

GOMOS Daily Report 01-JUN-2011

Level 0 and Level 1 products

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

Item	Value
Time of report generation	04JUN2011 07:05:02
Data source version	GOMOS/5.01
Start time of products	01JUN2011 00:00:49
Stop time of products	01JUN2011 23:58:34
Store outputs in DB	Yes
Nb of level 1b prods	334
Nb of prods with errors	2

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

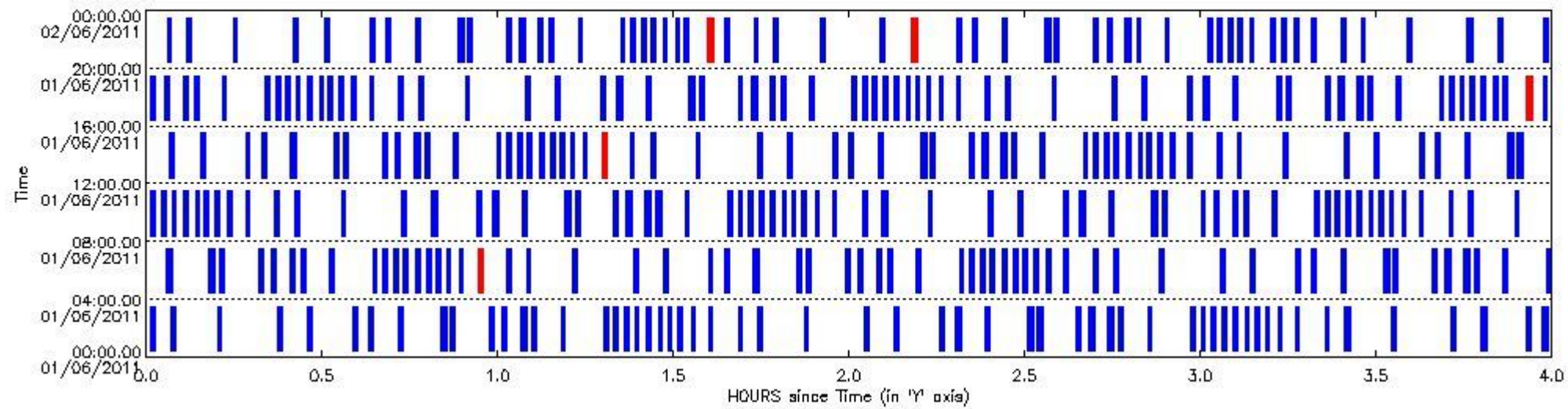
2.1 Level 0 products arrived in PCF (see template [here](#))

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

Red segments are missing products.

Blue segments are available products.

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



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

UTC start time	Star name	Star ID	Orbit
01-JUN-2011 04:56:35	24AlpSer	102	48381
01-JUN-2011 13:17:44	24AlpSer	102	48386
01-JUN-2011 19:55:40	1DelOph	120	48390
01-JUN-2011 21:35:54	1DelOph	120	48391
01-JUN-2011 22:10:39	27GamCas	76	48391

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_1PNPDE20110601_000049_000000433103_00088_48378_1514.N1	01-JUN-2011 00:00:49	Bright	42.500	127	27Bet Her	2.7810	4700.0	85	48378	No
2	GOM_TRA_1PNPDE20110601_000413_000000443103_00088_48378_1515.N1	01-JUN-2011 00:04:13	Bright	43.500	133	40Zet Her	2.8070	6000.0	87	48378	No
3	GOM_TRA_1PNPDE20110601_001209_000000393103_00088_48378_1516.N1	01-JUN-2011 00:12:09	Bright	39.000	119	14Eta Dra	2.7270	4700.0	78	48378	No
4	GOM_TRA_1PNPDE20110601_002226_000000483103_00088_48378_1517.N1	01-JUN-2011 00:22:26	Bright	48.000	89	5Alp Cep	2.4510	8000.0	96	48378	No
5	GOM_TRA_1PNPDE20110601_002732_000000533103_00088_48378_1518.N1	01-JUN-2011 00:27:32	Bright	52.500	76	27Gam Cas	2.3000	30000.0	105	48378	No
6	GOM_TRA_1PNPDE20110601_003517_000000493103_00088_48378_1519.N1	01-JUN-2011 00:35:17	Bright	48.500	53	43Bet And	2.0480	3300.0	97	48378	No

7	GOM_TRA_1PNPDE20110601_003757_000000533103_00088_48378_1520.N1	01-JUN-2011 00:37:57	Twilight	53.000	58	21Alp And	2.0730	11000.	106	48378	No
8	GOM_TRA_1PNPDE20110601_004256_000000513103_00088_48378_1521.N1	01-JUN-2011 00:42:56	Dark	50.500	140	88Gam Peg	2.8340	26000.	101	48378	No
9	GOM_TRA_1PNPDE20110601_005156_000000513103_00088_48378_1550.N1	01-JUN-2011 00:51:56	Dark	50.500	52	16Bet Cet	2.0370	4500.0	101	48378	No
10	GOM_TRA_1PNPDE20110601_005836_000000463103_00088_48378_1551.N1	01-JUN-2011 00:58:36	Dark	45.500	84	Alp Phe	2.3970	4500.0	91	48378	No
11	GOM_TRA_1PNPDE20110601_010042_000000553103_00088_48378_1552.N1	01-JUN-2011 01:00:42	Dark	54.500	18	24Alp PsA	1.1660	9700.0	109	48378	No
12	GOM_TRA_1PNPDE20110601_010357_000000583103_00089_48379_1553.N1	01-JUN-2011 01:03:57	Dark	57.500	63	Bet Gru	2.1500	2800.0	115	48379	No
13	GOM_TRA_1PNPDE20110601_010550_000000453103_00089_48379_1554.N1	01-JUN-2011 01:05:50	Dark	45.000	31	Alp Gru	1.7340	15200.	90	48379	No
14	GOM_TRA_1PNPDE20110601_011046_000000433103_00089_48379_1555.N1	01-JUN-2011 01:10:46	Straylight	42.500	45	Alp Pav	1.9400	26000.	85	48379	No
15	GOM_TRA_1PNPDE20110601_011808_000000433103_00089_48379_1556.N1	01-JUN-2011 01:18:08	Straylight	42.500	147	Alp Ara	2.8770	26000.	85	48379	No
16	GOM_TRA_1PNPDE20110601_011949_000000473103_00089_48379_1557.N1	01-JUN-2011 01:19:49	Straylight	46.500	40	The Sco	1.8590	7100.0	93	48379	No
17	GOM_TRA_1PNPDE20110601_012137_000000473103_00089_48379_1558.N1	01-JUN-2011 01:21:37	Twilight	46.500	25	35Lam Sco	1.6200	28000.	93	48379	No
18	GOM_TRA_1PNPDE20110601_012321_000000463103_00089_48379_1559.N1	01-JUN-2011 01:23:21	Twilight	45.500	75	26Eps Sco	2.2910	4250.0	91	48379	No
19	GOM_TRA_1PNPDE20110601_012523_000000513103_00089_48379_1560.N1	01-JUN-2011 01:25:23	Bright	51.000	136	23Tau Sco	2.8220	30000.	102	48379	No
20	GOM_TRA_1PNPDE20110601_012727_000000413103_00089_48379_1561.N1	01-JUN-2011 01:27:27	Bright	41.000	80	7Del Sco	2.3160	30000.	82	48379	No
21	GOM_TRA_1PNPDE20110601_012858_000000463103_00089_48379_1562.N1	01-JUN-2011 01:28:58	Bright	46.000	86	35Eta Oph	2.4300	10200.	92	48379	No
22	GOM_TRA_1PNPDE20110601_013049_000000433103_00089_48379_1563.N1	01-JUN-2011 01:30:49	Bright	43.000	98	13Zet Oph	2.5710	30000.	86	48379	No
23	GOM_TRA_1PNPDE20110601_013300_000000403103_00089_48379_1564.N1	01-JUN-2011 01:33:00	Bright	39.500	120	1Del Oph	2.7340	3200.0	79	48379	No
24	GOM_TRA_1PNPDE20110601_013600_000000373103_00089_48379_1565.N1	01-JUN-2011 01:36:00	Bright	37.000	102	24Alp Ser	2.6000	4250.0	74	48379	No
25	GOM_TRA_1PNPDE20110601_014102_000000443103_00089_48379_1566.N1	01-JUN-2011 01:41:02	Bright	44.000	127	27Bet Her	2.7810	4700.0	88	48379	No
26	GOM_TRA_1PNPDE20110601_014426_000000443103_00089_48379_1567.N1	01-JUN-2011 01:44:26	Bright	44.000	133	40Zet Her	2.8070	6000.0	88	48379	No
27	GOM_TRA_1PNPDE20110601_015223_000000393103_00089_48379_1568.N1	01-JUN-2011 01:52:23	Bright	39.000	119	14Eta Dra	2.7270	4700.0	78	48379	No
28	GOM_TRA_1PNPDE20110601_020240_000000493103_00089_48379_1569.N1	01-JUN-2011 02:02:40	Bright	48.500	89	5Alp Cep	2.4510	8000.0	97	48379	No
29	GOM_TRA_1PNPDE20110601_020746_000000383103_00089_48379_1570.N1	01-JUN-2011 02:07:46	Bright	37.500	76	27Gam Cas	2.3000	30000.	75	48379	No
30	GOM_TRA_1PNPDE20110601_021531_000000433103_00089_48379_1571.N1	01-JUN-2011 02:15:31	Bright	43.000	53	43Bet And	2.0480	3300.0	86	48379	No
31	GOM_TRA_1PNPDE20110601_021812_000000553103_00089_48379_1572.N1	01-JUN-2011 02:18:12	Twilight	55.000	58	21Alp And	2.0730	11000.	110	48379	No
32	GOM_TRA_1PNPDE20110601_022311_000000523103_00089_48379_1573.N1	01-JUN-2011 02:23:11	Dark	52.000	140	88Gam Peg	2.8340	26000.	104	48379	No
33	GOM_TRA_1PNPDE20110601_023211_000000533103_00089_48379_1600.N1	01-JUN-2011 02:32:11	Dark	53.000	52	16Bet Cet	2.0370	4500.0	106	48379	No
34	GOM_TRA_1PNPDE20110601_023851_000000493103_00089_48379_1601.N1	01-JUN-2011 02:38:51	Dark	49.000	84	Alp Phe	2.3970	4500.0	98	48379	No
35	GOM_TRA_1PNPDE20110601_024057_000000543103_00089_48379_1602.N1	01-JUN-2011 02:40:57	Dark	53.500	18	24Alp PsA	1.1660	9700.0	107	48379	No
36	GOM_TRA_1PNPDE20110601_024412_000000523103_00090_48380_1603.N1	01-JUN-2011 02:44:12	Dark	51.500	63	Bet Gru	2.1500	2800.0	103	48380	No
37	GOM_TRA_1PNPDE20110601_024605_000000453103_00090_48380_1604.N1	01-JUN-2011 02:46:05	Dark	44.500	31	Alp Gru	1.7340	15200.	89	48380	No
38	GOM_TRA_1PNPDE20110601_025100_000000433103_00090_48380_1605.N1	01-JUN-2011 02:51:00	Straylight	43.000	45	Alp Pav	1.9400	26000.	86	48380	No
39	GOM_TRA_1PNPDE20110601_025823_000000413103_00090_48380_1606.N1	01-JUN-2011 02:58:23	Straylight	40.500	147	Alp Ara	2.8770	26000.	81	48380	No
40	GOM_TRA_1PNPDE20110601_030004_000000473103_00090_48380_1607.N1	01-JUN-2011 03:00:04	Straylight	46.500	40	The Sco	1.8590	7100.0	93	48380	No
41	GOM_TRA_1PNPDE20110601_030151_000000473103_00090_48380_1608.N1	01-JUN-2011 03:01:51	Twilight	47.000	25	35Lam Sco	1.6200	28000.	94	48380	No
42	GOM_TRA_1PNPDE20110601_030336_000000463103_00090_48380_1609.N1	01-JUN-2011 03:03:36	Twilight	45.500	75	26Eps Sco	2.2910	4250.0	91	48380	No
43	GOM_TRA_1PNPDE20110601_030537_000000413103_00090_48380_1610.N1	01-JUN-2011 03:05:37	Bright	41.000	136	23Tau Sco	2.8220	30000.	82	48380	No
44	GOM_TRA_1PNPDE20110601_030741_000000403103_00090_48380_1611.N1	01-JUN-2011 03:07:41	Bright	39.500	80	7Del Sco	2.3160	30000.	79	48380	No
45	GOM_TRA_1PNPDE20110601_030912_000000463103_00090_48380_1612.N1	01-JUN-2011 03:09:12	Bright	45.500	86	35Eta Oph	2.4300	10200.	91	48380	No
46	GOM_TRA_1PNPDE20110601_031103_000000423103_00090_48380_1613.N1	01-JUN-2011 03:11:03	Bright	41.500	98	13Zet Oph	2.5710	30000.	83	48380	No
47	GOM_TRA_1PNPDE20110601_031314_000000393103_00090_48380_1614.N1	01-JUN-2011 03:13:14	Bright	39.000	120	1Del Oph	2.7340	3200.0	78	48380	No
48	GOM_TRA_1PNPDE20110601_031614_000000373103_00090_48380_1615.N1	01-JUN-2011 03:16:14	Bright	36.500	102	24Alp Ser	2.6000	4250.0	73	48380	No
49	GOM_TRA_1PNPDE20110601_032116_000000423103_00090_48380_1616.N1	01-JUN-2011 03:21:16	Bright	42.000	127	27Bet Her	2.7810	4700.0	84	48380	No
50	GOM_TRA_1PNPDE20110601_032440_000000633103_00090_48380_1617.N1	01-JUN-2011 03:24:40	Bright	63.000	133	40Zet Her	2.8070	6000.0	126	48380	No
51	GOM_TRA_1PNPDE20110601_033237_000000403103_00090_48380_1618.N1	01-JUN-2011 03:32:37	Bright	39.500	119	14Eta Dra	2.7270	4700.0	79	48380	No
52	GOM_TRA_1PNPDE20110601_034253_000000453103_00090_48380_1649.N1	01-JUN-2011 03:42:53	Bright	45.000	89	5Alp Cep	2.4510	8000.0	90	48380	No
53	GOM_TRA_1PNPDE20110601_034759_000000513103_00090_48380_1650.N1	01-JUN-2011 03:47:59	Bright	50.500	76	27Gam Cas	2.3000	30000.	101	48380	No
54	GOM_TRA_1PNPDE20110601_035545_000000443103_00090_48380_1651.N1	01-JUN-2011 03:55:45	Bright	44.000	53	43Bet And	2.0480	3300.0	88	48380	No
55	GOM_TRA_1PNPDE20110601_035826_000000563103_00090_48380_1652.N1	01-JUN-2011 03:58:26	Twilight	55.500	58	21Alp And	2.0730	11000.	111	48380	No
56	GOM_TRA_1PNPDE20110601_040325_000000543103_00090_48380_1653.N1	01-JUN-2011 04:03:25	Dark	53.500	140	88Gam Peg	2.8340	26000.	107	48380	No
57	GOM_TRA_1PNPDE20110601_041226_000000503103_00090_48380_1654.N1	01-JUN-2011 04:12:26	Dark	49.500	52	16Bet Cet	2.0370	4500.0	99	48380	No
58	GOM_TRA_1PNPDE20110601_041906_000000523103_00090_48380_1655.N1	01-JUN-2011 04:19:06	Dark	51.500	84	Alp Phe	2.3970	4500.0	103	48380	No
59	GOM_TRA_1PNPDE20110601_042112_000000563103_00090_48380_1656.N1	01-JUN-2011 04:21:12	Dark	56.000	18	24Alp PsA	1.1660	9700.0	112	48380	No
60	GOM_TRA_1PNPDE20110601_042427_000000553103_00091_48381_1657.N1	01-JUN-2011 04:24:27	Dark	54.500	63	Bet Gru	2.1500	2800.0	109	48381	No
61	GOM_TRA_1PNPDE20110601_042620_000000463103_00091_48381_1658.N1	01-JUN-2011 04:26:20	Dark	46.000	31	Alp Gru	1.7340	15200.	92	48381	No
62	GOM_TRA_1PNPDE20110601_043115_000000433103_00091_48381_1659.N1	01-JUN-2011 04:31:15	Straylight	43.000	45	Alp Pav	1.9400	26000.	86	48381	No
63	GOM_TRA_1PNPDE20110601_043837_000000433103_00091_48381_1660.N1	01-JUN-2011 04:38:37	Straylight	42.500	147	Alp Ara	2.8770	26000.	85	48381	No
64	GOM_TRA_1PNPDE20110601_044018_000000543103_00091_48381_1661.N1	01-JUN-2011 04:40:18	Straylight	54.000	40	The Sco	1.8590	7100.0	108	48381	No
65	GOM_TRA_1PNPDE20110601_044205_000000493103_00091_48381_1662.N1	01-JUN-2011 04:42:05	Twilight	48.500	25	35Lam Sco	1.6200	28000.	97	48381	No

66	GOM_TRA_1PNPDE20110601_044350_000000473103_00091_48381_1663.N1	01-JUN-2011 04:43:50	Twilight	47.000	75	26Eps Sco	2.2910	4250.0	94	48381	No
67	GOM_TRA_1PNPDE20110601_044551_000000573103_00091_48381_1664.N1	01-JUN-2011 04:45:51	Bright	57.000	136	23Tau Sco	2.8220	30000.	114	48381	No
68	GOM_TRA_1PNPDE20110601_044755_000000403103_00091_48381_1665.N1	01-JUN-2011 04:47:55	Bright	39.500	80	7Del Sco	2.3160	30000.	79	48381	No
69	GOM_TRA_1PNPDE20110601_044926_000000473103_00091_48381_1666.N1	01-JUN-2011 04:49:26	Bright	46.500	86	35Eta Oph	2.4300	10200.	93	48381	No
70	GOM_TRA_1PNPDE20110601_045117_000000423103_00091_48381_1667.N1	01-JUN-2011 04:51:17	Bright	42.000	98	13Zet Oph	2.5710	30000.	84	48381	No
71	GOM_TRA_1PNPDE20110601_045328_000000403103_00091_48381_1668.N1	01-JUN-2011 04:53:28	Bright	39.500	120	1Del Oph	2.7340	3200.0	79	48381	No
72	GOM_TRA_1PNPDE20110601_050130_000000413103_00091_48381_1669.N1	01-JUN-2011 05:01:30	Bright	41.000	127	27Bet Her	2.7810	4700.0	82	48381	No
73	GOM_TRA_1PNPDE20110601_050453_000000443103_00091_48381_1670.N1	01-JUN-2011 05:04:53	Bright	43.500	133	40Zet Her	2.8070	6000.0	87	48381	No
74	GOM_TRA_1PNPDE20110601_051250_000000383103_00091_48381_1671.N1	01-JUN-2011 05:12:50	Bright	38.000	119	14Eta Dra	2.7270	4700.0	76	48381	No
75	GOM_TRA_1PNPDE20110601_052307_000000533103_00091_48381_1735.N1	01-JUN-2011 05:23:07	Bright	53.000	89	5Alp Cep	2.4510	8000.0	106	48381	No
76	GOM_TRA_1PNPDE20110601_052813_000000463103_00091_48381_1736.N1	01-JUN-2011 05:28:13	Bright	46.000	76	27Gam Cas	2.3000	30000.	92	48381	No
77	GOM_TRA_1PNPDE20110601_053559_000000443103_00091_48381_1737.N1	01-JUN-2011 05:35:59	Bright	43.500	53	43Bet And	2.0480	3300.0	87	48381	No
78	GOM_TRA_1PNPDE20110601_053840_000000533103_00091_48381_1738.N1	01-JUN-2011 05:38:40	Twilight	54.500	58	21Alp And	2.0730	11000.	109	48381	No
79	GOM_TRA_1PNPDE20110601_054340_000000533103_00091_48381_1739.N1	01-JUN-2011 05:43:40	Dark	53.000	140	88Gam Peg	2.8340	26000.	106	48381	No
80	GOM_TRA_1PNPDE20110601_055240_000000483103_00091_48381_1740.N1	01-JUN-2011 05:52:40	Dark	48.000	52	16Bet Cet	2.0370	4500.0	96	48381	No
81	GOM_TRA_1PNPDE20110601_055920_000000443103_00091_48381_1741.N1	01-JUN-2011 05:59:20	Dark	44.000	84	Alp Phe	2.3970	4500.0	88	48381	No
82	GOM_TRA_1PNPDE20110601_060128_000000573103_00091_48381_1742.N1	01-JUN-2011 06:01:28	Dark	57.000	18	24Alp PsA	1.1660	9700.0	114	48381	No
83	GOM_TRA_1PNPDE20110601_060442_000000493103_00092_48382_1743.N1	01-JUN-2011 06:04:42	Dark	48.500	63	Bet Gru	2.1500	2800.0	97	48382	No
84	GOM_TRA_1PNPDE20110601_060635_000000453103_00092_48382_1744.N1	01-JUN-2011 06:06:35	Dark	44.500	31	Alp Gru	1.7340	15200.	89	48382	No
85	GOM_TRA_1PNPDE20110601_061130_000000423103_00092_48382_1745.N1	01-JUN-2011 06:11:30	Straylight	41.500	45	Alp Pav	1.9400	26000.	83	48382	No
86	GOM_TRA_1PNPDE20110601_061852_000000433103_00092_48382_1746.N1	01-JUN-2011 06:18:52	Straylight	42.500	147	Alp Ara	2.8770	26000.	85	48382	No
87	GOM_TRA_1PNPDE20110601_062033_000000453103_00092_48382_1747.N1	01-JUN-2011 06:20:33	Straylight	44.500	40	The Sco	1.8590	7100.0	89	48382	No
88	GOM_TRA_1PNPDE20110601_062220_000000483103_00092_48382_1748.N1	01-JUN-2011 06:22:20	Twilight	47.500	25	35Lam Sco	1.6200	28000.	95	48382	No
89	GOM_TRA_1PNPDE20110601_062405_000000483103_00092_48382_1749.N1	01-JUN-2011 06:24:05	Twilight	48.000	75	26Eps Sco	2.2910	4250.0	96	48382	No
90	GOM_TRA_1PNPDE20110601_062605_000000453103_00092_48382_1750.N1	01-JUN-2011 06:26:05	Bright	44.500	136	23Tau Sco	2.8220	30000.	89	48382	No
91	GOM_TRA_1PNPDE20110601_062809_000000403103_00092_48382_1751.N1	01-JUN-2011 06:28:09	Bright	40.000	80	7Del Sco	2.3160	30000.	80	48382	No
92	GOM_TRA_1PNPDE20110601_062940_000000463103_00092_48382_1752.N1	01-JUN-2011 06:29:40	Bright	46.000	86	35Eta Oph	2.4300	10200.	92	48382	No
93	GOM_TRA_1PNPDE20110601_063131_000000433103_00092_48382_1753.N1	01-JUN-2011 06:31:31	Bright	42.500	98	13Zet Oph	2.5710	30000.	85	48382	No
94	GOM_TRA_1PNPDE20110601_063342_000000393103_00092_48382_1754.N1	01-JUN-2011 06:33:42	Bright	39.000	120	1Del Oph	2.7340	3200.0	78	48382	No
95	GOM_TRA_1PNPDE20110601_063642_000000373103_00092_48382_1755.N1	01-JUN-2011 06:36:42	Bright	37.000	102	24Alp Ser	2.6000	4250.0	74	48382	No
96	GOM_TRA_1PNPDE20110601_064143_000000443103_00092_48382_1756.N1	01-JUN-2011 06:41:43	Bright	44.000	127	27Bet Her	2.7810	4700.0	88	48382	No
97	GOM_TRA_1PNPDE20110601_064507_000000453103_00092_48382_1757.N1	01-JUN-2011 06:45:07	Bright	44.500	133	40Zet Her	2.8070	6000.0	89	48382	No
98	GOM_TRA_1PNPDE20110601_065304_000000393103_00092_48382_1758.N1	01-JUN-2011 06:53:04	Bright	39.000	119	14Eta Dra	2.7270	4700.0	78	48382	No
99	GOM_TRA_1PNPDE20110601_070320_000000463103_00092_48382_1759.N1	01-JUN-2011 07:03:20	Bright	46.000	89	5Alp Cep	2.4510	8000.0	92	48382	No
100	GOM_TRA_1PNPDK20110601_070827_000000563103_00092_48382_6940.N1	01-JUN-2011 07:08:27	Bright	56.000	76	27Gam Cas	2.3000	30000.	112	48382	No
101	GOM_TRA_1PNPDK20110601_071613_000000583103_00092_48382_6941.N1	01-JUN-2011 07:16:13	Bright	58.000	53	43Bet And	2.0480	3300.0	116	48382	No
102	GOM_TRA_1PNPDK20110601_071854_000000523103_00092_48382_6942.N1	01-JUN-2011 07:18:54	Twilight	51.500	58	21Alp And	2.0730	11000.	103	48382	No
103	GOM_TRA_1PNPDK20110601_072354_000000543103_00092_48382_6943.N1	01-JUN-2011 07:23:54	Dark	53.500	140	88Gam Peg	2.8340	26000.	107	48382	No
104	GOM_TRA_1PNPDK20110601_073255_000000473103_00092_48382_6944.N1	01-JUN-2011 07:32:55	Dark	47.000	52	16Bet Cet	2.0370	4500.0	94	48382	No
105	GOM_TRA_1PNPDK20110601_073935_000000463103_00092_48382_6945.N1	01-JUN-2011 07:39:35	Dark	45.500	84	Alp Phe	2.3970	4500.0	91	48382	No
106	GOM_TRA_1PNPDK20110601_074143_000000673103_00092_48382_6946.N1	01-JUN-2011 07:41:43	Dark	67.000	18	24Alp PsA	1.1660	9700.0	134	48382	No
107	GOM_TRA_1PNPDK20110601_074457_000000633103_00093_48383_6947.N1	01-JUN-2011 07:44:57	Dark	63.000	63	Bet Gru	2.1500	2800.0	126	48383	No
108	GOM_TRA_1PNPDK20110601_074650_000000473103_00093_48383_6948.N1	01-JUN-2011 07:46:50	Dark	47.000	31	Alp Gru	1.7340	15200.	94	48383	No
109	GOM_TRA_1PNPDK20110601_075144_000000443103_00093_48383_6949.N1	01-JUN-2011 07:51:44	Straylight	43.500	45	Alp Pav	1.9400	26000.	87	48383	No
110	GOM_TRA_1PNPDK20110601_075906_000000403103_00093_48383_6950.N1	01-JUN-2011 07:59:06	Straylight	39.500	147	Alp Ara	2.8770	26000.	79	48383	No
111	GOM_TRA_1PNPDK20110601_080047_000000463103_00093_48383_6951.N1	01-JUN-2011 08:00:47	Straylight	46.000	40	The Sco	1.8590	7100.0	92	48383	No
112	GOM_TRA_1PNPDK20110601_080234_000000483103_00093_48383_6952.N1	01-JUN-2011 08:02:34	Twilight	47.500	25	35Lam Sco	1.6200	28000.	95	48383	No
113	GOM_TRA_1PNPDK20110601_080419_000000453103_00093_48383_6953.N1	01-JUN-2011 08:04:19	Twilight	45.000	75	26Eps Sco	2.2910	4250.0	90	48383	No
114	GOM_TRA_1PNPDK20110601_080620_000000423103_00093_48383_6954.N1	01-JUN-2011 08:06:20	Bright	41.500	136	23Tau Sco	2.8220	30000.	83	48383	No
115	GOM_TRA_1PNPDK20110601_080823_000000403103_00093_48383_6955.N1	01-JUN-2011 08:08:23	Bright	39.500	80	7Del Sco	2.3160	30000.	79	48383	No
116	GOM_TRA_1PNPDK20110601_080954_000000463103_00093_48383_6956.N1	01-JUN-2011 08:09:54	Bright	45.500	86	35Eta Oph	2.4300	10200.	91	48383	No
117	GOM_TRA_1PNPDK20110601_081145_000000423103_00093_48383_7023.N1	01-JUN-2011 08:11:45	Bright	41.500	98	13Zet Oph	2.5710	30000.	83	48383	No
118	GOM_TRA_1PNPDK20110601_081356_000000393103_00093_48383_7024.N1	01-JUN-2011 08:13:56	Bright	39.000	120	1Del Oph	2.7340	3200.0	78	48383	No
119	GOM_TRA_1PNPDK20110601_081655_000000383103_00093_48383_7025.N1	01-JUN-2011 08:16:55	Bright	37.500	102	24Alp Ser	2.6000	4250.0	75	48383	No
120	GOM_TRA_1PNPDK20110601_082157_000000433103_00093_48383_7026.N1	01-JUN-2011 08:21:57	Bright	43.000	127	27Bet Her	2.7810	4700.0	86	48383	No
121	GOM_TRA_1PNPDK20110601_082520_000000413103_00093_48383_7027.N1	01-JUN-2011 08:25:20	Bright	41.000	133	40Zet Her	2.8070	6000.0	82	48383	No
122	GOM_TRA_1PNPDK20110601_083318_000000393103_00093_48383_7028.N1	01-JUN-2011 08:33:18	Bright	39.000	119	14Eta Dra	2.7270	4700.0	78	48383	No
123	GOM_TRA_1PNPDK20110601_084334_000000483103_00093_48383_7029.N1	01-JUN-2011 08:43:34	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	48383	No
124	GOM_TRA_1PNPDK20110601_084841_000000563103_00093_48383_7030.N1	01-JUN-2011 08:48:41	Bright	56.000	76	27Gam Cas	2.3000	30000.	112	48383	No

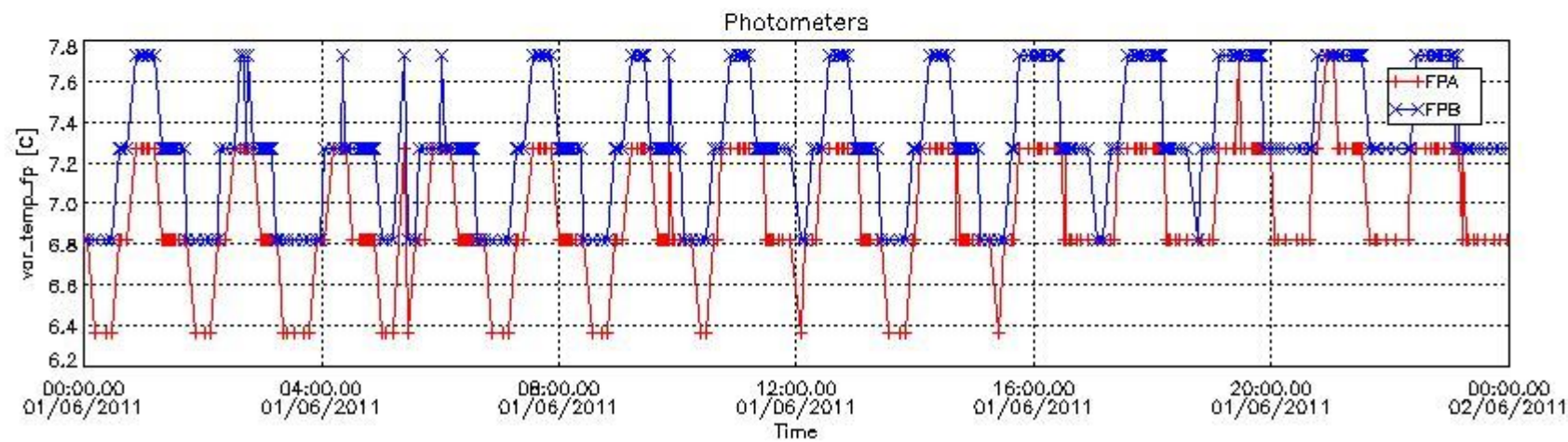
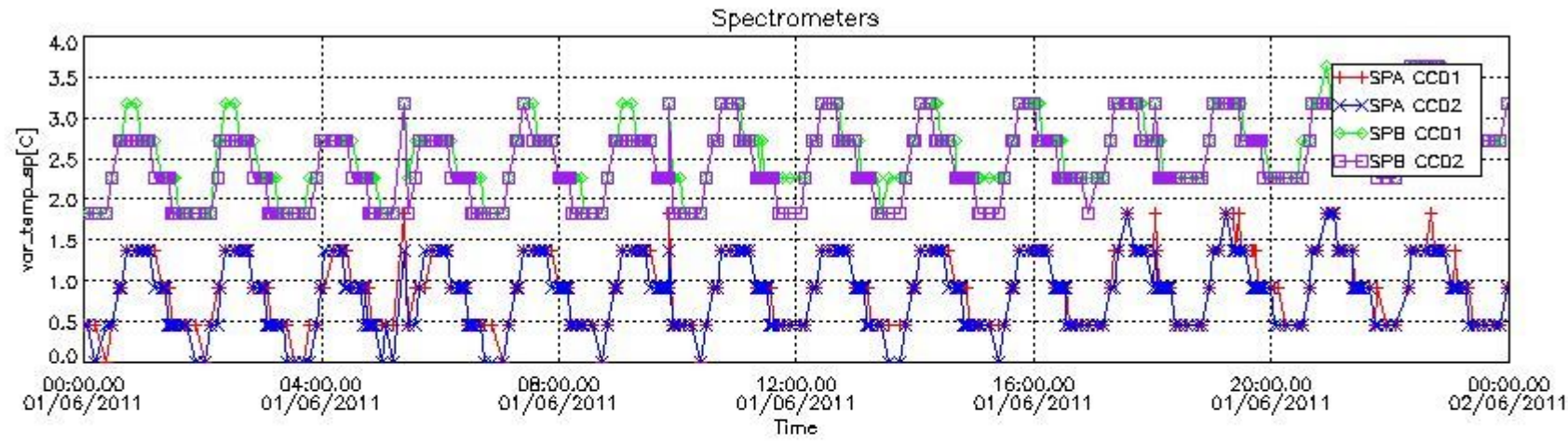
125	GOM_TRA_1PNPDK20110601_085627_000000473103_00093_48383_7031.N1	01-JUN-2011 08:56:27	Bright	47.000	53	43Bet And	2.0480	3300.0	94	48383	No
126	GOM_TRA_1PNPDK20110601_085909_000000563103_00093_48383_7032.N1	01-JUN-2011 08:59:09	Tw_i_and_stray	55.500	58	21Alp And	2.0730	11000.	111	48383	No
127	GOM_TRA_1PNPDK20110601_090409_000000513103_00093_48383_7033.N1	01-JUN-2011 09:04:09	Dark	50.500	140	88Gam Peg	2.8340	26000.	101	48383	No
128	GOM_TRA_1PNPDK20110601_091310_000000503103_00093_48383_7034.N1	01-JUN-2011 09:13:10	Dark	50.000	52	16Bet Cet	2.0370	4500.0	100	48383	No
129	GOM_TRA_1PNPDK20110601_091949_000000463103_00093_48383_7035.N1	01-JUN-2011 09:19:49	Dark	45.500	84	Alp Phe	2.3970	4500.0	91	48383	No
130	GOM_TRA_1PNPDK20110601_092158_000000593103_00093_48383_7036.N1	01-JUN-2011 09:21:58	Dark	58.500	18	24Alp PsA	1.1660	9700.0	117	48383	No
131	GOM_TRA_1PNPDK20110601_092512_000000513103_00094_48384_7037.N1	01-JUN-2011 09:25:12	Dark	51.000	63	Bet Gru	2.1500	2800.0	102	48384	No
132	GOM_TRA_1PNPDK20110601_092705_000000533103_00094_48384_7038.N1	01-JUN-2011 09:27:05	Dark	53.000	31	Alp Gru	1.7340	15200.	106	48384	No
133	GOM_TRA_1PNPDK20110601_093159_000000443103_00094_48384_7039.N1	01-JUN-2011 09:31:59	Straylight	43.500	45	Alp Pav	1.9400	26000.	87	48384	No
134	GOM_TRA_1PNPDK20110601_093920_000000413103_00094_48384_7040.N1	01-JUN-2011 09:39:20	Straylight	41.000	147	Alp Ara	2.8770	26000.	82	48384	No
135	GOM_TRA_1PNPDK20110601_094102_000000483103_00094_48384_7041.N1	01-JUN-2011 09:41:02	Straylight	47.500	40	The Sco	1.8590	7100.0	95	48384	No
136	GOM_TRA_1PNPDK20110601_094249_000000503103_00094_48384_7042.N1	01-JUN-2011 09:42:49	Tw_i_and_stray	49.500	25	35Lam Sco	1.6200	28000.	99	48384	No
137	GOM_TRA_1PNPDK20110601_094433_000000503103_00094_48384_7043.N1	01-JUN-2011 09:44:33	Tw_i_and_stray	50.000	75	26Eps Sco	2.2910	4250.0	100	48384	No
138	GOM_TRA_1PNPDK20110601_094634_000000423103_00094_48384_7044.N1	01-JUN-2011 09:46:34	Bright	42.000	136	23Tau Sco	2.8220	30000.	84	48384	No
139	GOM_TRA_1PNPDK20110601_094838_000000403103_00094_48384_7045.N1	01-JUN-2011 09:48:38	Bright	40.000	80	7Del Sco	2.3160	30000.	80	48384	No
140	GOM_TRA_1PNPDK20110601_095009_000000473103_00094_48384_7046.N1	01-JUN-2011 09:50:09	Bright	46.500	86	35Eta Oph	2.4300	10200.	93	48384	No
141	GOM_TRA_1PNPDK20110601_095159_000000423103_00094_48384_7093.N1	01-JUN-2011 09:51:59	Bright	41.500	98	13Zet Oph	2.5710	30000.	83	48384	Yes
142	GOM_TRA_1PNPDK20110601_095410_000000393103_00094_48384_7094.N1	01-JUN-2011 09:54:10	Bright	39.000	120	1Del Oph	2.7340	3200.0	78	48384	No
143	GOM_TRA_1PNPDK20110601_095710_000000373103_00094_48384_7095.N1	01-JUN-2011 09:57:10	Bright	37.000	102	24Alp Ser	2.6000	4250.0	74	48384	No
144	GOM_TRA_1PNPDK20110601_100211_000000613103_00094_48384_7096.N1	01-JUN-2011 10:02:11	Bright	61.000	127	27Bet Her	2.7810	4700.0	122	48384	No
145	GOM_TRA_1PNPDK20110601_100534_000000633103_00094_48384_7097.N1	01-JUN-2011 10:05:34	Bright	63.000	133	40Zet Her	2.8070	6000.0	126	48384	No
146	GOM_TRA_1PNPDK20110601_101332_000000393103_00094_48384_7098.N1	01-JUN-2011 10:13:32	Bright	39.000	119	14Eta Dra	2.7270	4700.0	78	48384	No
147	GOM_TRA_1PNPDK20110601_102347_000000473103_00094_48384_7099.N1	01-JUN-2011 10:23:47	Bright	46.500	89	5Alp Cep	2.4510	8000.0	93	48384	No
148	GOM_TRA_1PNPDK20110601_102855_000000373103_00094_48384_7100.N1	01-JUN-2011 10:28:55	Bright	36.500	76	27Gam Cas	2.3000	30000.	73	48384	No
149	GOM_TRA_1PNPDK20110601_103641_000000463103_00094_48384_7101.N1	01-JUN-2011 10:36:41	Bright	46.000	53	43Bet And	2.0480	3300.0	92	48384	No
150	GOM_TRA_1PNPDK20110601_103923_000000573103_00094_48384_7102.N1	01-JUN-2011 10:39:23	Tw_i_and_stray	56.500	58	21Alp And	2.0730	11000.	113	48384	No
151	GOM_TRA_1PNPDK20110601_104423_000000533103_00094_48384_7103.N1	01-JUN-2011 10:44:23	Dark	53.000	140	88Gam Peg	2.8340	26000.	106	48384	No
152	GOM_TRA_1PNPDK20110601_105324_000000493103_00094_48384_7104.N1	01-JUN-2011 10:53:24	Dark	48.500	52	16Bet Cet	2.0370	4500.0	97	48384	No
153	GOM_TRA_1PNPDK20110601_110004_000000453103_00094_48384_7105.N1	01-JUN-2011 11:00:04	Dark	44.500	84	Alp Phe	2.3970	4500.0	89	48384	No
154	GOM_TRA_1PNPDK20110601_110213_000000623103_00094_48384_7106.N1	01-JUN-2011 11:02:13	Dark	61.500	18	24Alp PsA	1.1660	9700.0	123	48384	No
155	GOM_TRA_1PNPDK20110601_110527_000000523103_00095_48385_7107.N1	01-JUN-2011 11:05:27	Dark	51.500	63	Bet Gru	2.1500	2800.0	103	48385	No
156	GOM_TRA_1PNPDK20110601_110720_000000473103_00095_48385_7108.N1	01-JUN-2011 11:07:20	Dark	47.000	31	Alp Gru	1.7340	15200.	94	48385	No
157	GOM_TRA_1PNPDK20110601_111214_000000433103_00095_48385_7109.N1	01-JUN-2011 11:12:14	Straylight	42.500	45	Alp Pav	1.9400	26000.	85	48385	No
158	GOM_TRA_1PNPDK20110601_111935_000000413103_00095_48385_7110.N1	01-JUN-2011 11:19:35	Straylight	40.500	147	Alp Ara	2.8770	26000.	81	48385	No
159	GOM_TRA_1PNPDK20110601_112116_000000493103_00095_48385_7111.N1	01-JUN-2011 11:21:16	Straylight	49.000	40	The Sco	1.8590	7100.0	98	48385	No
160	GOM_TRA_1PNPDK20110601_112303_000000483103_00095_48385_7112.N1	01-JUN-2011 11:23:03	Tw_i_and_stray	48.000	25	35Lam Sco	1.6200	28000.	96	48385	No
161	GOM_TRA_1PNPDK20110601_112447_000000483103_00095_48385_7113.N1	01-JUN-2011 11:24:47	Tw_i_and_stray	47.500	75	26Eps Sco	2.2910	4250.0	95	48385	No
162	GOM_TRA_1PNPDK20110601_112648_000000483103_00095_48385_7114.N1	01-JUN-2011 11:26:48	Bright	47.500	136	23Tau Sco	2.8220	30000.	95	48385	No
163	GOM_TRA_1PNPDK20110601_112852_000000393103_00095_48385_7115.N1	01-JUN-2011 11:28:52	Bright	39.000	80	7Del Sco	2.3160	30000.	78	48385	No
164	GOM_TRA_1PNPDK20110601_113022_000000463103_00095_48385_7116.N1	01-JUN-2011 11:30:22	Bright	45.500	86	35Eta Oph	2.4300	10200.	91	48385	No
165	GOM_TRA_1PNPDK20110601_113213_000000423103_00095_48385_7160.N1	01-JUN-2011 11:32:13	Bright	41.500	98	13Zet Oph	2.5710	30000.	83	48385	No
166	GOM_TRA_1PNPDK20110601_113424_000000393103_00095_48385_7161.N1	01-JUN-2011 11:34:24	Bright	39.000	120	1Del Oph	2.7340	3200.0	78	48385	No
167	GOM_TRA_1PNPDK20110601_113723_000000373103_00095_48385_7162.N1	01-JUN-2011 11:37:23	Bright	37.000	102	24Alp Ser	2.6000	4250.0	74	48385	No
168	GOM_TRA_1PNPDK20110601_114224_000000433103_00095_48385_7163.N1	01-JUN-2011 11:42:24	Bright	43.000	127	27Bet Her	2.7810	4700.0	86	48385	No
169	GOM_TRA_1PNPDK20110601_114547_000000413103_00095_48385_7164.N1	01-JUN-2011 11:45:47	Bright	41.000	133	40Zet Her	2.8070	6000.0	82	48385	No
170	GOM_TRA_1PNPDK20110601_115345_000000393103_00095_48385_7165.N1	01-JUN-2011 11:53:45	Bright	38.500	119	14Eta Dra	2.7270	4700.0	77	48385	No
171	GOM_TRA_1PNPDK20110601_120400_000000483103_00095_48385_7166.N1	01-JUN-2011 12:04:00	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	48385	No
172	GOM_TRA_1PNPDK20110601_120909_000000523103_00095_48385_7167.N1	01-JUN-2011 12:09:09	Bright	52.000	76	27Gam Cas	2.3000	30000.	104	48385	No
173	GOM_TRA_1PNPDK20110601_121655_000000463103_00095_48385_7168.N1	01-JUN-2011 12:16:55	Bright	46.000	53	43Bet And	2.0480	3300.0	92	48385	No
174	GOM_TRA_1PNPDK20110601_121937_000000553103_00095_48385_7169.N1	01-JUN-2011 12:19:37	Tw_i_and_stray	54.500	58	21Alp And	2.0730	11000.	109	48385	No
175	GOM_TRA_1PNPDK20110601_122438_000000533103_00095_48385_7170.N1	01-JUN-2011 12:24:38	Dark	53.000	140	88Gam Peg	2.8340	26000.	106	48385	No
176	GOM_TRA_1PNPDK20110601_123339_000000483103_00095_48385_7171.N1	01-JUN-2011 12:33:39	Dark	48.000	52	16Bet Cet	2.0370	4500.0	96	48385	No
177	GOM_TRA_1PNPDK20110601_124018_000000453103_00095_48385_7172.N1	01-JUN-2011 12:40:18	Dark	45.000	84	Alp Phe	2.3970	4500.0	90	48385	No
178	GOM_TRA_1PNPDK20110601_124228_000000533103_00095_48385_7173.N1	01-JUN-2011 12:42:28	Dark	52.500	18	24Alp PsA	1.1660	9700.0	105	48385	No
179	GOM_TRA_1PNPDK20110601_124541_000000593103_00096_48386_7174.N1	01-JUN-2011 12:45:41	Dark	59.000	63	Bet Gru	2.1500	2800.0	118	48386	No
180	GOM_TRA_1PNPDK20110601_124735_000000473103_00096_48386_7175.N1	01-JUN-2011 12:47:35	Dark	47.000	31	Alp Gru	1.7340	15200.	94	48386	No
181	GOM_TRA_1PNPDK20110601_125228_000000433103_00096_48386_7176.N1	01-JUN-2011 12:52:28	Straylight	43.000	45	Alp Pav	1.9400	26000.	86	48386	No
182	GOM_TRA_1PNPDK20110601_125949_000000433103_00096_48386_7177.N1	01-JUN-2011 12:59:49	Straylight	42.500	147	Alp Ara	2.8770	26000.	85	48386	No
183	GOM_TRA_1PNPDK20110601_130130_000000473103_00096_48386_7178.N1	01-JUN-2011 13:01:30	Straylight	46.500	40	The Sco	1.8590	7100.0	93	48386	No

184	GOM_TRA_1PNPDK20110601_130317_000000483103_00096_48386_7179.N1	01-JUN-2011 13:03:17	Twilight	48.000	25	35Lam Sco	1.6200	28000.	96	48386	No
185	GOM_TRA_1PNPDK20110601_130502_000000433103_00096_48386_7180.N1	01-JUN-2011 13:05:02	Twilight	42.500	75	26Eps Sco	2.2910	4250.0	85	48386	No
186	GOM_TRA_1PNPDK20110601_130702_000000503103_00096_48386_7181.N1	01-JUN-2011 13:07:02	Bright	49.500	136	23Tau Sco	2.8220	30000.	99	48386	No
187	GOM_TRA_1PNPDK20110601_130906_000000403103_00096_48386_7182.N1	01-JUN-2011 13:09:06	Bright	39.500	80	7Del Sco	2.3160	30000.	79	48386	No
188	GOM_TRA_1PNPDK20110601_131037_000000463103_00096_48386_7229.N1	01-JUN-2011 13:10:37	Bright	45.500	86	35Eta Oph	2.4300	10200.	91	48386	No
189	GOM_TRA_1PNPDK20110601_131227_000000413103_00096_48386_7230.N1	01-JUN-2011 13:12:27	Bright	41.000	98	13Zet Oph	2.5710	30000.	82	48386	No
190	GOM_TRA_1PNPDK20110601_131437_000000403103_00096_48386_7231.N1	01-JUN-2011 13:14:37	Bright	39.500	120	1Del Oph	2.7340	3200.0	79	48386	No
191	GOM_TRA_1PNPDK20110601_132238_000000423103_00096_48386_7232.N1	01-JUN-2011 13:22:38	Bright	42.000	127	27Bet Her	2.7810	4700.0	84	48386	No
192	GOM_TRA_1PNPDK20110601_132601_000000633103_00096_48386_7233.N1	01-JUN-2011 13:26:01	Bright	63.000	133	40Zet Her	2.8070	6000.0	126	48386	No
193	GOM_TRA_1PNPDK20110601_133359_000000373103_00096_48386_7234.N1	01-JUN-2011 13:33:59	Bright	36.500	119	14Eta Dra	2.7270	4700.0	73	48386	No
194	GOM_TRA_1PNPDK20110601_134414_000000523103_00096_48386_7235.N1	01-JUN-2011 13:44:14	Bright	52.000	89	5Alp Cep	2.4510	8000.0	104	48386	No
195	GOM_TRA_1PNPDK20110601_134923_000000563103_00096_48386_7236.N1	01-JUN-2011 13:49:23	Bright	55.500	76	27Gam Cas	2.3000	30000.	111	48386	No
196	GOM_TRA_1PNPDK20110601_135709_000000473103_00096_48386_7237.N1	01-JUN-2011 13:57:09	Bright	46.500	53	43Bet And	2.0480	3300.0	93	48386	No
197	GOM_TRA_1PNPDK20110601_135951_000000543103_00096_48386_7238.N1	01-JUN-2011 13:59:51	Twilight	54.000	58	21Alp And	2.0730	11000.	108	48386	No
198	GOM_TRA_1PNPDK20110601_140452_000000513103_00096_48386_7239.N1	01-JUN-2011 14:04:52	Dark	50.500	140	88Gam Peg	2.8340	26000.	101	48386	No
199	GOM_TRA_1PNPDK20110601_141353_000000493103_00096_48386_7240.N1	01-JUN-2011 14:13:53	Dark	48.500	52	16Bet Cet	2.0370	4500.0	97	48386	No
200	GOM_TRA_1PNPDK20110601_142033_000000463103_00096_48386_7241.N1	01-JUN-2011 14:20:33	Dark	46.000	84	Alp Phe	2.3970	4500.0	92	48386	No
201	GOM_TRA_1PNPDK20110601_142244_000000673103_00096_48386_7242.N1	01-JUN-2011 14:22:44	Dark	67.000	18	24Alp PsA	1.1660	9700.0	134	48386	No
202	GOM_TRA_1PNPDK20110601_142556_000000613103_00097_48387_7243.N1	01-JUN-2011 14:25:56	Dark	61.000	63	Bet Gru	2.1500	2800.0	122	48387	No
203	GOM_TRA_1PNPDK20110601_142750_000000483103_00097_48387_7244.N1	01-JUN-2011 14:27:50	Dark	47.500	31	Alp Gru	1.7340	15200.	95	48387	No
204	GOM_TRA_1PNPDK20110601_143243_000000423103_00097_48387_7245.N1	01-JUN-2011 14:32:43	Straylight	41.500	45	Alp Pav	1.9400	26000.	83	48387	No
205	GOM_TRA_1PNPDK20110601_144004_000000403103_00097_48387_7246.N1	01-JUN-2011 14:40:04	Straylight	39.500	147	Alp Ara	2.8770	26000.	79	48387	No
206	GOM_TRA_1PNPDK20110601_144145_000000483103_00097_48387_7247.N1	01-JUN-2011 14:41:45	Straylight	47.500	40	The Sco	1.8590	7100.0	95	48387	No
207	GOM_TRA_1PNPDK20110601_144332_000000493103_00097_48387_7248.N1	01-JUN-2011 14:43:32	Twilight	48.500	25	35Lam Sco	1.6200	28000.	97	48387	No
208	GOM_TRA_1PNPDK20110601_144516_000000493103_00097_48387_7249.N1	01-JUN-2011 14:45:16	Twilight	48.500	75	26Eps Sco	2.2910	4250.0	97	48387	No
209	GOM_TRA_1PNPDK20110601_144717_000000563103_00097_48387_7250.N1	01-JUN-2011 14:47:17	Bright	56.000	136	23Tau Sco	2.8220	30000.	112	48387	No
210	GOM_TRA_1PNPDK20110601_144920_000000393103_00097_48387_7336.N1	01-JUN-2011 14:49:20	Bright	39.000	80	7Del Sco	2.3160	30000.	78	48387	No
211	GOM_TRA_1PNPDK20110601_145051_000000463103_00097_48387_7337.N1	01-JUN-2011 14:50:51	Bright	45.500	86	35Eta Oph	2.4300	10200.	91	48387	No
212	GOM_TRA_1PNPDK20110601_145241_000000413103_00097_48387_7338.N1	01-JUN-2011 14:52:41	Bright	41.000	98	13Zet Oph	2.5710	30000.	82	48387	No
213	GOM_TRA_1PNPDK20110601_145451_000000393103_00097_48387_7339.N1	01-JUN-2011 14:54:51	Bright	39.000	120	1Del Oph	2.7340	3200.0	78	48387	No
214	GOM_TRA_1PNPDK20110601_145752_000000373103_00097_48387_7340.N1	01-JUN-2011 14:57:52	Bright	36.500	102	24Alp Ser	2.6000	4250.0	73	48387	No
215	GOM_TRA_1PNPDK20110601_150252_000000423103_00097_48387_7341.N1	01-JUN-2011 15:02:52	Bright	42.000	127	27Bet Her	2.7810	4700.0	84	48387	No
216	GOM_TRA_1PNPDK20110601_150614_000000423103_00097_48387_7342.N1	01-JUN-2011 15:06:14	Bright	42.000	133	40Zet Her	2.8070	6000.0	84	48387	No
217	GOM_TRA_1PNPDK20110601_151413_000000413103_00097_48387_7343.N1	01-JUN-2011 15:14:13	Bright	40.500	119	14Eta Dra	2.7270	4700.0	81	48387	No
218	GOM_TRA_1PNPDK20110601_152427_000000493103_00097_48387_7344.N1	01-JUN-2011 15:24:27	Bright	48.500	89	5Alp Cep	2.4510	8000.0	97	48387	No
219	GOM_TRA_1PNPDK20110601_152937_000000433103_00097_48387_7345.N1	01-JUN-2011 15:29:37	Bright	43.000	76	27Gam Cas	2.3000	30000.	86	48387	No
220	GOM_TRA_1PNPDK20110601_153724_000000463103_00097_48387_7346.N1	01-JUN-2011 15:37:24	Bright	45.500	53	43Bet And	2.0480	3300.0	91	48387	No
221	GOM_TRA_1PNPDK20110601_154005_000000563103_00097_48387_7347.N1	01-JUN-2011 15:40:05	Twilight	56.000	58	21Alp And	2.0730	11000.	112	48387	No
222	GOM_TRA_1PNPDK20110601_154507_000000533103_00097_48387_7348.N1	01-JUN-2011 15:45:07	Dark	52.500	140	88Gam Peg	2.8340	26000.	105	48387	No
223	GOM_TRA_1PNPDK20110601_155408_000000533103_00097_48387_7349.N1	01-JUN-2011 15:54:08	Dark	52.500	52	16Bet Cet	2.0370	4500.0	105	48387	No
224	GOM_TRA_1PNPDK20110601_160047_000000443103_00097_48387_7350.N1	01-JUN-2011 16:00:47	Dark	43.500	84	Alp Phe	2.3970	4500.0	87	48387	No
225	GOM_TRA_1PNPDK20110601_160259_000000633103_00097_48387_7351.N1	01-JUN-2011 16:02:59	Dark	63.000	18	24Alp PsA	1.1660	9700.0	126	48387	No
226	GOM_TRA_1PNPDK20110601_160611_000000573103_00098_48388_7352.N1	01-JUN-2011 16:06:11	Dark	57.000	63	Bet Gru	2.1500	2800.0	114	48388	No
227	GOM_TRA_1PNPDK20110601_160805_000000503103_00098_48388_7353.N1	01-JUN-2011 16:08:05	Dark	49.500	31	Alp Gru	1.7340	15200.	99	48388	No
228	GOM_TRA_1PNPDK20110601_161257_000000433103_00098_48388_7354.N1	01-JUN-2011 16:12:57	Straylight	43.000	45	Alp Pav	1.9400	26000.	86	48388	No
229	GOM_TRA_1PNPDK20110601_162018_000000403103_00098_48388_7355.N1	01-JUN-2011 16:20:18	Straylight	40.000	147	Alp Ara	2.8770	26000.	80	48388	No
230	GOM_TRA_1PNPDK20110601_162159_000000503103_00098_48388_7356.N1	01-JUN-2011 16:21:59	Straylight	49.500	40	The Sco	1.8590	7100.0	99	48388	No
231	GOM_TRA_1PNPDK20110601_162346_000000453103_00098_48388_7357.N1	01-JUN-2011 16:23:46	Twilight	44.500	25	35Lam Sco	1.6200	28000.	89	48388	No
232	GOM_TRA_1PNPDK20110601_162530_000000453103_00098_48388_7403.N1	01-JUN-2011 16:25:30	Twilight	45.000	75	26Eps Sco	2.2910	4250.0	90	48388	No
233	GOM_TRA_1PNPDK20110601_162731_000000443103_00098_48388_7404.N1	01-JUN-2011 16:27:31	Bright	44.000	136	23Tau Sco	2.8220	30000.	88	48388	No
234	GOM_TRA_1PNPDK20110601_162934_000000403103_00098_48388_7405.N1	01-JUN-2011 16:29:34	Bright	40.000	80	7Del Sco	2.3160	30000.	80	48388	No
235	GOM_TRA_1PNPDK20110601_163105_000000463103_00098_48388_7406.N1	01-JUN-2011 16:31:05	Bright	46.000	86	35Eta Oph	2.4300	10200.	92	48388	No
236	GOM_TRA_1PNPDK20110601_163255_000000423103_00098_48388_7407.N1	01-JUN-2011 16:32:55	Bright	42.000	98	13Zet Oph	2.5710	30000.	84	48388	No
237	GOM_TRA_1PNPDK20110601_163506_000000393103_00098_48388_7408.N1	01-JUN-2011 16:35:06	Bright	39.000	120	1Del Oph	2.7340	3200.0	78	48388	No
238	GOM_TRA_1PNPDK20110601_163805_000000373103_00098_48388_7409.N1	01-JUN-2011 16:38:05	Bright	36.500	102	24Alp Ser	2.6000	4250.0	73	48388	No
239	GOM_TRA_1PNPDK20110601_164305_000000443103_00098_48388_7410.N1	01-JUN-2011 16:43:05	Bright	44.000	127	27Bet Her	2.7810	4700.0	88	48388	No
240	GOM_TRA_1PNPDK20110601_164628_000000433103_00098_48388_7411.N1	01-JUN-2011 16:46:28	Bright	43.000	133	40Zet Her	2.8070	6000.0	86	48388	No
241	GOM_TRA_1PNPDK20110601_165426_000000393103_00098_48388_7412.N1	01-JUN-2011 16:54:26	Bright	39.000	119	14Eta Dra	2.7270	4700.0	78	48388	No
242	GOM_TRA_1PNPDK20110601_170441_000000473103_00098_48388_7413.N1	01-JUN-2011 17:04:41	Bright	46.500	89	5Alp Cep	2.4510	8000.0	93	48388	No

243	GOM_TRA_1PNPDK20110601_170951_000000493103_00098_48388_7414.N1	01-JUN-2011 17:09:51	Bright	49.000	76	27Gam Cas	2.3000	30000.	98	48388	No
244	GOM_TRA_1PNPDK20110601_171738_000000473103_00098_48388_7415.N1	01-JUN-2011 17:17:38	Bright	47.000	53	43Bet And	2.0480	3300.0	94	48388	No
245	GOM_TRA_1PNPDK20110601_172020_000000533103_00098_48388_7416.N1	01-JUN-2011 17:20:20	Tw_i_and_stray	53.000	58	21Alp And	2.0730	11000.	106	48388	No
246	GOM_TRA_1PNPDK20110601_172521_000000543103_00098_48388_7417.N1	01-JUN-2011 17:25:21	Dark	54.000	140	88Gam Peg	2.8340	26000.	108	48388	No
247	GOM_TRA_1PNPDK20110601_173423_000000513103_00098_48388_7418.N1	01-JUN-2011 17:34:23	Dark	50.500	52	16Bet Cet	2.0370	4500.0	101	48388	No
248	GOM_TRA_1PNPDK20110601_174102_000000453103_00098_48388_7419.N1	01-JUN-2011 17:41:02	Dark	44.500	84	Alp Phe	2.3970	4500.0	89	48388	No
249	GOM_TRA_1PNPDK20110601_174315_000000653103_00098_48388_7420.N1	01-JUN-2011 17:43:15	Dark	65.000	18	24Alp PsA	1.1660	9700.0	130	48388	No
250	GOM_TRA_1PNPDK20110601_174626_000000473103_00099_48389_7421.N1	01-JUN-2011 17:46:26	Dark	47.000	63	Bet Gru	2.1500	2800.0	94	48389	No
251	GOM_TRA_1PNPDK20110601_174820_000000463103_00099_48389_7422.N1	01-JUN-2011 17:48:20	Dark	46.000	31	Alp Gru	1.7340	15200.	92	48389	No
252	GOM_TRA_1PNPDK20110601_175312_000000453103_00099_48389_7423.N1	01-JUN-2011 17:53:12	Straylight	44.500	45	Alp Pav	1.9400	26000.	89	48389	No
253	GOM_TRA_1PNPDK20110601_180032_000000383103_00099_48389_7424.N1	01-JUN-2011 18:00:32	Straylight	38.000	147	Alp Ara	2.8770	26000.	76	48389	No
254	GOM_TRA_1PNPDK20110601_180214_000000473103_00099_48389_7481.N1	01-JUN-2011 18:02:14	Straylight	47.000	40	The Sco	1.8590	7100.0	94	48389	Yes
255	GOM_TRA_1PNPDK20110601_180401_000000493103_00099_48389_7482.N1	01-JUN-2011 18:04:01	Tw_i_and_stray	48.500	25	35Lam Sco	1.6200	28000.	97	48389	No
256	GOM_TRA_1PNPDK20110601_180544_000000493103_00099_48389_7483.N1	01-JUN-2011 18:05:44	Tw_i_and_stray	49.000	75	26Eps Sco	2.2910	4250.0	98	48389	No
257	GOM_TRA_1PNPDK20110601_180745_000000433103_00099_48389_7484.N1	01-JUN-2011 18:07:45	Bright	42.500	136	23Tau Sco	2.8220	30000.	85	48389	No
258	GOM_TRA_1PNPDK20110601_180948_000000403103_00099_48389_7485.N1	01-JUN-2011 18:09:48	Bright	39.500	80	7Del Sco	2.3160	30000.	79	48389	No
259	GOM_TRA_1PNPDK20110601_181119_000000463103_00099_48389_7486.N1	01-JUN-2011 18:11:19	Bright	45.500	86	35Eta Oph	2.4300	10200.	91	48389	No
260	GOM_TRA_1PNPDK20110601_181310_000000423103_00099_48389_7487.N1	01-JUN-2011 18:13:10	Bright	42.000	98	13Zet Oph	2.5710	30000.	84	48389	No
261	GOM_TRA_1PNPDK20110601_181520_000000393103_00099_48389_7488.N1	01-JUN-2011 18:15:20	Bright	39.000	120	1Del Oph	2.7340	3200.0	78	48389	No
262	GOM_TRA_1PNPDK20110601_181820_000000373103_00099_48389_7489.N1	01-JUN-2011 18:18:20	Bright	36.500	102	24Alp Ser	2.6000	4250.0	73	48389	No
263	GOM_TRA_1PNPDK20110601_182319_000000443103_00099_48389_7490.N1	01-JUN-2011 18:23:19	Bright	44.000	127	27Bet Her	2.7810	4700.0	88	48389	No
264	GOM_TRA_1PNPDK20110601_182641_000000433103_00099_48389_7491.N1	01-JUN-2011 18:26:41	Bright	42.500	133	40Zet Her	2.8070	6000.0	85	48389	No
265	GOM_TRA_1PNPDK20110601_183440_000000413103_00099_48389_7492.N1	01-JUN-2011 18:34:40	Bright	40.500	119	14Eta Dra	2.7270	4700.0	81	48389	No
266	GOM_TRA_1PNPDK20110601_184454_000000473103_00099_48389_7493.N1	01-JUN-2011 18:44:54	Bright	46.500	89	5Alp Cep	2.4510	8000.0	93	48389	No
267	GOM_TRA_1PNPDK20110601_185005_000000363103_00099_48389_7494.N1	01-JUN-2011 18:50:05	Bright	36.000	76	27Gam Cas	2.3000	30000.	72	48389	No
268	GOM_TRA_1PNPDK20110601_185752_000000443103_00099_48389_7495.N1	01-JUN-2011 18:57:52	Bright	43.500	53	43Bet And	2.0480	3300.0	87	48389	No
269	GOM_TRA_1PNPDK20110601_190034_000000533103_00099_48389_7496.N1	01-JUN-2011 19:00:34	Tw_i_and_stray	52.500	58	21Alp And	2.0730	11000.	105	48389	No
270	GOM_TRA_1PNPDK20110601_190536_000000523103_00099_48389_7497.N1	01-JUN-2011 19:05:36	Dark	52.000	140	88Gam Peg	2.8340	26000.	104	48389	No
271	GOM_TRA_1PNPDK20110601_191437_000000483103_00099_48389_7498.N1	01-JUN-2011 19:14:37	Dark	48.000	52	16Bet Cet	2.0370	4500.0	96	48389	No
272	GOM_TRA_1PNPDK20110601_192117_000000473103_00099_48389_7499.N1	01-JUN-2011 19:21:17	Dark	47.000	84	Alp Phe	2.3970	4500.0	94	48389	No
273	GOM_TRA_1PNPDK20110601_192330_000000703103_00099_48389_7500.N1	01-JUN-2011 19:23:30	Dark	69.500	18	24Alp PsA	1.1660	9700.0	139	48389	No
274	GOM_TRA_1PNPDK20110601_192641_000000623103_00100_48390_7501.N1	01-JUN-2011 19:26:41	Dark	62.000	63	Bet Gru	2.1500	2800.0	124	48390	No
275	GOM_TRA_1PNPDK20110601_192834_000000513103_00100_48390_7502.N1	01-JUN-2011 19:28:34	Dark	50.500	31	Alp Gru	1.7340	15200.	101	48390	No
276	GOM_TRA_1PNPDK20110601_193327_000000423103_00100_48390_7503.N1	01-JUN-2011 19:33:27	Straylight	42.000	45	Alp Pav	1.9400	26000.	84	48390	No
277	GOM_TRA_1PNPDE20110601_194047_000000403103_00100_48390_1849.N1	01-JUN-2011 19:40:47	Straylight	39.500	147	Alp Ara	2.8770	26000.	79	48390	No
278	GOM_TRA_1PNPDE20110601_194228_000000463103_00100_48390_1850.N1	01-JUN-2011 19:42:28	Straylight	45.500	40	The Sco	1.8590	7100.0	91	48390	No
279	GOM_TRA_1PNPDE20110601_194415_000000473103_00100_48390_1851.N1	01-JUN-2011 19:44:15	Tw_i_and_stray	46.500	25	35Lam Sco	1.6200	28000.	93	48390	No
280	GOM_TRA_1PNPDE20110601_194559_000000503103_00100_48390_1852.N1	01-JUN-2011 19:45:59	Tw_i_and_stray	49.500	75	26Eps Sco	2.2910	4250.0	99	48390	No
281	GOM_TRA_1PNPDE20110601_194759_000000413103_00100_48390_1853.N1	01-JUN-2011 19:47:59	Bright	41.000	136	23Tau Sco	2.8220	30000.	82	48390	No
282	GOM_TRA_1PNPDE20110601_195003_000000413103_00100_48390_1854.N1	01-JUN-2011 19:50:03	Bright	41.000	80	7Del Sco	2.3160	30000.	82	48390	No
283	GOM_TRA_1PNPDE20110601_195133_000000453103_00100_48390_1855.N1	01-JUN-2011 19:51:33	Bright	45.000	86	35Eta Oph	2.4300	10200.	90	48390	No
284	GOM_TRA_1PNPDE20110601_195834_000000373103_00100_48390_1856.N1	01-JUN-2011 19:58:34	Bright	36.500	102	24Alp Ser	2.6000	4250.0	73	48390	No
285	GOM_TRA_1PNPDE20110601_200333_000000423103_00100_48390_1857.N1	01-JUN-2011 20:03:33	Bright	41.500	127	27Bet Her	2.7810	4700.0	83	48390	No
286	GOM_TRA_1PNPDE20110601_200655_000000433103_00100_48390_1858.N1	01-JUN-2011 20:06:55	Bright	43.000	133	40Zet Her	2.8070	6000.0	86	48390	No
287	GOM_TRA_1PNPDE20110601_201454_000000403103_00100_48390_1859.N1	01-JUN-2011 20:14:54	Bright	39.500	119	14Eta Dra	2.7270	4700.0	79	48390	No
288	GOM_TRA_1PNPDE20110601_202507_000000463103_00100_48390_1860.N1	01-JUN-2011 20:25:07	Bright	46.000	89	5Alp Cep	2.4510	8000.0	92	48390	No
289	GOM_TRA_1PNPDE20110601_203018_000000563103_00100_48390_1861.N1	01-JUN-2011 20:30:18	Bright	56.000	76	27Gam Cas	2.3000	30000.	112	48390	No
290	GOM_TRA_1PNPDE20110601_203806_000000503103_00100_48390_1862.N1	01-JUN-2011 20:38:06	Bright	50.000	53	43Bet And	2.0480	3300.0	100	48390	No
291	GOM_TRA_1PNPDE20110601_204048_000000563103_00100_48390_1863.N1	01-JUN-2011 20:40:48	Tw_i_and_stray	56.000	58	21Alp And	2.0730	11000.	112	48390	No
292	GOM_TRA_1PNPDE20110601_204550_000000523103_00100_48390_1864.N1	01-JUN-2011 20:45:50	Dark	51.500	140	88Gam Peg	2.8340	26000.	103	48390	No
293	GOM_TRA_1PNPDE20110601_205452_000000493103_00100_48390_1908.N1	01-JUN-2011 20:54:52	Dark	48.500	52	16Bet Cet	2.0370	4500.0	97	48390	No
294	GOM_TRA_1PNPDE20110601_210131_000000443103_00100_48390_1909.N1	01-JUN-2011 21:01:31	Dark	44.000	84	Alp Phe	2.3970	4500.0	88	48390	No
295	GOM_TRA_1PNPDE20110601_210345_000000613103_00100_48390_1910.N1	01-JUN-2011 21:03:45	Dark	60.500	18	24Alp PsA	1.1660	9700.0	121	48390	No
296	GOM_TRA_1PNPDE20110601_210656_000000503103_00101_48391_1911.N1	01-JUN-2011 21:06:56	Dark	49.500	63	Bet Gru	2.1500	2800.0	99	48391	No
297	GOM_TRA_1PNPDE20110601_210849_000000483103_00101_48391_1912.N1	01-JUN-2011 21:08:49	Dark	47.500	31	Alp Gru	1.7340	15200.	95	48391	No
298	GOM_TRA_1PNPDE20110601_211341_000000443103_00101_48391_1913.N1	01-JUN-2011 21:13:41	Straylight	43.500	45	Alp Pav	1.9400	26000.	87	48391	No
299	GOM_TRA_1PNPDE20110601_212101_000000403103_00101_48391_1914.N1	01-JUN-2011 21:21:01	Straylight	40.000	147	Alp Ara	2.8770	26000.	80	48391	No
300	GOM_TRA_1PNPDE20110601_212242_000000483103_00101_48391_1915.N1	01-JUN-2011 21:22:42	Straylight	48.000	40	The Sco	1.8590	7100.0	96	48391	No
301	GOM_TRA_1PNPDE20110601_212429_000000443103_00101_48391_1916.N1	01-JUN-2011 21:24:29	Tw_i_and_stray	44.000	25	35Lam Sco	1.6200	28000.	88	48391	No

302	GOM_TRA_1PNPDE20110601_212613_000000483103_00101_48391_1917.N1	01-JUN-2011 21:26:13	Twilight	48.000	75	26Eps Sco	2.2910	4250.0	96	48391	No
303	GOM_TRA_1PNPDE20110601_212813_000000423103_00101_48391_1918.N1	01-JUN-2011 21:28:13	Bright	41.500	136	23Tau Sco	2.8220	30000.	83	48391	No
304	GOM_TRA_1PNPDE20110601_213021_000000373103_00101_48391_1919.N1	01-JUN-2011 21:30:21	Bright	36.500	80	7Del Sco	2.3160	30000.	73	48391	No
305	GOM_TRA_1PNPDE20110601_213147_000000463103_00101_48391_1920.N1	01-JUN-2011 21:31:47	Bright	45.500	86	35Eta Oph	2.4300	10200.	91	48391	No
306	GOM_TRA_1PNPDE20110601_213847_000000383103_00101_48391_1921.N1	01-JUN-2011 21:38:47	Bright	37.500	102	24Alp Ser	2.6000	4250.0	75	48391	No
307	GOM_TRA_1PNPDE20110601_214346_000000413103_00101_48391_1922.N1	01-JUN-2011 21:43:46	Bright	41.000	127	27Bet Her	2.7810	4700.0	82	48391	No
308	GOM_TRA_1PNPDE20110601_214709_000000453103_00101_48391_1923.N1	01-JUN-2011 21:47:09	Bright	44.500	133	40Zet Her	2.8070	6000.0	89	48391	No
309	GOM_TRA_1PNPDE20110601_215507_000000403103_00101_48391_1924.N1	01-JUN-2011 21:55:07	Bright	39.500	119	14Eta Dra	2.7270	4700.0	79	48391	No
310	GOM_TRA_1PNPDE20110601_220520_000000483103_00101_48391_1925.N1	01-JUN-2011 22:05:20	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	48391	No
311	GOM_TRA_1PNPDE20110601_221820_000000483103_00101_48391_1926.N1	01-JUN-2011 22:18:20	Bright	48.000	53	43Bet And	2.0480	3300.0	96	48391	No
312	GOM_TRA_1PNPDE20110601_222102_000000563103_00101_48391_1927.N1	01-JUN-2011 22:21:02	Twilight	55.500	58	21Alp And	2.0730	11000.	111	48391	No
313	GOM_TRA_1PNPDE20110601_222605_000000533103_00101_48391_1928.N1	01-JUN-2011 22:26:05	Dark	52.500	140	88Gam Peg	2.8340	26000.	105	48391	No
314	GOM_TRA_1PNPDE20110601_223506_000000483103_00101_48391_1957.N1	01-JUN-2011 22:35:06	Dark	48.000	52	16Bet Cet	2.0370	4500.0	96	48391	No
315	GOM_TRA_1PNPDE20110601_224146_000000493103_00101_48391_1958.N1	01-JUN-2011 22:41:46	Dark	48.500	84	Alp Phe	2.3970	4500.0	97	48391	No
316	GOM_TRA_1PNPDE20110601_224400_000000613103_00101_48391_1959.N1	01-JUN-2011 22:44:00	Dark	61.000	18	24Alp PsA	1.1660	9700.0	122	48391	No
317	GOM_TRA_1PNPDE20110601_224710_000000603103_00102_48392_1960.N1	01-JUN-2011 22:47:10	Dark	60.000	63	Bet Gru	2.1500	2800.0	120	48392	No
318	GOM_TRA_1PNPDE20110601_224904_000000463103_00102_48392_1961.N1	01-JUN-2011 22:49:04	Dark	46.000	31	Alp Gru	1.7340	15200.	92	48392	No
319	GOM_TRA_1PNPDE20110601_225356_000000443103_00102_48392_1962.N1	01-JUN-2011 22:53:56	Straylight	43.500	45	Alp Pav	1.9400	26000.	87	48392	No
320	GOM_TRA_1PNPDE20110601_230115_000000433103_00102_48392_1963.N1	01-JUN-2011 23:01:15	Straylight	43.000	147	Alp Ara	2.8770	26000.	86	48392	No
321	GOM_TRA_1PNPDE20110601_230257_000000463103_00102_48392_1964.N1	01-JUN-2011 23:02:57	Straylight	46.000	40	The Sco	1.8590	7100.0	92	48392	No
322	GOM_TRA_1PNPDE20110601_230444_000000483103_00102_48392_1965.N1	01-JUN-2011 23:04:44	Twilight	48.000	25	35Lam Sco	1.6200	28000.	96	48392	No
323	GOM_TRA_1PNPDE20110601_230627_000000443103_00102_48392_1966.N1	01-JUN-2011 23:06:27	Twilight	44.000	75	26Eps Sco	2.2910	4250.0	88	48392	No
324	GOM_TRA_1PNPDE20110601_230827_000000413103_00102_48392_1967.N1	01-JUN-2011 23:08:27	Bright	41.000	136	23Tau Sco	2.8220	30000.	82	48392	No
325	GOM_TRA_1PNPDE20110601_231201_000000463103_00102_48392_1968.N1	01-JUN-2011 23:12:01	Bright	45.500	86	35Eta Oph	2.4300	10200.	91	48392	No
326	GOM_TRA_1PNPDE20110601_231351_000000413103_00102_48392_1969.N1	01-JUN-2011 23:13:51	Bright	41.000	98	13Zet Oph	2.5710	30000.	82	48392	No
327	GOM_TRA_1PNPDE20110601_231601_000000393103_00102_48392_1970.N1	01-JUN-2011 23:16:01	Bright	39.000	120	1Del Oph	2.7340	3200.0	78	48392	No
328	GOM_TRA_1PNPDE20110601_231901_000000363103_00102_48392_1971.N1	01-JUN-2011 23:19:01	Bright	36.000	102	24Alp Ser	2.6000	4250.0	72	48392	No
329	GOM_TRA_1PNPDE20110601_232400_000000433103_00102_48392_1972.N1	01-JUN-2011 23:24:00	Bright	43.000	127	27Bet Her	2.7810	4700.0	86	48392	No
330	GOM_TRA_1PNPDE20110601_232722_000000443103_00102_48392_1973.N1	01-JUN-2011 23:27:22	Bright	44.000	133	40Zet Her	2.8070	6000.0	88	48392	No
331	GOM_TRA_1PNPDE20110601_233521_000000393103_00102_48392_1974.N1	01-JUN-2011 23:35:21	Bright	39.000	119	14Eta Dra	2.7270	4700.0	78	48392	No
332	GOM_TRA_1PNPDE20110601_234534_000000523103_00102_48392_1975.N1	01-JUN-2011 23:45:34	Bright	51.500	89	5Alp Cep	2.4510	8000.0	103	48392	No
333	GOM_TRA_1PNPDE20110601_235046_000000563103_00102_48392_1976.N1	01-JUN-2011 23:50:46	Bright	56.000	76	27Gam Cas	2.3000	30000.	112	48392	No
334	GOM_TRA_1PNPDE20110601_235834_000000483103_00102_48392_1977.N1	01-JUN-2011 23:58:34	Bright	47.500	53	43Bet And	2.0480	3300.0	95	48392	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).

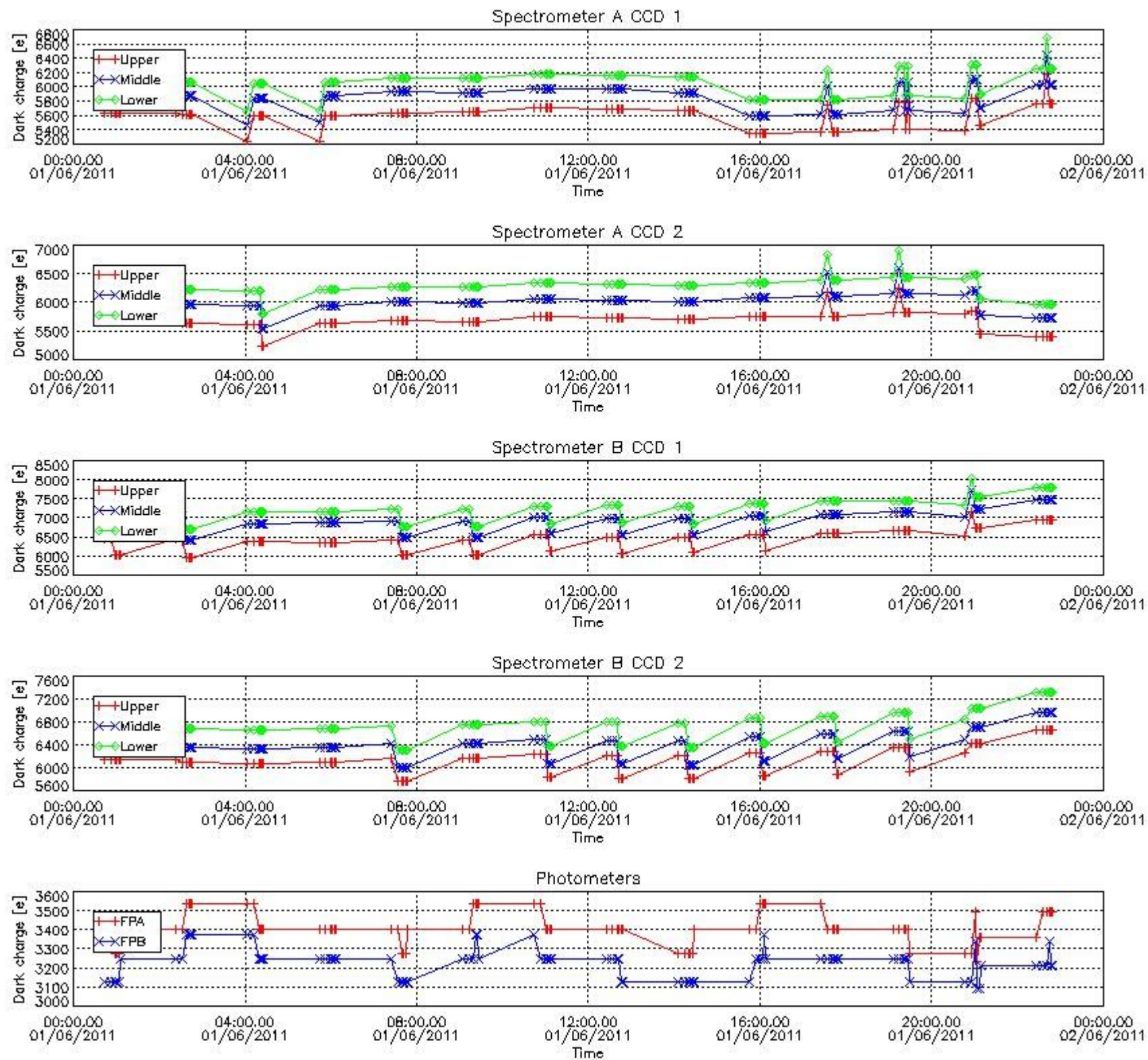
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDE20110601_194047_000000403103_00100_48390_1849.N1	DC map used
GOM_TRA_1PNPDE20110601_194228_000000463103_00100_48390_1850.N1	DC map used
GOM_TRA_1PNPDE20110601_194415_000000473103_00100_48390_1851.N1	DC map used
GOM_TRA_1PNPDE20110601_194559_000000503103_00100_48390_1852.N1	DC map used
GOM_TRA_1PNPDE20110601_194759_000000413103_00100_48390_1853.N1	DC map used
GOM_TRA_1PNPDE20110601_195003_000000413103_00100_48390_1854.N1	DC map used
GOM_TRA_1PNPDE20110601_195133_000000453103_00100_48390_1855.N1	DC map used
GOM_TRA_1PNPDE20110601_195834_000000373103_00100_48390_1856.N1	DC map used
GOM_TRA_1PNPDE20110601_200333_000000423103_00100_48390_1857.N1	DC map used
GOM_TRA_1PNPDE20110601_200655_000000433103_00100_48390_1858.N1	DC map used
GOM_TRA_1PNPDE20110601_201454_000000403103_00100_48390_1859.N1	DC map used
GOM_TRA_1PNPDE20110601_202507_000000463103_00100_48390_1860.N1	DC map used
GOM_TRA_1PNPDE20110601_203018_000000563103_00100_48390_1861.N1	DC map used
GOM_TRA_1PNPDE20110601_203806_000000503103_00100_48390_1862.N1	DC map used

GOM_TRA_1PNPDE20110601_204048_00000563103_00100_48390_1863.N1	DC map used
GOM_TRA_1PNPDE20110601_204550_00000523103_00100_48390_1864.N1	DC map used

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



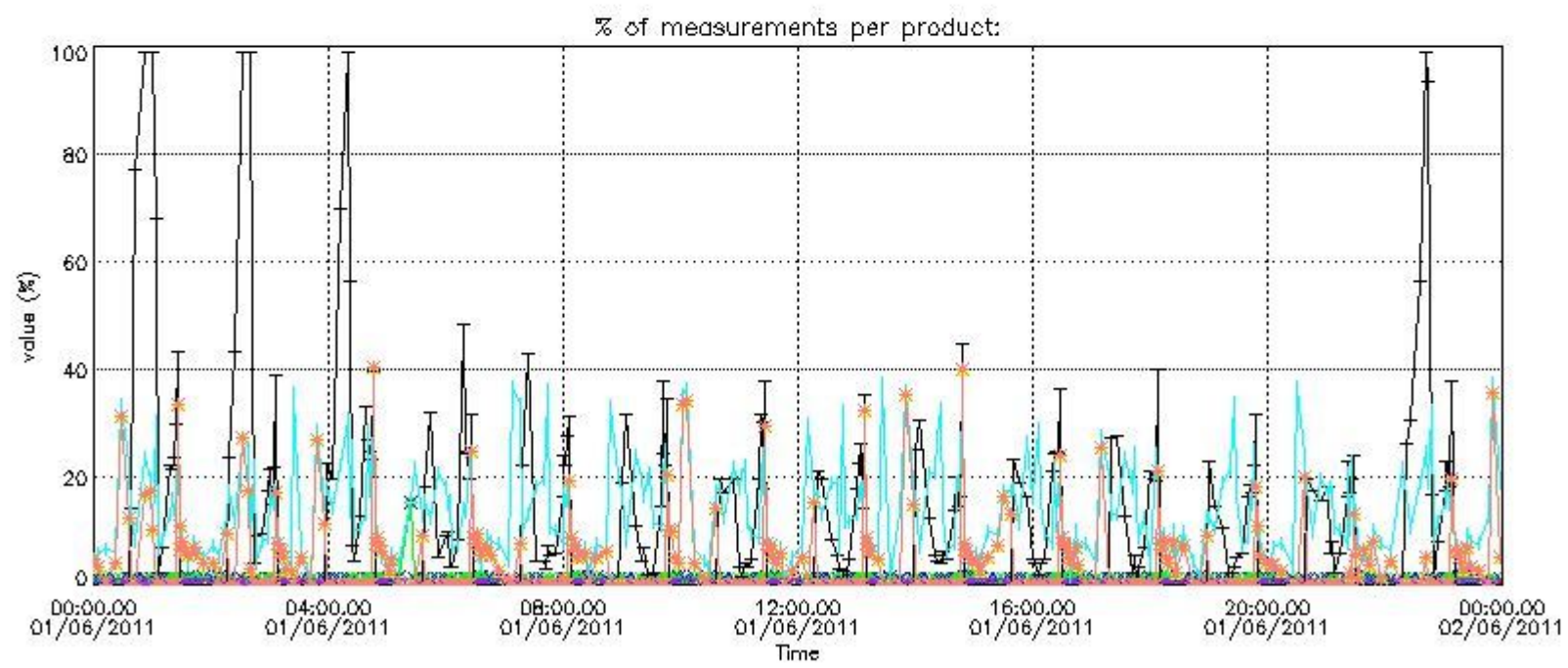
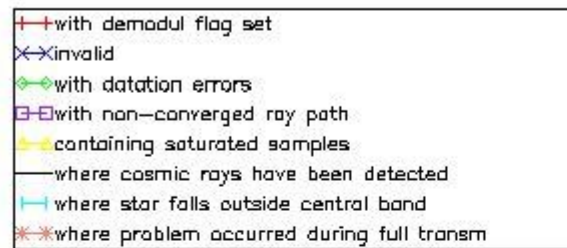
5. Demodulation flag and quality information monitoring

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.

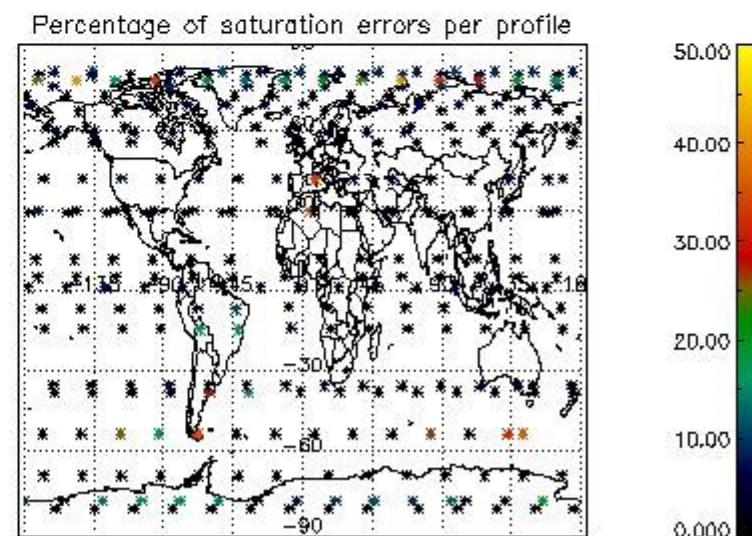
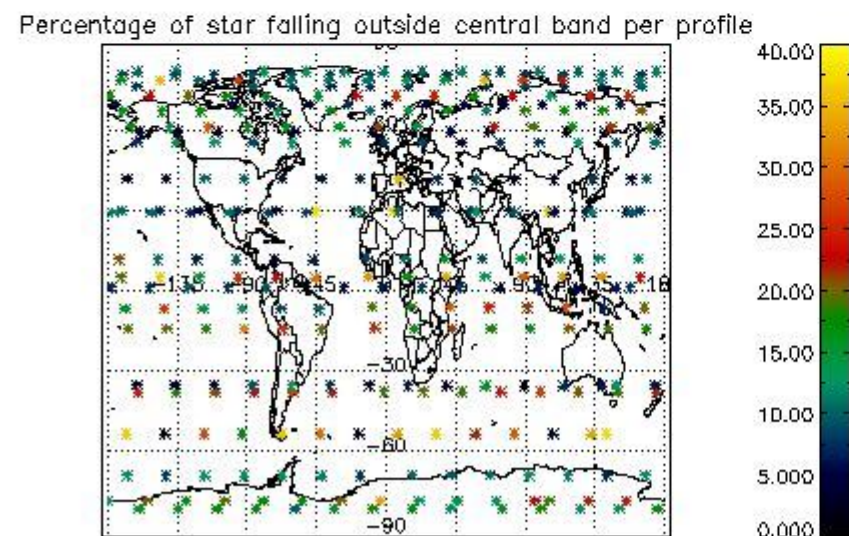
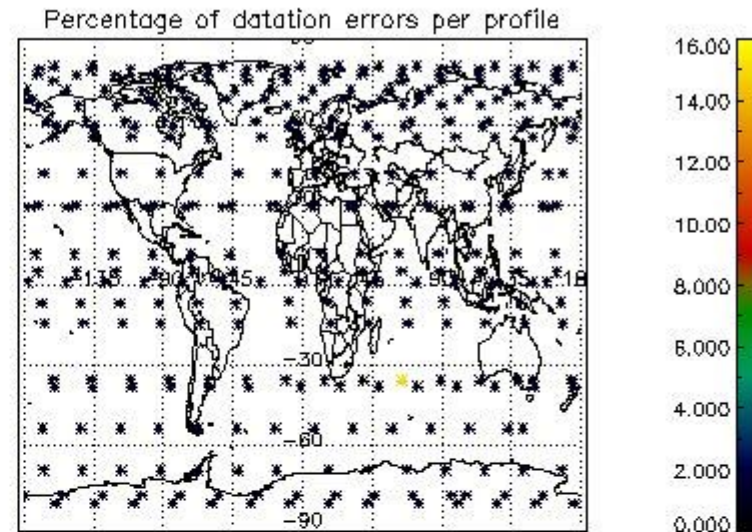
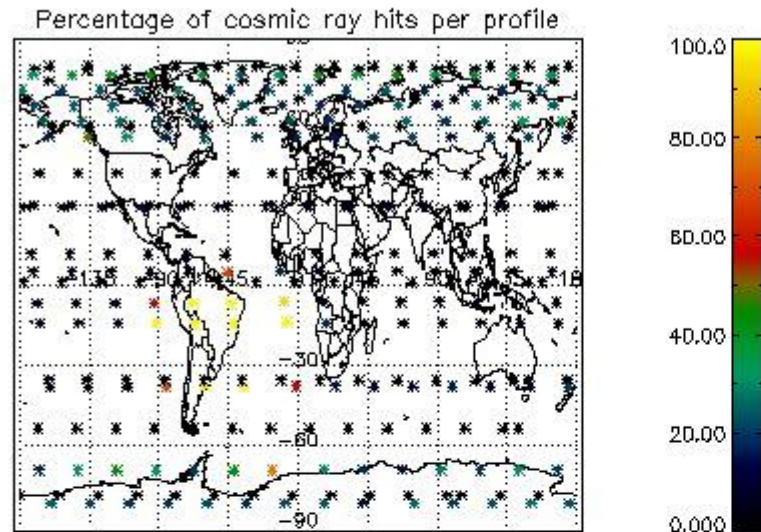
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	49.6988 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)



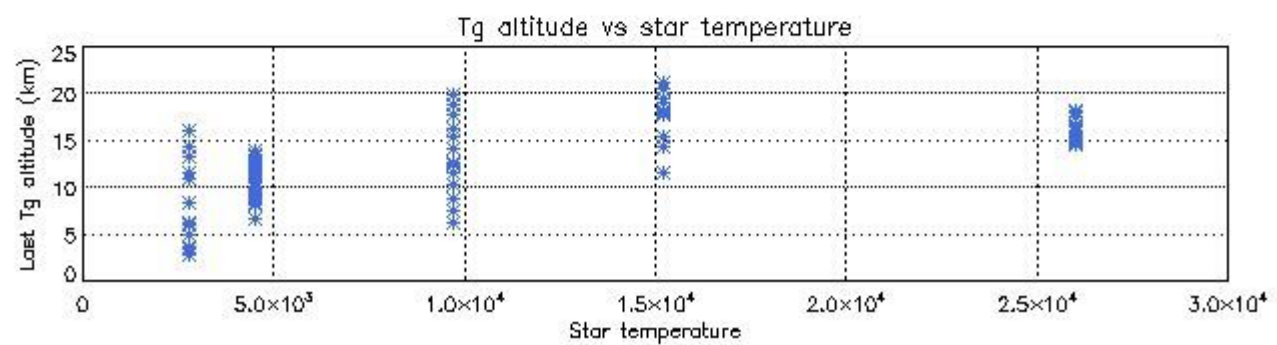
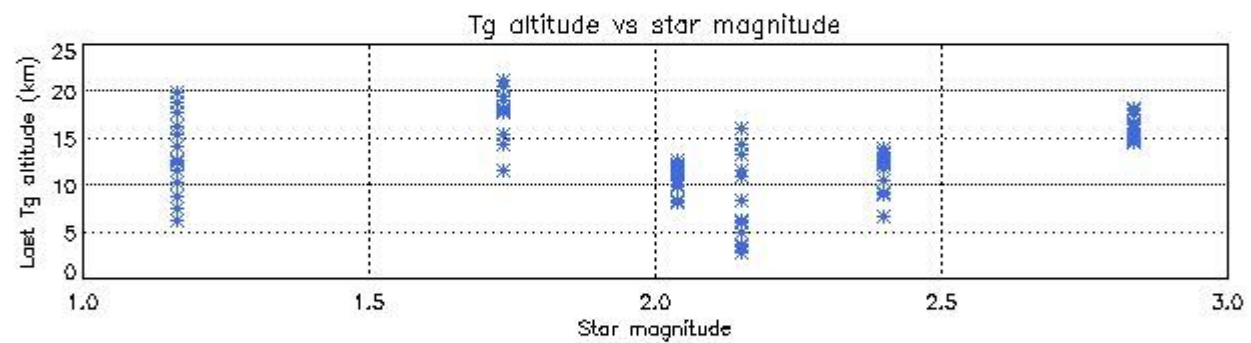
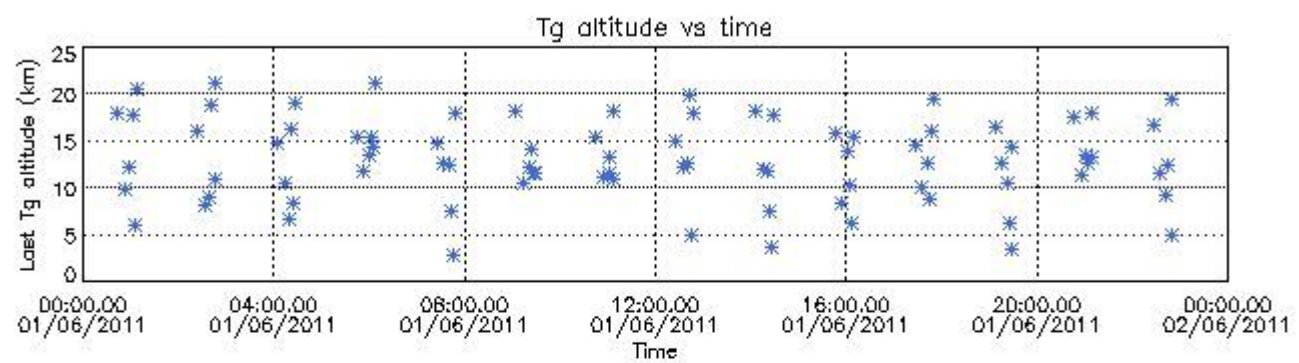
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	12.963	17.641	NaN
St. deviation:	4.3660	5.4345	NaN
Maximum:	21.104	26.762	NaN
Minimum:	2.8422	3.4850	NaN
Number of data:	84.000	165.00	NaN

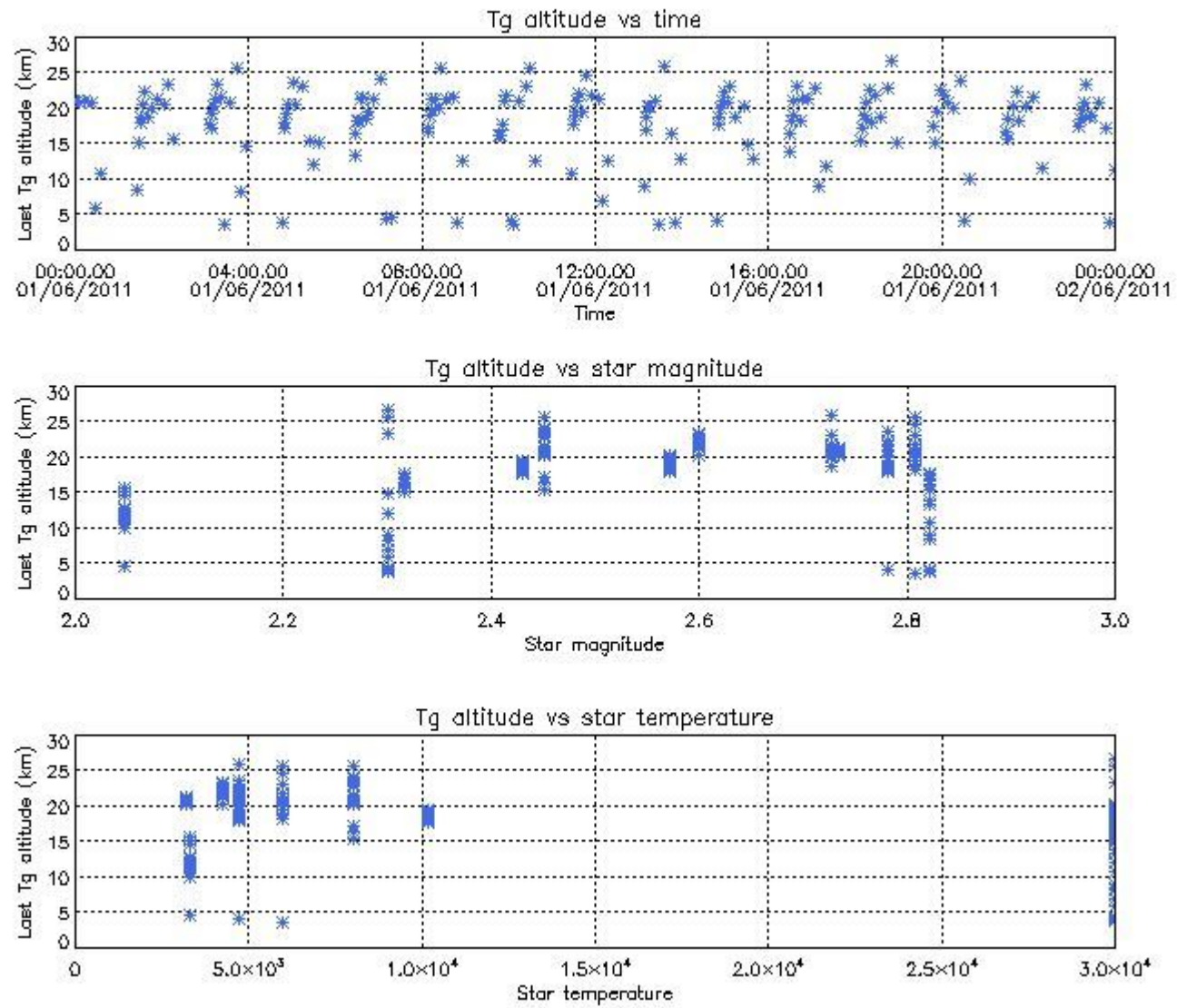
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

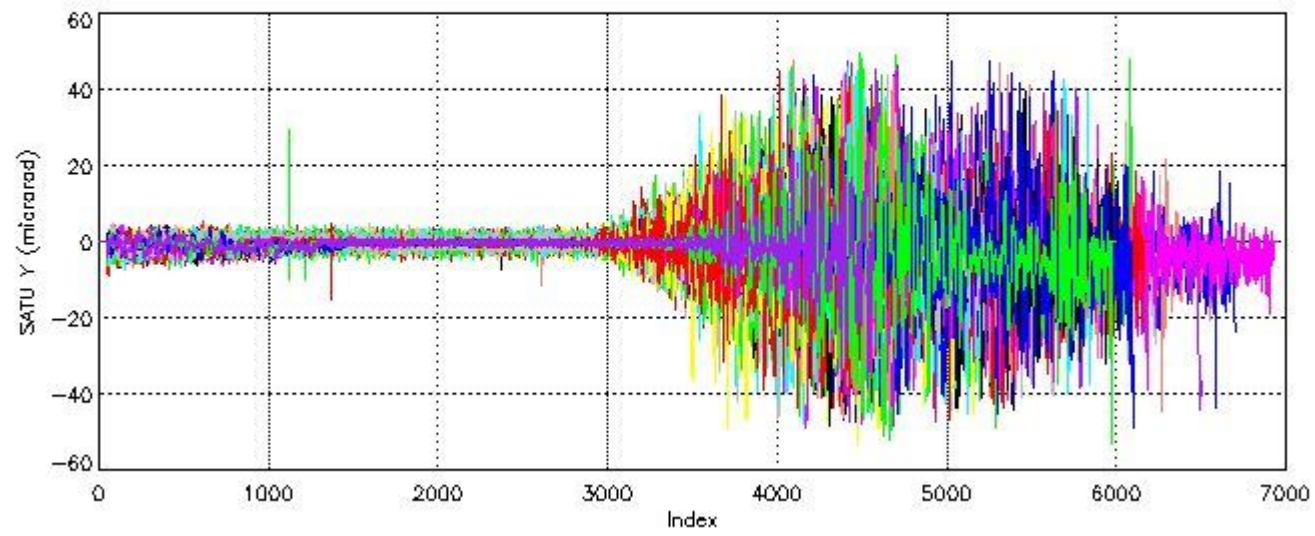
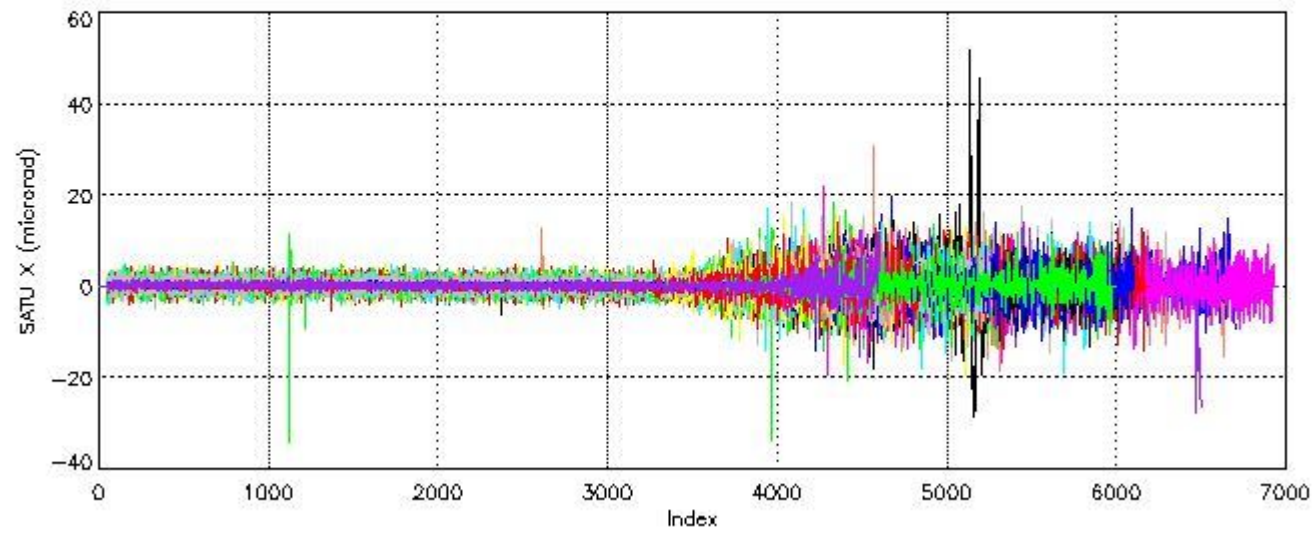


7. Star Acquisition and Tracking Unit (SATU)

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

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

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



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

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

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

7.2.1 SATU NEA Statistics (table)

Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	0.20031	-1.0294	0.25685	-1.1194
St. deviation:	0.48713	1.3864	0.76059	1.4420
Maximum:	5.2000	5.4000	4.9000	6.9000
Minimum:	-4.7000	-8.8000	-4.7000	-8.9000

Number of data:	90550.	90550.	1.5900E+05	1.5900E+05
90Percentile:	0.80000	0.70000	1.3000	0.60000

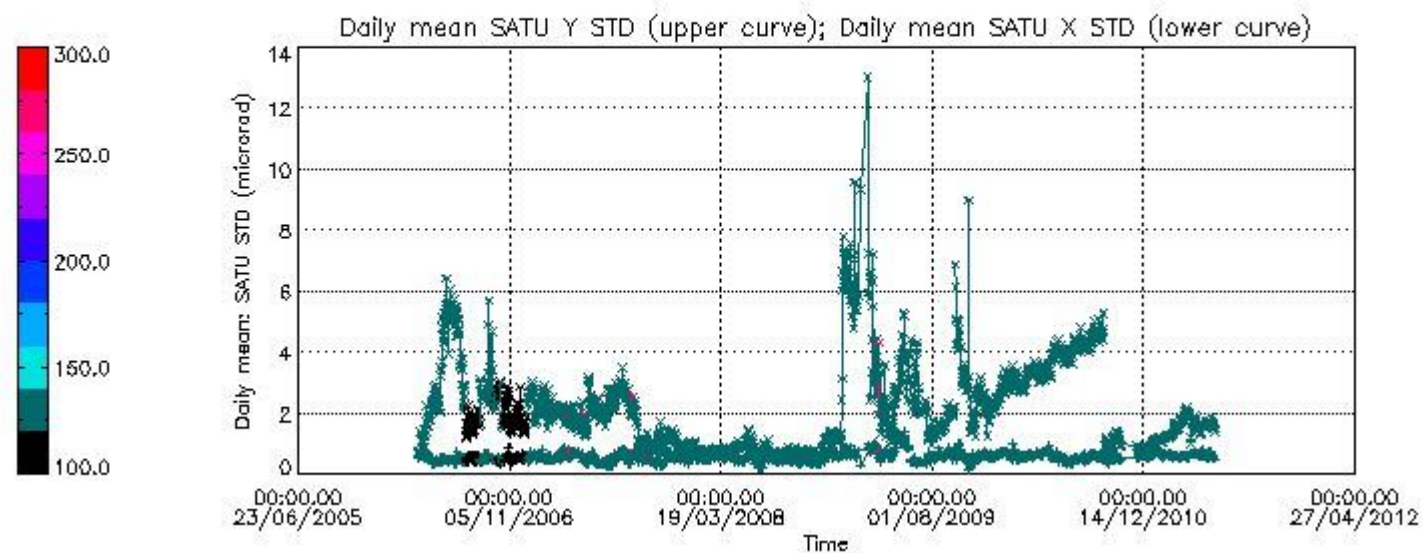
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb) and of daily SATU NEA 90th percentile since May 2011

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

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

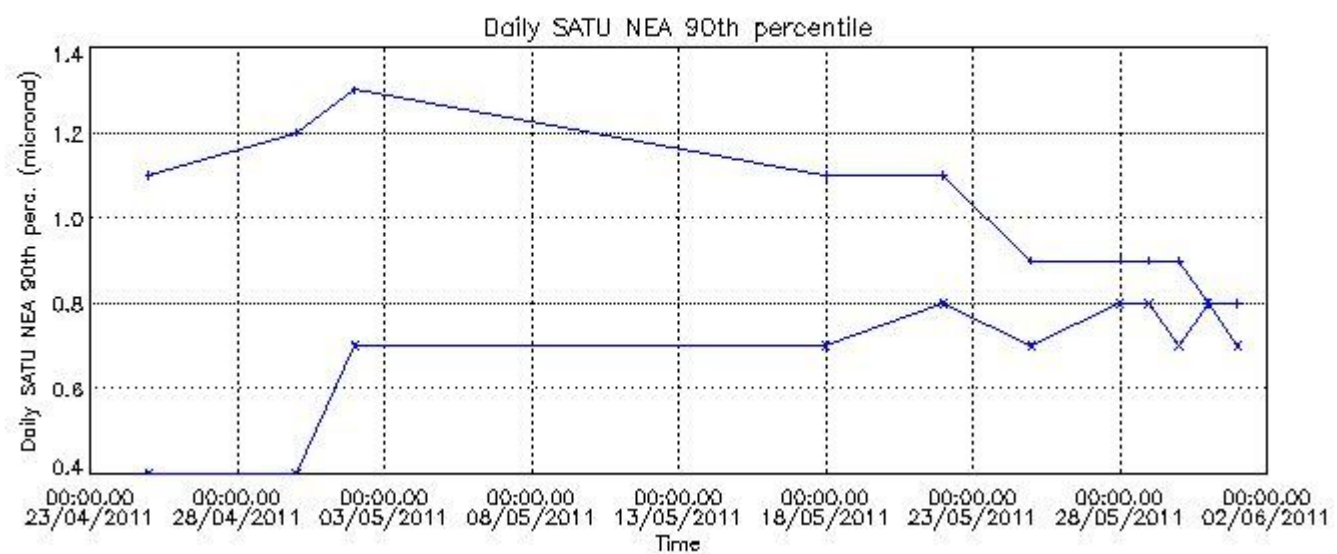
Upper curve: STD of SATU Y axis

Lower curve: STD of SATU X axis



Lower curve: 90th percentile of SATU Y axis

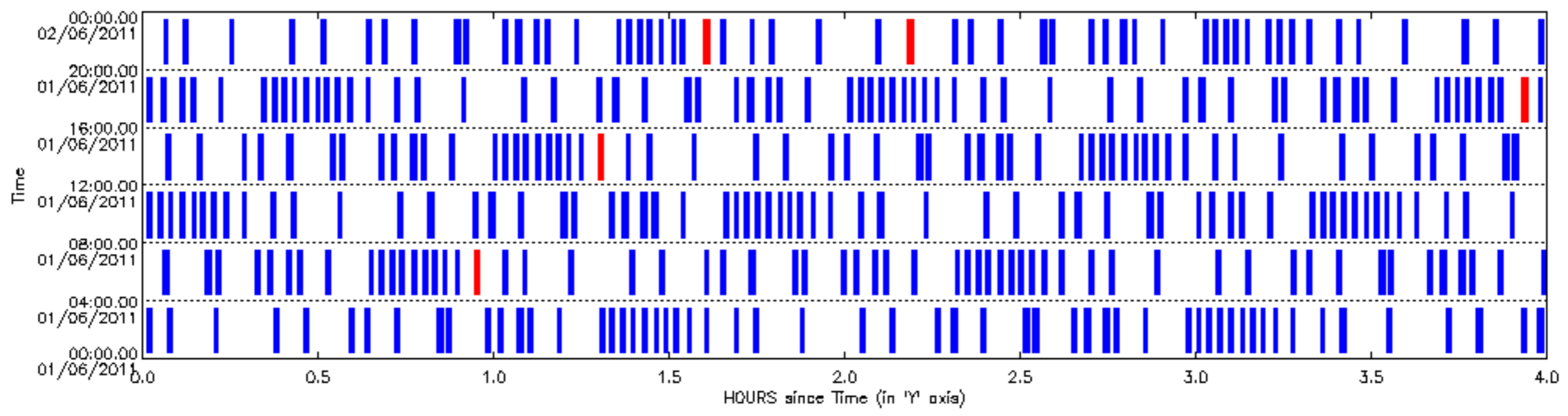
Upper curve: 90th percentile of SATU X axis

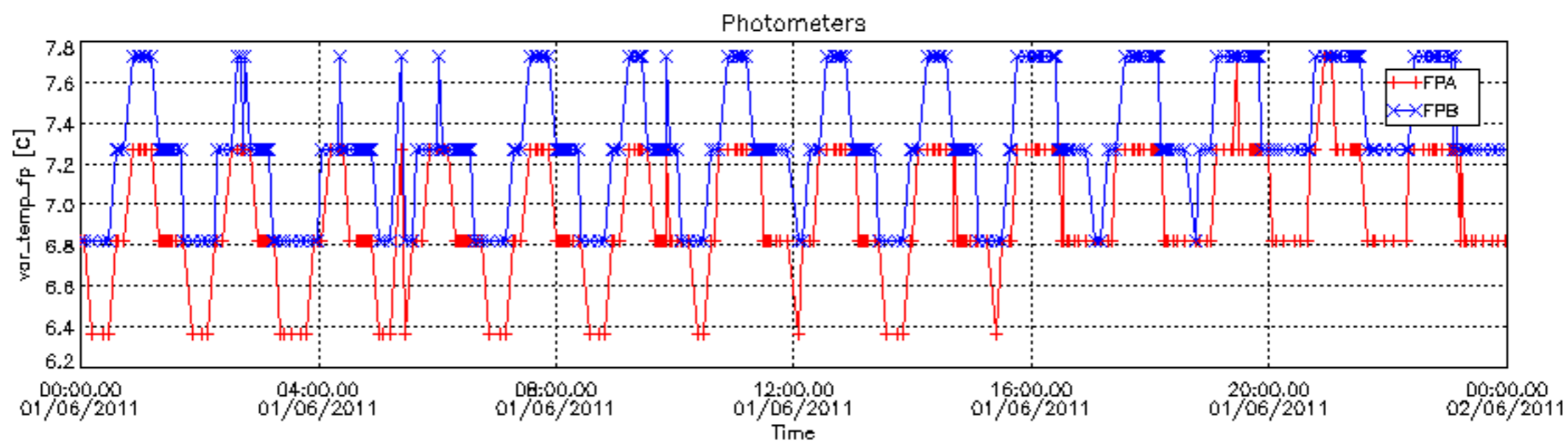
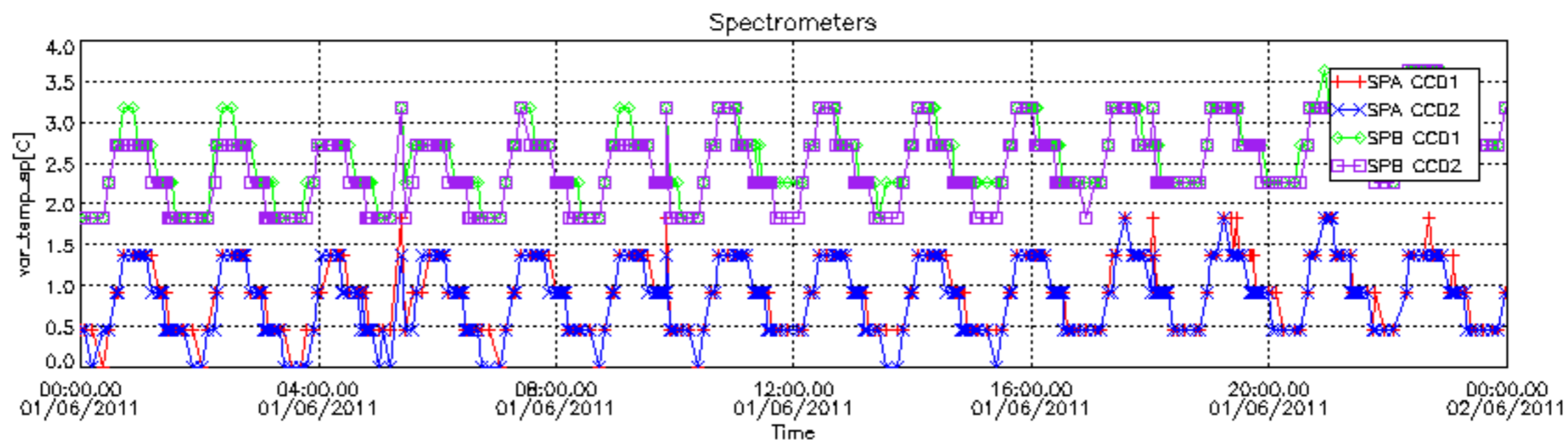


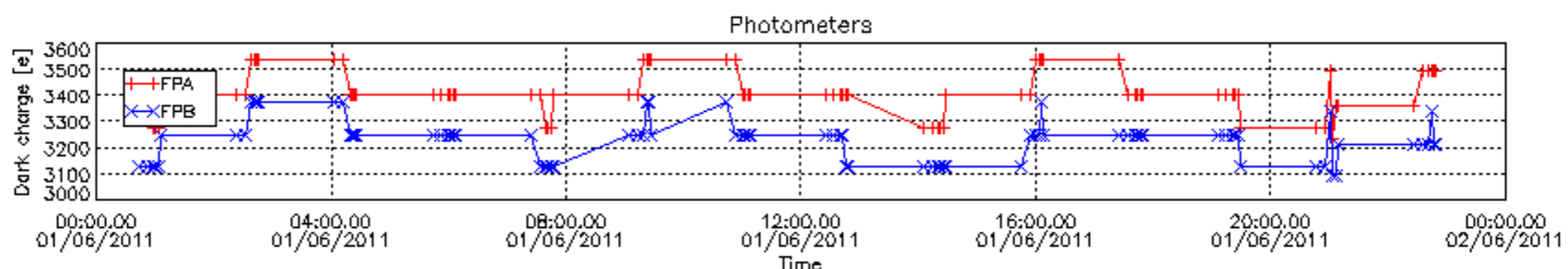
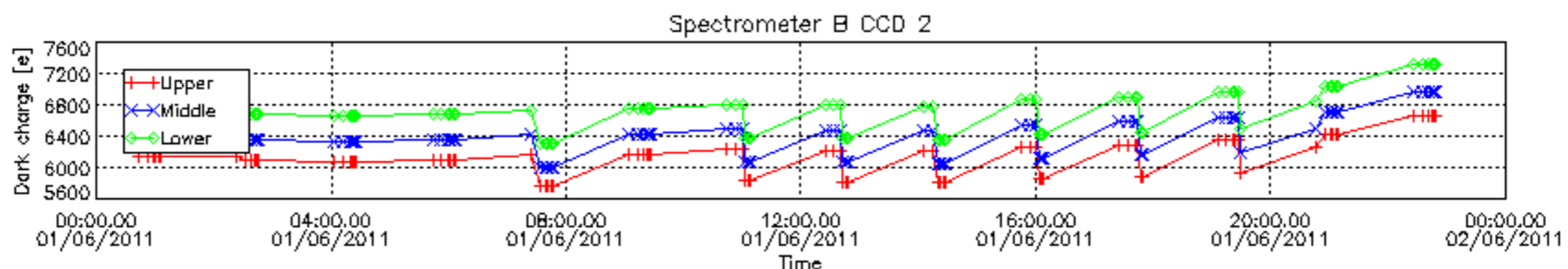
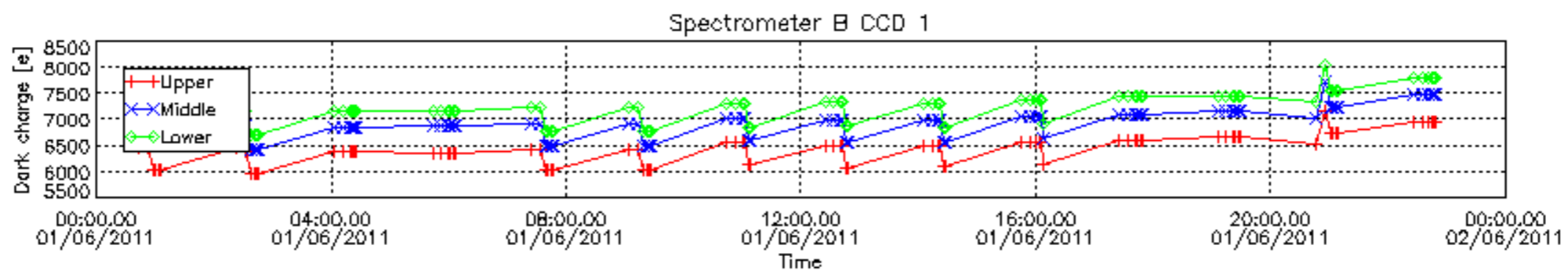
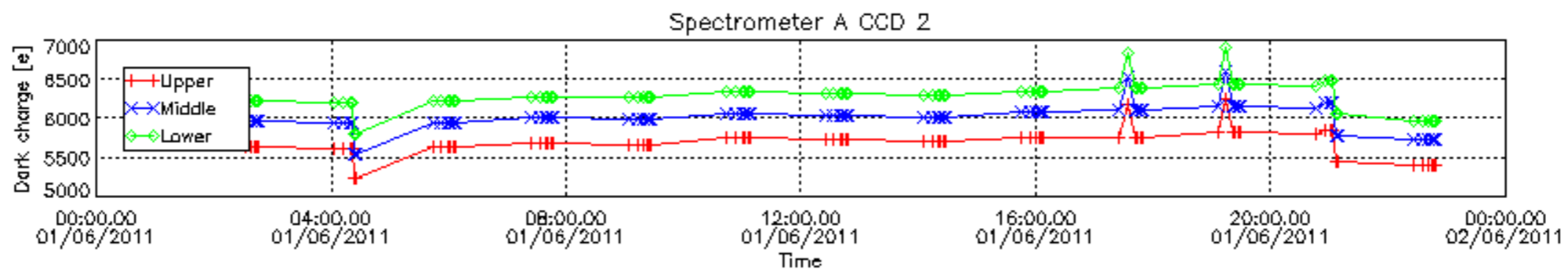
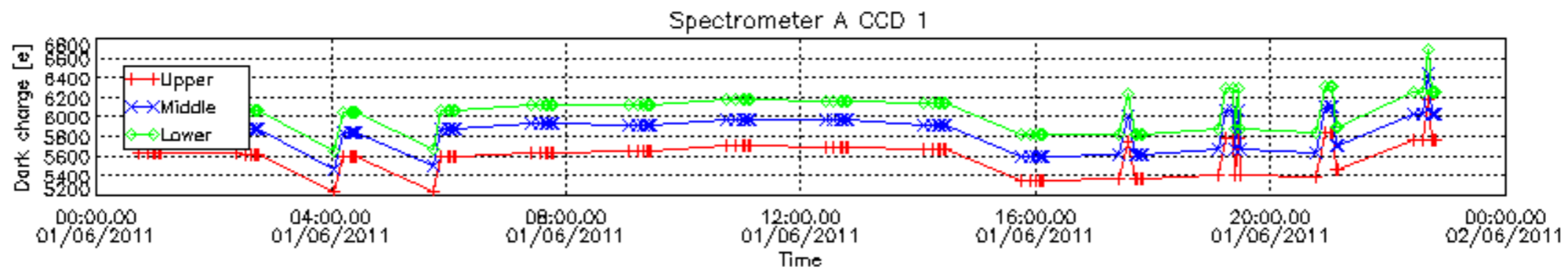
8. Auxiliary Data Files used for the production reported in section 2.4

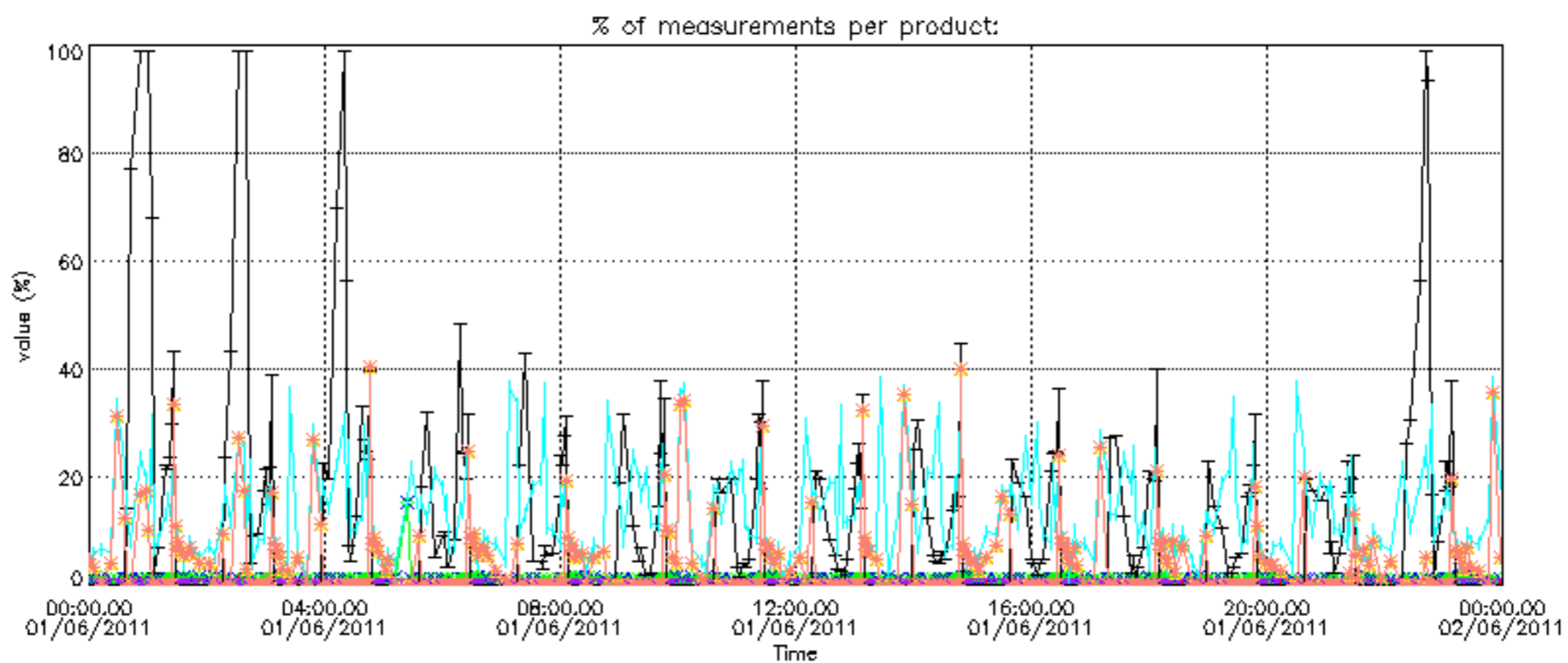
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	01-JUN-2011 00:00:49
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20110526_082123_20110525_000000_20500101_000000	1	01-JUN-2011 00:00:49
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20110601_080509_20110531_000000_20500101_000000	75	01-JUN-2011 05:23:07
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	01-JUN-2011 00:00:49
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	01-JUN-2011 00:00:49
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	01-JUN-2011 00:00:49
ECMWF_FILE	AUX_ECF_AXNECM20110531_062340_20110531_210000_20110601_090000	1	01-JUN-2011 00:00:49
ECMWF_FILE	AUX_ECF_AXNECM20110531_182338_20110601_030000_20110601_150000	52	01-JUN-2011 03:42:53
ECMWF_FILE	AUX_ECA_AXNECM20110601_062323_20110531_210000_20110601_090000	75	01-JUN-2011 05:23:07
ECMWF_FILE	AUX_ECF_AXNECM20110531_182338_20110601_030000_20110601_150000	117	01-JUN-2011 08:11:45
ECMWF_FILE	AUX_ECF_AXNECM20110601_062323_20110601_090000_20110601_210000	141	01-JUN-2011 09:51:59
ECMWF_FILE	AUX_ECF_AXNECM20110601_062323_20110601_150000_20110602_030000	232	01-JUN-2011 16:25:30
ECMWF_FILE	AUX_ECA_AXNECM20110601_180324_20110601_090000_20110601_210000	254	01-JUN-2011 18:02:14
ECMWF_FILE	AUX_ECF_AXNECM20110601_062323_20110601_150000_20110602_030000	293	01-JUN-2011 20:54:52
ECMWF_FILE	AUX_ECF_AXNECM20110601_062324_20110601_210000_20110602_090000	314	01-JUN-2011 22:35:06
OPTIONAL_ECMWF_FILE	MISSING	1	01-JUN-2011 00:00:49
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110531_230833_000057383103_00087_48377_6118.N1	1	01-JUN-2011 00:00:49
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ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110601_022508_000041443103_00089_48379_6120.N1	33	01-JUN-2011 02:32:11
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110601_033931_000057383103_00090_48380_6121.N1	52	01-JUN-2011 03:42:53
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110601_052028_000057383103_00091_48381_6122.N1	75	01-JUN-2011 05:23:07
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110601_070125_000038253103_00092_48382_4713.N1	100	01-JUN-2011 07:08:27
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110601_081030_000057383103_00093_48383_4714.N1	117	01-JUN-2011 08:11:45
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110601_095127_000054193103_00094_48384_4715.N1	141	01-JUN-2011 09:51:59
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110601_112705_000057383103_00095_48385_4716.N1	165	01-JUN-2011 11:32:13
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110601_130802_000057383103_00096_48386_4717.N1	188	01-JUN-2011 13:10:37
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110601_144859_000054193103_00097_48387_4718.N1	210	01-JUN-2011 14:49:20
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110601_162437_000054193103_00098_48388_4719.N1	232	01-JUN-2011 16:25:30
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110601_180015_000054193103_00099_48389_4720.N1	254	01-JUN-2011 18:02:14
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110601_193553_000038253103_00100_48390_6123.N1	277	01-JUN-2011 19:40:47
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110601_204458_000060573103_00100_48390_6124.N1	293	01-JUN-2011 20:54:52
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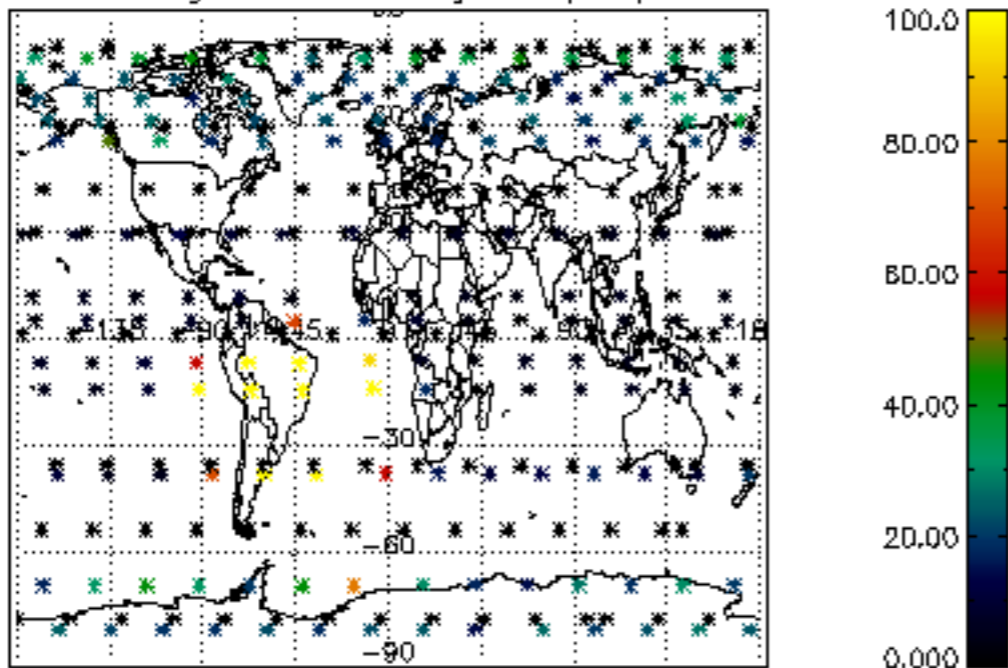




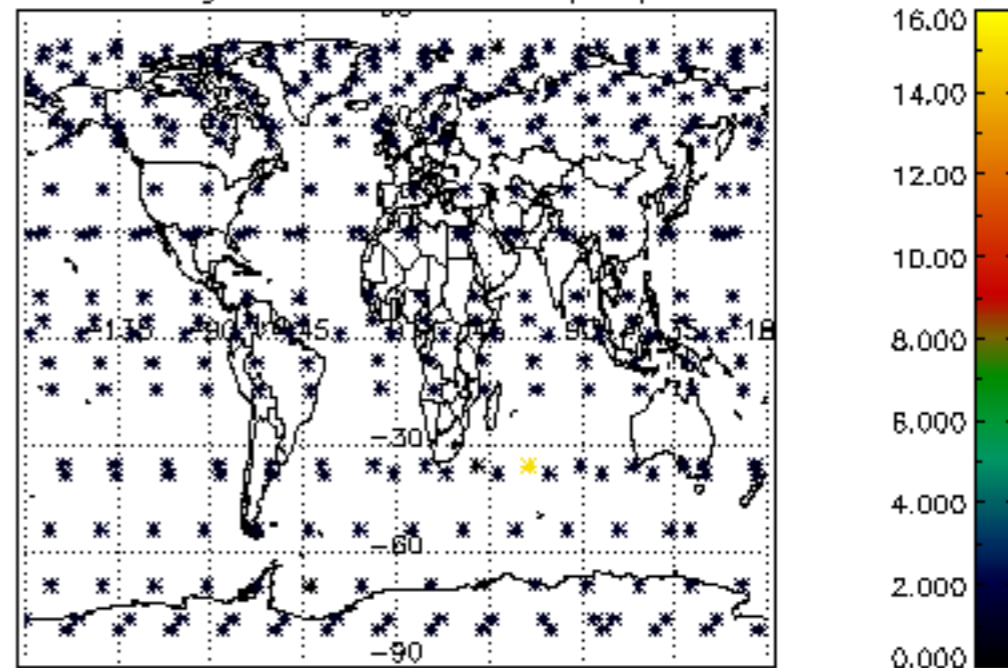




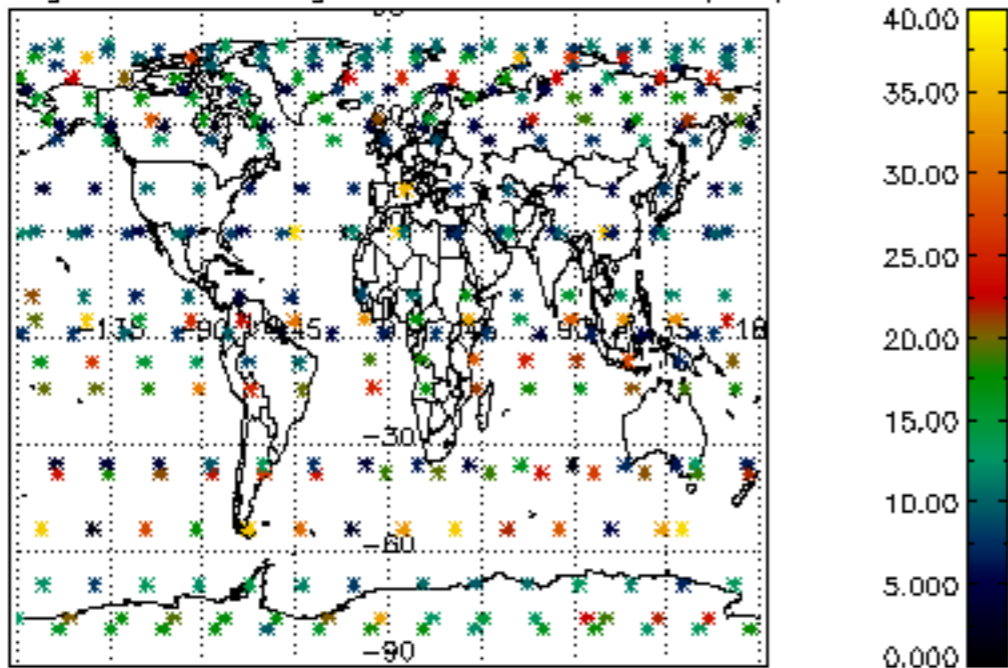
Percentage of cosmic ray hits per profile



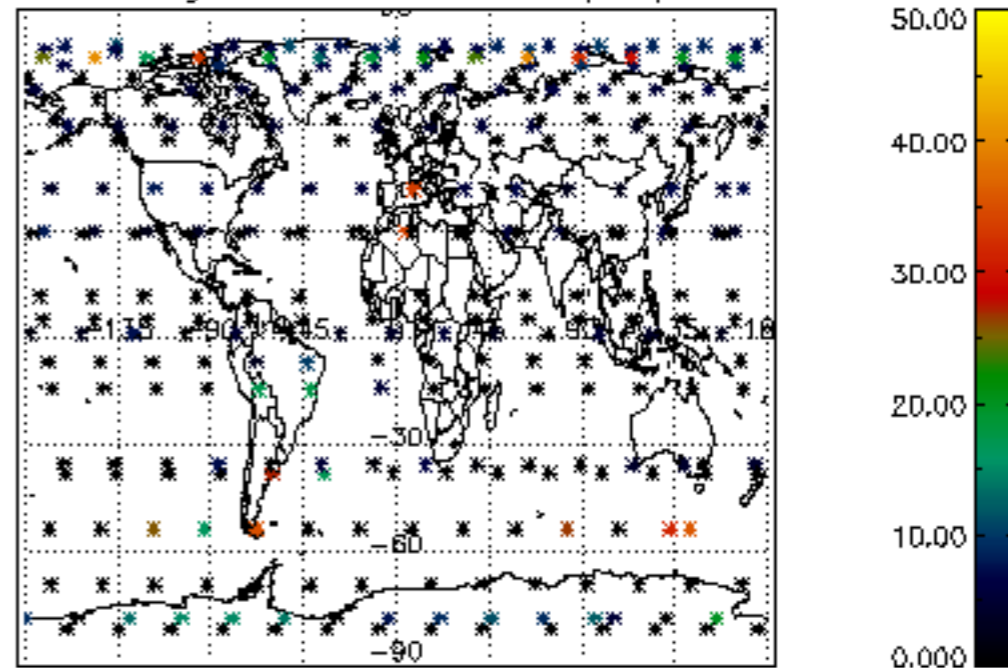
Percentage of datation errors per profile



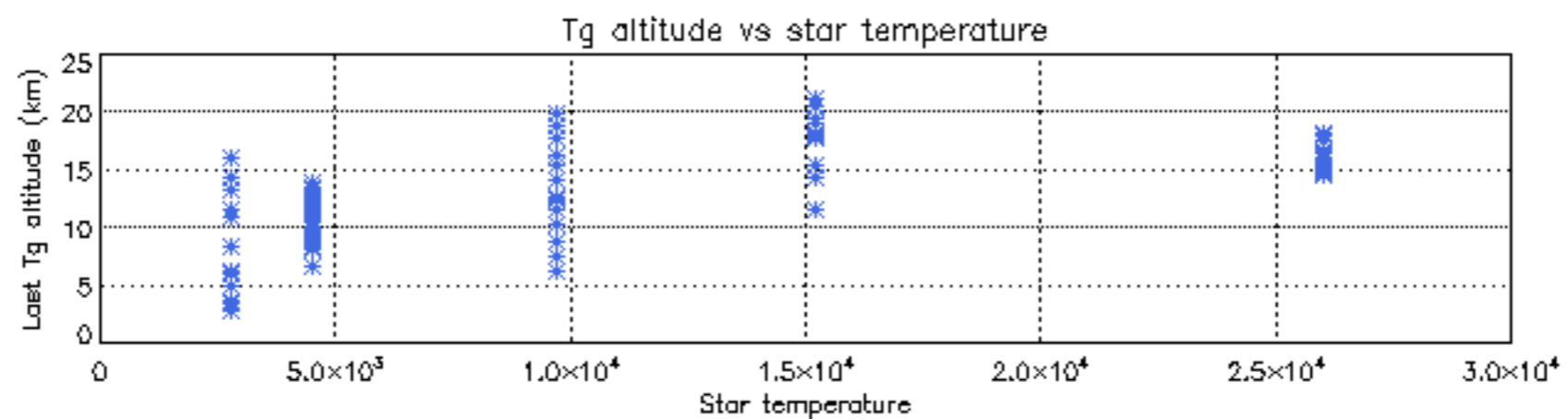
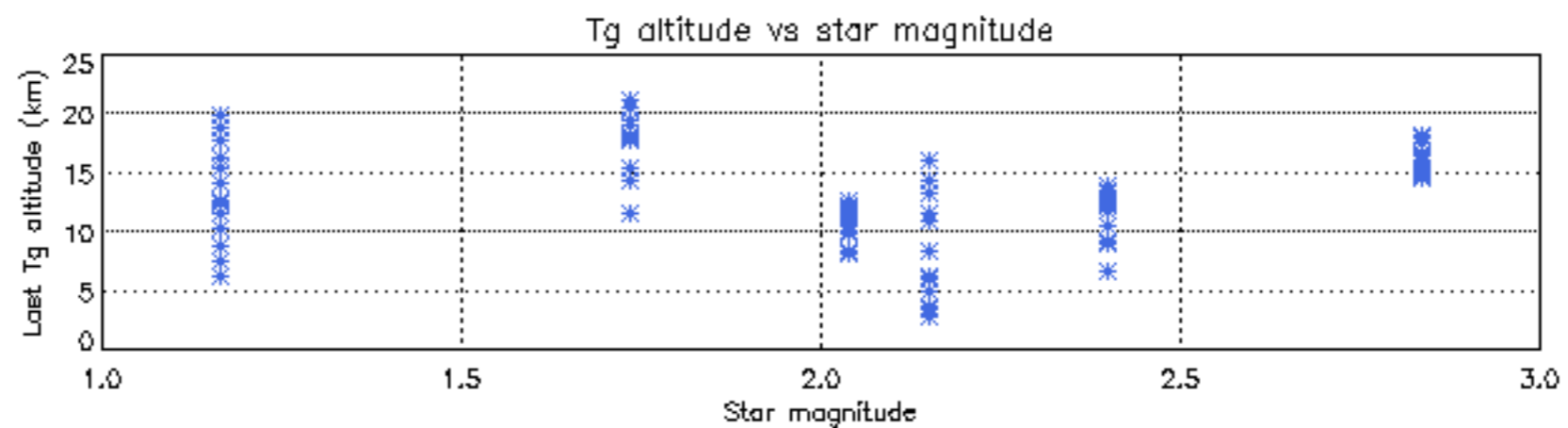
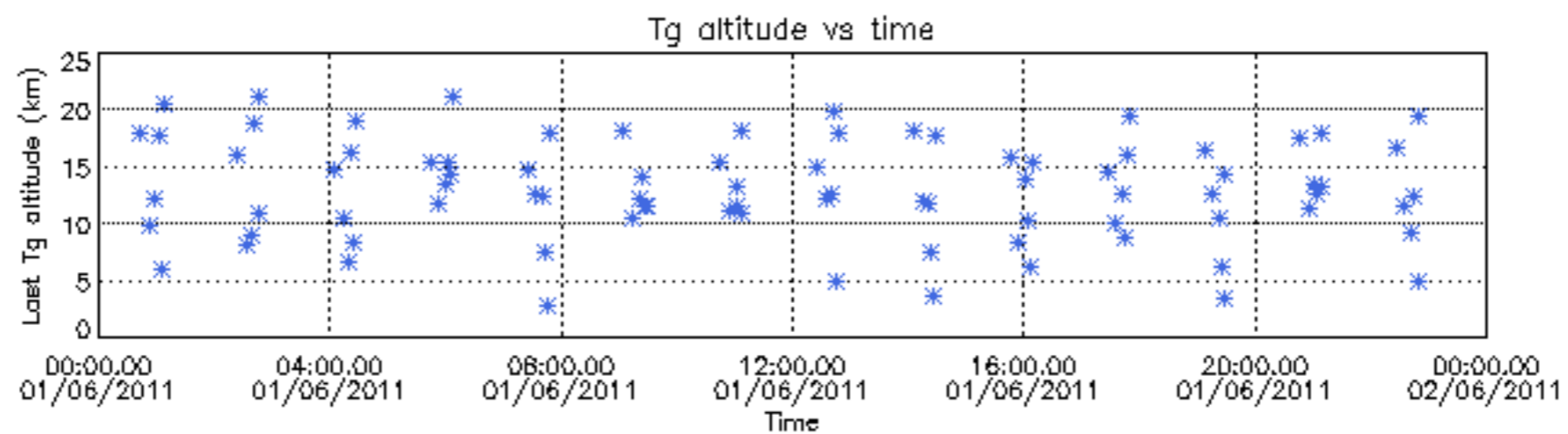
Percentage of star falling outside central band per profile



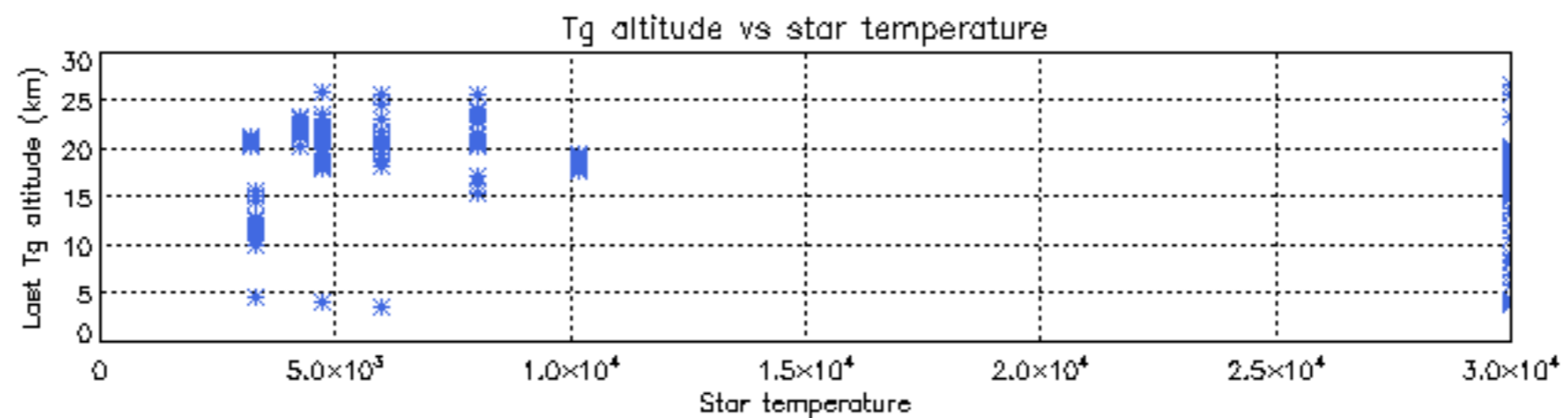
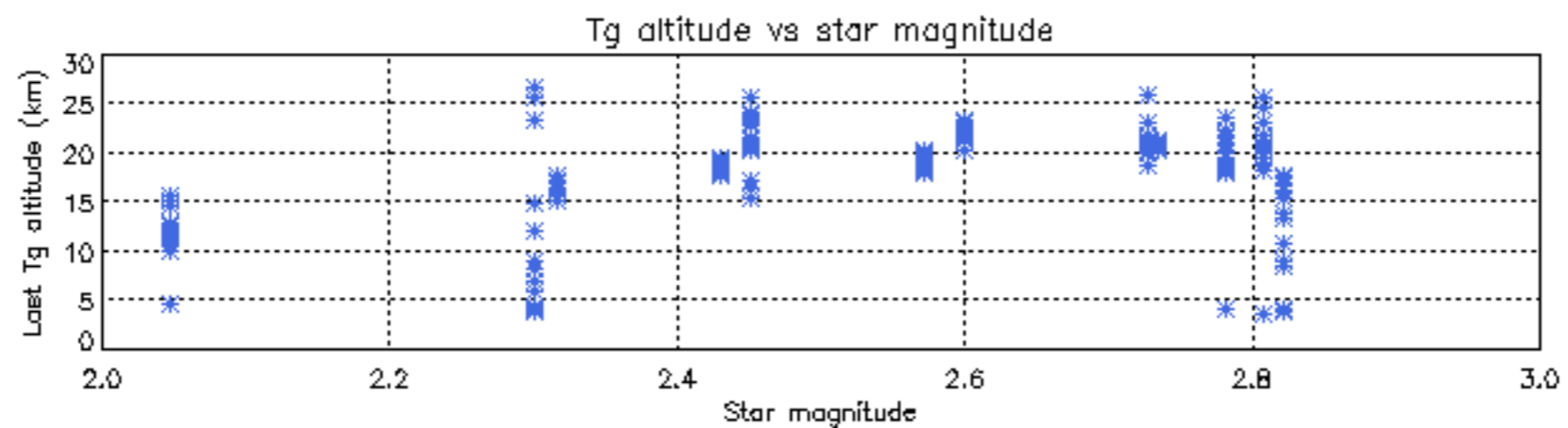
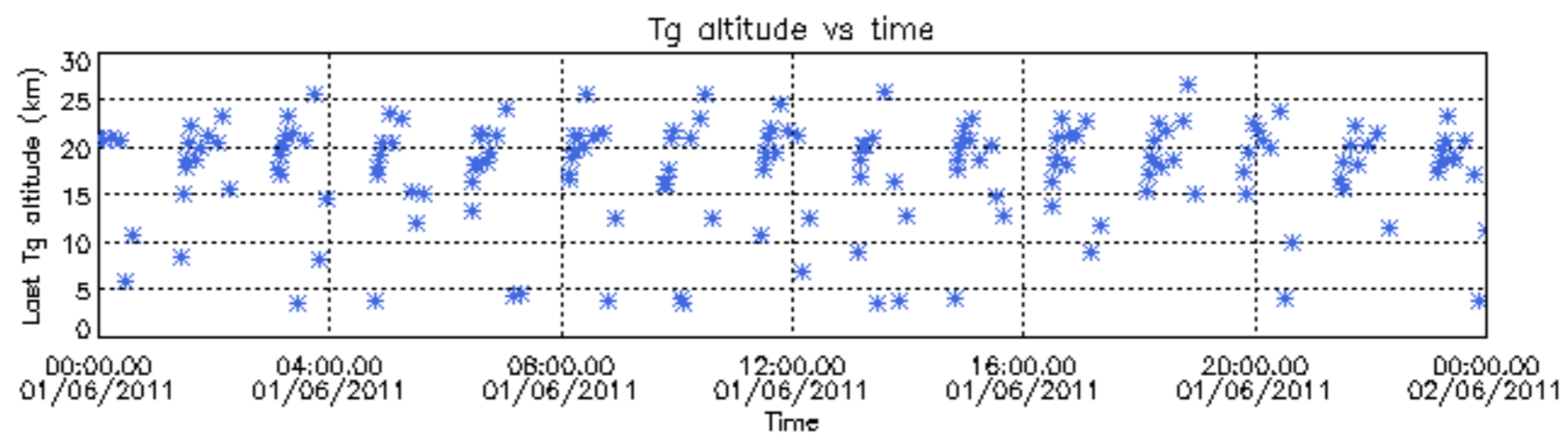
Percentage of saturation errors per profile

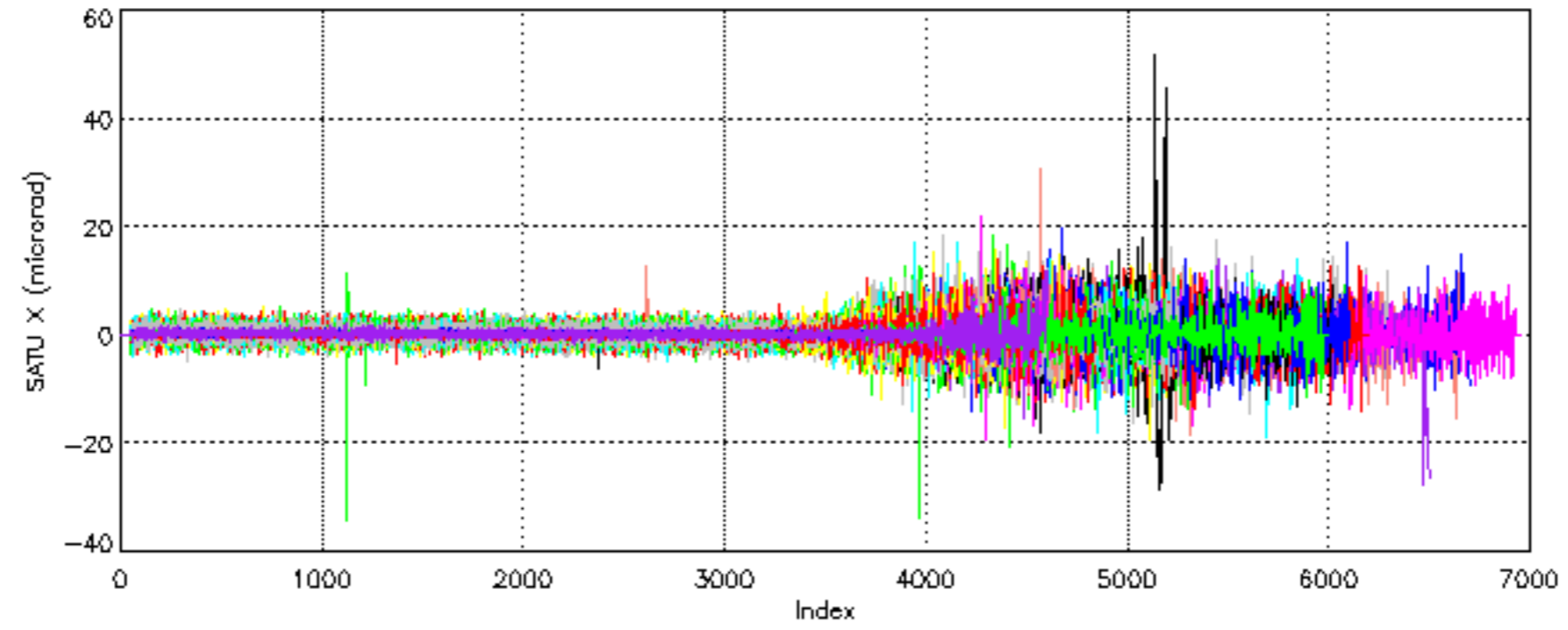


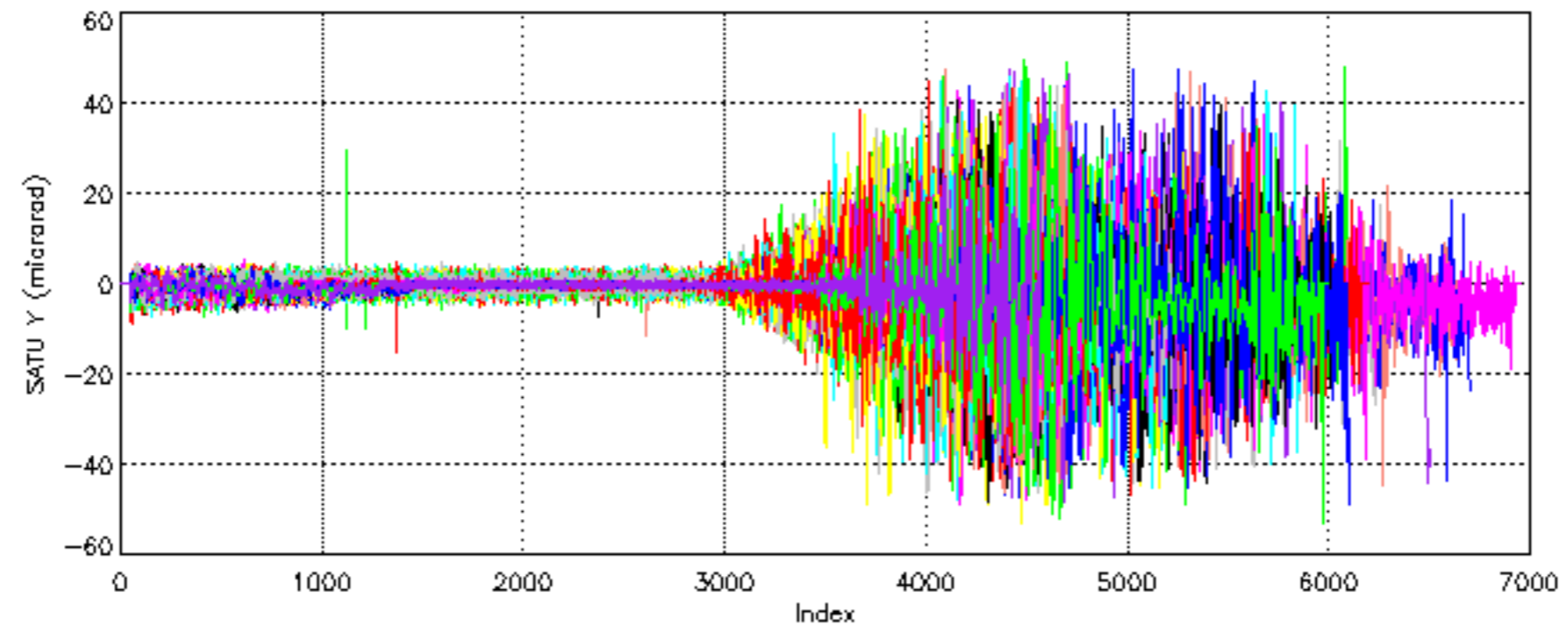
Tangent altitude at which the star is lost

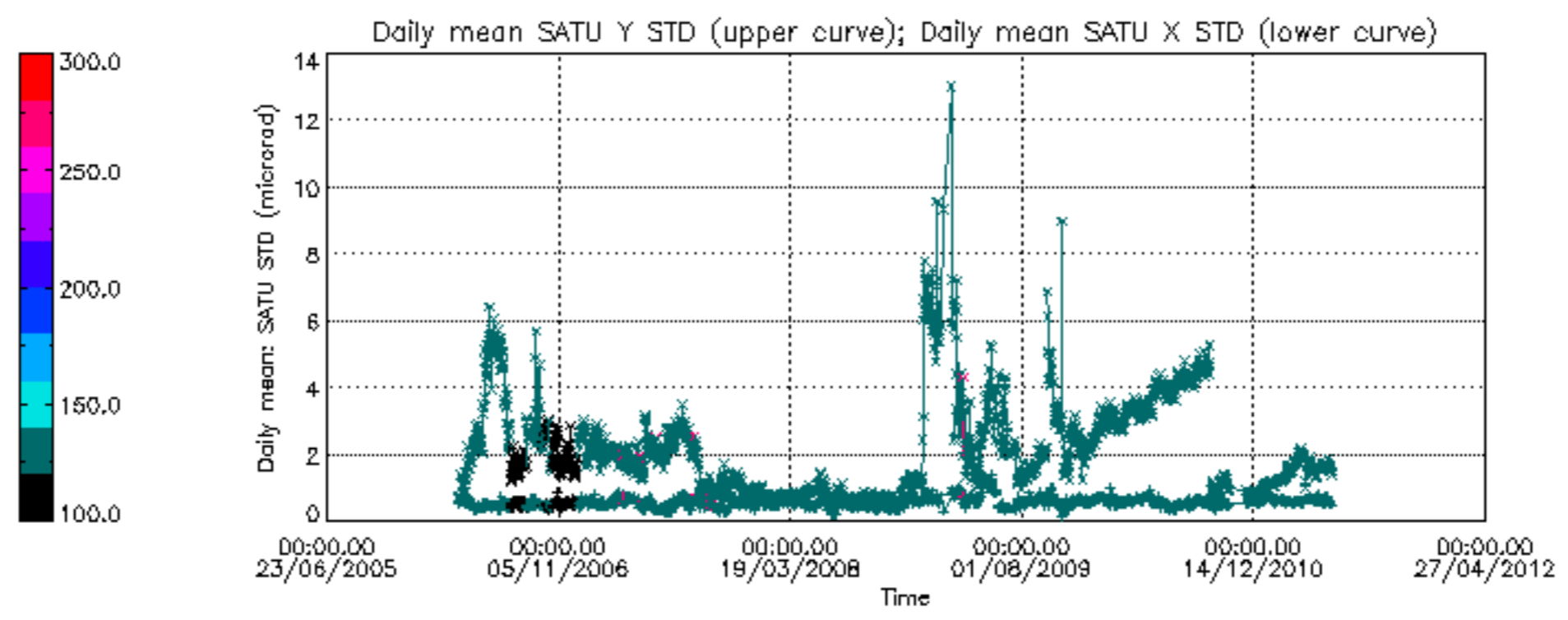


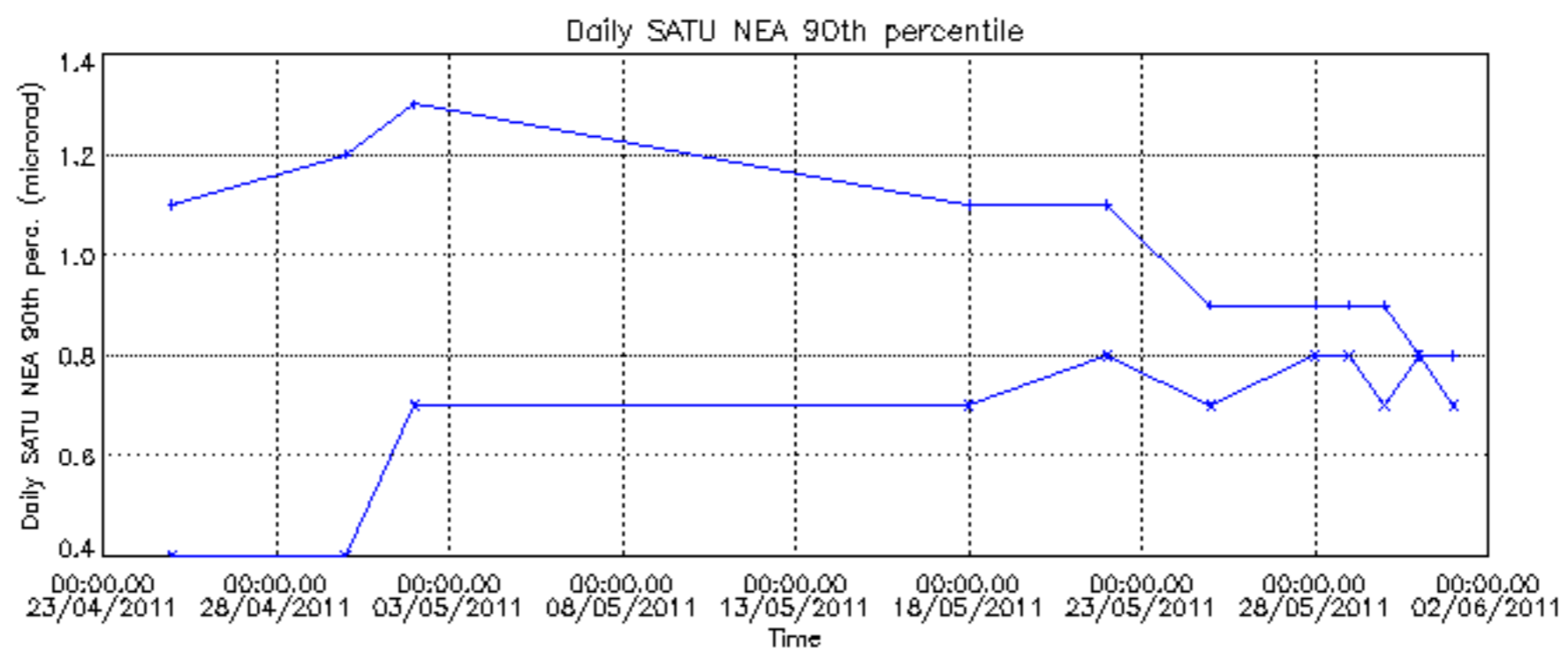
Tangent altitude at which the star is lost











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 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
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 11; 1243.7; 01-JUN-2011 01:23:21; Dark ; 45.5; 75; 26Eps Sco ; 2.29; 4250;occ; 91; 0;48379
 12; 1365.1; 01-JUN-2011 01:25:23; Dark ; 51.0; 136; 23Tau Sco ; 2.82; 30000;occ; 102; 0;48379
 13; 1488.9; 01-JUN-2011 01:27:27; Bright; 41.0; 80; 7Del Sco ; 2.32; 30000;occ; 82; 0;48379
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 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
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 3; -240.7; 01-JUN-2011 02:38:51; Dark ; 49.0; 84; Alp Phe ; 2.40; 4500;occ; 98; 0;48379
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 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
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 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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 5; -1180.3; 01-JUN-2011 04:03:25; Dark ; 53.5; 140; 88Gam Peg ; 2.83; 26000;occ; 107; 0;48380
 6; -742.9; 01-JUN-2011 04:10:43; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48380
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 11; 194.4; 01-JUN-2011 04:26:20; Dark ; 46.0; 31; Alp Gru ; 1.73; 15200;occ; 92; 0;48381
 12; 489.4; 01-JUN-2011 04:31:15; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;48381
 13; 931.5; 01-JUN-2011 04:38:37; Dark ; 42.5; 147; Alp Ara ; 2.88; 26000;occ; 85; 0;48381
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 15; 1139.7; 01-JUN-2011 04:42:05; Dark ; 48.5; 25; 35Lam Sco ; 1.62; 28000;occ; 97; 0;48381
 16; 1244.5; 01-JUN-2011 04:43:50; Dark ; 47.0; 75; 26Eps Sco ; 2.29; 4250;occ; 94; 0;48381
 17; 1365.5; 01-JUN-2011 04:45:51; Dark ; 57.0; 136; 23Tau Sco ; 2.82; 30000;occ; 114; 0;48381
 18; 1489.4; 01-JUN-2011 04:47:55; Bright; 39.5; 80; 7Del Sco ; 2.32; 30000;occ; 79; 0;48381
 19; 1580.5; 01-JUN-2011 04:49:26; Bright; 46.5; 86; 35Eta Oph ; 2.43; 10200;occ; 93; 0;48381


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24; 2984.8; 01-JUN-2011 05:12:50; Bright; 38.0; 119; 14Eta Dra ; 2.73; 4700;occ; 76; 0;48381
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6; 2854.5; 14-JUN-2011 15:35:39; Bright; 41.0; 130; 23Bet Dra ; 2.80; 5800;occ; 82; 0;48574
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8; 3477.6; 14-JUN-2011 15:46:02; Bright; 47.0; 89; 5Alp Cep ; 2.45; 8000;occ; 94; 0;48574
9; 3859.4; 14-JUN-2011 15:52:24; Bright; 64.0; 74; 11Bet Cas ; 2.27; 6600;occ; 128; 0;48574
10; 3942.0; 14-JUN-2011 15:53:46; Bright; 45.0; 68; 18Alp Cas ; 2.22; 4500;occ; 90; 0;48574
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13; 4596.5; 14-JUN-2011 16:04:41; Dark ; 49.5; 50; 13Alp Ari ; 2.01; 4250;occ; 99; 0;48574
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16; 5903.8; 14-JUN-2011 16:26:28; Dark ; 48.5; 84; Alp Phe ; 2.40; 4500;occ; 97; 0;48574
17; 6273.9; 14-JUN-2011 16:32:38; Dark ; 53.5; 63; Bet Gru ; 2.15; 2800;occ; 107; 0;48575
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19; 6507.7; 14-JUN-2011 16:36:32; Dark ; 54.0; 172; Gam Gru ; 3.00; 13100;occ; 108; 0;48575
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3; 1995.7; 14-JUN-2011 17:01:34; Bright; 44.0; 126; 60Bet Oph ; 2.77; 4250;occ; 88; 0;48575
4; 2146.6; 14-JUN-2011 17:04:05; Bright; 45.5; 59; 55Alp Oph ; 2.08; 8900;occ; 91; 0;48575
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9; 3476.4; 14-JUN-2011 17:26:15; Bright; 48.0; 89; 5Alp Cep ; 2.45; 8000;occ; 96; 0;48575
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11; 3941.3; 14-JUN-2011 17:34:00; Bright; 63.0; 68; 18Alp Cas ; 2.22; 4500;occ; 126; 0;48575
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9; 2945.6; 14-JUN-2011 18:57:38; Bright; 37.0; 119; 14Eta Dra ; 2.73; 4700;occ; 74; 0;48576
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4; 264.6; 15-JUN-2011 00:53:53; Dark ; 50.0; 63; Bet Gru ; 2.15; 2800;occ; 100; 0;48580
5; 387.3; 15-JUN-2011 00:55:56; Dark ; 48.5; 31; Alp Gru ; 1.73; 15200;occ; 97; 0;48580
6; 500.6; 15-JUN-2011 00:57:49; Dark ; 52.0; 172; Gam Gru ; 3.00; 13100;occ; 104; 0;48580
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8; 1195.0; 15-JUN-2011 01:09:23; Dark ; 50.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 101; 0;48580
9; 1284.5; 15-JUN-2011 01:10:53; Dark ; 53.5; 116; 19Del Sgr ; 2.70; 4100;occ; 107; 0;48580
10; 1602.3; 15-JUN-2011 01:16:11; Bright; 40.0; 86; 35Eta Oph ; 2.43; 10200;occ; 80; 0;48580
11; 1994.4; 15-JUN-2011 01:22:43; Bright; 46.5; 126; 60Bet Oph ; 2.77; 4250;occ; 93; 0;48580
12; 2144.9; 15-JUN-2011 01:25:13; Bright; 45.5; 59; 55Alp Oph ; 2.08; 8900;occ; 91; 0;48580
13; 2263.3; 15-JUN-2011 01:27:12; Bright; 37.0; 127; 27Bet Her ; 2.78; 4700;occ; 74; 0;48580
14; 2444.9; 15-JUN-2011 01:30:13; Bright; 39.0; 133; 40Zet Her ; 2.81; 6000;occ; 78; 0;48580
15; 2851.7; 15-JUN-2011 01:37:00; Bright; 38.0; 130; 23Bet Dra ; 2.80; 5800;occ; 76; 0;48580
16; 2946.5; 15-JUN-2011 01:38:35; Bright; 36.0; 119; 14Eta Dra ; 2.73; 4700;occ; 72; 0;48580
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12; 2144.6; 15-JUN-2011 03:05:27; Bright; 42.5; 59; 55Alp Oph ; 2.08; 8900;occ; 85; 0;48581
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5; -1416.2; 15-JUN-2011 03:46:20; Dark ; 47.5; 50; 13Alp Ari ; 2.01; 4250;occ; 95; 0;48581
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9; 266.8; 15-JUN-2011 04:14:23; Dark ; 49.5; 63; Bet Gru ; 2.15; 2800;occ; 99; 0;48582
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16; 1994.0; 15-JUN-2011 06:23:24; Bright; 44.5; 126; 60Bet Oph ; 2.77; 4250;occ; 89; 0;48583
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7; 3855.8; 15-JUN-2011 10:14:54; Bright; 45.0; 74; 11Bet Cas ; 2.27; 6600;occ; 90; 0;48585
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13; 5540.7; 15-JUN-2011 10:42:59; Dark ; 59.5; 52; 16Bet Cet ; 2.04; 4500;occ; 119; 0;48585
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13; 1248.7; 26-JUN-2011 06:07:49; Dark ; 46.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 92; 0;48741
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8; 3787.9; 26-JUN-2011 21:52:14; Bright; 46.5; 74; 11Bet Cas ; 2.27; 6600;occ; 93; 0;48750
9; 3885.2; 26-JUN-2011 21:53:52; Bright; 47.0; 68; 18Alp Cas ; 2.22; 4500;occ; 94; 0;48750
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3; 432.8; 26-JUN-2011 22:36:33; Dark ; 49.0; 63; Bet Gru ; 2.15; 2800;occ; 98; 0;48751
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 11; 4933.5; 26-JUN-2011 15:30:24; Dark ; 47.5; 94; 92Alp Cet ; 2.53; 3100;occ; 95; 0;48746
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 14; 6443.2; 26-JUN-2011 15:55:33; Dark ; 56.0; 63; Bet Gru ; 2.15; 2800;occ; 112; 0;48747
 15; 6562.5; 26-JUN-2011 15:57:33; Dark ; 48.5; 31; Alp Gru ; 1.73; 15200;occ; 97; 0;48747
 16; 6725.9; 26-JUN-2011 16:00:16; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;48747
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 4; 1971.7; 26-JUN-2011 16:21:16; Bright; 38.0; 126; 60Bet Oph ; 2.77; 4250;occ; 76; 0;48747
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 7; 2802.6; 26-JUN-2011 16:35:07; Bright; 40.0; 130; 23Bet Dra ; 2.80; 5800;occ; 80; 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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 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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 9; 3885.8; 26-JUN-2011 20:13:38; Bright; 47.5; 68; 18Alp Cas ; 2.22; 4500;occ; 95; 0;48749
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11; 4246.7; 26-JUN-2011 20:19:39; Bright; 45.5; 73; 57Gam1And ; 2.26; 13100;occ; 91; 0;48749
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 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
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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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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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 3; 461.1; 28-JUN-2011 23:03:47; Dark ; 53.0; 63; Bet Gru ; 2.15; 2800;occ; 106; 0;48780
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13; 2796.0; 28-JUN-2011 23:42:42; Bright; 38.0; 130; 23Bet Dra ; 2.80; 5800;occ; 76; 0;48780
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13; 1257.2; 28-JUN-2011 08:14:57; Dark ; 44.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 89; 0;48771
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 6; 3777.8; 28-JUN-2011 08:56:58; Bright; 51.5; 74; 11Bet Cas ; 2.27; 6600;occ; 103; 0;48771
 7; 3876.8; 28-JUN-2011 08:58:37; Bright; 49.0; 68; 18Alp Cas ; 2.22; 4500;occ; 98; 0;48771
 8; 4043.3; 28-JUN-2011 09:01:23; Bright; 36.0; 160; 23Gam Per ; 2.93; 4700;occ; 72; 0;48771
 9; 4245.9; 28-JUN-2011 09:04:46; Bright; 47.0; 73; 57Gam1And ; 2.26; 13100;occ; 94; 0;48771
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16; 6585.0; 28-JUN-2011 09:43:45; Dark ; 48.5; 31; Alp Gru ; 1.73; 15200;occ; 97; 0;48772
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19; 7353.4; 28-JUN-2011 09:56:34; Dark ; 50.0; 116; 19Del Sgr ; 2.70; 4100;occ; 100; 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
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13; 5460.7; 28-JUN-2011 11:05:15; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48772
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15; 6468.2; 28-JUN-2011 11:22:02; Dark ; 51.0; 63; Bet Gru ; 2.15; 2800;occ; 102; 0;48773
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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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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
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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
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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
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 12; 4245.7; 28-JUN-2011 17:25:56; Bright; 47.5; 73; 57Gam1And ; 2.26; 13100;occ; 95; 0;48776
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 13; 2795.9; 29-JUN-2011 01:22:56; Bright; 35.5; 130; 23Bet Dra ; 2.80; 5800;occ; 71; 0;48781
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 9; 2109.6; 29-JUN-2011 02:51:43; Bright; 37.5; 59; 55Alp Oph ; 2.08; 8900;occ; 75; 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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 9; 3328.8; 29-JUN-2011 19:54:23; Bright; 47.0; 89; 5Alp Cep ; 2.45; 8000;occ; 94; 0;48792
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 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
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 17; 5477.6; 29-JUN-2011 20:30:11; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48792
 18; 6099.9; 29-JUN-2011 20:40:34; Dark ; 48.5; 84; Alp Phe ; 2.40; 4500;occ; 97; 0;48793
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 18; 4244.3; 30-JUN-2011 02:50:34; Bright; 46.0; 73; 57Gam1And ; 2.26; 13100;occ; 92; 0;48796
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 21; 4952.8; 30-JUN-2011 03:02:22; Dark ; 48.5; 94; 92Alp Cet ; 2.53; 3100;occ; 97; 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
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 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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9; 91.1; 30-JUN-2011 05:01:49; Dark ; 47.0; 84; Alp Phe ; 2.40; 4500;occ; 94; 0;48798
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13; 4145.4; 30-JUN-2011 21:11:29; Bright; 54.0; 175; 39Del Per ; 3.01; 19400;occ; 108; 0;48807
14; 4243.6; 30-JUN-2011 21:13:07; Bright; 49.0; 73; 57Gam1And ; 2.26; 13100;occ; 98; 0;48807
15; 4402.3; 30-JUN-2011 21:15:46; Dark ; 50.5; 173; 4Bet Tri ; 3.00; 8900;occ; 101; 0;48807
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7;-1060.3; 30-JUN-2011 06:22:51; Dark ; 47.5; 94; 92Alp Cet ; 2.53; 3100;occ; 95; 0;48798
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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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 9; 3855.4; 30-JUN-2011 12:45:29; Bright; 63.0; 110; 37Del Cas ; 2.68; 8900;occ; 126; 0;48802
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11;	4145.2;	30-JUN-2011	12:50:19;	Bright;	34.0;	175;	39Del Per	;	3.01;	19400;occ;	68;	0;48802	
12;	4243.9;	30-JUN-2011	12:51:57;	Bright;	47.0;	73;	57Gam1And	;	2.26;	13100;occ;	94;	0;48802	
13;	4402.0;	30-JUN-2011	12:54:36;	Dark	;	47.0;	173;	4Bet Tri	;	3.00;	8900;occ;	94;	0;48802
14;	4656.7;	30-JUN-2011	12:58:50;	Dark	;	56.0;	50;	13Alp Ari	;	2.01;	4250;occ;	112;	0;48802
15;	4955.4;	30-JUN-2011	13:03:49;	Dark	;	51.5;	94;	92Alp Cet	;	2.53;	3100;occ;	103;	0;48802
16;	5486.3;	30-JUN-2011	13:12:40;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;48802
17;	6110.1;	30-JUN-2011	13:23:04;	Dark	;	50.5;	84;	Alp Phe	;	2.40;	4500;occ;	101;	0;48803
18;	6497.5;	30-JUN-2011	13:29:31;	Dark	;	51.5;	63;	Bet Gru	;	2.15;	2800;occ;	103;	0;48803
19;	6613.3;	30-JUN-2011	13:31:27;	Dark	;	48.5;	31;	Alp Gru	;	1.73;	15200;occ;	97;	0;48803
20;	6754.2;	30-JUN-2011	13:33:48;	Dark	;	41.5;	45;	Alp Pav	;	1.94;	26000;occ;	83;	0;48803
21;	7320.6;	30-JUN-2011	13:43:14;	Dark	;	44.0;	103;	38Zet Sgr	;	2.60;	9700;occ;	88;	0;48803
22;	7485.0;	30-JUN-2011	13:45:59;	Bright;	45.5;	155;	41Pi Sgr	;	2.90;	6600;occ;	91;	0;48803	
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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	
5;	2792.8;	30-JUN-2011	14:08:00;	Bright;	38.5;	130;	23Bet Dra	;	2.80;	5800;occ;	77;	0;48803	
6;	2901.2;	30-JUN-2011	14:09:49;	Bright;	49.5;	144;	18Del Cyg	;	2.86;	11000;occ;	99;	0;48803	
7;	3321.6;	30-JUN-2011	14:16:49;	Bright;	43.5;	89;	5Alp Cep	;	2.45;	8000;occ;	87;	0;48803	
8;	3761.5;	30-JUN-2011	14:24:09;	Bright;	68.0;	74;	11Bet Cas	;	2.27;	6600;occ;	136;	0;48803	
9;	3855.1;	30-JUN-2011	14:25:43;	Bright;	56.0;	110;	37Del Cas	;	2.68;	8900;occ;	112;	0;48803	
10;	4041.8;	30-JUN-2011	14:28:49;	Bright;	36.0;	160;	23Gam Per	;	2.93;	4700;occ;	72;	0;48803	
11;	4145.2;	30-JUN-2011	14:30:33;	Bright;	42.0;	175;	39Del Per	;	3.01;	19400;occ;	84;	0;48803	
12;	4243.9;	30-JUN-2011	14:32:11;	Bright;	47.5;	73;	57Gam1And	;	2.26;	13100;occ;	95;	0;48803	
13;	4402.1;	30-JUN-2011	14:34:50;	Dark	;	51.0;	173;	4Bet Tri	;	3.00;	8900;occ;	102;	0;48803
14;	4657.1;	30-JUN-2011	14:39:05;	Dark	;	59.0;	50;	13Alp Ari	;	2.01;	4250;occ;	118;	0;48803
15;	4955.9;	30-JUN-2011	14:44:03;	Dark	;	48.5;	94;	92Alp Cet	;	2.53;	3100;occ;	97;	0;48803
16;	5487.2;	30-JUN-2011	14:52:55;	Dark	;	59.0;	0;		;	0.00;	0;occ;	118;	0;48803
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
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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	
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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	
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16;	4956.3;	30-JUN-2011	16:24:18;	Dark	;	49.5;	94;	92Alp Cet	;	2.53;	3100;occ;	99;	0;48804
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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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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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