

GOMOS Daily Report 15-MAY-2010

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	19MAY2010 04:58:02
Data source version	GOMOS/5.00L04
Start time of products	15MAY2010 00:08:15
Stop time of products	15MAY2010 23:59:50
Store outputs in DB	Yes
Nb of level 1b prods	115
Nb of prods with errors	1

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

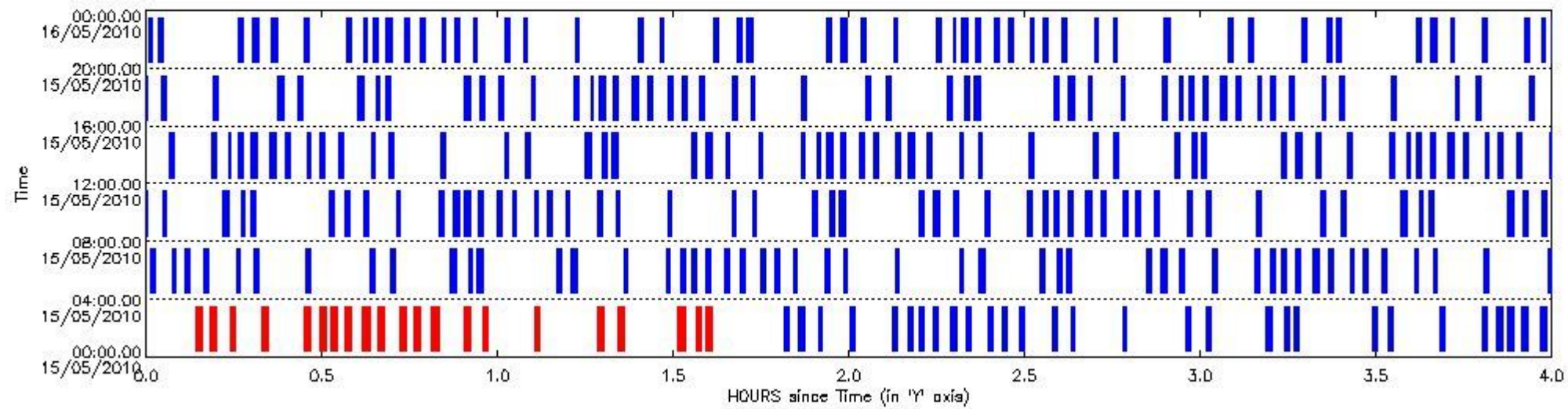
2.1 Level 0 products arrived in PCF (see template [here](#))

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
15-MAY-2010 00:08:24	24AlpPsA	18	42898
15-MAY-2010 00:10:51	DSA1037	0	42898
15-MAY-2010 00:14:14	AlpGru	31	42898
15-MAY-2010 00:19:48	AlpPav	45	42899
15-MAY-2010 00:27:03	BetAra	141	42899
15-MAY-2010 00:29:34	TheSco	40	42899
15-MAY-2010 00:31:26	35LamSco	25	42899
15-MAY-2010 00:33:50	26EpsSco	75	42899
15-MAY-2010 00:36:58	21AlpSco	16	42899
15-MAY-2010 00:39:37	8Bet1Sco	97	42899
15-MAY-2010 00:43:20	27BetLib	104	42899
15-MAY-2010 00:45:34	1DelOph	120	42899
15-MAY-2010 00:48:45	24AlpSer	102	42899
15-MAY-2010 00:54:19		83	42899
15-MAY-2010 00:57:27	27GamBoo	180	42899

15-MAY-2010 01:06:13	14EtaDra	119	42899
15-MAY-2010 01:17:09	5AlpCep	89	42899
15-MAY-2010 01:20:36	11BetCas	74	42899
15-MAY-2010 01:30:49	53BetPeg	93	42899
15-MAY-2010 01:33:52	88GamPeg	140	42899
15-MAY-2010 01:35:27	54AlpPeg	90	42899

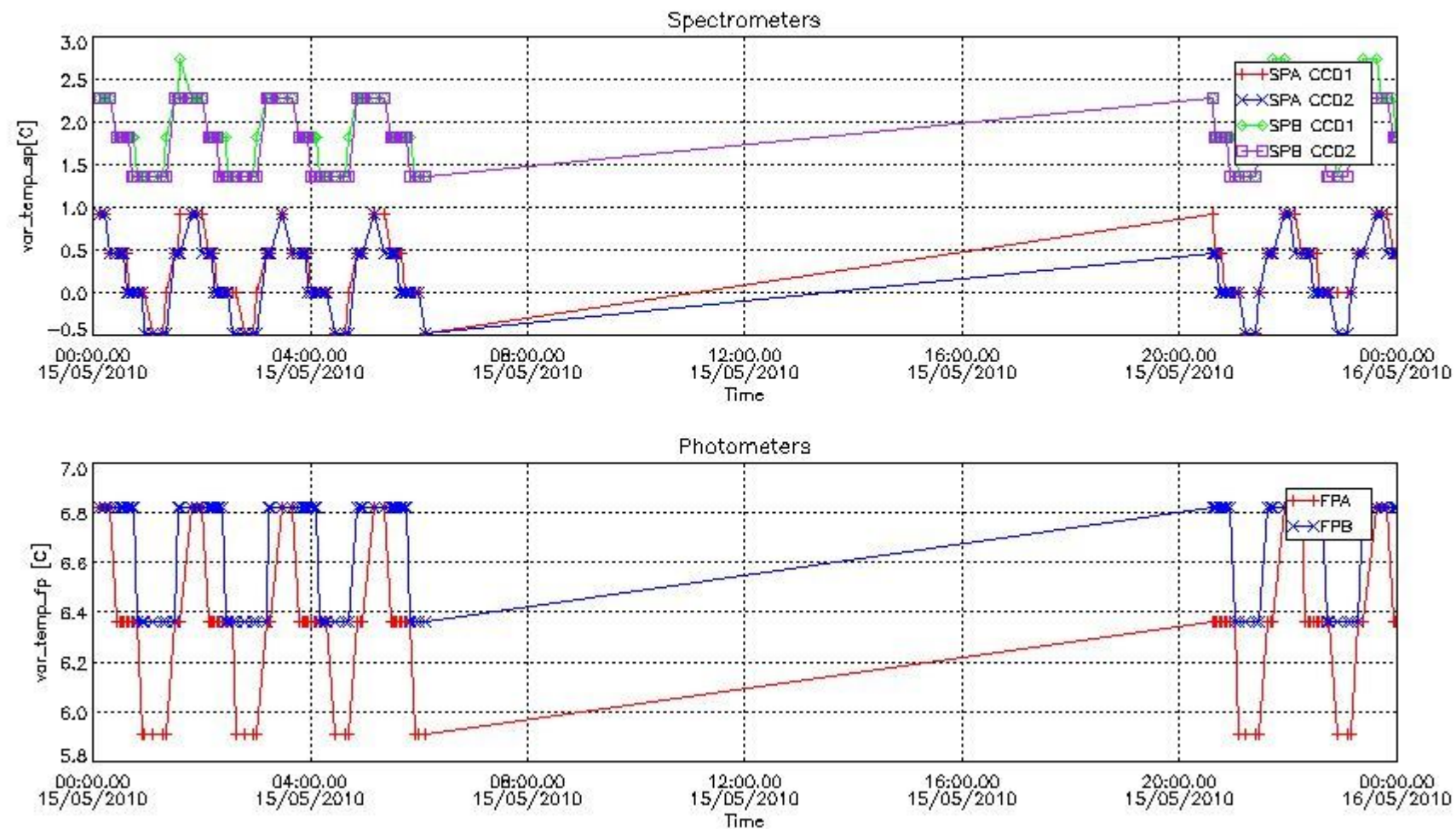
2.4 Summary of processed GOM_TRA_1P products

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20100515_000815_000000482089_00259_42898_1429.N1	15-MAY-2010 00:08:15	Dark	48.000	18	24Alp PsA	1.1660	9700.0	96	42898	No
2	GOM_TRA_1PNPDE20100515_001406_000000422089_00259_42898_1430.N1	15-MAY-2010 00:14:06	Dark	41.500	31	Alp Gru	1.7340	15200.	83	42898	No
3	GOM_TRA_1PNPDE20100515_001940_000000432089_00260_42899_1431.N1	15-MAY-2010 00:19:40	Dark	43.000	45	Alp Pav	1.9400	26000.	86	42899	No
4	GOM_TRA_1PNPDE20100515_002655_000000442089_00260_42899_1432.N1	15-MAY-2010 00:26:55	Straylight	44.000	141	Bet Ara	2.8400	4600.0	88	42899	No
5	GOM_TRA_1PNPDE20100515_002926_000000612089_00260_42899_1433.N1	15-MAY-2010 00:29:26	Straylight	60.500	40	The Sco	1.8590	7100.0	121	42899	No
6	GOM_TRA_1PNPDE20100515_003118_000000552089_00260_42899_1434.N1	15-MAY-2010 00:31:18	Straylight	55.000	25	35Lam Sco	1.6200	28000.	110	42899	No
7	GOM_TRA_1PNPDE20100515_003342_000000522089_00260_42899_1435.N1	15-MAY-2010 00:33:42	Twilight	52.000	75	26Eps Sco	2.2910	4250.0	104	42899	No
8	GOM_TRA_1PNPDE20100515_003650_000000622089_00260_42899_1436.N1	15-MAY-2010 00:36:50	Twilight	61.500	16	21Alp Sco	1.0200	3000.0	123	42899	No
9	GOM_TRA_1PNPDE20100515_003929_000000452089_00260_42899_1437.N1	15-MAY-2010 00:39:29	Bright	44.500	97	8Bet1Sco	2.5610	30000.	89	42899	No
10	GOM_TRA_1PNPDE20100515_004311_000000402089_00260_42899_1438.N1	15-MAY-2010 00:43:11	Bright	40.000	104	27Bet Lib	2.6140	13100.	80	42899	No
11	GOM_TRA_1PNPDE20100515_004525_000000532089_00260_42899_1439.N1	15-MAY-2010 00:45:25	Bright	52.500	120	1Del Oph	2.7340	3200.0	105	42899	No
12	GOM_TRA_1PNPDE20100515_004837_000000452089_00260_42899_1440.N1	15-MAY-2010 00:48:37	Bright	45.000	102	24Alp Ser	2.6000	4250.0	90	42899	No
13	GOM_TRA_1PNPDE20100515_005411_000000382089_00260_42899_1441.N1	15-MAY-2010 00:54:11	Bright	37.500	83		2.3780	11000.	75	42899	No
14	GOM_TRA_1PNPDE20100515_005719_000000382089_00260_42899_1442.N1	15-MAY-2010 00:57:19	Bright	38.000	180	27Gam Boo	3.0400	8000.0	76	42899	No
15	GOM_TRA_1PNPDE20100515_010605_000000612089_00260_42899_1443.N1	15-MAY-2010 01:06:05	Bright	61.000	119	14Eta Dra	2.7270	4700.0	122	42899	No
16	GOM_TRA_1PNPDE20100515_011701_000000432089_00260_42899_1444.N1	15-MAY-2010 01:17:01	Bright	43.000	89	5Alp Cep	2.4510	8000.0	86	42899	No
17	GOM_TRA_1PNPDE20100515_012028_000000552089_00260_42899_1445.N1	15-MAY-2010 01:20:28	Bright	55.000	74	11Bet Cas	2.2680	6600.0	110	42899	No
18	GOM_TRA_1PNPDE20100515_013041_000000582089_00260_42899_1446.N1	15-MAY-2010 01:30:41	Twilight	58.000	93	53Bet Peg	2.5200	3100.0	116	42899	No
19	GOM_TRA_1PNPDE20100515_013344_000000422089_00260_42899_1447.N1	15-MAY-2010 01:33:44	Twilight	41.500	140	88Gam Peg	2.8340	26000.	83	42899	No
20	GOM_TRA_1PNPDE20100515_013519_000000542089_00260_42899_1448.N1	15-MAY-2010 01:35:19	Dark	54.000	90	54Alp Peg	2.4870	11000.	108	42899	No
21	GOM_TRA_1PNPDE20100515_014852_000000572089_00260_42899_1451.N1	15-MAY-2010 01:48:52	Dark	57.000	18	24Alp PsA	1.1660	9700.0	114	42899	No
22	GOM_TRA_1PNPDE20100515_015442_000000422089_00260_42899_1452.N1	15-MAY-2010 01:54:42	Dark	41.500	31	Alp Gru	1.7340	15200.	83	42899	No
23	GOM_TRA_1PNPDE20100515_020016_000000442089_00261_42900_1453.N1	15-MAY-2010 02:00:16	Dark	44.000	45	Alp Pav	1.9400	26000.	88	42900	No
24	GOM_TRA_1PNPDE20100515_020731_000000482089_00261_42900_1454.N1	15-MAY-2010 02:07:31	Straylight	48.000	141	Bet Ara	2.8400	4600.0	96	42900	No
25	GOM_TRA_1PNPDE20100515_021002_000000502089_00261_42900_1455.N1	15-MAY-2010 02:10:02	Straylight	50.000	40	The Sco	1.8590	7100.0	100	42900	No
26	GOM_TRA_1PNPDE20100515_021154_000000552089_00261_42900_1456.N1	15-MAY-2010 02:11:54	Straylight	54.500	25	35Lam Sco	1.6200	28000.	109	42900	No
27	GOM_TRA_1PNPDE20100515_021418_000000522089_00261_42900_1457.N1	15-MAY-2010 02:14:18	Twilight	52.000	75	26Eps Sco	2.2910	4250.0	104	42900	No
28	GOM_TRA_1PNPDE20100515_021726_000000582089_00261_42900_1458.N1	15-MAY-2010 02:17:26	Twilight	57.500	16	21Alp Sco	1.0200	3000.0	115	42900	No
29	GOM_TRA_1PNPDE20100515_022005_000000492089_00261_42900_1459.N1	15-MAY-2010 02:20:05	Bright	49.000	97	8Bet1Sco	2.5610	30000.	98	42900	No
30	GOM_TRA_1PNPDE20100515_022348_000000412089_00261_42900_1460.N1	15-MAY-2010 02:23:48	Bright	40.500	104	27Bet Lib	2.6140	13100.	81	42900	No
31	GOM_TRA_1PNPDE20100515_022601_000000512089_00261_42900_1461.N1	15-MAY-2010 02:26:01	Bright	51.000	120	1Del Oph	2.7340	3200.0	102	42900	No
32	GOM_TRA_1PNPDE20100515_022913_000000452089_00261_42900_1462.N1	15-MAY-2010 02:29:13	Bright	45.000	102	24Alp Ser	2.6000	4250.0	90	42900	No
33	GOM_TRA_1PNPDE20100515_023446_000000432089_00261_42900_1463.N1	15-MAY-2010 02:34:46	Bright	42.500	83		2.3780	11000.	85	42900	No
34	GOM_TRA_1PNPDE20100515_023754_000000382089_00261_42900_1464.N1	15-MAY-2010 02:37:54	Bright	37.500	180	27Gam Boo	3.0400	8000.0	75	42900	No
35	GOM_TRA_1PNPDE20100515_024640_000000422089_00261_42900_1465.N1	15-MAY-2010 02:46:40	Bright	42.000	119	14Eta Dra	2.7270	4700.0	84	42900	No
36	GOM_TRA_1PNPDE20100515_025736_000000452089_00261_42900_1472.N1	15-MAY-2010 02:57:36	Bright	45.000	89	5Alp Cep	2.4510	8000.0	90	42900	No
37	GOM_TRA_1PNPDE20100515_030103_000000522089_00261_42900_1473.N1	15-MAY-2010 03:01:03	Bright	51.500	74	11Bet Cas	2.2680	6600.0	103	42900	No
38	GOM_TRA_1PNPDE20100515_031117_000000652089_00261_42900_1474.N1	15-MAY-2010 03:11:17	Twilight	64.500	93	53Bet Peg	2.5200	3100.0	129	42900	No
39	GOM_TRA_1PNPDE20100515_031421_000000432089_00261_42900_1475.N1	15-MAY-2010 03:14:21	Twilight	42.500	140	88Gam Peg	2.8340	26000.	85	42900	No
40	GOM_TRA_1PNPDE20100515_031555_000000542089_00261_42900_1476.N1	15-MAY-2010 03:15:55	Dark	54.000	90	54Alp Peg	2.4870	11000.	108	42900	No
41	GOM_TRA_1PNPDE20100515_032928_000000502089_00261_42900_1477.N1	15-MAY-2010 03:29:28	Dark	49.500	18	24Alp PsA	1.1660	9700.0	99	42900	No
42	GOM_TRA_1PNPDE20100515_034053_000000432089_00262_42901_1478.N1	15-MAY-2010 03:40:53	Dark	43.000	45	Alp Pav	1.9400	26000.	86	42901	No
43	GOM_TRA_1PNPDE20100515_034808_000000452089_00262_42901_1479.N1	15-MAY-2010 03:48:08	Straylight	45.000	141	Bet Ara	2.8400	4600.0	90	42901	No
44	GOM_TRA_1PNPDE20100515_035039_000000502089_00262_42901_1480.N1	15-MAY-2010 03:50:39	Straylight	50.000	40	The Sco	1.8590	7100.0	100	42901	No
45	GOM_TRA_1PNPDE20100515_035231_000000542089_00262_42901_1481.N1	15-MAY-2010 03:52:31	Straylight	53.500	25	35Lam Sco	1.6200	28000.	107	42901	No
46	GOM_TRA_1PNPDE20100515_035454_000000552089_00262_42901_1482.N1	15-MAY-2010 03:54:54	Twilight	55.000	75	26Eps Sco	2.2910	4250.0	110	42901	No
47	GOM_TRA_1PNPDE20100515_035803_000000582089_00262_42901_1483.N1	15-MAY-2010 03:58:03	Twilight	57.500	16	21Alp Sco	1.0200	3000.0	115	42901	No
48	GOM_TRA_1PNPDE20100515_040041_000000492089_00262_42901_1484.N1	15-MAY-2010 04:00:41	Bright	48.500	97	8Bet1Sco	2.5610	30000.	97	42901	No

49	GOM_TRA_1PNPDE20100515_040424_000000412089_00262_42901_1485.N1	15-MAY-2010 04:04:24	Bright	40.500	104	27Bet Lib	2.6140	13100.	81	42901	No
50	GOM_TRA_1PNPDE20100515_040637_000000512089_00262_42901_1486.N1	15-MAY-2010 04:06:37	Bright	51.000	120	1Del Oph	2.7340	3200.0	102	42901	No
51	GOM_TRA_1PNPDE20100515_040948_000000452089_00262_42901_1487.N1	15-MAY-2010 04:09:48	Bright	45.000	102	24Alp Ser	2.6000	4250.0	90	42901	No
52	GOM_TRA_1PNPDE20100515_041522_000000372089_00262_42901_1488.N1	15-MAY-2010 04:15:22	Bright	37.000	83		2.3780	11000.	74	42901	No
53	GOM_TRA_1PNPDE20100515_041830_000000382089_00262_42901_1489.N1	15-MAY-2010 04:18:30	Bright	38.000	180	27Gam Boo	3.0400	8000.0	76	42901	No
54	GOM_TRA_1PNPDE20100515_042716_000000432089_00262_42901_1490.N1	15-MAY-2010 04:27:16	Bright	43.000	119	14Eta Dra	2.7270	4700.0	86	42901	No
55	GOM_TRA_1PNPDE20100515_043812_000000462089_00262_42901_1509.N1	15-MAY-2010 04:38:12	Bright	46.000	89	5Alp Cep	2.4510	8000.0	92	42901	No
56	GOM_TRA_1PNPDE20100515_044140_000000552089_00262_42901_1510.N1	15-MAY-2010 04:41:40	Bright	55.000	74	11Bet Cas	2.2680	6600.0	110	42901	No
57	GOM_TRA_1PNPDE20100515_045153_000000622089_00262_42901_1511.N1	15-MAY-2010 04:51:53	Twilight	61.500	93	53Bet Peg	2.5200	3100.0	123	42901	No
58	GOM_TRA_1PNPDE20100515_045456_000000432089_00262_42901_1512.N1	15-MAY-2010 04:54:56	Twilight	43.000	140	88Gam Peg	2.8340	26000.	86	42901	No
59	GOM_TRA_1PNPDE20100515_045631_000000532089_00262_42901_1513.N1	15-MAY-2010 04:56:31	Dark	52.500	90	54Alp Peg	2.4870	11000.	105	42901	No
60	GOM_TRA_1PNPDE20100515_051005_000000472089_00262_42901_1514.N1	15-MAY-2010 05:10:05	Dark	47.000	18	24Alp PsA	1.1660	9700.0	94	42901	No
61	GOM_TRA_1PNPDE20100515_052130_000000422089_00263_42902_1515.N1	15-MAY-2010 05:21:30	Dark	42.000	45	Alp Pav	1.9400	26000.	84	42902	No
62	GOM_TRA_1PNPDE20100515_052844_000000452089_00263_42902_1516.N1	15-MAY-2010 05:28:44	Straylight	45.000	141	Bet Ara	2.8400	4600.0	90	42902	No
63	GOM_TRA_1PNPDE20100515_053116_000000502089_00263_42902_1517.N1	15-MAY-2010 05:31:16	Straylight	49.500	40	The Sco	1.8590	7100.0	99	42902	No
64	GOM_TRA_1PNPDE20100515_053308_000000542089_00263_42902_1518.N1	15-MAY-2010 05:33:08	Straylight	54.000	25	35Lam Sco	1.6200	28000.	108	42902	No
65	GOM_TRA_1PNPDE20100515_053531_000000512089_00263_42902_1519.N1	15-MAY-2010 05:35:31	Twilight	51.000	75	26Eps Sco	2.2910	4250.0	102	42902	No
66	GOM_TRA_1PNPDE20100515_053839_000000592089_00263_42902_1520.N1	15-MAY-2010 05:38:39	Twilight	58.500	16	21Alp Sco	1.0200	3000.0	117	42902	No
67	GOM_TRA_1PNPDE20100515_054118_000000502089_00263_42902_1521.N1	15-MAY-2010 05:41:18	Bright	50.000	97	8Bet1Sco	2.5610	30000.	100	42902	No
68	GOM_TRA_1PNPDE20100515_054500_000000402089_00263_42902_1522.N1	15-MAY-2010 05:45:00	Bright	40.000	104	27Bet Lib	2.6140	13100.	80	42902	No
69	GOM_TRA_1PNPDE20100515_054713_000000512089_00263_42902_1523.N1	15-MAY-2010 05:47:13	Bright	50.500	120	1Del Oph	2.7340	3200.0	101	42902	No
70	GOM_TRA_1PNPDE20100515_055024_000000462089_00263_42902_1524.N1	15-MAY-2010 05:50:24	Bright	46.000	102	24Alp Ser	2.6000	4250.0	92	42902	No
71	GOM_TRA_1PNPDE20100515_055558_000000432089_00263_42902_1525.N1	15-MAY-2010 05:55:58	Bright	42.500	83		2.3780	11000.	85	42902	No
72	GOM_TRA_1PNPDE20100515_055906_000000382089_00263_42902_1526.N1	15-MAY-2010 05:59:06	Bright	38.000	180	27Gam Boo	3.0400	8000.0	76	42902	No
73	GOM_TRA_1PNPDE20100515_060751_000000422089_00263_42902_1527.N1	15-MAY-2010 06:07:51	Bright	42.000	119	14Eta Dra	2.7270	4700.0	84	42902	No
74	GOM_TRA_1PNPDE20100515_203706_000000292089_00272_42911_1632.N1	15-MAY-2010 20:37:06	Straylight	29.000	38	20Eps Sgr	1.8360	11000.	58	42911	Yes
75	GOM_TRA_1PNPDE20100515_203837_000000542089_00272_42911_1633.N1	15-MAY-2010 20:38:37	Straylight	53.500	25	35Lam Sco	1.6200	28000.	107	42911	No
76	GOM_TRA_1PNPDE20100515_204059_000000522089_00272_42911_1634.N1	15-MAY-2010 20:40:59	Twilight	52.000	75	26Eps Sco	2.2910	4250.0	104	42911	No
77	GOM_TRA_1PNPDE20100515_204405_000000572089_00272_42911_1635.N1	15-MAY-2010 20:44:05	Twilight	56.500	16	21Alp Sco	1.0200	3000.0	113	42911	No
78	GOM_TRA_1PNPDE20100515_204643_000000462089_00272_42911_1636.N1	15-MAY-2010 20:46:43	Bright	45.500	97	8Bet1Sco	2.5610	30000.	91	42911	No
79	GOM_TRA_1PNPDE20100515_205023_000000412089_00272_42911_1637.N1	15-MAY-2010 20:50:23	Bright	41.000	104	27Bet Lib	2.6140	13100.	82	42911	No
80	GOM_TRA_1PNPDE20100515_205234_000000512089_00272_42911_1638.N1	15-MAY-2010 20:52:34	Bright	50.500	120	1Del Oph	2.7340	3200.0	101	42911	No
81	GOM_TRA_1PNPDE20100515_205545_000000442089_00272_42911_1639.N1	15-MAY-2010 20:55:45	Bright	44.000	102	24Alp Ser	2.6000	4250.0	88	42911	No
82	GOM_TRA_1PNPDE20100515_210120_000000402089_00272_42911_1640.N1	15-MAY-2010 21:01:20	Bright	40.000	83		2.3780	11000.	80	42911	No
83	GOM_TRA_1PNPDE20100515_210428_000000382089_00272_42911_1641.N1	15-MAY-2010 21:04:28	Bright	37.500	180	27Gam Boo	3.0400	8000.0	75	42911	No
84	GOM_TRA_1PNPDE20100515_211311_000000422089_00272_42911_1642.N1	15-MAY-2010 21:13:11	Bright	42.000	119	14Eta Dra	2.7270	4700.0	84	42911	No
85	GOM_TRA_1PNPDE20100515_212407_000000442089_00272_42911_1643.N1	15-MAY-2010 21:24:07	Bright	44.000	89	5Alp Cep	2.4510	8000.0	88	42911	No
86	GOM_TRA_1PNPDE20100515_212738_000000382089_00272_42911_1644.N1	15-MAY-2010 21:27:38	Bright	37.500	74	11Bet Cas	2.2680	6600.0	75	42911	No
87	GOM_TRA_1PNPDE20100515_213650_000000442089_00272_42911_1645.N1	15-MAY-2010 21:36:50	Bright	44.000	58	21Alp And	2.0730	11000.	88	42911	No
88	GOM_TRA_1PNPDE20100515_214059_000000452089_00272_42911_1646.N1	15-MAY-2010 21:40:59	Twilight	44.500	140	88Gam Peg	2.8340	26000.	89	42911	No
89	GOM_TRA_1PNPDE20100515_214236_000000542089_00272_42911_1647.N1	15-MAY-2010 21:42:36	Dark	54.000	90	54Alp Peg	2.4870	11000.	108	42911	No
90	GOM_TRA_1PNPDE20100515_215613_000000502089_00272_42911_1650.N1	15-MAY-2010 21:56:13	Dark	49.500	18	24Alp PsA	1.1660	9700.0	99	42911	No
91	GOM_TRA_1PNPDE20100515_220203_000000432089_00272_42911_1651.N1	15-MAY-2010 22:02:03	Dark	43.000	31	Alp Gru	1.7340	15200.	86	42911	No
92	GOM_TRA_1PNPDE20100515_220737_000000422089_00273_42912_1652.N1	15-MAY-2010 22:07:37	Dark	42.000	45	Alp Pav	1.9400	26000.	84	42912	No
93	GOM_TRA_1PNPDE20100515_221449_000000512089_00273_42912_1653.N1	15-MAY-2010 22:14:49	Straylight	51.000	141	Bet Ara	2.8400	4600.0	102	42912	No
94	GOM_TRA_1PNPDE20100515_221743_000000302089_00273_42912_1654.N1	15-MAY-2010 22:17:43	Straylight	30.000	38	20Eps Sgr	1.8360	11000.	60	42912	No
95	GOM_TRA_1PNPDE20100515_221914_000000582089_00273_42912_1655.N1	15-MAY-2010 22:19:14	Straylight	58.000	25	35Lam Sco	1.6200	28000.	116	42912	No
96	GOM_TRA_1PNPDE20100515_222135_000000532089_00273_42912_1656.N1	15-MAY-2010 22:21:35	Twilight	53.000	75	26Eps Sco	2.2910	4250.0	106	42912	No
97	GOM_TRA_1PNPDE20100515_222441_000000602089_00273_42912_1657.N1	15-MAY-2010 22:24:41	Twilight	60.000	16	21Alp Sco	1.0200	3000.0	120	42912	No
98	GOM_TRA_1PNPDE20100515_222719_000000462089_00273_42912_1658.N1	15-MAY-2010 22:27:19	Bright	45.500	97	8Bet1Sco	2.5610	30000.	91	42912	No
99	GOM_TRA_1PNPDE20100515_223059_000000402089_00273_42912_1659.N1	15-MAY-2010 22:30:59	Bright	39.500	104	27Bet Lib	2.6140	13100.	79	42912	No
100	GOM_TRA_1PNPDE20100515_223310_000000512089_00273_42912_1660.N1	15-MAY-2010 22:33:10	Bright	50.500	120	1Del Oph	2.7340	3200.0	101	42912	No
101	GOM_TRA_1PNPDE20100515_223620_000000452089_00273_42912_1661.N1	15-MAY-2010 22:36:20	Bright	44.500	102	24Alp Ser	2.6000	4250.0	89	42912	No
102	GOM_TRA_1PNPDE20100515_224155_000000402089_00273_42912_1662.N1	15-MAY-2010 22:41:55	Bright	40.000	83		2.3780	11000.	80	42912	No
103	GOM_TRA_1PNPDE20100515_224504_000000392089_00273_42912_1663.N1	15-MAY-2010 22:45:04	Bright	38.500	180	27Gam Boo	3.0400	8000.0	77	42912	No
104	GOM_TRA_1PNPDE20100515_225346_000000612089_00273_42912_1664.N1	15-MAY-2010 22:53:46	Bright	61.000	119	14Eta Dra	2.7270	4700.0	122	42912	No
105	GOM_TRA_1PNPDE20100515_230442_000000442089_00273_42912_1665.N1	15-MAY-2010 23:04:42	Bright	44.000	89	5Alp Cep	2.4510	8000.0	88	42912	No
106	GOM_TRA_1PNPDE20100515_230814_000000552089_00273_42912_1666.N1	15-MAY-2010 23:08:14	Bright	55.000	74	11Bet Cas	2.2680	6600.0	110	42912	No
107	GOM_TRA_1PNPDE20100515_231726_000000452089_00273_42912_1667.N1	15-MAY-2010 23:17:26	Bright	45.000	58	21Alp And	2.0730	11000.	90	42912	No

108	GOM_TRA_1PNPDE20100515_232135_000000442089_00273_42912_1668.N1	15-MAY-2010 23:21:35	Twilight	44.000	140	88Gam Peg	2.8340	26000.	88	42912	No
109	GOM_TRA_1PNPDE20100515_232312_000000532089_00273_42912_1669.N1	15-MAY-2010 23:23:12	Dark	52.500	90	54Alp Peg	2.4870	11000.	105	42912	No
110	GOM_TRA_1PNPDE20100515_233649_000000492089_00273_42912_1661.N1	15-MAY-2010 23:36:49	Dark	49.000	18	24Alp PsA	1.1660	9700.0	98	42912	No
111	GOM_TRA_1PNPDE20100515_234239_000000482089_00273_42912_1662.N1	15-MAY-2010 23:42:39	Dark	47.500	31	Alp Gru	1.7340	15200.	95	42912	No
112	GOM_TRA_1PNPDE20100515_234813_000000512089_00274_42913_1663.N1	15-MAY-2010 23:48:13	Dark	51.000	45	Alp Pav	1.9400	26000.	102	42913	No
113	GOM_TRA_1PNPDE20100515_235525_000000442089_00274_42913_1664.N1	15-MAY-2010 23:55:25	Straylight	43.500	141	Bet Ara	2.8400	4600.0	87	42913	No
114	GOM_TRA_1PNPDE20100515_235820_000000302089_00274_42913_1665.N1	15-MAY-2010 23:58:20	Straylight	30.000	38	20Eps Sgr	1.8360	11000.	60	42913	No
115	GOM_TRA_1PNPDE20100515_235950_000000542089_00274_42913_1666.N1	15-MAY-2010 23:59:50	Straylight	54.000	25	35Lam Sco	1.6200	28000.	108	42913	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).

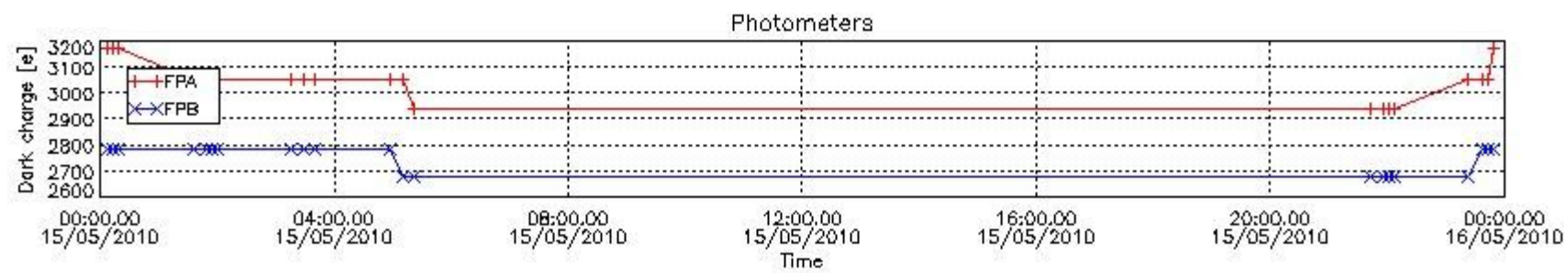
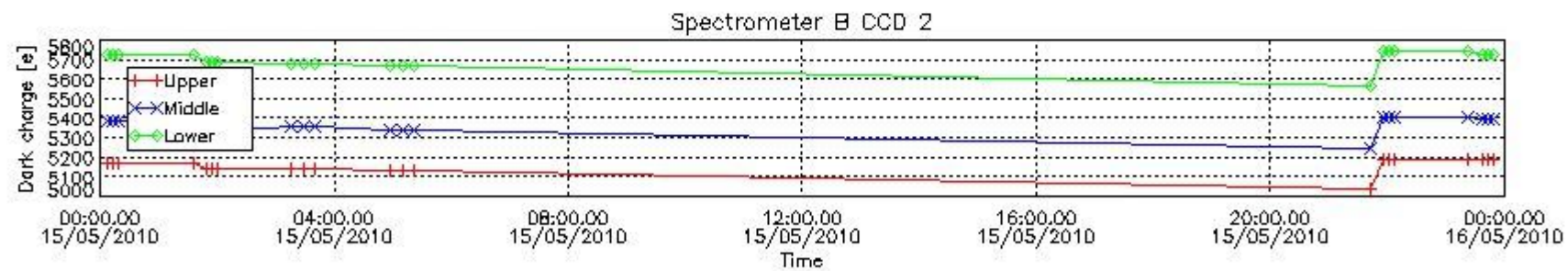
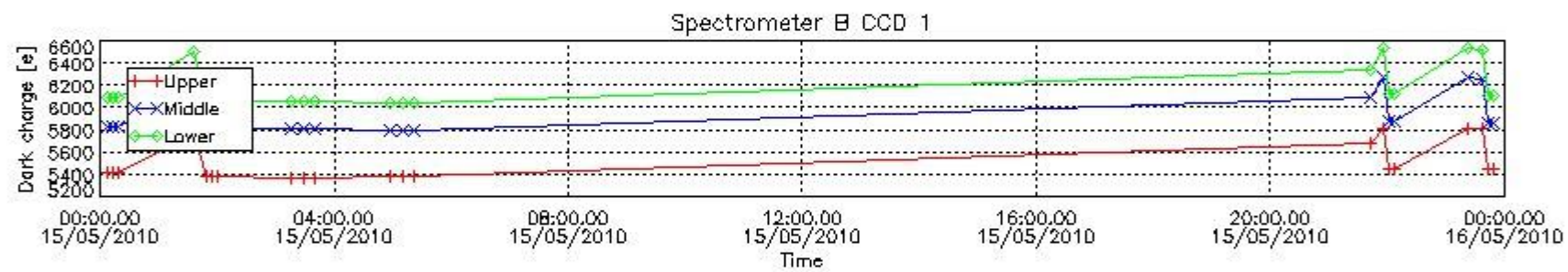
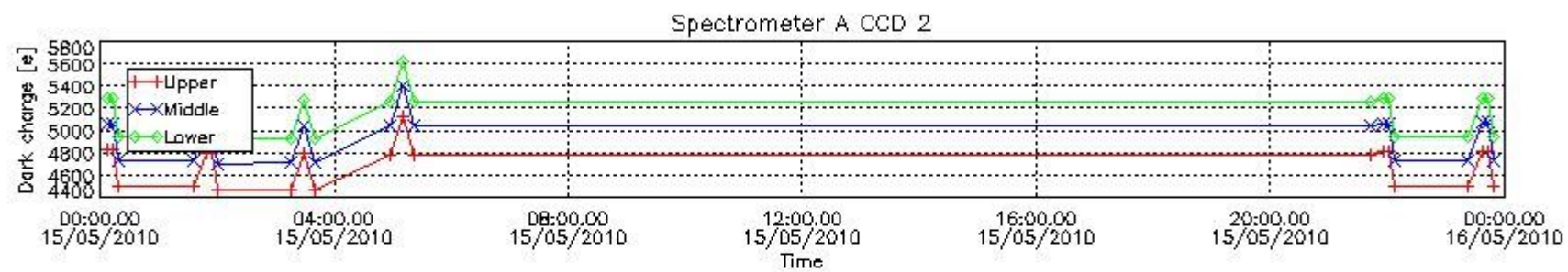
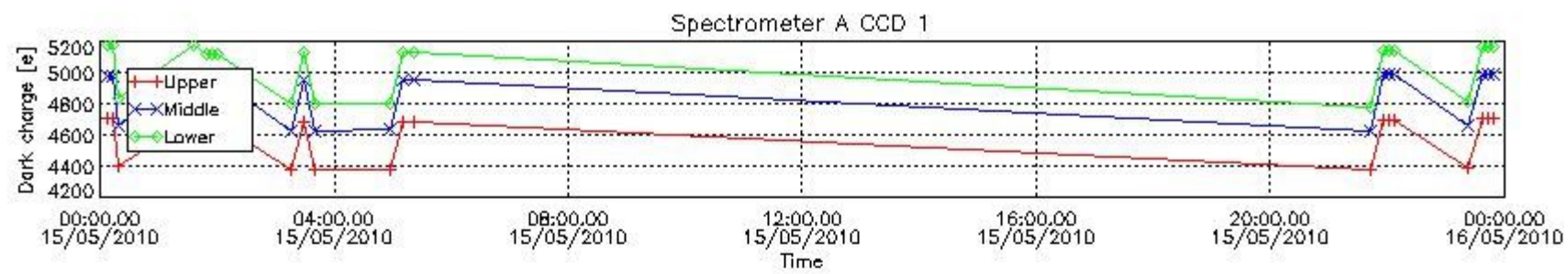
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDE20100515_203706_000000292089_00272_42911_1632.N1	DC map with no T dep.
GOM_TRA_1PNPDE20100515_203837_000000542089_00272_42911_1633.N1	DC map used

GOM_TRA_1PNPDE20100515_204059_000000522089_00272_42911_1634.N1	DC map used
GOM_TRA_1PNPDE20100515_204405_000000572089_00272_42911_1635.N1	DC map used
GOM_TRA_1PNPDE20100515_204643_000000462089_00272_42911_1636.N1	DC map used
GOM_TRA_1PNPDE20100515_205023_000000412089_00272_42911_1637.N1	DC map used
GOM_TRA_1PNPDE20100515_205234_000000512089_00272_42911_1638.N1	DC map used
GOM_TRA_1PNPDE20100515_205545_000000442089_00272_42911_1639.N1	DC map used
GOM_TRA_1PNPDE20100515_210120_000000402089_00272_42911_1640.N1	DC map used
GOM_TRA_1PNPDE20100515_210428_000000382089_00272_42911_1641.N1	DC map used
GOM_TRA_1PNPDE20100515_211311_000000422089_00272_42911_1642.N1	DC map used
GOM_TRA_1PNPDE20100515_212407_000000442089_00272_42911_1643.N1	DC map used
GOM_TRA_1PNPDE20100515_212738_000000382089_00272_42911_1644.N1	DC map used
GOM_TRA_1PNPDE20100515_213650_000000442089_00272_42911_1645.N1	DC map used
GOM_TRA_1PNPDE20100515_214059_000000452089_00272_42911_1646.N1	DC map used
GOM_TRA_1PNPDE20100515_214236_000000542089_00272_42911_1647.N1	DC map used

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



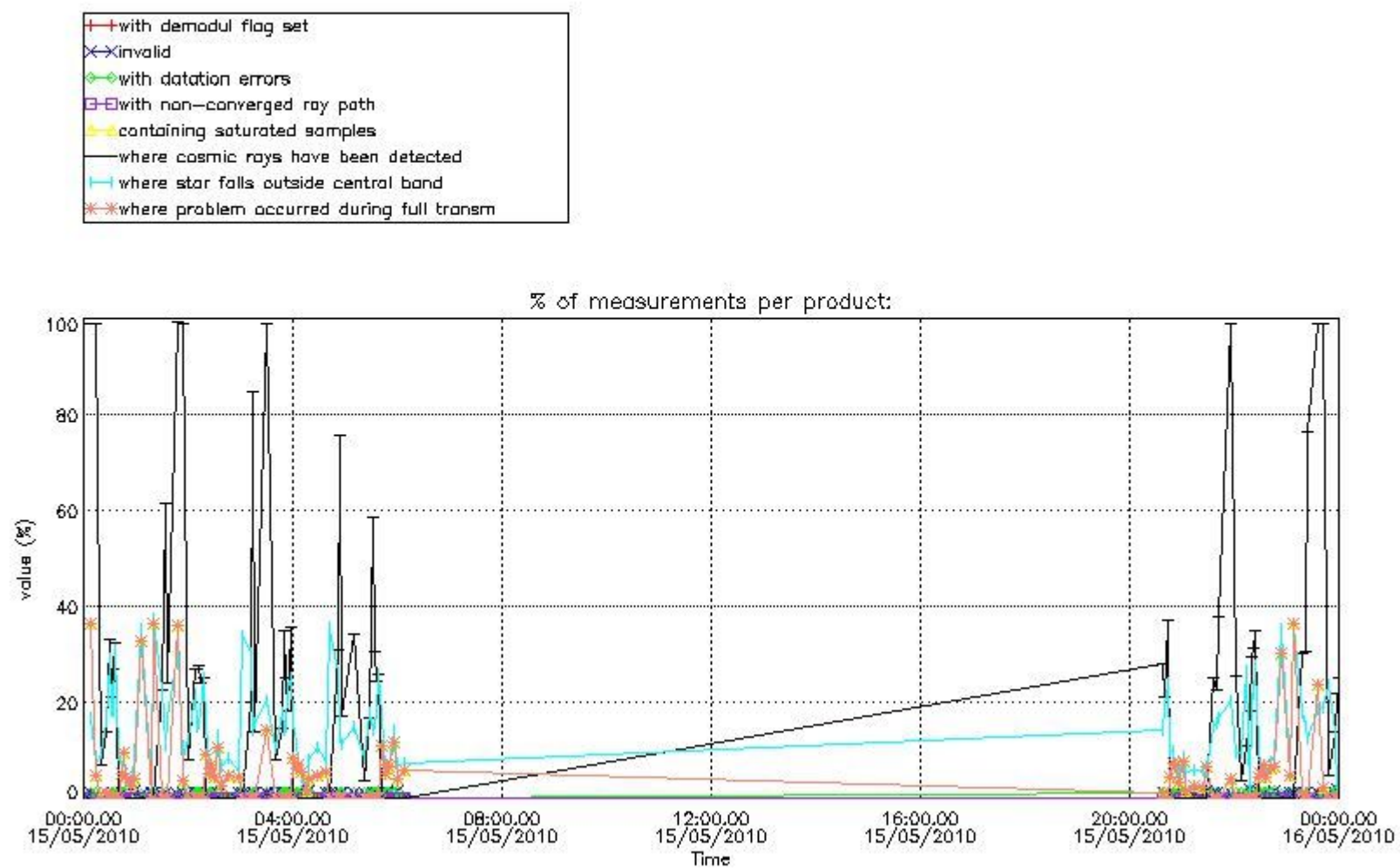
5. Demodulation flag and quality information monitoring

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.

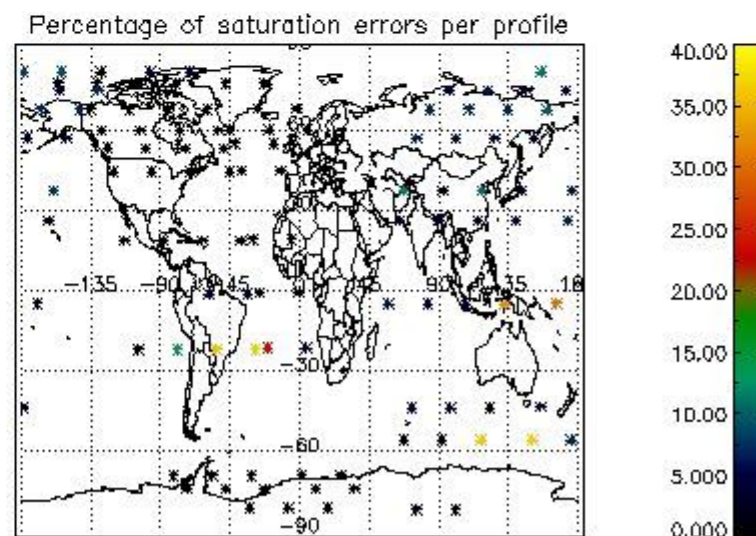
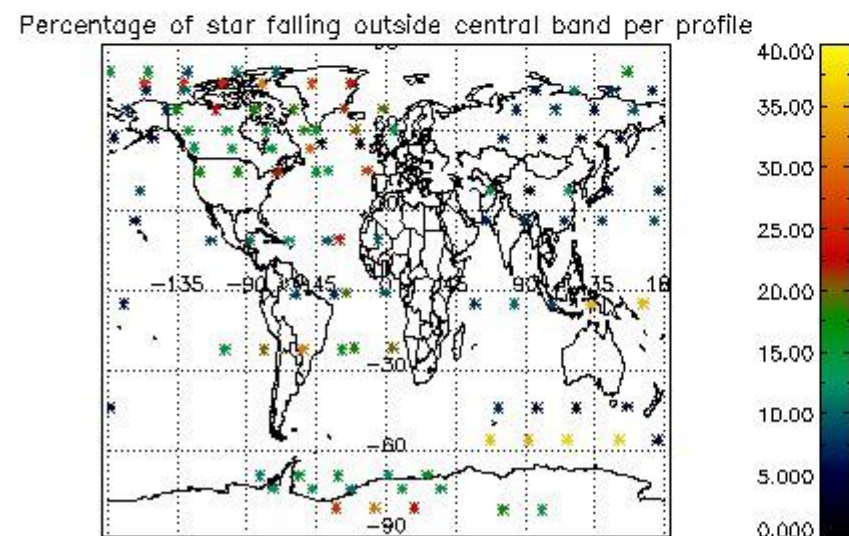
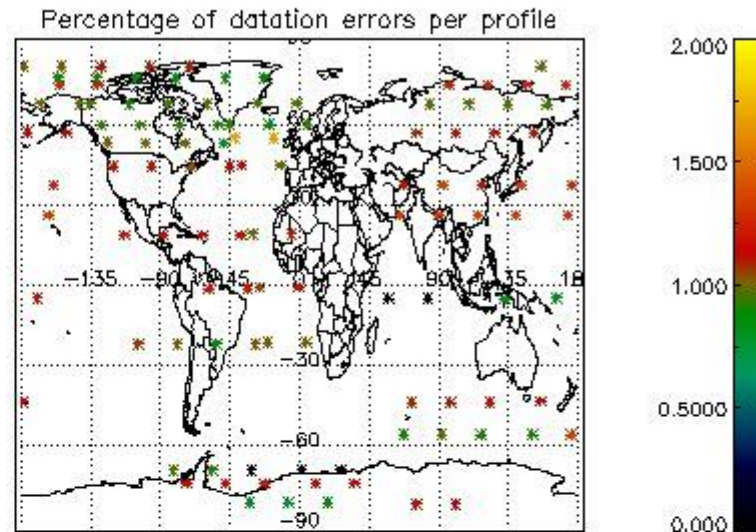
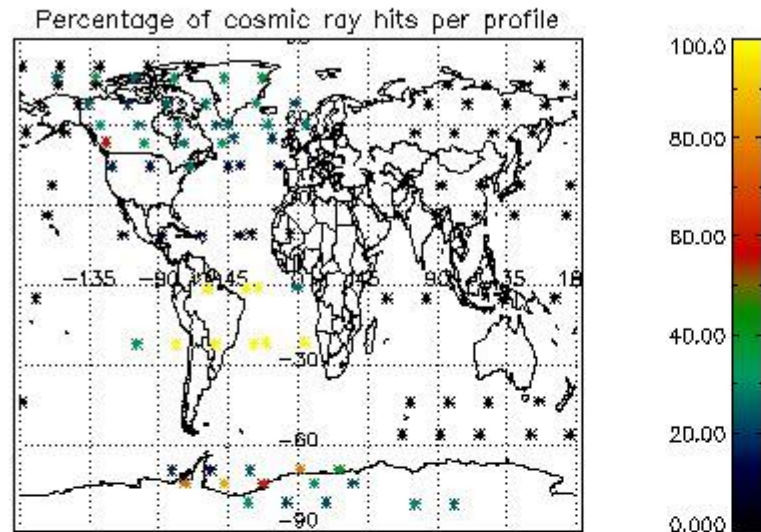
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	47.3684 %
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)



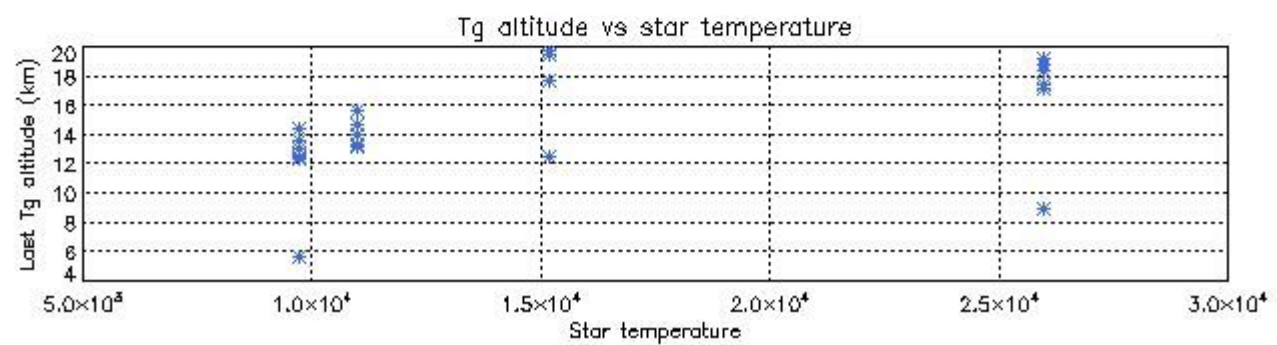
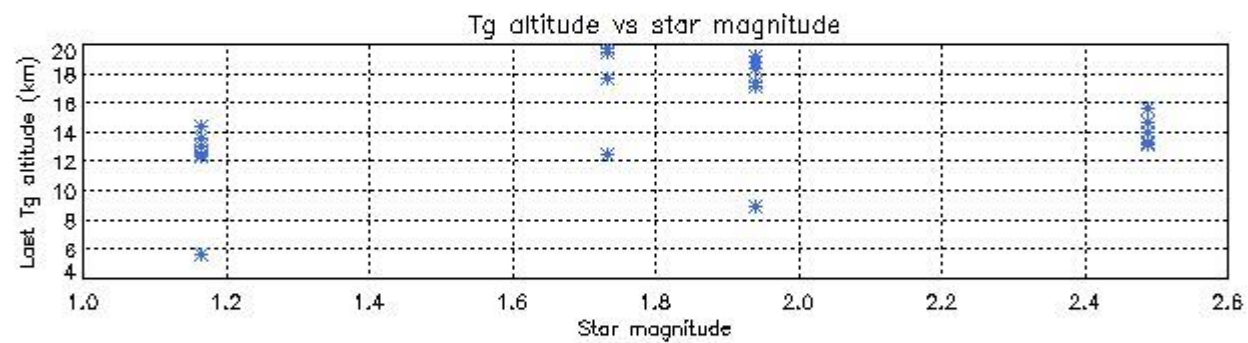
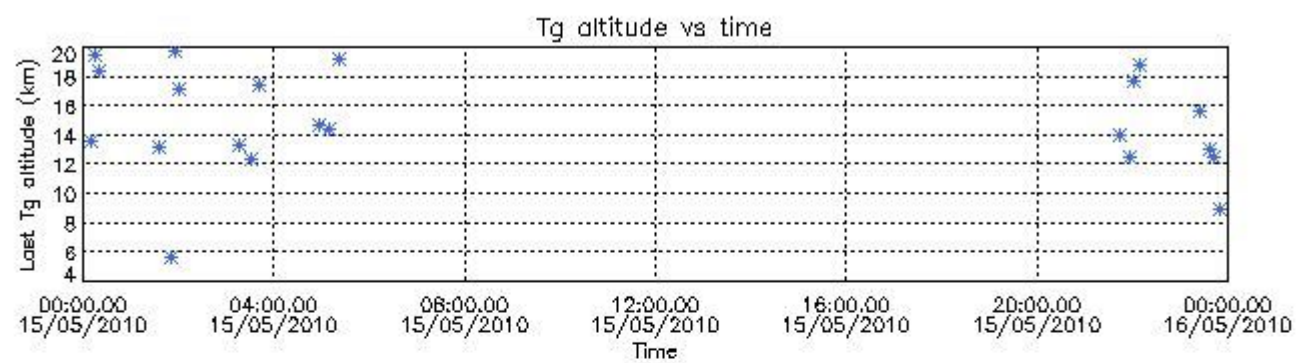
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	14.820	17.987	13.945
St. deviation:	3.6075	5.6396	1.0847
Maximum:	19.719	24.450	15.613
Minimum:	5.6356	2.9969	12.754
Number of data:	21.000	54.000	5.0000

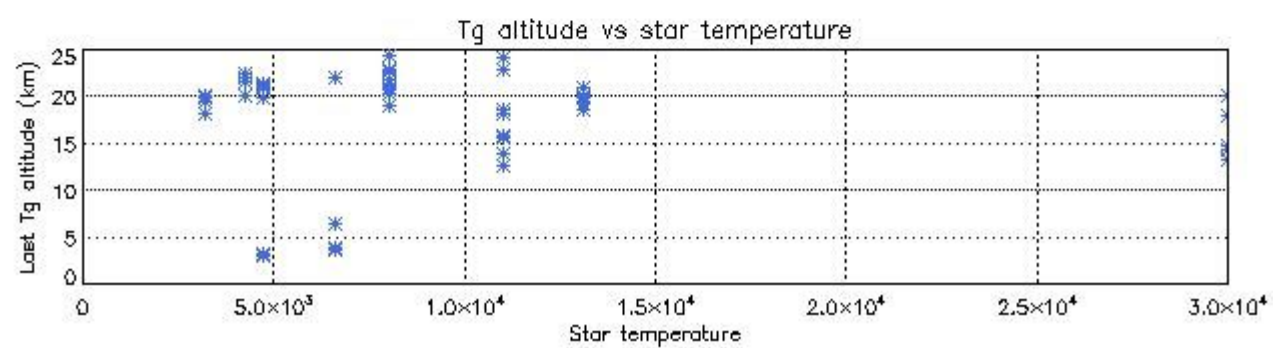
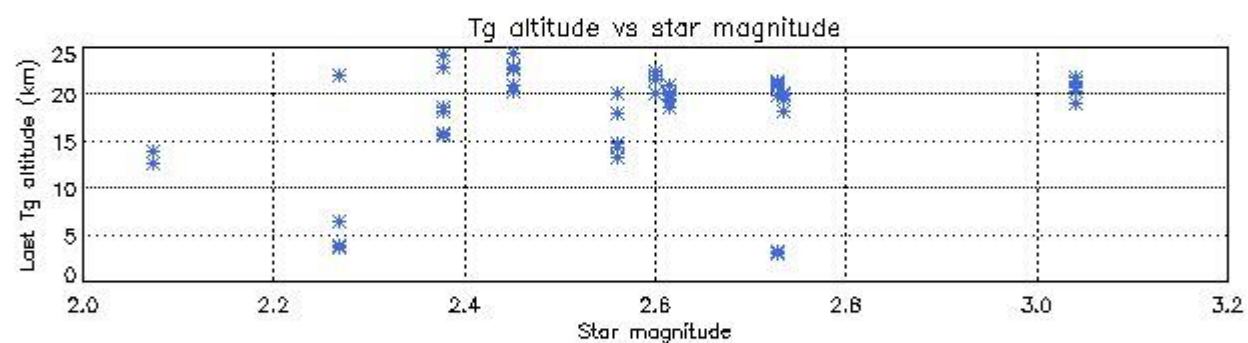
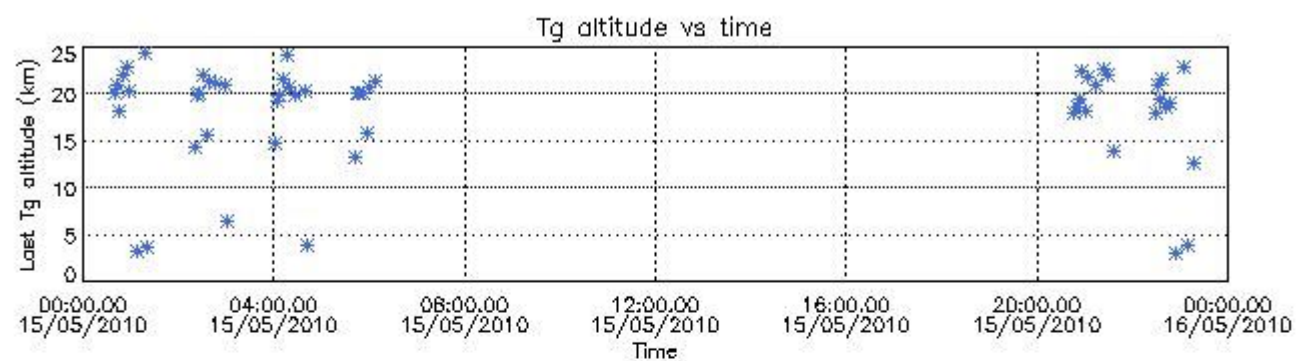
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



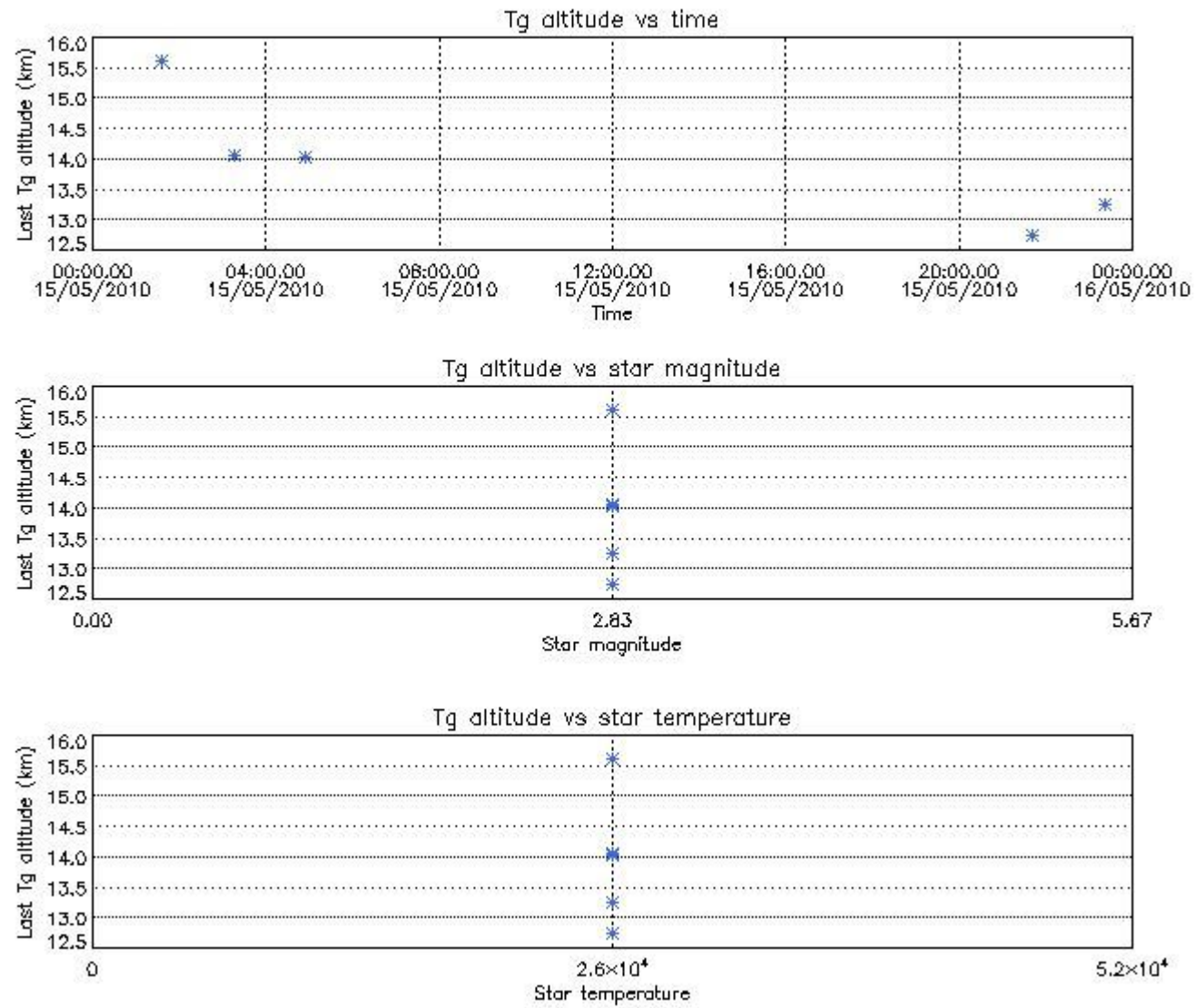
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

Tangent altitude at which the star is lost

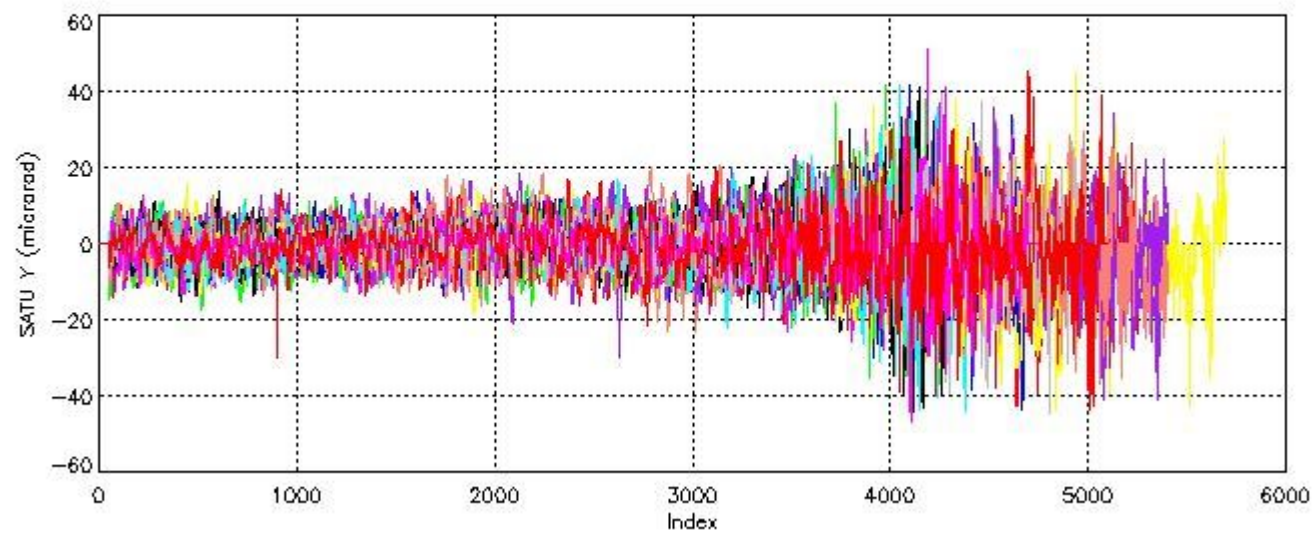
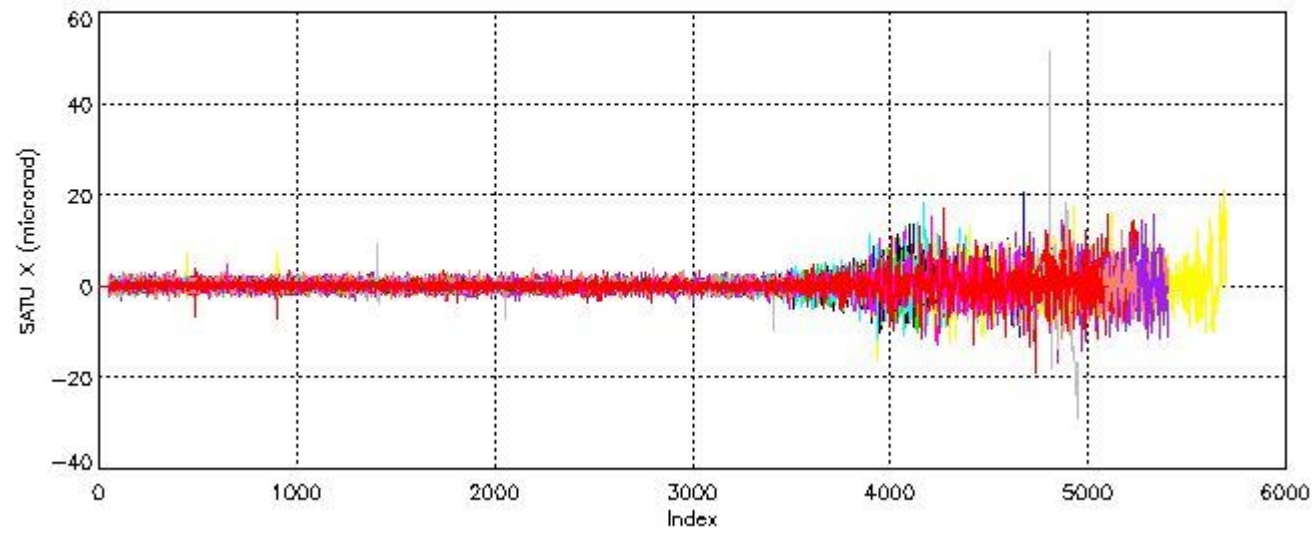


7. Star Acquisition and Tracking Unit (SATU)

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

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

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



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

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

7.2.1 SATU NEA Statistics (table)

Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	0.14756	-0.79362	0.24770	-0.82322
St. deviation:	0.59111	4.2133	0.89902	4.1075
Maximum:	7.4000	16.200	6.0000	17.400
Minimum:	-7.0000	-30.000	-4.7000	-20.800

Number of data:	21700.	21700.	54450.	54450.
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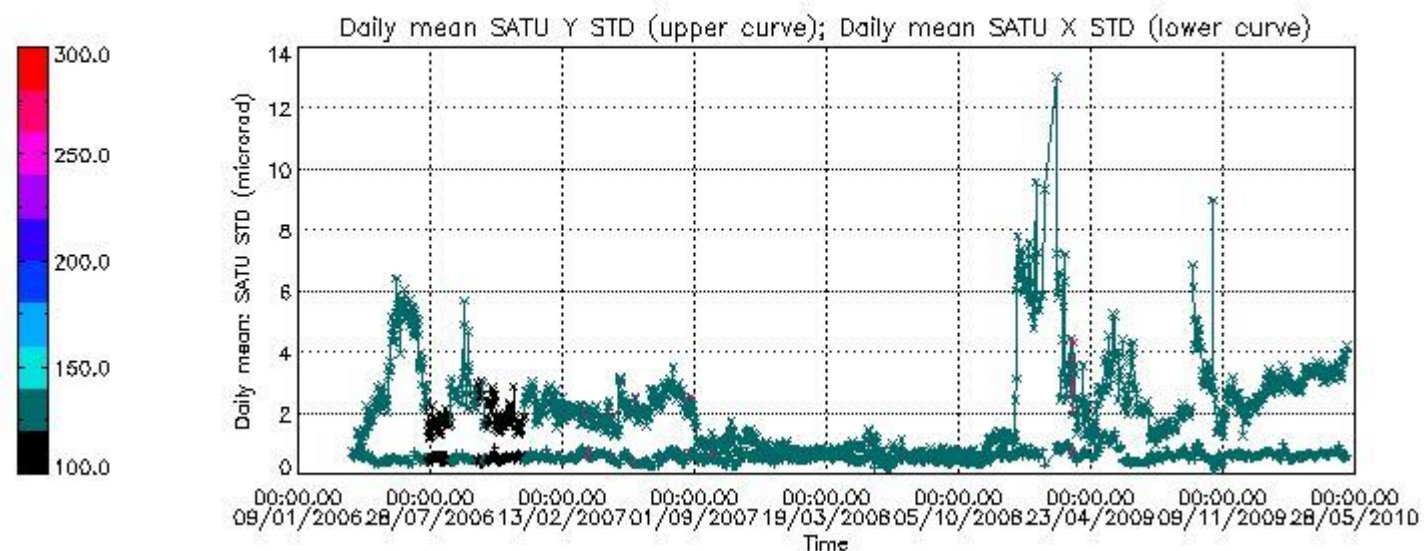
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

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

Upper curve: STD of SATU Y axis

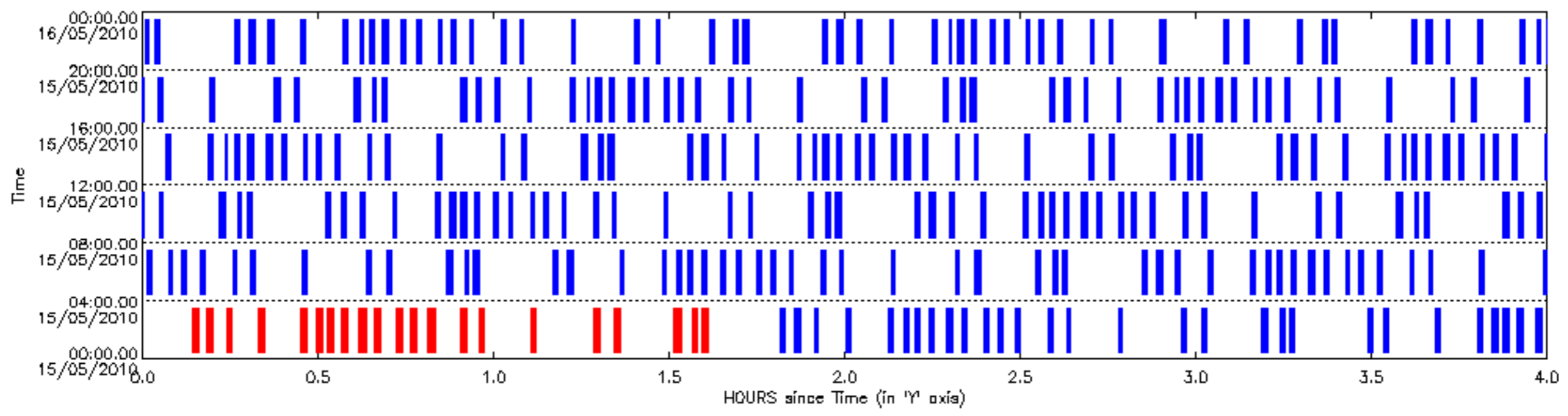
Lower curve: STD of SATU X axis

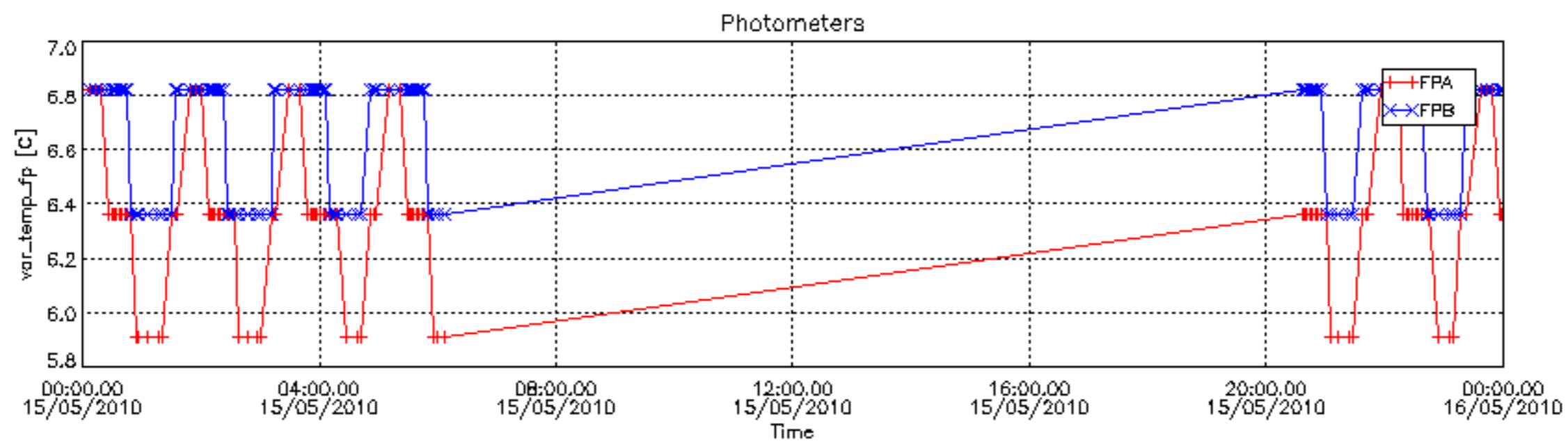
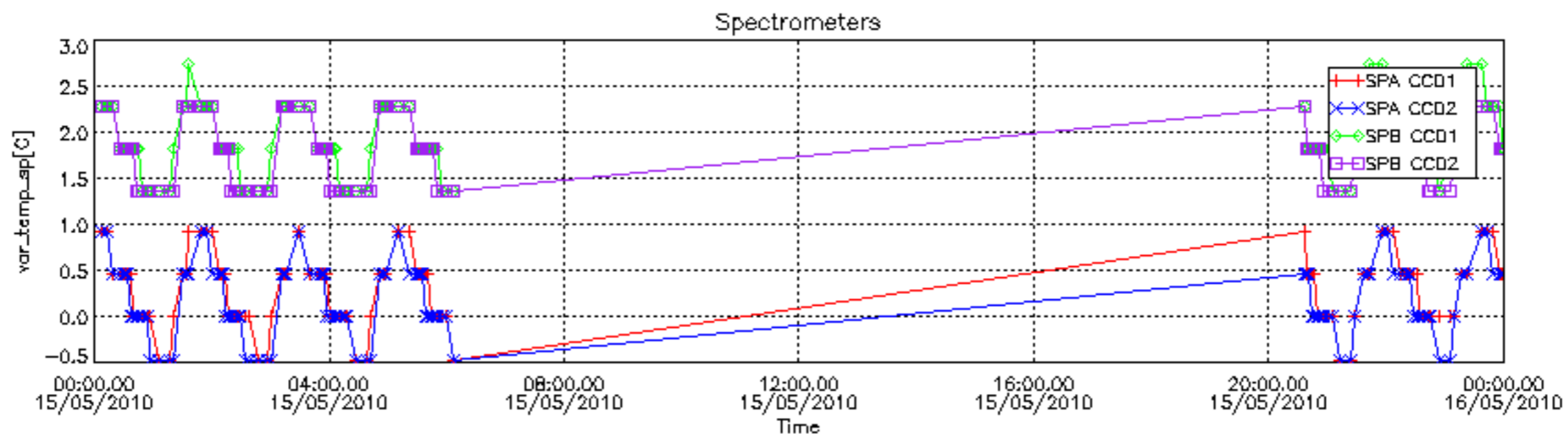


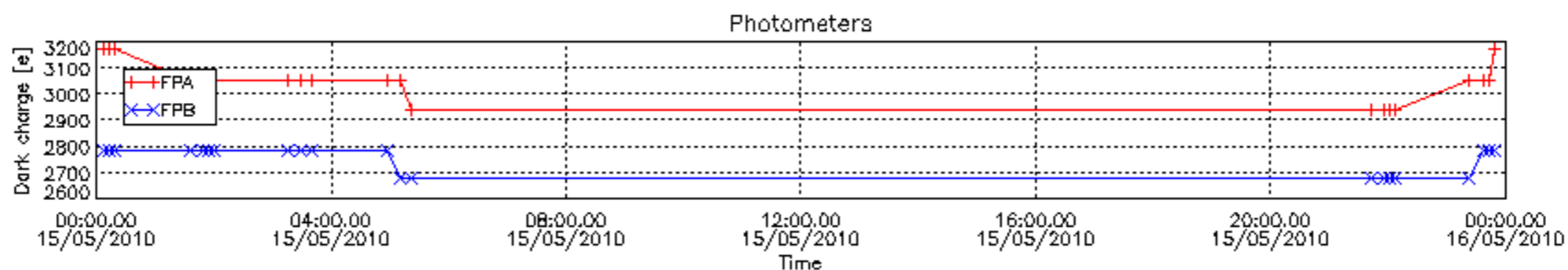
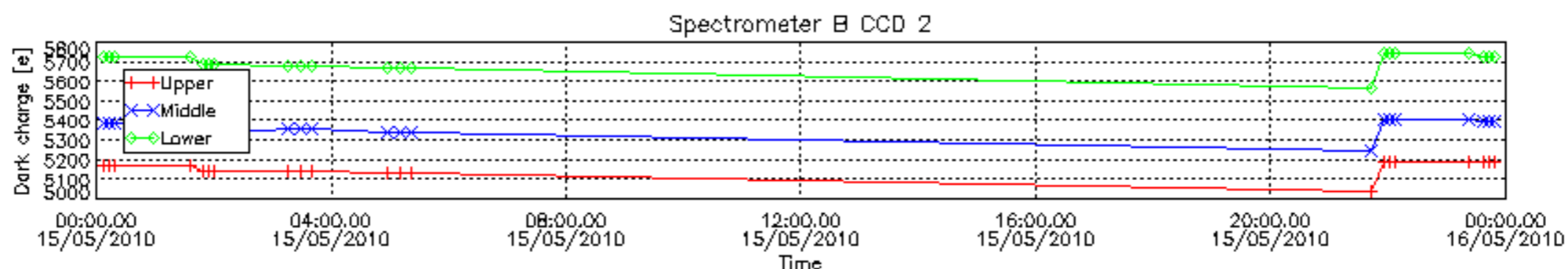
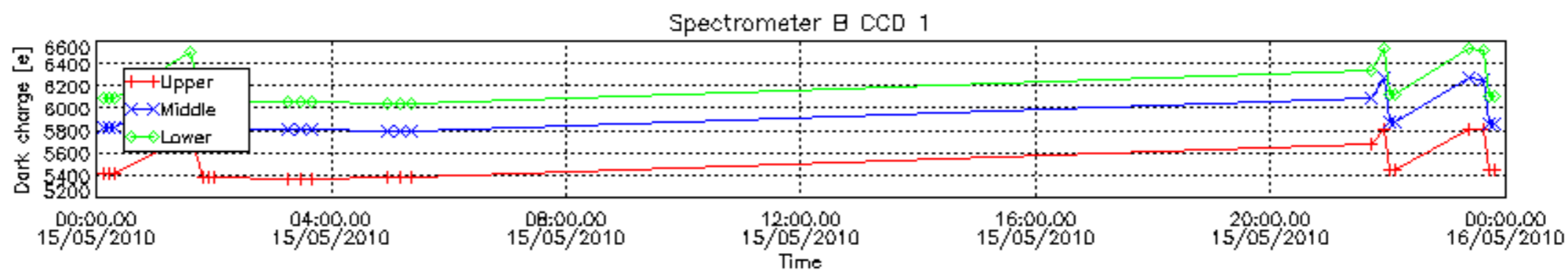
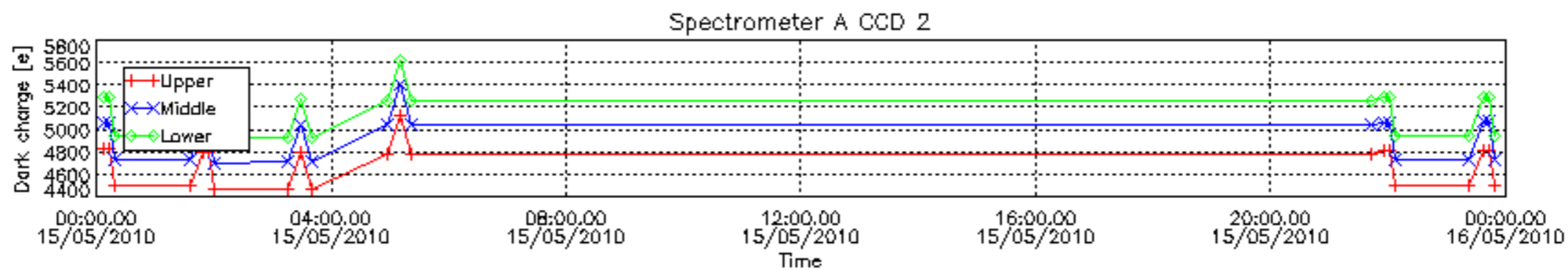
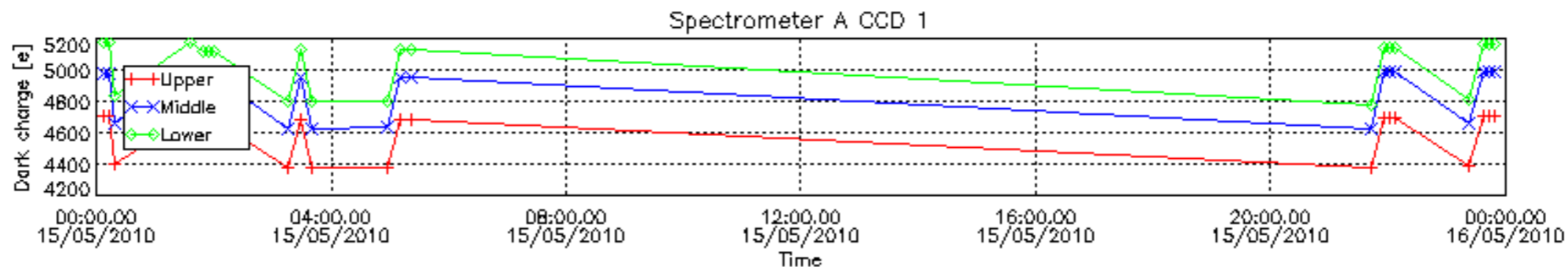
8. Auxiliary Data Files used for the production reported in section 2.4

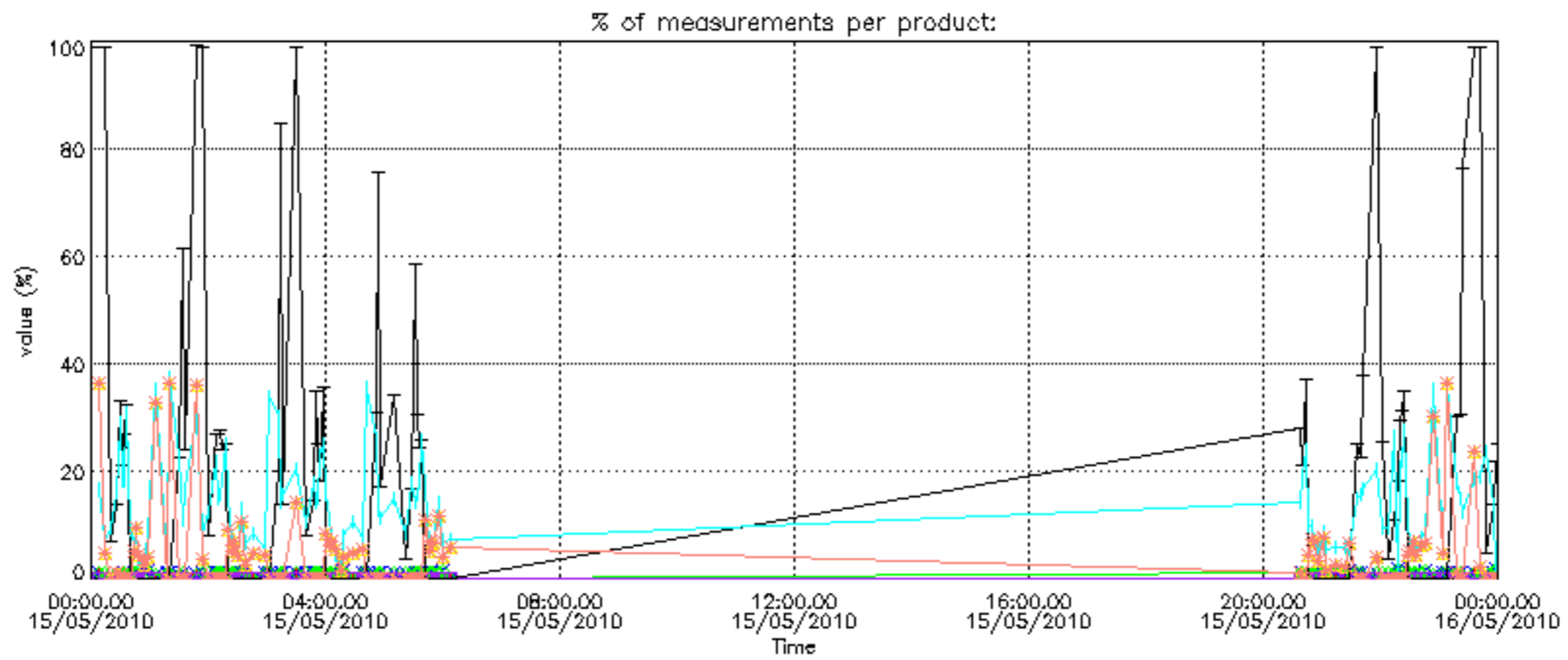
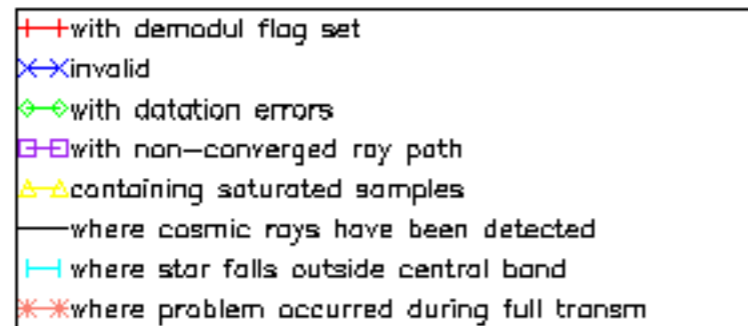
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	15-MAY-2010 00:08:15
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100511_095212_20100509_000000_20500101_000000	1	15-MAY-2010 00:08:15
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	15-MAY-2010 00:08:15
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	15-MAY-2010 00:08:15
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	15-MAY-2010 00:08:15
ECMWF_FILE	AUX_ECF_AXNECM20100514_054116_20100514_210000_20100515_090000	1	15-MAY-2010 00:08:15
ECMWF_FILE	AUX_ECF_AXNECM20100514_174551_20100515_030000_20100515_150000	55	15-MAY-2010 04:38:12
ECMWF_FILE	AUX_ECF_AXNECM20100515_060227_20100515_150000_20100516_030000	74	15-MAY-2010 20:37:06
ECMWF_FILE	AUX_ECF_AXNECM20100515_060227_20100515_210000_20100516_090000	90	15-MAY-2010 21:56:13
OPTIONAL_ECMWF_FILE	MISSING	1	15-MAY-2010 00:08:15
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100514_235940_000057382089_00259_42898_0351.N1	1	15-MAY-2010 00:08:15
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100515_014037_000038252089_00260_42899_0352.N1	21	15-MAY-2010 01:48:52
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100515_024941_000060572089_00261_42900_0353.N1	36	15-MAY-2010 02:57:36
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100515_043557_000054192089_00262_42901_0354.N1	55	15-MAY-2010 04:38:12
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100515_203219_000041442089_00272_42911_0355.N1	74	15-MAY-2010 20:37:06
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100515_214642_000057382089_00272_42911_0356.N1	90	15-MAY-2010 21:56:13
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100515_232739_000057382089_00273_42912_0357.N1	110	15-MAY-2010 23:36:49

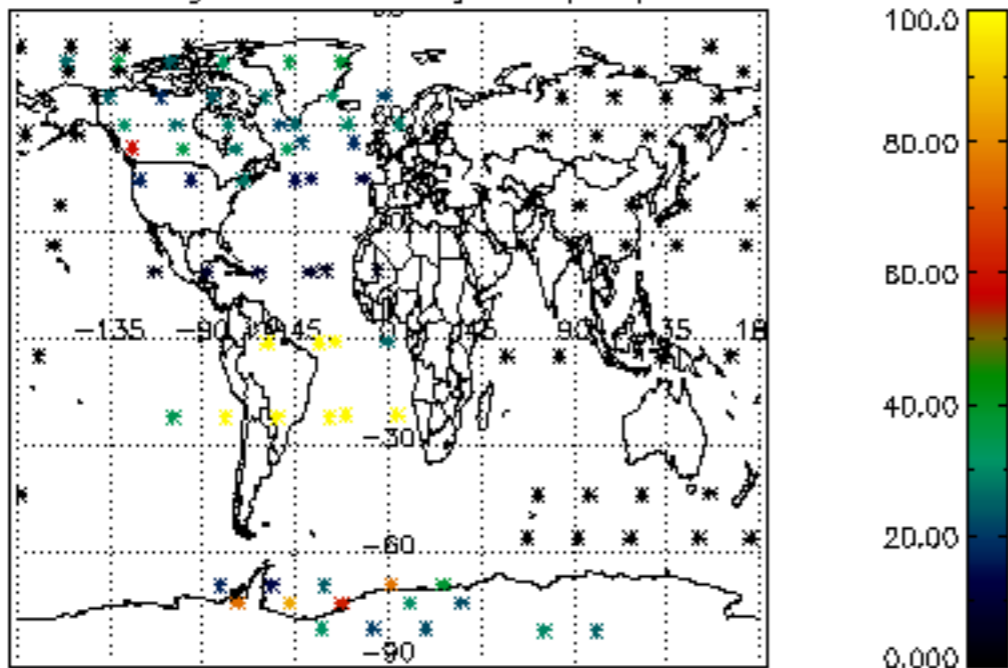




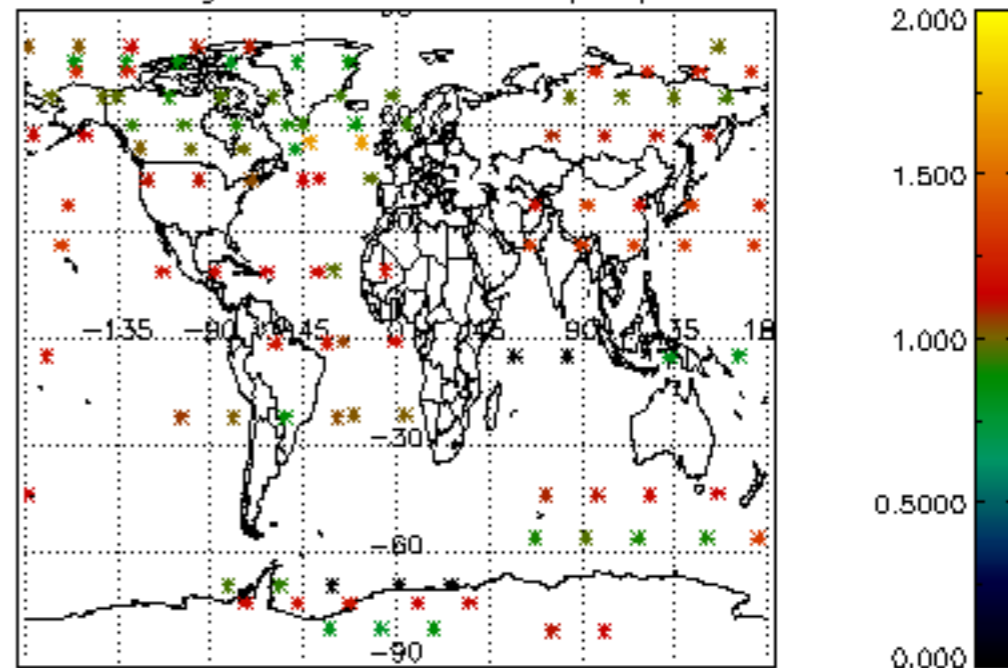




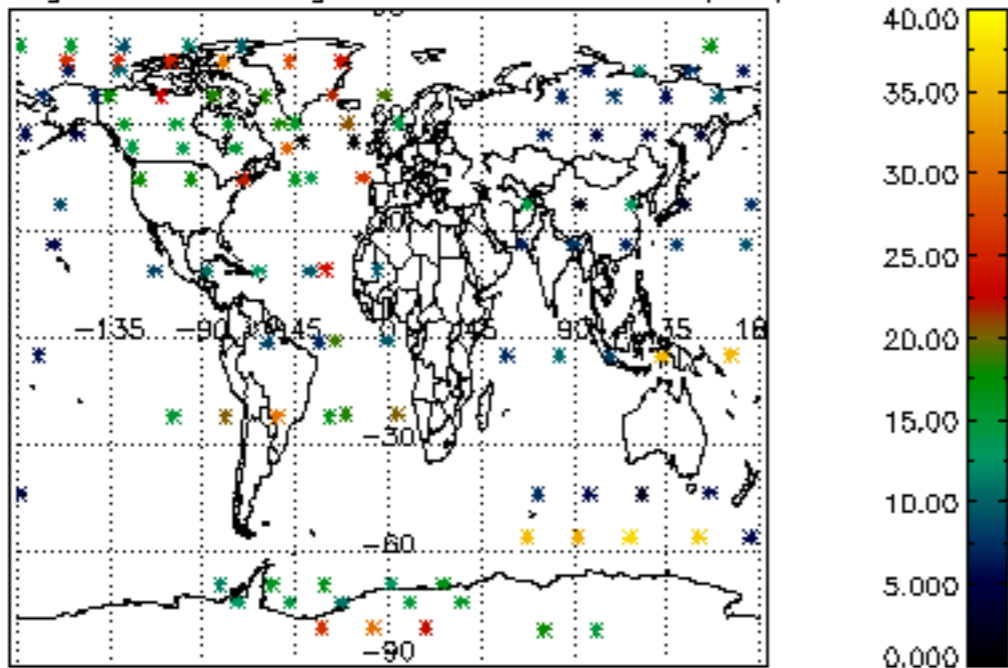
Percentage of cosmic ray hits per profile



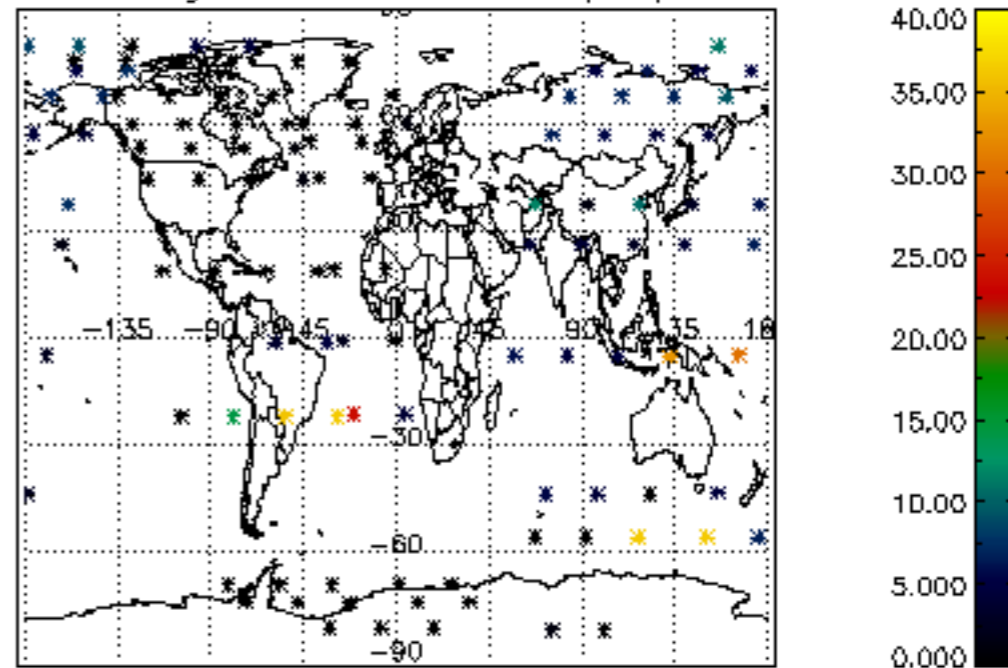
Percentage of datation errors per profile



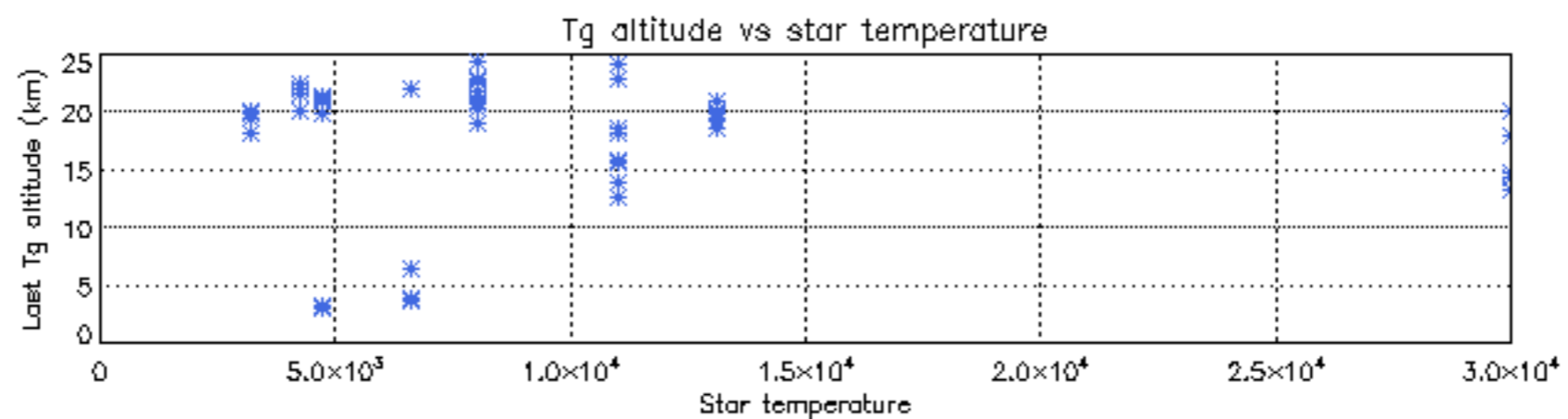
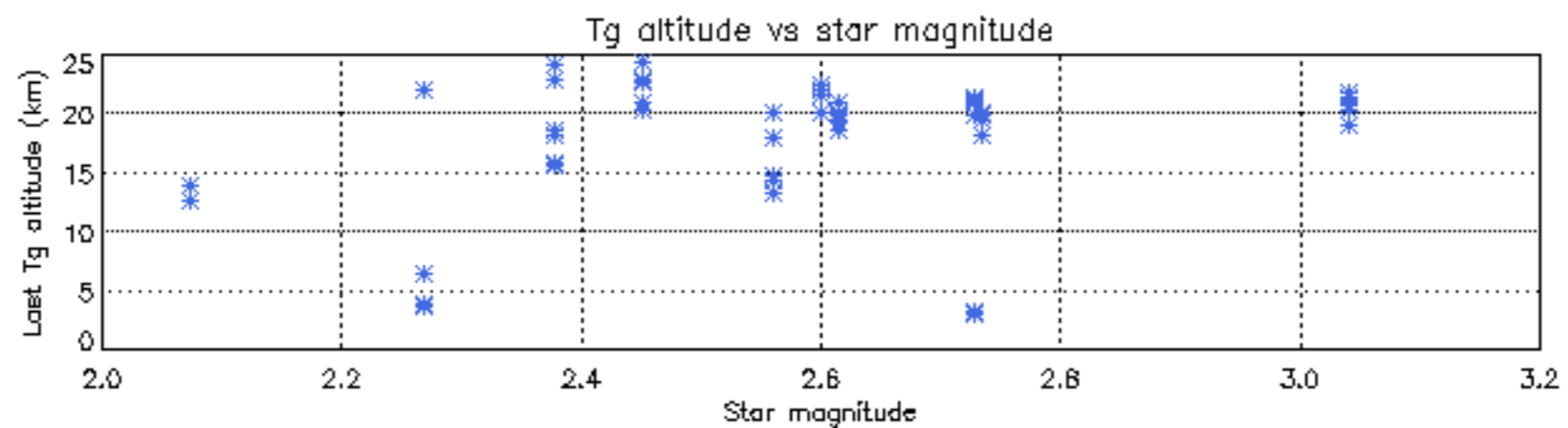
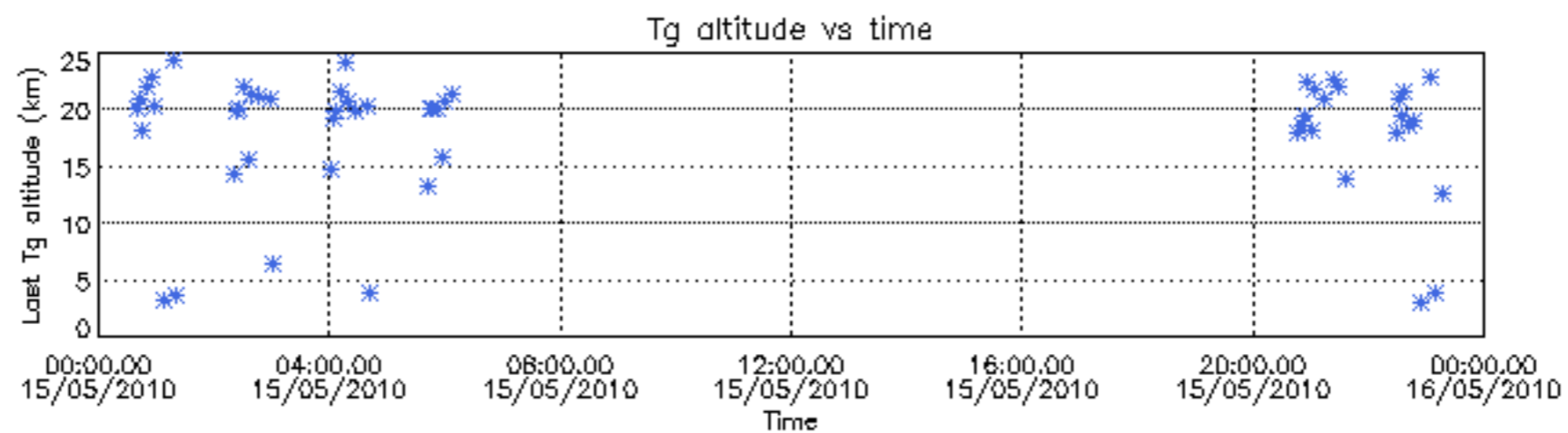
Percentage of star falling outside central band per profile



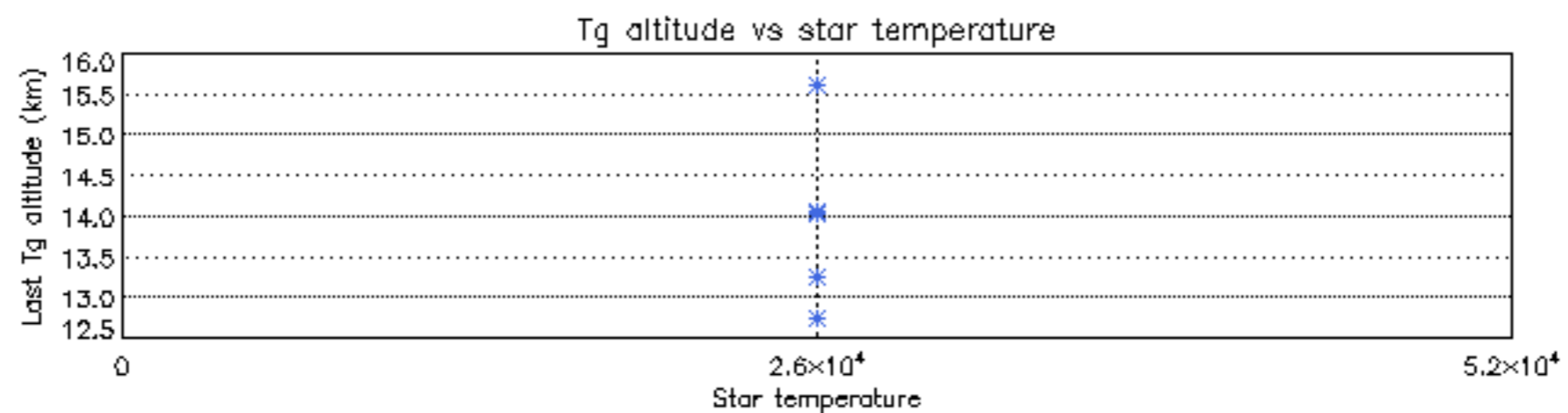
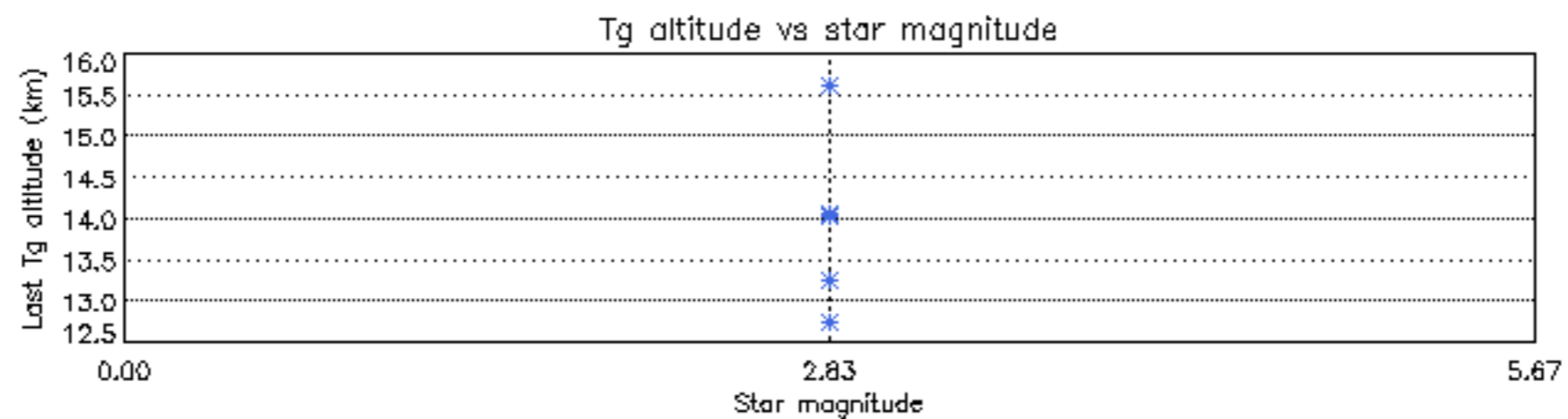
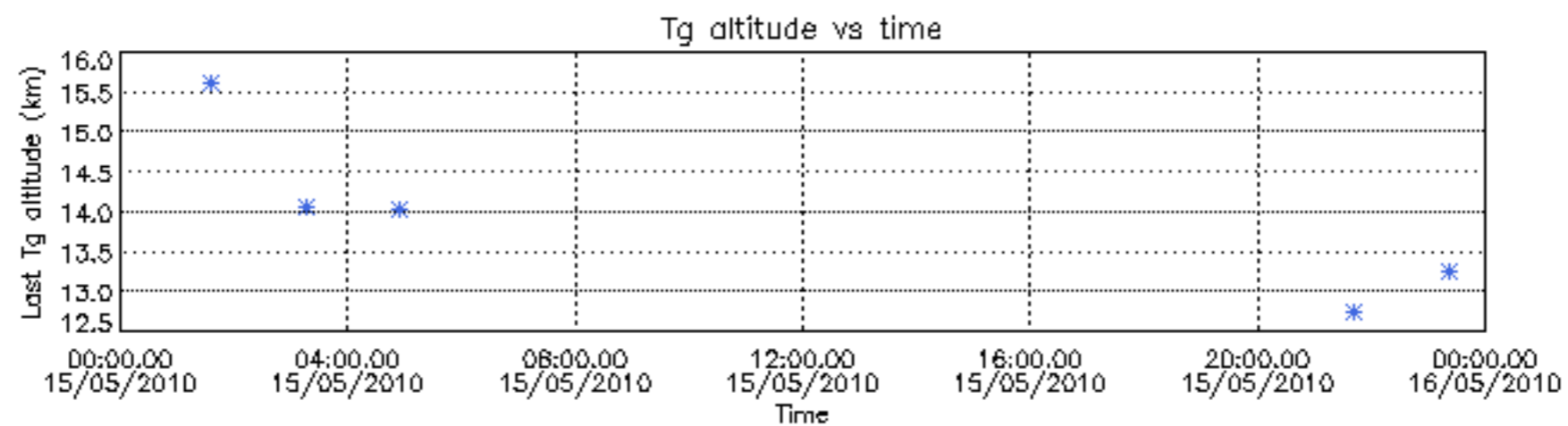
Percentage of saturation errors per profile

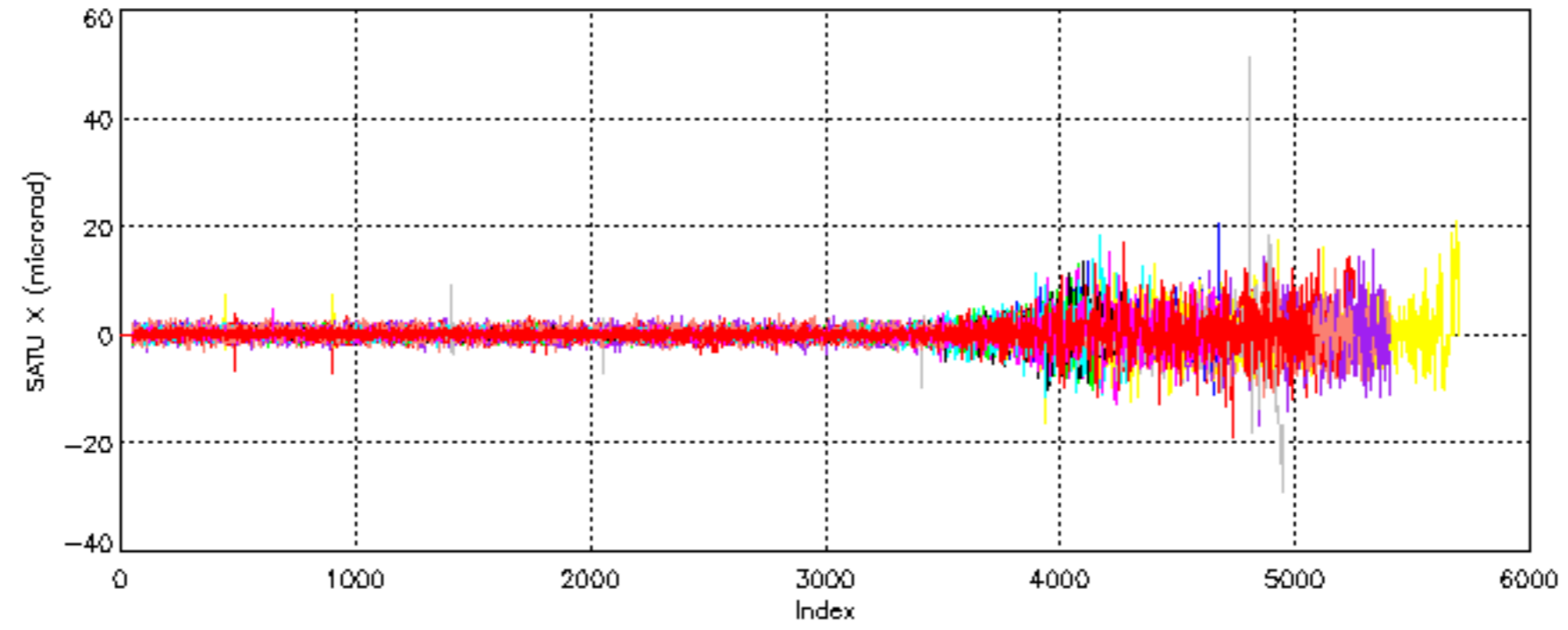


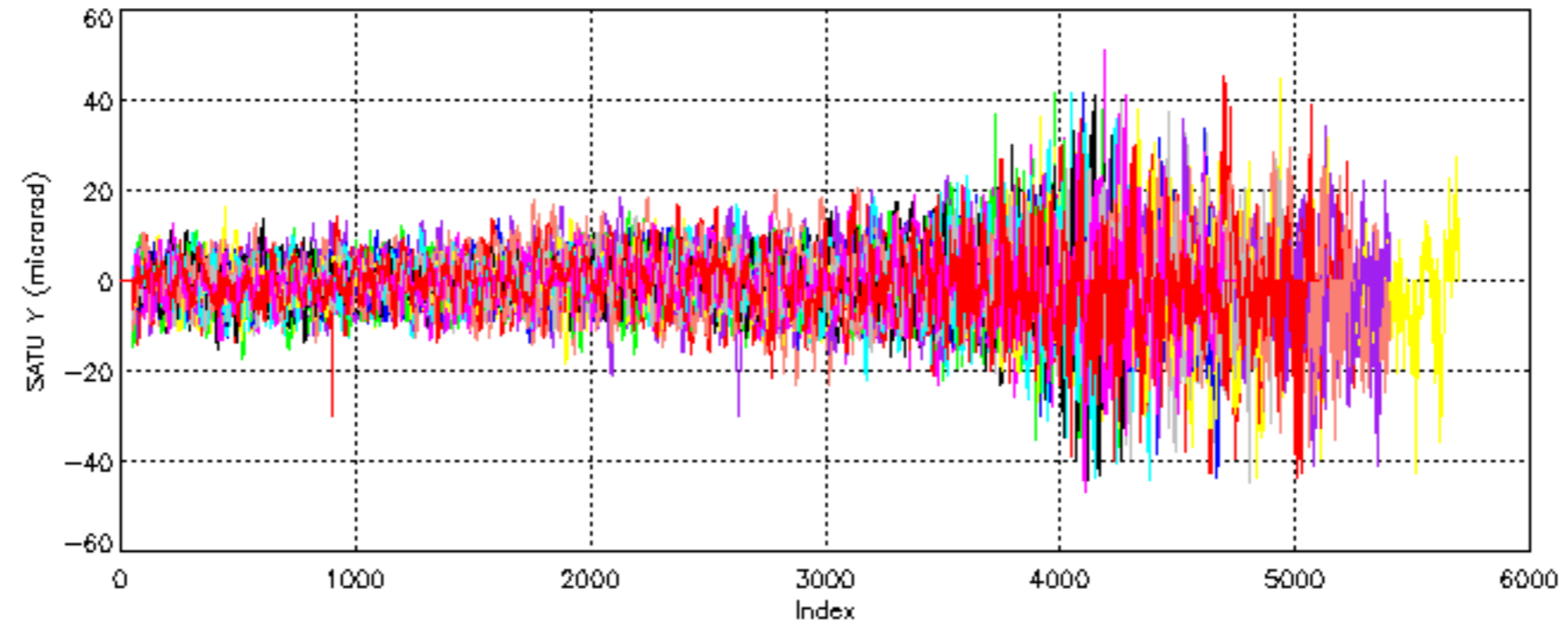
Tangent altitude at which the star is lost

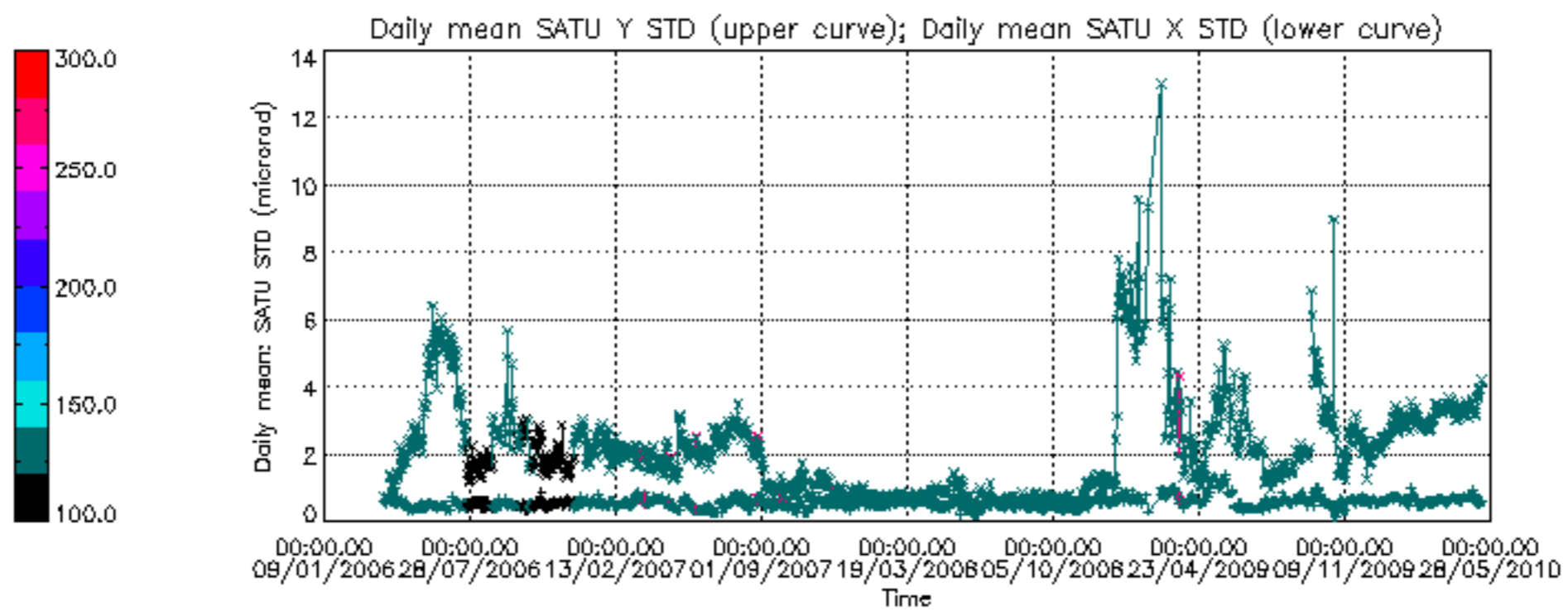


Tangent altitude at which the star is lost









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 3; 634.8; 01-MAY-2010 01:05:14; Dark ; 43.5; 141; Bet Ara ; 2.84; 4600;occ; 87; 0;42699
 4; 745.6; 01-MAY-2010 01:07:04; Dark ; 53.5; 40; The Sco ; 1.86; 7100;occ; 107; 0;42699
 5; 850.6; 01-MAY-2010 01:08:49; Dark ; 59.0; 25; 35Lam Sco ; 1.62; 28000;occ; 118; 0;42699
 6; 1038.5; 01-MAY-2010 01:11:57; Dark ; 60.0; 75; 26Eps Sco ; 2.29; 4250;occ; 120; 0;42699
 7; 1264.4; 01-MAY-2010 01:15:43; Dark ; 81.0; 16; 21Alp Sco ; 1.02; 3000;occ; 162; 0;42699
 8; 1399.6; 01-MAY-2010 01:17:58; Dark ; 58.5; 80; 7Del Sco ; 2.32; 30000;occ; 117; 0;42699
 9; 1590.0; 01-MAY-2010 01:21:09; Bright; 45.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 90; 0;42699
 10; 1728.2; 01-MAY-2010 01:23:27; Bright; 47.5; 104; 27Bet Lib ; 2.61; 13100;occ; 95; 0;42699
 11; 2233.6; 01-MAY-2010 01:31:52; Bright; 40.0; 111; 8Eta Boo ; 2.68; 6000;occ; 80; 0;42699
 12; 2456.5; 01-MAY-2010 01:35:35; Bright; 45.5; 83; ; 2.38; 11000;occ; 91; 0;42699
 13; 2637.1; 01-MAY-2010 01:38:36; Bright; 40.5; 180; 27Gam Boo ; 3.04; 8000;occ; 81; 0;42699
 14; 2770.6; 01-MAY-2010 01:40:49; Bright; 39.5; 39; 85Eta UMA ; 1.85; 24000;occ; 79; 0;42699
 15; 3211.4; 01-MAY-2010 01:48:10; Bright; 44.5; 119; 14Eta Dra ; 2.73; 4700;occ; 89; 0;42699
 16; 3829.0; 01-MAY-2010 01:58:28; Bright; 50.5; 89; 5Alp Cep ; 2.45; 8000;occ; 101; 0;42699
 17; 4140.5; 01-MAY-2010 02:03:39; Bright; 32.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 64; 0;42699
 18; 4508.1; 01-MAY-2010 02:09:47; Dark ; 51.5; 164; 44Eta Peg ; 2.95; 5400;occ; 103; 0;42699
 19; 4773.4; 01-MAY-2010 02:14:12; Dark ; 45.0; 90; 54Alp Peg ; 2.49; 11000;occ; 90; 0;42699
 20; 5030.5; 01-MAY-2010 02:18:29; Dark ; 54.5; 61; 8Eps Peg ; 2.10; 3900;occ; 109; 0;42699

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 2; -859.1; 01-MAY-2010 02:20:56; Dark ; 56.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 113; 0;42699
 3; -636.8; 01-MAY-2010 02:24:38; Dark ; 62.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 124; 0;42699
 4; -479.6; 01-MAY-2010 02:27:15; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42699
 5; 635.3; 01-MAY-2010 02:45:50; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;42700
 6; 746.6; 01-MAY-2010 02:47:41; Dark ; 55.0; 40; The Sco ; 1.86; 7100;occ; 110; 0;42700
 7; 851.7; 01-MAY-2010 02:49:26; Dark ; 57.5; 25; 35Lam Sco ; 1.62; 28000;occ; 115; 0;42700
 8; 1039.1; 01-MAY-2010 02:52:34; Dark ; 64.5; 75; 26Eps Sco ; 2.29; 4250;occ; 129; 0;42700
 9; 1264.8; 01-MAY-2010 02:56:19; Dark ; 68.0; 16; 21Alp Sco ; 1.02; 3000;occ; 136; 0;42700
 10; 1400.2; 01-MAY-2010 02:58:35; Dark ; 59.0; 80; 7Del Sco ; 2.32; 30000;occ; 118; 0;42700
 11; 1590.1; 01-MAY-2010 03:01:45; Bright; 43.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 87; 0;42700
 12; 1728.1; 01-MAY-2010 03:04:03; Bright; 50.5; 104; 27Bet Lib ; 2.61; 13100;occ; 101; 0;42700
 13; 2233.6; 01-MAY-2010 03:12:28; Bright; 38.0; 111; 8Eta Boo ; 2.68; 6000;occ; 76; 0;42700
 14; 2456.1; 01-MAY-2010 03:16:11; Bright; 46.0; 83; ; 2.38; 11000;occ; 92; 0;42700
 15; 2636.6; 01-MAY-2010 03:19:11; Bright; 41.0; 180; 27Gam Boo ; 3.04; 8000;occ; 82; 0;42700
 16; 2770.8; 01-MAY-2010 03:21:25; Bright; 40.0; 39; 85Eta UMA ; 1.85; 24000;occ; 80; 0;42700
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 3; -1527.6; 01-MAY-2010 03:50:23; Dark ; 50.5; 164; 44Eta Peg ; 2.95; 5400;occ; 101; 0;42700
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 5; -1004.5; 01-MAY-2010 03:59:06; Dark ; 66.5; 61; 8Eps Peg ; 2.10; 3900;occ; 133; 0;42700
 6; -858.3; 01-MAY-2010 04:01:32; Dark ; 54.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 108; 0;42700
 7; -635.9; 01-MAY-2010 04:05:15; Dark ; 59.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 118; 0;42700
 8; -478.4; 01-MAY-2010 04:07:52; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42700
 9; -239.1; 01-MAY-2010 04:11:52; Dark ; 42.5; 172; Gam Gru ; 3.00; 13100;occ; 85; 0;42700
 10; 635.9; 01-MAY-2010 04:26:27; Dark ; 42.5; 141; Bet Ara ; 2.84; 4600;occ; 85; 0;42701
 11; 747.2; 01-MAY-2010 04:28:18; Dark ; 50.5; 40; The Sco ; 1.86; 7100;occ; 101; 0;42701
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 13; 1039.9; 01-MAY-2010 04:33:11; Dark ; 59.0; 75; 26Eps Sco ; 2.29; 4250;occ; 118; 0;42701
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 15; 1400.2; 01-MAY-2010 04:39:11; Dark ; 62.0; 80; 7Del Sco ; 2.32; 30000;occ; 124; 0;42701
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 21; 2770.2; 01-MAY-2010 05:02:01; Bright; 37.5; 39; 85Eta UMA ; 1.85; 24000;occ; 75; 0;42701
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 3; -1527.4; 01-MAY-2010 05:30:59; Dark ; 51.0; 164; 44Eta Peg ; 2.95; 5400;occ; 102; 0;42701
 4; -1262.2; 01-MAY-2010 05:35:24; Dark ; 47.5; 90; 54Alp Peg ; 2.49; 11000;occ; 95; 0;42701
 5; -1003.5; 01-MAY-2010 05:39:43; Dark ; 62.5; 61; 8Eps Peg ; 2.10; 3900;occ; 125; 0;42701

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9; -238.3; 01-MAY-2010 05:52:28; Dark ; 41.0; 172; Gam Gru ; 3.00; 13100;occ; 82; 0;42701
10; 636.8; 01-MAY-2010 06:07:03; Dark ; 51.5; 141; Bet Ara ; 2.84; 4600;occ; 103; 0;42702
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5; 1591.3; 01-MAY-2010 19:47:46; Bright; 42.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 84; 0;42710
6; 1727.9; 01-MAY-2010 19:50:02; Bright; 48.0; 104; 27Bet Lib ; 2.61; 13100;occ; 96; 0;42710
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8; 2450.9; 01-MAY-2010 20:02:05; Bright; 46.5; 83; ; 2.38; 11000;occ; 93; 0;42710
9; 2632.0; 01-MAY-2010 20:05:06; Bright; 40.5; 180; 27Gam Boo ; 3.04; 8000;occ; 81; 0;42710
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12; 3825.4; 01-MAY-2010 20:25:00; Bright; 40.5; 89; 5Alp Cep ; 2.45; 8000;occ; 81; 0;42710
13; 4509.7; 01-MAY-2010 20:36:24; Dark ; 49.5; 164; 44Eta Peg ; 2.95; 5400;occ; 99; 0;42710
14; 4776.8; 01-MAY-2010 20:40:51; Dark ; 46.0; 90; 54Alp Peg ; 2.49; 11000;occ; 92; 0;42710
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15; 2450.2; 01-MAY-2010 21:42:40; Bright; 43.5; 83; ; 2.38; 11000;occ; 87; 0;42711
16; 2631.5; 01-MAY-2010 21:45:42; Bright; 39.5; 180; 27Gam Boo ; 3.04; 8000;occ; 79; 0;42711
17; 2769.3; 01-MAY-2010 21:47:59; Bright; 37.0; 39; 85Eta UMa ; 1.85; 24000;occ; 74; 0;42711
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4; 757.1; 01-MAY-2010 22:55:03; Dark ; 52.5; 40; The Sco ; 1.86; 7100;occ; 105; 0;42712
5; 862.9; 01-MAY-2010 22:56:49; Dark ; 59.0; 25; 35Lam Sco ; 1.62; 28000;occ; 118; 0;42712
6; 1047.6; 01-MAY-2010 22:59:54; Dark ; 60.5; 75; 26Eps Sco ; 2.29; 4250;occ; 121; 0;42712
7; 1270.7; 01-MAY-2010 23:03:37; Dark ; 80.0; 16; 21Alp Sco ; 1.02; 3000;occ; 160; 0;42712
8; 1403.6; 01-MAY-2010 23:05:50; Dark ; 60.5; 80; 7Del Sco ; 2.32; 30000;occ; 121; 0;42712
9; 1591.3; 01-MAY-2010 23:08:57; Bright; 45.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 91; 0;42712
10; 1727.4; 01-MAY-2010 23:11:13; Bright; 46.5; 104; 27Bet Lib ; 2.61; 13100;occ; 93; 0;42712

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12; 2449.8; 01-MAY-2010 23:23:16; Bright; 45.5; 83; ; 2.38; 11000;occ; 91; 0;42712
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 5; 3182.7; 04-MAY-2010 08:35:51; Bright; 45.5; 119; 14Eta Dra ; 2.73; 4700;occ; 91; 0;42746
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 3; 2248.0; 06-MAY-2010 07:17:02; Bright; 39.0; 3; 16Alp Boo ; -0.05; 4250;occ; 78; 0;42774
 4; 2422.5; 06-MAY-2010 07:19:56; Bright; 41.5; 83; ; 2.38; 11000;occ; 83; 0;42774
 5; 2517.9; 06-MAY-2010 07:21:32; Bright; 48.5; 67; 5Alp CrB ; 2.22; 11000;occ; 97; 0;42774
 6; 3166.4; 06-MAY-2010 07:32:20; Bright; 44.0; 119; 14Eta Dra ; 2.73; 4700;occ; 88; 0;42774
 7; 3804.7; 06-MAY-2010 07:42:59; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;42774
 8; 4550.1; 06-MAY-2010 07:55:24; Dark ; 53.0; 93; 53Bet Peg ; 2.52; 3100;occ; 106; 0;42774
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 11; 5650.6; 06-MAY-2010 08:13:45; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42774
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 17; 7457.3; 06-MAY-2010 08:43:51; Dark ; 59.0; 80; 7Del Sco ; 2.32; 30000;occ; 118; 0;42775
 18; 7634.5; 06-MAY-2010 08:46:48; Bright; 42.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 84; 0;42775
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 4; 2422.0; 06-MAY-2010 09:00:32; Bright; 43.0; 83; ; 2.38; 11000;occ; 86; 0;42775
 5; 2517.2; 06-MAY-2010 09:02:07; Bright; 50.5; 67; 5Alp CrB ; 2.22; 11000;occ; 101; 0;42775
 6; 3165.8; 06-MAY-2010 09:12:56; Bright; 43.5; 119; 14Eta Dra ; 2.73; 4700;occ; 87; 0;42775
 7; 3804.4; 06-MAY-2010 09:23:34; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;42775
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 12; 5855.9; 06-MAY-2010 09:57:46; Dark ; 42.5; 172; Gam Gru ; 3.00; 13100;occ; 85; 0;42775
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 16; 7335.6; 06-MAY-2010 10:22:25; Dark ; 73.0; 16; 21Alp Sco ; 1.02; 3000;occ; 146; 0;42776
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 3; 2103.9; 06-MAY-2010 10:35:50; Bright; 52.5; 102; 24Alp Ser ; 2.60; 4250;occ; 105; 0;42776
 4; 2247.6; 06-MAY-2010 10:38:13; Bright; 38.0; 3; 16Alp Boo ; -0.05; 4250;occ; 76; 0;42776
 5; 2421.8; 06-MAY-2010 10:41:07; Bright; 44.0; 83; ; 2.38; 11000;occ; 88; 0;42776
 6; 2516.5; 06-MAY-2010 10:42:42; Bright; 49.5; 67; 5Alp CrB ; 2.22; 11000;occ; 99; 0;42776
 7; 3165.3; 06-MAY-2010 10:53:31; Bright; 43.5; 119; 14Eta Dra ; 2.73; 4700;occ; 87; 0;42776
 8; 3803.7; 06-MAY-2010 11:04:09; Bright; 63.0; 89; 5Alp Cep ; 2.45; 8000;occ; 126; 0;42776
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 11; 5245.5; 06-MAY-2010 11:28:11; Dark ; 61.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 122; 0;42776
 12; 5653.3; 06-MAY-2010 11:34:59; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42776
 13; 5856.9; 06-MAY-2010 11:38:23; Dark ; 43.0; 172; Gam Gru ; 3.00; 13100;occ; 86; 0;42776
 14; 6821.2; 06-MAY-2010 11:54:27; Dark ; 66.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 133; 0;42777

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 5; 2421.1; 06-MAY-2010 12:21:43; Bright; 40.5; 83; ; 2.38; 11000;occ; 81; 0;42777
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 8; 3803.6; 06-MAY-2010 12:44:45; Bright; 42.5; 89; 5Alp Cep ; 2.45; 8000;occ; 85; 0;42777
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11; 5246.6; 06-MAY-2010 13:08:48; Dark ; 60.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 121; 0;42777
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 5; 2247.0; 06-MAY-2010 13:59:24; Bright; 39.5; 3; 16Alp Boo ; -0.05; 4250;occ; 79; 0;42778
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 3; 813.8; 06-MAY-2010 16:56:43; Dark ; 52.0; 40; The Sco ; 1.86; 7100;occ; 104; 0;42780
 4; 928.7; 06-MAY-2010 16:58:38; Dark ; 34.0; 115; 34Ups Sco ; 2.70; 26000;occ; 68; 0;42780
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 3; -99.0; 06-MAY-2010 23:23:54; Dark ; 50.0; 31; Alp Gru ; 1.73; 15200;occ; 100; 0;42783
 4; 235.4; 06-MAY-2010 23:29:29; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;42784
 5; 686.1; 06-MAY-2010 23:36:59; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;42784
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 7; 932.0; 06-MAY-2010 23:41:05; Dark ; 39.0; 115; 34Ups Sco ; 2.70; 26000;occ; 78; 0;42784
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13; 2223.4; 07-MAY-2010 00:02:37; Bright; 36.5; 111; 8Eta Boo ; 2.68; 6000;occ; 73; 0;42784
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16; 2754.9; 07-MAY-2010 00:11:28; Bright; 37.0; 39; 85Eta UMa ; 1.85; 24000;occ; 74; 0;42784
17; 2842.0; 07-MAY-2010 00:12:55; Bright; 37.5; 55; 79Zet UMa ; 2.06; 10200;occ; 75; 0;42784
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 9; 2842.1; 06-MAY-2010 17:30:32; Bright; 37.0; 55; 79Zet UMa ; 2.06; 10200;occ; 74; 0;42780
 10; 3203.3; 06-MAY-2010 17:36:33; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;42780
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 18; 6269.2; 06-MAY-2010 18:27:39; Dark ; 43.5; 45; Alp Pav ; 1.94; 26000;occ; 87; 0;42781
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 17; 5731.6; 07-MAY-2010 19:27:40; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42795
 18; 5944.7; 07-MAY-2010 19:31:13; Dark ; 51.0; 31; Alp Gru ; 1.73; 15200;occ; 102; 0;42795
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 17; 2752.9; 08-MAY-2010 01:20:25; Bright; 38.0; 39; 85Eta UMa ; 1.85; 24000;occ; 76; 0;42799
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 12; 1601.3; 08-MAY-2010 02:41:49; Bright; 42.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 84; 0;42800
 13; 1724.9; 08-MAY-2010 02:43:53; Bright; 44.5; 104; 27Bet Lib ; 2.61; 13100;occ; 89; 0;42800
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9; 696.3; 08-MAY-2010 04:07:20; Dark ; 44.5; 141; Bet Ara ; 2.84; 4600;occ; 89; 0;42801
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7; 1725.0; 08-MAY-2010 19:29:53; Bright; 44.0; 104; 27Bet Lib ; 2.61; 13100;occ; 88; 0;42810
8; 2221.6; 08-MAY-2010 19:38:09; Bright; 36.5; 111; 8Eta Boo ; 2.68; 6000;occ; 73; 0;42810
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16; 2751.3; 09-MAY-2010 02:29:22; Bright; 39.0; 39; 85Eta UMa ; 1.85; 24000;occ; 78; 0;42814
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21;	7159.3;	10-MAY-2010	11:34:13;	Dark	;	52.0;	75;	26Eps Sco	;	2.29;	4250;occ;	104;	0;	42834
22;	7358.4;	10-MAY-2010	11:37:32;	Dark	;	66.5;	16;	21Alp Sco	;	1.02;	3000;occ;	133;	0;	42834
23;	7471.7;	10-MAY-2010	11:39:25;	Dark	;	62.5;	80;	7Del Sco	;	2.32;	30000;occ;	125;	0;	42834
24;	7641.5;	10-MAY-2010	11:42:15;	Bright;	40.5;	122;	9Alp2Lib	;	2.75;	9700;occ;	81;	0;	42834	
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4;	2401.8;	10-MAY-2010	11:55:32;	Bright;	39.5;	83;		;	2.38;	11000;occ;	79;	0;	42834	
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17;	6306.4;	10-MAY-2010	13:00:36;	Dark	;	41.0;	45;	Alp Pav	;	1.94;	26000;occ;	82;	0;	42835
18;	6751.2;	10-MAY-2010	13:08:01;	Dark	;	41.5;	141;	Bet Ara	;	2.84;	4600;occ;	83;	0;	42835
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20;	7003.1;	10-MAY-2010	13:12:13;	Dark	;	54.0;	25;	35Lam Sco	;	1.62;	28000;occ;	108;	0;	42835
21;	7159.9;	10-MAY-2010	13:14:50;	Dark	;	53.5;	75;	26Eps Sco	;	2.29;	4250;occ;	107;	0;	42835
22;	7358.9;	10-MAY-2010	13:18:09;	Dark	;	63.5;	16;	21Alp Sco	;	1.02;	3000;occ;	127;	0;	42835
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3; 2221.2; 11-MAY-2010 07:59:42; Bright; 34.5; 111; 8Eta Boo ; 2.68; 6000;occ; 69; 0;42846
4; 2398.6; 11-MAY-2010 08:02:39; Bright; 40.0; 83; ; 2.38; 11000;occ; 80; 0;42846
5; 2585.1; 11-MAY-2010 08:05:46; Bright; 39.0; 180; 27Gam Boo ; 3.04; 8000;occ; 78; 0;42846
6; 2748.4; 11-MAY-2010 08:08:29; Bright; 38.0; 39; 85Eta UMa ; 1.85; 24000;occ; 76; 0;42846

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8; 3778.0; 11-MAY-2010 08:25:39; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;42846
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22; 7363.4; 11-MAY-2010 09:25:24; Dark ; 59.5; 16; 21Alp Sco ; 1.02; 3000;occ; 119; 0;42847
23; 7474.8; 11-MAY-2010 09:27:16; Dark ; 53.5; 80; 7Del Sco ; 2.32; 30000;occ; 107; 0;42847
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4; 2584.7; 11-MAY-2010 09:46:22; Bright; 38.5; 180; 27Gam Boo ; 3.04; 8000;occ; 77; 0;42847
5; 2748.2; 11-MAY-2010 09:49:05; Bright; 36.5; 39; 85Eta UMa ; 1.85; 24000;occ; 73; 0;42847
6; 3126.3; 11-MAY-2010 09:55:23; Bright; 43.5; 119; 14Eta Dra ; 2.73; 4700;occ; 87; 0;42847
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7; 3125.8; 11-MAY-2010 11:35:59; Bright; 43.0; 119; 14Eta Dra ; 2.73; 4700;occ; 86; 0;42848
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9; 3776.4; 11-MAY-2010 15:08:01; Bright; 44.5; 89; 5Alp Cep ; 2.45; 8000;occ; 89; 0;42850
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13; 4565.5; 11-MAY-2010 17:01:46; Dark ; 51.5; 93; 53Bet Peg ; 2.52; 3100;occ; 103; 0;42851
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 23; 6904.9; 11-MAY-2010 19:21:21; Dark ; 55.5; 40; The Sco ; 1.86; 7100;occ; 111; 0;42853

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 3; -132.9; 11-MAY-2010 22:25:51; Dark ; 47.0; 63; Bet Gru ; 2.15; 2800;occ; 94; 0;42854
 4; -51.5; 11-MAY-2010 22:27:13; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;42854
 5; 283.9; 11-MAY-2010 22:32:48; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;42855
 6; 726.1; 11-MAY-2010 22:40:10; Dark ; 45.0; 141; Bet Ara ; 2.84; 4600;occ; 90; 0;42855
 7; 870.6; 11-MAY-2010 22:42:35; Dark ; 46.5; 40; The Sco ; 1.86; 7100;occ; 93; 0;42855
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 9; 1134.6; 11-MAY-2010 22:46:59; Dark ; 54.5; 75; 26Eps Sco ; 2.29; 4250;occ; 109; 0;42855
 10; 1330.3; 11-MAY-2010 22:50:15; Dark ; 66.5; 16; 21Alp Sco ; 1.02; 3000;occ; 133; 0;42855
 11; 1440.6; 11-MAY-2010 22:52:05; Dark ; 59.5; 80; 7Del Sco ; 2.32; 30000;occ; 119; 0;42855
 12; 1607.9; 11-MAY-2010 22:54:52; Bright; 39.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 79; 0;42855
 13; 1725.3; 11-MAY-2010 22:56:50; Bright; 42.5; 104; 27Bet Lib ; 2.61; 13100;occ; 85; 0;42855
 14; 2237.3; 11-MAY-2010 23:05:22; Bright; 36.5; 3; 16Alp Boo ; -0.05; 4250;occ; 73; 0;42855
 15; 2396.1; 11-MAY-2010 23:08:00; Bright; 41.5; 83; ; 2.38; 11000;occ; 83; 0;42855
 16; 2582.4; 11-MAY-2010 23:11:07; Bright; 38.5; 180; 27Gam Boo ; 3.04; 8000;occ; 77; 0;42855
 17; 2747.4; 11-MAY-2010 23:13:52; Bright; 34.5; 39; 85Eta UMa ; 1.85; 24000;occ; 69; 0;42855
 18; 3121.9; 11-MAY-2010 23:20:06; Bright; 43.0; 119; 14Eta Dra ; 2.73; 4700;occ; 86; 0;42855
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 22; 4746.7; 11-MAY-2010 23:47:11; Dark ; 39.5; 140; 88Gam Peg ; 2.83; 26000;occ; 79; 0;42855
 23; 4832.1; 11-MAY-2010 23:48:36; Dark ; 50.5; 90; 54Alp Peg ; 2.49; 11000;occ; 101; 0;42855

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 3; 1133.5; 11-MAY-2010 19:25:46; Dark ; 52.5; 75; 26Eps Sco ; 2.29; 4250;occ; 105; 0;42853
 4; 1329.2; 11-MAY-2010 19:29:02; Dark ; 69.0; 16; 21Alp Sco ; 1.02; 3000;occ; 138; 0;42853
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 7; 1725.4; 11-MAY-2010 19:35:38; Bright; 42.0; 104; 27Bet Lib ; 2.61; 13100;occ; 84; 0;42853
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 9; 2396.5; 11-MAY-2010 19:46:49; Bright; 39.5; 83; ; 2.38; 11000;occ; 79; 0;42853
 10; 2583.0; 11-MAY-2010 19:49:56; Bright; 37.5; 180; 27Gam Boo ; 3.04; 8000;occ; 75; 0;42853
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 13; 3775.3; 11-MAY-2010 20:09:48; Bright; 43.0; 89; 5Alp Cep ; 2.45; 8000;occ; 86; 0;42853
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 18; 5632.7; 11-MAY-2010 20:40:45; Dark ; 50.0; 18; 24Alp PsA ; 1.17; 9700;occ; 100; 0;42853
 19; 5775.8; 11-MAY-2010 20:43:08; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42853

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22; 6319.6; 11-MAY-2010 20:52:12; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;42854
23; 6761.6; 11-MAY-2010 20:59:34; Dark ; 54.0; 141; Bet Ara ; 2.84; 4600;occ; 108; 0;42854
24; 6905.5; 11-MAY-2010 21:01:58; Dark ; 49.0; 40; The Sco ; 1.86; 7100;occ; 98; 0;42854
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 6; 726.8; 12-MAY-2010 00:20:47; Dark ; 41.0; 141; Bet Ara ; 2.84; 4600;occ; 82; 0;42856
 7; 871.1; 12-MAY-2010 00:23:11; Dark ; 52.0; 40; The Sco ; 1.86; 7100;occ; 104; 0;42856
 8; 982.7; 12-MAY-2010 00:25:03; Dark ; 60.0; 25; 35Lam Sco ; 1.62; 28000;occ; 120; 0;42856
 9; 1135.3; 12-MAY-2010 00:27:35; Dark ; 54.5; 75; 26Eps Sco ; 2.29; 4250;occ; 109; 0;42856
10; 1330.4; 12-MAY-2010 00:30:51; Dark ; 58.0; 16; 21Alp Sco ; 1.02; 3000;occ; 116; 0;42856
11; 1441.0; 12-MAY-2010 00:32:41; Dark ; 59.0; 80; 7Del Sco ; 2.32; 30000;occ; 118; 0;42856
12; 1608.2; 12-MAY-2010 00:35:28; Bright; 40.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 80; 0;42856
13; 1725.4; 12-MAY-2010 00:37:26; Bright; 42.0; 104; 27Bet Lib ; 2.61; 13100;occ; 84; 0;42856
14; 2237.3; 12-MAY-2010 00:45:57; Bright; 38.0; 3; 16Alp Boo ; -0.05; 4250;occ; 76; 0;42856
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16; 2582.5; 12-MAY-2010 00:51:43; Bright; 38.0; 180; 27Gam Boo ; 3.04; 8000;occ; 76; 0;42856
17; 2747.5; 12-MAY-2010 00:54:28; Bright; 35.5; 39; 85Eta UMa ; 1.85; 24000;occ; 71; 0;42856
18; 3121.5; 12-MAY-2010 01:00:42; Bright; 43.5; 119; 14Eta Dra ; 2.73; 4700;occ; 87; 0;42856
19; 3773.6; 12-MAY-2010 01:11:34; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;42856
20; 3964.3; 12-MAY-2010 01:14:44; Bright; 34.5; 74; 11Bet Cas ; 2.27; 6600;occ; 69; 0;42856
21; 4566.2; 12-MAY-2010 01:24:46; Dark ; 63.5; 93; 53Bet Peg ; 2.52; 3100;occ; 127; 0;42856
22; 4746.9; 12-MAY-2010 01:27:47; Dark ; 40.5; 140; 88Gam Peg ; 2.83; 26000;occ; 81; 0;42856
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 3; -131.4; 12-MAY-2010 01:47:05; Dark ; 47.0; 63; Bet Gru ; 2.15; 2800;occ; 94; 0;42856
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 6; 727.3; 12-MAY-2010 02:01:23; Dark ; 49.0; 141; Bet Ara ; 2.84; 4600;occ; 98; 0;42857
 7; 871.9; 12-MAY-2010 02:03:48; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;42857
 8; 983.8; 12-MAY-2010 02:05:40; Dark ; 51.0; 25; 35Lam Sco ; 1.62; 28000;occ; 102; 0;42857
 9; 1135.7; 12-MAY-2010 02:08:12; Dark ; 52.5; 75; 26Eps Sco ; 2.29; 4250;occ; 105; 0;42857
10; 1330.8; 12-MAY-2010 02:11:27; Dark ; 58.5; 16; 21Alp Sco ; 1.02; 3000;occ; 117; 0;42857
11; 1441.2; 12-MAY-2010 02:13:17; Dark ; 49.5; 80; 7Del Sco ; 2.32; 30000;occ; 99; 0;42857
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13; 1725.5; 12-MAY-2010 02:18:02; Bright; 41.5; 104; 27Bet Lib ; 2.61; 13100;occ; 83; 0;42857
14; 2237.0; 12-MAY-2010 02:26:33; Bright; 40.5; 3; 16Alp Boo ; -0.05; 4250;occ; 81; 0;42857
15; 2395.3; 12-MAY-2010 02:29:11; Bright; 39.0; 83; ; 2.38; 11000;occ; 78; 0;42857
16; 2582.4; 12-MAY-2010 02:32:18; Bright; 40.0; 180; 27Gam Boo ; 3.04; 8000;occ; 80; 0;42857
17; 2747.3; 12-MAY-2010 02:35:03; Bright; 37.0; 39; 85Eta UMa ; 1.85; 24000;occ; 74; 0;42857
18; 3121.2; 12-MAY-2010 02:41:17; Bright; 41.5; 119; 14Eta Dra ; 2.73; 4700;occ; 83; 0;42857
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 3; -1469.3; 12-MAY-2010 03:05:23; Dark ; 64.5; 93; 53Bet Peg ; 2.52; 3100;occ; 129; 0;42857
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 5; -1202.6; 12-MAY-2010 03:09:49; Dark ; 50.5; 90; 54Alp Peg ; 2.49; 11000;occ; 101; 0;42857
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 9; -49.0; 12-MAY-2010 03:29:03; Dark ; 46.0; 31; Alp Gru ; 1.73; 15200;occ; 92; 0;42857
10; 286.0; 12-MAY-2010 03:34:38; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;42858
11; 727.8; 12-MAY-2010 03:42:00; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;42858
12; 872.5; 12-MAY-2010 03:44:24; Dark ; 52.5; 40; The Sco ; 1.86; 7100;occ; 105; 0;42858
13; 984.5; 12-MAY-2010 03:46:16; Dark ; 56.5; 25; 35Lam Sco ; 1.62; 28000;occ; 113; 0;42858
14; 1136.3; 12-MAY-2010 03:48:48; Dark ; 50.0; 75; 26Eps Sco ; 2.29; 4250;occ; 100; 0;42858
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17; 1608.4; 12-MAY-2010 03:56:40; Bright; 38.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 76; 0;42858
18; 1725.7; 12-MAY-2010 03:58:38; Bright; 42.0; 104; 27Bet Lib ; 2.61; 13100;occ; 84; 0;42858

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21; 2582.5; 12-MAY-2010 04:12:54; Bright; 38.0; 180; 27Gam Boo ; 3.04; 8000;occ; 76; 0;42858
22; 2747.5; 12-MAY-2010 04:15:39; Bright; 35.5; 39; 85Eta UMa ; 1.85; 24000;occ; 71; 0;42858
23; 3120.6; 12-MAY-2010 04:21:52; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;42858
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11; 728.3; 12-MAY-2010 05:22:36; Dark ; 44.0; 141; Bet Ara ; 2.84; 4600;occ; 88; 0;42859
12; 873.3; 12-MAY-2010 05:25:01; Dark ; 53.5; 40; The Sco ; 1.86; 7100;occ; 107; 0;42859
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16; 1441.8; 12-MAY-2010 05:34:30; Dark ; 58.0; 80; 7Del Sco ; 2.32; 30000;occ; 116; 0;42859
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18; 1725.6; 12-MAY-2010 05:39:14; Bright; 41.0; 104; 27Bet Lib ; 2.61; 13100;occ; 82; 0;42859
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11; 729.0; 12-MAY-2010 07:03:13; Dark ; 43.5; 141; Bet Ara ; 2.84; 4600;occ; 87; 0;42860
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13; 985.4; 12-MAY-2010 07:07:29; Dark ; 53.5; 25; 35Lam Sco ; 1.62; 28000;occ; 107; 0;42860
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16; 1441.7; 12-MAY-2010 07:15:06; Dark ; 64.0; 80; 7Del Sco ; 2.32; 30000;occ; 128; 0;42860
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7; 2571.6; 15-MAY-2010 16:02:40; Bright; 38.0; 180; 27Gam Boo ; 3.04; 8000;occ; 76; 0;42908
8; 3095.7; 15-MAY-2010 16:11:24; Bright; 43.5; 119; 14Eta Dra ; 2.73; 4700;occ; 87; 0;42908
9; 3752.0; 15-MAY-2010 16:22:20; Bright; 65.0; 89; 5Alp Cep ; 2.45; 8000;occ; 130; 0;42908
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17; 6358.0; 15-MAY-2010 17:05:46; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;42909
18; 6790.8; 15-MAY-2010 17:12:59; Dark ; 48.5; 141; Bet Ara ; 2.84; 4600;occ; 97; 0;42909
19; 6963.9; 15-MAY-2010 17:15:52; Dark ; 27.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 54; 0;42909
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6; 2049.0; 15-MAY-2010 17:34:33; Bright; 44.0; 102; 24Alp Ser ; 2.60; 4250;occ; 88; 0;42909
7; 2383.9; 15-MAY-2010 17:40:08; Bright; 41.5; 83; ; 2.38; 11000;occ; 83; 0;42909
8; 2571.9; 15-MAY-2010 17:43:16; Bright; 38.5; 180; 27Gam Boo ; 3.04; 8000;occ; 77; 0;42909
9; 3095.2; 15-MAY-2010 17:52:00; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;42909
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14; 4858.5; 15-MAY-2010 18:21:23; Dark ; 54.0; 90; 54Alp Peg ; 2.49; 11000;occ; 108; 0;42909
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16; 5823.0; 15-MAY-2010 18:37:27; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42909
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19; 6791.4; 15-MAY-2010 18:53:36; Dark ; 44.0; 141; Bet Ara ; 2.84; 4600;occ; 88; 0;42910
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3; 1161.8; 15-MAY-2010 19:00:22; Dark ; 52.0; 75; 26Eps Sco ; 2.29; 4250;occ; 104; 0;42910
4; 1348.6; 15-MAY-2010 19:03:29; Dark ; 61.0; 16; 21Alp Sco ; 1.02; 3000;occ; 122; 0;42910
5; 1506.1; 15-MAY-2010 19:06:07; Bright; 45.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 91; 0;42910

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8; 2048.6; 15-MAY-2010 19:15:09; Bright; 44.5; 102; 24Alp Ser ; 2.60; 4250;occ; 89; 0;42910
9; 2383.4; 15-MAY-2010 19:20:44; Bright; 39.0; 83; ; 2.38; 11000;occ; 78; 0;42910
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11; 3094.9; 15-MAY-2010 19:32:35; Bright; 42.5; 119; 14Eta Dra ; 2.73; 4700;occ; 85; 0;42910
12; 3751.2; 15-MAY-2010 19:43:32; Bright; 42.5; 89; 5Alp Cep ; 2.45; 8000;occ; 85; 0;42910
13; 3961.8; 15-MAY-2010 19:47:02; Bright; 55.0; 74; 11Bet Cas ; 2.27; 6600;occ; 110; 0;42910
14; 4513.2; 15-MAY-2010 19:56:14; Dark ; 46.5; 58; 21Alp And ; 2.07; 11000;occ; 93; 0;42910
15; 4762.3; 15-MAY-2010 20:00:23; Dark ; 43.0; 140; 88Gam Peg ; 2.83; 26000;occ; 86; 0;42910
16; 4859.0; 15-MAY-2010 20:01:59; Dark ; 54.5; 90; 54Alp Peg ; 2.49; 11000;occ; 109; 0;42910
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19; 6025.6; 15-MAY-2010 20:21:26; Dark ; 50.0; 31; Alp Gru ; 1.73; 15200;occ; 100; 0;42910
20; 6359.1; 15-MAY-2010 20:27:00; Dark ; 44.5; 45; Alp Pav ; 1.94; 26000;occ; 89; 0;42911
21; 6791.7; 15-MAY-2010 20:34:12; Dark ; 45.5; 141; Bet Ara ; 2.84; 4600;occ; 91; 0;42911
22; 6965.5; 15-MAY-2010 20:37:06; Dark ; 29.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 58; 0;42911
23; 7056.7; 15-MAY-2010 20:38:37; Dark ; 17.0; 25; 35Lam Sco ; 1.62; 28000;occ; 34; 0;42911

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2; 1020.7; 15-MAY-2010 20:38:37; Dark ; 53.5; 25; 35Lam Sco ; 1.62; 28000;occ; 107; 0;42911
3; 1162.2; 15-MAY-2010 20:40:59; Dark ; 52.0; 75; 26Eps Sco ; 2.29; 4250;occ; 104; 0;42911
4; 1349.0; 15-MAY-2010 20:44:05; Dark ; 56.5; 16; 21Alp Sco ; 1.02; 3000;occ; 113; 0;42911
5; 1506.3; 15-MAY-2010 20:46:43; Bright; 45.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 91; 0;42911
6; 1726.9; 15-MAY-2010 20:50:23; Bright; 41.0; 104; 27Bet Lib ; 2.61; 13100;occ; 82; 0;42911
7; 1857.7; 15-MAY-2010 20:52:34; Bright; 50.5; 120; 1Del Oph ; 2.73; 3200;occ; 101; 0;42911
8; 2048.5; 15-MAY-2010 20:55:45; Bright; 44.0; 102; 24Alp Ser ; 2.60; 4250;occ; 88; 0;42911
9; 2383.4; 15-MAY-2010 21:01:20; Bright; 40.0; 83; ; 2.38; 11000;occ; 80; 0;42911
10; 2571.2; 15-MAY-2010 21:04:28; Bright; 37.5; 180; 27Gam Boo ; 3.04; 8000;occ; 75; 0;42911
11; 3094.2; 15-MAY-2010 21:13:11; Bright; 42.0; 119; 14Eta Dra ; 2.73; 4700;occ; 84; 0;42911
12; 3750.7; 15-MAY-2010 21:24:07; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;42911
13; 3961.6; 15-MAY-2010 21:27:38; Bright; 37.5; 74; 11Bet Cas ; 2.27; 6600;occ; 75; 0;42911
14; 4513.5; 15-MAY-2010 21:36:50; Dark ; 44.0; 58; 21Alp And ; 2.07; 11000;occ; 88; 0;42911
15; 4762.1; 15-MAY-2010 21:40:59; Dark ; 44.5; 140; 88Gam Peg ; 2.83; 26000;occ; 89; 0;42911
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3; -9.6; 15-MAY-2010 22:02:03; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;42911
4; 324.3; 15-MAY-2010 22:07:37; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;42912
5; 756.4; 15-MAY-2010 22:14:49; Dark ; 51.0; 141; Bet Ara ; 2.84; 4600;occ; 102; 0;42912
6; 930.6; 15-MAY-2010 22:17:43; Dark ; 30.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 60; 0;42912
7; 1021.3; 15-MAY-2010 22:19:14; Dark ; 58.0; 25; 35Lam Sco ; 1.62; 28000;occ; 116; 0;42912
8; 1162.9; 15-MAY-2010 22:21:35; Dark ; 53.0; 75; 26Eps Sco ; 2.29; 4250;occ; 106; 0;42912
9; 1348.9; 15-MAY-2010 22:24:41; Dark ; 60.0; 16; 21Alp Sco ; 1.02; 3000;occ; 120; 0;42912
10; 1506.3; 15-MAY-2010 22:27:19; Bright; 45.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 91; 0;42912
11; 1727.0; 15-MAY-2010 22:30:59; Bright; 39.5; 104; 27Bet Lib ; 2.61; 13100;occ; 79; 0;42912
12; 1857.4; 15-MAY-2010 22:33:10; Bright; 50.5; 120; 1Del Oph ; 2.73; 3200;occ; 101; 0;42912
13; 2048.0; 15-MAY-2010 22:36:20; Bright; 44.5; 102; 24Alp Ser ; 2.60; 4250;occ; 89; 0;42912
14; 2382.9; 15-MAY-2010 22:41:55; Bright; 40.0; 83; ; 2.38; 11000;occ; 80; 0;42912
15; 2571.3; 15-MAY-2010 22:45:04; Bright; 38.5; 180; 27Gam Boo ; 3.04; 8000;occ; 77; 0;42912
16; 3093.7; 15-MAY-2010 22:53:46; Bright; 61.0; 119; 14Eta Dra ; 2.73; 4700;occ; 122; 0;42912
17; 3750.1; 15-MAY-2010 23:04:42; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;42912
18; 3961.8; 15-MAY-2010 23:08:14; Bright; 55.0; 74; 11Bet Cas ; 2.27; 6600;occ; 110; 0;42912
19; 4513.6; 15-MAY-2010 23:17:26; Dark ; 45.0; 58; 21Alp And ; 2.07; 11000;occ; 90; 0;42912
20; 4762.6; 15-MAY-2010 23:21:35; Dark ; 44.0; 140; 88Gam Peg ; 2.83; 26000;occ; 88; 0;42912
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4; 324.4; 15-MAY-2010 23:48:13; Dark ; 51.0; 45; Alp Pav ; 1.94; 26000;occ; 102; 0;42913
5; 756.8; 15-MAY-2010 23:55:25; Dark ; 43.5; 141; Bet Ara ; 2.84; 4600;occ; 87; 0;42913
6; 931.6; 15-MAY-2010 23:58:20; Dark ; 30.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 60; 0;42913
7; 1022.1; 15-MAY-2010 23:59:50; Dark ; 54.0; 25; 35Lam Sco ; 1.62; 28000;occ; 108; 0;42913
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9; 1349.3; 16-MAY-2010 00:05:17; Dark ; 63.0; 16; 21Alp Sco ; 1.02; 3000;occ; 126; 0;42913
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11; 1727.3; 16-MAY-2010 00:11:35; Bright; 40.0; 104; 27Bet Lib ; 2.61; 13100;occ; 80; 0;42913
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 13; 2047.9; 16-MAY-2010 00:16:56; Bright; 44.5; 102; 24Alp Ser ; 2.60; 4250;occ; 89; 0;42913
 14; 2383.2; 16-MAY-2010 00:22:31; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;42913
 15; 2570.9; 16-MAY-2010 00:25:39; Bright; 38.0; 180; 27Gam Boo ; 3.04; 8000;occ; 76; 0;42913
 16; 3092.9; 16-MAY-2010 00:34:21; Bright; 43.0; 119; 14Eta Dra ; 2.73; 4700;occ; 86; 0;42913
 17; 3749.7; 16-MAY-2010 00:45:18; Bright; 46.0; 89; 5Alp Cep ; 2.45; 8000;occ; 92; 0;42913
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 19; 4514.0; 16-MAY-2010 00:58:02; Dark ; 44.0; 58; 21Alp And ; 2.07; 11000;occ; 88; 0;42913
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 5; 757.2; 16-MAY-2010 01:36:01; Dark ; 46.0; 141; Bet Ara ; 2.84; 4600;occ; 92; 0;42914
 6; 932.4; 16-MAY-2010 01:38:56; Dark ; 32.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 64; 0;42914
 7; 1022.8; 16-MAY-2010 01:40:27; Dark ; 53.0; 25; 35Lam Sco ; 1.62; 28000;occ; 106; 0;42914
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 9; 1349.7; 16-MAY-2010 01:45:54; Dark ; 57.5; 16; 21Alp Sco ; 1.02; 3000;occ; 115; 0;42914
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 14; 2382.8; 16-MAY-2010 02:03:07; Bright; 38.5; 83; ; 2.38; 11000;occ; 77; 0;42914
 15; 2570.8; 16-MAY-2010 02:06:15; Bright; 54.0; 180; 27Gam Boo ; 3.04; 8000;occ; 108; 0;42914
 16; 3092.7; 16-MAY-2010 02:14:57; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;42914
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 18; 3961.6; 16-MAY-2010 02:29:26; Bright; 41.0; 74; 11Bet Cas ; 2.27; 6600;occ; 82; 0;42914
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 20; 4763.2; 16-MAY-2010 02:42:47; Dark ; 43.5; 140; 88Gam Peg ; 2.83; 26000;occ; 87; 0;42914
 21; 4861.5; 16-MAY-2010 02:44:25; Dark ; 56.0; 90; 54Alp Peg ; 2.49; 11000;occ; 112; 0;42914
 22; 5678.8; 16-MAY-2010 02:58:03; Dark ; 47.0; 18; 24Alp PsA ; 1.17; 9700;occ; 94; 0;42914
 23; 5827.3; 16-MAY-2010 03:00:31; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42914
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 26; 6794.1; 16-MAY-2010 03:16:38; Dark ; 46.0; 141; Bet Ara ; 2.84; 4600;occ; 92; 0;42915
 27; 6969.1; 16-MAY-2010 03:19:33; Dark ; 32.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 64; 0;42915
 28; 7059.2; 16-MAY-2010 03:21:03; Dark ; 56.0; 25; 35Lam Sco ; 1.62; 28000;occ; 112; 0;42915
 29; 7200.0; 16-MAY-2010 03:23:24; Dark ; 55.0; 75; 26Eps Sco ; 2.29; 4250;occ; 110; 0;42915
 30; 7386.2; 16-MAY-2010 03:26:30; Dark ; 56.0; 16; 21Alp Sco ; 1.02; 3000;occ; 112; 0;42915
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 6; 3083.3; 17-MAY-2010 11:46:46; Bright; 43.0; 119; 14Eta Dra ; 2.73; 4700;occ; 86; 0;42934
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 13; 5845.3; 17-MAY-2010 12:32:48; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42934
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 18; 6987.5; 17-MAY-2010 12:51:50; Dark ; 53.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 106; 0;42935
 19; 7072.0; 17-MAY-2010 12:53:15; Dark ; 52.0; 25; 35Lam Sco ; 1.62; 28000;occ; 104; 0;42935
 20; 7209.0; 17-MAY-2010 12:55:32; Dark ; 52.5; 75; 26Eps Sco ; 2.29; 4250;occ; 105; 0;42935
 21; 7392.1; 17-MAY-2010 12:58:35; Dark ; 56.0; 16; 21Alp Sco ; 1.02; 3000;occ; 112; 0;42935
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 5; 2568.0; 17-MAY-2010 13:18:46; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;42935
 6; 3083.0; 17-MAY-2010 13:27:21; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;42935
 7; 3740.0; 17-MAY-2010 13:38:18; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;42935
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 11; 4873.0; 17-MAY-2010 13:57:11; Dark ; 53.5; 90; 54Alp Peg ; 2.49; 11000;occ; 107; 0;42935
 12; 5696.0; 17-MAY-2010 14:10:54; Dark ; 52.0; 18; 24Alp PsA ; 1.17; 9700;occ; 104; 0;42935
 13; 5846.3; 17-MAY-2010 14:13:25; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42935
 14; 5953.5; 17-MAY-2010 14:15:12; Dark ; 58.0; 63; Bet Gru ; 2.15; 2800;occ; 116; 0;42935
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 16; 6376.6; 17-MAY-2010 14:22:15; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;42936
 17; 6804.3; 17-MAY-2010 14:29:23; Dark ; 48.5; 141; Bet Ara ; 2.84; 4600;occ; 97; 0;42936
 18; 6988.8; 17-MAY-2010 14:32:27; Dark ; 55.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 110; 0;42936
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 20; 7209.4; 17-MAY-2010 14:36:08; Dark ; 49.5; 75; 26Eps Sco ; 2.29; 4250;occ; 99; 0;42936
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 3; 1852.5; 17-MAY-2010 14:47:27; Bright; 48.5; 120; 1Del Oph ; 2.73; 3200;occ; 97; 0;42936
 4; 2041.8; 17-MAY-2010 14:50:36; Bright; 43.0; 102; 24Alp Ser ; 2.60; 4250;occ; 86; 0;42936
 5; 2379.1; 17-MAY-2010 14:56:13; Bright; 37.5; 83; ; 2.38; 11000;occ; 75; 0;42936
 6; 2567.7; 17-MAY-2010 14:59:22; Bright; 38.0; 180; 27Gam Boo ; 3.04; 8000;occ; 76; 0;42936
 7; 3082.8; 17-MAY-2010 15:07:57; Bright; 37.0; 119; 14Eta Dra ; 2.73; 4700;occ; 74; 0;42936
 8; 3739.3; 17-MAY-2010 15:18:54; Bright; 47.0; 89; 5Alp Cep ; 2.45; 8000;occ; 94; 0;42936
 9; 3960.5; 17-MAY-2010 15:22:35; Bright; 55.0; 74; 11Bet Cas ; 2.27; 6600;occ; 110; 0;42936
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 11; 4770.0; 17-MAY-2010 15:36:04; Dark ; 41.5; 140; 88Gam Peg ; 2.83; 26000;occ; 83; 0;42936
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 17; 6377.6; 17-MAY-2010 16:02:52; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;42937
 18; 6805.2; 17-MAY-2010 16:10:00; Dark ; 40.5; 141; Bet Ara ; 2.84; 4600;occ; 81; 0;42937
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 21; 7210.1; 17-MAY-2010 16:16:44; Dark ; 51.0; 75; 26Eps Sco ; 2.29; 4250;occ; 102; 0;42937

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 4; 1852.4; 17-MAY-2010 16:28:03; Bright; 48.5; 120; 1Del Oph ; 2.73; 3200;occ; 97; 0;42937
 5; 2041.6; 17-MAY-2010 16:31:12; Bright; 43.5; 102; 24Alp Ser ; 2.60; 4250;occ; 87; 0;42937
 6; 2378.8; 17-MAY-2010 16:36:49; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;42937
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 17; 6046.3; 17-MAY-2010 17:37:57; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;42938
 18; 6378.5; 17-MAY-2010 17:43:29; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;42938
 19; 6805.5; 17-MAY-2010 17:50:36; Dark ; 50.0; 141; Bet Ara ; 2.84; 4600;occ; 100; 0;42938
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 6; 1852.2; 17-MAY-2010 18:08:39; Bright; 48.5; 120; 1Del Oph ; 2.73; 3200;occ; 97; 0;42938
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 8; 2378.9; 17-MAY-2010 18:17:25; Bright; 40.5; 83; ; 2.38; 11000;occ; 81; 0;42938
 9; 2567.5; 17-MAY-2010 18:20:34; Bright; 36.0; 180; 27Gam Boo ; 3.04; 8000;occ; 72; 0;42938
 10; 3081.5; 17-MAY-2010 18:29:08; Bright; 43.5; 119; 14Eta Dra ; 2.73; 4700;occ; 87; 0;42938
 11; 3738.1; 17-MAY-2010 18:40:04; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;42938
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 13; 4518.1; 17-MAY-2010 18:53:04; Dark ; 45.0; 58; 21Alp And ; 2.07; 11000;occ; 90; 0;42938
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 16; 5698.4; 17-MAY-2010 19:12:45; Dark ; 49.0; 18; 24Alp PsA ; 1.17; 9700;occ; 98; 0;42938
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 18; 5955.7; 17-MAY-2010 19:17:02; Dark ; 58.0; 63; Bet Gru ; 2.15; 2800;occ; 116; 0;42938
 19; 6047.2; 17-MAY-2010 19:18:34; Dark ; 41.0; 31; Alp Gru ; 1.73; 15200;occ; 82; 0;42939
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 21; 6805.9; 17-MAY-2010 19:31:12; Dark ; 51.5; 141; Bet Ara ; 2.84; 4600;occ; 103; 0;42939
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 6; 771.3; 18-MAY-2010 00:33:01; Dark ; 43.5; 141; Bet Ara ; 2.84; 4600;occ; 87; 0;42942
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 11; 1511.3; 18-MAY-2010 00:45:21; Bright; 46.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 93; 0;42942
 12; 1728.4; 18-MAY-2010 00:48:58; Bright; 40.0; 104; 27Bet Lib ; 2.61; 13100;occ; 80; 0;42942
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6; 774.6; 18-MAY-2010 02:13:40; Dark ; 46.0; 141; Bet Ara ; 2.84; 4600;occ; 92; 0;42943
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 6; 3174.7; 21-MAY-2010 13:03:01; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;42992
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17; 3055.8; 21-MAY-2010 23:04:38; Bright; 41.5; 119; 14Eta Dra ; 2.73; 4700;occ; 83; 0;42998

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 8; 799.5; 22-MAY-2010 03:28:49; Dark ; 47.5; 141; Bet Ara ; 2.84; 4600;occ; 95; 0;43001
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14; 1732.3; 22-MAY-2010 03:44:22; Bright; 38.5; 104; 27Bet Lib ; 2.61; 13100;occ; 77; 0;43001
15; 1843.1; 22-MAY-2010 03:46:13; Bright; 45.0; 120; 1Del Oph ; 2.73; 3200;occ; 90; 0;43001
16; 2028.5; 22-MAY-2010 03:49:18; Bright; 40.5; 102; 24Alp Ser ; 2.60; 4250;occ; 81; 0;43001
17; 2371.5; 22-MAY-2010 03:55:01; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;43001
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19; 3054.8; 22-MAY-2010 04:06:24; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;43001
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 17; 2371.5; 22-MAY-2010 05:35:37; Bright; 53.0; 83; ; 2.38; 11000;occ; 106; 0;43002
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 16; 6425.3; 22-MAY-2010 08:23:47; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;43004
 17; 6836.9; 22-MAY-2010 08:30:38; Dark ; 45.5; 141; Bet Ara ; 2.84; 4600;occ; 91; 0;43004
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 22; 7557.4; 22-MAY-2010 08:42:39; Bright; 43.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 86; 0;43004
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 3; 2027.9; 22-MAY-2010 08:51:05; Bright; 40.5; 102; 24Alp Ser ; 2.60; 4250;occ; 81; 0;43004
 4; 2371.1; 22-MAY-2010 08:56:49; Bright; 38.5; 83; ; 2.38; 11000;occ; 77; 0;43004
 5; 2560.8; 22-MAY-2010 08:59:58; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;43004
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 7; 3173.9; 22-MAY-2010 09:10:11; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;43004
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 16; 6425.8; 22-MAY-2010 10:04:23; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43005
 17; 6837.3; 22-MAY-2010 10:11:15; Dark ; 44.0; 141; Bet Ara ; 2.84; 4600;occ; 88; 0;43005
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 3; 2027.4; 22-MAY-2010 10:31:41; Bright; 40.5; 102; 24Alp Ser ; 2.60; 4250;occ; 81; 0;43005
 4; 2371.1; 22-MAY-2010 10:37:24; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;43005
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 6; 3053.1; 22-MAY-2010 10:48:46; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;43005
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 16; 6426.4; 22-MAY-2010 11:45:00; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;43006
 17; 6837.5; 22-MAY-2010 11:51:51; Dark ; 43.5; 141; Bet Ara ; 2.84; 4600;occ; 87; 0;43006
 18; 7002.4; 22-MAY-2010 11:54:36; Dark ; 50.5; 40; The Sco ; 1.86; 7100;occ; 101; 0;43006
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 4; 2371.0; 22-MAY-2010 12:18:00; Bright; 40.5; 83; ; 2.38; 11000;occ; 81; 0;43006
 5; 2560.8; 22-MAY-2010 12:21:10; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;43006
 6; 3052.7; 22-MAY-2010 12:29:22; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;43006
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 9; 4009.4; 22-MAY-2010 12:45:19; Bright; 55.0; 68; 18Alp Cas ; 2.22; 4500;occ; 110; 0;43006
 10; 4529.8; 22-MAY-2010 12:53:59; Dark ; 48.5; 58; 21Alp And ; 2.07; 11000;occ; 97; 0;43006

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16; 6426.9; 22-MAY-2010 13:25:36; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;43007
17; 6838.3; 22-MAY-2010 13:32:27; Dark ; 43.5; 141; Bet Ara ; 2.84; 4600;occ; 87; 0;43007
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 3; 1842.1; 22-MAY-2010 13:49:47; Bright; 44.5; 120; 1Del Oph ; 2.73; 3200;occ; 89; 0;43007
 4; 2027.3; 22-MAY-2010 13:52:52; Bright; 40.5; 102; 24Alp Ser ; 2.60; 4250;occ; 81; 0;43007
 5; 2371.2; 22-MAY-2010 13:58:36; Bright; 40.0; 83; ; 2.38; 11000;occ; 80; 0;43007
 6; 2561.0; 22-MAY-2010 14:01:46; Bright; 37.0; 180; 27Gam Boo ; 3.04; 8000;occ; 74; 0;43007
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10; 4009.5; 22-MAY-2010 14:25:55; Bright; 52.0; 68; 18Alp Cas ; 2.22; 4500;occ; 104; 0;43007
11; 4529.9; 22-MAY-2010 14:34:35; Dark ; 48.5; 58; 21Alp And ; 2.07; 11000;occ; 97; 0;43007
12; 4793.8; 22-MAY-2010 14:38:59; Dark ; 46.5; 140; 88Gam Peg ; 2.83; 26000;occ; 93; 0;43007
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 4; 1842.1; 22-MAY-2010 15:30:23; Bright; 44.5; 120; 1Del Oph ; 2.73; 3200;occ; 89; 0;43008
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13;	4530.0;	22-MAY-2010	17:55:47;	Dark	; 50.0;	58;	21Alp And	; 2.07;	11000;occ;	100;	0;43009
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7;	2026.8;	22-MAY-2010	18:54:40;	Bright;	40.0;	102;	24Alp Ser	; 2.60;	4250;occ;	80;	0;43010
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9;	2560.5;	22-MAY-2010	19:03:33;	Bright;	36.5;	180;	27Gam Boo	; 3.04;	8000;occ;	73;	0;43010
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 3; 1734.1; 23-MAY-2010 16:37:34; Bright; 38.0; 104; 27Bet Lib ; 2.61; 13100;occ; 76; 0;43023
 4; 1840.3; 23-MAY-2010 16:39:20; Bright; 44.5; 120; 1Del Oph ; 2.73; 3200;occ; 89; 0;43023
 5; 2024.9; 23-MAY-2010 16:42:25; Bright; 40.0; 102; 24Alp Ser ; 2.60; 4250;occ; 80; 0;43023
 6; 2370.2; 23-MAY-2010 16:48:10; Bright; 35.0; 83; ; 2.38; 11000;occ; 70; 0;43023
 7; 3045.9; 23-MAY-2010 16:59:26; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;43023
 8; 3172.3; 23-MAY-2010 17:01:32; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;43023
 9; 3936.8; 23-MAY-2010 17:14:17; Bright; 34.5; 76; 27Gam Cas ; 2.30; 30000;occ; 69; 0;43023
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13; 4799.5; 23-MAY-2010 17:28:39; Dark ; 47.0; 140; 88Gam Peg ; 2.83; 26000;occ; 94; 0;43023
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17; 6108.1; 23-MAY-2010 17:50:28; Dark ; 48.5; 172; Gam Gru ; 3.00; 13100;occ; 97; 0;43024
18; 6439.2; 23-MAY-2010 17:55:59; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43024
19; 6846.0; 23-MAY-2010 18:02:46; Dark ; 40.0; 141; Bet Ara ; 2.84; 4600;occ; 80; 0;43024
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 5; 1524.7; 23-MAY-2010 18:14:41; Bright; 42.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 84; 0;43024
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11; 3172.2; 23-MAY-2010 18:42:08; Bright; 35.0; 60; 7Bet UMi ; 2.08; 3950;occ; 70; 0;43024
12; 3936.4; 23-MAY-2010 18:54:52; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43024
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 4; 404.7; 23-MAY-2010 21:17:13; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;43026
 5; 810.6; 23-MAY-2010 21:23:58; Dark ; 46.5; 141; Bet Ara ; 2.84; 4600;occ; 93; 0;43026
 6; 977.3; 23-MAY-2010 21:26:45; Dark ; 49.0; 40; The Sco ; 1.86; 7100;occ; 98; 0;43026
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13; 2369.8; 23-MAY-2010 21:49:58; Bright; 41.0; 83; ; 2.38; 11000;occ; 82; 0;43026
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16; 3936.5; 23-MAY-2010 22:16:04; Bright; 37.5; 76; 27Gam Cas ; 2.30; 30000;occ; 75; 0;43026
17; 4008.5; 23-MAY-2010 22:17:16; Bright; 55.0; 68; 18Alp Cas ; 2.22; 4500;occ; 110; 0;43026
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19; 4533.1; 23-MAY-2010 22:26:01; Dark ; 51.5; 58; 21Alp And ; 2.07; 11000;occ; 103; 0;43026
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 14; 2370.0; 23-MAY-2010 23:30:34; Bright; 36.0; 83; ; 2.38; 11000;occ; 72; 0;43027
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 16; 3171.9; 23-MAY-2010 23:43:56; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;43027
 17; 3936.3; 23-MAY-2010 23:56:40; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43027
 18; 4008.5; 23-MAY-2010 23:57:52; Bright; 55.0; 68; 18Alp Cas ; 2.22; 4500;occ; 110; 0;43027
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 5; 811.6; 24-MAY-2010 00:45:11; Dark ; 44.0; 141; Bet Ara ; 2.84; 4600;occ; 88; 0;43028
 6; 978.6; 24-MAY-2010 00:47:58; Dark ; 53.0; 40; The Sco ; 1.86; 7100;occ; 106; 0;43028
 7; 1089.1; 24-MAY-2010 00:49:49; Dark ; 49.5; 25; 35Lam Sco ; 1.62; 28000;occ; 99; 0;43028
 8; 1211.2; 24-MAY-2010 00:51:51; Dark ; 53.5; 75; 26Eps Sco ; 2.29; 4250;occ; 107; 0;43028
 9; 1381.7; 24-MAY-2010 00:54:41; Dark ; 50.0; 16; 21Alp Sco ; 1.02; 3000;occ; 100; 0;43028
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 14; 2369.9; 24-MAY-2010 01:11:09; Bright; 39.5; 83; ; 2.38; 11000;occ; 79; 0;43028
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 16; 3171.7; 24-MAY-2010 01:24:31; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;43028
 17; 3936.5; 24-MAY-2010 01:37:16; Bright; 50.0; 76; 27Gam Cas ; 2.30; 30000;occ; 100; 0;43028
 18; 4008.4; 24-MAY-2010 01:38:28; Bright; 55.0; 68; 18Alp Cas ; 2.22; 4500;occ; 110; 0;43028
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 5; 406.7; 24-MAY-2010 02:19:02; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43029
 6; 812.0; 24-MAY-2010 02:25:47; Dark ; 43.0; 141; Bet Ara ; 2.84; 4600;occ; 86; 0;43029
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 13; 1839.7; 24-MAY-2010 02:42:55; Bright; 45.0; 120; 1Del Oph ; 2.73; 3200;occ; 90; 0;43029
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 15; 2369.7; 24-MAY-2010 02:51:45; Bright; 39.5; 83; ; 2.38; 11000;occ; 79; 0;43029
 16; 3043.3; 24-MAY-2010 03:02:59; Bright; 37.0; 119; 14Eta Dra ; 2.73; 4700;occ; 74; 0;43029
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 4; -1502.3; 24-MAY-2010 03:27:49; Dark ; 47.5; 58; 21Alp And ; 2.07; 11000;occ; 95; 0;43029
 5; -1234.2; 24-MAY-2010 03:32:17; Dark ; 46.5; 140; 88Gam Peg ; 2.83; 26000;occ; 93; 0;43029

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 9; 4534.8; 24-MAY-2010 13:31:26; Dark ; 49.0; 58; 21Alp And ; 2.07; 11000;occ; 98; 0;43035
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 13; 6024.8; 24-MAY-2010 13:56:16; Dark ; 49.0; 63; Bet Gru ; 2.15; 2800;occ; 98; 0;43035
 14; 6126.7; 24-MAY-2010 13:57:58; Dark ; 45.5; 31; Alp Gru ; 1.73; 15200;occ; 91; 0;43036
 15; 6447.5; 24-MAY-2010 14:03:18; Dark ; 46.5; 45; Alp Pav ; 1.94; 26000;occ; 93; 0;43036
 16; 6851.0; 24-MAY-2010 14:10:02; Dark ; 44.0; 141; Bet Ara ; 2.84; 4600;occ; 88; 0;43036
 17; 7018.8; 24-MAY-2010 14:12:50; Dark ; 50.0; 40; The Sco ; 1.86; 7100;occ; 100; 0;43036
 18; 7129.0; 24-MAY-2010 14:14:40; Dark ; 51.0; 25; 35Lam Sco ; 1.62; 28000;occ; 102; 0;43036
 19; 7249.8; 24-MAY-2010 14:16:41; Dark ; 50.0; 75; 26Eps Sco ; 2.29; 4250;occ; 100; 0;43036
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 6; 3041.0; 24-MAY-2010 14:47:08; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;43036
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 14; 5862.2; 24-MAY-2010 15:34:09; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43036
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 16; 6127.7; 24-MAY-2010 15:38:35; Dark ; 44.5; 31; Alp Gru ; 1.73; 15200;occ; 89; 0;43037
 17; 6448.4; 24-MAY-2010 15:43:55; Dark ; 43.5; 45; Alp Pav ; 1.94; 26000;occ; 87; 0;43037
 18; 6851.5; 24-MAY-2010 15:50:38; Dark ; 43.0; 141; Bet Ara ; 2.84; 4600;occ; 86; 0;43037
 19; 7019.5; 24-MAY-2010 15:53:26; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;43037
 20; 7129.7; 24-MAY-2010 15:55:17; Dark ; 48.0; 25; 35Lam Sco ; 1.62; 28000;occ; 96; 0;43037
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 3; 1735.3; 24-MAY-2010 16:05:58; Bright; 38.5; 104; 27Bet Lib ; 2.61; 13100;occ; 77; 0;43037
 4; 1839.1; 24-MAY-2010 16:07:42; Bright; 44.5; 120; 1Del Oph ; 2.73; 3200;occ; 89; 0;43037
 5; 2023.2; 24-MAY-2010 16:10:46; Bright; 40.0; 102; 24Alp Ser ; 2.60; 4250;occ; 80; 0;43037
 6; 3040.4; 24-MAY-2010 16:27:43; Bright; 42.0; 119; 14Eta Dra ; 2.73; 4700;occ; 84; 0;43037
 7; 3171.2; 24-MAY-2010 16:29:54; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;43037
 8; 3936.3; 24-MAY-2010 16:42:39; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43037
 9; 4008.0; 24-MAY-2010 16:43:51; Bright; 55.0; 68; 18Alp Cas ; 2.22; 4500;occ; 110; 0;43037
 10; 4382.4; 24-MAY-2010 16:50:05; Bright; 38.5; 53; 43Bet And ; 2.05; 3300;occ; 77; 0;43037
 11; 4535.0; 24-MAY-2010 16:52:38; Dark ; 49.5; 58; 21Alp And ; 2.07; 11000;occ; 99; 0;43037
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 16; 6128.7; 24-MAY-2010 17:19:12; Dark ; 43.5; 31; Alp Gru ; 1.73; 15200;occ; 87; 0;43038
 17; 6449.0; 24-MAY-2010 17:24:32; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43038
 18; 6852.2; 24-MAY-2010 17:31:15; Dark ; 41.5; 141; Bet Ara ; 2.84; 4600;occ; 83; 0;43038
 19; 7019.9; 24-MAY-2010 17:34:03; Dark ; 49.0; 40; The Sco ; 1.86; 7100;occ; 98; 0;43038

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 3; 1214.6; 24-MAY-2010 17:37:53; Dark ; 48.5; 75; 26Eps Sco ; 2.29; 4250;occ; 97; 0;43038
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 6; 1735.5; 24-MAY-2010 17:46:34; Bright; 38.5; 104; 27Bet Lib ; 2.61; 13100;occ; 77; 0;43038
 7; 1839.1; 24-MAY-2010 17:48:18; Bright; 43.5; 120; 1Del Oph ; 2.73; 3200;occ; 87; 0;43038
 8; 2022.8; 24-MAY-2010 17:51:22; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;43038
 9; 2369.4; 24-MAY-2010 17:57:08; Bright; 40.0; 83; ; 2.38; 11000;occ; 80; 0;43038
 10; 3040.1; 24-MAY-2010 18:08:19; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;43038
 11; 3171.1; 24-MAY-2010 18:10:30; Bright; 34.5; 60; 7Bet UMi ; 2.08; 3950;occ; 69; 0;43038
 12; 3935.9; 24-MAY-2010 18:23:15; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43038
 13; 4007.9; 24-MAY-2010 18:24:27; Bright; 53.0; 68; 18Alp Cas ; 2.22; 4500;occ; 106; 0;43038
 14; 4382.5; 24-MAY-2010 18:30:41; Bright; 38.5; 53; 43Bet And ; 2.05; 3300;occ; 77; 0;43038

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21; 6450.0; 24-MAY-2010 19:05:09; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;43039
22; 6852.5; 24-MAY-2010 19:11:51; Dark ; 47.0; 141; Bet Ara ; 2.84; 4600;occ; 94; 0;43039
23; 7020.6; 24-MAY-2010 19:14:39; Dark ; 46.5; 40; The Sco ; 1.86; 7100;occ; 93; 0;43039
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 3; 1214.8; 24-MAY-2010 19:18:30; Dark ; 49.0; 75; 26Eps Sco ; 2.29; 4250;occ; 98; 0;43039
 4; 1384.8; 24-MAY-2010 19:21:20; Dark ; 54.0; 16; 21Alp Sco ; 1.02; 3000;occ; 108; 0;43039
 5; 1527.1; 24-MAY-2010 19:23:42; Bright; 41.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 83; 0;43039
 6; 1735.6; 24-MAY-2010 19:27:10; Bright; 38.0; 104; 27Bet Lib ; 2.61; 13100;occ; 76; 0;43039
 7; 1838.9; 24-MAY-2010 19:28:54; Bright; 43.5; 120; 1Del Oph ; 2.73; 3200;occ; 87; 0;43039
 8; 2022.6; 24-MAY-2010 19:31:57; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;43039
 9; 2369.6; 24-MAY-2010 19:37:44; Bright; 35.5; 83; ; 2.38; 11000;occ; 71; 0;43039
10; 3039.7; 24-MAY-2010 19:48:55; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;43039
11; 3171.2; 24-MAY-2010 19:51:06; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;43039
12; 3936.0; 24-MAY-2010 20:03:51; Bright; 42.0; 76; 27Gam Cas ; 2.30; 30000;occ; 84; 0;43039
13; 4007.8; 24-MAY-2010 20:05:03; Bright; 35.5; 68; 18Alp Cas ; 2.22; 4500;occ; 71; 0;43039
14; 4382.5; 24-MAY-2010 20:11:17; Bright; 39.0; 53; 43Bet And ; 2.05; 3300;occ; 78; 0;43039
15; 4535.6; 24-MAY-2010 20:13:50; Dark ; 48.0; 58; 21Alp And ; 2.07; 11000;occ; 96; 0;43039
16; 4805.2; 24-MAY-2010 20:18:20; Dark ; 47.0; 140; 88Gam Peg ; 2.83; 26000;occ; 94; 0;43039
17; 5335.5; 24-MAY-2010 20:27:10; Dark ; 48.5; 52; 16Bet Cet ; 2.04; 4500;occ; 97; 0;43039
18; 5860.5; 24-MAY-2010 20:35:55; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43039
19; 6027.6; 24-MAY-2010 20:38:42; Dark ; 56.5; 63; Bet Gru ; 2.15; 2800;occ; 113; 0;43039
20; 6130.5; 24-MAY-2010 20:40:25; Dark ; 43.5; 31; Alp Gru ; 1.73; 15200;occ; 87; 0;43040
21; 6450.5; 24-MAY-2010 20:45:45; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43040
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 5; 416.4; 25-MAY-2010 01:47:35; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43043
 6; 818.1; 25-MAY-2010 01:54:16; Dark ; 43.0; 141; Bet Ara ; 2.84; 4600;occ; 86; 0;43043
 7; 986.4; 25-MAY-2010 01:57:05; Dark ; 47.5; 40; The Sco ; 1.86; 7100;occ; 95; 0;43043
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12; 1736.0; 25-MAY-2010 02:09:34; Bright; 36.5; 104; 27Bet Lib ; 2.61; 13100;occ; 73; 0;43043
13; 1838.6; 25-MAY-2010 02:11:17; Bright; 44.5; 120; 1Del Oph ; 2.73; 3200;occ; 89; 0;43043
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15; 2369.1; 25-MAY-2010 02:20:07; Bright; 39.5; 83; ; 2.38; 11000;occ; 79; 0;43043
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16; 1527.8; 25-MAY-2010 03:46:42; Bright; 43.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 86; 0;43044
17; 1736.1; 25-MAY-2010 03:50:10; Bright; 38.0; 104; 27Bet Lib ; 2.61; 13100;occ; 76; 0;43044

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 5; 425.1; 25-MAY-2010 21:54:55; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43055
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 7; 993.1; 25-MAY-2010 22:04:23; Dark ; 47.0; 40; The Sco ; 1.86; 7100;occ; 94; 0;43055
 8; 1103.0; 25-MAY-2010 22:06:13; Dark ; 48.0; 25; 35Lam Sco ; 1.62; 28000;occ; 96; 0;43055
 9; 1220.8; 25-MAY-2010 22:08:10; Dark ; 49.0; 75; 26Eps Sco ; 2.29; 4250;occ; 98; 0;43055
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 3; 4.0; 25-MAY-2010 23:28:29; Dark ; 45.5; 63; Bet Gru ; 2.15; 2800;occ; 91; 0;43055
 4; 108.3; 25-MAY-2010 23:30:14; Dark ; 43.5; 31; Alp Gru ; 1.73; 15200;occ; 87; 0;43056
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21; 4538.7; 26-MAY-2010 00:44:04; Dark ; 49.0; 58; 21Alp And ; 2.07; 11000;occ; 98; 0;43056
22; 4811.9; 26-MAY-2010 00:48:37; Dark ; 44.5; 140; 88Gam Peg ; 2.83; 26000;occ; 89; 0;43056
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 3; 820.4; 25-MAY-2010 10:17:18; Dark ; 41.5; 141; Bet Ara ; 2.84; 4600;occ; 83; 0;43048
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 5; 1101.2; 25-MAY-2010 10:21:59; Dark ; 46.0; 115; 34Ups Sco ; 2.70; 26000;occ; 92; 0;43048
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3; 2021.6; 25-MAY-2010 10:37:20; Bright; 38.5; 102; 24Alp Ser ; 2.60; 4250;occ; 77; 0;43048
4; 2368.7; 25-MAY-2010 10:43:07; Bright; 39.0; 83; ; 2.38; 11000;occ; 78; 0;43048
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6; 3170.7; 25-MAY-2010 10:56:29; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;43048
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16; 6456.6; 25-MAY-2010 11:51:15; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;43049
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3; 2021.5; 25-MAY-2010 12:17:55; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;43049
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19; 7136.2; 25-MAY-2010 13:43:10; Dark ; 49.5; 25; 35Lam Sco ; 1.62; 28000;occ; 99; 0;43050
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5; 2368.8; 25-MAY-2010 14:04:19; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;43050
6; 3035.6; 25-MAY-2010 14:15:25; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;43050
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16; 6458.4; 25-MAY-2010 15:12:28; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;43051
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 16; 5868.0; 25-MAY-2010 18:23:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43052
 17; 6038.0; 25-MAY-2010 18:26:40; Dark ; 46.5; 63; Bet Gru ; 2.15; 2800;occ; 93; 0;43052
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 19; 6459.8; 25-MAY-2010 18:33:42; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43053
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 3; 1220.3; 25-MAY-2010 18:46:58; Dark ; 46.5; 75; 26Eps Sco ; 2.29; 4250;occ; 93; 0;43053
 4; 1388.6; 25-MAY-2010 18:49:46; Dark ; 54.0; 16; 21Alp Sco ; 1.02; 3000;occ; 108; 0;43053
 5; 1529.5; 25-MAY-2010 18:52:07; Bright; 44.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 88; 0;43053
 6; 1737.1; 25-MAY-2010 18:55:35; Bright; 37.5; 104; 27Bet Lib ; 2.61; 13100;occ; 75; 0;43053


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12; 3935.5; 25-MAY-2010 19:32:13; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43053
13; 4007.0; 25-MAY-2010 19:33:25; Bright; 36.0; 68; 18Alp Cas ; 2.22; 4500;occ; 72; 0;43053
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6; 824.2; 26-MAY-2010 01:22:46; Dark ; 44.5; 141; Bet Ara ; 2.84; 4600;occ; 89; 0;43057
7; 993.8; 26-MAY-2010 01:25:35; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;43057
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10; 1349.8; 26-MAY-2010 01:31:31; Dark ; 44.5; 136; 23Tau Sco ; 2.82; 30000;occ; 89; 0;43057
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13; 1837.4; 26-MAY-2010 01:39:39; Bright; 43.0; 120; 1Del Oph ; 2.73; 3200;occ; 86; 0;43057
14; 2020.5; 26-MAY-2010 01:42:42; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;43057
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22; 4812.8; 26-MAY-2010 02:29:14; Dark ; 44.5; 140; 88Gam Peg ; 2.83; 26000;occ; 89; 0;43057
23; 5344.0; 26-MAY-2010 02:38:05; Dark ; 44.0; 52; 16Bet Cet ; 2.04; 4500;occ; 88; 0;43057
24; 5870.7; 26-MAY-2010 02:46:52; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43057
25; 6041.5; 26-MAY-2010 02:49:43; Dark ; 49.5; 63; Bet Gru ; 2.15; 2800;occ; 99; 0;43057
26; 6145.7; 26-MAY-2010 02:51:27; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;43058
27; 6462.9; 26-MAY-2010 02:56:44; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43058
28; 6860.4; 26-MAY-2010 03:03:22; Dark ; 46.0; 141; Bet Ara ; 2.84; 4600;occ; 92; 0;43058
29; 7030.3; 26-MAY-2010 03:06:12; Dark ; 46.5; 40; The Sco ; 1.86; 7100;occ; 93; 0;43058
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31; 7258.1; 26-MAY-2010 03:09:59; Dark ; 46.0; 75; 26Eps Sco ; 2.29; 4250;occ; 92; 0;43058
32; 7386.2; 26-MAY-2010 03:12:07; Dark ; 48.0; 136; 23Tau Sco ; 2.82; 30000;occ; 96; 0;43058
33; 7566.0; 26-MAY-2010 03:15:07; Bright; 40.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 81; 0;43058
34; 7773.2; 26-MAY-2010 03:18:35; Bright; 37.5; 104; 27Bet Lib ; 2.61; 13100;occ; 75; 0;43058
35; 8056.2; 26-MAY-2010 03:23:17; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;43058
36; 8419.9; 26-MAY-2010 03:29:21; Bright; 41.0; 67; 5Alp CrB ; 2.22; 11000;occ; 82; 0;43058

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8; 1837.4; 26-MAY-2010 01:39:39; Bright; 43.0; 120; 1Del Oph ; 2.73; 3200;occ; 86; 0;43057
9; 2020.5; 26-MAY-2010 01:42:42; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;43057
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11; 3033.3; 26-MAY-2010 01:59:35; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;43057
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13; 3935.2; 26-MAY-2010 02:14:36; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43057
14; 4006.7; 26-MAY-2010 02:15:48; Bright; 54.5; 68; 18Alp Cas ; 2.22; 4500;occ; 109; 0;43057

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 17; 4812.8; 26-MAY-2010 02:29:14; Dark ; 44.5; 140; 88Gam Peg ; 2.83; 26000;occ; 89; 0;43057
 18; 5344.0; 26-MAY-2010 02:38:05; Dark ; 44.0; 52; 16Bet Cet ; 2.04; 4500;occ; 88; 0;43057
 19; 5870.7; 26-MAY-2010 02:46:52; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43057
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 21; 6145.7; 26-MAY-2010 02:51:27; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;43058
 22; 6462.9; 26-MAY-2010 02:56:44; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43058
 23; 6860.4; 26-MAY-2010 03:03:22; Dark ; 46.0; 141; Bet Ara ; 2.84; 4600;occ; 92; 0;43058
 24; 7030.3; 26-MAY-2010 03:06:12; Dark ; 46.5; 40; The Sco ; 1.86; 7100;occ; 93; 0;43058
 25; 7140.2; 26-MAY-2010 03:08:02; Dark ; 48.0; 25; 35Lam Sco ; 1.62; 28000;occ; 96; 0;43058
 26; 7258.1; 26-MAY-2010 03:09:59; Dark ; 46.0; 75; 26Eps Sco ; 2.29; 4250;occ; 92; 0;43058
 27; 7386.2; 26-MAY-2010 03:12:07; Dark ; 48.0; 136; 23Tau Sco ; 2.82; 30000;occ; 96; 0;43058
 28; 7566.0; 26-MAY-2010 03:15:07; Bright; 40.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 81; 0;43058
 29; 7773.2; 26-MAY-2010 03:18:35; Bright; 37.5; 104; 27Bet Lib ; 2.61; 13100;occ; 75; 0;43058
 30; 8056.2; 26-MAY-2010 03:23:17; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;43058
 31; 8419.9; 26-MAY-2010 03:29:21; Bright; 11.5; 67; 5Alp CrB ; 2.22; 11000;occ; 23; 0;43058

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 3;-2100.6; 26-MAY-2010 03:55:13; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43058
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 5;-1651.2; 26-MAY-2010 04:02:42; Bright; 40.0; 53; 43Bet And ; 2.05; 3300;occ; 80; 0;43058
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 7;-1222.9; 26-MAY-2010 04:09:50; Dark ; 46.5; 140; 88Gam Peg ; 2.83; 26000;occ; 93; 0;43058
 8; -691.4; 26-MAY-2010 04:18:42; Dark ; 45.0; 52; 16Bet Cet ; 2.04; 4500;occ; 90; 0;43058
 9; -164.6; 26-MAY-2010 04:27:29; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43058
 10; 6.5; 26-MAY-2010 04:30:20; Dark ; 55.5; 63; Bet Gru ; 2.15; 2800;occ; 111; 0;43058
 11; 111.0; 26-MAY-2010 04:32:04; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;43059
 12; 427.8; 26-MAY-2010 04:37:21; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43059
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 14; 994.9; 26-MAY-2010 04:46:48; Dark ; 49.5; 40; The Sco ; 1.86; 7100;occ; 99; 0;43059
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 9; 111.4; 26-MAY-2010 06:12:41; Dark ; 46.5; 31; Alp Gru ; 1.73; 15200;occ; 93; 0;43060
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10; 429.3; 26-MAY-2010 07:58:34; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;43061
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15; 6466.5; 26-MAY-2010 11:19:48; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43063
16; 6862.5; 26-MAY-2010 11:26:24; Dark ; 40.0; 141; Bet Ara ; 2.84; 4600;occ; 80; 0;43063
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8; 4385.7; 26-MAY-2010 12:25:43; Bright; 39.5; 53; 43Bet And ; 2.05; 3300;occ; 79; 0;43063
9; 4540.3; 26-MAY-2010 12:28:17; Dark ; 48.0; 58; 21Alp And ; 2.07; 11000;occ; 96; 0;43063
10; 4815.9; 26-MAY-2010 12:32:53; Dark ; 44.0; 140; 88Gam Peg ; 2.83; 26000;occ; 88; 0;43063

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 4; 2020.5; 26-MAY-2010 13:26:53; Bright; 38.5; 102; 24Alp Ser ; 2.60; 4250;occ; 77; 0;43064
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 10; 2381.7; 26-MAY-2010 20:15:18; Bright; 40.5; 67; 5Alp CrB ; 2.22; 11000;occ; 81; 0;43068
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 5; 465.4; 29-MAY-2010 23:10:19; Dark ; 44.5; 45; Alp Pav ; 1.94; 26000;occ; 89; 0;43113
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24; 7622.7; 29-MAY-2010 10:04:13; Bright; 48.5; 86; 35Eta Oph ; 2.43; 10200;occ; 97; 0;43105
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