

GOMOS Daily Report 13-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	16JUN2011 07:05:22
Data source version	GOMOS/6.01
Start time of products	13JUN2011 00:14:15
Stop time of products	13JUN2011 23:56:07
Store outputs in DB	Yes
Nb of level 1b prods	286
Nb of prods with errors	2

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

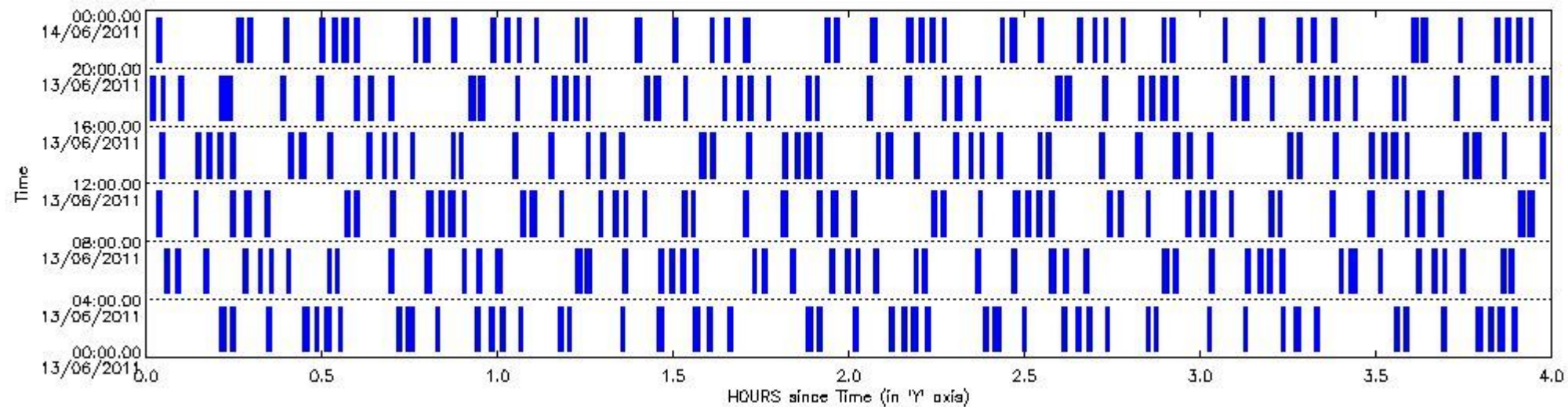
2.1 Level 0 products arrived in PCF (see template [here](#))

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)

No missing products.

2.4 Summary of processed GOM_TRA_1P products

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20110613_001415_000000523103_00260_48550_5112.N1	13-JUN-2011 00:14:15	Dark	51.500	52	16Bet Cet	2.0370	4500.0	103	48550	No
2	GOM_TRA_1PNPDE20110613_002034_000000453103_00260_48550_5113.N1	13-JUN-2011 00:20:34	Dark	45.000	84	Alp Phe	2.3970	4500.0	90	48550	No
3	GOM_TRA_1PNPDE20110613_002640_000000633103_00261_48551_5114.N1	13-JUN-2011 00:26:40	Dark	62.500	63	Bet Gru	2.1500	2800.0	125	48551	No
4	GOM_TRA_1PNPDE20110613_002842_000000483103_00261_48551_5115.N1	13-JUN-2011 00:28:42	Dark	48.000	31	Alp Gru	1.7340	15200.	96	48551	No
5	GOM_TRA_1PNPDE20110613_003025_000000593103_00261_48551_5116.N1	13-JUN-2011 00:30:25	Straylight	58.500	172	Gam Gru	3.0030	13100.	117	48551	No
6	GOM_TRA_1PNPDE20110613_003243_000000423103_00261_48551_5117.N1	13-JUN-2011 00:32:43	Straylight	42.000	45	Alp Pav	1.9400	26000.	84	48551	No
7	GOM_TRA_1PNPDE20110613_004242_000000453103_00261_48551_5118.N1	13-JUN-2011 00:42:42	Twilight_stray	45.000	25	35Lam Sco	1.6200	28000.	90	48551	No
8	GOM_TRA_1PNPDE20110613_004424_000000743103_00261_48551_5119.N1	13-JUN-2011 00:44:24	Bright	74.000	57	34Sig Sgr	2.0660	26000.	148	48551	No
9	GOM_TRA_1PNPDE20110613_004922_000000403103_00261_48551_5120.N1	13-JUN-2011 00:49:22	Bright	40.000	86	35Eta Oph	2.4300	10200.	80	48551	No
10	GOM_TRA_1PNPDE20110613_005605_000000473103_00261_48551_5121.N1	13-JUN-2011 00:56:05	Bright	46.500	126	60Bet Oph	2.7700	4250.0	93	48551	No
11	GOM_TRA_1PNPDE20110613_005837_000000463103_00261_48551_5122.N1	13-JUN-2011 00:58:37	Bright	45.500	59	55Alp Oph	2.0800	8900.0	91	48551	No
12	GOM_TRA_1PNPDE20110613_010029_000000383103_00261_48551_5123.N1	13-JUN-2011 01:00:29	Bright	38.000	127	27Bet Her	2.7810	4700.0	76	48551	No

13	GOM_TRA_1PNPDE20110613_010333_000000413103_00261_48551_5124.N1	13-JUN-2011 01:03:33	Bright	40.500	133	40Zet Her	2.8070	6000.0	81	48551	No
14	GOM_TRA_1PNPDE20110613_011026_000000383103_00261_48551_5125.N1	13-JUN-2011 01:10:26	Bright	38.000	130	23Bet Dra	2.7990	5800.0	76	48551	No
15	GOM_TRA_1PNPDE20110613_011152_000000393103_00261_48551_5126.N1	13-JUN-2011 01:11:52	Bright	38.500	119	14Eta Dra	2.7270	4700.0	77	48551	No
16	GOM_TRA_1PNPDE20110613_012055_000000483103_00261_48551_5127.N1	13-JUN-2011 01:20:55	Bright	48.000	89	5Alp Cep	2.4510	8000.0	96	48551	No
17	GOM_TRA_1PNPDE20110613_012710_000000643103_00261_48551_5128.N1	13-JUN-2011 01:27:10	Bright	64.000	74	11Bet Cas	2.2680	6600.0	128	48551	No
18	GOM_TRA_1PNPDE20110613_013330_000000563103_00261_48551_5129.N1	13-JUN-2011 01:33:30	Bright	56.000	73	57Gam1And	2.2600	13100.	112	48551	No
19	GOM_TRA_1PNPDE20110613_013549_000000543103_00261_48551_5130.N1	13-JUN-2011 01:35:49	Twilight	54.000	53	43Bet And	2.0480	3300.0	108	48551	No
20	GOM_TRA_1PNPDE20110613_013914_000000503103_00261_48551_5131.N1	13-JUN-2011 01:39:14	Twilight	50.000	50	13Alp Ari	2.0070	4250.0	100	48551	No
21	GOM_TRA_1PNPDE20110613_015429_000000563103_00261_48551_5132.N1	13-JUN-2011 01:54:29	Dark	56.000	52	16Bet Cet	2.0370	4500.0	112	48551	No
22	GOM_TRA_1PNPDE20110613_020049_000000433103_00261_48551_5133.N1	13-JUN-2011 02:00:49	Dark	43.000	84	Alp Phe	2.3970	4500.0	86	48551	No
23	GOM_TRA_1PNPDE20110613_020655_000000523103_00262_48552_5134.N1	13-JUN-2011 02:06:55	Dark	52.000	63	Bet Gru	2.1500	2800.0	104	48552	No
24	GOM_TRA_1PNPDE20110613_020857_000000483103_00262_48552_5135.N1	13-JUN-2011 02:08:57	Dark	48.000	31	Alp Gru	1.7340	15200.	96	48552	No
25	GOM_TRA_1PNPDE20110613_021040_000000573103_00262_48552_5136.N1	13-JUN-2011 02:10:40	Straylight	57.000	172	Gam Gru	3.0030	13100.	114	48552	No
26	GOM_TRA_1PNPDE20110613_021257_000000453103_00262_48552_5137.N1	13-JUN-2011 02:12:57	Straylight	45.000	45	Alp Pav	1.9400	26000.	90	48552	No
27	GOM_TRA_1PNPDE20110613_022257_000000463103_00262_48552_5138.N1	13-JUN-2011 02:22:57	Twilight	45.500	25	35Lam Sco	1.6200	28000.	91	48552	No
28	GOM_TRA_1PNPDE20110613_022439_000000683103_00262_48552_5139.N1	13-JUN-2011 02:24:39	Bright	68.000	57	34Sig Sgr	2.0660	26000.	136	48552	No
29	GOM_TRA_1PNPDE20110613_022936_000000403103_00262_48552_5140.N1	13-JUN-2011 02:29:36	Bright	39.500	86	35Eta Oph	2.4300	10200.	79	48552	No
30	GOM_TRA_1PNPDE20110613_023618_000000473103_00262_48552_5141.N1	13-JUN-2011 02:36:18	Bright	46.500	126	60Bet Oph	2.7700	4250.0	93	48552	No
31	GOM_TRA_1PNPDE20110613_023851_000000483103_00262_48552_5142.N1	13-JUN-2011 02:38:51	Bright	47.500	59	55Alp Oph	2.0800	8900.0	95	48552	No
32	GOM_TRA_1PNPDE20110613_024043_000000383103_00262_48552_5143.N1	13-JUN-2011 02:40:43	Bright	38.000	127	27Bet Her	2.7810	4700.0	76	48552	No
33	GOM_TRA_1PNPDE20110613_024347_000000403103_00262_48552_5144.N1	13-JUN-2011 02:43:47	Bright	40.000	133	40Zet Her	2.8070	6000.0	80	48552	No
34	GOM_TRA_1PNPDE20110613_025040_000000413103_00262_48552_5145.N1	13-JUN-2011 02:50:40	Bright	41.000	130	23Bet Dra	2.7990	5800.0	82	48552	No
35	GOM_TRA_1PNPDE20110613_025206_000000363103_00262_48552_5146.N1	13-JUN-2011 02:52:06	Bright	35.500	119	14Eta Dra	2.7270	4700.0	71	48552	No
36	GOM_TRA_1PNPDE20110613_030109_000000453103_00262_48552_5164.N1	13-JUN-2011 03:01:09	Bright	44.500	89	5Alp Cep	2.4510	8000.0	89	48552	Yes
37	GOM_TRA_1PNPDE20110613_030723_000000423103_00262_48552_5165.N1	13-JUN-2011 03:07:23	Bright	41.500	74	11Bet Cas	2.2680	6600.0	83	48552	No
38	GOM_TRA_1PNPDE20110613_031344_000000393103_00262_48552_5166.N1	13-JUN-2011 03:13:44	Bright	39.000	73	57Gam1And	2.2600	13100.	78	48552	No
39	GOM_TRA_1PNPDE20110613_031603_000000543103_00262_48552_5167.N1	13-JUN-2011 03:16:03	Twilight	53.500	53	43Bet And	2.0480	3300.0	107	48552	No
40	GOM_TRA_1PNPDE20110613_031928_000000533103_00262_48552_5168.N1	13-JUN-2011 03:19:28	Twilight	52.500	50	13Alp Ari	2.0070	4250.0	105	48552	No
41	GOM_TRA_1PNPDE20110613_033445_000000553103_00262_48552_5169.N1	13-JUN-2011 03:34:45	Dark	55.000	52	16Bet Cet	2.0370	4500.0	110	48552	No
42	GOM_TRA_1PNPDE20110613_034104_000000513103_00262_48552_5170.N1	13-JUN-2011 03:41:04	Dark	50.500	84	Alp Phe	2.3970	4500.0	101	48552	No
43	GOM_TRA_1PNPDE20110613_034710_000000513103_00263_48553_5171.N1	13-JUN-2011 03:47:10	Dark	51.000	63	Bet Gru	2.1500	2800.0	102	48553	No
44	GOM_TRA_1PNPDE20110613_034912_000000493103_00263_48553_5172.N1	13-JUN-2011 03:49:12	Dark	48.500	31	Alp Gru	1.7340	15200.	97	48553	No
45	GOM_TRA_1PNPDE20110613_035055_000000573103_00263_48553_5173.N1	13-JUN-2011 03:50:55	Straylight	56.500	172	Gam Gru	3.0030	13100.	113	48553	No
46	GOM_TRA_1PNPDE20110613_035312_000000443103_00263_48553_5174.N1	13-JUN-2011 03:53:12	Straylight	44.000	45	Alp Pav	1.9400	26000.	88	48553	No
47	GOM_TRA_1PNPDE20110613_040311_000000473103_00263_48553_5175.N1	13-JUN-2011 04:03:11	Twilight	46.500	25	35Lam Sco	1.6200	28000.	93	48553	No
48	GOM_TRA_1PNPDE20110613_040453_000000583103_00263_48553_5176.N1	13-JUN-2011 04:04:53	Bright	58.000	57	34Sig Sgr	2.0660	26000.	116	48553	No
49	GOM_TRA_1PNPDE20110613_040950_000000403103_00263_48553_5177.N1	13-JUN-2011 04:09:50	Bright	40.000	86	35Eta Oph	2.4300	10200.	80	48553	No
50	GOM_TRA_1PNPDE20110613_041632_000000473103_00263_48553_5178.N1	13-JUN-2011 04:16:32	Bright	47.000	126	60Bet Oph	2.7700	4250.0	94	48553	No
51	GOM_TRA_1PNPDE20110613_041905_000000443103_00263_48553_5179.N1	13-JUN-2011 04:19:05	Bright	44.000	59	55Alp Oph	2.0800	8900.0	88	48553	No
52	GOM_TRA_1PNPDE20110613_042057_000000403103_00263_48553_5180.N1	13-JUN-2011 04:20:57	Bright	39.500	127	27Bet Her	2.7810	4700.0	79	48553	No
53	GOM_TRA_1PNPDE20110613_042401_000000373103_00263_48553_5181.N1	13-JUN-2011 04:24:01	Bright	37.000	133	40Zet Her	2.8070	6000.0	74	48553	No
54	GOM_TRA_1PNPDE20110613_043053_000000413103_00263_48553_5182.N1	13-JUN-2011 04:30:53	Bright	41.000	130	23Bet Dra	2.7990	5800.0	82	48553	No
55	GOM_TRA_1PNPDE20110613_043220_000000383103_00263_48553_5183.N1	13-JUN-2011 04:32:20	Bright	38.000	119	14Eta Dra	2.7270	4700.0	76	48553	No
56	GOM_TRA_1PNPDE20110613_044122_000000463103_00263_48553_5184.N1	13-JUN-2011 04:41:22	Bright	46.000	89	5Alp Cep	2.4510	8000.0	92	48553	No
57	GOM_TRA_1PNPDE20110613_044737_000000643103_00263_48553_5183.N1	13-JUN-2011 04:47:37	Bright	64.000	74	11Bet Cas	2.2680	6600.0	128	48553	No
58	GOM_TRA_1PNPDE20110613_045358_000000393103_00263_48553_5184.N1	13-JUN-2011 04:53:58	Bright	38.500	73	57Gam1And	2.2600	13100.	77	48553	No
59	GOM_TRA_1PNPDE20110613_045617_000000553103_00263_48553_5185.N1	13-JUN-2011 04:56:17	Twilight	55.000	53	43Bet And	2.0480	3300.0	110	48553	No
60	GOM_TRA_1PNPDE20110613_045943_000000523103_00263_48553_5186.N1	13-JUN-2011 04:59:43	Twilight	51.500	50	13Alp Ari	2.0070	4250.0	103	48553	No
61	GOM_TRA_1PNPDE20110613_051500_000000553103_00263_48553_5187.N1	13-JUN-2011 05:15:00	Dark	55.000	52	16Bet Cet	2.0370	4500.0	110	48553	No
62	GOM_TRA_1PNPDE20110613_052118_000000483103_00263_48553_5188.N1	13-JUN-2011 05:21:18	Dark	47.500	84	Alp Phe	2.3970	4500.0	95	48553	No
63	GOM_TRA_1PNPDE20110613_052725_000000503103_00264_48554_5189.N1	13-JUN-2011 05:27:25	Dark	49.500	63	Bet Gru	2.1500	2800.0	99	48554	No
64	GOM_TRA_1PNPDE20110613_052927_000000483103_00264_48554_5190.N1	13-JUN-2011 05:29:27	Dark	48.000	31	Alp Gru	1.7340	15200.	96	48554	No
65	GOM_TRA_1PNPDE20110613_053111_000000583103_00264_48554_5191.N1	13-JUN-2011 05:31:11	Straylight	58.000	172	Gam Gru	3.0030	13100.	116	48554	No
66	GOM_TRA_1PNPDE20110613_053327_000000433103_00264_48554_5192.N1	13-JUN-2011 05:33:27	Straylight	42.500	45	Alp Pav	1.9400	26000.	85	48554	No
67	GOM_TRA_1PNPDE20110613_054326_000000453103_00264_48554_5193.N1	13-JUN-2011 05:43:26	Twilight	44.500	25	35Lam Sco	1.6200	28000.	89	48554	No
68	GOM_TRA_1PNPDE20110613_054508_000000563103_00264_48554_5194.N1	13-JUN-2011 05:45:08	Bright	55.500	57	34Sig Sgr	2.0660	26000.	111	48554	No
69	GOM_TRA_1PNPDE20110613_055004_000000403103_00264_48554_5195.N1	13-JUN-2011 05:50:04	Bright	40.000	86	35Eta Oph	2.4300	10200.	80	48554	No
70	GOM_TRA_1PNPDE20110613_055646_000000473103_00264_48554_5196.N1	13-JUN-2011 05:56:46	Bright	46.500	126	60Bet Oph	2.7700	4250.0	93	48554	No
71	GOM_TRA_1PNPDE20110613_055918_000000443103_00264_48554_5197.N1	13-JUN-2011 05:59:18	Bright	44.000	59	55Alp Oph	2.0800	8900.0	88	48554	No

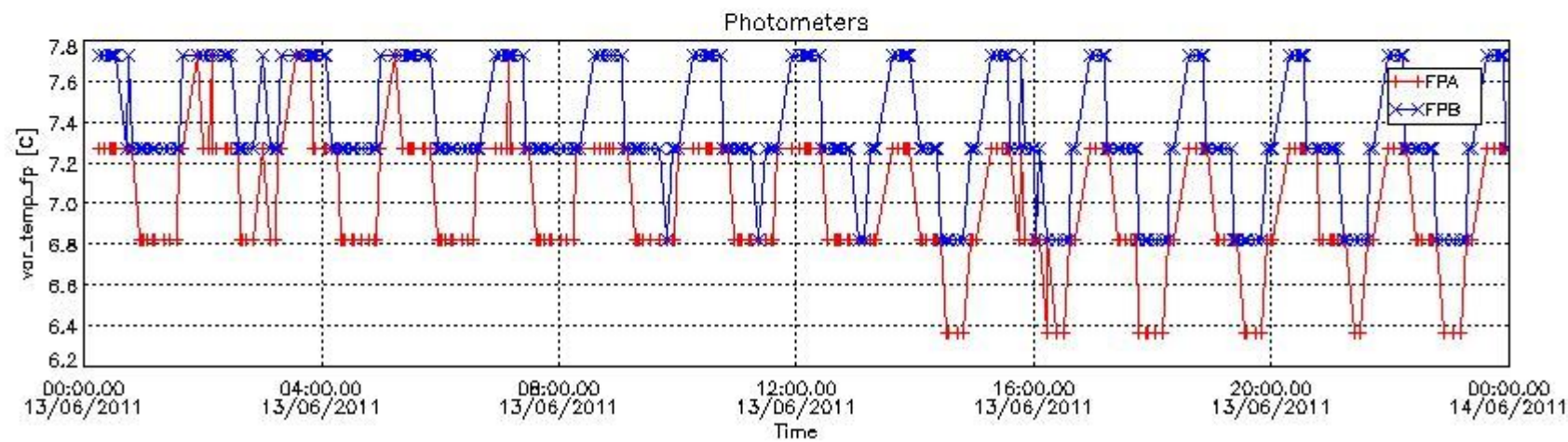
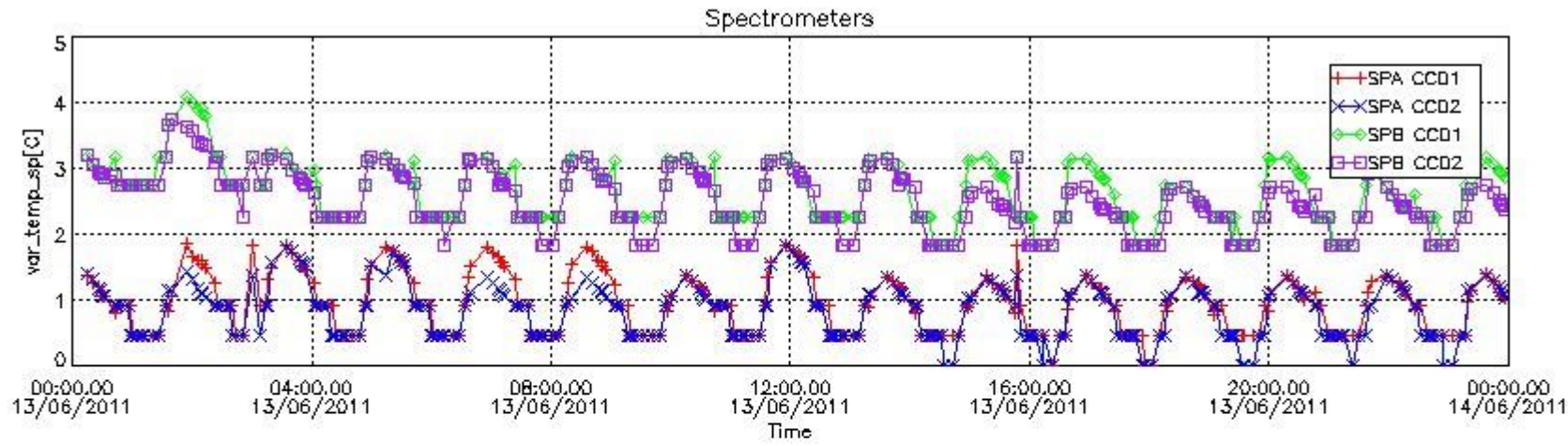
72	GOM_TRA_1PNPDE20110613_060111_000000373103_00264_48554_5198.N1	13-JUN-2011 06:01:11	Bright	37.000	127	27Bet Her	2.7810	4700.0	74	48554	No
73	GOM_TRA_1PNPDE20110613_060415_000000403103_00264_48554_5199.N1	13-JUN-2011 06:04:15	Bright	39.500	133	40Zet Her	2.8070	6000.0	79	48554	No
74	GOM_TRA_1PNPDE20110613_061107_000000423103_00264_48554_5200.N1	13-JUN-2011 06:11:07	Bright	41.500	130	23Bet Dra	2.7990	5800.0	83	48554	No
75	GOM_TRA_1PNPDE20110613_061234_000000393103_00264_48554_5201.N1	13-JUN-2011 06:12:34	Bright	38.500	119	14Eta Dra	2.7270	4700.0	77	48554	No
76	GOM_TRA_1PNPDE20110613_062136_000000473103_00264_48554_5202.N1	13-JUN-2011 06:21:36	Bright	47.000	89	5Alp Cep	2.4510	8000.0	94	48554	No
77	GOM_TRA_1PNPDK20110613_062751_000000493103_00264_48554_3413.N1	13-JUN-2011 06:27:51	Bright	49.000	74	11Bet Cas	2.2680	6600.0	98	48554	No
78	GOM_TRA_1PNPDK20110613_063412_000000563103_00264_48554_3414.N1	13-JUN-2011 06:34:12	Bright	56.000	73	57Gam1And	2.2600	13100.	112	48554	No
79	GOM_TRA_1PNPDK20110613_063632_000000553103_00264_48554_3415.N1	13-JUN-2011 06:36:32	Twilight	55.000	53	43Bet And	2.0480	3300.0	110	48554	No
80	GOM_TRA_1PNPDK20110613_063957_000000513103_00264_48554_3416.N1	13-JUN-2011 06:39:57	Twilight	50.500	50	13Alp Ari	2.0070	4250.0	101	48554	No
81	GOM_TRA_1PNPDK20110613_065515_000000573103_00264_48554_3417.N1	13-JUN-2011 06:55:15	Dark	56.500	52	16Bet Cet	2.0370	4500.0	113	48554	No
82	GOM_TRA_1PNPDK20110613_070133_000000473103_00264_48554_3418.N1	13-JUN-2011 07:01:33	Dark	47.000	84	Alp Phe	2.3970	4500.0	94	48554	No
83	GOM_TRA_1PNPDK20110613_070739_000000503103_00265_48555_3419.N1	13-JUN-2011 07:07:39	Dark	49.500	63	Bet Gru	2.1500	2800.0	99	48555	No
84	GOM_TRA_1PNPDK20110613_070942_000000493103_00265_48555_3420.N1	13-JUN-2011 07:09:42	Dark	49.000	31	Alp Gru	1.7340	15200.	98	48555	No
85	GOM_TRA_1PNPDK20110613_071126_000000563103_00265_48555_3421.N1	13-JUN-2011 07:11:26	Straylight	55.500	172	Gam Gru	3.0030	13100.	111	48555	No
86	GOM_TRA_1PNPDK20110613_071341_000000423103_00265_48555_3422.N1	13-JUN-2011 07:13:41	Straylight	42.000	45	Alp Pav	1.9400	26000.	84	48555	No
87	GOM_TRA_1PNPDK20110613_072340_000000433103_00265_48555_3423.N1	13-JUN-2011 07:23:40	Twilight	43.000	25	35Lam Sco	1.6200	28000.	86	48555	No
88	GOM_TRA_1PNPDK20110613_072522_000000733103_00265_48555_3424.N1	13-JUN-2011 07:25:22	Bright	73.000	57	34Sig Sgr	2.0660	26000.	146	48555	No
89	GOM_TRA_1PNPDK20110613_073019_000000403103_00265_48555_3425.N1	13-JUN-2011 07:30:19	Bright	39.500	86	35Eta Oph	2.4300	10200.	79	48555	No
90	GOM_TRA_1PNPDK20110613_073700_000000463103_00265_48555_3436.N1	13-JUN-2011 07:37:00	Bright	46.000	126	60Bet Oph	2.7700	4250.0	92	48555	No
91	GOM_TRA_1PNPDK20110613_073932_000000463103_00265_48555_3437.N1	13-JUN-2011 07:39:32	Bright	46.000	59	55Alp Oph	2.0800	8900.0	92	48555	No
92	GOM_TRA_1PNPDK20110613_074125_000000393103_00265_48555_3438.N1	13-JUN-2011 07:41:25	Bright	38.500	127	27Bet Her	2.7810	4700.0	77	48555	No
93	GOM_TRA_1PNPDK20110613_074429_000000403103_00265_48555_3439.N1	13-JUN-2011 07:44:29	Bright	39.500	133	40Zet Her	2.8070	6000.0	79	48555	No
94	GOM_TRA_1PNPDK20110613_075121_000000423103_00265_48555_3440.N1	13-JUN-2011 07:51:21	Bright	42.000	130	23Bet Dra	2.7990	5800.0	84	48555	No
95	GOM_TRA_1PNPDK20110613_075248_000000383103_00265_48555_3441.N1	13-JUN-2011 07:52:48	Bright	37.500	119	14Eta Dra	2.7270	4700.0	75	48555	No
96	GOM_TRA_1PNPDK20110613_080149_000000463103_00265_48555_3442.N1	13-JUN-2011 08:01:49	Bright	46.000	89	5Alp Cep	2.4510	8000.0	92	48555	No
97	GOM_TRA_1PNPDK20110613_080804_000000443103_00265_48555_3443.N1	13-JUN-2011 08:08:04	Bright	44.000	74	11Bet Cas	2.2680	6600.0	88	48555	No
98	GOM_TRA_1PNPDK20110613_081426_000000393103_00265_48555_3444.N1	13-JUN-2011 08:14:26	Bright	38.500	73	57Gam1And	2.2600	13100.	77	48555	No
99	GOM_TRA_1PNPDK20110613_081646_000000583103_00265_48555_3445.N1	13-JUN-2011 08:16:46	Twilight	58.000	53	43Bet And	2.0480	3300.0	116	48555	No
100	GOM_TRA_1PNPDK20110613_082011_000000473103_00265_48555_3446.N1	13-JUN-2011 08:20:11	Twilight	47.000	50	13Alp Ari	2.0070	4250.0	94	48555	No
101	GOM_TRA_1PNPDK20110613_083530_000000563103_00265_48555_3447.N1	13-JUN-2011 08:35:30	Dark	55.500	52	16Bet Cet	2.0370	4500.0	111	48555	No
102	GOM_TRA_1PNPDK20110613_084148_000000463103_00265_48555_3448.N1	13-JUN-2011 08:41:48	Dark	45.500	84	Alp Phe	2.3970	4500.0	91	48555	No
103	GOM_TRA_1PNPDK20110613_084754_000000543103_00266_48556_3449.N1	13-JUN-2011 08:47:54	Dark	53.500	63	Bet Gru	2.1500	2800.0	107	48556	No
104	GOM_TRA_1PNPDK20110613_084957_000000473103_00266_48556_3450.N1	13-JUN-2011 08:49:57	Dark	46.500	31	Alp Gru	1.7340	15200.	93	48556	No
105	GOM_TRA_1PNPDK20110613_085141_000000573103_00266_48556_3451.N1	13-JUN-2011 08:51:41	Straylight	56.500	172	Gam Gru	3.0030	13100.	113	48556	No
106	GOM_TRA_1PNPDK20110613_085356_000000433103_00266_48556_3452.N1	13-JUN-2011 08:53:56	Straylight	42.500	45	Alp Pav	1.9400	26000.	85	48556	No
107	GOM_TRA_1PNPDK20110613_090354_000000463103_00266_48556_3453.N1	13-JUN-2011 09:03:54	Twilight	46.000	25	35Lam Sco	1.6200	28000.	92	48556	No
108	GOM_TRA_1PNPDK20110613_090537_000000623103_00266_48556_3454.N1	13-JUN-2011 09:05:37	Bright	62.000	57	34Sig Sgr	2.0660	26000.	124	48556	No
109	GOM_TRA_1PNPDK20110613_091033_000000403103_00266_48556_3455.N1	13-JUN-2011 09:10:33	Bright	39.500	86	35Eta Oph	2.4300	10200.	79	48556	No
110	GOM_TRA_1PNPDK20110613_091713_000000453103_00266_48556_3461.N1	13-JUN-2011 09:17:13	Bright	44.500	126	60Bet Oph	2.7700	4250.0	89	48556	No
111	GOM_TRA_1PNPDK20110613_091946_000000443103_00266_48556_3462.N1	13-JUN-2011 09:19:46	Bright	43.500	59	55Alp Oph	2.0800	8900.0	87	48556	No
112	GOM_TRA_1PNPDK20110613_092139_000000373103_00266_48556_3463.N1	13-JUN-2011 09:21:39	Bright	36.500	127	27Bet Her	2.7810	4700.0	73	48556	No
113	GOM_TRA_1PNPDK20110613_092442_000000373103_00266_48556_3464.N1	13-JUN-2011 09:24:42	Bright	37.000	133	40Zet Her	2.8070	6000.0	74	48556	No
114	GOM_TRA_1PNPDK20110613_093134_000000413103_00266_48556_3465.N1	13-JUN-2011 09:31:34	Bright	41.000	130	23Bet Dra	2.7990	5800.0	82	48556	No
115	GOM_TRA_1PNPDK20110613_093301_000000393103_00266_48556_3466.N1	13-JUN-2011 09:33:01	Bright	38.500	119	14Eta Dra	2.7270	4700.0	77	48556	No
116	GOM_TRA_1PNPDK20110613_094202_000000473103_00266_48556_3467.N1	13-JUN-2011 09:42:02	Bright	47.000	89	5Alp Cep	2.4510	8000.0	94	48556	No
117	GOM_TRA_1PNPDK20110613_094818_000000633103_00266_48556_3468.N1	13-JUN-2011 09:48:18	Bright	63.000	74	11Bet Cas	2.2680	6600.0	126	48556	No
118	GOM_TRA_1PNPDK20110613_095440_000000383103_00266_48556_3469.N1	13-JUN-2011 09:54:40	Bright	37.500	73	57Gam1And	2.2600	13100.	75	48556	No
119	GOM_TRA_1PNPDK20110613_095659_000000563103_00266_48556_3470.N1	13-JUN-2011 09:56:59	Twilight	56.000	53	43Bet And	2.0480	3300.0	112	48556	No
120	GOM_TRA_1PNPDK20110613_100025_000000483103_00266_48556_3471.N1	13-JUN-2011 10:00:25	Twilight	48.000	50	13Alp Ari	2.0070	4250.0	96	48556	No
121	GOM_TRA_1PNPDK20110613_101545_000000523103_00266_48556_3472.N1	13-JUN-2011 10:15:45	Dark	52.000	52	16Bet Cet	2.0370	4500.0	104	48556	No
122	GOM_TRA_1PNPDK20110613_102203_000000453103_00266_48556_3473.N1	13-JUN-2011 10:22:03	Dark	45.000	84	Alp Phe	2.3970	4500.0	90	48556	No
123	GOM_TRA_1PNPDK20110613_102809_000000503103_00267_48557_3474.N1	13-JUN-2011 10:28:09	Dark	49.500	63	Bet Gru	2.1500	2800.0	99	48557	No
124	GOM_TRA_1PNPDK20110613_103012_000000473103_00267_48557_3475.N1	13-JUN-2011 10:30:12	Dark	47.000	31	Alp Gru	1.7340	15200.	94	48557	No
125	GOM_TRA_1PNPDK20110613_103157_000000573103_00267_48557_3476.N1	13-JUN-2011 10:31:57	Straylight	56.500	172	Gam Gru	3.0030	13100.	113	48557	No
126	GOM_TRA_1PNPDK20110613_103411_000000433103_00267_48557_3477.N1	13-JUN-2011 10:34:11	Straylight	43.000	45	Alp Pav	1.9400	26000.	86	48557	No
127	GOM_TRA_1PNPDK20110613_104409_000000443103_00267_48557_3478.N1	13-JUN-2011 10:44:09	Twilight	43.500	25	35Lam Sco	1.6200	28000.	87	48557	No
128	GOM_TRA_1PNPDK20110613_104551_000000593103_00267_48557_3479.N1	13-JUN-2011 10:45:51	Bright	58.500	57	34Sig Sgr	2.0660	26000.	117	48557	No
129	GOM_TRA_1PNPDK20110613_105047_000000403103_00267_48557_3480.N1	13-JUN-2011 10:50:47	Bright	40.000	86	35Eta Oph	2.4300	10200.	80	48557	No
130	GOM_TRA_1PNPDK20110613_105727_000000443103_00267_48557_3515.N1	13-JUN-2011 10:57:27	Bright	44.000	126	60Bet Oph	2.7700	4250.0	88	48557	No

131	GOM_TRA_1PNPDK20110613_105959_000000433103_00267_48557_3516.N1	13-JUN-2011 10:59:59	Bright	42.500	59	55Alp Oph	2.0800	8900.0	85	48557	No
132	GOM_TRA_1PNPDK20110613_110152_000000373103_00267_48557_3517.N1	13-JUN-2011 11:01:52	Bright	37.000	127	27Bet Her	2.7810	4700.0	74	48557	No
133	GOM_TRA_1PNPDK20110613_110456_000000403103_00267_48557_3518.N1	13-JUN-2011 11:04:56	Bright	40.000	133	40Zet Her	2.8070	6000.0	80	48557	No
134	GOM_TRA_1PNPDK20110613_111148_000000433103_00267_48557_3519.N1	13-JUN-2011 11:11:48	Bright	42.500	130	23Bet Dra	2.7990	5800.0	85	48557	No
135	GOM_TRA_1PNPDK20110613_111315_000000403103_00267_48557_3520.N1	13-JUN-2011 11:13:15	Bright	39.500	119	14Eta Dra	2.7270	4700.0	79	48557	No
136	GOM_TRA_1PNPDK20110613_112216_000000483103_00267_48557_3521.N1	13-JUN-2011 11:22:16	Bright	48.000	89	5Alp Cep	2.4510	8000.0	96	48557	No
137	GOM_TRA_1PNPDK20110613_112832_000000643103_00267_48557_3522.N1	13-JUN-2011 11:28:32	Bright	64.000	74	11Bet Cas	2.2680	6600.0	128	48557	No
138	GOM_TRA_1PNPDK20110613_113454_000000403103_00267_48557_3523.N1	13-JUN-2011 11:34:54	Bright	40.000	73	57Gam1And	2.2600	13100.	80	48557	No
139	GOM_TRA_1PNPDK20110613_113713_000000553103_00267_48557_3524.N1	13-JUN-2011 11:37:13	Twilight	54.500	53	43Bet And	2.0480	3300.0	109	48557	No
140	GOM_TRA_1PNPDK20110613_114039_000000483103_00267_48557_3525.N1	13-JUN-2011 11:40:39	Twilight	47.500	50	13Alp Ari	2.0070	4250.0	95	48557	No
141	GOM_TRA_1PNPDK20110613_115559_000000523103_00267_48557_3526.N1	13-JUN-2011 11:55:59	Dark	52.000	52	16Bet Cet	2.0370	4500.0	104	48557	No
142	GOM_TRA_1PNPDK20110613_120217_000000443103_00267_48557_3527.N1	13-JUN-2011 12:02:17	Dark	43.500	84	Alp Phe	2.3970	4500.0	87	48557	No
143	GOM_TRA_1PNPDK20110613_120824_000000513103_00268_48558_3528.N1	13-JUN-2011 12:08:24	Dark	50.500	63	Bet Gru	2.1500	2800.0	101	48558	No
144	GOM_TRA_1PNPDK20110613_121027_000000493103_00268_48558_3529.N1	13-JUN-2011 12:10:27	Dark	49.000	31	Alp Gru	1.7340	15200.	98	48558	No
145	GOM_TRA_1PNPDK20110613_121212_000000573103_00268_48558_3530.N1	13-JUN-2011 12:12:12	Straylight	57.000	172	Gam Gru	3.0030	13100.	114	48558	No
146	GOM_TRA_1PNPDK20110613_121425_000000423103_00268_48558_3531.N1	13-JUN-2011 12:14:25	Straylight	42.000	45	Alp Pav	1.9400	26000.	84	48558	No
147	GOM_TRA_1PNPDK20110613_122423_000000463103_00268_48558_3532.N1	13-JUN-2011 12:24:23	Twilight	46.000	25	35Lam Sco	1.6200	28000.	92	48558	No
148	GOM_TRA_1PNPDK20110613_122605_000000623103_00268_48558_3533.N1	13-JUN-2011 12:26:05	Bright	61.500	57	34Sig Sgr	2.0660	26000.	123	48558	No
149	GOM_TRA_1PNPDK20110613_123101_000000413103_00268_48558_3546.N1	13-JUN-2011 12:31:01	Bright	40.500	86	35Eta Oph	2.4300	10200.	81	48558	No
150	GOM_TRA_1PNPDK20110613_123741_000000463103_00268_48558_3547.N1	13-JUN-2011 12:37:41	Bright	45.500	126	60Bet Oph	2.7700	4250.0	91	48558	No
151	GOM_TRA_1PNPDK20110613_124013_000000463103_00268_48558_3548.N1	13-JUN-2011 12:40:13	Bright	45.500	59	55Alp Oph	2.0800	8900.0	91	48558	No
152	GOM_TRA_1PNPDK20110613_124206_000000363103_00268_48558_3549.N1	13-JUN-2011 12:42:06	Bright	35.500	127	27Bet Her	2.7810	4700.0	71	48558	No
153	GOM_TRA_1PNPDK20110613_124510_000000393103_00268_48558_3550.N1	13-JUN-2011 12:45:10	Bright	39.000	133	40Zet Her	2.8070	6000.0	78	48558	No
154	GOM_TRA_1PNPDK20110613_125201_000000433103_00268_48558_3551.N1	13-JUN-2011 12:52:01	Bright	42.500	130	23Bet Dra	2.7990	5800.0	85	48558	No
155	GOM_TRA_1PNPDK20110613_125329_000000383103_00268_48558_3552.N1	13-JUN-2011 12:53:29	Bright	38.000	119	14Eta Dra	2.7270	4700.0	76	48558	No
156	GOM_TRA_1PNPDK20110613_130229_000000473103_00268_48558_3553.N1	13-JUN-2011 13:02:29	Bright	46.500	89	5Alp Cep	2.4510	8000.0	93	48558	No
157	GOM_TRA_1PNPDK20110613_130845_000000413103_00268_48558_3554.N1	13-JUN-2011 13:08:45	Bright	41.000	74	11Bet Cas	2.2680	6600.0	82	48558	No
158	GOM_TRA_1PNPDK20110613_131508_000000403103_00268_48558_3555.N1	13-JUN-2011 13:15:08	Bright	39.500	73	57Gam1And	2.2600	13100.	79	48558	No
159	GOM_TRA_1PNPDK20110613_131727_000000553103_00268_48558_3556.N1	13-JUN-2011 13:17:27	Twilight	54.500	53	43Bet And	2.0480	3300.0	109	48558	No
160	GOM_TRA_1PNPDK20110613_132054_000000463103_00268_48558_3557.N1	13-JUN-2011 13:20:54	Twilight	46.000	50	13Alp Ari	2.0070	4250.0	92	48558	No
161	GOM_TRA_1PNPDK20110613_133614_000000533103_00268_48558_3558.N1	13-JUN-2011 13:36:14	Dark	53.000	52	16Bet Cet	2.0370	4500.0	106	48558	No
162	GOM_TRA_1PNPDK20110613_134232_000000503103_00268_48558_3559.N1	13-JUN-2011 13:42:32	Dark	49.500	84	Alp Phe	2.3970	4500.0	99	48558	No
163	GOM_TRA_1PNPDK20110613_134839_000000503103_00269_48559_3560.N1	13-JUN-2011 13:48:39	Dark	49.500	63	Bet Gru	2.1500	2800.0	99	48559	No
164	GOM_TRA_1PNPDK20110613_135042_000000503103_00269_48559_3561.N1	13-JUN-2011 13:50:42	Dark	50.000	31	Alp Gru	1.7340	15200.	100	48559	No
165	GOM_TRA_1PNPDK20110613_135227_000000593103_00269_48559_3562.N1	13-JUN-2011 13:52:27	Straylight	59.000	172	Gam Gru	3.0030	13100.	118	48559	No
166	GOM_TRA_1PNPDK20110613_135440_000000423103_00269_48559_3563.N1	13-JUN-2011 13:54:40	Straylight	41.500	45	Alp Pav	1.9400	26000.	83	48559	No
167	GOM_TRA_1PNPDK20110613_140437_000000443103_00269_48559_3564.N1	13-JUN-2011 14:04:37	Twilight	44.000	25	35Lam Sco	1.6200	28000.	88	48559	No
168	GOM_TRA_1PNPDK20110613_140619_000000593103_00269_48559_3565.N1	13-JUN-2011 14:06:19	Bright	58.500	57	34Sig Sgr	2.0660	26000.	117	48559	No
169	GOM_TRA_1PNPDK20110613_141115_000000403103_00269_48559_3572.N1	13-JUN-2011 14:11:15	Bright	40.000	86	35Eta Oph	2.4300	10200.	80	48559	No
170	GOM_TRA_1PNPDK20110613_141755_000000453103_00269_48559_3573.N1	13-JUN-2011 14:17:55	Bright	45.000	126	60Bet Oph	2.7700	4250.0	90	48559	No
171	GOM_TRA_1PNPDK20110613_142027_000000443103_00269_48559_3574.N1	13-JUN-2011 14:20:27	Bright	43.500	59	55Alp Oph	2.0800	8900.0	87	48559	No
172	GOM_TRA_1PNPDK20110613_142220_000000373103_00269_48559_3575.N1	13-JUN-2011 14:22:20	Bright	36.500	127	27Bet Her	2.7810	4700.0	73	48559	No
173	GOM_TRA_1PNPDK20110613_142524_000000383103_00269_48559_3576.N1	13-JUN-2011 14:25:24	Bright	38.000	133	40Zet Her	2.8070	6000.0	76	48559	No
174	GOM_TRA_1PNPDK20110613_143215_000000423103_00269_48559_3577.N1	13-JUN-2011 14:32:15	Bright	42.000	130	23Bet Dra	2.7990	5800.0	84	48559	No
175	GOM_TRA_1PNPDK20110613_143343_000000373103_00269_48559_3578.N1	13-JUN-2011 14:33:43	Bright	37.000	119	14Eta Dra	2.7270	4700.0	74	48559	No
176	GOM_TRA_1PNPDK20110613_144242_000000483103_00269_48559_3579.N1	13-JUN-2011 14:42:42	Bright	48.000	89	5Alp Cep	2.4510	8000.0	96	48559	No
177	GOM_TRA_1PNPDK20110613_144859_000000643103_00269_48559_3580.N1	13-JUN-2011 14:48:59	Bright	64.000	74	11Bet Cas	2.2680	6600.0	128	48559	No
178	GOM_TRA_1PNPDK20110613_145522_000000573103_00269_48559_3581.N1	13-JUN-2011 14:55:22	Bright	57.000	73	57Gam1And	2.2600	13100.	114	48559	No
179	GOM_TRA_1PNPDK20110613_145742_000000513103_00269_48559_3582.N1	13-JUN-2011 14:57:42	Twilight	50.500	53	43Bet And	2.0480	3300.0	101	48559	No
180	GOM_TRA_1PNPDK20110613_150108_000000483103_00269_48559_3583.N1	13-JUN-2011 15:01:08	Twilight	48.000	50	13Alp Ari	2.0070	4250.0	96	48559	No
181	GOM_TRA_1PNPDK20110613_151629_000000533103_00269_48559_3584.N1	13-JUN-2011 15:16:29	Dark	53.000	52	16Bet Cet	2.0370	4500.0	106	48559	No
182	GOM_TRA_1PNPDK20110613_152247_000000493103_00269_48559_3585.N1	13-JUN-2011 15:22:47	Dark	48.500	84	Alp Phe	2.3970	4500.0	97	48559	No
183	GOM_TRA_1PNPDK20110613_152854_000000523103_00270_48560_3586.N1	13-JUN-2011 15:28:54	Dark	52.000	63	Bet Gru	2.1500	2800.0	104	48560	No
184	GOM_TRA_1PNPDK20110613_153057_000000483103_00270_48560_3587.N1	13-JUN-2011 15:30:57	Dark	48.000	31	Alp Gru	1.7340	15200.	96	48560	No
185	GOM_TRA_1PNPDK20110613_153242_000000583103_00270_48560_3588.N1	13-JUN-2011 15:32:42	Straylight	58.000	172	Gam Gru	3.0030	13100.	116	48560	No
186	GOM_TRA_1PNPDK20110613_153454_000000413103_00270_48560_3589.N1	13-JUN-2011 15:34:54	Straylight	41.000	45	Alp Pav	1.9400	26000.	82	48560	No
187	GOM_TRA_1PNPDK20110613_154451_000000473103_00270_48560_3590.N1	13-JUN-2011 15:44:51	Twilight	46.500	25	35Lam Sco	1.6200	28000.	93	48560	No
188	GOM_TRA_1PNPDK20110613_154634_000000733103_00270_48560_3646.N1	13-JUN-2011 15:46:34	Bright	73.000	57	34Sig Sgr	2.0660	26000.	146	48560	Yes
189	GOM_TRA_1PNPDK20110613_155129_000000403103_00270_48560_3647.N1	13-JUN-2011 15:51:29	Bright	40.000	86	35Eta Oph	2.4300	10200.	80	48560	No

190	GOM_TRA_1PNPDK20110613_155808_000000463103_00270_48560_3648.N1	13-JUN-2011 15:58:08	Bright	45.500	126	60Bet Oph	2.7700	4250.0	91	48560	No
191	GOM_TRA_1PNPDK20110613_160040_000000443103_00270_48560_3649.N1	13-JUN-2011 16:00:40	Bright	44.000	59	55Alp Oph	2.0800	8900.0	88	48560	No
192	GOM_TRA_1PNPDK20110613_160234_000000373103_00270_48560_3650.N1	13-JUN-2011 16:02:34	Bright	37.000	127	27Bet Her	2.7810	4700.0	74	48560	No
193	GOM_TRA_1PNPDK20110613_160537_000000413103_00270_48560_3651.N1	13-JUN-2011 16:05:37	Bright	40.500	133	40Zet Her	2.8070	6000.0	81	48560	No
194	GOM_TRA_1PNPDK20110613_161228_000000603103_00270_48560_3652.N1	13-JUN-2011 16:12:28	Bright	60.000	130	23Bet Dra	2.7990	5800.0	120	48560	No
195	GOM_TRA_1PNPDK20110613_161356_000000383103_00270_48560_3653.N1	13-JUN-2011 16:13:56	Bright	38.000	119	14Eta Dra	2.7270	4700.0	76	48560	No
196	GOM_TRA_1PNPDK20110613_162256_000000483103_00270_48560_3654.N1	13-JUN-2011 16:22:56	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	48560	No
197	GOM_TRA_1PNPDK20110613_162913_000000643103_00270_48560_3655.N1	13-JUN-2011 16:29:13	Bright	64.000	74	11Bet Cas	2.2680	6600.0	128	48560	No
198	GOM_TRA_1PNPDK20110613_163536_000000393103_00270_48560_3656.N1	13-JUN-2011 16:35:36	Bright	38.500	73	57Gam1And	2.2600	13100.	77	48560	No
199	GOM_TRA_1PNPDK20110613_163756_000000533103_00270_48560_3657.N1	13-JUN-2011 16:37:56	Twilight	52.500	53	43Bet And	2.0480	3300.0	105	48560	No
200	GOM_TRA_1PNPDK20110613_164122_000000483103_00270_48560_3658.N1	13-JUN-2011 16:41:22	Twilight	48.000	50	13Alp Ari	2.0070	4250.0	96	48560	No
201	GOM_TRA_1PNPDK20110613_165644_000000573103_00270_48560_3659.N1	13-JUN-2011 16:56:44	Dark	56.500	52	16Bet Cet	2.0370	4500.0	113	48560	No
202	GOM_TRA_1PNPDK20110613_170301_000000463103_00270_48560_3660.N1	13-JUN-2011 17:03:01	Dark	45.500	84	Alp Phe	2.3970	4500.0	91	48560	No
203	GOM_TRA_1PNPDK20110613_170909_000000603103_00271_48561_3661.N1	13-JUN-2011 17:09:09	Dark	59.500	63	Bet Gru	2.1500	2800.0	119	48561	No
204	GOM_TRA_1PNPDK20110613_171112_000000493103_00271_48561_3662.N1	13-JUN-2011 17:11:12	Dark	48.500	31	Alp Gru	1.7340	15200.	97	48561	No
205	GOM_TRA_1PNPDK20110613_171258_000000573103_00271_48561_3663.N1	13-JUN-2011 17:12:58	Straylight	56.500	172	Gam Gru	3.0030	13100.	113	48561	No
206	GOM_TRA_1PNPDK20110613_171509_000000413103_00271_48561_3664.N1	13-JUN-2011 17:15:09	Straylight	40.500	45	Alp Pav	1.9400	26000.	81	48561	No
207	GOM_TRA_1PNPDK20110613_172506_000000453103_00271_48561_3709.N1	13-JUN-2011 17:25:06	Twilight	45.000	25	35Lam Sco	1.6200	28000.	90	48561	No
208	GOM_TRA_1PNPDK20110613_172648_000000583103_00271_48561_3710.N1	13-JUN-2011 17:26:48	Bright	57.500	57	34Sig Sgr	2.0660	26000.	115	48561	No
209	GOM_TRA_1PNPDK20110613_173143_000000403103_00271_48561_3711.N1	13-JUN-2011 17:31:43	Bright	40.000	86	35Eta Oph	2.4300	10200.	80	48561	No
210	GOM_TRA_1PNPDK20110613_173822_000000453103_00271_48561_3712.N1	13-JUN-2011 17:38:22	Bright	44.500	126	60Bet Oph	2.7700	4250.0	89	48561	No
211	GOM_TRA_1PNPDK20110613_174054_000000453103_00271_48561_3713.N1	13-JUN-2011 17:40:54	Bright	45.000	59	55Alp Oph	2.0800	8900.0	90	48561	No
212	GOM_TRA_1PNPDK20110613_174248_000000403103_00271_48561_3714.N1	13-JUN-2011 17:42:48	Bright	39.500	127	27Bet Her	2.7810	4700.0	79	48561	No
213	GOM_TRA_1PNPDK20110613_174551_000000403103_00271_48561_3715.N1	13-JUN-2011 17:45:51	Bright	39.500	133	40Zet Her	2.8070	6000.0	79	48561	No
214	GOM_TRA_1PNPDK20110613_175242_000000433103_00271_48561_3716.N1	13-JUN-2011 17:52:42	Bright	42.500	130	23Bet Dra	2.7990	5800.0	85	48561	No
215	GOM_TRA_1PNPDK20110613_175410_000000423103_00271_48561_3717.N1	13-JUN-2011 17:54:10	Bright	42.000	119	14Eta Dra	2.7270	4700.0	84	48561	No
216	GOM_TRA_1PNPDK20110613_180309_000000493103_00271_48561_3718.N1	13-JUN-2011 18:03:09	Bright	48.500	89	5Alp Cep	2.4510	8000.0	97	48561	No
217	GOM_TRA_1PNPDK20110613_180926_000000643103_00271_48561_3719.N1	13-JUN-2011 18:09:26	Bright	64.000	74	11Bet Cas	2.2680	6600.0	128	48561	No
218	GOM_TRA_1PNPDK20110613_181550_000000403103_00271_48561_3720.N1	13-JUN-2011 18:15:50	Bright	40.000	73	57Gam1And	2.2600	13100.	80	48561	No
219	GOM_TRA_1PNPDK20110613_181810_000000583103_00271_48561_3721.N1	13-JUN-2011 18:18:10	Twilight	57.500	53	43Bet And	2.0480	3300.0	115	48561	No
220	GOM_TRA_1PNPDK20110613_182136_000000503103_00271_48561_3722.N1	13-JUN-2011 18:21:36	Twilight	50.000	50	13Alp Ari	2.0070	4250.0	100	48561	No
221	GOM_TRA_1PNPDK20110613_183659_000000553103_00271_48561_3723.N1	13-JUN-2011 18:36:59	Dark	54.500	52	16Bet Cet	2.0370	4500.0	109	48561	No
222	GOM_TRA_1PNPDK20110613_184316_000000503103_00271_48561_3724.N1	13-JUN-2011 18:43:16	Dark	50.000	84	Alp Phe	2.3970	4500.0	100	48561	No
223	GOM_TRA_1PNPDK20110613_184924_000000543103_00272_48562_3725.N1	13-JUN-2011 18:49:24	Dark	54.000	63	Bet Gru	2.1500	2800.0	108	48562	No
224	GOM_TRA_1PNPDK20110613_185127_000000483103_00272_48562_3726.N1	13-JUN-2011 18:51:27	Dark	48.000	31	Alp Gru	1.7340	15200.	96	48562	No
225	GOM_TRA_1PNPDK20110613_185313_000000603103_00272_48562_3727.N1	13-JUN-2011 18:53:13	Straylight	59.500	172	Gam Gru	3.0030	13100.	119	48562	No
226	GOM_TRA_1PNPDK20110613_185524_000000433103_00272_48562_3728.N1	13-JUN-2011 18:55:24	Straylight	42.500	45	Alp Pav	1.9400	26000.	85	48562	No
227	GOM_TRA_1PNPDK20110613_190520_000000453103_00272_48562_3751.N1	13-JUN-2011 19:05:20	Twilight	45.000	25	35Lam Sco	1.6200	28000.	90	48562	No
228	GOM_TRA_1PNPDK20110613_190703_000000673103_00272_48562_3752.N1	13-JUN-2011 19:07:03	Bright	66.500	57	34Sig Sgr	2.0660	26000.	133	48562	No
229	GOM_TRA_1PNPDK20110613_191157_000000403103_00272_48562_3753.N1	13-JUN-2011 19:11:57	Bright	40.000	86	35Eta Oph	2.4300	10200.	80	48562	No
230	GOM_TRA_1PNPDK20110613_191836_000000453103_00272_48562_3754.N1	13-JUN-2011 19:18:36	Bright	44.500	126	60Bet Oph	2.7700	4250.0	89	48562	No
231	GOM_TRA_1PNPDK20110613_192108_000000453103_00272_48562_3755.N1	13-JUN-2011 19:21:08	Bright	44.500	59	55Alp Oph	2.0800	8900.0	89	48562	No
232	GOM_TRA_1PNPDK20110613_192302_000000383103_00272_48562_3756.N1	13-JUN-2011 19:23:02	Bright	37.500	127	27Bet Her	2.7810	4700.0	75	48562	No
233	GOM_TRA_1PNPDK20110613_192605_000000393103_00272_48562_3757.N1	13-JUN-2011 19:26:05	Bright	38.500	133	40Zet Her	2.8070	6000.0	77	48562	No
234	GOM_TRA_1PNPDK20110613_193256_000000423103_00272_48562_3758.N1	13-JUN-2011 19:32:56	Bright	41.500	130	23Bet Dra	2.7990	5800.0	83	48562	No
235	GOM_TRA_1PNPDK20110613_193424_000000363103_00272_48562_3759.N1	13-JUN-2011 19:34:24	Bright	35.500	119	14Eta Dra	2.7270	4700.0	71	48562	No
236	GOM_TRA_1PNPDK20110613_194322_000000473103_00272_48562_3760.N1	13-JUN-2011 19:43:22	Bright	47.000	89	5Alp Cep	2.4510	8000.0	94	48562	No
237	GOM_TRA_1PNPDK20110613_194940_000000643103_00272_48562_3761.N1	13-JUN-2011 19:49:40	Bright	64.000	74	11Bet Cas	2.2680	6600.0	128	48562	No
238	GOM_TRA_1PNPDK20110613_195605_000000403103_00272_48562_3762.N1	13-JUN-2011 19:56:05	Bright	39.500	73	57Gam1And	2.2600	13100.	79	48562	No
239	GOM_TRA_1PNPDK20110613_195824_000000593103_00272_48562_3763.N1	13-JUN-2011 19:58:24	Twilight	58.500	53	43Bet And	2.0480	3300.0	117	48562	No
240	GOM_TRA_1PNPDK20110613_200151_000000503103_00272_48562_3764.N1	13-JUN-2011 20:01:51	Twilight	49.500	50	13Alp Ari	2.0070	4250.0	99	48562	No
241	GOM_TRA_1PNPDK20110613_201715_000000543103_00272_48562_3765.N1	13-JUN-2011 20:17:15	Dark	54.000	52	16Bet Cet	2.0370	4500.0	108	48562	No
242	GOM_TRA_1PNPDK20110613_202331_000000513103_00272_48562_3766.N1	13-JUN-2011 20:23:31	Dark	50.500	84	Alp Phe	2.3970	4500.0	101	48562	No
243	GOM_TRA_1PNPDK20110613_202939_000000533103_00273_48563_3767.N1	13-JUN-2011 20:29:39	Dark	53.000	63	Bet Gru	2.1500	2800.0	106	48563	No
244	GOM_TRA_1PNPDK20110613_203141_000000503103_00273_48563_3768.N1	13-JUN-2011 20:31:41	Dark	49.500	31	Alp Gru	1.7340	15200.	99	48563	No
245	GOM_TRA_1PNPDK20110613_203329_000000583103_00273_48563_3769.N1	13-JUN-2011 20:33:29	Straylight	58.000	172	Gam Gru	3.0030	13100.	116	48563	No
246	GOM_TRA_1PNPDK20110613_203538_000000423103_00273_48563_3770.N1	13-JUN-2011 20:35:38	Straylight	41.500	45	Alp Pav	1.9400	26000.	83	48563	No
247	GOM_TRA_1PNPDE20110613_204534_000000463103_00273_48563_5295.N1	13-JUN-2011 20:45:34	Twilight	45.500	25	35Lam Sco	1.6200	28000.	91	48563	No
248	GOM_TRA_1PNPDE20110613_204717_000000613103_00273_48563_5296.N1	13-JUN-2011 20:47:17	Bright	61.000	57	34Sig Sgr	2.0660	26000.	122	48563	No

249	GOM_TRA_1PNPDE20110613_205211_000000393103_00273_48563_5297.N1	13-JUN-2011 20:52:11	Bright	39.000	86	35Eta Oph	2.4300	10200.	78	48563	No
250	GOM_TRA_1PNPDE20110613_205849_000000453103_00273_48563_5298.N1	13-JUN-2011 20:58:49	Bright	44.500	126	60Bet Oph	2.7700	4250.0	89	48563	No
251	GOM_TRA_1PNPDE20110613_210121_000000463103_00273_48563_5299.N1	13-JUN-2011 21:01:21	Bright	46.000	59	55Alp Oph	2.0800	8900.0	92	48563	No
252	GOM_TRA_1PNPDE20110613_210316_000000393103_00273_48563_5300.N1	13-JUN-2011 21:03:16	Bright	39.000	127	27Bet Her	2.7810	4700.0	78	48563	No
253	GOM_TRA_1PNPDE20110613_210619_000000393103_00273_48563_5301.N1	13-JUN-2011 21:06:19	Bright	38.500	133	40Zet Her	2.8070	6000.0	77	48563	No
254	GOM_TRA_1PNPDE20110613_211309_000000413103_00273_48563_5302.N1	13-JUN-2011 21:13:09	Bright	41.000	130	23Bet Dra	2.7990	5800.0	82	48563	No
255	GOM_TRA_1PNPDE20110613_211438_000000403103_00273_48563_5303.N1	13-JUN-2011 21:14:38	Bright	39.500	119	14Eta Dra	2.7270	4700.0	79	48563	No
256	GOM_TRA_1PNPDE20110613_212336_000000503103_00273_48563_5304.N1	13-JUN-2011 21:23:36	Bright	49.500	89	5Alp Cep	2.4510	8000.0	99	48563	No
257	GOM_TRA_1PNPDE20110613_212954_000000423103_00273_48563_5305.N1	13-JUN-2011 21:29:54	Bright	41.500	74	11Bet Cas	2.2680	6600.0	83	48563	No
258	GOM_TRA_1PNPDE20110613_213618_000000403103_00273_48563_5306.N1	13-JUN-2011 21:36:18	Bright	40.000	73	57Gam1And	2.2600	13100.	80	48563	No
259	GOM_TRA_1PNPDE20110613_213838_000000543103_00273_48563_5307.N1	13-JUN-2011 21:38:38	Twilight	54.000	53	43Bet And	2.0480	3300.0	108	48563	No
260	GOM_TRA_1PNPDE20110613_214205_000000503103_00273_48563_5308.N1	13-JUN-2011 21:42:05	Twilight	49.500	50	13Alp Ari	2.0070	4250.0	99	48563	No
261	GOM_TRA_1PNPDE20110613_215729_000000543103_00273_48563_5309.N1	13-JUN-2011 21:57:29	Dark	53.500	52	16Bet Cet	2.0370	4500.0	107	48563	No
262	GOM_TRA_1PNPDE20110613_220346_000000513103_00273_48563_5310.N1	13-JUN-2011 22:03:46	Dark	51.000	84	Alp Phe	2.3970	4500.0	102	48563	No
263	GOM_TRA_1PNPDE20110613_220954_000000583103_00274_48564_5311.N1	13-JUN-2011 22:09:54	Dark	57.500	63	Bet Gru	2.1500	2800.0	115	48564	No
264	GOM_TRA_1PNPDE20110613_221156_000000523103_00274_48564_5312.N1	13-JUN-2011 22:11:56	Dark	51.500	31	Alp Gru	1.7340	15200.	103	48564	No
265	GOM_TRA_1PNPDE20110613_221344_000000563103_00274_48564_5313.N1	13-JUN-2011 22:13:44	Straylight	56.000	172	Gam Gru	3.0030	13100.	112	48564	No
266	GOM_TRA_1PNPDE20110613_221553_000000413103_00274_48564_5314.N1	13-JUN-2011 22:15:53	Straylight	41.000	45	Alp Pav	1.9400	26000.	82	48564	No
267	GOM_TRA_1PNPDE20110613_222549_000000453103_00274_48564_5315.N1	13-JUN-2011 22:25:49	Twilight	45.000	25	35Lam Sco	1.6200	28000.	90	48564	No
268	GOM_TRA_1PNPDE20110613_222731_000000693103_00274_48564_5316.N1	13-JUN-2011 22:27:31	Bright	69.000	57	34Sig Sgr	2.0660	26000.	138	48564	No
269	GOM_TRA_1PNPDE20110613_223225_000000393103_00274_48564_5317.N1	13-JUN-2011 22:32:25	Bright	39.000	86	35Eta Oph	2.4300	10200.	78	48564	No
270	GOM_TRA_1PNPDE20110613_223903_000000483103_00274_48564_5318.N1	13-JUN-2011 22:39:03	Bright	48.000	126	60Bet Oph	2.7700	4250.0	96	48564	No
271	GOM_TRA_1PNPDE20110613_224135_000000433103_00274_48564_5319.N1	13-JUN-2011 22:41:35	Bright	43.000	59	55Alp Oph	2.0800	8900.0	86	48564	No
272	GOM_TRA_1PNPDE20110613_224330_000000393103_00274_48564_5320.N1	13-JUN-2011 22:43:30	Bright	39.000	127	27Bet Her	2.7810	4700.0	78	48564	No
273	GOM_TRA_1PNPDE20110613_224633_000000383103_00274_48564_5321.N1	13-JUN-2011 22:46:33	Bright	37.500	133	40Zet Her	2.8070	6000.0	75	48564	No
274	GOM_TRA_1PNPDE20110613_225323_000000413103_00274_48564_5322.N1	13-JUN-2011 22:53:23	Bright	41.000	130	23Bet Dra	2.7990	5800.0	82	48564	No
275	GOM_TRA_1PNPDE20110613_225452_000000383103_00274_48564_5323.N1	13-JUN-2011 22:54:52	Bright	38.000	119	14Eta Dra	2.7270	4700.0	76	48564	No
276	GOM_TRA_1PNPDE20110613_230349_000000463103_00274_48564_5324.N1	13-JUN-2011 23:03:49	Bright	45.500	89	5Alp Cep	2.4510	8000.0	91	48564	No
277	GOM_TRA_1PNPDE20110613_231007_000000513103_00274_48564_5325.N1	13-JUN-2011 23:10:07	Bright	51.000	74	11Bet Cas	2.2680	6600.0	102	48564	No
278	GOM_TRA_1PNPDE20110613_231632_000000443103_00274_48564_5326.N1	13-JUN-2011 23:16:32	Bright	43.500	73	57Gam1And	2.2600	13100.	87	48564	No
279	GOM_TRA_1PNPDE20110613_231852_000000523103_00274_48564_5327.N1	13-JUN-2011 23:18:52	Twilight	51.500	53	43Bet And	2.0480	3300.0	103	48564	No
280	GOM_TRA_1PNPDE20110613_232219_000000473103_00274_48564_5328.N1	13-JUN-2011 23:22:19	Twilight	46.500	50	13Alp Ari	2.0070	4250.0	93	48564	No
281	GOM_TRA_1PNPDE20110613_233744_000000563103_00274_48564_5330.N1	13-JUN-2011 23:37:44	Dark	55.500	52	16Bet Cet	2.0370	4500.0	111	48564	No
282	GOM_TRA_1PNPDE20110613_234401_000000433103_00274_48564_5331.N1	13-JUN-2011 23:44:01	Dark	42.500	84	Alp Phe	2.3970	4500.0	85	48564	No
283	GOM_TRA_1PNPDE20110613_235009_000000583103_00275_48565_5332.N1	13-JUN-2011 23:50:09	Dark	58.000	63	Bet Gru	2.1500	2800.0	116	48565	No
284	GOM_TRA_1PNPDE20110613_235211_000000473103_00275_48565_5333.N1	13-JUN-2011 23:52:11	Dark	47.000	31	Alp Gru	1.7340	15200.	94	48565	No
285	GOM_TRA_1PNPDE20110613_235359_000000583103_00275_48565_5334.N1	13-JUN-2011 23:53:59	Straylight	57.500	172	Gam Gru	3.0030	13100.	115	48565	No
286	GOM_TRA_1PNPDE20110613_235607_000000423103_00275_48565_5335.N1	13-JUN-2011 23:56:07	Straylight	42.000	45	Alp Pav	1.9400	26000.	84	48565	No

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



4. Overview of dark signal processing per product

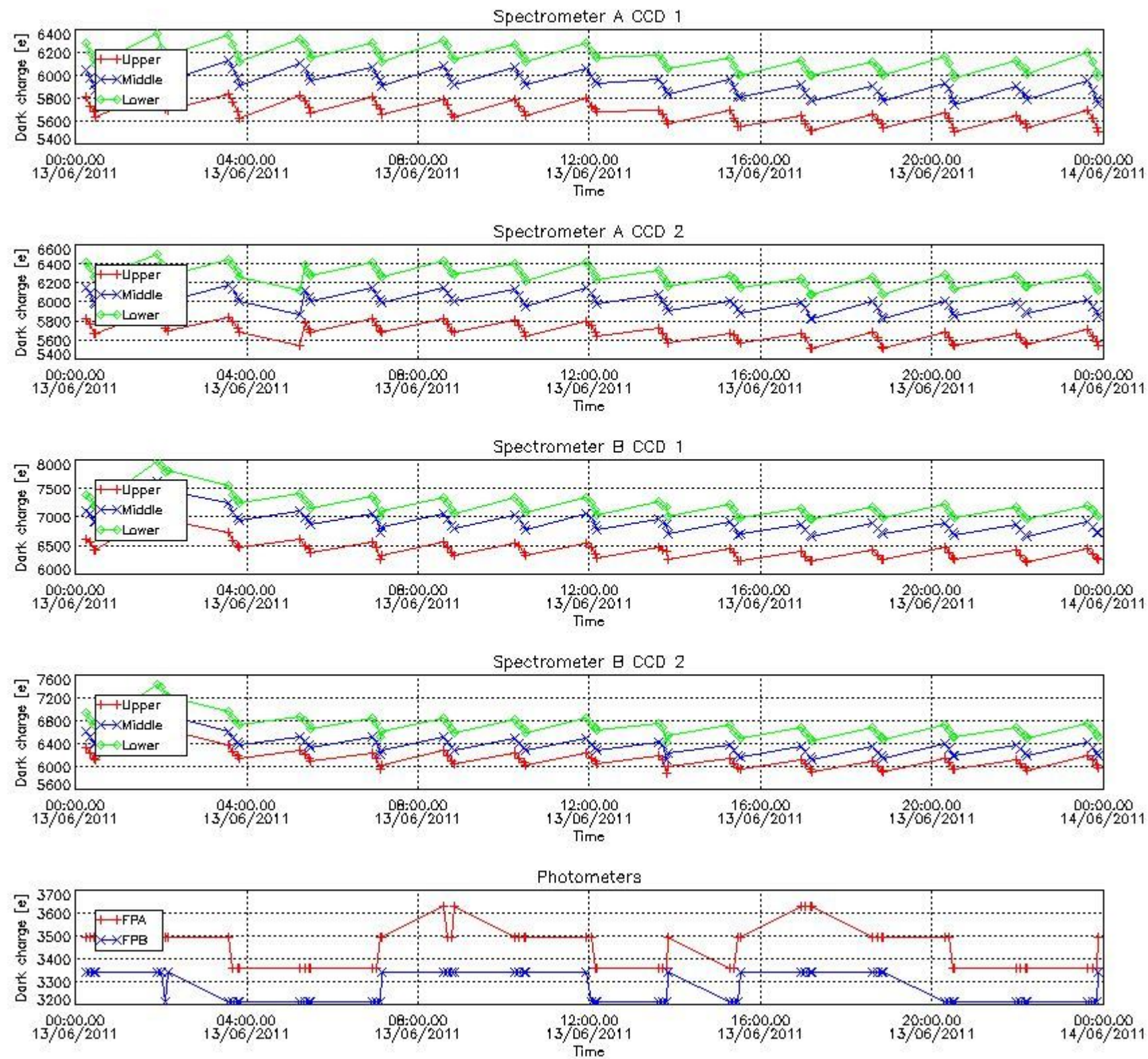
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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_1PNPDE20110613_204534_000000463103_00273_48563_5295.N1	DC map used
GOM_TRA_1PNPDE20110613_204717_000000613103_00273_48563_5296.N1	DC map used
GOM_TRA_1PNPDE20110613_205211_000000393103_00273_48563_5297.N1	DC map used
GOM_TRA_1PNPDE20110613_205849_000000453103_00273_48563_5298.N1	DC map used
GOM_TRA_1PNPDE20110613_210121_000000463103_00273_48563_5299.N1	DC map used
GOM_TRA_1PNPDE20110613_210316_000000393103_00273_48563_5300.N1	DC map used
GOM_TRA_1PNPDE20110613_210619_000000393103_00273_48563_5301.N1	DC map used
GOM_TRA_1PNPDE20110613_211309_000000413103_00273_48563_5302.N1	DC map used
GOM_TRA_1PNPDE20110613_211438_000000403103_00273_48563_5303.N1	DC map used
GOM_TRA_1PNPDE20110613_212336_000000503103_00273_48563_5304.N1	DC map used
GOM_TRA_1PNPDE20110613_212954_000000423103_00273_48563_5305.N1	DC map used
GOM_TRA_1PNPDE20110613_213618_000000403103_00273_48563_5306.N1	DC map used
GOM_TRA_1PNPDE20110613_213838_000000543103_00273_48563_5307.N1	DC map used
GOM_TRA_1PNPDE20110613_214205_000000503103_00273_48563_5308.N1	DC map used

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



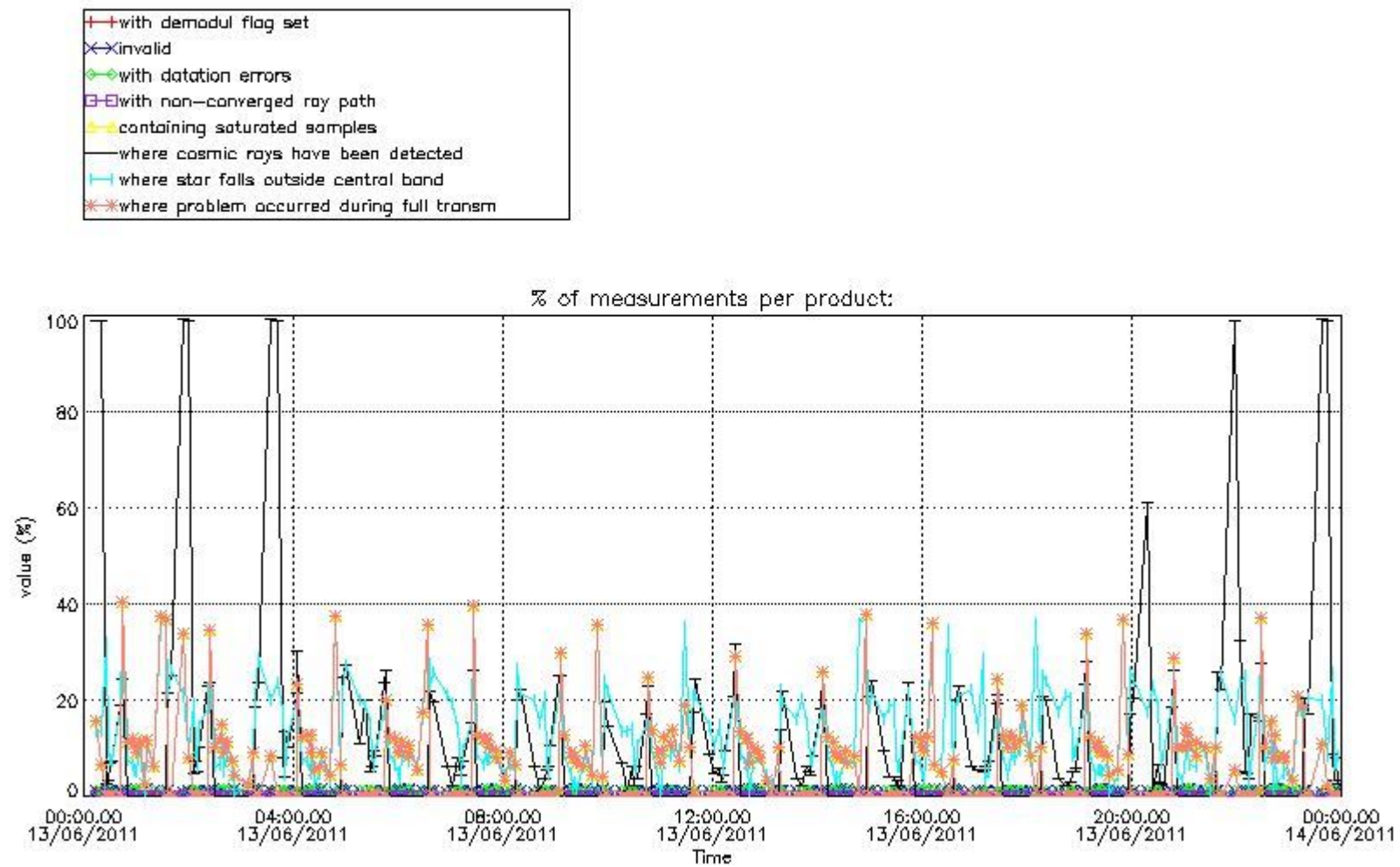
5. Demodulation flag and quality information monitoring

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.

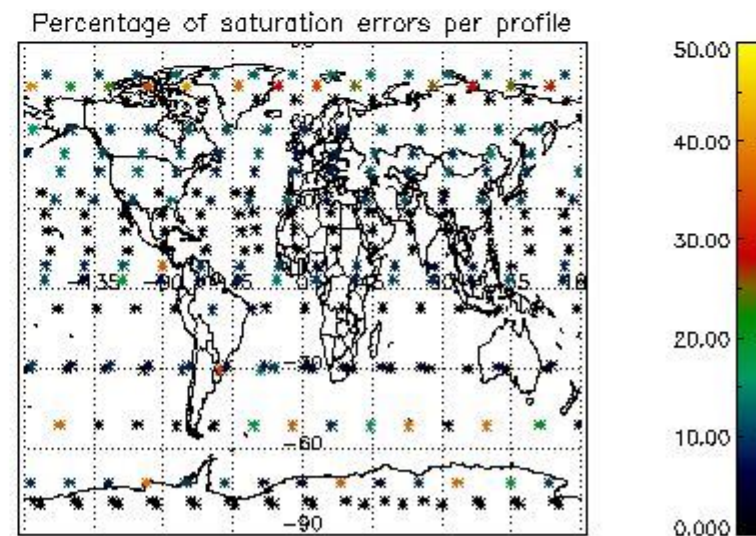
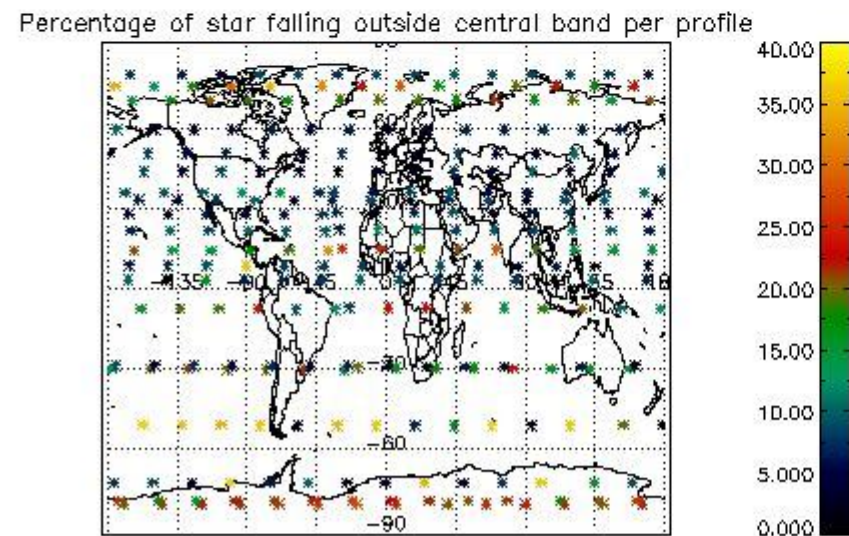
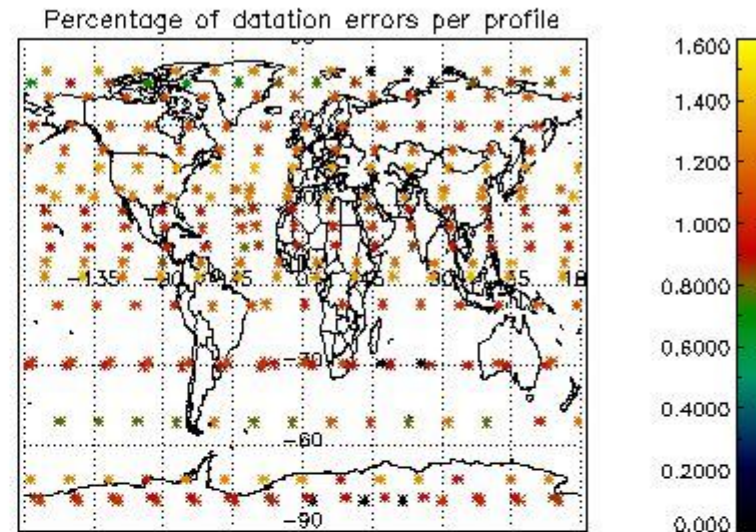
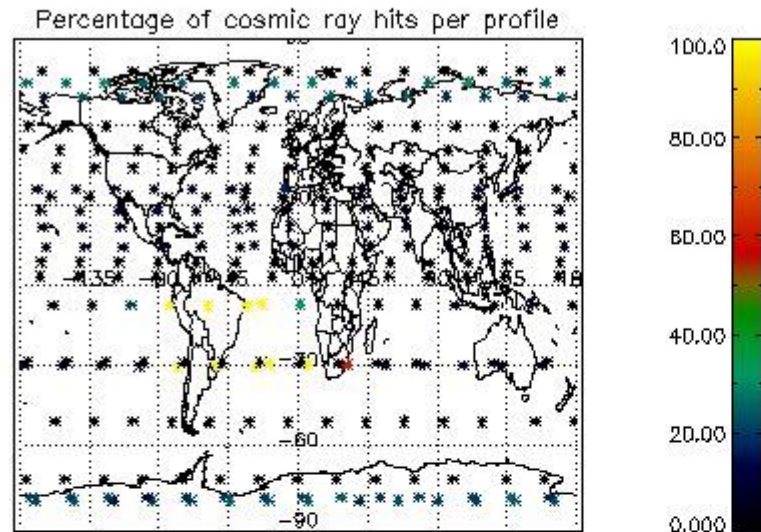
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	45.4225 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	53.5211 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)



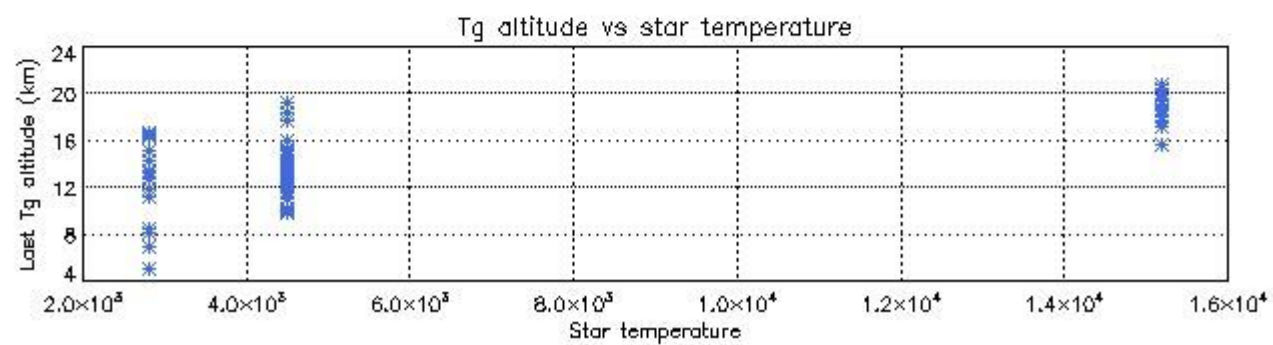
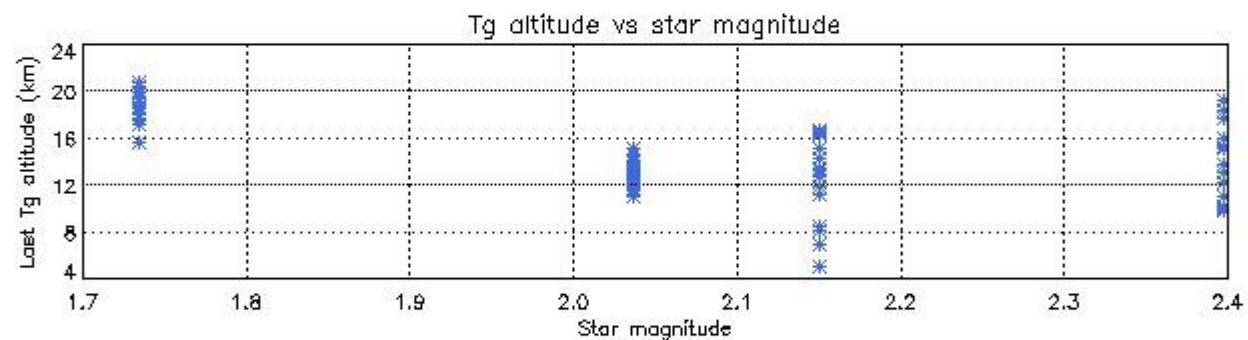
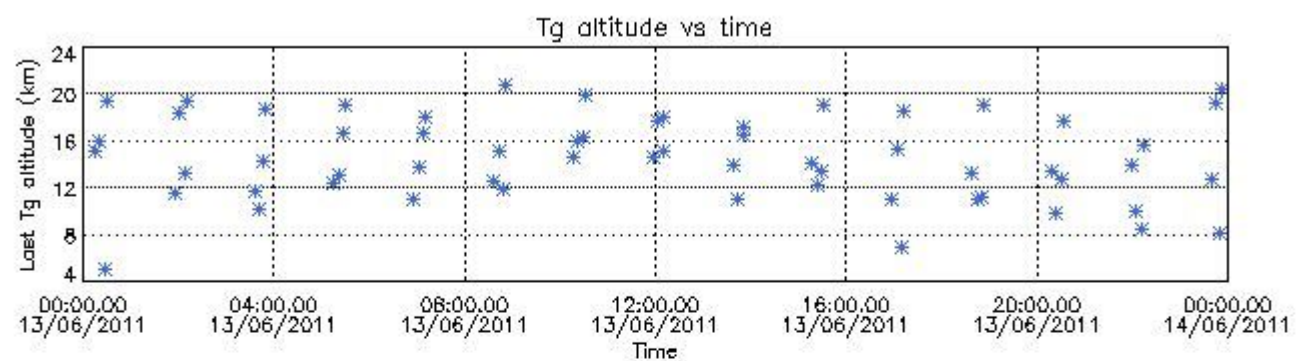
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	14.518	18.492	9.8693
St. deviation:	3.5865	5.8673	1.3839
Maximum:	20.748	27.435	11.944
Minimum:	5.0125	2.7998	7.4506
Number of data:	60.000	152.00	14.000

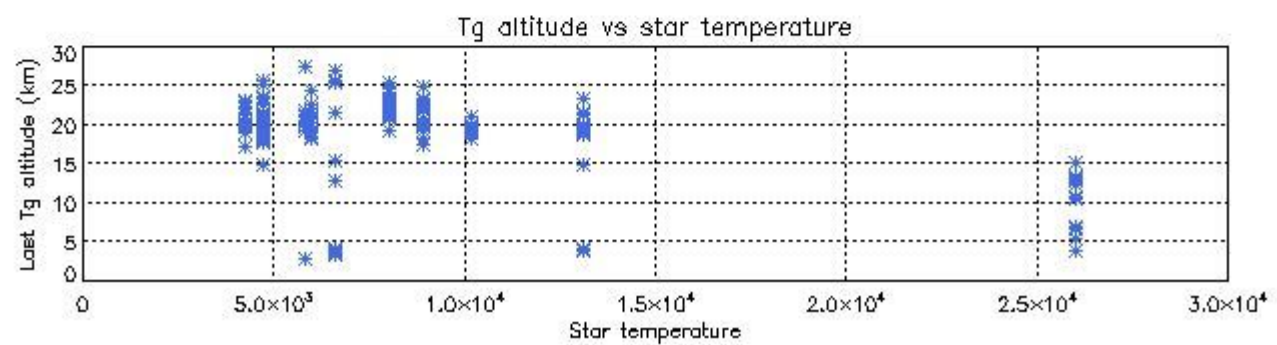
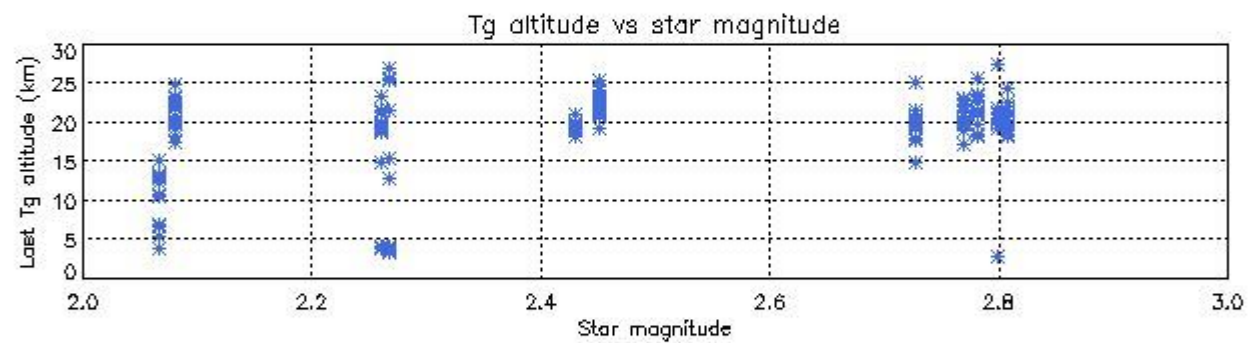
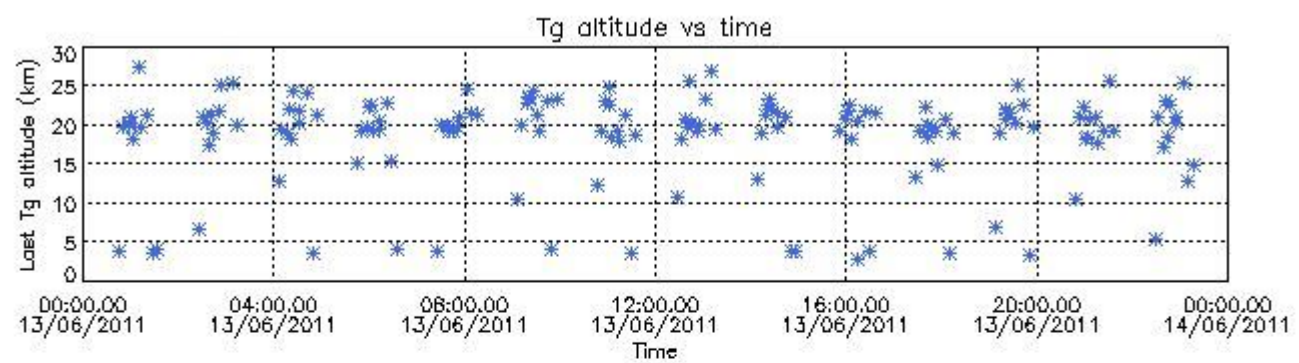
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



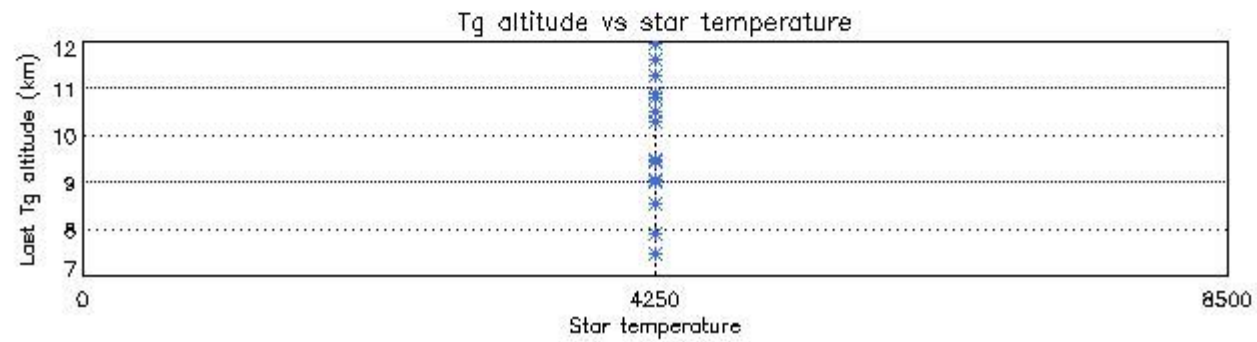
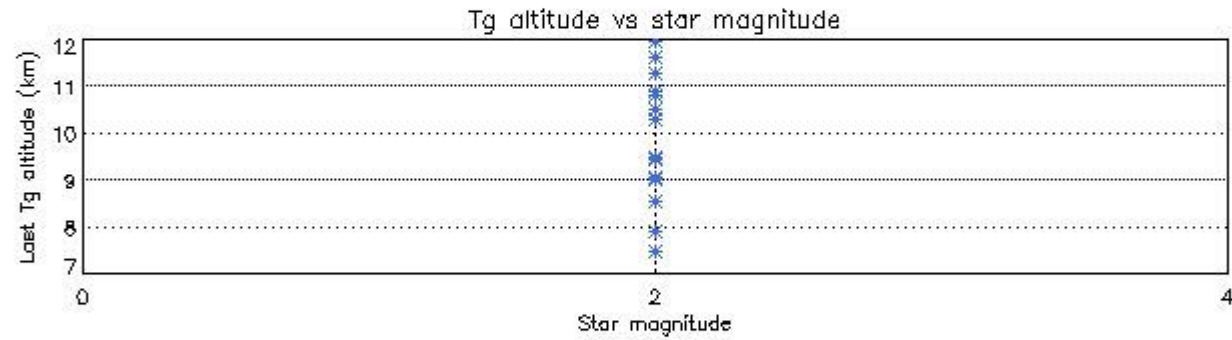
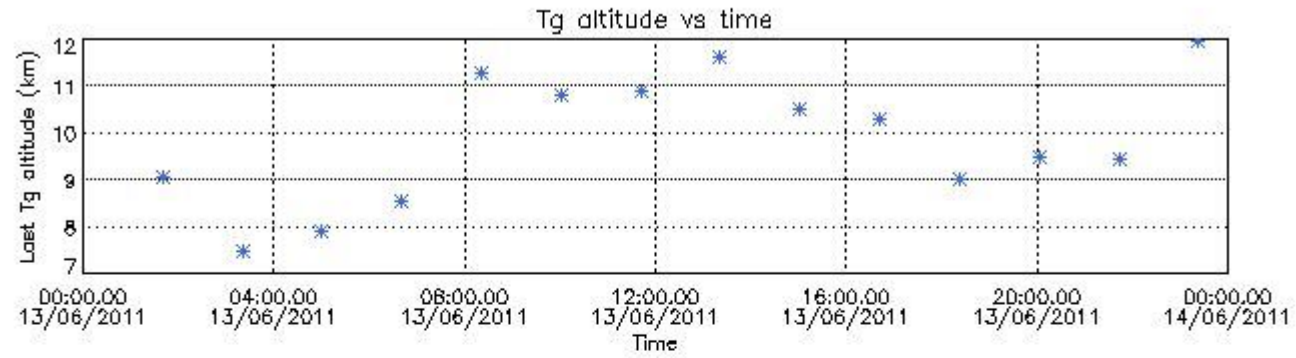
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

Tangent altitude at which the star is lost

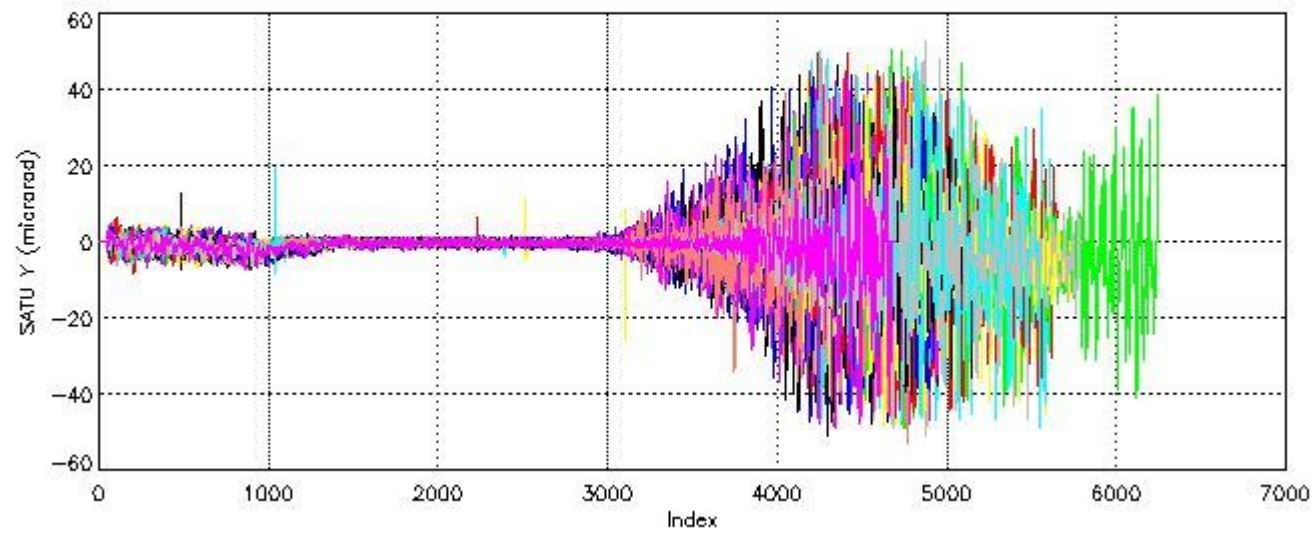
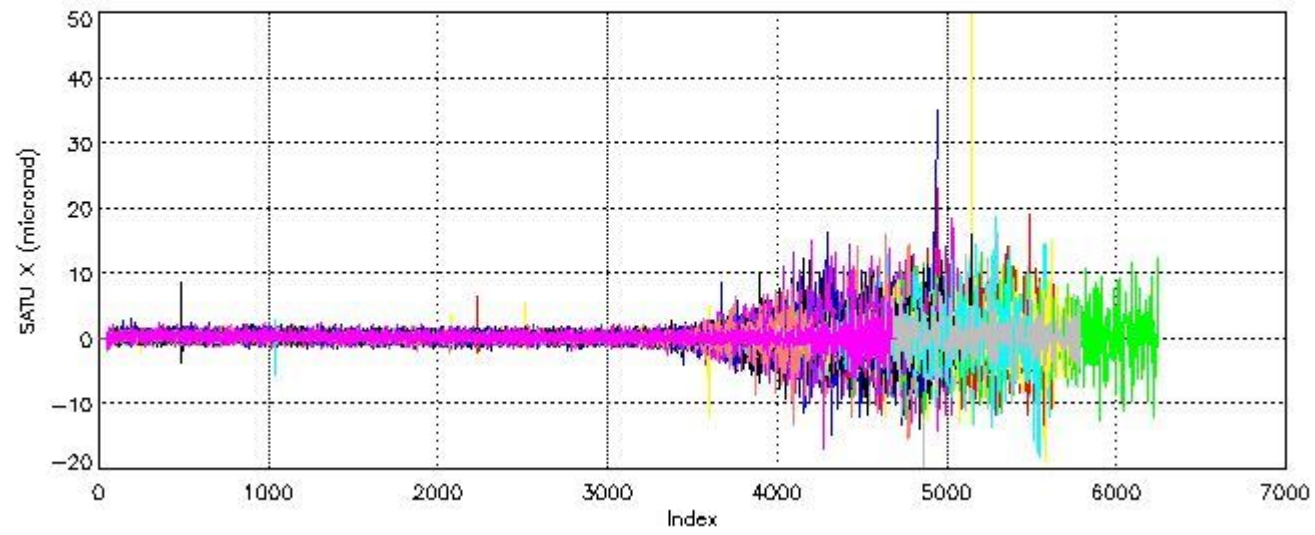


7. Star Acquisition and Tracking Unit (SATU)

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

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

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



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

The Star Acquisition and Tracking Unit (it is the CCD that tracks the star while it is occulted) Noise Equivalent Angle consists of the statistical angular variation of the SATU data above the atmosphere. Statistics (in microradians) above 105 km are computed for every occultation, giving four values per occultation: one in the 'X' direction and one in the 'Y' direction for dark and bright limbs. A mean value per day in every direction and limb is calculated and monitored in order to assess instrument performance in terms of star pointing.

7.2.1 SATU NEA Statistics (table)

Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	0.28738	-1.3083	0.26374	-1.4142
St. deviation:	0.35159	1.5871	0.74382	1.6955
Maximum:	8.6000	19.500	6.9000	11.000
Minimum:	-5.5000	-8.3000	-14.200	-10.300

Number of data:	65950.	65950.	1.5325E+05	1.5325E+05
90Percentile:	0.70000	0.60000	1.3000	0.60000

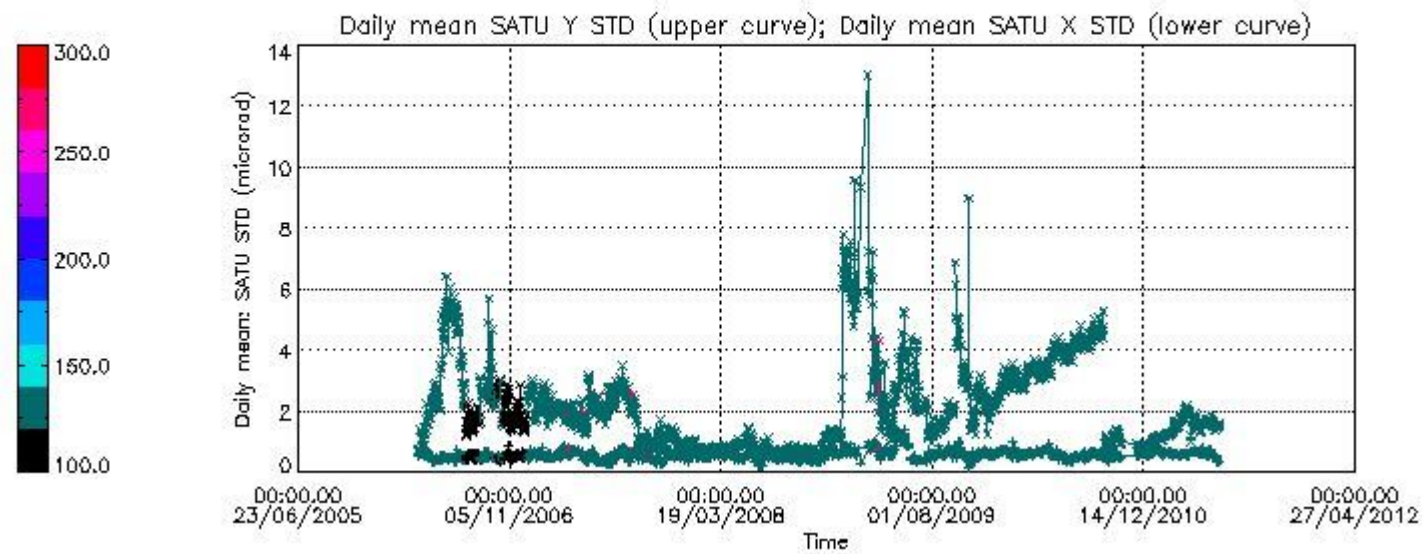
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb) and of daily SATU NEA 90th percentile since May 2011

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.

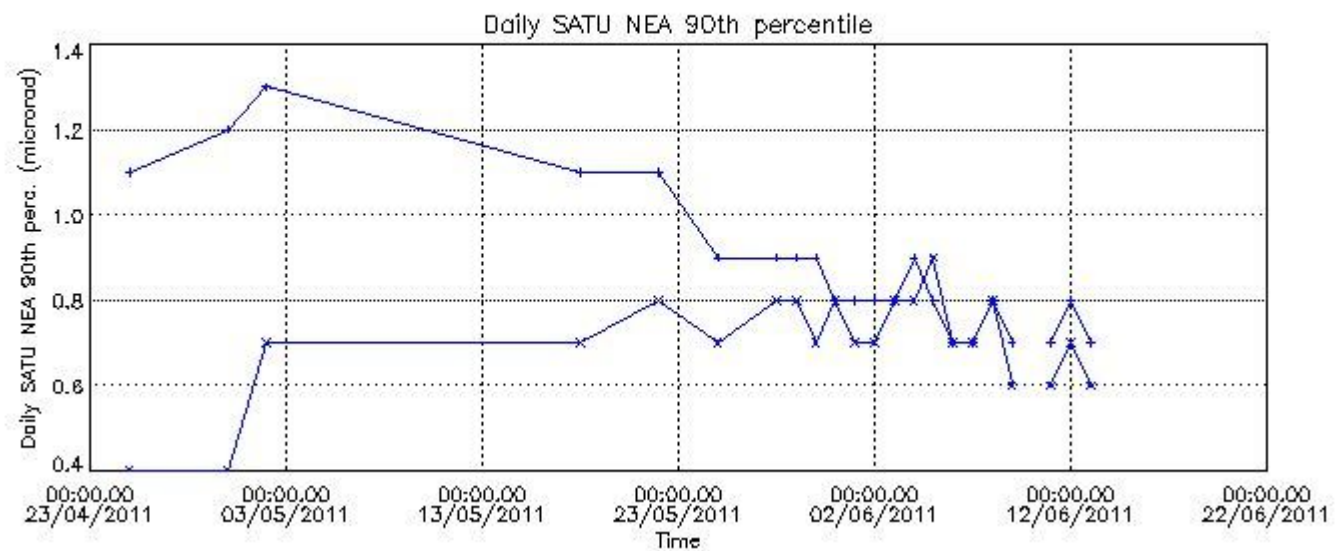
Upper curve: STD of SATU Y axis

Lower curve: STD of SATU X axis



Lower curve: 90th percentile of SATU Y axis

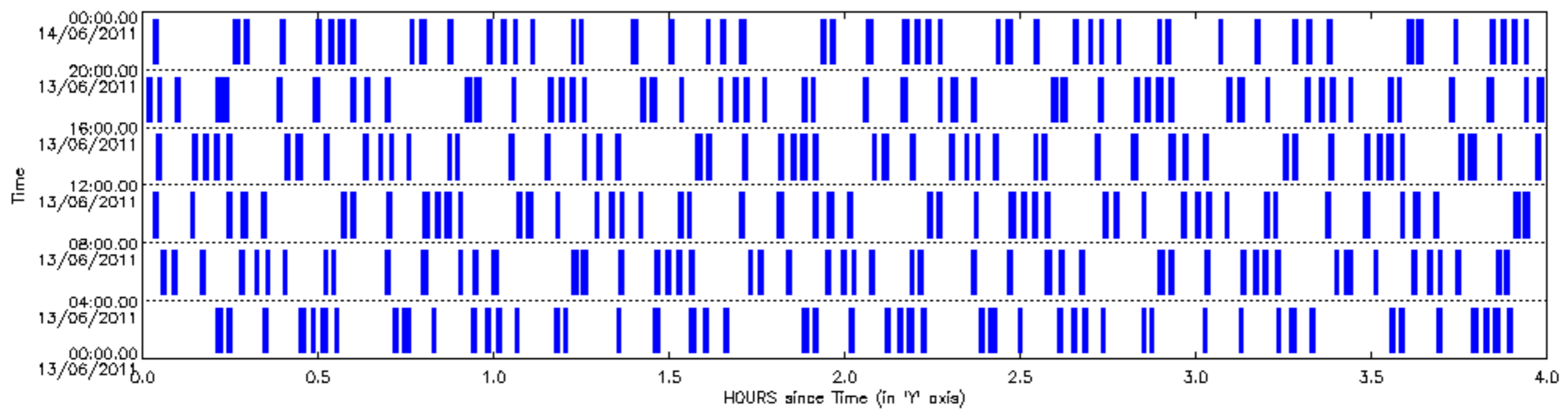
Upper curve: 90th percentile of SATU X axis

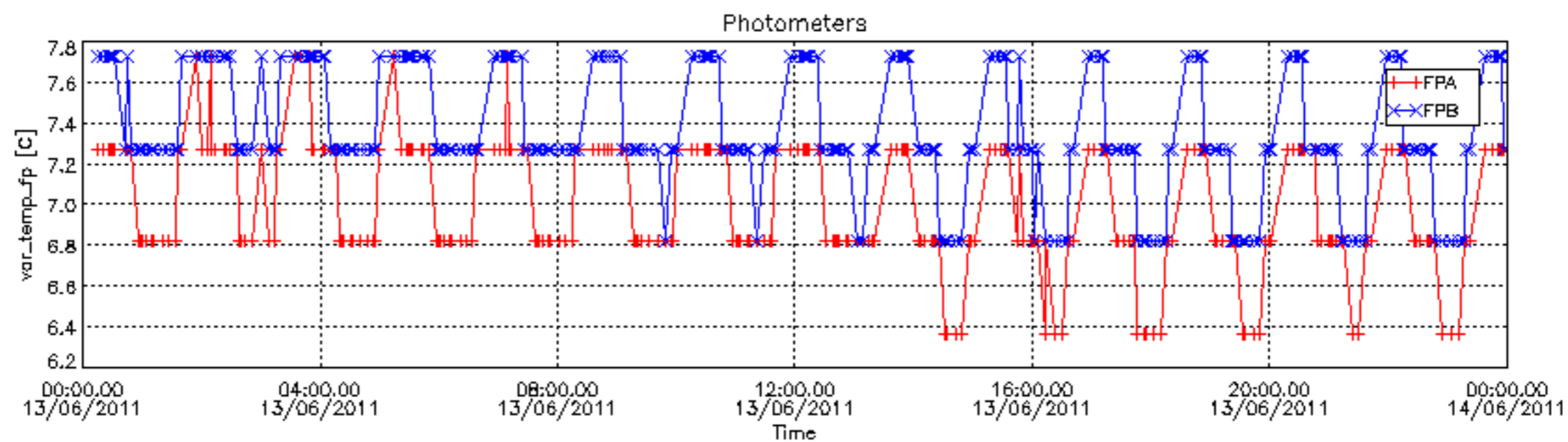
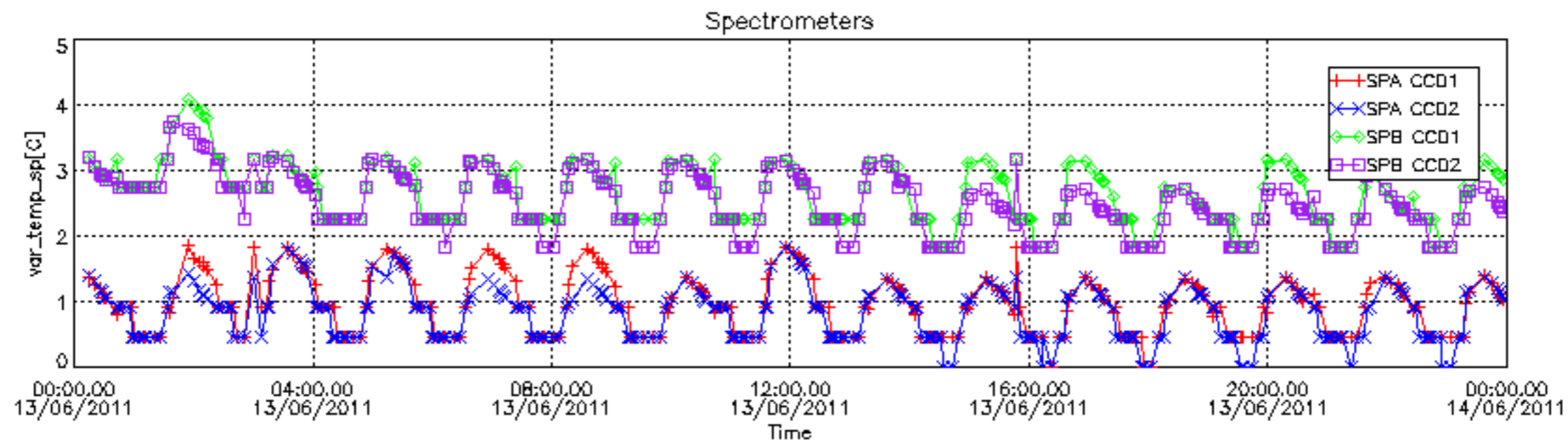


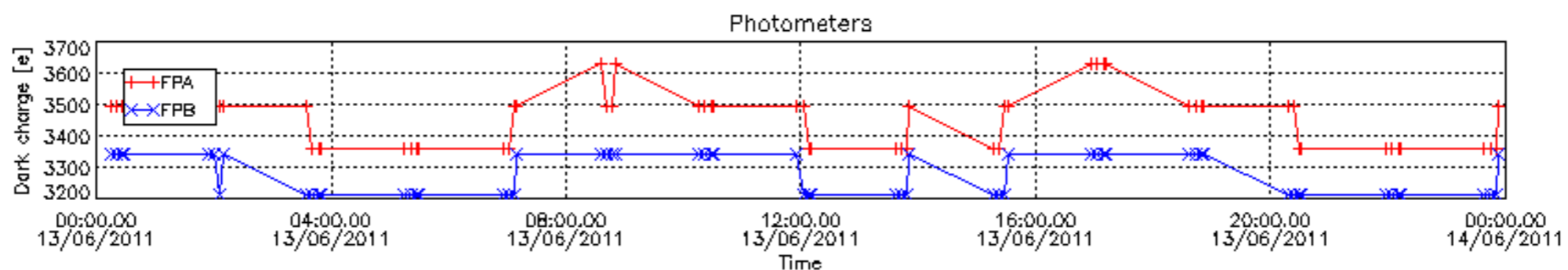
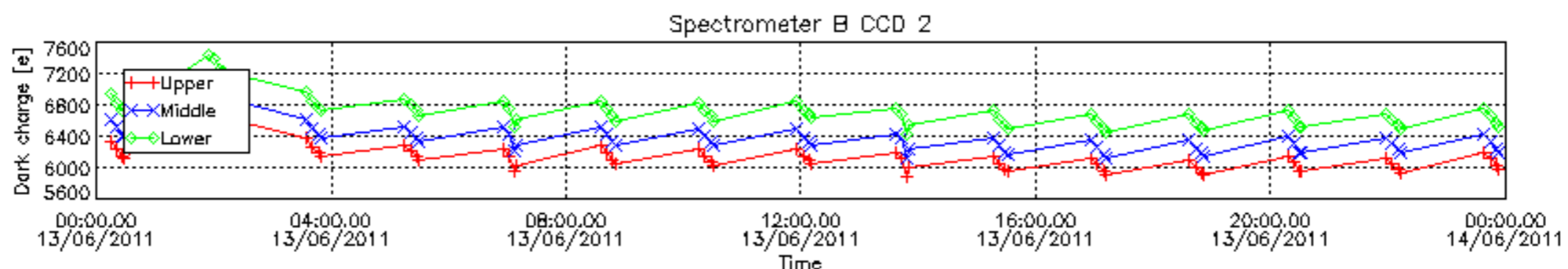
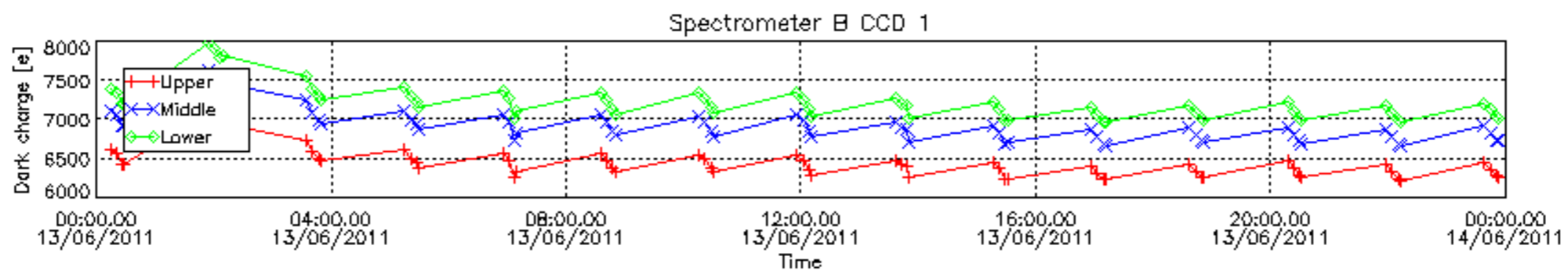
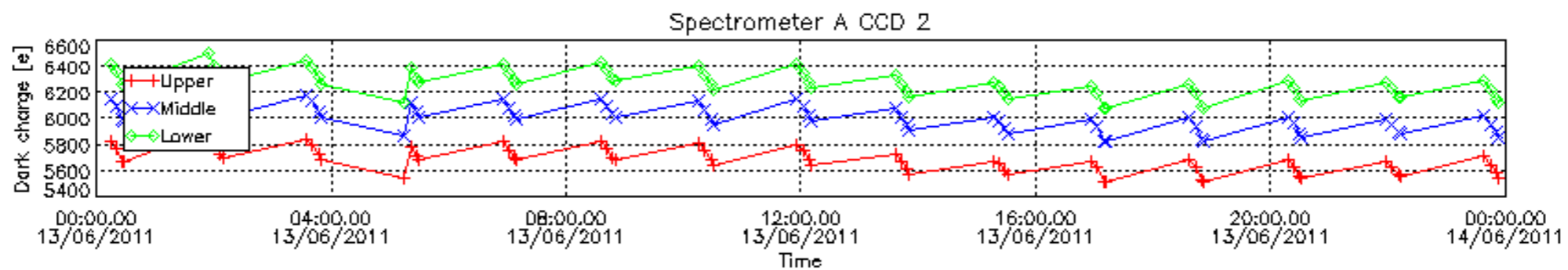
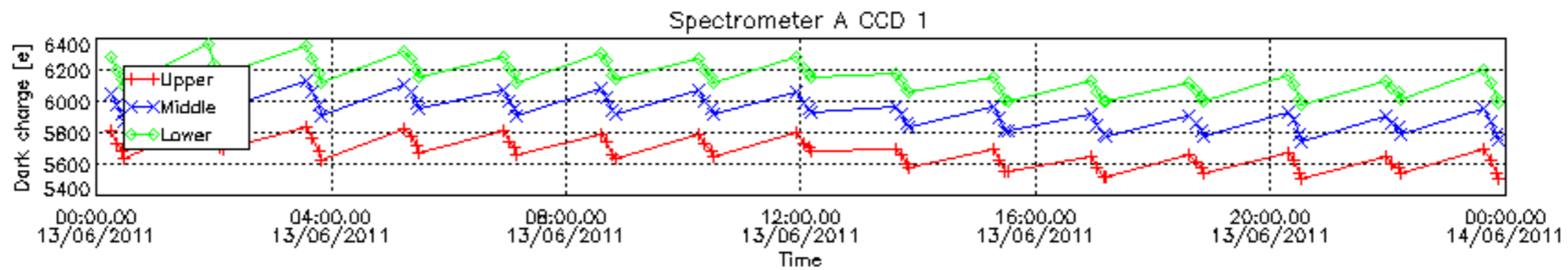
8. Auxiliary Data Files used for the production reported in section 2.4

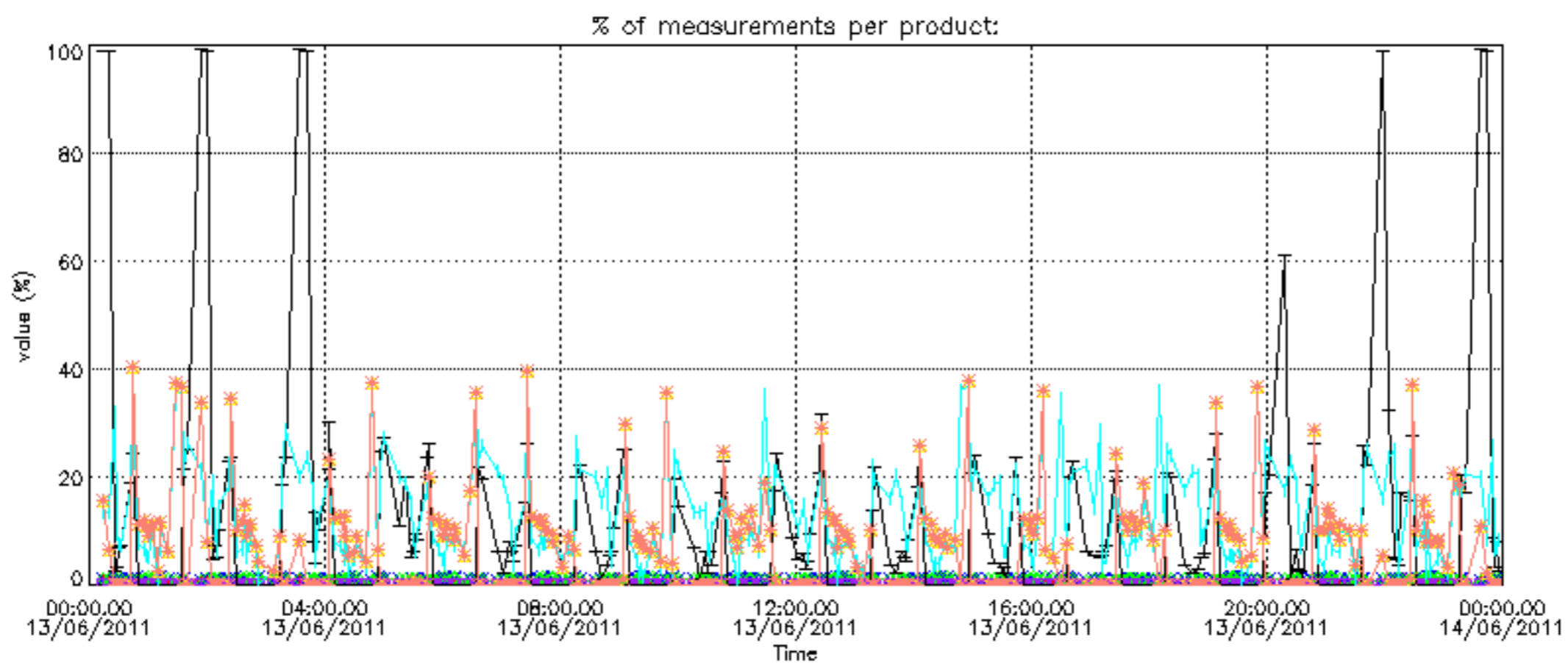
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	13-JUN-2011 00:14:15
CALIBRATION_DATABASE	GOM_CAL_AXNIEC20110606_150230_20110607_000000_20500101_000000	1	13-JUN-2011 00:14:15
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20110513_081743_20020301_000000_20500101_000000	1	13-JUN-2011 00:14:15
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	13-JUN-2011 00:14:15
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	13-JUN-2011 00:14:15
ECMWF_FILE	AUX_ECF_AXNECM20110612_062115_20110612_210000_20110613_090000	1	13-JUN-2011 00:14:15
ECMWF_FILE	AUX_ECF_AXNECM20110612_183650_20110613_030000_20110613_150000	36	13-JUN-2011 03:01:09
ECMWF_FILE	AUX_ECA_AXNECM20110613_062114_20110612_210000_20110613_090000	77	13-JUN-2011 06:27:51
ECMWF_FILE	AUX_ECF_AXNECM20110612_183650_20110613_030000_20110613_150000	90	13-JUN-2011 07:37:00
ECMWF_FILE	AUX_ECF_AXNECM20110613_062114_20110613_090000_20110613_210000	110	13-JUN-2011 09:17:13
ECMWF_FILE	AUX_ECF_AXNECM20110613_062114_20110613_150000_20110614_030000	188	13-JUN-2011 15:46:34
ECMWF_FILE	AUX_ECA_AXNECM20110613_174959_20110613_090000_20110613_210000	207	13-JUN-2011 17:25:06
ECMWF_FILE	AUX_ECF_AXNECM20110613_062114_20110613_150000_20110614_030000	247	13-JUN-2011 20:45:34
ECMWF_FILE	AUX_ECF_AXNECM20110613_062115_20110613_210000_20110614_090000	261	13-JUN-2011 21:57:29
OPTIONAL_ECMWF_FILE	MISSING	1	13-JUN-2011 00:14:15
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20110612_102113_20110611_195845_20110621_203218	1	13-JUN-2011 00:14:15
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20110613_102958_20110612_192201_20110622_213549	110	13-JUN-2011 09:17:13

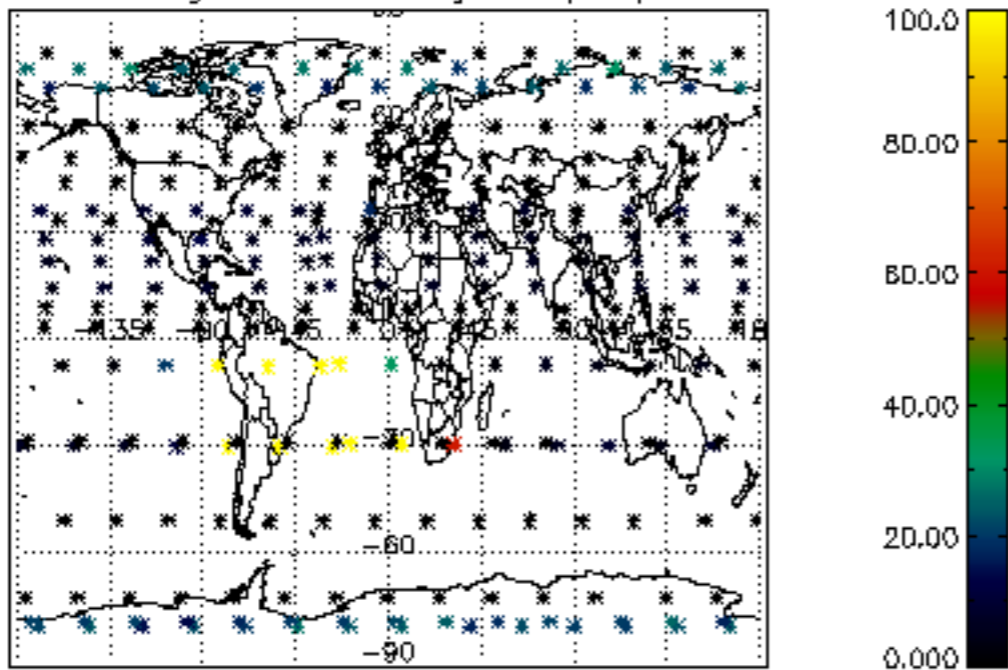




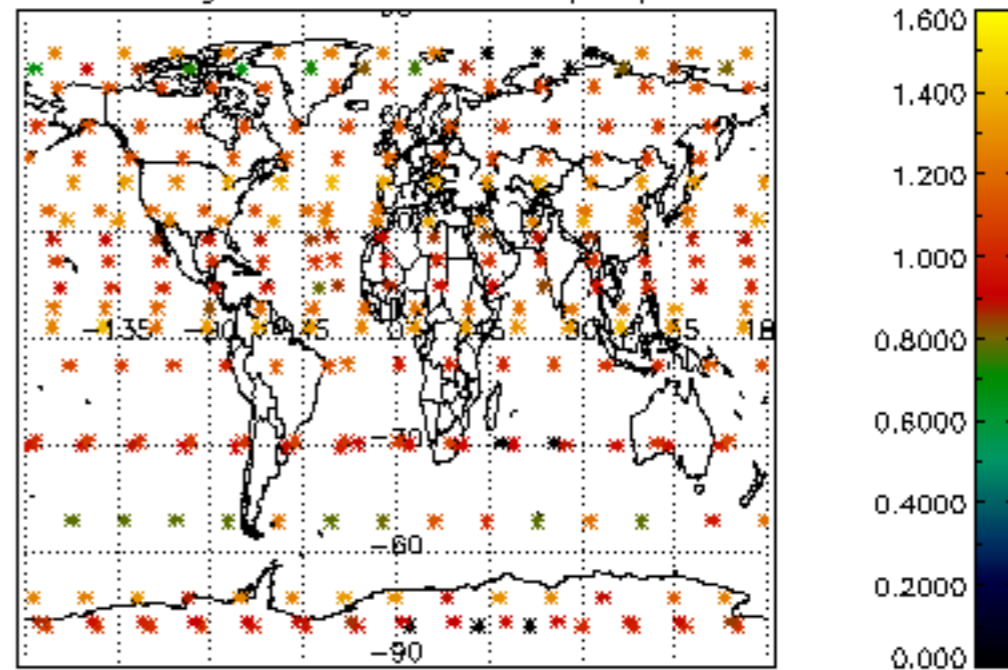




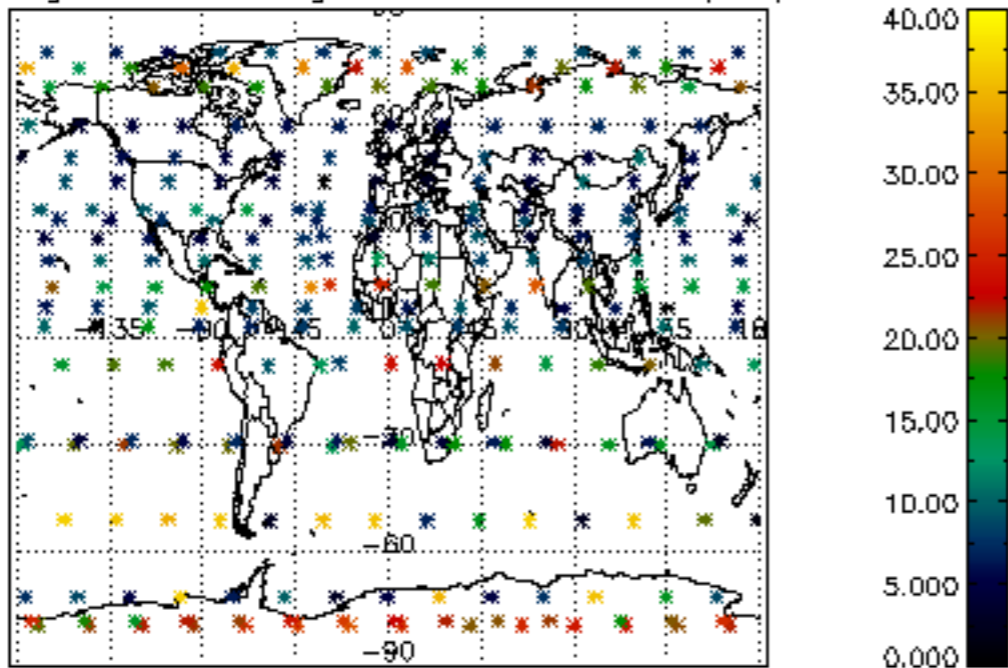
Percentage of cosmic ray hits per profile



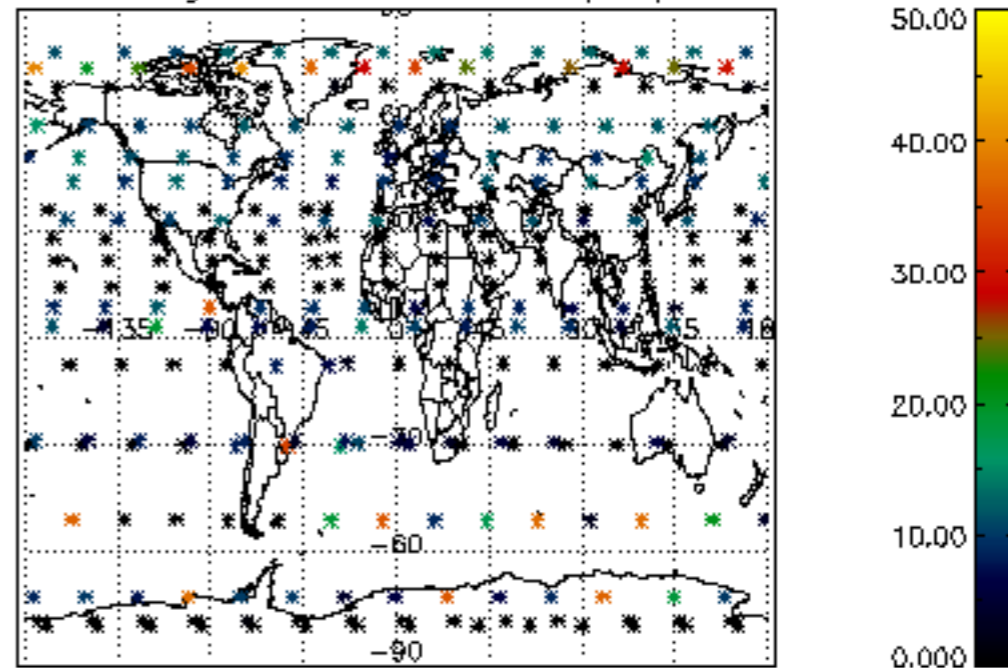
Percentage of datation errors per profile



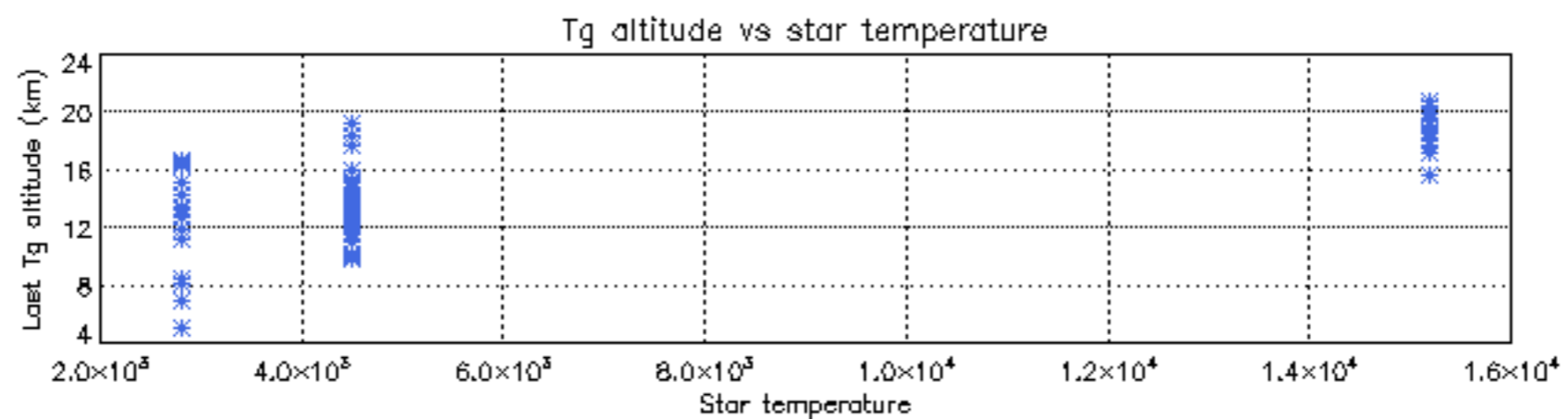
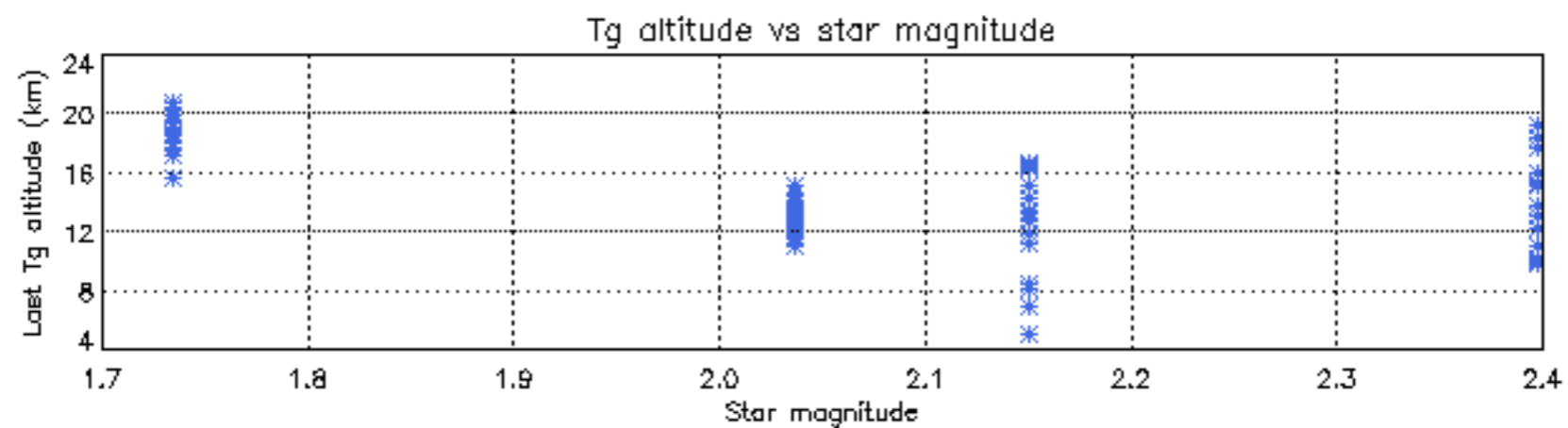
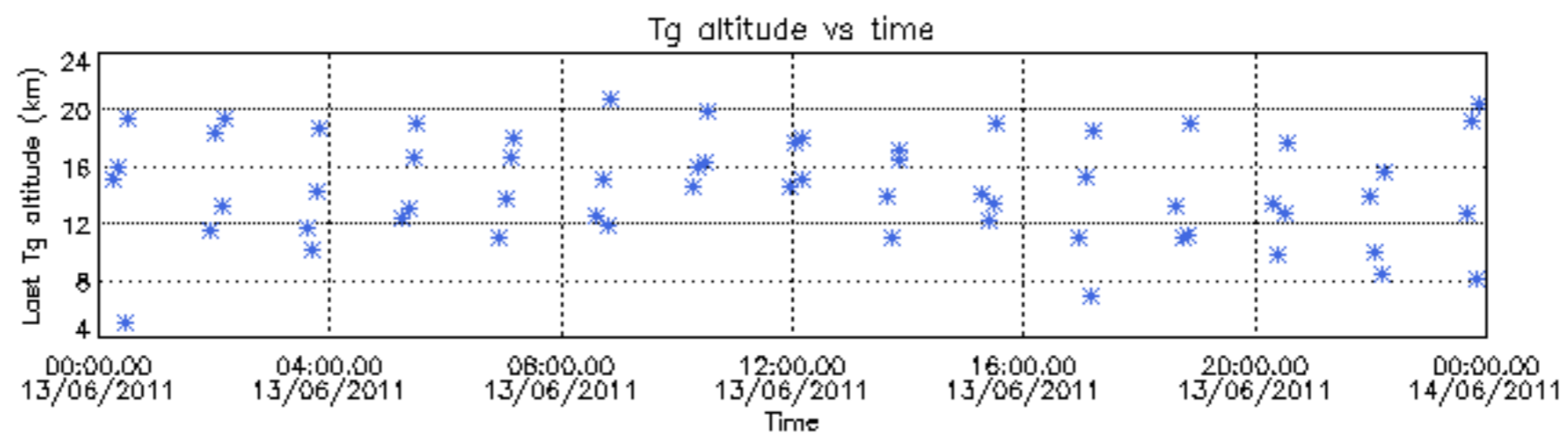
Percentage of star falling outside central band per profile



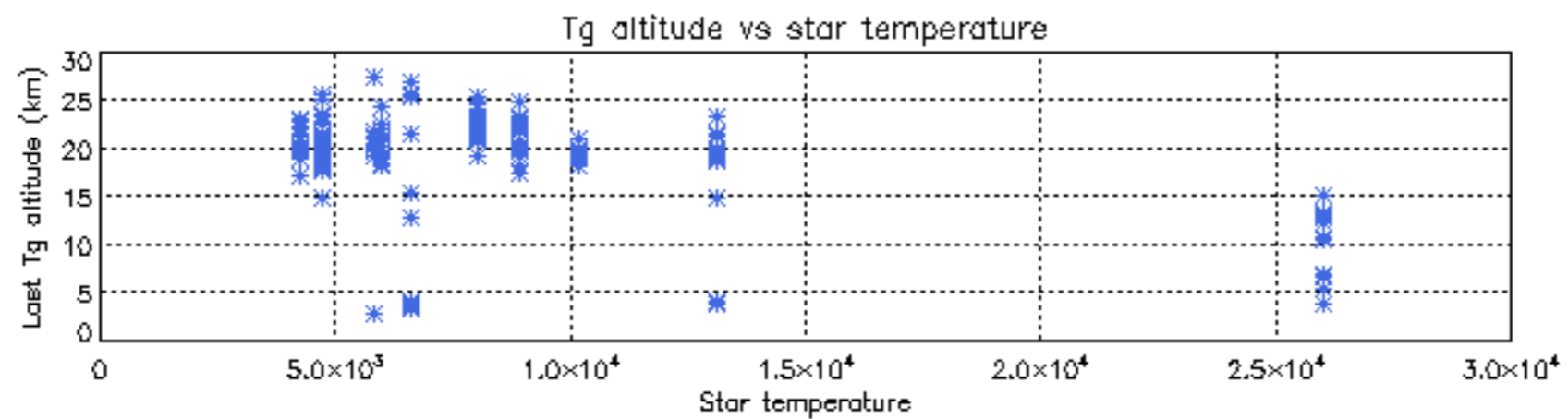
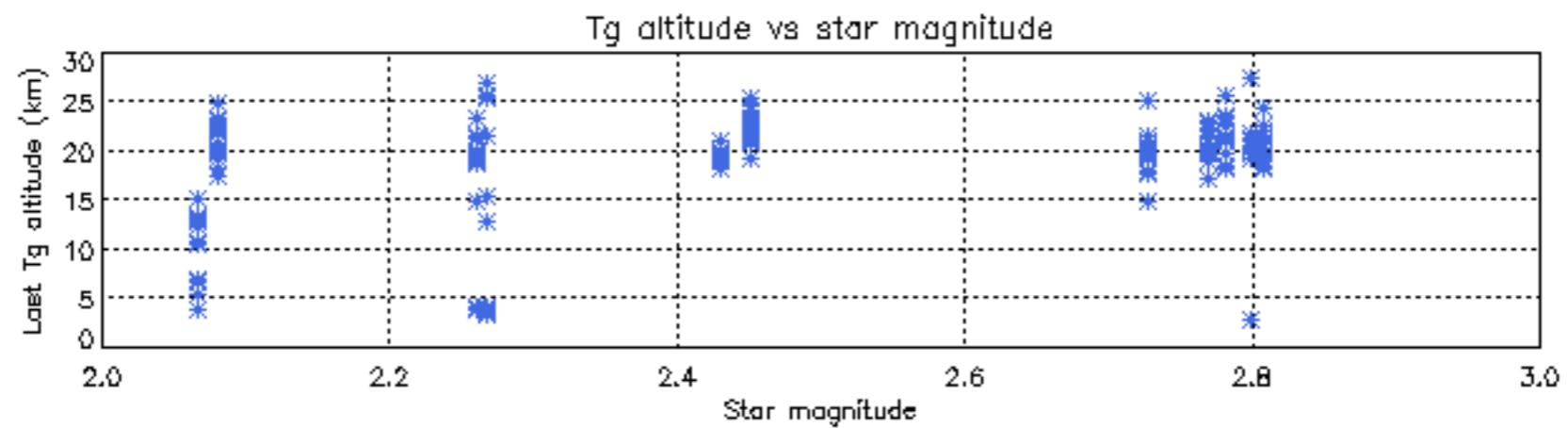
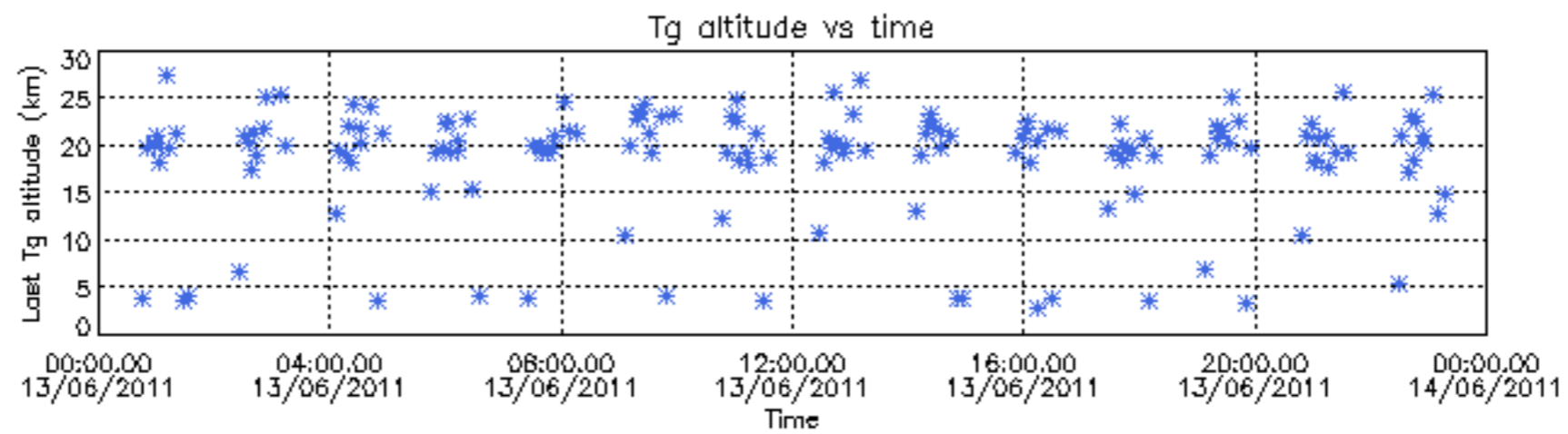
Percentage of saturation errors per profile



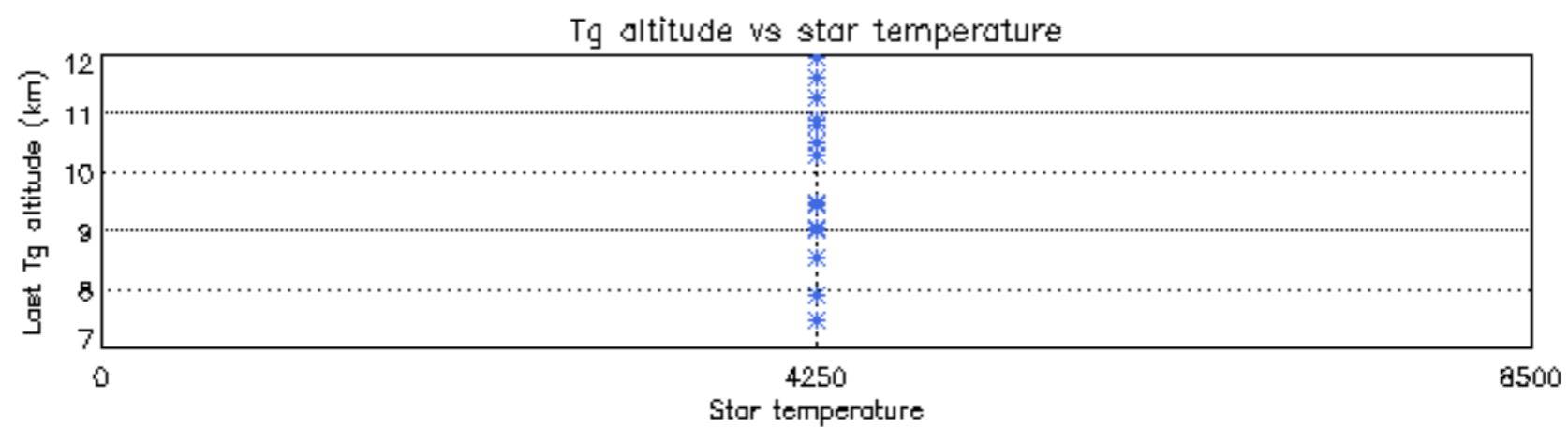
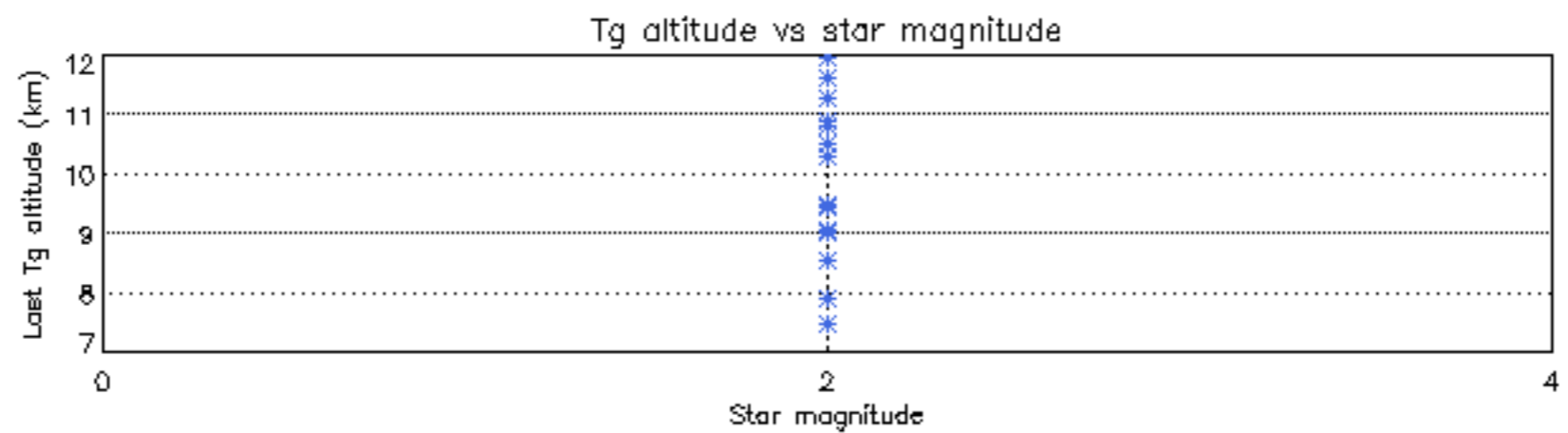
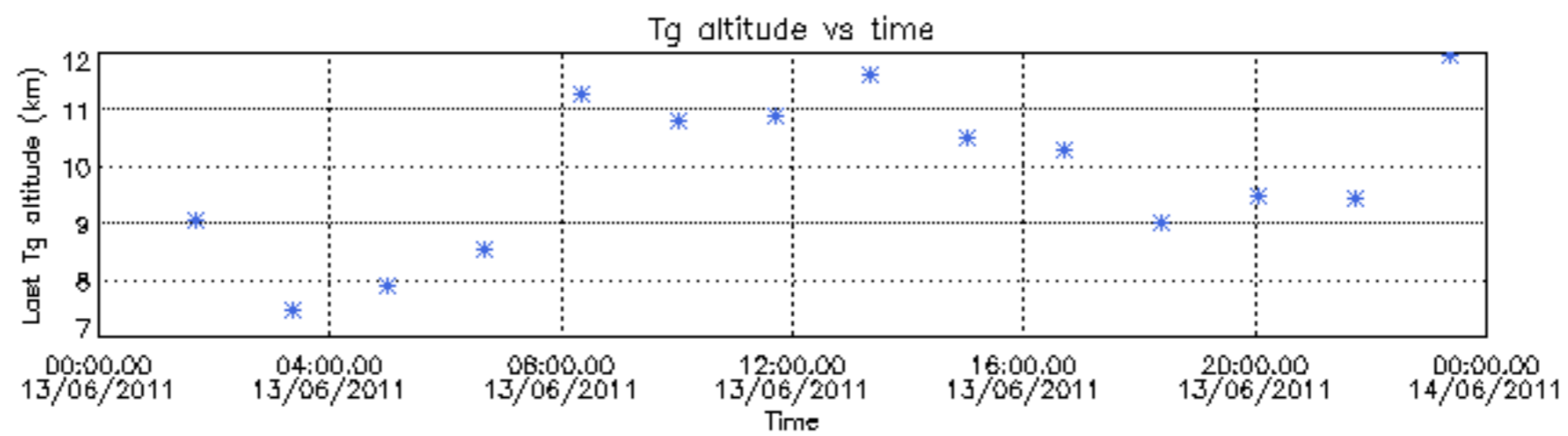
Tangent altitude at which the star is lost

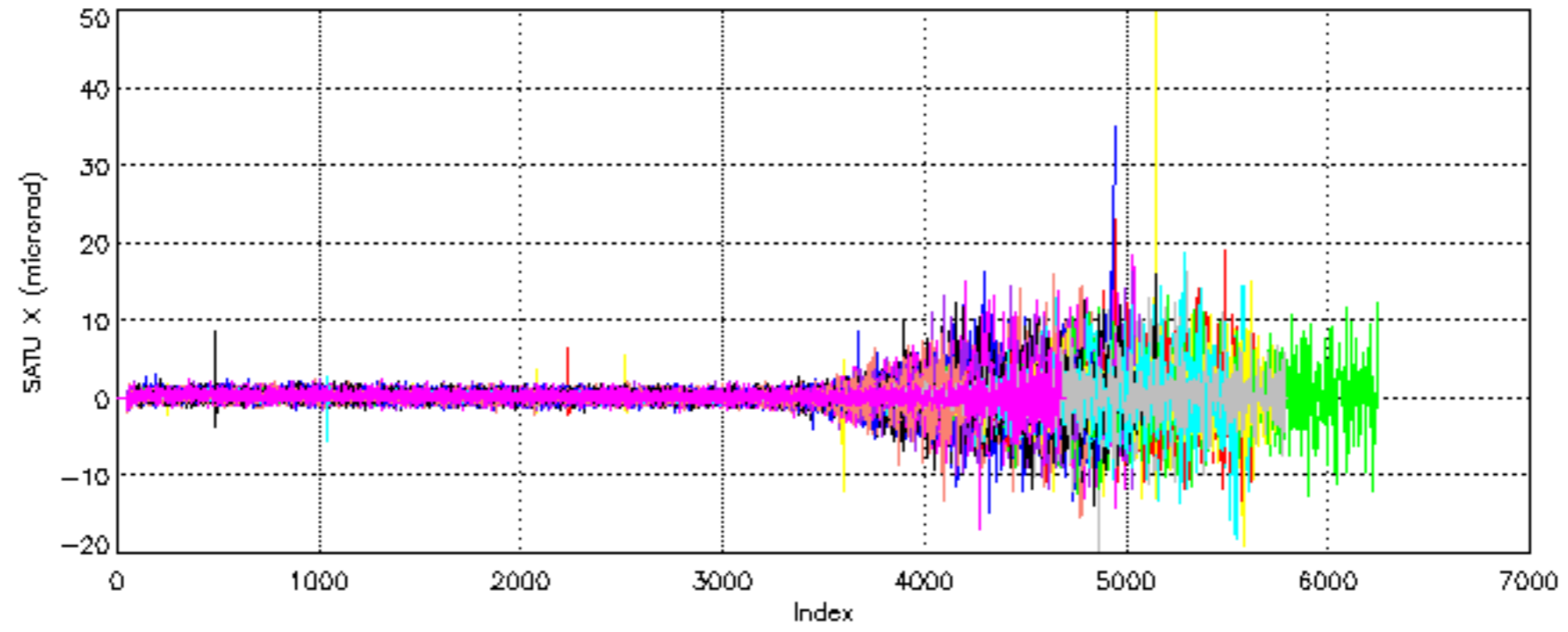


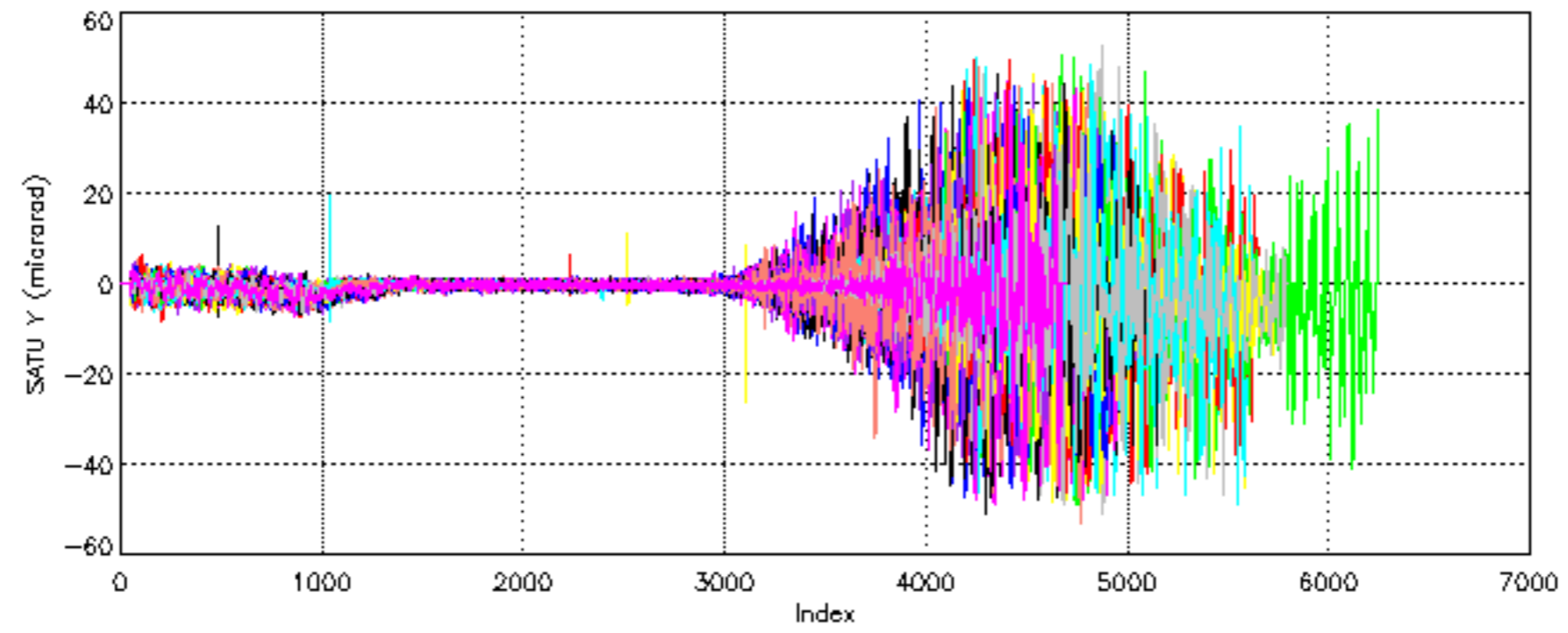
Tangent altitude at which the star is lost

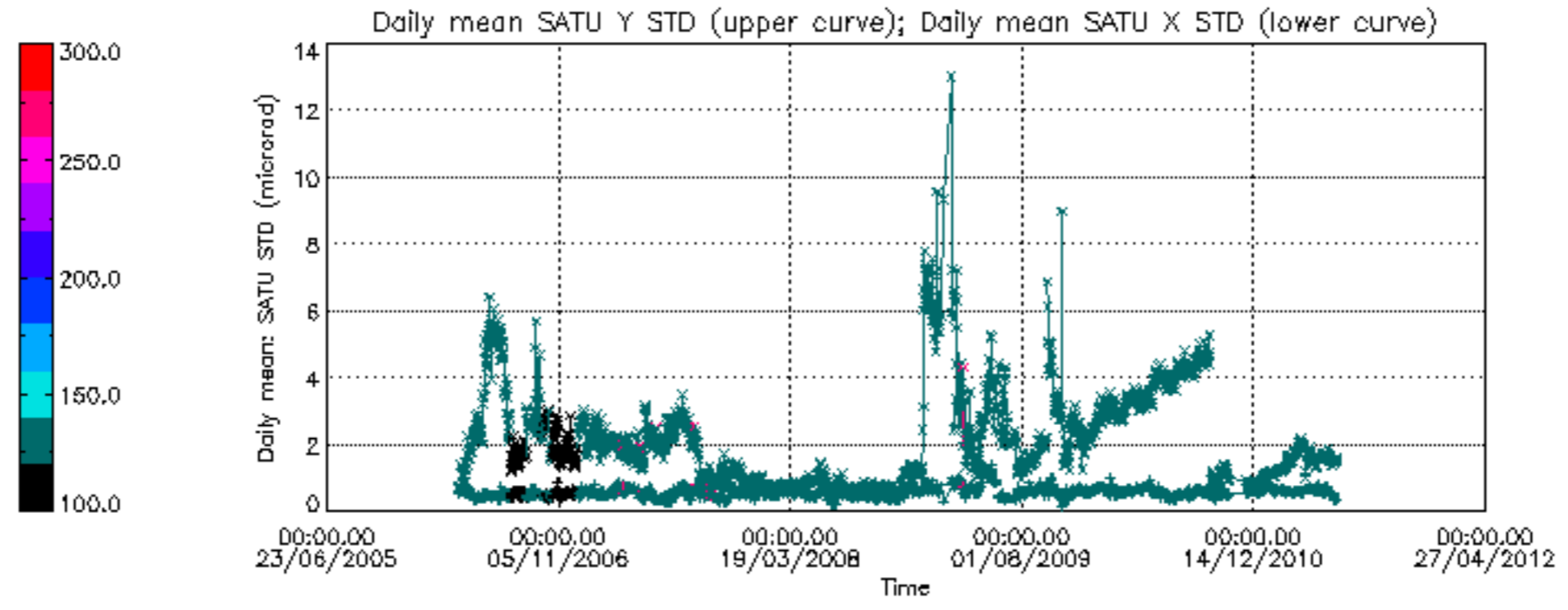


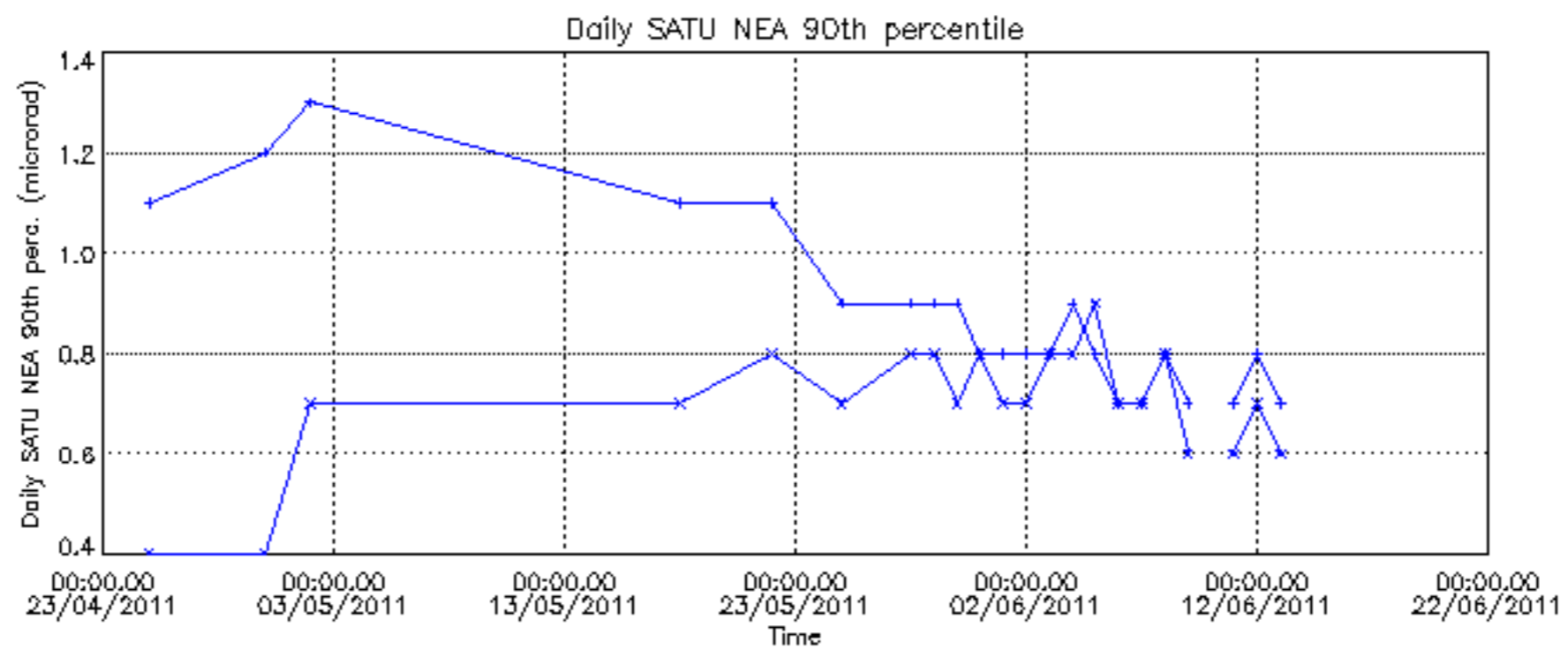
Tangent altitude at which the star is lost











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1; -744.8; 01-JUN-2011 00:50:13; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48378
 2; -641.2; 01-JUN-2011 00:51:56; Dark ; 50.5; 52; 16Bet Cet ; 2.04; 4500;occ; 101; 0;48378
 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
 8; 930.5; 01-JUN-2011 01:18:08; Dark ; 42.5; 147; Alp Ara ; 2.88; 26000;occ; 85; 0;48379
 9; 1031.5; 01-JUN-2011 01:19:49; Dark ; 46.5; 40; The Sco ; 1.86; 7100;occ; 93; 0;48379
 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
 14; 1580.3; 01-JUN-2011 01:28:58; Bright; 46.0; 86; 35Eta Oph ; 2.43; 10200;occ; 92; 0;48379
 15; 1691.1; 01-JUN-2011 01:30:49; Bright; 43.0; 98; 13Zet Oph ; 2.57; 30000;occ; 86; 0;48379
 16; 1821.9; 01-JUN-2011 01:33:00; Bright; 39.5; 120; 1Del Oph ; 2.73; 3200;occ; 79; 0;48379
 17; 2001.9; 01-JUN-2011 01:36:00; Bright; 37.0; 102; 24Alp Ser ; 2.60; 4250;occ; 74; 0;48379
 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
 21; 3602.0; 01-JUN-2011 02:02:40; Bright; 48.5; 89; 5Alp Cep ; 2.45; 8000;occ; 97; 0;48379
 22; 3907.9; 01-JUN-2011 02:07:46; Bright; 37.5; 76; 27Gam Cas ; 2.30; 30000;occ; 75; 0;48379
 23; 4373.1; 01-JUN-2011 02:15:31; Bright; 43.0; 53; 43Bet And ; 2.05; 3300;occ; 86; 0;48379
 24; 4534.2; 01-JUN-2011 02:18:12; Dark ; 55.0; 58; 21Alp And ; 2.07; 11000;occ; 110; 0;48379
 25; 4833.0; 01-JUN-2011 02:23:11; Dark ; 52.0; 140; 88Gam Peg ; 2.83; 26000;occ; 104; 0;48379

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1; -743.9; 01-JUN-2011 02:30:28; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48379
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 4; -114.6; 01-JUN-2011 02:40:57; Dark ; 53.5; 18; 24Alp PsA ; 1.17; 9700;occ; 107; 0;48379
 5; 80.6; 01-JUN-2011 02:44:12; Dark ; 51.5; 63; Bet Gru ; 2.15; 2800;occ; 103; 0;48380
 6; 193.4; 01-JUN-2011 02:46:05; Dark ; 44.5; 31; Alp Gru ; 1.73; 15200;occ; 89; 0;48380
 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
 9; 1032.0; 01-JUN-2011 03:00:04; Dark ; 46.5; 40; The Sco ; 1.86; 7100;occ; 93; 0;48380
 10; 1139.6; 01-JUN-2011 03:01:51; Dark ; 47.0; 25; 35Lam Sco ; 1.62; 28000;occ; 94; 0;48380
 11; 1244.4; 01-JUN-2011 03:03:36; Dark ; 45.5; 75; 26Eps Sco ; 2.29; 4250;occ; 91; 0;48380
 12; 1365.3; 01-JUN-2011 03:05:37; Dark ; 41.0; 136; 23Tau Sco ; 2.82; 30000;occ; 82; 0;48380
 13; 1489.3; 01-JUN-2011 03:07:41; Bright; 39.5; 80; 7Del Sco ; 2.32; 30000;occ; 79; 0;48380
 14; 1580.5; 01-JUN-2011 03:09:12; Bright; 45.5; 86; 35Eta Oph ; 2.43; 10200;occ; 91; 0;48380
 15; 1691.3; 01-JUN-2011 03:11:03; Bright; 41.5; 98; 13Zet Oph ; 2.57; 30000;occ; 83; 0;48380
 16; 1822.1; 01-JUN-2011 03:13:14; Bright; 39.0; 120; 1Del Oph ; 2.73; 3200;occ; 78; 0;48380
 17; 2002.0; 01-JUN-2011 03:16:14; Bright; 36.5; 102; 24Alp Ser ; 2.60; 4250;occ; 73; 0;48380
 18; 2304.5; 01-JUN-2011 03:21:16; Bright; 42.0; 127; 27Bet Her ; 2.78; 4700;occ; 84; 0;48380
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3;	-1764.9;	17-JUN-2011	04:07:17;	Bright;	41.5;	73;	57Gam1	And	;	2.26;	13100;	occ;	83;	0;	48610	
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6;	-544.0;	17-JUN-2011	04:27:38;	Dark	;	59.5;	0;			;	0.00;	0;	occ;	119;	0;	48610
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8;	-81.3;	17-JUN-2011	04:35:20;	Dark	;	47.0;	84;	Alp	Phe	;	2.40;	4500;	occ;	94;	0;	48610
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13;	1207.1;	17-JUN-2011	04:56:49;	Dark	;	47.5;	38;	20Eps	Sgr	;	1.84;	11000;	occ;	95;	0;	48611
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8;	-80.5;	17-JUN-2011	06:15:35;	Dark	;	48.0;	84;	Alp	Phe	;	2.40;	4500;	occ;	96;	0;	48611
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17;	2136.4;	17-JUN-2011	06:52:32;	Bright;	43.0;	59;	55Alp	Oph	;	2.08;	8900;	occ;	86;	0;	48612	
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13; 4249.3; 17-JUN-2011 20:49:37; Bright; 41.0; 73; 57Gam1And ; 2.26; 13100;occ; 82; 0;48620
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8; 1323.5; 24-JUN-2011 02:21:50; Dark ; 52.0; 116; 19Del Sgr ; 2.70; 4100;occ; 104; 0;48710
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13; 2810.8; 24-JUN-2011 02:46:38; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;48710
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4; -1765.7; 24-JUN-2011 03:10:35; Bright; 44.0; 73; 57Gam1And ; 2.26; 13100;occ; 88; 0;48710
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16; 1974.2; 24-JUN-2011 04:12:55; Bright; 39.5; 126; 60Bet Oph ; 2.77; 4250;occ; 79; 0;48711

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2; -2124.8; 26-JUN-2011 06:51:50; Bright; 48.0; 68; 18Alp Cas ; 2.22; 4500;occ; 96; 0;48741
3; -1969.9; 26-JUN-2011 06:54:25; Bright; 55.0; 160; 23Gam Per ; 2.93; 4700;occ; 110; 0;48741
4; -1766.6; 26-JUN-2011 06:57:48; Bright; 47.0; 73; 57Gam1And ; 2.26; 13100;occ; 94; 0;48741
5; -1616.3; 26-JUN-2011 07:00:18; Dark ; 46.5; 173; 4Bet Tri ; 3.00; 8900;occ; 93; 0;48741
6; -1376.1; 26-JUN-2011 07:04:18; Dark ; 53.5; 50; 13Alp Ari ; 2.01; 4250;occ; 107; 0;48741
7; -1082.6; 26-JUN-2011 07:09:12; Dark ; 46.0; 94; 92Alp Cet ; 2.53; 3100;occ; 92; 0;48741
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9; 35.5; 26-JUN-2011 07:27:50; Dark ; 60.5; 84; Alp Phe ; 2.40; 4500;occ; 121; 0;48742
10; 424.4; 26-JUN-2011 07:34:19; Dark ; 64.5; 63; Bet Gru ; 2.15; 2800;occ; 129; 0;48742
11; 543.4; 26-JUN-2011 07:36:18; Dark ; 49.5; 31; Alp Gru ; 1.73; 15200;occ; 99; 0;48742
12; 709.3; 26-JUN-2011 07:39:04; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;48742
13; 1249.0; 26-JUN-2011 07:48:04; Dark ; 45.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 90; 0;48742
14; 1332.2; 26-JUN-2011 07:49:27; Dark ; 54.0; 116; 19Del Sgr ; 2.70; 4100;occ; 108; 0;48742
15; 1458.9; 26-JUN-2011 07:51:33; Bright; 46.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 93; 0;48742
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2; 2113.4; 26-JUN-2011 08:02:28; Bright; 38.0; 59; 55Alp Oph ; 2.08; 8900;occ; 76; 0;48742
3; 2665.9; 26-JUN-2011 08:11:41; Bright; 47.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 95; 0;48742
4; 2803.8; 26-JUN-2011 08:13:58; Bright; 39.5; 130; 23Bet Dra ; 2.80; 5800;occ; 79; 0;48742
5; 3791.8; 26-JUN-2011 08:30:26; Bright; 69.0; 74; 11Bet Cas ; 2.27; 6600;occ; 138; 0;48742
6; 3888.5; 26-JUN-2011 08:32:03; Bright; 47.0; 68; 18Alp Cas ; 2.22; 4500;occ; 94; 0;48742
7; 4044.1; 26-JUN-2011 08:34:39; Bright; 38.5; 160; 23Gam Per ; 2.93; 4700;occ; 77; 0;48742
8; 4247.4; 26-JUN-2011 08:38:02; Bright; 45.5; 73; 57Gam1And ; 2.26; 13100;occ; 91; 0;48742
9; 4397.7; 26-JUN-2011 08:40:32; Dark ; 48.0; 173; 4Bet Tri ; 3.00; 8900;occ; 96; 0;48742
10; 4638.3; 26-JUN-2011 08:44:33; Dark ; 52.5; 50; 13Alp Ari ; 2.01; 4250;occ; 105; 0;48742
11; 4931.6; 26-JUN-2011 08:49:26; Dark ; 46.5; 94; 92Alp Cet ; 2.53; 3100;occ; 93; 0;48742
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13; 6050.3; 26-JUN-2011 09:08:05; Dark ; 47.5; 84; Alp Phe ; 2.40; 4500;occ; 95; 0;48743
14; 6439.0; 26-JUN-2011 09:14:34; Dark ; 66.0; 63; Bet Gru ; 2.15; 2800;occ; 132; 0;48743
15; 6558.6; 26-JUN-2011 09:16:33; Dark ; 50.5; 31; Alp Gru ; 1.73; 15200;occ; 101; 0;48743
16; 6723.8; 26-JUN-2011 09:19:18; Dark ; 40.0; 45; Alp Pav ; 1.94; 26000;occ; 80; 0;48743
17; 7263.4; 26-JUN-2011 09:28:18; Dark ; 46.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 93; 0;48743
18; 7346.3; 26-JUN-2011 09:29:41; Dark ; 44.0; 116; 19Del Sgr ; 2.70; 4100;occ; 88; 0;48743
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4; 2803.5; 26-JUN-2011 09:54:12; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;48743
5; 3791.5; 26-JUN-2011 10:10:40; Bright; 47.5; 74; 11Bet Cas ; 2.27; 6600;occ; 95; 0;48743
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8; 4247.3; 26-JUN-2011 10:18:16; Bright; 48.0; 73; 57Gam1And ; 2.26; 13100;occ; 96; 0;48743
9; 4397.8; 26-JUN-2011 10:20:46; Dark ; 47.5; 173; 4Bet Tri ; 3.00; 8900;occ; 95; 0;48743
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
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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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 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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 3; 2664.2; 26-JUN-2011 13:12:21; Bright; 41.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 82; 0;48745
 4; 2803.2; 26-JUN-2011 13:14:40; Bright; 39.5; 130; 23Bet Dra ; 2.80; 5800;occ; 79; 0;48745
 5; 3790.4; 26-JUN-2011 13:31:07; Bright; 44.0; 74; 11Bet Cas ; 2.27; 6600;occ; 88; 0;48745
 6; 3887.5; 26-JUN-2011 13:32:44; Bright; 48.0; 68; 18Alp Cas ; 2.22; 4500;occ; 96; 0;48745
 7; 4044.0; 26-JUN-2011 13:35:20; Bright; 55.0; 160; 23Gam Per ; 2.93; 4700;occ; 110; 0;48745
 8; 4247.1; 26-JUN-2011 13:38:44; Bright; 47.5; 73; 57Gam1And ; 2.26; 13100;occ; 95; 0;48745
 9; 4397.7; 26-JUN-2011 13:41:14; Dark ; 48.0; 173; 4Bet Tri ; 3.00; 8900;occ; 96; 0;48745
 10; 4639.2; 26-JUN-2011 13:45:16; Dark ; 52.0; 50; 13Alp Ari ; 2.01; 4250;occ; 104; 0;48745
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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
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 10; 4639.5; 26-JUN-2011 15:25:30; Dark ; 54.0; 50; 13Alp Ari ; 2.01; 4250;occ; 108; 0;48746
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 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
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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
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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
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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
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 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
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 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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 18; 6564.1; 26-JUN-2011 19:18:03; Dark ; 47.5; 31; Alp Gru ; 1.73; 15200;occ; 95; 0;48749
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 10; 4043.9; 26-JUN-2011 20:16:16; Bright; 36.0; 160; 23Gam Per ; 2.93; 4700;occ; 72; 0;48749
 11; 4246.7; 26-JUN-2011 20:19:39; Bright; 45.5; 73; 57Gam1And ; 2.26; 13100;occ; 91; 0;48749
 12; 4397.9; 26-JUN-2011 20:22:10; Dark ; 47.0; 173; 4Bet Tri ; 3.00; 8900;occ; 94; 0;48749
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 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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 5; 714.4; 27-JUN-2011 00:21:29; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;48752
 6; 1251.6; 27-JUN-2011 00:30:26; Dark ; 46.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 93; 0;48752
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 8; 1460.6; 27-JUN-2011 00:33:55; Bright; 46.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 93; 0;48752
 9; 1971.2; 27-JUN-2011 00:42:26; Bright; 38.5; 126; 60Bet Oph ; 2.77; 4250;occ; 77; 0;48752
 10; 2112.1; 27-JUN-2011 00:44:46; Bright; 38.0; 59; 55Alp Oph ; 2.08; 8900;occ; 76; 0;48752
 11; 2659.9; 27-JUN-2011 00:53:54; Bright; 42.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 84; 0;48752
 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
 14; 3786.9; 27-JUN-2011 01:12:41; Bright; 46.0; 74; 11Bet Cas ; 2.27; 6600;occ; 92; 0;48752
 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
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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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10; 2112.0; 27-JUN-2011 02:25:00; Bright; 37.5; 59; 55Alp Oph ; 2.08; 8900;occ; 75; 0;48753
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12; 2801.4; 27-JUN-2011 02:36:30; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;48753
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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
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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
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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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3;-1970.3; 27-JUN-2011 04:37:26; Bright; 55.0; 160; 23Gam Per ; 2.93; 4700;occ; 110; 0;48754
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6;-1372.2; 27-JUN-2011 04:47:24; Dark ; 56.0; 50; 13Alp Ari ; 2.01; 4250;occ; 112; 0;48754
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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
18; 2658.5; 27-JUN-2011 05:54:35; Bright; 46.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 92; 0;48755
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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13; 4399.3; 27-JUN-2011 21:25:42; Dark ; 46.5; 173; 4Bet Tri ; 3.00; 8900;occ; 93; 0;48764
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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
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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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11; 2653.0; 27-JUN-2011 22:36:49; Bright; 48.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 96; 0;48765
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
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5; 721.7; 27-JUN-2011 23:44:52; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;48766
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19; 4645.3; 28-JUN-2011 00:50:15; Dark ; 54.5; 50; 13Alp Ari ; 2.01; 4250;occ; 109; 0;48766
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13; 1252.9; 27-JUN-2011 07:11:23; Dark ; 46.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 92; 0;48756
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
 7; 3882.8; 27-JUN-2011 07:55:13; Bright; 49.5; 68; 18Alp Cas ; 2.22; 4500;occ; 99; 0;48756
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 17; 6731.3; 27-JUN-2011 08:42:42; Dark ; 44.5; 45; Alp Pav ; 1.94; 26000;occ; 89; 0;48757
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 3; 2657.4; 27-JUN-2011 09:15:02; Bright; 46.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 92; 0;48757
 4; 2800.9; 27-JUN-2011 09:17:25; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;48757
 5; 3352.2; 27-JUN-2011 09:26:37; Bright; 47.0; 89; 5Alp Cep ; 2.45; 8000;occ; 94; 0;48757
 6; 3784.6; 27-JUN-2011 09:33:49; Bright; 48.0; 74; 11Bet Cas ; 2.27; 6600;occ; 96; 0;48757
 7; 3882.5; 27-JUN-2011 09:35:27; Bright; 49.5; 68; 18Alp Cas ; 2.22; 4500;occ; 99; 0;48757
 8; 4043.7; 27-JUN-2011 09:38:08; Bright; 55.0; 160; 23Gam Per ; 2.93; 4700;occ; 110; 0;48757
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 10; 4398.8; 27-JUN-2011 09:44:03; Dark ; 47.0; 173; 4Bet Tri ; 3.00; 8900;occ; 94; 0;48757
 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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 16; 6572.2; 27-JUN-2011 10:20:17; Dark ; 50.5; 31; Alp Gru ; 1.73; 15200;occ; 101; 0;48758
 17; 6731.5; 27-JUN-2011 10:22:56; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;48758
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 19; 7350.0; 27-JUN-2011 10:33:14; Dark ; 50.0; 116; 19Del Sgr ; 2.70; 4100;occ; 100; 0;48758
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 3; 2656.8; 27-JUN-2011 10:55:15; Bright; 49.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 98; 0;48758
 4; 2800.3; 27-JUN-2011 10:57:39; Bright; 38.0; 130; 23Bet Dra ; 2.80; 5800;occ; 76; 0;48758
 5; 3351.8; 27-JUN-2011 11:06:50; Bright; 47.0; 89; 5Alp Cep ; 2.45; 8000;occ; 94; 0;48758
 6; 3784.1; 27-JUN-2011 11:14:02; Bright; 51.5; 74; 11Bet Cas ; 2.27; 6600;occ; 103; 0;48758
 7; 3882.1; 27-JUN-2011 11:15:40; Bright; 47.5; 68; 18Alp Cas ; 2.22; 4500;occ; 95; 0;48758
 8; 4043.5; 27-JUN-2011 11:18:22; Bright; 35.5; 160; 23Gam Per ; 2.93; 4700;occ; 71; 0;48758
 9; 4246.4; 27-JUN-2011 11:21:45; Bright; 48.0; 73; 57Gam1And ; 2.26; 13100;occ; 96; 0;48758
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 12; 4937.7; 27-JUN-2011 11:33:16; Dark ; 47.5; 94; 92Alp Cet ; 2.53; 3100;occ; 95; 0;48758
 13; 5449.4; 27-JUN-2011 11:41:48; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48758
 14; 6066.0; 27-JUN-2011 11:52:04; Dark ; 52.5; 84; Alp Phe ; 2.40; 4500;occ; 105; 0;48759
 15; 6454.7; 27-JUN-2011 11:58:33; Dark ; 52.5; 63; Bet Gru ; 2.15; 2800;occ; 105; 0;48759
 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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 3; 2656.4; 27-JUN-2011 12:35:29; Bright; 42.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 84; 0;48759
 4; 2800.3; 27-JUN-2011 12:37:52; Bright; 39.5; 130; 23Bet Dra ; 2.80; 5800;occ; 79; 0;48759
 5; 3351.0; 27-JUN-2011 12:47:03; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;48759
 6; 3783.5; 27-JUN-2011 12:54:16; Bright; 47.5; 74; 11Bet Cas ; 2.27; 6600;occ; 95; 0;48759
 7; 3881.8; 27-JUN-2011 12:55:54; Bright; 48.0; 68; 18Alp Cas ; 2.22; 4500;occ; 96; 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
13; 5450.2; 27-JUN-2011 13:22:02; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48759
14; 6066.9; 27-JUN-2011 13:32:19; Dark ; 51.5; 84; Alp Phe ; 2.40; 4500;occ; 103; 0;48760
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17; 6732.7; 27-JUN-2011 13:43:25; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;48760
18; 7267.9; 27-JUN-2011 13:52:20; Dark ; 43.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 86; 0;48760
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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3; 2655.6; 27-JUN-2011 14:15:42; Bright; 45.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 90; 0;48760
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
6; 3783.2; 27-JUN-2011 14:34:29; Bright; 48.0; 74; 11Bet Cas ; 2.27; 6600;occ; 96; 0;48760
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8; 4043.7; 27-JUN-2011 14:38:50; Bright; 35.0; 160; 23Gam Per ; 2.93; 4700;occ; 70; 0;48760
9; 4246.5; 27-JUN-2011 14:42:13; Bright; 48.5; 73; 57Gam1And ; 2.26; 13100;occ; 97; 0;48760
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12; 4938.6; 27-JUN-2011 14:53:45; Dark ; 49.5; 94; 92Alp Cet ; 2.53; 3100;occ; 99; 0;48760
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
17; 6733.2; 27-JUN-2011 15:23:39; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;48761
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19; 7350.6; 27-JUN-2011 15:33:57; Dark ; 52.0; 116; 19Del Sgr ; 2.70; 4100;occ; 104; 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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3; 1462.8; 27-JUN-2011 17:16:17; Bright; 47.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 94; 0;48762
4; 1970.9; 27-JUN-2011 17:24:45; Bright; 38.5; 126; 60Bet Oph ; 2.77; 4250;occ; 77; 0;48762
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13; 4399.1; 27-JUN-2011 18:05:13; Dark ; 49.5; 173; 4Bet Tri ; 3.00; 8900;occ; 99; 0;48762
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12; 4246.1; 27-JUN-2011 19:42:54; Bright; 45.0; 73; 57Gam1And ; 2.26; 13100;occ; 90; 0;48763
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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16; 5453.4; 27-JUN-2011 20:03:02; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 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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17; 6738.8; 28-JUN-2011 09:46:19; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;48772
18; 7271.4; 28-JUN-2011 09:55:12; Dark ; 45.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 91; 0;48772
19; 7353.4; 28-JUN-2011 09:56:34; Dark ; 50.0; 116; 19Del Sgr ; 2.70; 4100;occ; 100; 0;48772
20; 7478.7; 28-JUN-2011 09:58:39; Bright; 45.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 91; 0;48772
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 2; 2110.6; 28-JUN-2011 10:09:25; Bright; 39.5; 59; 55Alp Oph ; 2.08; 8900;occ; 79; 0;48772
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6; 3777.1; 28-JUN-2011 10:37:11; Bright; 69.0; 74; 11Bet Cas ; 2.27; 6600;occ; 138; 0;48772
7; 3876.3; 28-JUN-2011 10:38:50; Bright; 48.0; 68; 18Alp Cas ; 2.22; 4500;occ; 96; 0;48772
8; 4043.2; 28-JUN-2011 10:41:37; Bright; 56.0; 160; 23Gam Per ; 2.93; 4700;occ; 112; 0;48772
9; 4245.8; 28-JUN-2011 10:45:00; Bright; 46.5; 73; 57Gam1And ; 2.26; 13100;occ; 93; 0;48772
10; 4399.9; 28-JUN-2011 10:47:34; Dark ; 49.0; 173; 4Bet Tri ; 3.00; 8900;occ; 98; 0;48772
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13; 5460.7; 28-JUN-2011 11:05:15; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48772
14; 6079.6; 28-JUN-2011 11:15:34; Dark ; 50.0; 84; Alp Phe ; 2.40; 4500;occ; 100; 0;48773
15; 6468.2; 28-JUN-2011 11:22:02; Dark ; 51.0; 63; Bet Gru ; 2.15; 2800;occ; 102; 0;48773
16; 6586.1; 28-JUN-2011 11:24:00; Dark ; 53.0; 31; Alp Gru ; 1.73; 15200;occ; 106; 0;48773
17; 6739.2; 28-JUN-2011 11:26:33; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;48773
18; 7271.4; 28-JUN-2011 11:35:26; Dark ; 45.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 90; 0;48773
19; 7353.7; 28-JUN-2011 11:36:48; Dark ; 50.0; 116; 19Del Sgr ; 2.70; 4100;occ; 100; 0;48773
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2; 2110.6; 28-JUN-2011 11:49:39; Bright; 36.5; 59; 55Alp Oph ; 2.08; 8900;occ; 73; 0;48773
3; 2648.8; 28-JUN-2011 11:58:37; Bright; 48.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 96; 0;48773
4; 2797.5; 28-JUN-2011 12:01:06; Bright; 39.5; 130; 23Bet Dra ; 2.80; 5800;occ; 79; 0;48773
5; 3341.5; 28-JUN-2011 12:10:09; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;48773
6; 3776.9; 28-JUN-2011 12:17:25; Bright; 46.5; 74; 11Bet Cas ; 2.27; 6600;occ; 93; 0;48773
7; 3875.9; 28-JUN-2011 12:19:04; Bright; 48.5; 68; 18Alp Cas ; 2.22; 4500;occ; 97; 0;48773
8; 4043.1; 28-JUN-2011 12:21:51; Bright; 41.5; 160; 23Gam Per ; 2.93; 4700;occ; 83; 0;48773
9; 4245.9; 28-JUN-2011 12:25:14; Bright; 47.5; 73; 57Gam1And ; 2.26; 13100;occ; 95; 0;48773
10; 4400.0; 28-JUN-2011 12:27:48; Dark ; 49.0; 173; 4Bet Tri ; 3.00; 8900;occ; 98; 0;48773
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12; 4943.5; 28-JUN-2011 12:36:52; Dark ; 48.0; 94; 92Alp Cet ; 2.53; 3100;occ; 96; 0;48773
13; 5461.5; 28-JUN-2011 12:45:30; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;48773
14; 6080.6; 28-JUN-2011 12:55:49; Dark ; 51.5; 84; Alp Phe ; 2.40; 4500;occ; 103; 0;48774
15; 6469.2; 28-JUN-2011 13:02:17; Dark ; 50.5; 63; Bet Gru ; 2.15; 2800;occ; 101; 0;48774
16; 6587.0; 28-JUN-2011 13:04:15; Dark ; 49.5; 31; Alp Gru ; 1.73; 15200;occ; 99; 0;48774
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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
5; 3341.0; 28-JUN-2011 13:50:23; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;48774
6; 3776.0; 28-JUN-2011 13:57:38; Bright; 48.0; 74; 11Bet Cas ; 2.27; 6600;occ; 96; 0;48774
7; 3875.5; 28-JUN-2011 13:59:17; Bright; 48.5; 68; 18Alp Cas ; 2.22; 4500;occ; 97; 0;48774
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
10; 4400.2; 28-JUN-2011 14:08:02; Dark ; 49.5; 173; 4Bet Tri ; 3.00; 8900;occ; 99; 0;48774
11; 4647.8; 28-JUN-2011 14:12:10; Dark ; 55.0; 50; 13Alp Ari ; 2.01; 4250;occ; 110; 0;48774
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13; 5462.4; 28-JUN-2011 14:25:44; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48774
14; 6081.8; 28-JUN-2011 14:36:04; Dark ; 49.5; 84; Alp Phe ; 2.40; 4500;occ; 99; 0;48775
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
18; 7272.4; 28-JUN-2011 14:55:54; Dark ; 47.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 95; 0;48775
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3; 1970.3; 28-JUN-2011 15:07:46; Bright; 38.0; 126; 60Bet Oph ; 2.77; 4250;occ; 76; 0;48775
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
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 7; 2797.0; 28-JUN-2011 17:01:47; Bright; 37.5; 130; 23Bet Dra ; 2.80; 5800;occ; 75; 0;48776
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 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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 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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 3; 1465.6; 28-JUN-2011 18:19:50; Bright; 46.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 93; 0;48777
 4; 1970.3; 28-JUN-2011 18:28:14; Bright; 39.0; 126; 60Bet Oph ; 2.77; 4250;occ; 78; 0;48777
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 11; 4042.8; 28-JUN-2011 19:02:47; Bright; 37.0; 160; 23Gam Per ; 2.93; 4700;occ; 74; 0;48777
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 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
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 3; 462.1; 29-JUN-2011 00:44:02; Dark ; 53.5; 63; Bet Gru ; 2.15; 2800;occ; 107; 0;48781
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 5; 728.9; 29-JUN-2011 00:48:29; Dark ; 43.5; 45; Alp Pav ; 1.94; 26000;occ; 87; 0;48781
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 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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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
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13; 1300.5; 29-JUN-2011 04:18:28; Dark ; 45.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 90; 0;48783
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13; 4244.4; 29-JUN-2011 21:49:52; Bright; 49.5; 73; 57Gam1And ; 2.26; 13100;occ; 99; 0;48793
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19; 4653.9; 29-JUN-2011 23:36:56; Dark ; 57.0; 50; 13Alp Ari ; 2.01; 4250;occ; 114; 0;48794
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10; 466.1; 29-JUN-2011 07:25:02; Dark ; 53.0; 63; Bet Gru ; 2.15; 2800;occ; 106; 0;48785
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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
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9; 4042.5; 29-JUN-2011 13:25:20; Bright; 35.5; 160; 23Gam Per ; 2.93; 4700;occ; 71; 0;48788
10; 4244.9; 29-JUN-2011 13:28:43; Bright; 56.5; 73; 57Gam1And ; 2.26; 13100;occ; 113; 0;48788
11; 4401.0; 29-JUN-2011 13:31:19; Dark ; 50.5; 173; 4Bet Tri ; 3.00; 8900;occ; 101; 0;48788
12; 4652.2; 29-JUN-2011 13:35:30; Dark ; 55.0; 50; 13Alp Ari ; 2.01; 4250;occ; 110; 0;48788
13; 4949.7; 29-JUN-2011 13:40:27; Dark ; 47.5; 94; 92Alp Cet ; 2.53; 3100;occ; 95; 0;48788
14; 5474.1; 29-JUN-2011 13:49:12; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48788
15; 6095.9; 29-JUN-2011 13:59:34; Dark ; 59.0; 84; Alp Phe ; 2.40; 4500;occ; 118; 0;48789
16; 6484.1; 29-JUN-2011 14:06:02; Dark ; 50.5; 63; Bet Gru ; 2.15; 2800;occ; 101; 0;48789
17; 6600.8; 29-JUN-2011 14:07:59; Dark ; 50.0; 31; Alp Gru ; 1.73; 15200;occ; 100; 0;48789
18; 6747.3; 29-JUN-2011 14:10:25; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;48789
19; 7316.3; 29-JUN-2011 14:19:54; Dark ; 46.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 92; 0;48789
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3; 2222.7; 29-JUN-2011 14:35:14; Bright; 50.5; 168; 17Zet Aql ; 2.99; 11000;occ; 101; 0;48789
4; 2640.8; 29-JUN-2011 14:42:13; Bright; 44.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 89; 0;48789
5; 2795.0; 29-JUN-2011 14:44:47; Bright; 35.0; 130; 23Bet Dra ; 2.80; 5800;occ; 70; 0;48789
6; 2913.3; 29-JUN-2011 14:46:45; Bright; 33.0; 144; 18Del Cyg ; 2.86; 11000;occ; 66; 0;48789


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9; 3869.5; 29-JUN-2011 15:02:41; Bright; 47.0; 68; 18Alp Cas ; 2.22; 4500;occ; 94; 0;48789
10; 4042.6; 29-JUN-2011 15:05:34; Bright; 36.0; 160; 23Gam Per ; 2.93; 4700;occ; 72; 0;48789
11; 4245.0; 29-JUN-2011 15:08:57; Bright; 46.0; 73; 57Gam1And ; 2.26; 13100;occ; 92; 0;48789
12; 4401.2; 29-JUN-2011 15:11:33; Dark ; 47.5; 173; 4Bet Tri ; 3.00; 8900;occ; 95; 0;48789
13; 4652.6; 29-JUN-2011 15:15:44; Dark ; 52.0; 50; 13Alp Ari ; 2.01; 4250;occ; 104; 0;48789
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16; 6097.0; 29-JUN-2011 15:39:49; Dark ; 48.5; 84; Alp Phe ; 2.40; 4500;occ; 97; 0;48790
17; 6485.0; 29-JUN-2011 15:46:17; Dark ; 51.0; 63; Bet Gru ; 2.15; 2800;occ; 102; 0;48790
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19; 6747.8; 29-JUN-2011 15:50:40; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;48790
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6; 2640.3; 29-JUN-2011 16:22:26; Bright; 47.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 95; 0;48790
7; 2794.8; 29-JUN-2011 16:25:01; Bright; 39.5; 130; 23Bet Dra ; 2.80; 5800;occ; 79; 0;48790
8; 2912.4; 29-JUN-2011 16:26:58; Bright; 38.0; 144; 18Del Cyg ; 2.86; 11000;occ; 76; 0;48790
9; 3330.3; 29-JUN-2011 16:33:56; Bright; 46.5; 89; 5Alp Cep ; 2.45; 8000;occ; 93; 0;48790
10; 3768.2; 29-JUN-2011 16:41:14; Bright; 48.5; 74; 11Bet Cas ; 2.27; 6600;occ; 97; 0;48790
11; 3869.1; 29-JUN-2011 16:42:55; Bright; 50.0; 68; 18Alp Cas ; 2.22; 4500;occ; 100; 0;48790
12; 4042.5; 29-JUN-2011 16:45:48; Bright; 36.5; 160; 23Gam Per ; 2.93; 4700;occ; 73; 0;48790
13; 4244.8; 29-JUN-2011 16:49:11; Bright; 47.5; 73; 57Gam1And ; 2.26; 13100;occ; 95; 0;48790
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3; 1969.9; 29-JUN-2011 17:51:30; Bright; 38.5; 126; 60Bet Oph ; 2.77; 4250;occ; 77; 0;48791
4; 2109.5; 29-JUN-2011 17:53:49; Bright; 38.0; 59; 55Alp Oph ; 2.08; 8900;occ; 76; 0;48791
5; 2221.7; 29-JUN-2011 17:55:42; Bright; 67.0; 168; 17Zet Aql ; 2.99; 11000;occ; 134; 0;48791
6; 2639.8; 29-JUN-2011 18:02:40; Bright; 46.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 93; 0;48791
7; 2794.5; 29-JUN-2011 18:05:14; Bright; 37.5; 130; 23Bet Dra ; 2.80; 5800;occ; 75; 0;48791
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9; 3329.7; 29-JUN-2011 18:14:09; Bright; 46.0; 89; 5Alp Cep ; 2.45; 8000;occ; 92; 0;48791
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12; 4042.3; 29-JUN-2011 18:26:02; Bright; 51.0; 160; 23Gam Per ; 2.93; 4700;occ; 102; 0;48791
13; 4244.8; 29-JUN-2011 18:29:25; Bright; 46.5; 73; 57Gam1And ; 2.26; 13100;occ; 93; 0;48791
14; 4401.3; 29-JUN-2011 18:32:01; Dark ; 50.0; 173; 4Bet Tri ; 3.00; 8900;occ; 100; 0;48791
15; 4653.1; 29-JUN-2011 18:36:13; Dark ; 58.0; 50; 13Alp Ari ; 2.01; 4250;occ; 116; 0;48791
16; 4950.9; 29-JUN-2011 18:41:11; Dark ; 47.5; 94; 92Alp Cet ; 2.53; 3100;occ; 95; 0;48791
17; 5476.8; 29-JUN-2011 18:49:57; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;48791
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6; 1304.0; 30-JUN-2011 00:21:20; Dark ; 47.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 94; 0;48795
7; 1469.3; 30-JUN-2011 00:24:05; Bright; 45.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 91; 0;48795
8; 1969.7; 30-JUN-2011 00:32:25; Bright; 37.5; 126; 60Bet Oph ; 2.77; 4250;occ; 75; 0;48795
9; 2109.2; 30-JUN-2011 00:34:45; Bright; 39.0; 59; 55Alp Oph ; 2.08; 8900;occ; 78; 0;48795

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 13; 2907.7; 30-JUN-2011 00:48:03; Bright; 47.0; 144; 18Del Cyg ; 2.86; 11000;occ; 94; 0;48795
 14; 3326.7; 30-JUN-2011 00:55:02; Bright; 47.5; 89; 5Alp Cep ; 2.45; 8000;occ; 95; 0;48795
 15; 3765.4; 30-JUN-2011 01:02:21; Bright; 59.0; 74; 11Bet Cas ; 2.27; 6600;occ; 118; 0;48795
 16; 3866.8; 30-JUN-2011 01:04:02; Bright; 47.5; 68; 18Alp Cas ; 2.22; 4500;occ; 95; 0;48795
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 3; 1969.8; 29-JUN-2011 19:31:44; Bright; 38.5; 126; 60Bet Oph ; 2.77; 4250;occ; 77; 0;48792
 4; 2109.4; 29-JUN-2011 19:34:03; Bright; 37.0; 59; 55Alp Oph ; 2.08; 8900;occ; 74; 0;48792
 5; 2221.0; 29-JUN-2011 19:35:55; Bright; 48.0; 168; 17Zet Aql ; 2.99; 11000;occ; 96; 0;48792
 6; 2639.2; 29-JUN-2011 19:42:53; Bright; 43.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 86; 0;48792
 7; 2794.3; 29-JUN-2011 19:45:28; Bright; 37.0; 130; 23Bet Dra ; 2.80; 5800;occ; 74; 0;48792
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 9; 3328.8; 29-JUN-2011 19:54:23; Bright; 47.0; 89; 5Alp Cep ; 2.45; 8000;occ; 94; 0;48792
 10; 3767.1; 29-JUN-2011 20:01:41; Bright; 70.0; 74; 11Bet Cas ; 2.27; 6600;occ; 140; 0;48792
 11; 3868.1; 29-JUN-2011 20:03:22; Bright; 47.5; 68; 18Alp Cas ; 2.22; 4500;occ; 95; 0;48792
 12; 4042.3; 29-JUN-2011 20:06:16; Bright; 56.0; 160; 23Gam Per ; 2.93; 4700;occ; 112; 0;48792
 13; 4244.6; 29-JUN-2011 20:09:38; Bright; 48.0; 73; 57Gam1And ; 2.26; 13100;occ; 96; 0;48792
 14; 4401.3; 29-JUN-2011 20:12:15; Dark ; 50.0; 173; 4Bet Tri ; 3.00; 8900;occ; 100; 0;48792
 15; 4653.4; 29-JUN-2011 20:16:27; Dark ; 57.0; 50; 13Alp Ari ; 2.01; 4250;occ; 114; 0;48792
 16; 4951.2; 29-JUN-2011 20:21:25; Dark ; 41.5; 94; 92Alp Cet ; 2.53; 3100;occ; 83; 0;48792
 17; 5477.6; 29-JUN-2011 20:30:11; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48792
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 16; 3866.3; 30-JUN-2011 02:44:16; Bright; 48.0; 68; 18Alp Cas ; 2.22; 4500;occ; 96; 0;48796
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 28; 7483.8; 30-JUN-2011 03:44:33; Bright; 45.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 91; 0;48797
 29; 7983.9; 30-JUN-2011 03:52:53; Bright; 37.5; 126; 60Bet Oph ; 2.77; 4250;occ; 75; 0;48797
 30; 8123.2; 30-JUN-2011 03:55:13; Bright; 37.5; 59; 55Alp Oph ; 2.08; 8900;occ; 75; 0;48797
 31; 8232.3; 30-JUN-2011 03:57:02; Bright; 48.5; 168; 17Zet Aql ; 2.99; 11000;occ; 97; 0;48797
 32; 8651.0; 30-JUN-2011 04:04:01; Bright; 43.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 87; 0;48797
 33; 8807.6; 30-JUN-2011 04:06:37; Bright; 35.0; 130; 23Bet Dra ; 2.80; 5800;occ; 70; 0;48797

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6; 2904.5; 30-JUN-2011 07:28:56; Bright; 54.0; 144; 18Del Cyg ; 2.86; 11000;occ; 108; 0;48799
7; 3324.1; 30-JUN-2011 07:35:56; Bright; 46.5; 89; 5Alp Cep ; 2.45; 8000;occ; 93; 0;48799
8; 3763.5; 30-JUN-2011 07:43:15; Bright; 48.5; 74; 11Bet Cas ; 2.27; 6600;occ; 97; 0;48799
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4;	2634.0;	30-JUN-2011	14:05:22;	Bright;	45.5;	5;	3Alp Lyr	;	0.03;	11000;occ;	91;	0;48803	
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17;	6111.2;	30-JUN-2011	15:03:19;	Dark	;	47.0;	84;	Alp Phe	;	2.40;	4500;occ;	94;	0;48804
18;	6498.5;	30-JUN-2011	15:09:46;	Dark	;	51.5;	63;	Bet Gru	;	2.15;	2800;occ;	103;	0;48804
19;	6614.2;	30-JUN-2011	15:11:42;	Dark	;	53.0;	31;	Alp Gru	;	1.73;	15200;occ;	106;	0;48804
20;	6754.7;	30-JUN-2011	15:14:02;	Dark	;	41.0;	45;	Alp Pav	;	1.94;	26000;occ;	82;	0;48804
21;	7320.9;	30-JUN-2011	15:23:28;	Dark	;	40.5;	103;	38Zet Sgr	;	2.60;	9700;occ;	81;	0;48804
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1;	1471.3;	30-JUN-2011	15:26:13;	Bright;	44.5;	155;	41Pi Sgr	;	2.90;	6600;occ;	89;	0;48804	
2;	1969.8;	30-JUN-2011	15:34:31;	Bright;	38.0;	126;	60Bet Oph	;	2.77;	4250;occ;	76;	0;48804	
3;	2109.0;	30-JUN-2011	15:36:51;	Bright;	39.5;	59;	55Alp Oph	;	2.08;	8900;occ;	79;	0;48804	
4;	2214.7;	30-JUN-2011	15:38:36;	Bright;	47.5;	168;	17Zet Aql	;	2.99;	11000;occ;	95;	0;48804	
5;	2633.5;	30-JUN-2011	15:45:35;	Bright;	43.0;	5;	3Alp Lyr	;	0.03;	11000;occ;	86;	0;48804	
6;	2792.6;	30-JUN-2011	15:48:14;	Bright;	37.0;	130;	23Bet Dra	;	2.80;	5800;occ;	74;	0;48804	
7;	2900.4;	30-JUN-2011	15:50:02;	Bright;	46.5;	144;	18Del Cyg	;	2.86;	11000;occ;	93;	0;48804	
8;	3320.9;	30-JUN-2011	15:57:02;	Bright;	45.0;	89;	5Alp Cep	;	2.45;	8000;occ;	90;	0;48804	
9;	3761.0;	30-JUN-2011	16:04:22;	Bright;	47.0;	74;	11Bet Cas	;	2.27;	6600;occ;	94;	0;48804	
10;	3854.9;	30-JUN-2011	16:05:56;	Bright;	54.0;	110;	37Del Cas	;	2.68;	8900;occ;	108;	0;48804	
11;	4041.8;	30-JUN-2011	16:09:03;	Bright;	56.0;	160;	23Gam Per	;	2.93;	4700;occ;	112;	0;48804	
12;	4145.3;	30-JUN-2011	16:10:47;	Bright;	33.5;	175;	39Del Per	;	3.01;	19400;occ;	67;	0;48804	
13;	4243.8;	30-JUN-2011	16:12:25;	Bright;	48.0;	73;	57Gam1And	;	2.26;	13100;occ;	96;	0;48804	
14;	4402.0;	30-JUN-2011	16:15:03;	Dark	;	49.5;	173;	4Bet Tri	;	3.00;	8900;occ;	99;	0;48804
15;	4657.4;	30-JUN-2011	16:19:19;	Dark	;	57.0;	50;	13Alp Ari	;	2.01;	4250;occ;	114;	0;48804
16;	4956.3;	30-JUN-2011	16:24:18;	Dark	;	49.5;	94;	92Alp Cet	;	2.53;	3100;occ;	99;	0;48804
17;	5488.2;	30-JUN-2011	16:33:10;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;48804
18;	6112.3;	30-JUN-2011	16:43:34;	Dark	;	50.0;	84;	Alp Phe	;	2.40;	4500;occ;	100;	0;48805
19;	6499.6;	30-JUN-2011	16:50:01;	Dark	;	49.5;	63;	Bet Gru	;	2.15;	2800;occ;	99;	0;48805
20;	6615.3;	30-JUN-2011	16:51:57;	Dark	;	50.0;	31;	Alp Gru	;	1.73;	15200;occ;	100;	0;48805
21;	6755.2;	30-JUN-2011	16:54:17;	Dark	;	41.5;	45;	Alp Pav	;	1.94;	26000;occ;	83;	0;48805
22;	7321.3;	30-JUN-2011	17:03:43;	Dark	;	46.5;	103;	38Zet Sgr	;	2.60;	9700;occ;	93;	0;48805
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3;	2109.0;	30-JUN-2011	17:17:05;	Bright;	36.5;	59;	55Alp Oph	;	2.08;	8900;occ;	73;	0;48805	
4;	2214.1;	30-JUN-2011	17:18:50;	Bright;	47.0;	168;	17Zet Aql	;	2.99;	11000;occ;	94;	0;48805	
5;	2633.0;	30-JUN-2011	17:25:49;	Bright;	47.5;	5;	3Alp Lyr	;	0.03;	11000;occ;	95;	0;48805	
6;	2792.5;	30-JUN-2011	17:28:28;	Bright;	38.0;	130;	23Bet Dra	;	2.80;	5800;occ;	76;	0;48805	
7;	2899.6;	30-JUN-2011	17:30:15;	Bright;	47.5;	144;	18Del Cyg	;	2.86;	11000;occ;	95;	0;48805	
8;	3320.3;	30-JUN-2011	17:37:16;	Bright;	44.5;	89;	5Alp Cep	;	2.45;	8000;occ;	89;	0;48805	
9;	3760.4;	30-JUN-2011	17:44:36;	Bright;	68.0;	74;	11Bet Cas	;	2.27;	6600;occ;	136;	0;48805	
10;	3854.5;	30-JUN-2011	17:46:10;	Bright;	45.0;	110;	37Del Cas	;	2.68;	8900;occ;	90;	0;48805	

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 13; 4243.7; 30-JUN-2011 17:52:39; Bright; 49.5; 73; 57Gam1And ; 2.26; 13100;occ; 99; 0;48805
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 16; 4956.7; 30-JUN-2011 18:04:32; Dark ; 48.0; 94; 92Alp Cet ; 2.53; 3100;occ; 96; 0;48805
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 18; 6113.3; 30-JUN-2011 18:23:49; Dark ; 51.5; 84; Alp Phe ; 2.40; 4500;occ; 103; 0;48806
 19; 6500.5; 30-JUN-2011 18:30:16; Dark ; 49.5; 63; Bet Gru ; 2.15; 2800;occ; 99; 0;48806
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