13100;occ; 95; 0;48776
 13; 4400.0; 28-JUN-2011 17:28:30; Dark ; 50.0; 173; 4Bet Tri ; 3.00; 8900;occ; 100; 0;48776
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 15; 4944.8; 28-JUN-2011 17:37:35; Dark ; 49.0; 94; 92Alp Cet ; 2.53; 3100;occ; 98; 0;48776
 16; 5464.1; 28-JUN-2011 17:46:14; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48776
 17; 6083.7; 28-JUN-2011 17:56:34; Dark ; 47.5; 84; Alp Phe ; 2.40; 4500;occ; 95; 0;48777
 18; 6472.5; 28-JUN-2011 18:03:02; Dark ; 54.0; 63; Bet Gru ; 2.15; 2800;occ; 108; 0;48777
 19; 6589.9; 28-JUN-2011 18:05:00; Dark ; 50.5; 31; Alp Gru ; 1.73; 15200;occ; 101; 0;48777
 20; 6741.2; 28-JUN-2011 18:07:31; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;48777

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 4; 1970.3; 28-JUN-2011 18:28:14; Bright; 39.0; 126; 60Bet Oph ; 2.77; 4250;occ; 78; 0;48777
 5; 2110.0; 28-JUN-2011 18:30:34; Bright; 37.5; 59; 55Alp Oph ; 2.08; 8900;occ; 75; 0;48777
 6; 2646.8; 28-JUN-2011 18:39:31; Bright; 44.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 89; 0;48777
 7; 2796.6; 28-JUN-2011 18:42:01; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;48777
 8; 3338.8; 28-JUN-2011 18:51:03; Bright; 46.5; 89; 5Alp Cep ; 2.45; 8000;occ; 93; 0;48777
 9; 3774.8; 28-JUN-2011 18:58:19; Bright; 53.5; 74; 11Bet Cas ; 2.27; 6600;occ; 107; 0;48777
 10; 3874.3; 28-JUN-2011 18:59:58; Bright; 49.5; 68; 18Alp Cas ; 2.22; 4500;occ; 99; 0;48777
 11; 4042.8; 28-JUN-2011 19:02:47; Bright; 37.0; 160; 23Gam Per ; 2.93; 4700;occ; 74; 0;48777
 12; 4245.4; 28-JUN-2011 19:06:09; Bright; 43.0; 73; 57Gam1And ; 2.26; 13100;occ; 86; 0;48777
 13; 4400.1; 28-JUN-2011 19:08:44; Dark ; 51.0; 173; 4Bet Tri ; 3.00; 8900;occ; 102; 0;48777
 14; 4648.4; 28-JUN-2011 19:12:52; Dark ; 55.5; 50; 13Alp Ari ; 2.01; 4250;occ; 111; 0;48777
 15; 4945.0; 28-JUN-2011 19:17:49; Dark ; 48.0; 94; 92Alp Cet ; 2.53; 3100;occ; 96; 0;48777
 16; 5464.9; 28-JUN-2011 19:26:29; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;48777
 17; 6084.6; 28-JUN-2011 19:36:49; Dark ; 61.5; 84; Alp Phe ; 2.40; 4500;occ; 123; 0;48778
 18; 6473.3; 28-JUN-2011 19:43:17; Dark ; 52.5; 63; Bet Gru ; 2.15; 2800;occ; 105; 0;48778
 19; 6590.7; 28-JUN-2011 19:45:15; Dark ; 48.0; 31; Alp Gru ; 1.73; 15200;occ; 96; 0;48778
 20; 6741.5; 28-JUN-2011 19:47:46; Dark ; 47.5; 45; Alp Pav ; 1.94; 26000;occ; 95; 0;48778

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 6; 1259.5; 29-JUN-2011 00:57:19; Dark ; 44.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 89; 0;48781
 7; 1341.6; 29-JUN-2011 00:58:41; Dark ; 49.5; 116; 19Del Sgr ; 2.70; 4100;occ; 99; 0;48781
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 9; 1970.1; 29-JUN-2011 01:09:10; Bright; 37.5; 126; 60Bet Oph ; 2.77; 4250;occ; 75; 0;48781
 10; 2109.6; 29-JUN-2011 01:11:30; Bright; 39.0; 59; 55Alp Oph ; 2.08; 8900;occ; 78; 0;48781
 11; 2226.9; 29-JUN-2011 01:13:27; Bright; 33.0; 168; 17Zet Aql ; 2.99; 11000;occ; 66; 0;48781
 12; 2644.5; 29-JUN-2011 01:20:24; Bright; 62.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 124; 0;48781
 13; 2795.9; 29-JUN-2011 01:22:56; Bright; 35.5; 130; 23Bet Dra ; 2.80; 5800;occ; 71; 0;48781
 14; 3336.0; 29-JUN-2011 01:31:56; Bright; 46.0; 89; 5Alp Cep ; 2.45; 8000;occ; 92; 0;48781
 15; 3772.7; 29-JUN-2011 01:39:13; Bright; 70.0; 74; 11Bet Cas ; 2.27; 6600;occ; 140; 0;48781


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17; 4042.7; 29-JUN-2011 01:43:43; Bright; 36.0; 160; 23Gam Per ; 2.93; 4700;occ; 72; 0;48781
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19; 4400.2; 29-JUN-2011 01:49:40; Dark ; 48.5; 173; 4Bet Tri ; 3.00; 8900;occ; 97; 0;48781
20; 4649.8; 29-JUN-2011 01:53:50; Dark ; 54.5; 50; 13Alp Ari ; 2.01; 4250;occ; 109; 0;48781
21; 4946.8; 29-JUN-2011 01:58:47; Dark ; 46.5; 94; 92Alp Cet ; 2.53; 3100;occ; 93; 0;48781
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 3; 463.1; 29-JUN-2011 02:24:17; Dark ; 54.5; 63; Bet Gru ; 2.15; 2800;occ; 109; 0;48782
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 5; 729.6; 29-JUN-2011 02:28:43; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;48782
 6; 1300.2; 29-JUN-2011 02:38:14; Dark ; 48.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 96; 0;48782
 7; 1466.7; 29-JUN-2011 02:41:01; Bright; 46.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 93; 0;48782
 8; 1969.9; 29-JUN-2011 02:49:24; Bright; 37.5; 126; 60Bet Oph ; 2.77; 4250;occ; 75; 0;48782
 9; 2109.6; 29-JUN-2011 02:51:43; Bright; 37.5; 59; 55Alp Oph ; 2.08; 8900;occ; 75; 0;48782
10; 2226.4; 29-JUN-2011 02:53:40; Bright; 39.0; 168; 17Zet Aql ; 2.99; 11000;occ; 78; 0;48782
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12; 2795.8; 29-JUN-2011 03:03:10; Bright; 36.0; 130; 23Bet Dra ; 2.80; 5800;occ; 72; 0;48782
13; 3335.3; 29-JUN-2011 03:12:09; Bright; 43.5; 89; 5Alp Cep ; 2.45; 8000;occ; 87; 0;48782
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 3;-1971.4; 29-JUN-2011 03:23:56; Bright; 43.5; 160; 23Gam Per ; 2.93; 4700;occ; 87; 0;48782
 4;-1769.0; 29-JUN-2011 03:27:19; Bright; 55.5; 73; 57Gam1And ; 2.26; 13100;occ; 111; 0;48782
 5;-1613.4; 29-JUN-2011 03:29:54; Dark ; 51.0; 173; 4Bet Tri ; 3.00; 8900;occ; 102; 0;48782
 6;-1363.7; 29-JUN-2011 03:34:04; Dark ; 56.5; 50; 13Alp Ari ; 2.01; 4250;occ; 113; 0;48782
 7;-1066.8; 29-JUN-2011 03:39:01; Dark ; 48.0; 94; 92Alp Cet ; 2.53; 3100;occ; 96; 0;48782
 8; -544.9; 29-JUN-2011 03:47:43; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48782
 9; 75.8; 29-JUN-2011 03:58:04; Dark ; 46.5; 84; Alp Phe ; 2.40; 4500;occ; 93; 0;48783
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11; 581.3; 29-JUN-2011 04:06:29; Dark ; 51.5; 31; Alp Gru ; 1.73; 15200;occ; 103; 0;48783
12; 730.4; 29-JUN-2011 04:08:58; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;48783
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13; 1300.7; 29-JUN-2011 05:58:43; Dark ; 45.5; 103; 38Zet Sgr ; 2.60; 9700;occ; 91; 0;48784
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 3; 1969.9; 29-JUN-2011 21:11:58; Bright; 38.0; 126; 60Bet Oph ; 2.77; 4250;occ; 76; 0;48793
 4; 2109.3; 29-JUN-2011 21:14:17; Bright; 37.0; 59; 55Alp Oph ; 2.08; 8900;occ; 74; 0;48793
 5; 2220.3; 29-JUN-2011 21:16:08; Bright; 50.0; 168; 17Zet Aql ; 2.99; 11000;occ; 100; 0;48793

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12; 4042.1; 29-JUN-2011 21:46:30; Bright; 56.0; 160; 23Gam Per ; 2.93; 4700;occ; 112; 0;48793
13; 4244.4; 29-JUN-2011 21:49:52; Bright; 49.5; 73; 57Gam1And ; 2.26; 13100;occ; 99; 0;48793
14; 4401.2; 29-JUN-2011 21:52:29; Dark ; 49.5; 173; 4Bet Tri ; 3.00; 8900;occ; 99; 0;48793
15; 4653.6; 29-JUN-2011 21:56:42; Dark ; 58.5; 50; 13Alp Ari ; 2.01; 4250;occ; 117; 0;48793
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3; 474.8; 29-JUN-2011 22:27:17; Dark ; 50.5; 63; Bet Gru ; 2.15; 2800;occ; 101; 0;48794
4; 591.2; 29-JUN-2011 22:29:13; Dark ; 49.0; 31; Alp Gru ; 1.73; 15200;occ; 98; 0;48794
5; 735.7; 29-JUN-2011 22:31:37; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;48794
6; 1303.8; 29-JUN-2011 22:41:06; Dark ; 47.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 94; 0;48794
7; 1469.3; 29-JUN-2011 22:43:51; Bright; 45.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 90; 0;48794
8; 1969.7; 29-JUN-2011 22:52:11; Bright; 38.0; 126; 60Bet Oph ; 2.77; 4250;occ; 76; 0;48794
9; 2109.3; 29-JUN-2011 22:54:31; Bright; 37.0; 59; 55Alp Oph ; 2.08; 8900;occ; 74; 0;48794
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13; 2908.7; 29-JUN-2011 23:07:50; Bright; 47.0; 144; 18Del Cyg ; 2.86; 11000;occ; 94; 0;48794
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13; 1301.2; 29-JUN-2011 07:38:57; Dark ; 46.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 92; 0;48785
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4; 2642.8; 29-JUN-2011 08:01:19; Bright; 45.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 90; 0;48785
5; 2795.4; 29-JUN-2011 08:03:51; Bright; 40.0; 130; 23Bet Dra ; 2.80; 5800;occ; 80; 0;48785
6; 3333.5; 29-JUN-2011 08:12:49; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;48785
7; 3770.6; 29-JUN-2011 08:20:07; Bright; 48.0; 74; 11Bet Cas ; 2.27; 6600;occ; 96; 0;48785
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13; 4948.5; 29-JUN-2011 08:39:44; Dark ; 48.5; 94; 92Alp Cet ; 2.53; 3100;occ; 97; 0;48785
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19; 7315.7; 29-JUN-2011 09:19:12; Dark ; 47.5; 103; 38Zet Sgr ; 2.60; 9700;occ; 95; 0;48786
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5; 2795.4; 29-JUN-2011 09:44:05; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;48786
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13; 5472.4; 29-JUN-2011 10:28:42; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48786
14; 6093.9; 29-JUN-2011 10:39:04; Dark ; 51.0; 84; Alp Phe ; 2.40; 4500;occ; 102; 0;48787
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18; 7315.9; 29-JUN-2011 10:59:26; Dark ; 46.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 92; 0;48787
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3; 2223.6; 29-JUN-2011 11:14:47; Bright; 51.0; 168; 17Zet Aql ; 2.99; 11000;occ; 102; 0;48787
4; 2641.7; 29-JUN-2011 11:21:46; Bright; 48.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 97; 0;48787
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4; 2641.3; 29-JUN-2011 13:01:59; Bright; 46.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 93; 0;48788
5; 2795.1; 29-JUN-2011 13:04:33; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;48788
6; 2914.0; 29-JUN-2011 13:06:32; Bright; 33.0; 144; 18Del Cyg ; 2.86; 11000;occ; 66; 0;48788
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3; 2217.4; 30-JUN-2011 07:17:29; Bright; 49.0; 168; 17Zet Aql ; 2.99; 11000;occ; 98; 0;48799
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9; 3856.2; 30-JUN-2011 07:44:48; Bright; 40.0; 110; 37Del Cas ; 2.68; 8900;occ; 80; 0;48799
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 3; 2216.8; 30-JUN-2011 08:57:43; Bright; 49.0; 168; 17Zet Aql ; 2.99; 11000;occ; 98; 0;48800
 4; 2635.4; 30-JUN-2011 09:04:41; Bright; 44.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 89; 0;48800
 5; 2793.2; 30-JUN-2011 09:07:19; Bright; 38.0; 130; 23Bet Dra ; 2.80; 5800;occ; 76; 0;48800
 6; 2903.7; 30-JUN-2011 09:09:09; Bright; 61.0; 144; 18Del Cyg ; 2.86; 11000;occ; 122; 0;48800
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 9; 3856.0; 30-JUN-2011 09:25:02; Bright; 40.5; 110; 37Del Cas ; 2.68; 8900;occ; 81; 0;48800
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 11; 4145.2; 30-JUN-2011 09:29:51; Bright; 37.0; 175; 39Del Per ; 3.01; 19400;occ; 74; 0;48800
 12; 4244.1; 30-JUN-2011 09:31:30; Bright; 57.5; 73; 57Gam1And ; 2.26; 13100;occ; 115; 0;48800
 13; 4401.8; 30-JUN-2011 09:34:08; Dark ; 48.0; 173; 4Bet Tri ; 3.00; 8900;occ; 96; 0;48800
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 5; 2792.8; 30-JUN-2011 12:27:46; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;48802
 6; 2901.9; 30-JUN-2011 12:29:36; Bright; 48.5; 144; 18Del Cyg ; 2.86; 11000;occ; 97; 0;48802
 7; 3322.2; 30-JUN-2011 12:36:36; Bright; 47.0; 89; 5Alp Cep ; 2.45; 8000;occ; 94; 0;48802
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 9; 3855.4; 30-JUN-2011 12:45:29; Bright; 63.0; 110; 37Del Cas ; 2.68; 8900;occ; 126; 0;48802
 10; 4041.8; 30-JUN-2011 12:48:35; Bright; 39.0; 160; 23Gam Per ; 2.93; 4700;occ; 78; 0;48802

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 4; 2109.0; 30-JUN-2011 18:57:19; Bright; 37.5; 59; 55Alp Oph ; 2.08; 8900;occ; 75; 0;48806
 5; 2213.5; 30-JUN-2011 18:59:03; Bright; 71.0; 168; 17Zet Aql ; 2.99; 11000;occ; 142; 0;48806
 6; 2632.5; 30-JUN-2011 19:06:02; Bright; 45.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 90; 0;48806
 7; 2792.3; 30-JUN-2011 19:08:42; Bright; 37.5; 130; 23Bet Dra ; 2.80; 5800;occ; 75; 0;48806
 8; 2898.5; 30-JUN-2011 19:10:28; Bright; 49.5; 144; 18Del Cyg ; 2.86; 11000;occ; 99; 0;48806
 9; 3319.6; 30-JUN-2011 19:17:29; Bright; 46.5; 89; 5Alp Cep ; 2.45; 8000;occ; 93; 0;48806
 10; 3760.0; 30-JUN-2011 19:24:50; Bright; 47.5; 74; 11Bet Cas ; 2.27; 6600;occ; 95; 0;48806
 11; 3854.2; 30-JUN-2011 19:26:24; Bright; 40.0; 110; 37Del Cas ; 2.68; 8900;occ; 80; 0;48806
 12; 4041.6; 30-JUN-2011 19:29:31; Bright; 56.0; 160; 23Gam Per ; 2.93; 4700;occ; 112; 0;48806
 13; 4145.5; 30-JUN-2011 19:31:15; Bright; 54.0; 175; 39Del Per ; 3.01; 19400;occ; 108; 0;48806
 14; 4243.7; 30-JUN-2011 19:32:53; Bright; 50.5; 73; 57Gam1And ; 2.26; 13100;occ; 101; 0;48806
 15; 4402.2; 30-JUN-2011 19:35:32; Dark ; 48.5; 173; 4Bet Tri ; 3.00; 8900;occ; 97; 0;48806
 16; 4658.1; 30-JUN-2011 19:39:48; Dark ; 57.5; 50; 13Alp Ari ; 2.01; 4250;occ; 115; 0;48806
 17; 4957.2; 30-JUN-2011 19:44:47; Dark ; 49.0; 94; 92Alp Cet ; 2.53; 3100;occ; 98; 0;48806
 18; 5489.9; 30-JUN-2011 19:53:40; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48806
 19; 6114.3; 30-JUN-2011 20:04:04; Dark ; 48.5; 84; Alp Phe ; 2.40; 4500;occ; 97; 0;48807
 20; 6501.4; 30-JUN-2011 20:10:31; Dark ; 53.5; 63; Bet Gru ; 2.15; 2800;occ; 107; 0;48807
 21; 6616.9; 30-JUN-2011 20:12:26; Dark ; 49.0; 31; Alp Gru ; 1.73; 15200;occ; 98; 0;48807
 22; 6756.1; 30-JUN-2011 20:14:46; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;48807