

GOMOS Daily Report 28-AUG-2009

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	31AUG2009 04:49:44
Data source version	GOMOS/5.00
Start time of products	28AUG2009 00:01:16
Stop time of products	28AUG2009 23:56:17
Store outputs in DB	Yes
Nb of level 1b prods	78
Nb of prods with errors	1

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

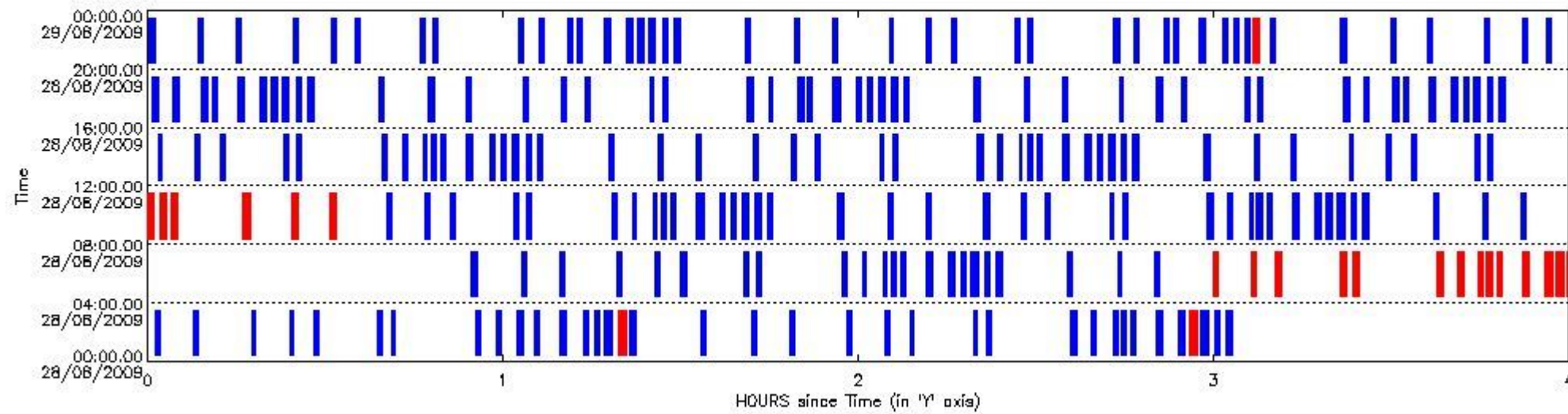
2.1 Level 0 products arrived in PCF (see template [here](#))

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
28-AUG-2009 01:19:30	9BetLep	139	39177
28-AUG-2009 02:55:58	53KapOri	56	39178
28-AUG-2009 06:59:52	34AlpAqr	162	39181
28-AUG-2009 07:06:15	54AlpPeg	90	39181
28-AUG-2009 07:10:24	44EtaPeg	164	39181
28-AUG-2009 07:21:12	11BetCas	74	39181
28-AUG-2009 07:23:23	27GamCas	76	39181
28-AUG-2009 07:37:42	13AlpAur	6	39181
28-AUG-2009 07:41:11	37TheAur	107	39181
28-AUG-2009 07:44:46	12BetTau	28	39181
28-AUG-2009 07:46:04	13MuGem	151	39181
28-AUG-2009 07:47:47	24GamGem	44	39181
28-AUG-2009 07:52:02	58AlpOri	14	39181
28-AUG-2009 07:55:54	46EpsOri	30	39181
28-AUG-2009 07:57:49	53KapOri	56	39181

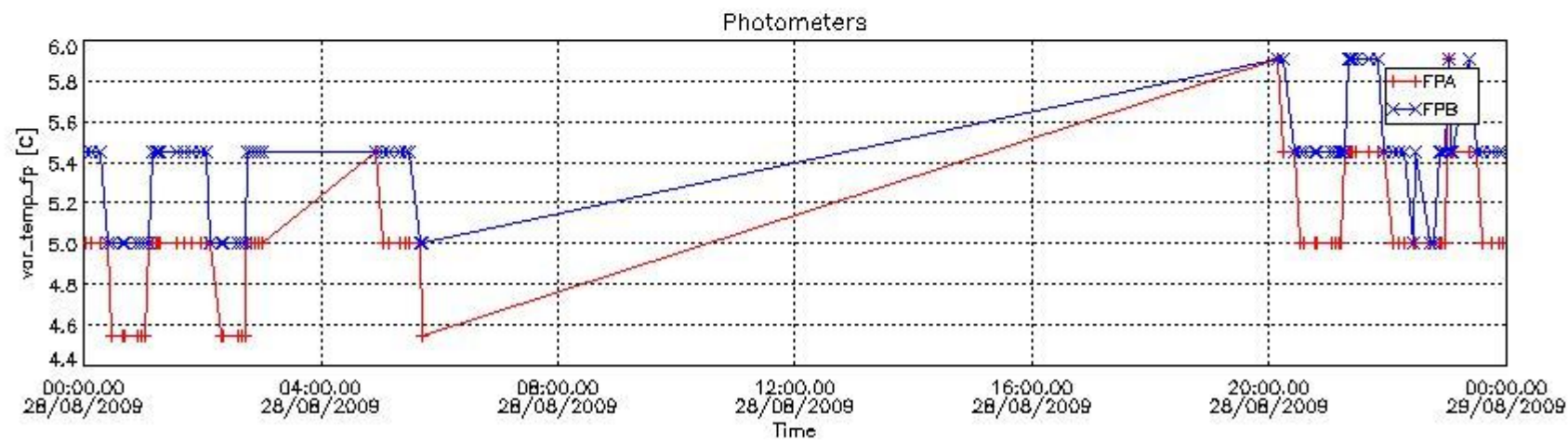
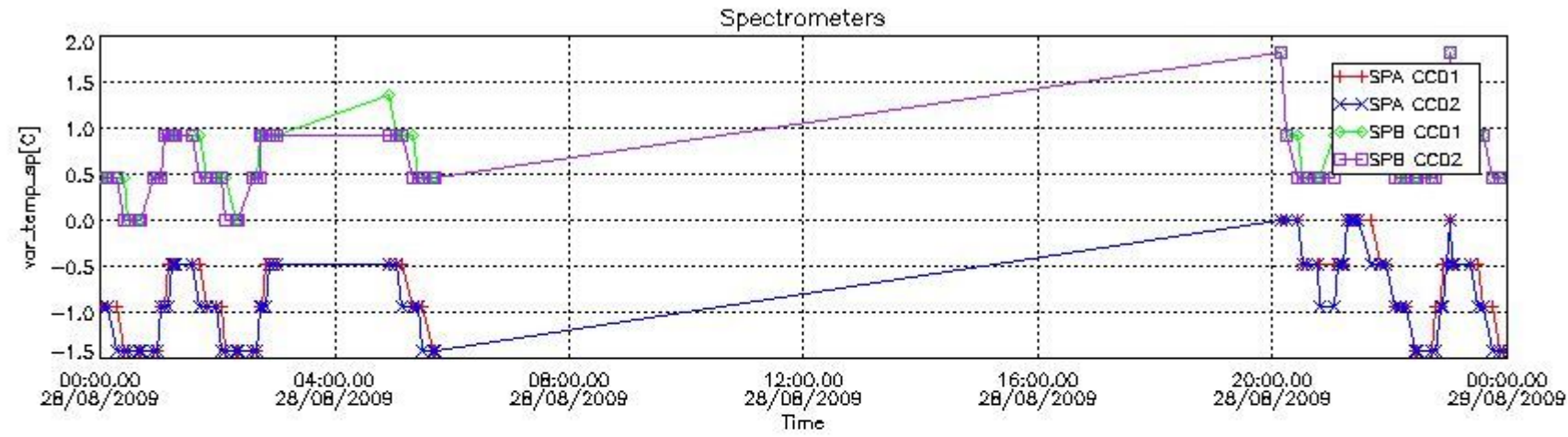
28-AUG-2009 07:59:38	19BetOri	7	39181
28-AUG-2009 08:01:58	9BetLep	139	39181
28-AUG-2009 08:03:54	DSA1062	0	39181
28-AUG-2009 08:15:53	The1Eri	157	39182
28-AUG-2009 08:24:20	AlpPhe	84	39182
28-AUG-2009 08:30:44	24AlpPsA	18	39182
28-AUG-2009 23:06:30	11AlpLep	101	39190

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_1PNPDE20090828_000116_000000502082_00045_39177_0408.N1	28-AUG-2009 00:01:16	Straylight	50.000	84	Alp Phe	2.3970	4500.0	100	39177	No
2	GOM_TRA_1PNPDE20090828_000743_000000472082_00045_39177_0409.N1	28-AUG-2009 00:07:43	Straylight	47.000	18	24Alp PsA	1.1660	9700.0	94	39177	No
3	GOM_TRA_1PNPDE20090828_001728_000000402082_00045_39177_0410.N1	28-AUG-2009 00:17:28	Bright	39.500	162	34Alp Aqr	2.9440	5350.0	79	39177	No
4	GOM_TRA_1PNPDE20090828_002354_000000322082_00045_39177_0411.N1	28-AUG-2009 00:23:54	Twi_and_stray	32.000	90	54Alp Peg	2.4870	11000.	64	39177	No
5	GOM_TRA_1PNPDE20090828_002802_000000442082_00045_39177_0412.N1	28-AUG-2009 00:28:02	Bright	44.000	164	44Eta Peg	2.9480	5400.0	88	39177	No
6	GOM_TRA_1PNPDE20090828_003850_000000422082_00045_39177_0413.N1	28-AUG-2009 00:38:50	Bright	41.500	74	11Bet Cas	2.2680	6600.0	83	39177	No
7	GOM_TRA_1PNPDE20090828_004102_000000472082_00045_39177_0414.N1	28-AUG-2009 00:41:02	Bright	47.000	76	27Gam Cas	2.3000	30000.	94	39177	No
8	GOM_TRA_1PNPDE20090828_005519_000000552082_00045_39177_0415.N1	28-AUG-2009 00:55:19	Bright	55.000	6	13Alp Aur	0.080000	3400.0	110	39177	No
9	GOM_TRA_1PNPDE20090828_005846_000000452082_00045_39177_0416.N1	28-AUG-2009 00:58:46	Bright	44.500	107	37The Aur	2.6490	11000.	89	39177	No
10	GOM_TRA_1PNPDE20090828_010221_000000552082_00045_39177_0417.N1	28-AUG-2009 01:02:21	Twi_and_stray	55.000	28	12Bet Tau	1.6500	15200.	110	39177	No
11	GOM_TRA_1PNPDE20090828_010521_000000492082_00045_39177_0418.N1	28-AUG-2009 01:05:21	Twi_and_stray	48.500	44	24Gam Gem	1.9280	11000.	97	39177	No
12	GOM_TRA_1PNPDE20090828_010935_000000662082_00045_39177_0419.N1	28-AUG-2009 01:09:35	Dark	65.500	14	58Alp Ori	0.87000	3000.0	131	39177	No
13	GOM_TRA_1PNPDE20090828_011326_000000622082_00045_39177_0420.N1	28-AUG-2009 01:13:26	Dark	62.000	30	46Eps Ori	1.6940	30000.	124	39177	No
14	GOM_TRA_1PNPDE20090828_011521_000000552082_00045_39177_0547.N1	28-AUG-2009 01:15:21	Dark	54.500	56	53Kap Ori	2.0650	30000.	109	39177	No
15	GOM_TRA_1PNPDE20090828_011708_000000732082_00045_39177_0548.N1	28-AUG-2009 01:17:08	Dark	73.000	7	19Bet Ori	0.10000	14000.	146	39177	No
16	GOM_TRA_1PNPDE20090828_013323_000000542082_00046_39178_0549.N1	28-AUG-2009 01:33:23	Dark	54.000	157	The1Eri	2.9060	9300.0	108	39178	No
17	GOM_TRA_1PNPDE20090828_014153_000000532082_00046_39178_0550.N1	28-AUG-2009 01:41:53	Straylight	52.500	84	Alp Phe	2.3970	4500.0	105	39178	No
18	GOM_TRA_1PNPDE20090828_014819_000000462082_00046_39178_0551.N1	28-AUG-2009 01:48:19	Straylight	46.000	18	24Alp PsA	1.1660	9700.0	92	39178	No
19	GOM_TRA_1PNPDE20090828_015803_000000402082_00046_39178_0552.N1	28-AUG-2009 01:58:03	Bright	40.000	162	34Alp Aqr	2.9440	5350.0	80	39178	No
20	GOM_TRA_1PNPDE20090828_020429_000000392082_00046_39178_0553.N1	28-AUG-2009 02:04:29	Bright	39.000	90	54Alp Peg	2.4870	11000.	78	39178	No
21	GOM_TRA_1PNPDE20090828_020838_000000462082_00046_39178_0554.N1	28-AUG-2009 02:08:38	Bright	45.500	164	44Eta Peg	2.9480	5400.0	91	39178	No
22	GOM_TRA_1PNPDE20090828_021926_000000412082_00046_39178_0555.N1	28-AUG-2009 02:19:26	Bright	40.500	74	11Bet Cas	2.2680	6600.0	81	39178	No
23	GOM_TRA_1PNPDE20090828_022137_000000442082_00046_39178_0556.N1	28-AUG-2009 02:21:37	Bright	43.500	76	27Gam Cas	2.3000	30000.	87	39178	No
24	GOM_TRA_1PNPDE20090828_023554_000000582082_00046_39178_0715.N1	28-AUG-2009 02:35:54	Bright	58.000	6	13Alp Aur	0.080000	3400.0	116	39178	No
25	GOM_TRA_1PNPDE20090828_023922_000000462082_00046_39178_0716.N1	28-AUG-2009 02:39:22	Bright	45.500	107	37The Aur	2.6490	11000.	91	39178	No
26	GOM_TRA_1PNPDE20090828_024257_000000522082_00046_39178_0717.N1	28-AUG-2009 02:42:57	Twi_and_stray	52.000	28	12Bet Tau	1.6500	15200.	104	39178	No
27	GOM_TRA_1PNPDE20090828_024415_000000542082_00046_39178_0718.N1	28-AUG-2009 02:44:15	Twi_and_stray	53.500	151	13Mu Gem	2.8900	3000.0	107	39178	No
28	GOM_TRA_1PNPDE20090828_024557_000000482082_00046_39178_0719.N1	28-AUG-2009 02:45:57	Twi_and_stray	47.500	44	24Gam Gem	1.9280	11000.	95	39178	No
29	GOM_TRA_1PNPDE20090828_025011_000000692082_00046_39178_0720.N1	28-AUG-2009 02:50:11	Dark	68.500	14	58Alp Ori	0.87000	3000.0	137	39178	No
30	GOM_TRA_1PNPDE20090828_025403_000000592082_00046_39178_0721.N1	28-AUG-2009 02:54:03	Dark	58.500	30	46Eps Ori	1.6940	30000.	117	39178	No
31	GOM_TRA_1PNPDE20090828_025745_000000742082_00046_39178_0722.N1	28-AUG-2009 02:57:45	Dark	73.500	7	19Bet Ori	0.10000	14000.	147	39178	No
32	GOM_TRA_1PNPDE20090828_030006_000000502082_00046_39178_0723.N1	28-AUG-2009 03:00:06	Dark	50.000	139	9Bet Lep	2.8330	5600.0	100	39178	No
33	GOM_TRA_1PNPDE20090828_045438_000000552082_00048_39180_0890.N1	28-AUG-2009 04:54:38	Dark	55.000	157	The1Eri	2.9060	9300.0	110	39180	No
34	GOM_TRA_1PNPDE20090828_050306_000000492082_00048_39180_0891.N1	28-AUG-2009 05:03:06	Straylight	48.500	84	Alp Phe	2.3970	4500.0	97	39180	No
35	GOM_TRA_1PNPDE20090828_050931_000000482082_00048_39180_0892.N1	28-AUG-2009 05:09:31	Straylight	47.500	18	24Alp PsA	1.1660	9700.0	95	39180	No
36	GOM_TRA_1PNPDE20090828_051915_000000402082_00048_39180_0893.N1	28-AUG-2009 05:19:15	Bright	39.500	162	34Alp Aqr	2.9440	5350.0	79	39180	No
37	GOM_TRA_1PNPDE20090828_052540_000000452082_00048_39180_0894.N1	28-AUG-2009 05:25:40	Bright	45.000	90	54Alp Peg	2.4870	11000.	90	39180	No
38	GOM_TRA_1PNPDE20090828_052948_000000672082_00048_39180_0895.N1	28-AUG-2009 05:29:48	Bright	67.000	164	44Eta Peg	2.9480	5400.0	134	39180	No
39	GOM_TRA_1PNPDE20090828_054036_000000462082_00048_39180_0896.N1	28-AUG-2009 05:40:36	Bright	46.000	74	11Bet Cas	2.2680	6600.0	92	39180	No
40	GOM_TRA_1PNPDE20090828_054248_000000462082_00048_39180_0897.N1	28-AUG-2009 05:42:48	Bright	46.000	76	27Gam Cas	2.3000	30000.	92	39180	No
41	GOM_TRA_1PNPDE20090828_200835_000000492082_00057_39189_1418.N1	28-AUG-2009 20:08:35	Straylight	48.500	84	Alp Phe	2.3970	4500.0	97	39189	Yes
42	GOM_TRA_1PNPDE20090828_201457_000000492082_00057_39189_1419.N1	28-AUG-2009 20:14:57	Straylight	48.500	18	24Alp PsA	1.1660	9700.0	97	39189	No
43	GOM_TRA_1PNPDE20090828_202438_000000412082_00057_39189_1420.N1	28-AUG-2009 20:24:38	Bright	40.500	162	34Alp Aqr	2.9440	5350.0	81	39189	No
44	GOM_TRA_1PNPDE20090828_203057_000000522082_00057_39189_1421.N1	28-AUG-2009 20:30:57	Bright	51.500	90	54Alp Peg	2.4870	11000.	103	39189	No
45	GOM_TRA_1PNPDE20090828_203506_000000442082_00057_39189_1422.N1	28-AUG-2009 20:35:06	Bright	44.000	164	44Eta Peg	2.9480	5400.0	88	39189	No
46	GOM_TRA_1PNPDE20090828_204554_000000462082_00057_39189_1423.N1	28-AUG-2009 20:45:54	Bright	45.500	74	11Bet Cas	2.2680	6600.0	91	39189	No
47	GOM_TRA_1PNPDE20090828_204804_000000472082_00057_39189_1424.N1	28-AUG-2009 20:48:04	Bright	47.000	76	27Gam Cas	2.3000	30000.	94	39189	No

48	GOM_TRA_1PNPDE20090828_210227_00000592082_00057_39189_1425.N1	28-AUG-2009 21:02:27	Bright	59.000	6	13Alp Aur	0.080000	3400.0	118	39189	No
49	GOM_TRA_1PNPDE20090828_210558_00000472082_00057_39189_1426.N1	28-AUG-2009 21:05:58	Bright	46.500	107	37The Aur	2.6490	11000.	93	39189	No
50	GOM_TRA_1PNPDE20090828_211053_00000532082_00057_39189_1427.N1	28-AUG-2009 21:10:53	Twilight	52.500	151	13Mu Gem	2.8900	3000.0	105	39189	No
51	GOM_TRA_1PNPDE20090828_211236_00000462082_00057_39189_1428.N1	28-AUG-2009 21:12:36	Twilight	45.500	44	24Gam Gem	1.9280	11000.	91	39189	No
52	GOM_TRA_1PNPDE20090828_211654_00000722082_00057_39189_1429.N1	28-AUG-2009 21:16:54	Dark	72.000	14	58Alp Ori	0.87000	3000.0	144	39189	No
53	GOM_TRA_1PNPDE20090828_212049_00000602082_00057_39189_1554.N1	28-AUG-2009 21:20:49	Dark	59.500	30	46Eps Ori	1.6940	30000.	119	39189	No
54	GOM_TRA_1PNPDE20090828_212243_00000542082_00057_39189_1555.N1	28-AUG-2009 21:22:43	Dark	53.500	56	53Kap Ori	2.0650	30000.	107	39189	No
55	GOM_TRA_1PNPDE20090828_212435_00000592082_00057_39189_1556.N1	28-AUG-2009 21:24:35	Dark	59.000	7	19Bet Ori	0.10000	14000.	118	39189	No
56	GOM_TRA_1PNPDE20090828_212653_00000502082_00057_39189_1557.N1	28-AUG-2009 21:26:53	Dark	50.000	139	9Bet Lep	2.8330	5600.0	100	39189	No
57	GOM_TRA_1PNPDE20090828_214049_00000542082_00058_39190_1558.N1	28-AUG-2009 21:40:49	Dark	54.000	157	The1Eri	2.9060	9300.0	108	39190	No
58	GOM_TRA_1PNPDE20090828_214912_00000532082_00058_39190_1559.N1	28-AUG-2009 21:49:12	Straylight	53.000	84	Alp Phe	2.3970	4500.0	106	39190	No
59	GOM_TRA_1PNPDE20090828_215534_00000472082_00058_39190_1560.N1	28-AUG-2009 21:55:34	Straylight	47.000	18	24Alp PsA	1.1660	9700.0	94	39190	No
60	GOM_TRA_1PNPDE20090828_220514_00000402082_00058_39190_1561.N1	28-AUG-2009 22:05:14	Bright	40.000	162	34Alp Aqr	2.9440	5350.0	80	39190	No
61	GOM_TRA_1PNPDE20090828_221133_00000492082_00058_39190_1562.N1	28-AUG-2009 22:11:33	Bright	48.500	90	54Alp Peg	2.4870	11000.	97	39190	No
62	GOM_TRA_1PNPDE20090828_221542_00000452082_00058_39190_1563.N1	28-AUG-2009 22:15:42	Bright	44.500	164	44Eta Peg	2.9480	5400.0	89	39190	No
63	GOM_TRA_1PNPDE20090828_222629_00000462082_00058_39190_1564.N1	28-AUG-2009 22:26:29	Bright	45.500	74	11Bet Cas	2.2680	6600.0	91	39190	No
64	GOM_TRA_1PNPDE20090828_222840_00000472082_00058_39190_1565.N1	28-AUG-2009 22:28:40	Bright	47.000	76	27Gam Cas	2.3000	30000.	94	39190	No
65	GOM_TRA_1PNPDE20090828_224303_00000592082_00058_39190_1566.N1	28-AUG-2009 22:43:03	Bright	58.500	6	13Alp Aur	0.080000	3400.0	117	39190	No
66	GOM_TRA_1PNPDE20090828_224634_00000482082_00058_39190_1567.N1	28-AUG-2009 22:46:34	Bright	47.500	107	37The Aur	2.6490	11000.	95	39190	No
67	GOM_TRA_1PNPDE20090828_225130_00000592082_00058_39190_1568.N1	28-AUG-2009 22:51:30	Twilight	59.000	151	13Mu Gem	2.8900	3000.0	118	39190	No
68	GOM_TRA_1PNPDE20090828_225313_00000492082_00058_39190_1569.N1	28-AUG-2009 22:53:13	Twilight	48.500	44	24Gam Gem	1.9280	11000.	97	39190	No
69	GOM_TRA_1PNPDE20090828_225731_00000622082_00058_39190_1570.N1	28-AUG-2009 22:57:31	Dark	61.500	14	58Alp Ori	0.87000	3000.0	123	39190	No
70	GOM_TRA_1PNPDE20090828_230126_00000602082_00058_39190_1719.N1	28-AUG-2009 23:01:26	Dark	60.000	30	46Eps Ori	1.6940	30000.	120	39190	No
71	GOM_TRA_1PNPDE20090828_230320_00000542082_00058_39190_1720.N1	28-AUG-2009 23:03:20	Dark	53.500	56	53Kap Ori	2.0650	30000.	107	39190	No
72	GOM_TRA_1PNPDE20090828_230513_00000522082_00058_39190_1721.N1	28-AUG-2009 23:05:13	Dark	52.000	7	19Bet Ori	0.10000	14000.	104	39190	No
73	GOM_TRA_1PNPDE20090828_232126_00000562082_00059_39191_1722.N1	28-AUG-2009 23:21:26	Dark	55.500	157	The1Eri	2.9060	9300.0	111	39191	No
74	GOM_TRA_1PNPDE20090828_232948_00000562082_00059_39191_1723.N1	28-AUG-2009 23:29:48	Straylight	55.500	84	Alp Phe	2.3970	4500.0	111	39191	No
75	GOM_TRA_1PNPDE20090828_233610_00000482082_00059_39191_1724.N1	28-AUG-2009 23:36:10	Straylight	47.500	18	24Alp PsA	1.1660	9700.0	95	39191	No
76	GOM_TRA_1PNPDE20090828_234550_00000402082_00059_39191_1725.N1	28-AUG-2009 23:45:50	Bright	39.500	162	34Alp Aqr	2.9440	5350.0	79	39191	No
77	GOM_TRA_1PNPDE20090828_235207_00000502082_00059_39191_1726.N1	28-AUG-2009 23:52:07	Bright	49.500	90	54Alp Peg	2.4870	11000.	99	39191	No
78	GOM_TRA_1PNPDE20090828_235617_00000442082_00059_39191_1727.N1	28-AUG-2009 23:56:17	Bright	44.000	164	44Eta Peg	2.9480	5400.0	88	39191	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).

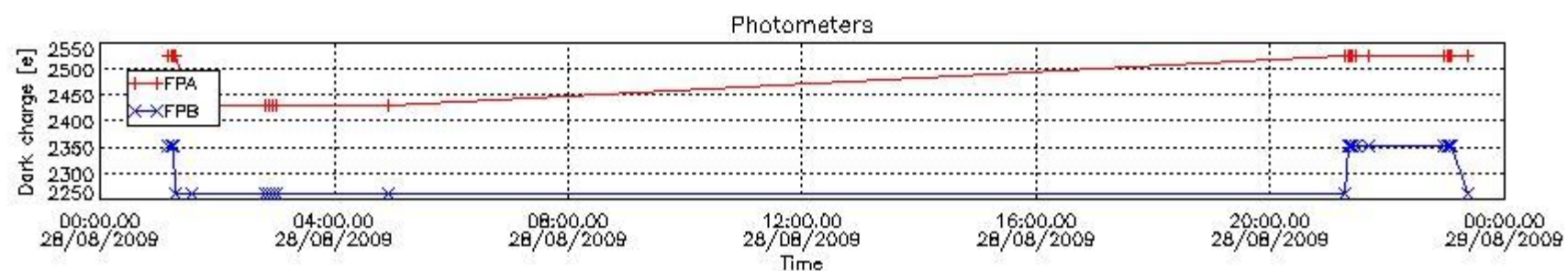
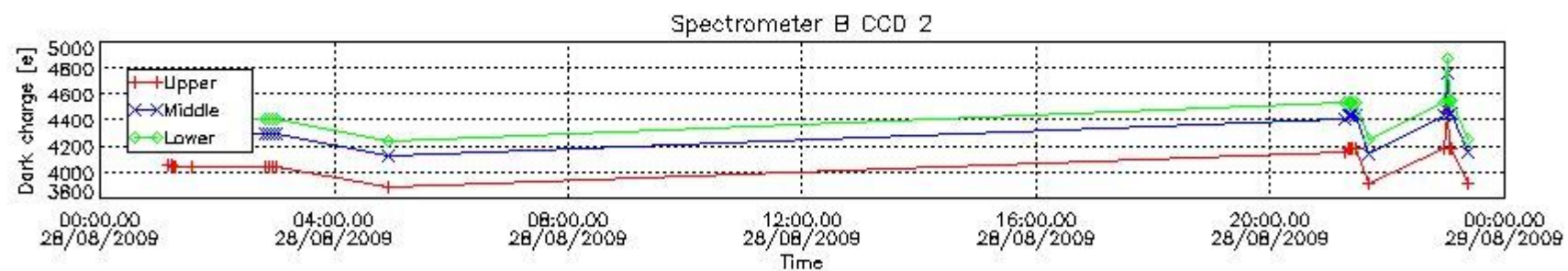
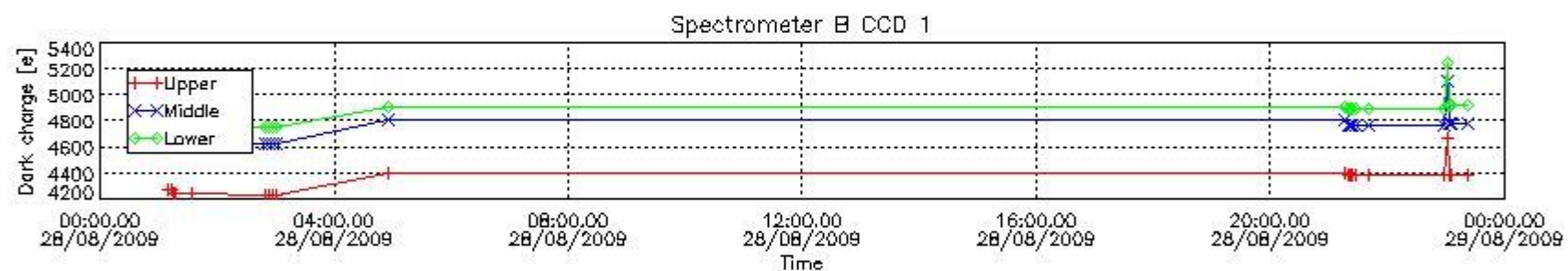
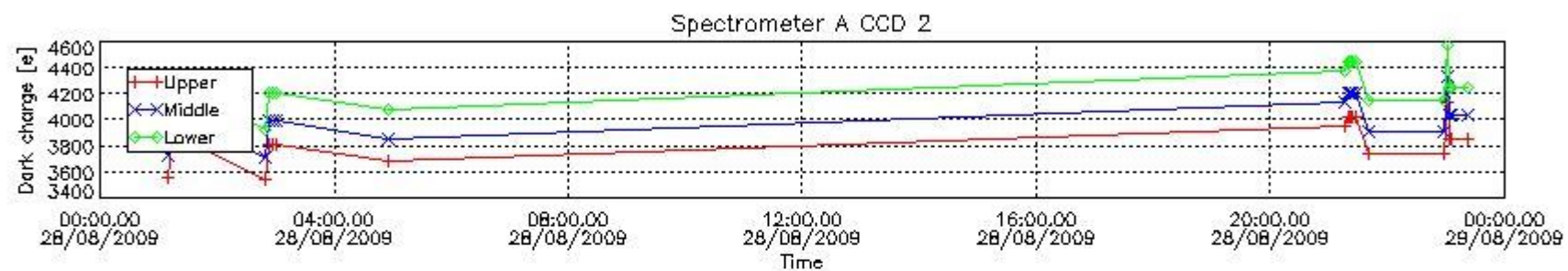
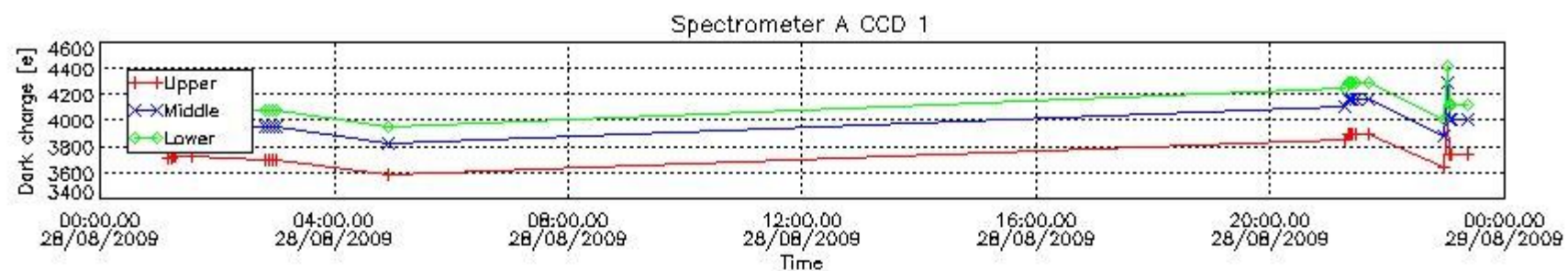
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDE20090828_045438_000000552082_00048_39180_0890.N1	DC map used
GOM_TRA_1PNPDE20090828_050306_000000492082_00048_39180_0891.N1	DC map used
GOM_TRA_1PNPDE20090828_050931_000000482082_00048_39180_0892.N1	DC map used
GOM_TRA_1PNPDE20090828_051915_000000402082_00048_39180_0893.N1	DC map used
GOM_TRA_1PNPDE20090828_052540_000000452082_00048_39180_0894.N1	DC map used
GOM_TRA_1PNPDE20090828_052948_000000672082_00048_39180_0895.N1	DC map used
GOM_TRA_1PNPDE20090828_054036_000000462082_00048_39180_0896.N1	DC map used
GOM_TRA_1PNPDE20090828_054248_000000462082_00048_39180_0897.N1	DC map used
GOM_TRA_1PNPDE20090828_200835_000000492082_00057_39189_1418.N1	DC map with no T dep.
GOM_TRA_1PNPDE20090828_201457_000000492082_00057_39189_1419.N1	DC map used
GOM_TRA_1PNPDE20090828_202438_000000412082_00057_39189_1420.N1	DC map used
GOM_TRA_1PNPDE20090828_203057_000000522082_00057_39189_1421.N1	DC map used
GOM_TRA_1PNPDE20090828_203506_000000442082_00057_39189_1422.N1	DC map used
GOM_TRA_1PNPDE20090828_204554_000000462082_00057_39189_1423.N1	DC map used

GOM_TRA_1PNPDE20090828_204804_000000472082_00057_39189_1424.N1	DC map used
GOM_TRA_1PNPDE20090828_210227_000000592082_00057_39189_1425.N1	DC map used
GOM_TRA_1PNPDE20090828_210558_000000472082_00057_39189_1426.N1	DC map used
GOM_TRA_1PNPDE20090828_211053_000000532082_00057_39189_1427.N1	DC map used
GOM_TRA_1PNPDE20090828_211236_000000462082_00057_39189_1428.N1	DC map used
GOM_TRA_1PNPDE20090828_211654_000000722082_00057_39189_1429.N1	DC map used

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



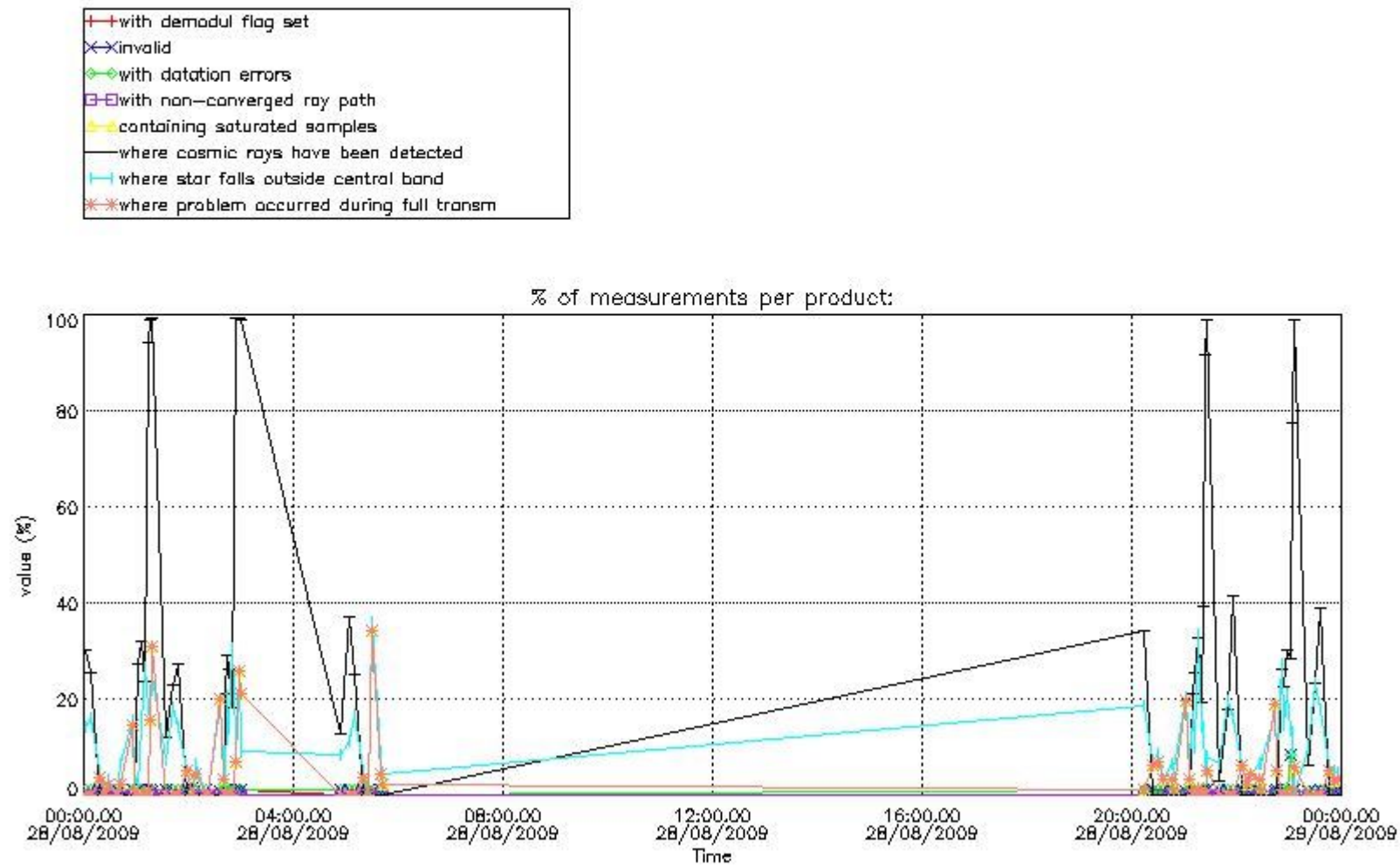
5. Demodulation flag and quality information monitoring

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.

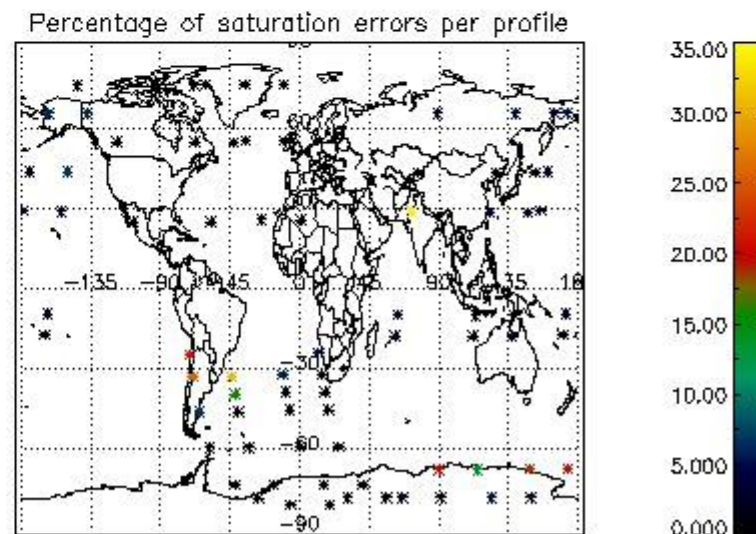
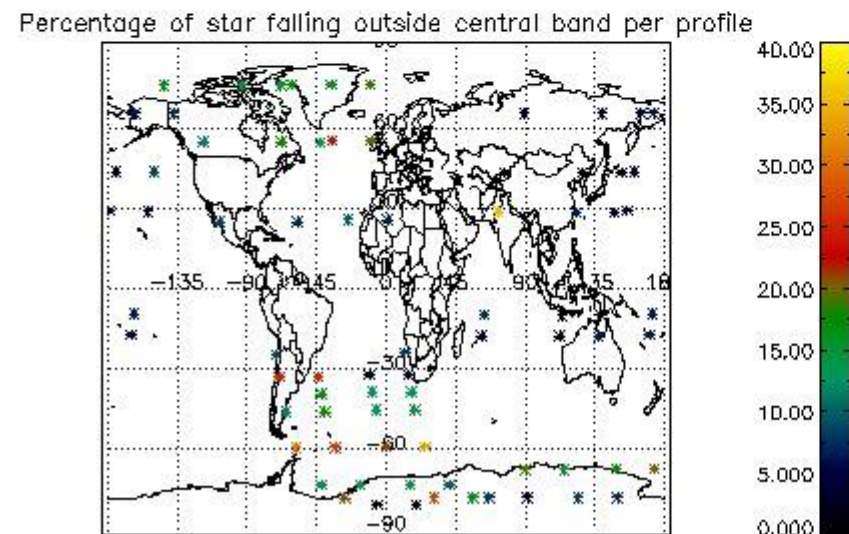
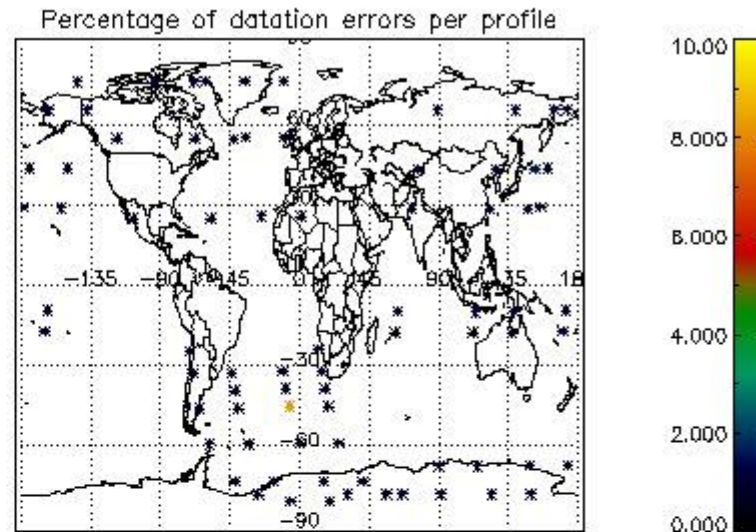
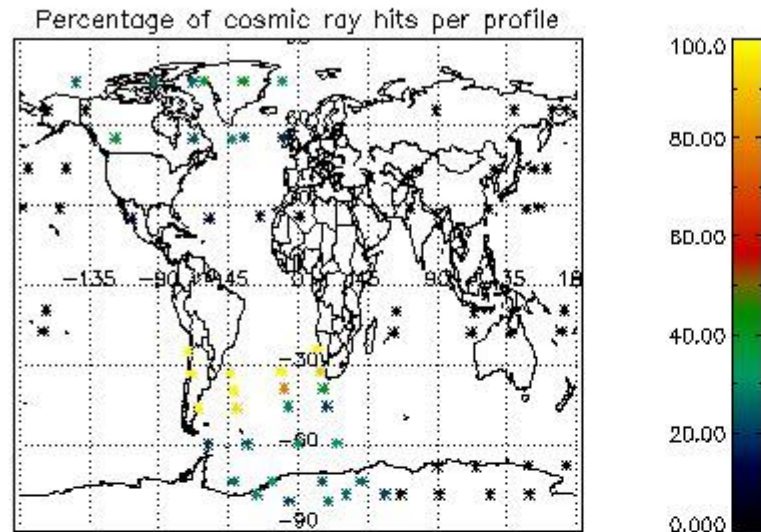
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	40.2597 %
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)



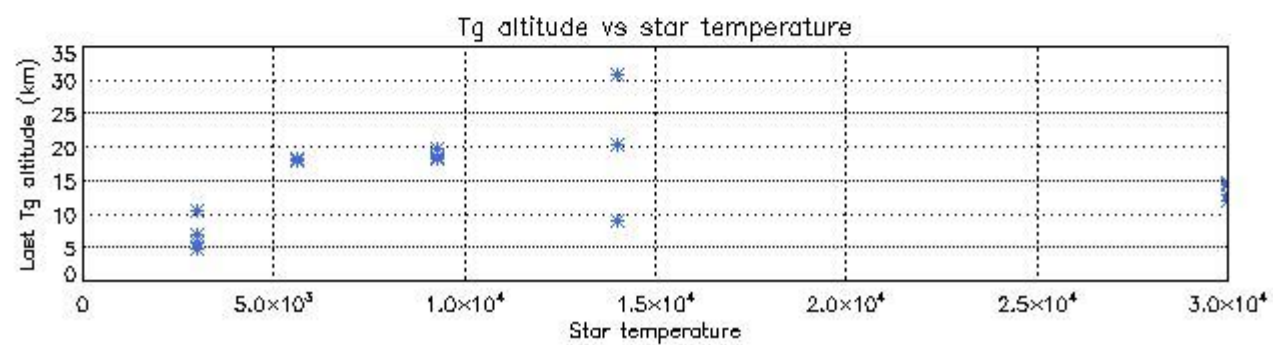
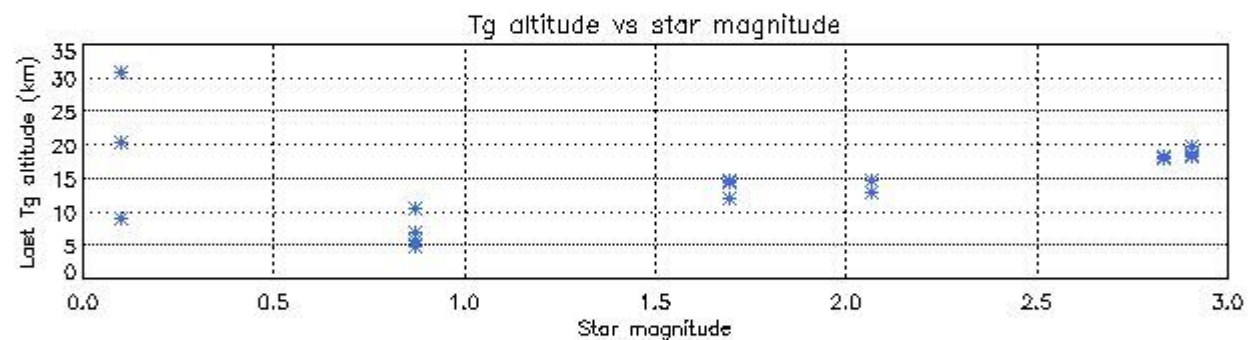
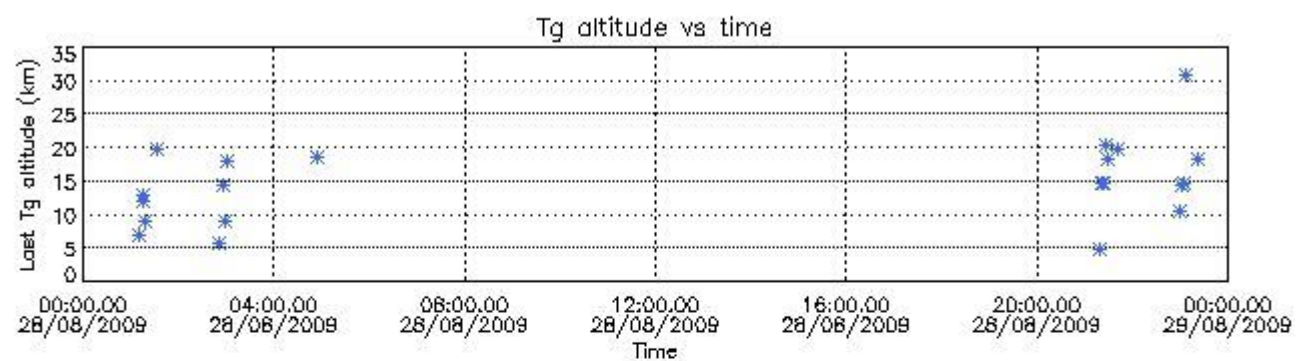
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	14.605	21.050	NaN
St. deviation:	6.0283	6.8301	NaN
Maximum:	30.781	45.585	NaN
Minimum:	4.7491	3.3223	NaN
Number of data:	21.000	35.000	NaN

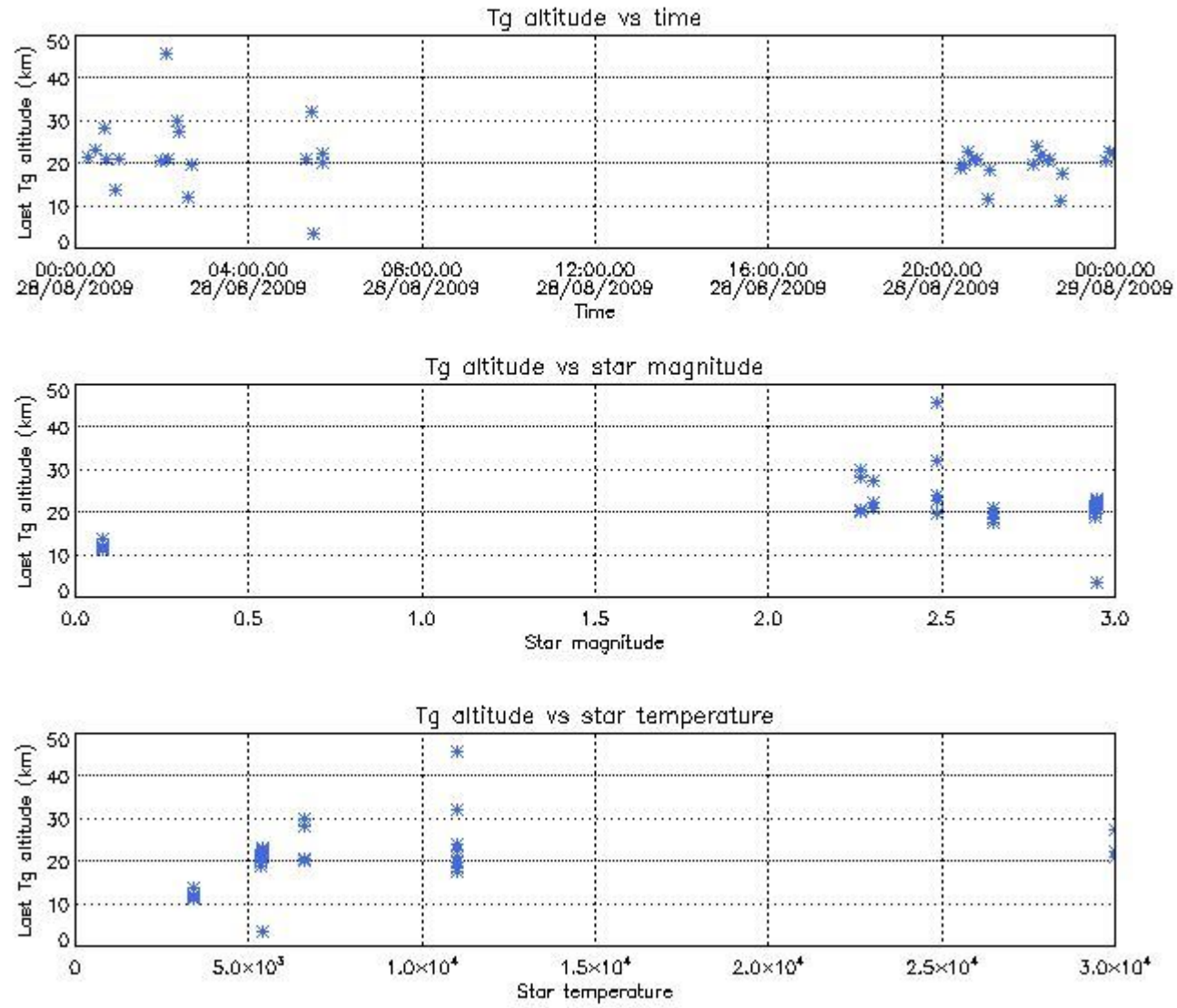
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

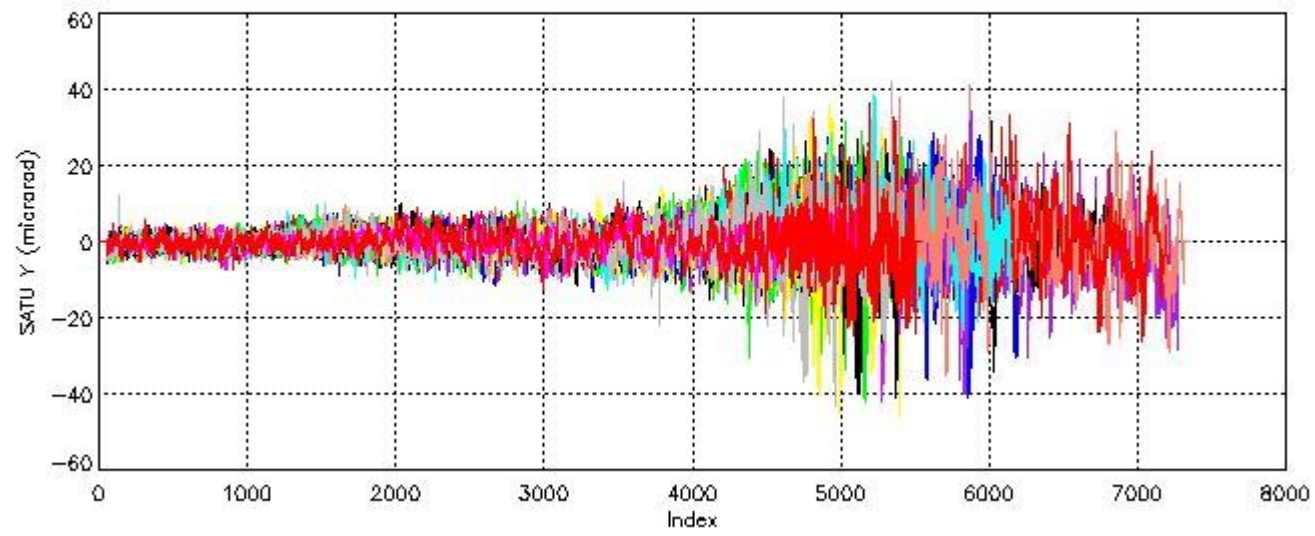
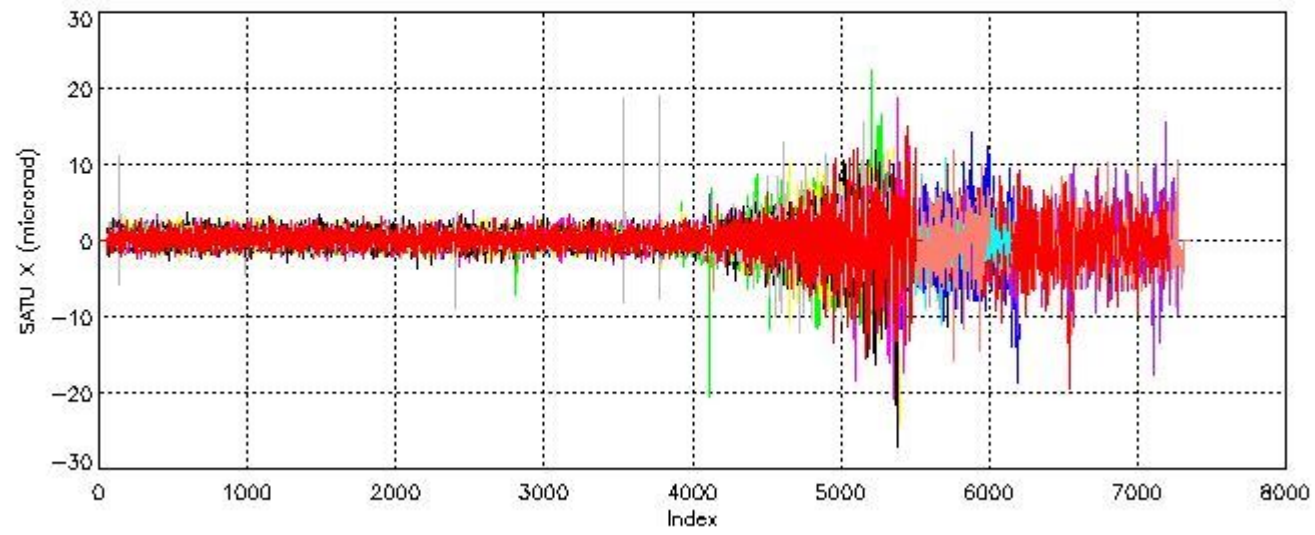


7. Star Acquisition and Tracking Unit (SATU)

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

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

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



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

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

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

7.2.1 SATU NEA Statistics (table)

Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	0.25754	-0.48046	0.31703	-0.44480
St. deviation:	0.49602	1.4184	0.82363	1.7648
Maximum:	11.000	12.300	4.5000	9.2000
Minimum:	-5.8000	-7.5000	-4.6000	-8.7000

Number of data:	26800.	26800.	37700.	37700.
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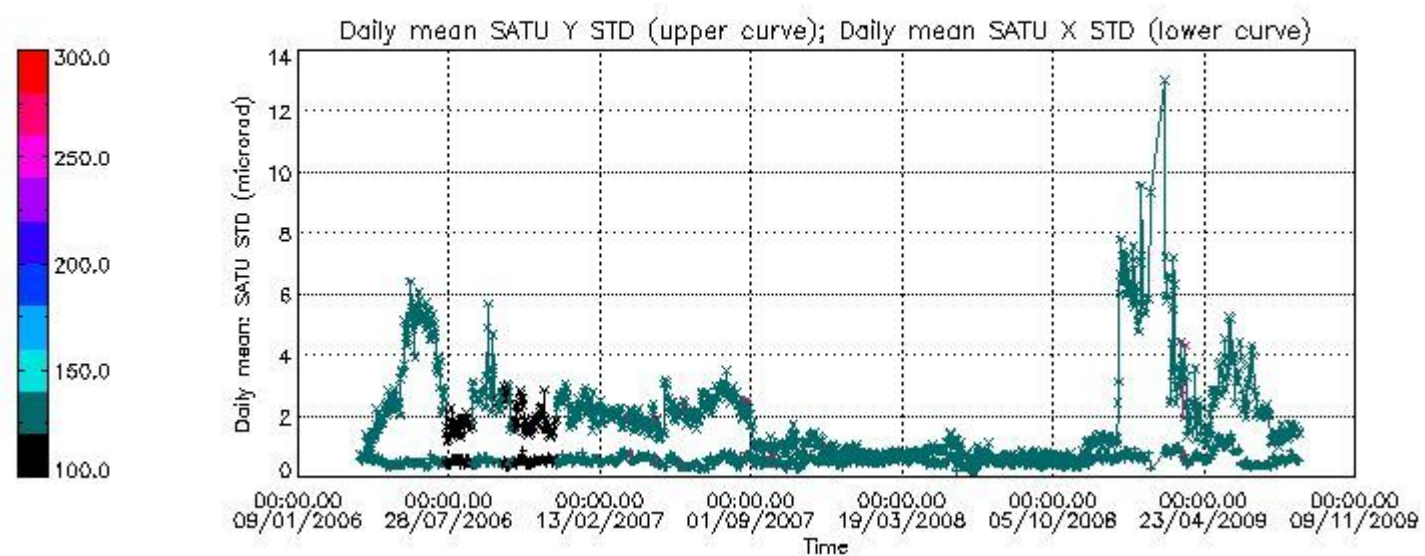
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

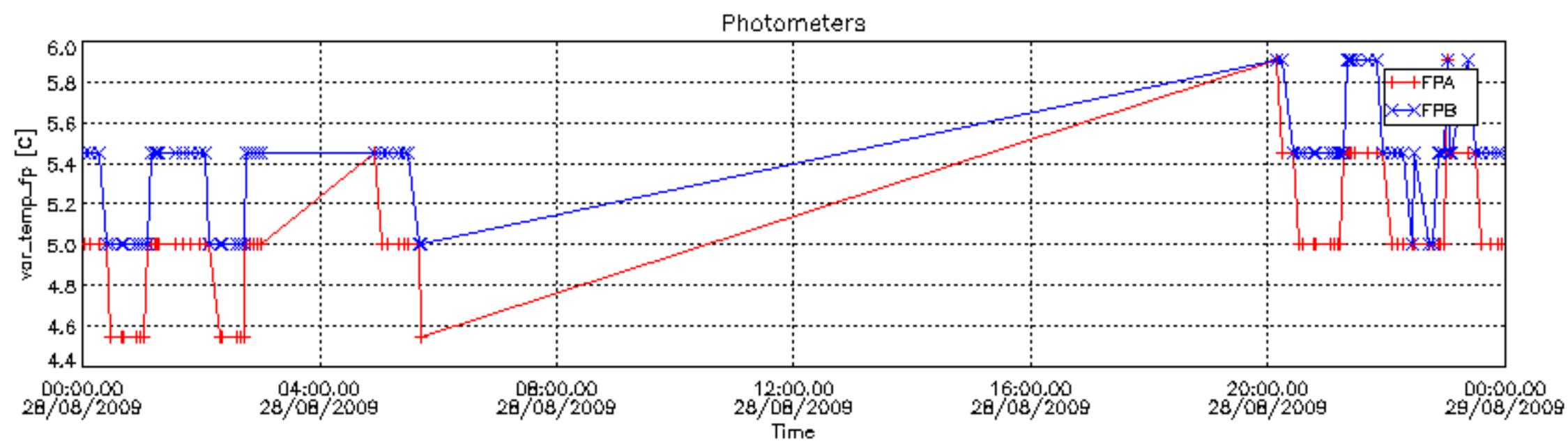
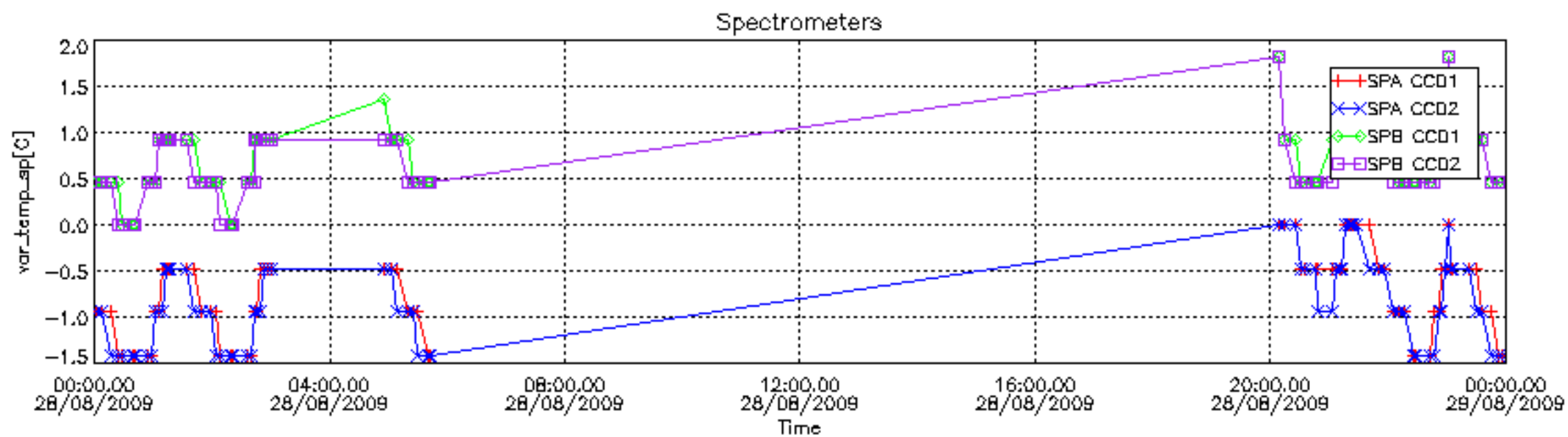
Lower curve: STD of SATU X axis

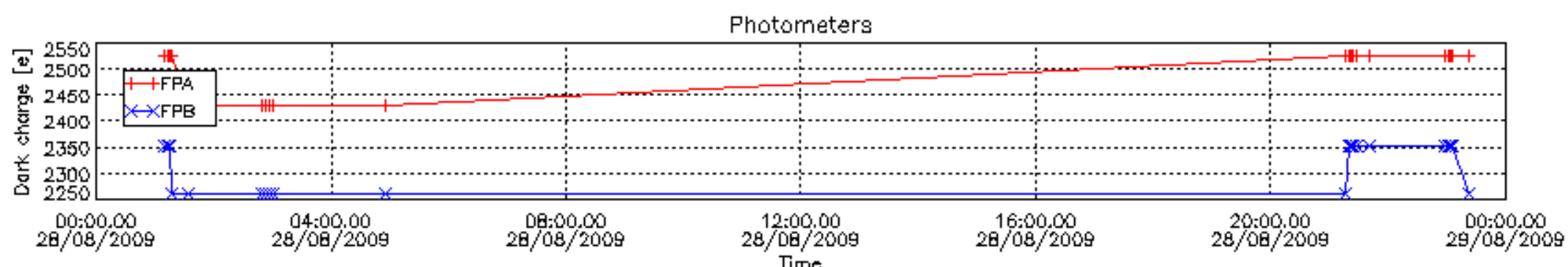
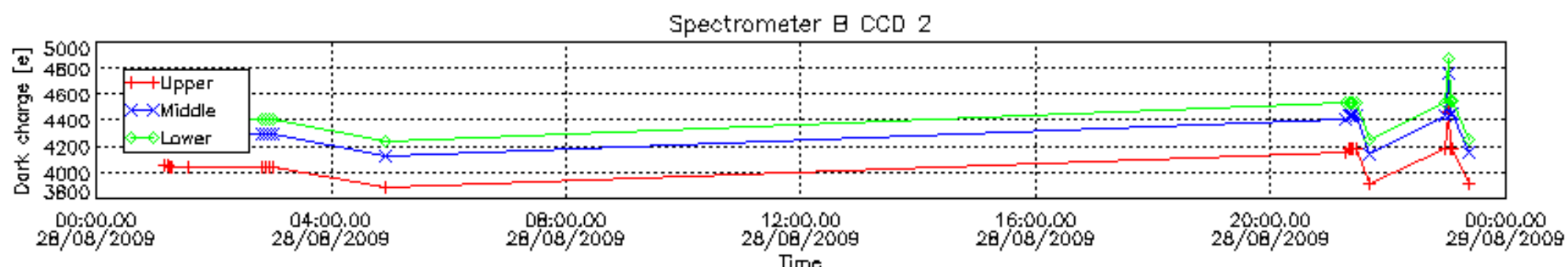
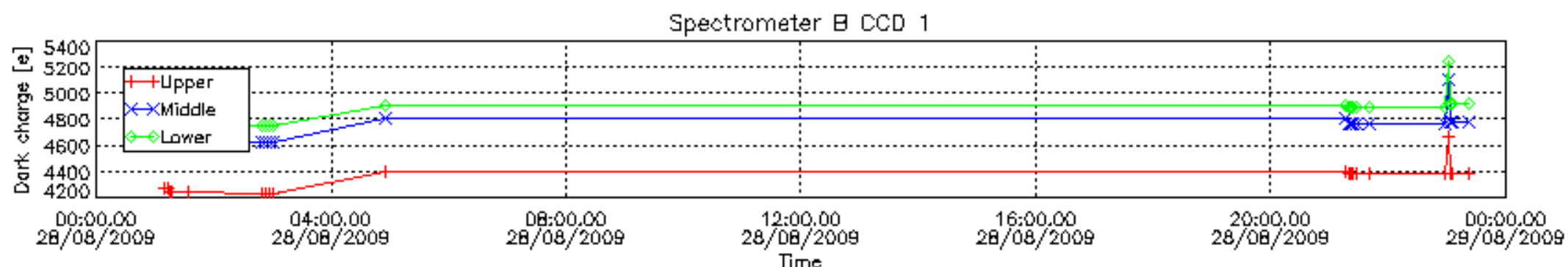
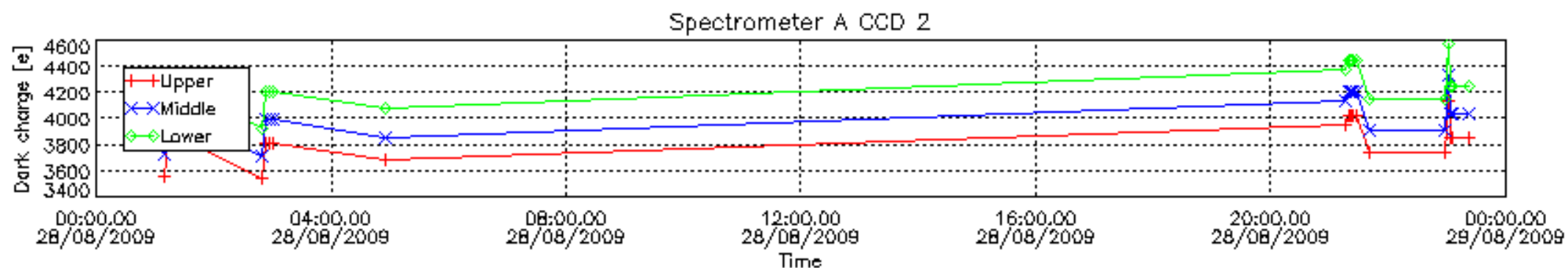
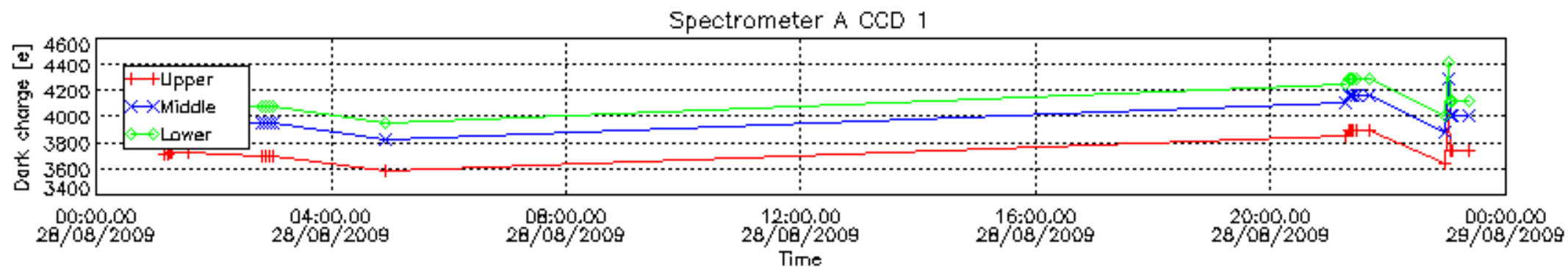


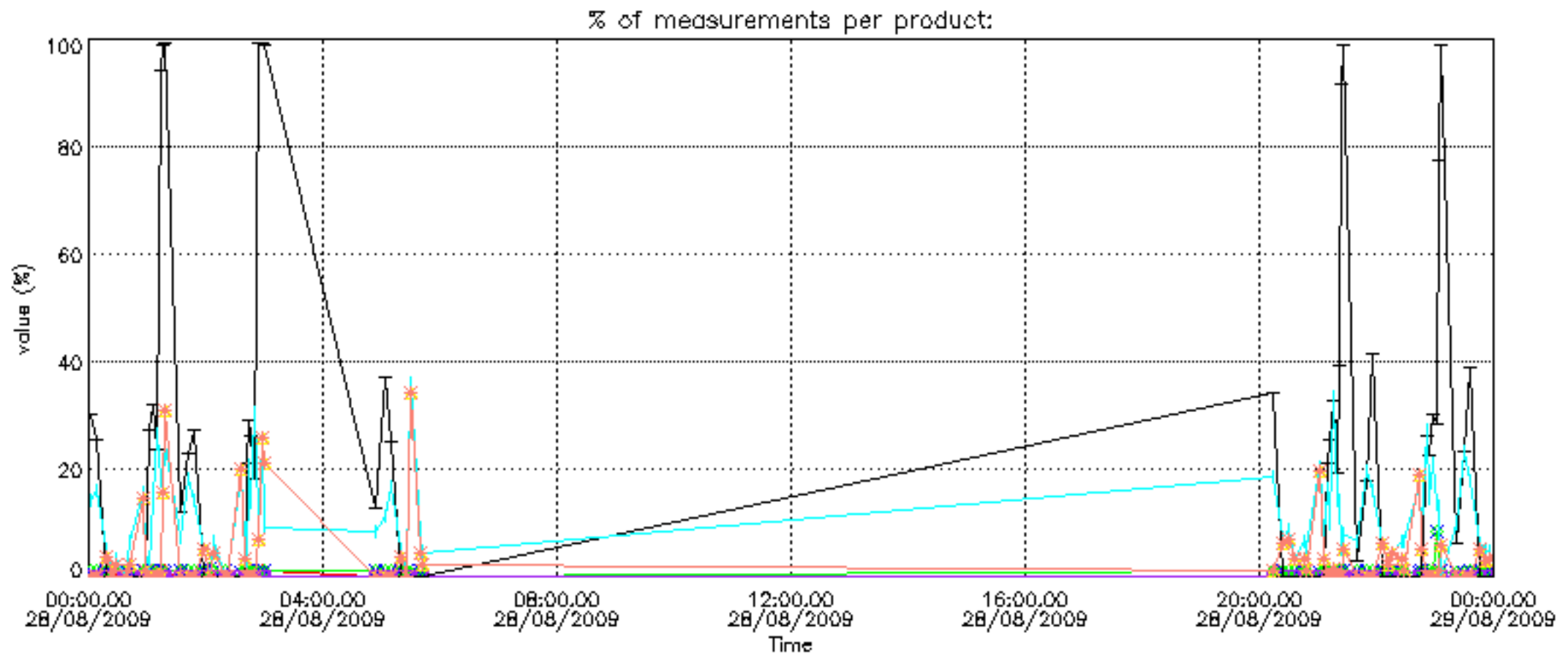
8. Auxiliary Data Files used for the production reported in section 2.4

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.

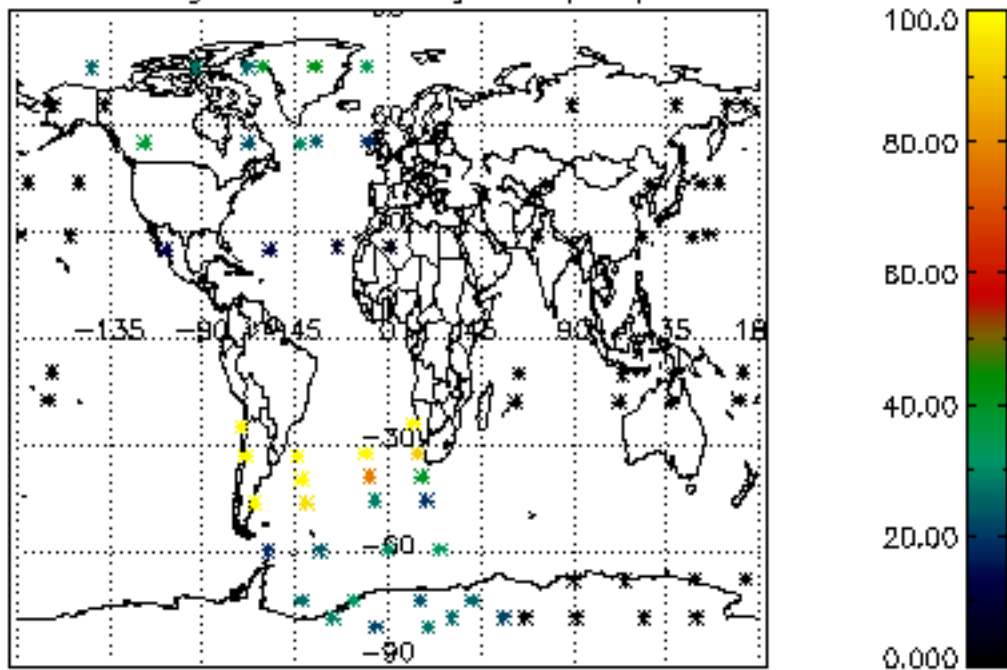
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXNIEC20050627_150713_20030716_120000_20100101_000000	1	28-AUG-2009 00:01:16
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20090818_144743_20090816_000000_20100101_000000	1	28-AUG-2009 00:01:16
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20050627_151042_20020301_000000_20100101_000000	1	28-AUG-2009 00:01:16
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	28-AUG-2009 00:01:16
STELLAR_SPECTRA_DATABANK	GOM_STS_AXNIEC20040308_103538_20020101_160000_20100101_000000	1	28-AUG-2009 00:01:16
ECMWF_FILE	AUX_ECF_AXNECM20090827_064111_20090827_210000_20090828_090000	1	28-AUG-2009 00:01:16
ECMWF_FILE	AUX_ECF_AXNECM20090827_184110_20090828_030000_20090828_150000	33	28-AUG-2009 04:54:38
ECMWF_FILE	AUX_ECF_AXNECM20090828_064112_20090828_150000_20090829_030000	41	28-AUG-2009 20:08:35
ECMWF_FILE	AUX_ECF_AXNECM20090828_064112_20090828_210000_20090829_090000	53	28-AUG-2009 21:20:49
OPTIONAL_ECMWF_FILE	MISSING	1	28-AUG-2009 00:01:16
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090827_215000_000057382082_00043_39175_8641.N1	1	28-AUG-2009 00:01:16
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090827_233057_000057382082_00044_39176_8642.N1	14	28-AUG-2009 01:15:21
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090828_011154_000044632082_00045_39177_8643.N1	24	28-AUG-2009 02:35:54
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090828_023136_000054192082_00046_39178_8644.N1	33	28-AUG-2009 04:54:38
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090828_200336_000041442082_00057_39189_8646.N1	41	28-AUG-2009 20:08:35
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090828_211759_000057382082_00057_39189_8647.N1	70	28-AUG-2009 23:01:26



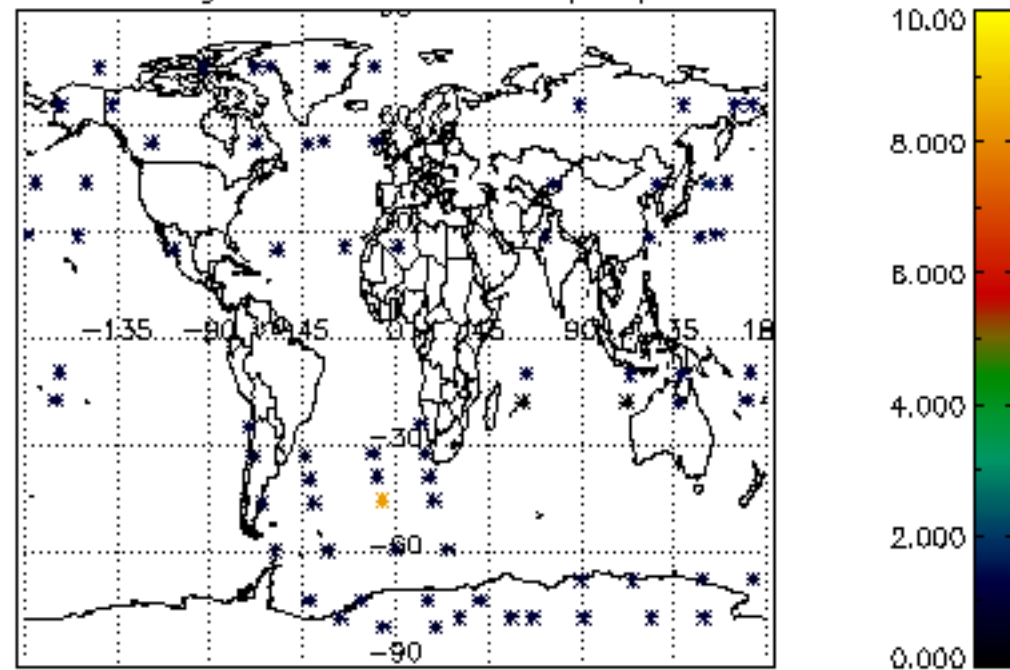




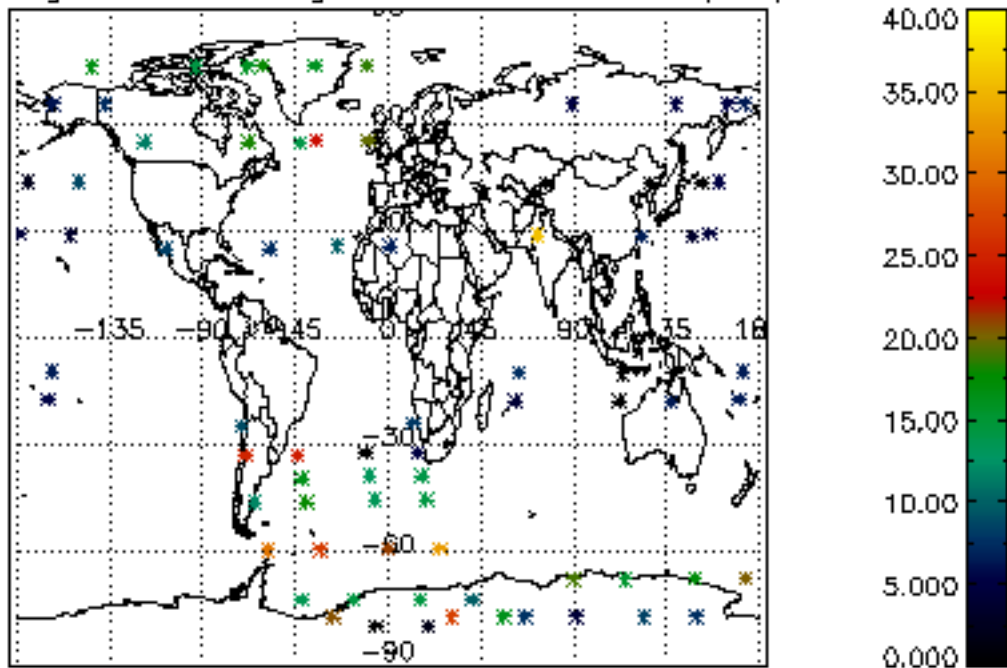
Percentage of cosmic ray hits per profile



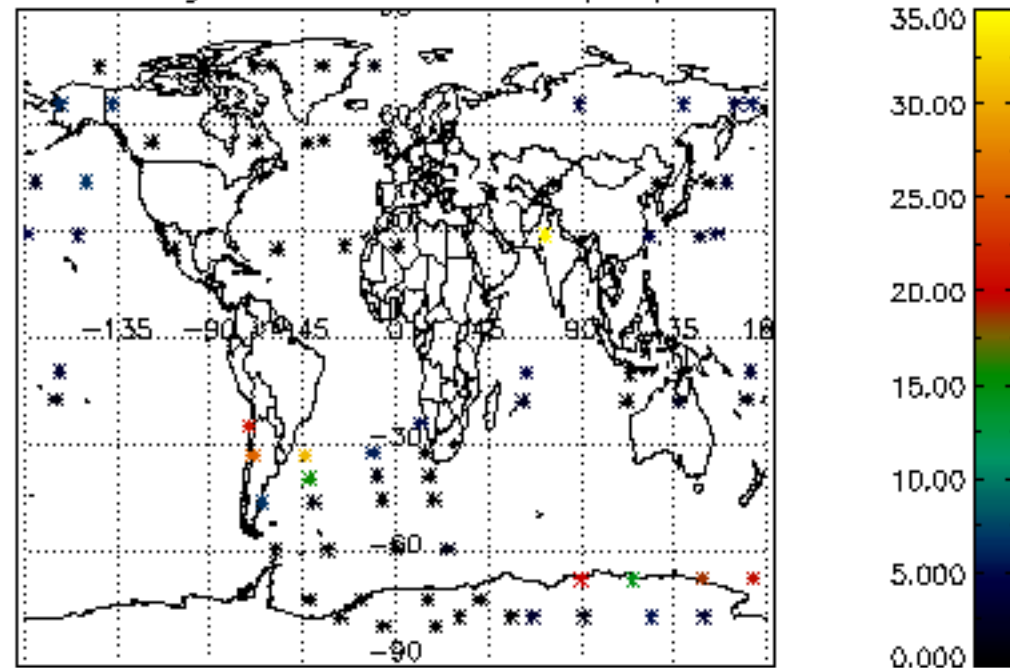
Percentage of datation errors per profile



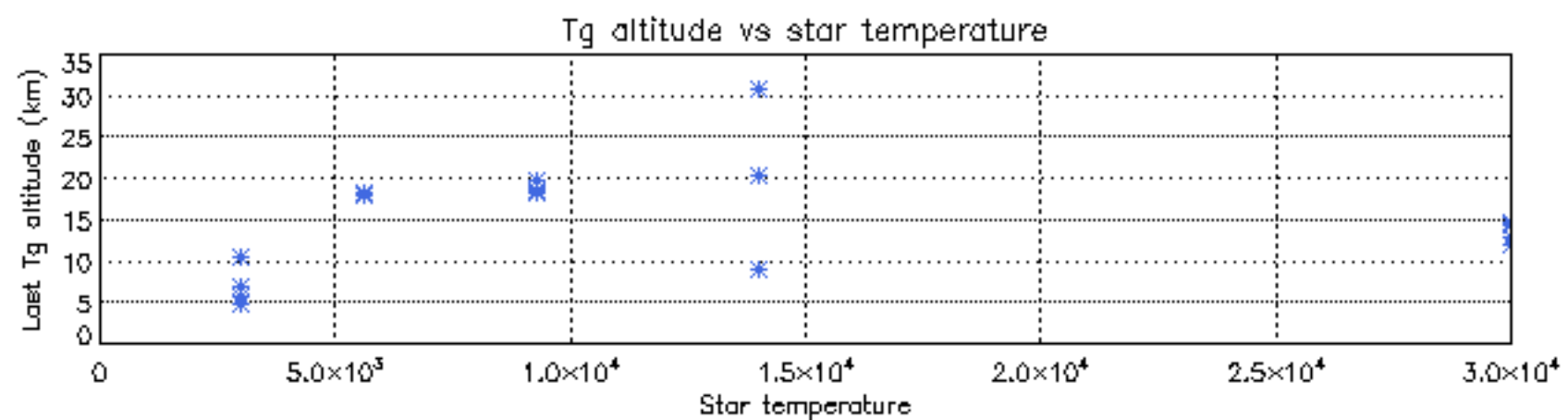
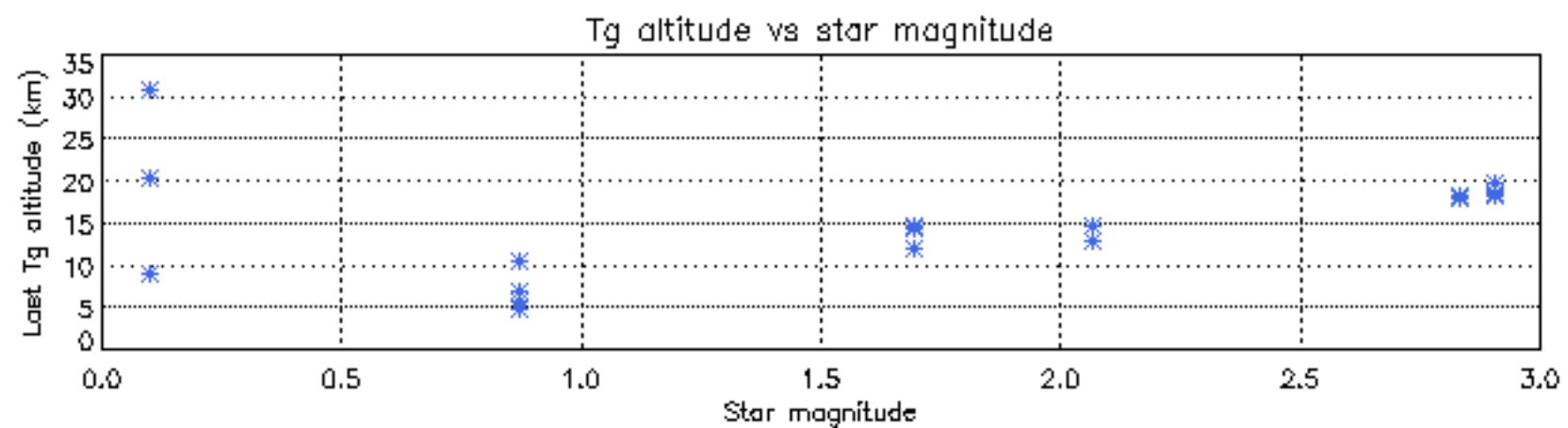
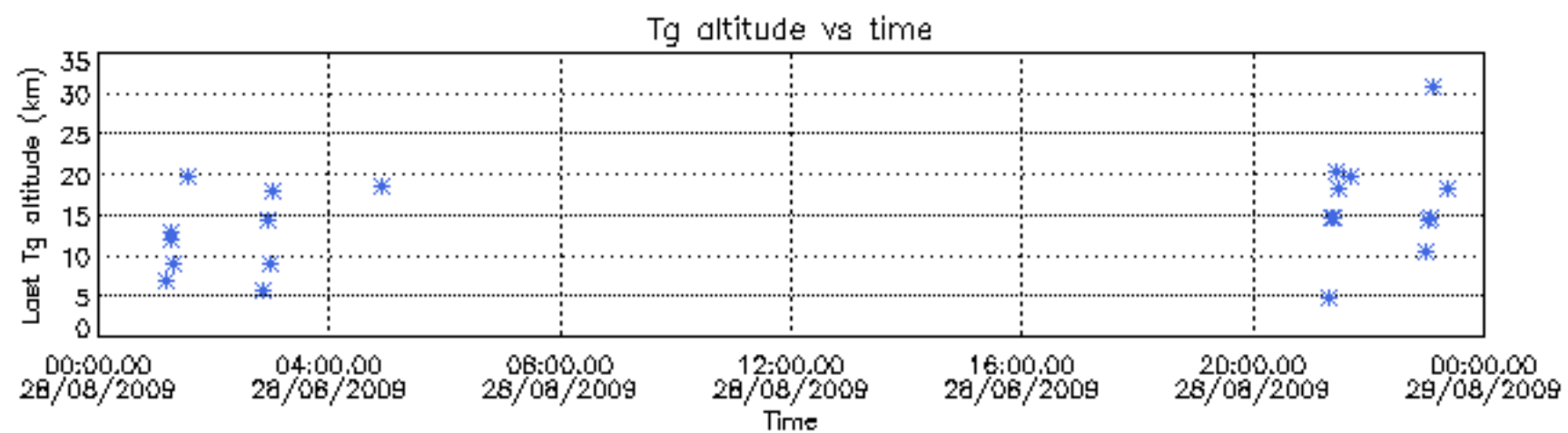
Percentage of star falling outside central band per profile



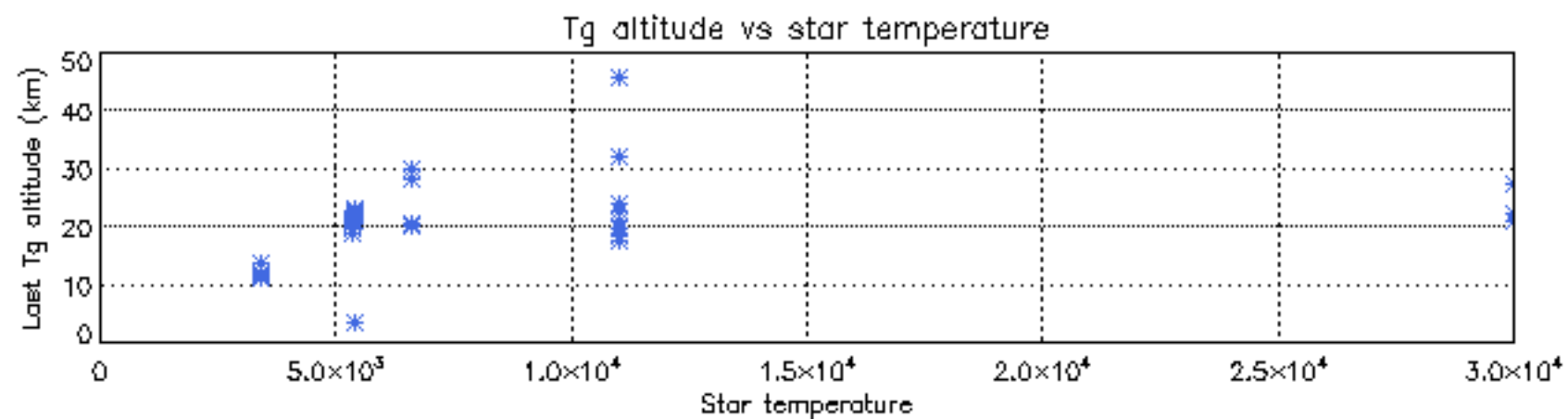
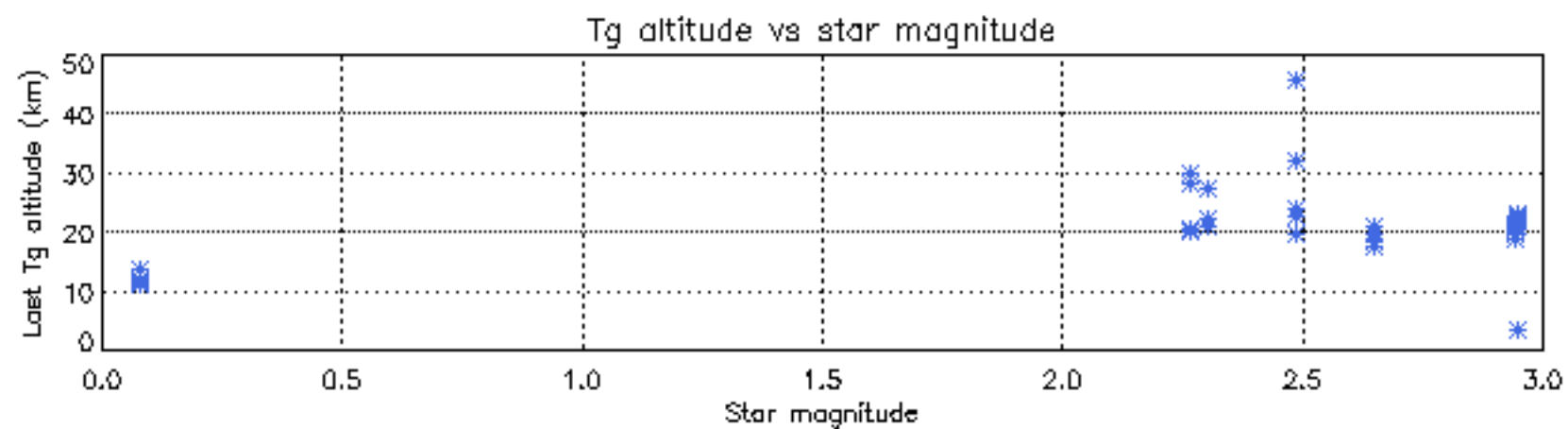
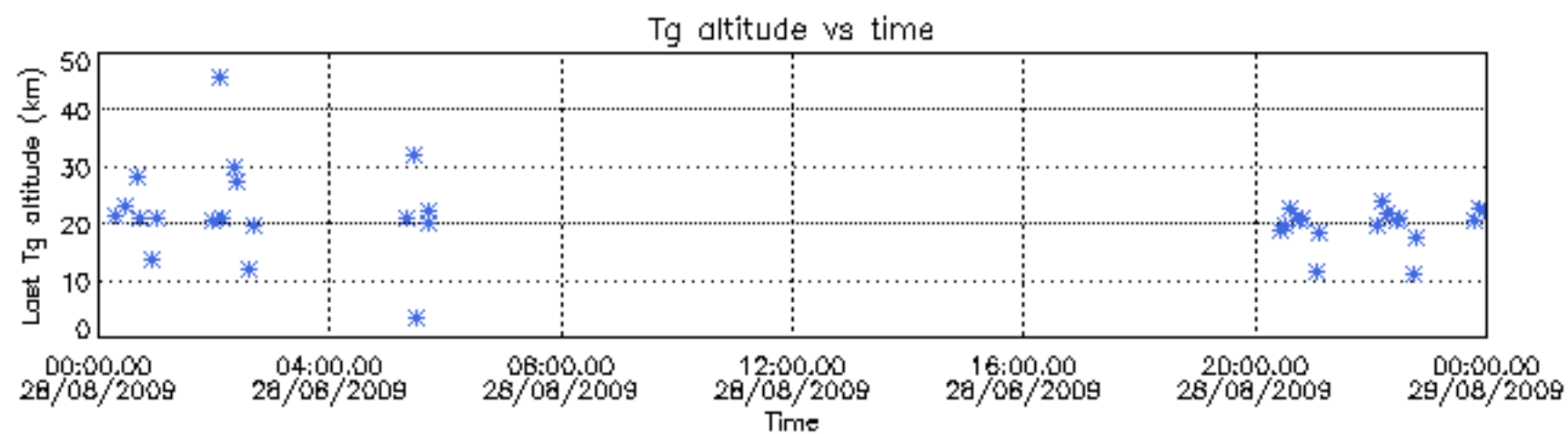
Percentage of saturation errors per profile

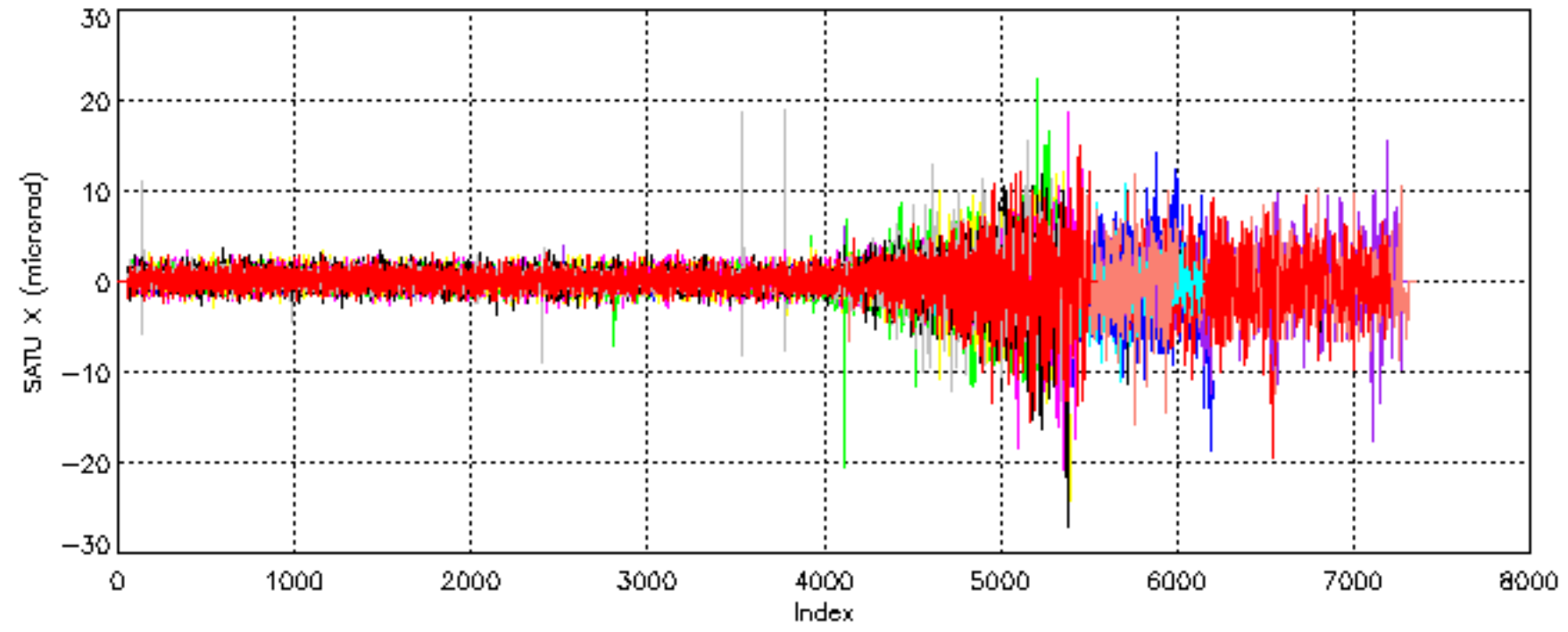


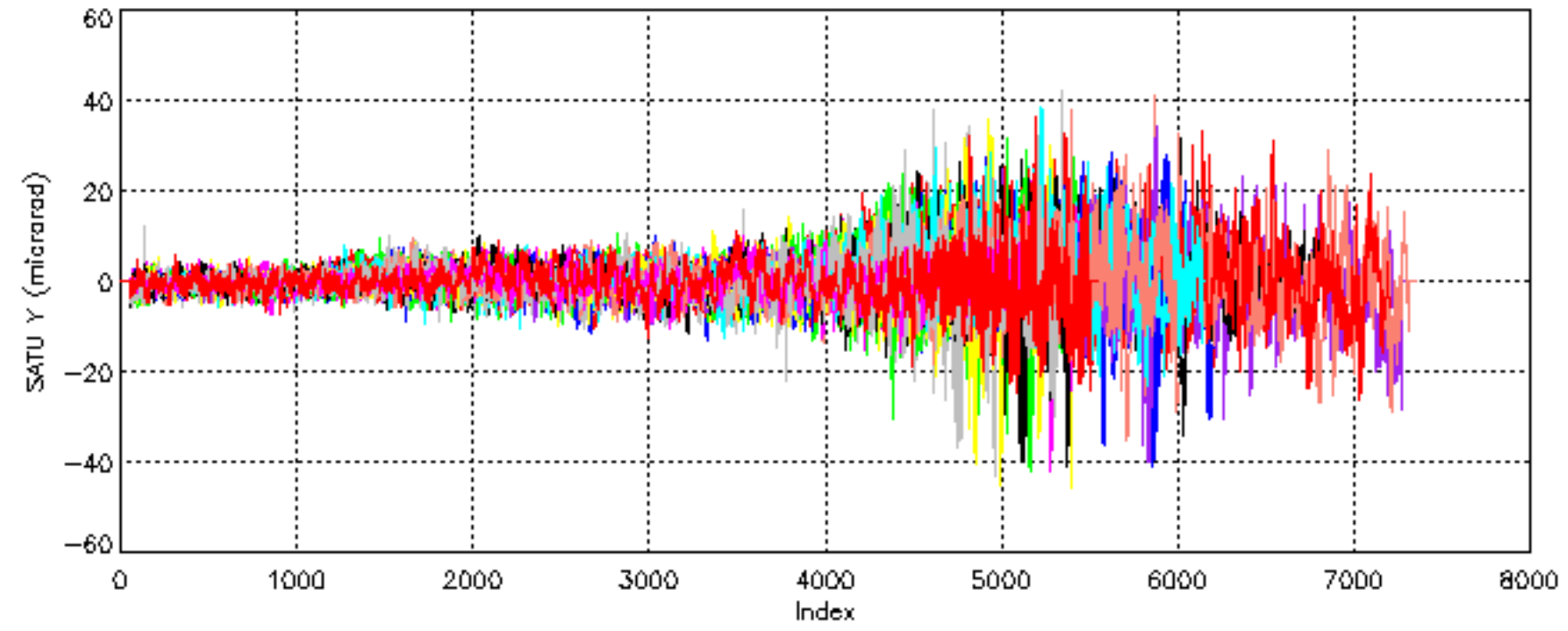
Tangent altitude at which the star is lost

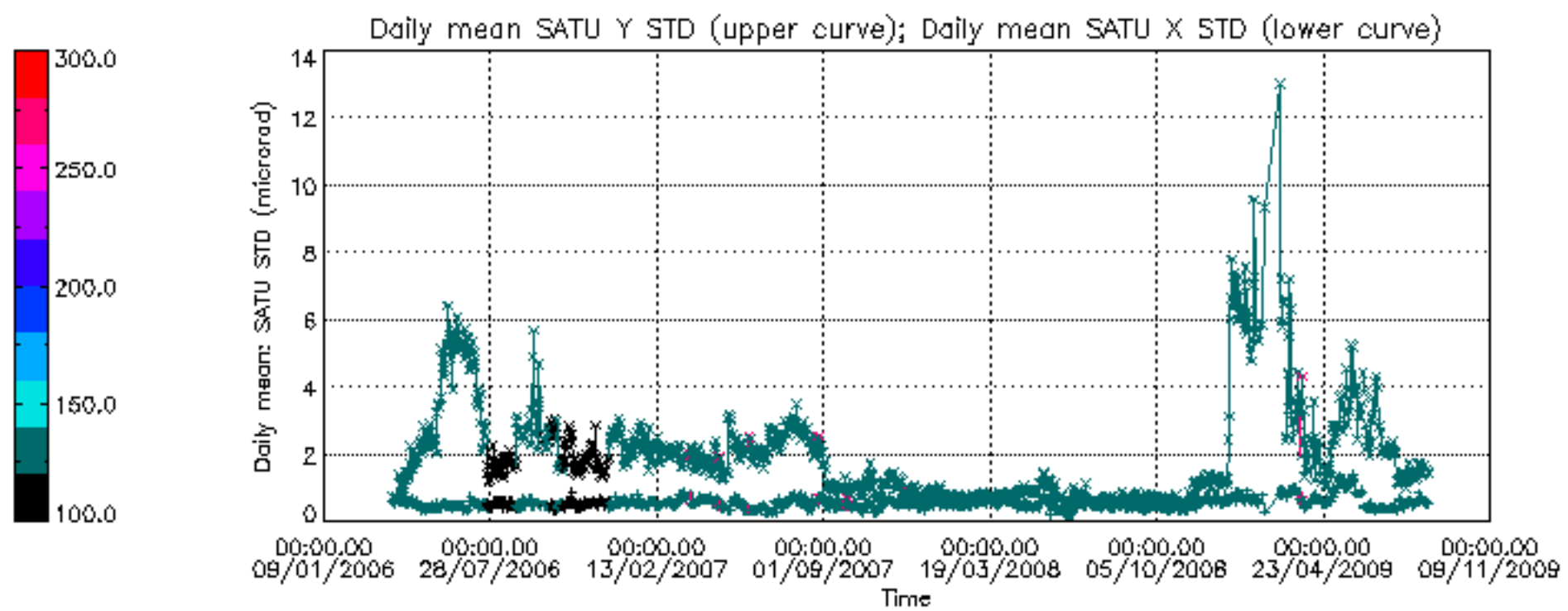


Tangent altitude at which the star is lost









/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20090801_002250_000055632081_00159_38790_8268.N1

1; -711.5; 01-AUG-2009 00:22:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 71;38790
 2; -588.9; 01-AUG-2009 00:24:53; Dark ; 55.5; 165; 34Gam Eri ; 2.95; 3200;occ; 111; 0;38790
 3; -23.8; 01-AUG-2009 00:34:18; Dark ; 44.5; 157; The1Eri ; 2.91; 9300;occ; 89; 0;38790
 4; 593.0; 01-AUG-2009 00:44:35; Dark ; 53.0; 84; Alp Phe ; 2.40; 4500;occ; 106; 0;38791
 5; 919.4; 01-AUG-2009 00:50:01; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;38791
 6; 1107.9; 01-AUG-2009 00:53:10; Dark ; 44.5; 172; Gam Gru ; 3.00; 13100;occ; 89; 0;38791
 7; 1570.1; 01-AUG-2009 01:00:52; Bright; 53.0; 142; 49Del Cap ; 2.85; 8900;occ; 106; 0;38791
 8; 1823.7; 01-AUG-2009 01:05:06; Bright; 54.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 108; 0;38791
 9; 2579.6; 01-AUG-2009 01:17:41; Bright; 42.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 85; 0;38791
 10; 2766.4; 01-AUG-2009 01:20:48; Bright; 61.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 122; 0;38791
 11; 3090.9; 01-AUG-2009 01:26:13; Bright; 36.0; 89; 5Alp Cep ; 2.45; 8000;occ; 72; 0;38791
 12; 3478.8; 01-AUG-2009 01:32:41; Bright; 49.5; 74; 11Bet Cas ; 2.27; 6600;occ; 99; 0;38791
 13; 3596.5; 01-AUG-2009 01:34:38; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;38791
 14; 3979.2; 01-AUG-2009 01:41:01; Bright; 46.5; 160; 23Gam Per ; 2.93; 4700;occ; 93; 0;38791
 15; 4078.5; 01-AUG-2009 01:42:40; Bright; 50.0; 35; 33Alp Per ; 1.79; 6250;occ; 100; 0;38791
 16; 4315.6; 01-AUG-2009 01:46:37; Bright; 47.5; 149; 45Eps Per ; 2.89; 30000;occ; 95; 0;38791
 17; 4501.5; 01-AUG-2009 01:49:43; Dark ; 54.5; 150; 44Zet Per ; 2.89; 28000;occ; 109; 0;38791
 18; 4789.6; 01-AUG-2009 01:54:32; Dark ; 62.5; 13; 87Alp Tau ; 0.87; 3800;occ; 125; 0;38791

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20090801_020252_000043462081_00160_38791_8269.N1

1; -746.0; 01-AUG-2009 02:02:52; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38791
 2; -588.1; 01-AUG-2009 02:05:30; Dark ; 58.0; 165; 34Gam Eri ; 2.95; 3200;occ; 116; 0;38791
 3; -22.9; 01-AUG-2009 02:14:55; Dark ; 46.0; 157; The1Eri ; 2.91; 9300;occ; 92; 0;38791
 4; 594.1; 01-AUG-2009 02:25:12; Dark ; 55.0; 84; Alp Phe ; 2.40; 4500;occ; 110; 0;38792
 5; 919.9; 01-AUG-2009 02:30:38; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;38792
 6; 1108.3; 01-AUG-2009 02:33:46; Dark ; 45.5; 172; Gam Gru ; 3.00; 13100;occ; 91; 0;38792
 7; 1570.1; 01-AUG-2009 02:41:28; Bright; 51.0; 142; 49Del Cap ; 2.85; 8900;occ; 102; 0;38792
 8; 1823.6; 01-AUG-2009 02:45:41; Bright; 53.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 106; 0;38792
 9; 2579.1; 01-AUG-2009 02:58:17; Bright; 45.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 90; 0;38792
 10; 2765.9; 01-AUG-2009 03:01:24; Bright; 42.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 85; 0;38792
 11; 3090.6; 01-AUG-2009 03:06:48; Bright; 36.5; 89; 5Alp Cep ; 2.45; 8000;occ; 73; 0;38792
 12; 3478.4; 01-AUG-2009 03:13:16; Bright; 49.5; 74; 11Bet Cas ; 2.27; 6600;occ; 99; 0;38792
 13; 3595.8; 01-AUG-2009 03:15:14; Bright; 5.0; 76; 27Gam Cas ; 2.30; 30000;occ; 10; 0;38792

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20090801_031514_000060852081_00161_38792_8270.N1

1;-2440.2; 01-AUG-2009 03:15:14; Bright; 49.5; 76; 27Gam Cas ; 2.30; 30000;occ; 99; 0;38792
 2;-2057.2; 01-AUG-2009 03:21:37; Bright; 49.0; 160; 23Gam Per ; 2.93; 4700;occ; 98; 0;38792
 3;-1957.7; 01-AUG-2009 03:23:16; Bright; 61.0; 35; 33Alp Per ; 1.79; 6250;occ; 122; 0;38792
 4;-1720.3; 01-AUG-2009 03:27:13; Bright; 45.5; 149; 45Eps Per ; 2.89; 30000;occ; 91; 0;38792
 5;-1534.4; 01-AUG-2009 03:30:19; Dark ; 55.0; 150; 44Zet Per ; 2.89; 28000;occ; 110; 0;38792
 6;-1245.8; 01-AUG-2009 03:35:08; Dark ; 44.0; 13; 87Alp Tau ; 0.87; 3800;occ; 88; 0;38792
 7;-1085.9; 01-AUG-2009 03:37:48; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38792
 8; -587.1; 01-AUG-2009 03:46:07; Dark ; 57.0; 165; 34Gam Eri ; 2.95; 3200;occ; 114; 0;38792
 9; -21.8; 01-AUG-2009 03:55:32; Dark ; 44.5; 157; The1Eri ; 2.91; 9300;occ; 89; 0;38792
 10; 595.3; 01-AUG-2009 04:05:49; Dark ; 59.0; 84; Alp Phe ; 2.40; 4500;occ; 118; 0;38793
 11; 920.5; 01-AUG-2009 04:11:14; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;38793
 12; 1109.0; 01-AUG-2009 04:14:23; Dark ; 45.5; 172; Gam Gru ; 3.00; 13100;occ; 91; 0;38793
 13; 1570.6; 01-AUG-2009 04:22:04; Bright; 52.0; 142; 49Del Cap ; 2.85; 8900;occ; 104; 0;38793
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13; 4200.5; 06-AUG-2009 20:54:25; Bright; 44.5; 6; 13Alp Aur ; 0.08; 3400;occ; 89; 0;38874
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3; 77.3; 07-AUG-2009 22:35:16; Dark ; 48.5; 157; The1Eri ; 2.91; 9300;occ; 97; 0;38890
4; 694.2; 07-AUG-2009 22:45:33; Dark ; 56.5; 84; Alp Phe ; 2.40; 4500;occ; 113; 0;38890
5; 906.8; 07-AUG-2009 22:49:06; Dark ; 51.0; 63; Bet Gru ; 2.15; 2800;occ; 102; 0;38890
6; 1195.1; 07-AUG-2009 22:53:54; Dark ; 60.0; 18; 24Alp PsA ; 1.17; 9700;occ; 120; 0;38890
7; 1579.6; 07-AUG-2009 23:00:19; Bright; 67.0; 142; 49Del Cap ; 2.85; 8900;occ; 134; 0;38890
8; 1807.6; 07-AUG-2009 23:04:07; Bright; 44.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 88; 0;38890
9; 2163.8; 07-AUG-2009 23:10:03; Bright; 52.5; 61; 8Eps Peg ; 2.10; 3900;occ; 105; 0;38890
10; 2535.3; 07-AUG-2009 23:16:14; Bright; 39.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 78; 0;38890
11; 2619.0; 07-AUG-2009 23:17:38; Bright; 41.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 82; 0;38890
12; 2726.1; 07-AUG-2009 23:19:25; Bright; 37.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 74; 0;38890
13; 3052.4; 07-AUG-2009 23:24:51; Bright; 40.0; 89; 5Alp Cep ; 2.45; 8000;occ; 80; 0;38890
14; 3398.7; 07-AUG-2009 23:30:38; Bright; 67.0; 74; 11Bet Cas ; 2.27; 6600;occ; 134; 0;38890
15; 3526.2; 07-AUG-2009 23:32:45; Bright; 48.0; 76; 27Gam Cas ; 2.30; 30000;occ; 96; 0;38890
16; 3938.4; 07-AUG-2009 23:39:37; Bright; 49.0; 160; 23Gam Per ; 2.93; 4700;occ; 98; 0;38890
17; 4046.8; 07-AUG-2009 23:41:26; Bright; 53.0; 35; 33Alp Per ; 1.79; 6250;occ; 106; 0;38890
18; 4200.2; 07-AUG-2009 23:43:59; Bright; 58.0; 6; 13Alp Aur ; 0.08; 3400;occ; 116; 0;38890
19; 4309.3; 07-AUG-2009 23:45:48; Bright; 53.5; 149; 45Eps Per ; 2.89; 30000;occ; 107; 0;38890
20; 4531.4; 07-AUG-2009 23:49:30; Dark ; 48.5; 28; 12Bet Tau ; 1.65; 15200;occ; 97; 0;38890
21; 4662.5; 07-AUG-2009 23:51:42; Dark ; 44.5; 176; 23Zet Tau ; 3.02; 22000;occ; 89; 0;38890
22; 4833.5; 07-AUG-2009 23:54:33; Dark ; 63.0; 13; 87Alp Tau ; 0.87; 3800;occ; 126; 0;38890
23; 4947.9; 07-AUG-2009 23:56:27; Dark ; 46.0; 27; 24Gam Ori ; 1.64; 26000;occ; 92; 0;38890
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3;-1835.5; 07-AUG-2009 06:58:00; Bright; 52.0; 6; 13Alp Aur ; 0.08; 3400;occ; 104; 0;38880
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5;-1506.1; 07-AUG-2009 07:03:30; Dark ; 47.0; 28; 12Bet Tau ; 1.65; 15200;occ; 94; 0;38880
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8; -817.8; 07-AUG-2009 07:14:58; Dark ; 54.5; 7; 19Bet Ori ; 0.10; 14000;occ; 109; 0;38880
9; -492.4; 07-AUG-2009 07:20:23; Dark ; 61.5; 165; 34Gam Eri ; 2.95; 3200;occ; 123; 0;38880
10; -234.8; 07-AUG-2009 07:24:41; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38880
11; 685.7; 07-AUG-2009 07:40:01; Dark ; 53.5; 84; Alp Phe ; 2.40; 4500;occ; 107; 0;38881
12; 901.9; 07-AUG-2009 07:43:38; Dark ; 60.0; 63; Bet Gru ; 2.15; 2800;occ; 120; 0;38881
13; 1190.1; 07-AUG-2009 07:48:26; Dark ; 60.5; 18; 24Alp PsA ; 1.17; 9700;occ; 121; 0;38881
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3; 2538.8; 07-AUG-2009 08:10:55; Bright; 60.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 120; 0;38881
4; 2621.5; 07-AUG-2009 08:12:17; Bright; 39.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 78; 0;38881
5; 2729.4; 07-AUG-2009 08:14:05; Bright; 41.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 82; 0;38881
6; 3055.6; 07-AUG-2009 08:19:31; Bright; 38.0; 89; 5Alp Cep ; 2.45; 8000;occ; 76; 0;38881
7; 3406.2; 07-AUG-2009 08:25:22; Bright; 50.0; 74; 11Bet Cas ; 2.27; 6600;occ; 100; 0;38881
8; 3532.7; 07-AUG-2009 08:27:28; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;38881
9; 3942.8; 07-AUG-2009 08:34:18; Bright; 73.0; 160; 23Gam Per ; 2.93; 4700;occ; 146; 0;38881
10; 4050.2; 07-AUG-2009 08:36:06; Bright; 73.0; 35; 33Alp Per ; 1.79; 6250;occ; 146; 0;38881
11; 4200.5; 07-AUG-2009 08:38:36; Bright; 47.5; 6; 13Alp Aur ; 0.08; 3400;occ; 95; 0;38881
12; 4310.2; 07-AUG-2009 08:40:26; Bright; 52.5; 149; 45Eps Per ; 2.89; 30000;occ; 105; 0;38881
13; 4530.0; 07-AUG-2009 08:44:06; Dark ; 47.0; 28; 12Bet Tau ; 1.65; 15200;occ; 94; 0;38881

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 15; 4944.4; 07-AUG-2009 08:51:00; Dark ; 46.0; 27; 24Gam Ori ; 1.64; 26000;occ; 92; 0;38881
 16; 5218.5; 07-AUG-2009 08:55:34; Dark ; 51.5; 7; 19Bet Ori ; 0.10; 14000;occ; 103; 0;38881
 17; 5544.6; 07-AUG-2009 09:01:00; Dark ; 62.5; 165; 34Gam Eri ; 2.95; 3200;occ; 125; 0;38881
 18; 5801.9; 07-AUG-2009 09:05:18; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;38881
 19; 6104.8; 07-AUG-2009 09:10:20; Dark ; 47.0; 157; The1Eri ; 2.91; 9300;occ; 94; 0;38881
 20; 6722.6; 07-AUG-2009 09:20:38; Dark ; 55.5; 84; Alp Phe ; 2.40; 4500;occ; 111; 0;38881
 21; 6938.5; 07-AUG-2009 09:24:14; Dark ; 57.5; 63; Bet Gru ; 2.15; 2800;occ; 115; 0;38881
 22; 7226.6; 07-AUG-2009 09:29:02; Dark ; 61.0; 18; 24Alp PsA ; 1.17; 9700;occ; 122; 0;38881
 23; 7615.0; 07-AUG-2009 09:35:31; Bright; 45.0; 142; 49Del Cap ; 2.85; 8900;occ; 90; 0;38881

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 3; 2538.6; 07-AUG-2009 09:51:30; Bright; 60.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 120; 0;38882
 4; 2621.2; 07-AUG-2009 09:52:53; Bright; 40.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 80; 0;38882
 5; 2728.9; 07-AUG-2009 09:54:41; Bright; 40.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 81; 0;38882
 6; 3055.3; 07-AUG-2009 10:00:07; Bright; 38.5; 89; 5Alp Cep ; 2.45; 8000;occ; 77; 0;38882
 7; 3405.4; 07-AUG-2009 10:05:57; Bright; 48.5; 74; 11Bet Cas ; 2.27; 6600;occ; 97; 0;38882
 8; 3532.0; 07-AUG-2009 10:08:04; Bright; 72.0; 76; 27Gam Cas ; 2.30; 30000;occ; 144; 0;38882
 9; 3942.2; 07-AUG-2009 10:14:54; Bright; 53.0; 160; 23Gam Per ; 2.93; 4700;occ; 106; 0;38882
 10; 4049.9; 07-AUG-2009 10:16:42; Bright; 53.0; 35; 33Alp Per ; 1.79; 6250;occ; 106; 0;38882
 11; 4200.4; 07-AUG-2009 10:19:12; Bright; 46.5; 6; 13Alp Aur ; 0.08; 3400;occ; 93; 0;38882
 12; 4310.1; 07-AUG-2009 10:21:02; Bright; 55.5; 149; 45Eps Per ; 2.89; 30000;occ; 111; 0;38882
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 14; 4829.7; 07-AUG-2009 10:29:41; Dark ; 70.0; 13; 87Alp Tau ; 0.87; 3800;occ; 140; 0;38882
 15; 4944.7; 07-AUG-2009 10:31:36; Dark ; 47.5; 27; 24Gam Ori ; 1.64; 26000;occ; 95; 0;38882
 16; 5219.1; 07-AUG-2009 10:36:11; Dark ; 52.0; 7; 19Bet Ori ; 0.10; 14000;occ; 104; 0;38882
 17; 5545.9; 07-AUG-2009 10:41:38; Dark ; 63.5; 165; 34Gam Eri ; 2.95; 3200;occ; 127; 0;38882
 18; 5802.7; 07-AUG-2009 10:45:54; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38882
 19; 6105.8; 07-AUG-2009 10:50:57; Dark ; 48.5; 157; The1Eri ; 2.91; 9300;occ; 97; 0;38882
 20; 6723.6; 07-AUG-2009 11:01:15; Dark ; 62.5; 84; Alp Phe ; 2.40; 4500;occ; 125; 0;38882
 21; 6939.0; 07-AUG-2009 11:04:51; Dark ; 48.5; 63; Bet Gru ; 2.15; 2800;occ; 97; 0;38882
 22; 7227.2; 07-AUG-2009 11:09:39; Dark ; 56.0; 18; 24Alp PsA ; 1.17; 9700;occ; 112; 0;38882
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 2; 2167.8; 07-AUG-2009 11:25:55; Bright; 42.0; 61; 8Eps Peg ; 2.10; 3900;occ; 84; 0;38883
 3; 2538.1; 07-AUG-2009 11:32:06; Bright; 60.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 120; 0;38883
 4; 2621.0; 07-AUG-2009 11:33:29; Bright; 38.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 76; 0;38883
 5; 2728.7; 07-AUG-2009 11:35:16; Bright; 40.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 80; 0;38883
 6; 3054.9; 07-AUG-2009 11:40:42; Bright; 40.0; 89; 5Alp Cep ; 2.45; 8000;occ; 80; 0;38883
 7; 3404.6; 07-AUG-2009 11:46:32; Bright; 51.0; 74; 11Bet Cas ; 2.27; 6600;occ; 102; 0;38883
 8; 3531.3; 07-AUG-2009 11:48:39; Bright; 72.0; 76; 27Gam Cas ; 2.30; 30000;occ; 144; 0;38883
 9; 3941.6; 07-AUG-2009 11:55:29; Bright; 73.0; 160; 23Gam Per ; 2.93; 4700;occ; 146; 0;38883
 10; 4049.5; 07-AUG-2009 11:57:17; Bright; 55.0; 35; 33Alp Per ; 1.79; 6250;occ; 110; 0;38883
 11; 4200.4; 07-AUG-2009 11:59:48; Bright; 46.0; 6; 13Alp Aur ; 0.08; 3400;occ; 92; 0;38883
 12; 4310.0; 07-AUG-2009 12:01:38; Bright; 53.0; 149; 45Eps Per ; 2.89; 30000;occ; 106; 0;38883
 13; 4530.5; 07-AUG-2009 12:05:18; Dark ; 48.5; 28; 12Bet Tau ; 1.65; 15200;occ; 97; 0;38883
 14; 4830.2; 07-AUG-2009 12:10:18; Dark ; 70.0; 13; 87Alp Tau ; 0.87; 3800;occ; 140; 0;38883
 15; 4945.2; 07-AUG-2009 12:12:13; Dark ; 45.5; 27; 24Gam Ori ; 1.64; 26000;occ; 91; 0;38883
 16; 5219.7; 07-AUG-2009 12:16:47; Dark ; 55.0; 7; 19Bet Ori ; 0.10; 14000;occ; 110; 0;38883
 17; 5547.0; 07-AUG-2009 12:22:15; Dark ; 58.5; 165; 34Gam Eri ; 2.95; 3200;occ; 117; 0;38883
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 19; 6106.7; 07-AUG-2009 12:31:34; Dark ; 47.0; 157; The1Eri ; 2.91; 9300;occ; 94; 0;38883
 20; 6724.5; 07-AUG-2009 12:41:52; Dark ; 57.5; 84; Alp Phe ; 2.40; 4500;occ; 115; 0;38883
 21; 6939.6; 07-AUG-2009 12:45:27; Dark ; 49.0; 63; Bet Gru ; 2.15; 2800;occ; 98; 0;38883
 22; 7227.7; 07-AUG-2009 12:50:15; Dark ; 61.5; 18; 24Alp PsA ; 1.17; 9700;occ; 123; 0;38883
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 3; 2167.3; 07-AUG-2009 13:06:31; Bright; 49.0; 61; 8Eps Peg ; 2.10; 3900;occ; 98; 0;38884
 4; 2537.7; 07-AUG-2009 13:12:41; Bright; 41.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 82; 0;38884
 5; 2620.8; 07-AUG-2009 13:14:04; Bright; 39.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 78; 0;38884
 6; 2728.4; 07-AUG-2009 13:15:52; Bright; 41.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 82; 0;38884
 7; 3054.5; 07-AUG-2009 13:21:18; Bright; 39.5; 89; 5Alp Cep ; 2.45; 8000;occ; 79; 0;38884
 8; 3403.9; 07-AUG-2009 13:27:07; Bright; 48.5; 74; 11Bet Cas ; 2.27; 6600;occ; 97; 0;38884
 9; 3530.7; 07-AUG-2009 13:29:14; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;38884


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11; 4049.2; 07-AUG-2009 13:37:53; Bright; 53.0; 35; 33Alp Per ; 1.79; 6250;occ; 106; 0;38884
12; 4200.5; 07-AUG-2009 13:40:24; Bright; 45.5; 6; 13Alp Aur ; 0.08; 3400;occ; 91; 0;38884
13; 4310.0; 07-AUG-2009 13:42:13; Bright; 51.0; 149; 45Eps Per ; 2.89; 30000;occ; 102; 0;38884
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15; 4830.7; 07-AUG-2009 13:50:54; Dark ; 71.0; 13; 87Alp Tau ; 0.87; 3800;occ; 142; 0;38884
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20; 6107.9; 07-AUG-2009 14:12:11; Dark ; 49.0; 157; The1Eri ; 2.91; 9300;occ; 98; 0;38884
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22; 6940.2; 07-AUG-2009 14:26:04; Dark ; 48.5; 63; Bet Gru ; 2.15; 2800;occ; 97; 0;38884
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 3; 2166.8; 07-AUG-2009 14:47:06; Bright; 49.0; 61; 8Eps Peg ; 2.10; 3900;occ; 98; 0;38885
 4; 2537.7; 07-AUG-2009 14:53:17; Bright; 39.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 79; 0;38885
 5; 2620.7; 07-AUG-2009 14:54:40; Bright; 56.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 112; 0;38885
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 8; 3403.2; 07-AUG-2009 15:07:42; Bright; 50.0; 74; 11Bet Cas ; 2.27; 6600;occ; 100; 0;38885
 9; 3530.0; 07-AUG-2009 15:09:49; Bright; 48.5; 76; 27Gam Cas ; 2.30; 30000;occ; 97; 0;38885
10; 3941.0; 07-AUG-2009 15:16:40; Bright; 49.0; 160; 23Gam Per ; 2.93; 4700;occ; 98; 0;38885
11; 4048.9; 07-AUG-2009 15:18:28; Bright; 54.0; 35; 33Alp Per ; 1.79; 6250;occ; 108; 0;38885
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13; 4310.1; 07-AUG-2009 15:22:49; Bright; 53.0; 149; 45Eps Per ; 2.89; 30000;occ; 106; 0;38885
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21; 6726.6; 07-AUG-2009 16:03:06; Dark ; 53.0; 84; Alp Phe ; 2.40; 4500;occ; 106; 0;38885
22; 6940.9; 07-AUG-2009 16:06:40; Dark ; 47.5; 63; Bet Gru ; 2.15; 2800;occ; 95; 0;38885
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21; 6739.0; 08-AUG-2009 13:51:05; Dark ; 56.0; 84; Alp Phe ; 2.40; 4500;occ; 112; 0;38898
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4; 2532.3; 08-AUG-2009 14:21:35; Bright; 39.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 79; 0;38899
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6; 3049.2; 08-AUG-2009 14:30:11; Bright; 39.5; 89; 5Alp Cep ; 2.45; 8000;occ; 79; 0;38899
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8; 3519.7; 08-AUG-2009 14:38:02; Bright; 47.0; 76; 27Gam Cas ; 2.30; 30000;occ; 94; 0;38899
9; 3934.3; 08-AUG-2009 14:44:57; Bright; 50.0; 160; 23Gam Per ; 2.93; 4700;occ; 100; 0;38899
10; 4043.8; 08-AUG-2009 14:46:46; Bright; 54.0; 35; 33Alp Per ; 1.79; 6250;occ; 108; 0;38899
11; 4200.1; 08-AUG-2009 14:49:22; Bright; 44.5; 6; 13Alp Aur ; 0.08; 3400;occ; 89; 0;38899
12; 4308.6; 08-AUG-2009 14:51:11; Bright; 51.5; 149; 45Eps Per ; 2.89; 30000;occ; 103; 0;38899
13; 4533.3; 08-AUG-2009 14:54:56; Dark ; 49.5; 28; 12Bet Tau ; 1.65; 15200;occ; 99; 0;38899
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21; 6740.1; 08-AUG-2009 15:31:42; Dark ; 58.0; 84; Alp Phe ; 2.40; 4500;occ; 116; 0;38899
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23; 7236.7; 08-AUG-2009 15:39:59; Dark ; 57.5; 18; 24Alp PsA ; 1.17; 9700;occ; 115; 0;38899

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3; 2158.5; 08-AUG-2009 15:55:57; Bright; 52.0; 61; 8Eps Peg ; 2.10; 3900;occ; 104; 0;38900

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6; 3048.8; 08-AUG-2009 16:10:47; Bright; 38.5; 89; 5Alp Cep ; 2.45; 8000;occ; 77; 0;38900
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8; 3518.9; 08-AUG-2009 16:18:37; Bright; 50.0; 76; 27Gam Cas ; 2.30; 30000;occ; 100; 0;38900
9; 3933.9; 08-AUG-2009 16:25:32; Bright; 51.0; 160; 23Gam Per ; 2.93; 4700;occ; 102; 0;38900
10; 4043.3; 08-AUG-2009 16:27:21; Bright; 58.0; 35; 33Alp Per ; 1.79; 6250;occ; 116; 0;38900
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12; 4308.5; 08-AUG-2009 16:31:47; Bright; 53.5; 149; 45Eps Per ; 2.89; 30000;occ; 107; 0;38900
13; 4533.3; 08-AUG-2009 16:35:32; Dark ; 49.0; 28; 12Bet Tau ; 1.65; 15200;occ; 98; 0;38900
14; 4665.0; 08-AUG-2009 16:37:43; Dark ; 43.0; 176; 23Zet Tau ; 3.02; 22000;occ; 86; 0;38900
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17; 5229.7; 08-AUG-2009 16:47:08; Dark ; 56.5; 7; 19Bet Ori ; 0.10; 14000;occ; 113; 0;38900
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21; 6741.1; 08-AUG-2009 17:12:19; Dark ; 54.0; 84; Alp Phe ; 2.40; 4500;occ; 108; 0;38900
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3; 1806.8; 08-AUG-2009 17:30:41; Bright; 66.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 132; 0;38901
4; 2157.9; 08-AUG-2009 17:36:32; Bright; 52.0; 61; 8Eps Peg ; 2.10; 3900;occ; 104; 0;38901
5; 2531.6; 08-AUG-2009 17:42:46; Bright; 38.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 76; 0;38901
6; 2722.6; 08-AUG-2009 17:45:57; Bright; 39.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 79; 0;38901
7; 3048.7; 08-AUG-2009 17:51:23; Bright; 39.0; 89; 5Alp Cep ; 2.45; 8000;occ; 78; 0;38901
8; 3390.1; 08-AUG-2009 17:57:04; Bright; 50.0; 74; 11Bet Cas ; 2.27; 6600;occ; 100; 0;38901
9; 3518.0; 08-AUG-2009 17:59:12; Bright; 50.5; 76; 27Gam Cas ; 2.30; 30000;occ; 101; 0;38901
10; 3933.4; 08-AUG-2009 18:06:08; Bright; 70.5; 160; 23Gam Per ; 2.93; 4700;occ; 141; 0;38901
11; 4042.8; 08-AUG-2009 18:07:57; Bright; 55.0; 35; 33Alp Per ; 1.79; 6250;occ; 110; 0;38901
12; 4199.9; 08-AUG-2009 18:10:34; Bright; 55.5; 6; 13Alp Aur ; 0.08; 3400;occ; 111; 0;38901
13; 4308.4; 08-AUG-2009 18:12:23; Bright; 56.0; 149; 45Eps Per ; 2.89; 30000;occ; 112; 0;38901
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16; 4839.4; 08-AUG-2009 18:21:14; Dark ; 63.5; 13; 87Alp Tau ; 0.87; 3800;occ; 127; 0;38901
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19; 5569.7; 08-AUG-2009 18:33:24; Dark ; 63.0; 165; 34Gam Eri ; 2.95; 3200;occ; 126; 0;38901
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21; 6126.4; 08-AUG-2009 18:42:41; Dark ; 49.0; 157; The1Eri ; 2.91; 9300;occ; 98; 0;38901
22; 6742.1; 08-AUG-2009 18:52:56; Dark ; 53.0; 84; Alp Phe ; 2.40; 4500;occ; 106; 0;38901
23; 6949.3; 08-AUG-2009 18:56:24; Dark ; 56.0; 63; Bet Gru ; 2.15; 2800;occ; 112; 0;38901
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5; 2531.5; 08-AUG-2009 19:23:22; Bright; 39.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 79; 0;38902
6; 2722.3; 08-AUG-2009 19:26:33; Bright; 39.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 79; 0;38902
7; 3048.2; 08-AUG-2009 19:31:58; Bright; 40.5; 89; 5Alp Cep ; 2.45; 8000;occ; 81; 0;38902
8; 3389.3; 08-AUG-2009 19:37:40; Bright; 49.0; 74; 11Bet Cas ; 2.27; 6600;occ; 98; 0;38902
9; 3517.3; 08-AUG-2009 19:39:48; Bright; 50.0; 76; 27Gam Cas ; 2.30; 30000;occ; 100; 0;38902
10; 3932.8; 08-AUG-2009 19:46:43; Bright; 54.5; 160; 23Gam Per ; 2.93; 4700;occ; 109; 0;38902
11; 4042.3; 08-AUG-2009 19:48:33; Bright; 54.5; 35; 33Alp Per ; 1.79; 6250;occ; 109; 0;38902
12; 4199.8; 08-AUG-2009 19:51:10; Bright; 47.5; 6; 13Alp Aur ; 0.08; 3400;occ; 95; 0;38902
13; 4308.3; 08-AUG-2009 19:52:58; Bright; 52.5; 149; 45Eps Per ; 2.89; 30000;occ; 105; 0;38902
14; 4533.7; 08-AUG-2009 19:56:44; Dark ; 47.0; 28; 12Bet Tau ; 1.65; 15200;occ; 94; 0;38902
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22; 6742.9; 08-AUG-2009 20:33:33; Dark ; 53.0; 84; Alp Phe ; 2.40; 4500;occ; 106; 0;38902
23; 6949.8; 08-AUG-2009 20:37:00; Dark ; 57.5; 63; Bet Gru ; 2.15; 2800;occ; 115; 0;38902

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 4; 94.8; 09-AUG-2009 01:25:09; Dark ; 49.0; 157; The1Eri ; 2.91; 9300;occ; 98; 0;38906
 5; 709.9; 09-AUG-2009 01:35:24; Dark ; 63.0; 84; Alp Phe ; 2.40; 4500;occ; 126; 0;38906
 6; 915.3; 09-AUG-2009 01:38:49; Dark ; 52.0; 63; Bet Gru ; 2.15; 2800;occ; 104; 0;38906
 7; 1203.9; 09-AUG-2009 01:43:38; Dark ; 60.0; 18; 24Alp PsA ; 1.17; 9700;occ; 120; 0;38906
 8; 1805.9; 09-AUG-2009 01:53:40; Bright; 46.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 93; 0;38906
 9; 2155.4; 09-AUG-2009 01:59:29; Bright; 49.0; 61; 8Eps Peg ; 2.10; 3900;occ; 98; 0;38906
 10; 2529.8; 09-AUG-2009 02:05:44; Bright; 39.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 78; 0;38906
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 6;-1369.2; 09-AUG-2009 02:41:20; Dark ; 43.5; 176; 23Zet Tau ; 3.02; 22000;occ; 87; 0;38906
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 12; 95.7; 09-AUG-2009 03:05:45; Dark ; 49.5; 157; The1Eri ; 2.91; 9300;occ; 99; 0;38907
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 19; 2721.0; 09-AUG-2009 03:49:31; Bright; 39.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 79; 0;38907
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 18; 2154.4; 09-AUG-2009 05:20:40; Bright; 48.5; 61; 8Eps Peg ; 2.10; 3900;occ; 97; 0;38908
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13; 712.9; 09-AUG-2009 06:37:15; Dark ; 52.5; 84; Alp Phe ; 2.40; 4500;occ; 105; 0;38909
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9; 2148.7; 09-AUG-2009 23:47:10; Bright; 51.0; 61; 8Eps Peg ; 2.10; 3900;occ; 102; 0;38919
10; 2525.6; 09-AUG-2009 23:53:26; Bright; 38.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 76; 0;38919
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13; 3375.3; 10-AUG-2009 00:07:36; Bright; 51.0; 74; 11Bet Cas ; 2.27; 6600;occ; 102; 0;38919
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 8; 3921.4; 10-AUG-2009 10:20:18; Bright; 50.5; 160; 23Gam Per ; 2.93; 4700;occ; 101; 0;38925
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 12; 4537.6; 10-AUG-2009 10:30:34; Dark ; 49.0; 28; 12Bet Tau ; 1.65; 15200;occ; 98; 0;38925
 13; 4671.4; 10-AUG-2009 10:32:48; Dark ; 43.5; 176; 23Zet Tau ; 3.02; 22000;occ; 87; 0;38925
 14; 4963.9; 10-AUG-2009 10:37:40; Dark ; 42.5; 27; 24Gam Ori ; 1.64; 26000;occ; 85; 0;38925
 15; 5071.2; 10-AUG-2009 10:39:28; Dark ; 45.0; 72; 34Del Ori ; 2.25; 30000;occ; 90; 0;38925
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 17; 5601.5; 10-AUG-2009 10:48:18; Dark ; 65.5; 165; 34Gam Eri ; 2.95; 3200;occ; 131; 0;38925
 18; 5838.8; 10-AUG-2009 10:52:15; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;38925
 19; 6152.5; 10-AUG-2009 10:57:29; Dark ; 49.5; 157; The1Eri ; 2.91; 9300;occ; 99; 0;38925
 20; 6764.9; 10-AUG-2009 11:07:41; Dark ; 53.0; 84; Alp Phe ; 2.40; 4500;occ; 106; 0;38925
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 22; 7250.3; 10-AUG-2009 11:15:47; Dark ; 54.5; 18; 24Alp PsA ; 1.17; 9700;occ; 109; 0;38925
 23; 7619.1; 10-AUG-2009 11:21:56; Bright; 63.5; 142; 49Del Cap ; 2.85; 8900;occ; 127; 0;38925

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 3; 2145.4; 10-AUG-2009 11:31:18; Bright; 49.0; 61; 8Eps Peg ; 2.10; 3900;occ; 98; 0;38926
 4; 2523.4; 10-AUG-2009 11:37:36; Bright; 38.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 77; 0;38926
 5; 2714.9; 10-AUG-2009 11:40:47; Bright; 39.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 79; 0;38926
 6; 3040.1; 10-AUG-2009 11:46:13; Bright; 37.0; 89; 5Alp Cep ; 2.45; 8000;occ; 74; 0;38926
 7; 3369.7; 10-AUG-2009 11:51:42; Bright; 49.0; 74; 11Bet Cas ; 2.27; 6600;occ; 98; 0;38926
 8; 3499.9; 10-AUG-2009 11:53:52; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;38926
 9; 3920.9; 10-AUG-2009 12:00:53; Bright; 50.0; 160; 23Gam Per ; 2.93; 4700;occ; 100; 0;38926
 10; 4032.7; 10-AUG-2009 12:02:45; Bright; 56.5; 35; 33Alp Per ; 1.79; 6250;occ; 113; 0;38926
 11; 4198.8; 10-AUG-2009 12:05:31; Bright; 59.0; 6; 13Alp Aur ; 0.08; 3400;occ; 118; 0;38926
 12; 4305.5; 10-AUG-2009 12:07:18; Bright; 44.0; 149; 45Eps Per ; 2.89; 30000;occ; 88; 0;38926
 13; 4537.8; 10-AUG-2009 12:11:10; Dark ; 49.0; 28; 12Bet Tau ; 1.65; 15200;occ; 98; 0;38926
 14; 4671.9; 10-AUG-2009 12:13:24; Dark ; 40.5; 176; 23Zet Tau ; 3.02; 22000;occ; 81; 0;38926
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 18; 5245.7; 10-AUG-2009 12:22:58; Dark ; 61.0; 7; 19Bet Ori ; 0.10; 14000;occ; 122; 0;38926
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 22; 6765.6; 10-AUG-2009 12:48:18; Dark ; 53.5; 84; Alp Phe ; 2.40; 4500;occ; 107; 0;38926
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 2; 1804.2; 10-AUG-2009 13:06:13; Bright; 42.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 85; 0;38927
 3; 2144.9; 10-AUG-2009 13:11:53; Bright; 48.5; 61; 8Eps Peg ; 2.10; 3900;occ; 97; 0;38927
 4; 2523.0; 10-AUG-2009 13:18:11; Bright; 40.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 81; 0;38927
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 6; 3039.9; 10-AUG-2009 13:26:48; Bright; 39.5; 89; 5Alp Cep ; 2.45; 8000;occ; 79; 0;38927
 7; 3368.9; 10-AUG-2009 13:32:17; Bright; 46.5; 74; 11Bet Cas ; 2.27; 6600;occ; 93; 0;38927
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 9; 3920.4; 10-AUG-2009 13:41:29; Bright; 50.5; 160; 23Gam Per ; 2.93; 4700;occ; 101; 0;38927
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 17; 5072.4; 10-AUG-2009 14:00:41; Dark ; 40.5; 72; 34Del Ori ; 2.25; 30000;occ; 81; 0;38927

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22; 6766.5; 10-AUG-2009 14:28:55; Dark ; 53.0; 84; Alp Phe ; 2.40; 4500;occ; 106; 0;38927
23; 6962.8; 10-AUG-2009 14:32:11; Dark ; 46.0; 63; Bet Gru ; 2.15; 2800;occ; 92; 0;38927
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 4; 2144.6; 10-AUG-2009 14:52:29; Bright; 51.0; 61; 8Eps Peg ; 2.10; 3900;occ; 102; 0;38928
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 9; 3498.3; 10-AUG-2009 15:15:03; Bright; 47.0; 76; 27Gam Cas ; 2.30; 30000;occ; 94; 0;38928
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13; 4305.5; 10-AUG-2009 15:28:30; Bright; 38.0; 149; 45Eps Per ; 2.89; 30000;occ; 76; 0;38928
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22; 6156.1; 10-AUG-2009 15:59:20; Dark ; 49.5; 157; The1Eri ; 2.91; 9300;occ; 99; 0;38928
23; 6767.5; 10-AUG-2009 16:09:32; Dark ; 51.5; 84; Alp Phe ; 2.40; 4500;occ; 103; 0;38928
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 3; 1804.2; 10-AUG-2009 16:27:24; Bright; 64.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 128; 0;38929
 4; 1946.3; 10-AUG-2009 16:29:46; Bright; 25.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 50; 0;38929
 5; 2144.2; 10-AUG-2009 16:33:04; Bright; 50.0; 61; 8Eps Peg ; 2.10; 3900;occ; 100; 0;38929
 6; 2522.5; 10-AUG-2009 16:39:23; Bright; 39.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 78; 0;38929
 7; 2714.0; 10-AUG-2009 16:42:34; Bright; 38.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 76; 0;38929
 8; 3039.1; 10-AUG-2009 16:47:59; Bright; 39.0; 89; 5Alp Cep ; 2.45; 8000;occ; 78; 0;38929
 9; 3367.4; 10-AUG-2009 16:53:28; Bright; 50.0; 74; 11Bet Cas ; 2.27; 6600;occ; 100; 0;38929
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12; 4031.6; 10-AUG-2009 17:04:32; Bright; 52.0; 35; 33Alp Per ; 1.79; 6250;occ; 104; 0;38929
13; 4198.8; 10-AUG-2009 17:07:19; Bright; 48.5; 6; 13Alp Aur ; 0.08; 3400;occ; 97; 0;38929
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 4;-1181.4; 10-AUG-2009 17:18:15; Dark ; 66.0; 13; 87Alp Tau ; 0.87; 3800;occ; 132; 0;38929
 5;-1070.0; 10-AUG-2009 17:20:06; Dark ; 48.5; 27; 24Gam Ori ; 1.64; 26000;occ; 97; 0;38929
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 9; -193.6; 10-AUG-2009 17:34:43; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;38929
10; 121.3; 10-AUG-2009 17:39:57; Dark ; 48.5; 157; The1Eri ; 2.91; 9300;occ; 97; 0;38930
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 2; 1583.6; 10-AUG-2009 16:23:44; Bright; 46.0; 142; 49Del Cap ; 2.85; 8900;occ; 92; 0;38929
 3; 1804.2; 10-AUG-2009 16:27:24; Bright; 64.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 128; 0;38929
 4; 1946.3; 10-AUG-2009 16:29:46; Bright; 25.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 50; 0;38929
 5; 2144.2; 10-AUG-2009 16:33:04; Bright; 50.0; 61; 8Eps Peg ; 2.10; 3900;occ; 100; 0;38929
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 13; 4198.8; 10-AUG-2009 17:07:19; Bright; 48.5; 6; 13Alp Aur ; 0.08; 3400;occ; 97; 0;38929
 14; 4305.5; 10-AUG-2009 17:09:06; Bright; 38.0; 149; 45Eps Per ; 2.89; 30000;occ; 76; 0;38929
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 17; 4854.6; 10-AUG-2009 17:18:15; Dark ; 66.0; 13; 87Alp Tau ; 0.87; 3800;occ; 132; 0;38929
 18; 4966.0; 10-AUG-2009 17:20:06; Dark ; 48.5; 27; 24Gam Ori ; 1.64; 26000;occ; 97; 0;38929
 19; 5073.5; 10-AUG-2009 17:21:54; Dark ; 45.0; 72; 34Del Ori ; 2.25; 30000;occ; 90; 0;38929
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 23; 6157.3; 10-AUG-2009 17:39:57; Dark ; 48.5; 157; The1Eri ; 2.91; 9300;occ; 97; 0;38929
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 4; 1945.9; 10-AUG-2009 18:10:22; Bright; 31.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 62; 0;38930
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 19; 5073.9; 10-AUG-2009 19:02:30; Dark ; 43.0; 72; 34Del Ori ; 2.25; 30000;occ; 86; 0;38930
 20; 5248.4; 10-AUG-2009 19:05:25; Dark ; 53.5; 7; 19Bet Ori ; 0.10; 14000;occ; 107; 0;38930
 21; 5608.4; 10-AUG-2009 19:11:25; Dark ; 69.5; 165; 34Gam Eri ; 2.95; 3200;occ; 139; 0;38930
 22; 5843.3; 10-AUG-2009 19:15:19; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38930
 23; 6158.5; 10-AUG-2009 19:20:35; Dark ; 49.5; 157; The1Eri ; 2.91; 9300;occ; 99; 0;38930
 24; 6769.3; 10-AUG-2009 19:30:45; Dark ; 64.5; 84; Alp Phe ; 2.40; 4500;occ; 129; 0;38930

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 3; 125.7; 11-AUG-2009 00:22:25; Dark ; 51.5; 157; The1Eri ; 2.91; 9300;occ; 103; 0;38934
 4; 736.0; 11-AUG-2009 00:32:36; Dark ; 56.5; 84; Alp Phe ; 2.40; 4500;occ; 113; 0;38934
 5; 1218.1; 11-AUG-2009 00:40:38; Dark ; 58.0; 18; 24Alp PsA ; 1.17; 9700;occ; 116; 0;38934
 6; 1584.0; 11-AUG-2009 00:46:44; Bright; 45.5; 142; 49Del Cap ; 2.85; 8900;occ; 91; 0;38934
 7; 1803.6; 11-AUG-2009 00:50:23; Bright; 42.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 85; 0;38934
 8; 1944.2; 11-AUG-2009 00:52:44; Bright; 45.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 90; 0;38934
 9; 2141.7; 11-AUG-2009 00:56:01; Bright; 50.0; 61; 8Eps Peg ; 2.10; 3900;occ; 100; 0;38934
 10; 2521.0; 11-AUG-2009 01:02:21; Bright; 38.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 76; 0;38934
 11; 2712.6; 11-AUG-2009 01:05:32; Bright; 36.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 72; 0;38934
 12; 3037.3; 11-AUG-2009 01:10:57; Bright; 39.0; 89; 5Alp Cep ; 2.45; 8000;occ; 78; 0;38934
 13; 3363.2; 11-AUG-2009 01:16:23; Bright; 45.5; 74; 11Bet Cas ; 2.27; 6600;occ; 91; 0;38934
 14; 3493.7; 11-AUG-2009 01:18:34; Bright; 49.5; 76; 27Gam Cas ; 2.30; 30000;occ; 99; 0;38934
 15; 3916.7; 11-AUG-2009 01:25:36; Bright; 51.5; 160; 23Gam Per ; 2.93; 4700;occ; 103; 0;38934
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 17; 4198.4; 11-AUG-2009 01:30:18; Bright; 59.0; 6; 13Alp Aur ; 0.08; 3400;occ; 118; 0;38934
 18; 4539.2; 11-AUG-2009 01:35:59; Dark ; 50.5; 28; 12Bet Tau ; 1.65; 15200;occ; 101; 0;38934
 19; 4673.9; 11-AUG-2009 01:38:14; Dark ; 44.0; 176; 23Zet Tau ; 3.02; 22000;occ; 88; 0;38934
 20; 4857.3; 11-AUG-2009 01:41:17; Dark ; 76.0; 13; 87Alp Tau ; 0.87; 3800;occ; 152; 0;38934
 21; 4968.1; 11-AUG-2009 01:43:08; Dark ; 47.0; 27; 24Gam Ori ; 1.64; 26000;occ; 94; 0;38934
 22; 5083.8; 11-AUG-2009 01:45:04; Dark ; 48.0; 30; 46Eps Ori ; 1.69; 30000;occ; 96; 0;38934

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4; -189.2; 11-AUG-2009 01:57:46; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38934
5; 126.9; 11-AUG-2009 02:03:03; Dark ; 49.0; 157; The1Eri ; 2.91; 9300;occ; 98; 0;38935
6; 737.1; 11-AUG-2009 02:13:13; Dark ; 55.5; 84; Alp Phe ; 2.40; 4500;occ; 111; 0;38935
7; 1218.7; 11-AUG-2009 02:21:14; Dark ; 55.0; 18; 24Alp PsA ; 1.17; 9700;occ; 110; 0;38935
8; 1584.2; 11-AUG-2009 02:27:20; Bright; 64.0; 142; 49Del Cap ; 2.85; 8900;occ; 128; 0;38935
9; 1803.5; 11-AUG-2009 02:30:59; Bright; 44.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 88; 0;38935
10; 1944.0; 11-AUG-2009 02:33:20; Bright; 45.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 90; 0;38935
11; 2141.1; 11-AUG-2009 02:36:37; Bright; 50.0; 61; 8Eps Peg ; 2.10; 3900;occ; 100; 0;38935
12; 2520.6; 11-AUG-2009 02:42:56; Bright; 40.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 81; 0;38935
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14; 3036.9; 11-AUG-2009 02:51:33; Bright; 37.5; 89; 5Alp Cep ; 2.45; 8000;occ; 75; 0;38935
15; 3362.6; 11-AUG-2009 02:56:58; Bright; 48.5; 74; 11Bet Cas ; 2.27; 6600;occ; 97; 0;38935
16; 3492.8; 11-AUG-2009 02:59:08; Bright; 49.0; 76; 27Gam Cas ; 2.30; 30000;occ; 98; 0;38935
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3; -1837.5; 11-AUG-2009 03:10:54; Bright; 44.0; 6; 13Alp Aur ; 0.08; 3400;occ; 88; 0;38935
4; -1496.5; 11-AUG-2009 03:16:35; Dark ; 49.5; 28; 12Bet Tau ; 1.65; 15200;occ; 99; 0;38935
5; -1361.8; 11-AUG-2009 03:18:50; Dark ; 43.5; 176; 23Zet Tau ; 3.02; 22000;occ; 87; 0;38935
6; -1178.0; 11-AUG-2009 03:21:54; Dark ; 76.0; 13; 87Alp Tau ; 0.87; 3800;occ; 152; 0;38935
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8; -951.4; 11-AUG-2009 03:25:40; Dark ; 43.5; 30; 46Eps Ori ; 1.69; 30000;occ; 87; 0;38935
9; -784.6; 11-AUG-2009 03:28:27; Dark ; 54.5; 7; 19Bet Ori ; 0.10; 14000;occ; 109; 0;38935
10; -420.5; 11-AUG-2009 03:34:31; Dark ; 66.5; 165; 34Gam Eri ; 2.95; 3200;occ; 133; 0;38935
11; -188.3; 11-AUG-2009 03:38:23; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;38935
12; 128.0; 11-AUG-2009 03:43:40; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;38936
13; 738.1; 11-AUG-2009 03:53:50; Dark ; 53.5; 84; Alp Phe ; 2.40; 4500;occ; 107; 0;38936
14; 1219.3; 11-AUG-2009 04:01:51; Dark ; 56.5; 18; 24Alp PsA ; 1.17; 9700;occ; 113; 0;38936
15; 1584.4; 11-AUG-2009 04:07:56; Bright; 44.5; 142; 49Del Cap ; 2.85; 8900;occ; 89; 0;38936
16; 1803.6; 11-AUG-2009 04:11:35; Bright; 45.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 90; 0;38936
17; 1943.7; 11-AUG-2009 04:13:55; Bright; 50.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 101; 0;38936
18; 2140.9; 11-AUG-2009 04:17:12; Bright; 49.0; 61; 8Eps Peg ; 2.10; 3900;occ; 98; 0;38936
19; 2520.3; 11-AUG-2009 04:23:32; Bright; 40.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 81; 0;38936
20; 2712.1; 11-AUG-2009 04:26:44; Bright; 39.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 78; 0;38936
21; 3037.0; 11-AUG-2009 04:32:09; Bright; 38.0; 89; 5Alp Cep ; 2.45; 8000;occ; 76; 0;38936
22; 3361.8; 11-AUG-2009 04:37:33; Bright; 49.5; 74; 11Bet Cas ; 2.27; 6600;occ; 99; 0;38936
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3; -1837.6; 11-AUG-2009 04:51:30; Bright; 47.5; 6; 13Alp Aur ; 0.08; 3400;occ; 95; 0;38936
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5; -1361.4; 11-AUG-2009 04:59:26; Dark ; 43.0; 176; 23Zet Tau ; 3.02; 22000;occ; 86; 0;38936
6; -1177.3; 11-AUG-2009 05:02:30; Dark ; 70.5; 13; 87Alp Tau ; 0.87; 3800;occ; 141; 0;38936
7; -1066.7; 11-AUG-2009 05:04:21; Dark ; 47.5; 27; 24Gam Ori ; 1.64; 26000;occ; 95; 0;38936
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9; -783.8; 11-AUG-2009 05:09:04; Dark ; 60.5; 7; 19Bet Ori ; 0.10; 14000;occ; 121; 0;38936
10; -419.1; 11-AUG-2009 05:15:09; Dark ; 67.0; 165; 34Gam Eri ; 2.95; 3200;occ; 134; 0;38936
11; -187.4; 11-AUG-2009 05:19:00; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38936
12; 129.0; 11-AUG-2009 05:24:17; Dark ; 50.5; 157; The1Eri ; 2.91; 9300;occ; 101; 0;38937
13; 738.9; 11-AUG-2009 05:34:26; Dark ; 57.0; 84; Alp Phe ; 2.40; 4500;occ; 114; 0;38937
14; 1220.0; 11-AUG-2009 05:42:28; Dark ; 53.0; 18; 24Alp PsA ; 1.17; 9700;occ; 106; 0;38937
15; 1584.4; 11-AUG-2009 05:48:32; Bright; 44.5; 142; 49Del Cap ; 2.85; 8900;occ; 89; 0;38937
16; 1803.6; 11-AUG-2009 05:52:11; Bright; 45.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 91; 0;38937
17; 1943.4; 11-AUG-2009 05:54:31; Bright; 51.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 102; 0;38937
18; 2140.3; 11-AUG-2009 05:57:48; Bright; 48.0; 61; 8Eps Peg ; 2.10; 3900;occ; 96; 0;38937
19; 2520.3; 11-AUG-2009 06:04:08; Bright; 40.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 81; 0;38937
20; 2711.8; 11-AUG-2009 06:07:19; Bright; 37.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 74; 0;38937
21; 3036.6; 11-AUG-2009 06:12:44; Bright; 38.5; 89; 5Alp Cep ; 2.45; 8000;occ; 77; 0;38937
22; 3361.1; 11-AUG-2009 06:18:09; Bright; 49.5; 74; 11Bet Cas ; 2.27; 6600;occ; 99; 0;38937
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2; 1585.4; 11-AUG-2009 20:53:56; Bright; 54.0; 142; 49Del Cap ; 2.85; 8900;occ; 108; 0;38946
3; 1802.7; 11-AUG-2009 20:57:34; Bright; 44.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 88; 0;38946

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5; 2136.5; 11-AUG-2009 21:03:08; Bright; 46.5; 61; 8Eps Peg ; 2.10; 3900;occ; 93; 0;38946
6; 2517.3; 11-AUG-2009 21:09:28; Bright; 40.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 81; 0;38946
7; 2709.2; 11-AUG-2009 21:12:40; Bright; 39.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 78; 0;38946
8; 3033.8; 11-AUG-2009 21:18:05; Bright; 38.5; 89; 5Alp Cep ; 2.45; 8000;occ; 77; 0;38946
9; 3353.7; 11-AUG-2009 21:23:25; Bright; 50.0; 74; 11Bet Cas ; 2.27; 6600;occ; 100; 0;38946
10; 3484.7; 11-AUG-2009 21:25:36; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;38946
11; 3910.7; 11-AUG-2009 21:32:42; Bright; 59.5; 160; 23Gam Per ; 2.93; 4700;occ; 119; 0;38946
12; 4024.1; 11-AUG-2009 21:34:35; Bright; 42.0; 35; 33Alp Per ; 1.79; 6250;occ; 84; 0;38946
13; 4098.3; 11-AUG-2009 21:35:49; Bright; 50.0; 175; 39Del Per ; 3.01; 19400;occ; 100; 0;38946
14; 4541.6; 11-AUG-2009 21:43:13; Dark ; 49.0; 28; 12Bet Tau ; 1.65; 15200;occ; 98; 0;38946
15; 4677.2; 11-AUG-2009 21:45:28; Dark ; 44.0; 176; 23Zet Tau ; 3.02; 22000;occ; 88; 0;38946
16; 4864.4; 11-AUG-2009 21:48:35; Dark ; 69.5; 13; 87Alp Tau ; 0.87; 3800;occ; 139; 0;38946
17; 4974.2; 11-AUG-2009 21:50:25; Dark ; 49.5; 27; 24Gam Ori ; 1.64; 26000;occ; 99; 0;38946
18; 5089.9; 11-AUG-2009 21:52:21; Dark ; 46.5; 30; 46Eps Ori ; 1.69; 30000;occ; 93; 0;38946
19; 5173.2; 11-AUG-2009 21:53:44; Dark ; 43.5; 125; 44Iot Ori ; 2.77; 30000;occ; 87; 0;38946
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5; 748.0; 11-AUG-2009 22:20:35; Dark ; 52.0; 84; Alp Phe ; 2.40; 4500;occ; 104; 0;38947
6; 1224.8; 11-AUG-2009 22:28:32; Dark ; 54.5; 18; 24Alp PsA ; 1.17; 9700;occ; 109; 0;38947
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8; 1802.8; 11-AUG-2009 22:38:10; Bright; 44.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 88; 0;38947
9; 1939.9; 11-AUG-2009 22:40:27; Bright; 51.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 103; 0;38947
10; 2136.3; 11-AUG-2009 22:43:43; Bright; 48.5; 61; 8Eps Peg ; 2.10; 3900;occ; 97; 0;38947
11; 2517.3; 11-AUG-2009 22:50:04; Bright; 38.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 76; 0;38947
12; 2709.1; 11-AUG-2009 22:53:16; Bright; 39.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 78; 0;38947
13; 3033.5; 11-AUG-2009 22:58:40; Bright; 39.5; 89; 5Alp Cep ; 2.45; 8000;occ; 79; 0;38947
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16; 3910.2; 11-AUG-2009 23:13:17; Bright; 53.0; 160; 23Gam Per ; 2.93; 4700;occ; 106; 0;38947
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18; 4098.0; 11-AUG-2009 23:16:25; Bright; 64.0; 175; 39Del Per ; 3.01; 19400;occ; 128; 0;38947
19; 4541.8; 11-AUG-2009 23:23:49; Dark ; 48.5; 28; 12Bet Tau ; 1.65; 15200;occ; 97; 0;38947
20; 4677.4; 11-AUG-2009 23:26:04; Dark ; 45.0; 176; 23Zet Tau ; 3.02; 22000;occ; 90; 0;38947
21; 4864.9; 11-AUG-2009 23:29:12; Dark ; 74.5; 13; 87Alp Tau ; 0.87; 3800;occ; 149; 0;38947
22; 4974.7; 11-AUG-2009 23:31:02; Dark ; 50.5; 27; 24Gam Ori ; 1.64; 26000;occ; 101; 0;38947
23; 5090.4; 11-AUG-2009 23:32:57; Dark ; 47.0; 30; 46Eps Ori ; 1.69; 30000;occ; 94; 0;38947
24; 5173.7; 11-AUG-2009 23:34:21; Dark ; 45.5; 125; 44Iot Ori ; 2.77; 30000;occ; 91; 0;38947
25; 5259.4; 11-AUG-2009 23:35:46; Dark ; 61.0; 7; 19Bet Ori ; 0.10; 14000;occ; 122; 0;38947

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4; 748.8; 12-AUG-2009 00:01:12; Dark ; 54.0; 84; Alp Phe ; 2.40; 4500;occ; 108; 0;38948
5; 1225.3; 12-AUG-2009 00:09:08; Dark ; 56.5; 18; 24Alp PsA ; 1.17; 9700;occ; 113; 0;38948
6; 1585.7; 12-AUG-2009 00:15:09; Bright; 44.5; 142; 49Del Cap ; 2.85; 8900;occ; 89; 0;38948
7; 1802.4; 12-AUG-2009 00:18:45; Bright; 59.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 119; 0;38948
8; 1939.6; 12-AUG-2009 00:21:02; Bright; 51.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 102; 0;38948
9; 2135.7; 12-AUG-2009 00:24:18; Bright; 47.5; 61; 8Eps Peg ; 2.10; 3900;occ; 95; 0;38948
10; 2516.8; 12-AUG-2009 00:30:40; Bright; 36.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 73; 0;38948
11; 2708.9; 12-AUG-2009 00:33:52; Bright; 35.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 71; 0;38948
12; 3033.3; 12-AUG-2009 00:39:16; Bright; 38.5; 89; 5Alp Cep ; 2.45; 8000;occ; 77; 0;38948
13; 3352.1; 12-AUG-2009 00:44:35; Bright; 46.0; 74; 11Bet Cas ; 2.27; 6600;occ; 92; 0;38948
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19; 4677.7; 12-AUG-2009 01:06:40; Dark ; 45.0; 176; 23Zet Tau ; 3.02; 22000;occ; 90; 0;38948
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21; 4975.2; 12-AUG-2009 01:11:38; Dark ; 50.0; 27; 24Gam Ori ; 1.64; 26000;occ; 100; 0;38948
22; 5091.0; 12-AUG-2009 01:13:34; Dark ; 46.5; 30; 46Eps Ori ; 1.69; 30000;occ; 93; 0;38948
23; 5174.4; 12-AUG-2009 01:14:57; Dark ; 45.0; 125; 44Iot Ori ; 2.77; 30000;occ; 90; 0;38948
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 13; 740.0; 11-AUG-2009 07:15:04; Dark ; 62.5; 84; Alp Phe ; 2.40; 4500;occ; 125; 0;38938
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 15; 1584.5; 11-AUG-2009 07:29:08; Bright; 63.5; 142; 49Del Cap ; 2.85; 8900;occ; 127; 0;38938

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 3; 2140.2; 11-AUG-2009 07:38:24; Bright; 49.5; 61; 8Eps Peg ; 2.10; 3900;occ; 99; 0;38938
 4; 2519.7; 11-AUG-2009 07:44:43; Bright; 40.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 81; 0;38938
 5; 2711.6; 11-AUG-2009 07:47:55; Bright; 39.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 78; 0;38938
 6; 3036.3; 11-AUG-2009 07:53:20; Bright; 38.0; 89; 5Alp Cep ; 2.45; 8000;occ; 76; 0;38938
 7; 3360.2; 11-AUG-2009 07:58:44; Bright; 49.5; 74; 11Bet Cas ; 2.27; 6600;occ; 99; 0;38938
 8; 3490.8; 11-AUG-2009 08:00:54; Bright; 49.5; 76; 27Gam Cas ; 2.30; 30000;occ; 99; 0;38938
 9; 3914.8; 11-AUG-2009 08:07:58; Bright; 50.0; 160; 23Gam Per ; 2.93; 4700;occ; 100; 0;38938
 10; 4027.7; 11-AUG-2009 08:09:51; Bright; 55.5; 35; 33Alp Per ; 1.79; 6250;occ; 111; 0;38938
 11; 4198.4; 11-AUG-2009 08:12:42; Bright; 49.0; 6; 13Alp Aur ; 0.08; 3400;occ; 98; 0;38938
 12; 4540.2; 11-AUG-2009 08:18:24; Dark ; 47.5; 28; 12Bet Tau ; 1.65; 15200;occ; 95; 0;38938
 13; 4675.0; 11-AUG-2009 08:20:39; Dark ; 42.5; 176; 23Zet Tau ; 3.02; 22000;occ; 85; 0;38938
 14; 4859.8; 11-AUG-2009 08:23:43; Dark ; 76.0; 13; 87Alp Tau ; 0.87; 3800;occ; 152; 0;38938
 15; 4970.1; 11-AUG-2009 08:25:34; Dark ; 42.5; 27; 24Gam Ori ; 1.64; 26000;occ; 85; 0;38938
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 17; 5253.5; 11-AUG-2009 08:30:17; Dark ; 52.0; 7; 19Bet Ori ; 0.10; 14000;occ; 104; 0;38938
 18; 5619.8; 11-AUG-2009 08:36:23; Dark ; 62.5; 165; 34Gam Eri ; 2.95; 3200;occ; 125; 0;38938
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 21; 6776.7; 11-AUG-2009 08:55:40; Dark ; 55.5; 84; Alp Phe ; 2.40; 4500;occ; 111; 0;38938
 22; 7256.7; 11-AUG-2009 09:03:40; Dark ; 56.0; 18; 24Alp PsA ; 1.17; 9700;occ; 112; 0;38938
 23; 7620.5; 11-AUG-2009 09:09:44; Bright; 49.0; 142; 49Del Cap ; 2.85; 8900;occ; 98; 0;38938

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 4; 2519.4; 11-AUG-2009 09:25:19; Bright; 39.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 79; 0;38939
 5; 2711.1; 11-AUG-2009 09:28:31; Bright; 39.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 79; 0;38939
 6; 3036.1; 11-AUG-2009 09:33:56; Bright; 57.0; 89; 5Alp Cep ; 2.45; 8000;occ; 114; 0;38939
 7; 3359.3; 11-AUG-2009 09:39:19; Bright; 49.0; 74; 11Bet Cas ; 2.27; 6600;occ; 98; 0;38939
 8; 3490.0; 11-AUG-2009 09:41:29; Bright; 48.5; 76; 27Gam Cas ; 2.30; 30000;occ; 97; 0;38939
 9; 3914.5; 11-AUG-2009 09:48:34; Bright; 51.0; 160; 23Gam Per ; 2.93; 4700;occ; 102; 0;38939
 10; 4027.4; 11-AUG-2009 09:50:27; Bright; 58.0; 35; 33Alp Per ; 1.79; 6250;occ; 116; 0;38939
 11; 4198.3; 11-AUG-2009 09:53:18; Bright; 45.0; 6; 13Alp Aur ; 0.08; 3400;occ; 90; 0;38939
 12; 4540.3; 11-AUG-2009 09:59:00; Dark ; 46.5; 28; 12Bet Tau ; 1.65; 15200;occ; 93; 0;38939
 13; 4675.3; 11-AUG-2009 10:01:15; Dark ; 43.5; 176; 23Zet Tau ; 3.02; 22000;occ; 87; 0;38939
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 16; 5086.5; 11-AUG-2009 10:08:06; Dark ; 46.0; 30; 46Eps Ori ; 1.69; 30000;occ; 92; 0;38939
 17; 5254.1; 11-AUG-2009 10:10:54; Dark ; 53.0; 7; 19Bet Ori ; 0.10; 14000;occ; 106; 0;38939
 18; 5621.2; 11-AUG-2009 10:17:01; Dark ; 72.5; 165; 34Gam Eri ; 2.95; 3200;occ; 145; 0;38939
 19; 5851.1; 11-AUG-2009 10:20:51; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;38939
 20; 6168.4; 11-AUG-2009 10:26:08; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;38939
 21; 6777.5; 11-AUG-2009 10:36:17; Dark ; 55.5; 84; Alp Phe ; 2.40; 4500;occ; 111; 0;38939
 22; 7257.3; 11-AUG-2009 10:44:17; Dark ; 54.0; 18; 24Alp PsA ; 1.17; 9700;occ; 108; 0;38939
 23; 7620.5; 11-AUG-2009 10:50:20; Bright; 62.5; 142; 49Del Cap ; 2.85; 8900;occ; 125; 0;38939

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 3; 2139.2; 11-AUG-2009 10:59:35; Bright; 46.0; 61; 8Eps Peg ; 2.10; 3900;occ; 92; 0;38940


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6; 3035.4; 11-AUG-2009 11:14:31; Bright; 40.5; 89; 5Alp Cep ; 2.45; 8000;occ; 81; 0;38940
7; 3358.5; 11-AUG-2009 11:19:54; Bright; 49.5; 74; 11Bet Cas ; 2.27; 6600;occ; 99; 0;38940
8; 3489.3; 11-AUG-2009 11:22:05; Bright; 48.5; 76; 27Gam Cas ; 2.30; 30000;occ; 97; 0;38940
9; 3913.7; 11-AUG-2009 11:29:09; Bright; 70.5; 160; 23Gam Per ; 2.93; 4700;occ; 141; 0;38940
10; 4026.9; 11-AUG-2009 11:31:02; Bright; 54.0; 35; 33Alp Per ; 1.79; 6250;occ; 108; 0;38940
11; 4100.5; 11-AUG-2009 11:32:16; Bright; 75.0; 175; 39Del Per ; 3.01; 19400;occ; 150; 0;38940
12; 4540.6; 11-AUG-2009 11:39:36; Dark ; 48.5; 28; 12Bet Tau ; 1.65; 15200;occ; 97; 0;38940
13; 4675.3; 11-AUG-2009 11:41:51; Dark ; 44.0; 176; 23Zet Tau ; 3.02; 22000;occ; 88; 0;38940
14; 4860.8; 11-AUG-2009 11:44:56; Dark ; 76.5; 13; 87Alp Tau ; 0.87; 3800;occ; 153; 0;38940
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16; 5086.9; 11-AUG-2009 11:48:42; Dark ; 44.5; 30; 46Eps Ori ; 1.69; 30000;occ; 89; 0;38940
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18; 5622.6; 11-AUG-2009 11:57:38; Dark ; 66.5; 165; 34Gam Eri ; 2.95; 3200;occ; 133; 0;38940
19; 5852.0; 11-AUG-2009 12:01:27; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38940
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21; 6778.5; 11-AUG-2009 12:16:54; Dark ; 53.0; 84; Alp Phe ; 2.40; 4500;occ; 106; 0;38940
22; 7257.7; 11-AUG-2009 12:24:53; Dark ; 55.0; 18; 24Alp PsA ; 1.17; 9700;occ; 110; 0;38940
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3; 2138.5; 11-AUG-2009 12:40:10; Bright; 55.0; 61; 8Eps Peg ; 2.10; 3900;occ; 110; 0;38941
4; 2518.9; 11-AUG-2009 12:46:30; Bright; 39.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 78; 0;38941
5; 2710.6; 11-AUG-2009 12:49:42; Bright; 56.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 112; 0;38941
6; 3035.2; 11-AUG-2009 12:55:06; Bright; 39.5; 89; 5Alp Cep ; 2.45; 8000;occ; 79; 0;38941
7; 3357.8; 11-AUG-2009 13:00:29; Bright; 46.0; 74; 11Bet Cas ; 2.27; 6600;occ; 92; 0;38941
8; 3488.6; 11-AUG-2009 13:02:40; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;38941
9; 3913.3; 11-AUG-2009 13:09:45; Bright; 58.5; 160; 23Gam Per ; 2.93; 4700;occ; 117; 0;38941
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11; 4100.2; 11-AUG-2009 13:12:51; Bright; 75.0; 175; 39Del Per ; 3.01; 19400;occ; 150; 0;38941
12; 4540.7; 11-AUG-2009 13:20:12; Dark ; 50.0; 28; 12Bet Tau ; 1.65; 15200;occ; 100; 0;38941
13; 4675.9; 11-AUG-2009 13:22:27; Dark ; 43.5; 176; 23Zet Tau ; 3.02; 22000;occ; 87; 0;38941
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21; 6779.4; 11-AUG-2009 13:57:31; Dark ; 52.5; 84; Alp Phe ; 2.40; 4500;occ; 105; 0;38941
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6; 2710.6; 11-AUG-2009 14:30:18; Bright; 56.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 112; 0;38942
7; 3035.0; 11-AUG-2009 14:35:42; Bright; 57.0; 89; 5Alp Cep ; 2.45; 8000;occ; 114; 0;38942
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10; 4026.1; 11-AUG-2009 14:52:13; Bright; 50.0; 35; 33Alp Per ; 1.79; 6250;occ; 100; 0;38942
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19; 6171.8; 11-AUG-2009 15:27:59; Dark ; 49.5; 157; The1Eri ; 2.91; 9300;occ; 99; 0;38942
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12; 4099.7; 11-AUG-2009 16:34:03; Bright; 48.5; 175; 39Del Per ; 3.01; 19400;occ; 97; 0;38943
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 9; 2135.4; 12-AUG-2009 02:04:54; Bright; 47.0; 61; 8Eps Peg ; 2.10; 3900;occ; 94; 0;38949
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21; 5097.9; 12-AUG-2009 23:01:28; Dark ; 50.0; 30; 46Eps Ori ; 1.69; 30000;occ; 100; 0;38961
22; 5181.6; 12-AUG-2009 23:02:52; Dark ; 44.0; 125; 44Iot Ori ; 2.77; 30000;occ; 88; 0;38961
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4; 761.6; 12-AUG-2009 23:29:47; Dark ; 62.0; 84; Alp Phe ; 2.40; 4500;occ; 124; 0;38962
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6; 1587.2; 12-AUG-2009 23:43:33; Bright; 44.5; 142; 49Del Cap ; 2.85; 8900;occ; 89; 0;38962
7; 1801.9; 12-AUG-2009 23:47:08; Bright; 43.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 86; 0;38962
8; 1935.1; 12-AUG-2009 23:49:21; Bright; 50.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 101; 0;38962
9; 2129.9; 12-AUG-2009 23:52:36; Bright; 47.0; 61; 8Eps Peg ; 2.10; 3900;occ; 94; 0;38962
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15; 4092.7; 13-AUG-2009 00:25:18; Bright; 48.0; 175; 39Del Per ; 3.01; 19400;occ; 96; 0;38962
16; 4196.7; 13-AUG-2009 00:27:02; Bright; 49.0; 6; 13Alp Aur ; 0.08; 3400;occ; 98; 0;38962
17; 4544.7; 13-AUG-2009 00:32:50; Dark ; 50.0; 28; 12Bet Tau ; 1.65; 15200;occ; 100; 0;38962
18; 4681.7; 13-AUG-2009 00:35:07; Dark ; 47.0; 176; 23Zet Tau ; 3.02; 22000;occ; 94; 0;38962
19; 4874.3; 13-AUG-2009 00:38:20; Dark ; 79.0; 13; 87Alp Tau ; 0.87; 3800;occ; 158; 0;38962
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21; 5098.4; 13-AUG-2009 00:42:04; Dark ; 45.5; 30; 46Eps Ori ; 1.69; 30000;occ; 91; 0;38962
22; 5182.1; 13-AUG-2009 00:43:28; Dark ; 45.5; 125; 44Iot Ori ; 2.77; 30000;occ; 91; 0;38962
23; 5269.7; 13-AUG-2009 00:44:55; Dark ; 52.5; 7; 19Bet Ori ; 0.10; 14000;occ; 105; 0;38962

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3;-1939.4; 12-AUG-2009 07:39:23; Bright; 76.0; 175; 39Del Per ; 3.01; 19400;occ; 152; 0;38952
4;-1493.2; 12-AUG-2009 07:46:49; Dark ; 46.5; 28; 12Bet Tau ; 1.65; 15200;occ; 93; 0;38952
5;-1357.0; 12-AUG-2009 07:49:05; Dark ; 43.5; 176; 23Zet Tau ; 3.02; 22000;occ; 87; 0;38952
6;-1167.7; 12-AUG-2009 07:52:15; Dark ; 65.5; 13; 87Alp Tau ; 0.87; 3800;occ; 131; 0;38952
7;-1058.7; 12-AUG-2009 07:54:04; Dark ; 44.0; 27; 24Gam Ori ; 1.64; 26000;occ; 88; 0;38952
8; -942.7; 12-AUG-2009 07:56:00; Dark ; 46.5; 30; 46Eps Ori ; 1.69; 30000;occ; 93; 0;38952
9; -859.2; 12-AUG-2009 07:57:23; Dark ; 44.0; 125; 44Iot Ori ; 2.77; 30000;occ; 88; 0;38952
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11; -395.7; 12-AUG-2009 08:05:07; Dark ; 49.0; 165; 34Gam Eri ; 2.95; 3200;occ; 98; 0;38952
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13; 147.3; 12-AUG-2009 08:14:10; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;38953
14; 753.5; 12-AUG-2009 08:24:16; Dark ; 54.5; 84; Alp Phe ; 2.40; 4500;occ; 109; 0;38953
15; 1227.7; 12-AUG-2009 08:32:10; Dark ; 56.5; 18; 24Alp PsA ; 1.17; 9700;occ; 113; 0;38953
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3; 2133.6; 12-AUG-2009 08:47:16; Bright; 47.0; 61; 8Eps Peg ; 2.10; 3900;occ; 94; 0;38953
4; 2515.6; 12-AUG-2009 08:53:38; Bright; 42.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 85; 0;38953
5; 2707.6; 12-AUG-2009 08:56:50; Bright; 56.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 112; 0;38953
6; 3031.6; 12-AUG-2009 09:02:14; Bright; 38.0; 89; 5Alp Cep ; 2.45; 8000;occ; 76; 0;38953
7; 3348.1; 12-AUG-2009 09:07:31; Bright; 49.5; 74; 11Bet Cas ; 2.27; 6600;occ; 99; 0;38953
8; 3479.6; 12-AUG-2009 09:09:42; Bright; 46.5; 76; 27Gam Cas ; 2.30; 30000;occ; 93; 0;38953
9; 3907.0; 12-AUG-2009 09:16:49; Bright; 51.5; 160; 23Gam Per ; 2.93; 4700;occ; 103; 0;38953
10; 4021.3; 12-AUG-2009 09:18:44; Bright; 29.0; 35; 33Alp Per ; 1.79; 6250;occ; 58; 0;38953
11; 4096.2; 12-AUG-2009 09:19:59; Bright; 49.0; 175; 39Del Per ; 3.01; 19400;occ; 98; 0;38953
12; 4542.9; 12-AUG-2009 09:27:25; Dark ; 50.0; 28; 12Bet Tau ; 1.65; 15200;occ; 100; 0;38953
13; 4679.3; 12-AUG-2009 09:29:42; Dark ; 44.0; 176; 23Zet Tau ; 3.02; 22000;occ; 88; 0;38953
14; 4868.7; 12-AUG-2009 09:32:51; Dark ; 70.5; 13; 87Alp Tau ; 0.87; 3800;occ; 141; 0;38953
15; 4977.8; 12-AUG-2009 09:34:40; Dark ; 48.5; 27; 24Gam Ori ; 1.64; 26000;occ; 97; 0;38953
16; 5093.7; 12-AUG-2009 09:36:36; Dark ; 45.0; 30; 46Eps Ori ; 1.69; 30000;occ; 90; 0;38953
17; 5177.0; 12-AUG-2009 09:38:00; Dark ; 42.0; 125; 44Iot Ori ; 2.77; 30000;occ; 84; 0;38953
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19; 5641.7; 12-AUG-2009 09:45:44; Dark ; 49.0; 165; 34Gam Eri ; 2.95; 3200;occ; 98; 0;38953
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22; 6790.2; 12-AUG-2009 10:04:53; Dark ; 55.0; 84; Alp Phe ; 2.40; 4500;occ; 110; 0;38953
23; 7264.1; 12-AUG-2009 10:12:47; Dark ; 54.0; 18; 24Alp PsA ; 1.17; 9700;occ; 108; 0;38953
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3; 2133.2; 12-AUG-2009 10:27:52; Bright; 47.0; 61; 8Eps Peg ; 2.10; 3900;occ; 94; 0;38954

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5; 2707.3; 12-AUG-2009 10:37:26; Bright; 39.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 78; 0;38954
6; 3031.3; 12-AUG-2009 10:42:50; Bright; 37.5; 89; 5Alp Cep ; 2.45; 8000;occ; 75; 0;38954
7; 3347.3; 12-AUG-2009 10:48:06; Bright; 48.5; 74; 11Bet Cas ; 2.27; 6600;occ; 97; 0;38954
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9; 3906.5; 12-AUG-2009 10:57:25; Bright; 51.5; 160; 23Gam Per ; 2.93; 4700;occ; 103; 0;38954
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15; 4978.2; 12-AUG-2009 11:15:17; Dark ; 44.5; 27; 24Gam Ori ; 1.64; 26000;occ; 89; 0;38954
16; 5094.2; 12-AUG-2009 11:17:13; Dark ; 42.5; 30; 46Eps Ori ; 1.69; 30000;occ; 85; 0;38954
17; 5177.6; 12-AUG-2009 11:18:36; Dark ; 44.0; 125; 44Iot Ori ; 2.77; 30000;occ; 88; 0;38954
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3; 1937.4; 12-AUG-2009 12:05:12; Bright; 50.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 101; 0;38955
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5; 2514.9; 12-AUG-2009 12:14:49; Bright; 38.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 76; 0;38955
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12; 4095.3; 12-AUG-2009 12:41:10; Bright; 76.0; 175; 39Del Per ; 3.01; 19400;occ; 152; 0;38955
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3; 1937.0; 12-AUG-2009 13:45:47; Bright; 50.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 101; 0;38956
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5; 2514.9; 12-AUG-2009 13:55:25; Bright; 57.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 114; 0;38956
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8; 3345.9; 12-AUG-2009 14:09:16; Bright; 45.5; 74; 11Bet Cas ; 2.27; 6600;occ; 91; 0;38956
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10; 3905.3; 12-AUG-2009 14:18:35; Bright; 52.0; 160; 23Gam Per ; 2.93; 4700;occ; 104; 0;38956
11; 4095.1; 12-AUG-2009 14:21:45; Bright; 75.5; 175; 39Del Per ; 3.01; 19400;occ; 151; 0;38956
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14; 4680.1; 12-AUG-2009 14:31:30; Dark ; 42.0; 176; 23Zet Tau ; 3.02; 22000;occ; 84; 0;38956
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 6; 772.9; 13-AUG-2009 21:17:46; Dark ; 61.0; 84; Alp Phe ; 2.40; 4500;occ; 122; 0;38975
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 10; 1931.2; 13-AUG-2009 21:37:04; Bright; 49.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 99; 0;38975
 11; 2124.7; 13-AUG-2009 21:40:18; Bright; 67.0; 61; 8Eps Peg ; 2.10; 3900;occ; 134; 0;38975
 12; 2509.9; 13-AUG-2009 21:46:43; Bright; 37.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 75; 0;38975
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 17; 4088.2; 13-AUG-2009 22:13:01; Bright; 39.0; 175; 39Del Per ; 3.01; 19400;occ; 78; 0;38975
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 21; 4685.3; 13-AUG-2009 22:22:58; Dark ; 45.0; 176; 23Zet Tau ; 3.02; 22000;occ; 90; 0;38975
 22; 4882.5; 13-AUG-2009 22:26:15; Dark ; 55.0; 13; 87Alp Tau ; 0.87; 3800;occ; 110; 0;38975
 23; 4989.0; 13-AUG-2009 22:28:02; Dark ; 50.5; 27; 24Gam Ori ; 1.64; 26000;occ; 101; 0;38975
 24; 5105.4; 13-AUG-2009 22:29:58; Dark ; 50.0; 30; 46Eps Ori ; 1.69; 30000;occ; 100; 0;38975


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4; 774.0; 13-AUG-2009 22:58:23; Dark ; 60.5; 84; Alp Phe ; 2.40; 4500;occ; 121; 0;38976
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6; 1588.4; 13-AUG-2009 23:11:57; Bright; 43.5; 142; 49Del Cap ; 2.85; 8900;occ; 87; 0;38976
7; 1801.0; 13-AUG-2009 23:15:30; Bright; 43.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 86; 0;38976
8; 1931.1; 13-AUG-2009 23:17:40; Bright; 49.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 98; 0;38976
9; 2124.5; 13-AUG-2009 23:20:53; Bright; 47.0; 61; 8Eps Peg ; 2.10; 3900;occ; 94; 0;38976
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12; 3329.9; 13-AUG-2009 23:40:59; Bright; 49.0; 74; 11Bet Cas ; 2.27; 6600;occ; 98; 0;38976
13; 3462.3; 13-AUG-2009 23:43:11; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;38976
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16; 4195.8; 13-AUG-2009 23:55:25; Bright; 49.5; 6; 13Alp Aur ; 0.08; 3400;occ; 99; 0;38976
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23; 5190.1; 14-AUG-2009 00:11:59; Dark ; 44.5; 125; 44Iot Ori ; 2.77; 30000;occ; 89; 0;38976
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12; 163.2; 13-AUG-2009 07:42:49; Dark ; 49.5; 157; The1Eri ; 2.91; 9300;occ; 99; 0;38967
13; 766.2; 13-AUG-2009 07:52:52; Dark ; 58.5; 84; Alp Phe ; 2.40; 4500;occ; 117; 0;38967
14; 1234.1; 13-AUG-2009 08:00:40; Dark ; 55.5; 18; 24Alp PsA ; 1.17; 9700;occ; 111; 0;38967
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2; 1933.5; 13-AUG-2009 08:12:19; Bright; 50.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 101; 0;38967
3; 2127.9; 13-AUG-2009 08:15:33; Bright; 67.0; 61; 8Eps Peg ; 2.10; 3900;occ; 134; 0;38967
4; 2511.9; 13-AUG-2009 08:21:57; Bright; 37.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 75; 0;38967
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7; 3469.1; 13-AUG-2009 08:37:55; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;38967
8; 3899.1; 13-AUG-2009 08:45:05; Bright; 52.5; 160; 23Gam Per ; 2.93; 4700;occ; 105; 0;38967
9; 4091.2; 13-AUG-2009 08:48:17; Bright; 48.0; 175; 39Del Per ; 3.01; 19400;occ; 96; 0;38967
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11; 4545.5; 13-AUG-2009 08:55:51; Dark ; 49.0; 28; 12Bet Tau ; 1.65; 15200;occ; 98; 0;38967
12; 4683.0; 13-AUG-2009 08:58:08; Dark ; 46.0; 176; 23Zet Tau ; 3.02; 22000;occ; 92; 0;38967
13; 4877.4; 13-AUG-2009 09:01:23; Dark ; 69.5; 13; 87Alp Tau ; 0.87; 3800;occ; 139; 0;38967
14; 4985.0; 13-AUG-2009 09:03:10; Dark ; 46.0; 27; 24Gam Ori ; 1.64; 26000;occ; 92; 0;38967
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19; 6200.1; 13-AUG-2009 09:23:26; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;38967
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4; 2511.5; 13-AUG-2009 10:02:33; Bright; 57.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 114; 0;38968
5; 3027.1; 13-AUG-2009 10:11:08; Bright; 38.0; 89; 5Alp Cep ; 2.45; 8000;occ; 76; 0;38968
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7; 3468.3; 13-AUG-2009 10:18:30; Bright; 49.0; 76; 27Gam Cas ; 2.30; 30000;occ; 98; 0;38968
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9; 4090.8; 13-AUG-2009 10:28:52; Bright; 53.0; 175; 39Del Per ; 3.01; 19400;occ; 106; 0;38968
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12; 4545.6; 13-AUG-2009 10:36:27; Dark ; 50.0; 28; 12Bet Tau ; 1.65; 15200;occ; 100; 0;38968
13; 4683.4; 13-AUG-2009 10:38:45; Dark ; 45.0; 176; 23Zet Tau ; 3.02; 22000;occ; 90; 0;38968
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19; 5877.4; 13-AUG-2009 10:58:39; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38968
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22; 7271.0; 13-AUG-2009 11:21:52; Dark ; 56.5; 18; 24Alp PsA ; 1.17; 9700;occ; 113; 0;38968
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21; 6202.3; 13-AUG-2009 12:44:40; Dark ; 51.0; 157; The1Eri ; 2.91; 9300;occ; 102; 0;38969
22; 6804.7; 13-AUG-2009 12:54:42; Dark ; 50.5; 84; Alp Phe ; 2.40; 4500;occ; 101; 0;38969
23; 7271.5; 13-AUG-2009 13:02:29; Dark ; 54.5; 18; 24Alp PsA ; 1.17; 9700;occ; 109; 0;38969
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4; 2126.8; 13-AUG-2009 13:17:20; Bright; 45.5; 61; 8Eps Peg ; 2.10; 3900;occ; 91; 0;38970
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6; 3026.7; 13-AUG-2009 13:32:20; Bright; 39.0; 89; 5Alp Cep ; 2.45; 8000;occ; 78; 0;38970
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9; 4090.0; 13-AUG-2009 13:50:03; Bright; 48.0; 175; 39Del Per ; 3.01; 19400;occ; 96; 0;38970
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13; 4683.9; 13-AUG-2009 13:59:57; Dark ; 43.5; 176; 23Zet Tau ; 3.02; 22000;occ; 87; 0;38970
14; 4879.4; 13-AUG-2009 14:03:13; Dark ; 71.0; 13; 87Alp Tau ; 0.87; 3800;occ; 142; 0;38970
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18; 5275.4; 13-AUG-2009 14:09:48; Dark ; 59.5; 7; 19Bet Ori ; 0.10; 14000;occ; 119; 0;38970
19; 5879.3; 13-AUG-2009 14:19:52; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38970
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4; 1932.2; 13-AUG-2009 16:35:17; Bright; 48.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 96; 0;38972
5; 2126.1; 13-AUG-2009 16:38:31; Bright; 47.0; 61; 8Eps Peg ; 2.10; 3900;occ; 94; 0;38972
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12; 4196.2; 13-AUG-2009 18:53:37; Bright; 47.5; 6; 13Alp Aur ; 0.08; 3400;occ; 95; 0;38973
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9; 2509.2; 14-AUG-2009 01:07:54; Bright; 56.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 112; 0;38977
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11; 3329.0; 14-AUG-2009 01:21:34; Bright; 47.5; 74; 11Bet Cas ; 2.27; 6600;occ; 95; 0;38977
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9; 1801.1; 14-AUG-2009 02:36:42; Bright; 40.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 81; 0;38978
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12; 2509.0; 14-AUG-2009 02:48:29; Bright; 38.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 76; 0;38978
13; 3024.0; 14-AUG-2009 02:57:04; Bright; 36.0; 89; 5Alp Cep ; 2.45; 8000;occ; 72; 0;38978
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6; -1349.9; 14-AUG-2009 03:24:47; Dark ; 46.0; 176; 23Zet Tau ; 3.02; 22000;occ; 92; 0;38978
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8; 3890.8; 14-AUG-2009 09:53:55; Bright; 30.0; 160; 23Gam Per ; 2.93; 4700;occ; 60; 0;38982
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18; 3293.9; 17-AUG-2009 04:47:55; Bright; 48.5; 74; 11Bet Cas ; 2.27; 6600;occ; 97; 0;39022
19; 3427.8; 17-AUG-2009 04:50:09; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;39022
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 3; -1479.7; 17-AUG-2009 05:08:58; Dark ; 51.5; 28; 12Bet Tau ; 1.65; 15200;occ; 103; 0;39022
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 6; -902.6; 17-AUG-2009 05:18:35; Dark ; 49.5; 30; 46Eps Ori ; 1.69; 30000;occ; 99; 0;39022
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11; 228.7; 17-AUG-2009 05:37:26; Dark ; 50.5; 157; The1Eri ; 2.91; 9300;occ; 101; 0;39023
12; 813.7; 17-AUG-2009 05:47:11; Dark ; 52.0; 84; Alp Phe ; 2.40; 4500;occ; 104; 0;39023
13; 1258.6; 17-AUG-2009 05:54:36; Dark ; 52.0; 18; 24Alp PsA ; 1.17; 9700;occ; 104; 0;39023
14; 1593.8; 17-AUG-2009 06:00:11; Bright; 43.5; 142; 49Del Cap ; 2.85; 8900;occ; 87; 0;39023
15; 1799.4; 17-AUG-2009 06:03:37; Bright; 40.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 80; 0;39023
16; 1919.2; 17-AUG-2009 06:05:36; Bright; 47.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 94; 0;39023
17; 2109.0; 17-AUG-2009 06:08:46; Bright; 42.0; 61; 8Eps Peg ; 2.10; 3900;occ; 84; 0;39023
18; 3293.1; 17-AUG-2009 06:28:30; Bright; 48.5; 74; 11Bet Cas ; 2.27; 6600;occ; 97; 0;39023
19; 3426.9; 17-AUG-2009 06:30:44; Bright; 48.0; 76; 27Gam Cas ; 2.30; 30000;occ; 96; 0;39023
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 4; 1917.0; 17-AUG-2009 21:10:58; Bright; 47.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 94; 0;39032
 5; 2106.1; 17-AUG-2009 21:14:07; Bright; 43.5; 61; 8Eps Peg ; 2.10; 3900;occ; 87; 0;39032
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9; 4191.0; 17-AUG-2009 21:48:52; Bright; 63.0; 6; 13Alp Aur ; 0.08; 3400;occ; 126; 0;39032
10; 4368.8; 17-AUG-2009 21:51:50; Bright; 40.5; 107; 37The Aur ; 2.65; 11000;occ; 81; 0;39032
11; 4557.9; 17-AUG-2009 21:54:59; Dark ; 50.5; 28; 12Bet Tau ; 1.65; 15200;occ; 101; 0;39032
12; 4702.5; 17-AUG-2009 21:57:23; Dark ; 47.5; 176; 23Zet Tau ; 3.02; 22000;occ; 95; 0;39032
13; 4943.2; 17-AUG-2009 22:01:24; Dark ; 53.5; 14; 58Alp Ori ; 0.87; 3000;occ; 107; 0;39032
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3; -603.4; 17-AUG-2009 22:09:33; Dark ; 47.5; 101; 11Alp Lep ; 2.58; 7000;occ; 95; 0;39032
4; -431.5; 17-AUG-2009 22:12:25; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39032
5; 240.7; 17-AUG-2009 22:23:37; Dark ; 51.5; 157; The1Eri ; 2.91; 9300;occ; 103; 0;39033
6; 821.7; 17-AUG-2009 22:33:18; Dark ; 49.0; 84; Alp Phe ; 2.40; 4500;occ; 98; 0;39033
7; 1262.3; 17-AUG-2009 22:40:39; Dark ; 53.0; 18; 24Alp PsA ; 1.17; 9700;occ; 106; 0;39033
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10; 1916.8; 17-AUG-2009 22:51:33; Bright; 46.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 93; 0;39033
11; 2105.8; 17-AUG-2009 22:54:42; Bright; 44.0; 61; 8Eps Peg ; 2.10; 3900;occ; 88; 0;39033
12; 3285.2; 17-AUG-2009 23:14:22; Bright; 46.5; 74; 11Bet Cas ; 2.27; 6600;occ; 93; 0;39033
13; 3375.9; 17-AUG-2009 23:15:53; Bright; 27.0; 68; 18Alp Cas ; 2.22; 4500;occ; 54; 0;39033
14; 3501.5; 17-AUG-2009 23:17:58; Bright; 61.0; 110; 37Del Cas ; 2.68; 8900;occ; 122; 0;39033
15; 4190.8; 17-AUG-2009 23:29:27; Bright; 51.0; 6; 13Alp Aur ; 0.08; 3400;occ; 102; 0;39033
16; 4368.8; 17-AUG-2009 23:32:25; Bright; 39.0; 107; 37The Aur ; 2.65; 11000;occ; 78; 0;39033
17; 4558.1; 17-AUG-2009 23:35:35; Dark ; 54.5; 28; 12Bet Tau ; 1.65; 15200;occ; 109; 0;39033
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21; 5226.0; 17-AUG-2009 23:46:43; Dark ; 48.0; 125; 44Iot Ori ; 2.77; 30000;occ; 96; 0;39033
22; 5324.7; 17-AUG-2009 23:48:21; Dark ; 38.0; 7; 19Bet Ori ; 0.10; 14000;occ; 76; 0;39033
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4; 242.0; 18-AUG-2009 00:04:15; Dark ; 51.0; 157; The1Eri ; 2.91; 9300;occ; 102; 0;39034
5; 822.7; 18-AUG-2009 00:13:55; Dark ; 61.5; 84; Alp Phe ; 2.40; 4500;occ; 123; 0;39034
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7; 1594.6; 18-AUG-2009 00:26:47; Bright; 43.0; 142; 49Del Cap ; 2.85; 8900;occ; 86; 0;39034
8; 1799.2; 18-AUG-2009 00:30:12; Bright; 41.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 83; 0;39034
9; 1916.3; 18-AUG-2009 00:32:09; Bright; 46.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 93; 0;39034
10; 2105.5; 18-AUG-2009 00:35:18; Bright; 43.0; 61; 8Eps Peg ; 2.10; 3900;occ; 86; 0;39034
11; 3284.3; 18-AUG-2009 00:54:57; Bright; 47.5; 74; 11Bet Cas ; 2.27; 6600;occ; 95; 0;39034
12; 3375.0; 18-AUG-2009 00:56:28; Bright; 29.0; 68; 18Alp Cas ; 2.22; 4500;occ; 58; 0;39034
13; 3500.3; 18-AUG-2009 00:58:33; Bright; 48.0; 110; 37Del Cas ; 2.68; 8900;occ; 96; 0;39034
14; 4190.9; 18-AUG-2009 01:10:03; Bright; 52.5; 6; 13Alp Aur ; 0.08; 3400;occ; 105; 0;39034
15; 4369.0; 18-AUG-2009 01:13:02; Bright; 40.0; 107; 37The Aur ; 2.65; 11000;occ; 80; 0;39034
16; 4558.4; 18-AUG-2009 01:16:11; Dark ; 50.5; 28; 12Bet Tau ; 1.65; 15200;occ; 101; 0;39034
17; 4703.4; 18-AUG-2009 01:18:36; Dark ; 47.5; 176; 23Zet Tau ; 3.02; 22000;occ; 95; 0;39034
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7; -816.1; 17-AUG-2009 07:00:37; Dark ; 46.5; 125; 44Iot Ori ; 2.77; 30000;occ; 93; 0;39023
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9; -609.4; 17-AUG-2009 07:04:04; Dark ; 46.5; 101; 11Alp Lep ; 2.58; 7000;occ; 93; 0;39023
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11; 230.1; 17-AUG-2009 07:18:03; Dark ; 51.0; 157; The1Eri ; 2.91; 9300;occ; 102; 0;39024
12; 814.6; 17-AUG-2009 07:27:48; Dark ; 56.0; 84; Alp Phe ; 2.40; 4500;occ; 112; 0;39024
13; 1259.0; 17-AUG-2009 07:35:12; Dark ; 50.5; 18; 24Alp PsA ; 1.17; 9700;occ; 101; 0;39024
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 3; 2108.7; 17-AUG-2009 07:49:22; Bright; 45.5; 61; 8Eps Peg ; 2.10; 3900;occ; 91; 0;39024
 4; 3292.4; 17-AUG-2009 08:09:06; Bright; 45.0; 74; 11Bet Cas ; 2.27; 6600;occ; 90; 0;39024
 5; 3426.2; 17-AUG-2009 08:11:19; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;39024
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 7; 4368.3; 17-AUG-2009 08:27:02; Bright; 39.5; 107; 37The Aur ; 2.65; 11000;occ; 79; 0;39024
 8; 4556.6; 17-AUG-2009 08:30:10; Dark ; 53.5; 28; 12Bet Tau ; 1.65; 15200;occ; 107; 0;39024
 9; 4700.2; 17-AUG-2009 08:32:33; Dark ; 46.5; 176; 23Zet Tau ; 3.02; 22000;occ; 93; 0;39024
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 3; 2108.5; 17-AUG-2009 09:29:58; Bright; 45.0; 61; 8Eps Peg ; 2.10; 3900;occ; 90; 0;39025
 4; 3291.8; 17-AUG-2009 09:49:41; Bright; 48.5; 74; 11Bet Cas ; 2.27; 6600;occ; 97; 0;39025
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 18; 7295.7; 17-AUG-2009 10:56:25; Dark ; 52.5; 18; 24Alp PsA ; 1.17; 9700;occ; 105; 0;39025
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13; 3261.8; 20-AUG-2009 03:12:32; Bright; 48.0; 74; 11Bet Cas ; 2.27; 6600;occ; 96; 0;39064
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6;	2609.2;	20-AUG-2009	16:26:27;	Bright;		40.0;	164;	44Eta Peg	;	2.95;	5400;occ;	80;	0;	39072
7;	3256.0;	20-AUG-2009	16:37:14;	Bright;		48.0;	74;	11Bet Cas	;	2.27;	6600;occ;	96;	0;	39072
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 5; 3223.7; 23-AUG-2009 18:23:02; Bright; 47.0; 74; 11Bet Cas ; 2.27; 6600;occ; 94; 0;39116
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13; 5201.0; 23-AUG-2009 18:55:59; Dark ; 53.0; 30; 46Eps Ori ; 1.69; 30000;occ; 106; 0;39116
14; 5290.6; 23-AUG-2009 18:57:29; Dark ; 51.0; 125; 44Iot Ori ; 2.77; 30000;occ; 102; 0;39116
15; 5405.4; 23-AUG-2009 18:59:24; Dark ; 60.5; 7; 19Bet Ori ; 0.10; 14000;occ; 121; 0;39116
16; 5560.2; 23-AUG-2009 19:01:59; Dark ; 49.5; 139; 9Bet Lep ; 2.83; 5600;occ; 99; 0;39116
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 4; 2573.0; 23-AUG-2009 19:52:47; Bright; 49.0; 164; 44Eta Peg ; 2.95; 5400;occ; 98; 0;39117
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 8; 4374.0; 23-AUG-2009 20:22:48; Bright; 44.5; 107; 37The Aur ; 2.65; 11000;occ; 89; 0;39117
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13; 5201.7; 23-AUG-2009 20:36:36; Dark ; 56.0; 30; 46Eps Ori ; 1.69; 30000;occ; 112; 0;39117
14; 5291.3; 23-AUG-2009 20:38:06; Dark ; 52.0; 125; 44Iot Ori ; 2.77; 30000;occ; 104; 0;39117
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 8; 4374.2; 23-AUG-2009 22:03:24; Bright; 45.0; 107; 37The Aur ; 2.65; 11000;occ; 90; 0;39118
 9; 4652.8; 23-AUG-2009 22:08:03; Dark ; 48.0; 151; 13Mu Gem ; 2.89; 3000;occ; 96; 0;39118
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 5; -358.2; 23-AUG-2009 22:25:08; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39118
 6; 345.4; 23-AUG-2009 22:36:51; Dark ; 50.5; 157; The1Eri ; 2.91; 9300;occ; 101; 0;39119
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 11; 2571.4; 23-AUG-2009 23:13:57; Bright; 65.0; 164; 44Eta Peg ; 2.95; 5400;occ; 130; 0;39119
 12; 3221.3; 23-AUG-2009 23:24:47; Bright; 46.0; 74; 11Bet Cas ; 2.27; 6600;occ; 92; 0;39119
 13; 3354.8; 23-AUG-2009 23:27:01; Bright; 47.0; 76; 27Gam Cas ; 2.30; 30000;occ; 94; 0;39119
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 15; 4374.1; 23-AUG-2009 23:44:00; Bright; 45.5; 107; 37The Aur ; 2.65; 11000;occ; 91; 0;39119
 16; 4653.1; 23-AUG-2009 23:48:39; Dark ; 55.5; 151; 13Mu Gem ; 2.89; 3000;occ; 111; 0;39119
 17; 4752.4; 23-AUG-2009 23:50:18; Dark ; 45.0; 44; 24Gam Gem ; 1.93; 11000;occ; 90; 0;39119
 18; 4988.3; 23-AUG-2009 23:54:14; Dark ; 63.0; 14; 58Alp Ori ; 0.87; 3000;occ; 126; 0;39119
 19; 5085.9; 23-AUG-2009 23:55:52; Dark ; 59.0; 27; 24Gam Ori ; 1.64; 26000;occ; 118; 0;39119
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 21; 5293.0; 23-AUG-2009 23:59:19; Dark ; 50.5; 125; 44Iot Ori ; 2.77; 30000;occ; 101; 0;39119
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 5; 888.0; 24-AUG-2009 00:26:30; Dark ; 52.0; 84; Alp Phe ; 2.40; 4500;occ; 104; 0;39120
 6; 1294.4; 24-AUG-2009 00:33:16; Dark ; 51.0; 18; 24Alp PsA ; 1.17; 9700;occ; 102; 0;39120
 7; 1902.8; 24-AUG-2009 00:43:25; Bright; 61.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 122; 0;39120
 8; 2086.9; 24-AUG-2009 00:46:29; Bright; 42.5; 61; 8Eps Peg ; 2.10; 3900;occ; 85; 0;39120
 9; 2570.7; 24-AUG-2009 00:54:33; Bright; 46.5; 164; 44Eta Peg ; 2.95; 5400;occ; 93; 0;39120
 10; 3220.7; 24-AUG-2009 01:05:23; Bright; 41.5; 74; 11Bet Cas ; 2.27; 6600;occ; 83; 0;39120
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 13; 4374.2; 24-AUG-2009 01:24:36; Bright; 41.5; 107; 37The Aur ; 2.65; 11000;occ; 83; 0;39120
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 16; 4989.2; 24-AUG-2009 01:34:51; Dark ; 66.0; 14; 58Alp Ori ; 0.87; 3000;occ; 132; 0;39120
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 4; -472.0; 24-AUG-2009 01:44:26; Dark ; 52.0; 139; 9Bet Lep ; 2.83; 5600;occ; 104; 0;39120
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 6; 347.8; 24-AUG-2009 01:58:06; Dark ; 53.0; 157; The1Eri ; 2.91; 9300;occ; 106; 0;39121
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2; 2084.2; 25-AUG-2009 11:59:00; Bright; 41.0; 61; 8Eps Peg ; 2.10; 3900;occ; 82; 0;39141
3; 2556.1; 25-AUG-2009 12:06:52; Bright; 45.0; 164; 44Eta Peg ; 2.95; 5400;occ; 90; 0;39141
4; 3206.0; 25-AUG-2009 12:17:42; Bright; 46.0; 74; 11Bet Cas ; 2.27; 6600;occ; 92; 0;39141
5; 4176.0; 25-AUG-2009 12:33:52; Bright; 53.5; 6; 13Alp Aur ; 0.08; 3400;occ; 107; 0;39141
6; 4375.3; 25-AUG-2009 12:37:12; Bright; 42.5; 107; 37The Aur ; 2.65; 11000;occ; 85; 0;39141
7; 4582.2; 25-AUG-2009 12:40:39; Dark ; 60.0; 28; 12Bet Tau ; 1.65; 15200;occ; 120; 0;39141
8; 4759.3; 25-AUG-2009 12:43:36; Dark ; 45.5; 44; 24Gam Gem ; 1.93; 11000;occ; 91; 0;39141
9; 5001.7; 25-AUG-2009 12:47:38; Dark ; 57.5; 14; 58Alp Ori ; 0.87; 3000;occ; 115; 0;39141
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11; 5222.2; 25-AUG-2009 12:51:18; Dark ; 55.0; 33; 50Zet Ori ; 1.77; 30000;occ; 110; 0;39141
12; 5312.9; 25-AUG-2009 12:52:49; Dark ; 52.5; 125; 44Iot Ori ; 2.77; 30000;occ; 105; 0;39141
13; 5406.5; 25-AUG-2009 12:54:23; Dark ; 62.0; 128; 67Bet Eri ; 2.78; 9700;occ; 124; 0;39141
14; 5523.1; 25-AUG-2009 12:56:19; Dark ; 52.5; 101; 11Alp Lep ; 2.58; 7000;occ; 105; 0;39141
15; 5699.5; 25-AUG-2009 12:59:16; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;39141
16; 6409.7; 25-AUG-2009 13:11:06; Dark ; 53.5; 157; The1Eri ; 2.91; 9300;occ; 107; 0;39141
17; 6939.3; 25-AUG-2009 13:19:56; Dark ; 49.0; 84; Alp Phe ; 2.40; 4500;occ; 98; 0;39141
18; 7337.9; 25-AUG-2009 13:26:34; Dark ; 47.5; 18; 24Alp PsA ; 1.17; 9700;occ; 95; 0;39141
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3; 3206.0; 25-AUG-2009 12:17:42; Bright; 46.0; 74; 11Bet Cas ; 2.27; 6600;occ; 92; 0;39141
4; 4176.0; 25-AUG-2009 12:33:52; Bright; 53.5; 6; 13Alp Aur ; 0.08; 3400;occ; 107; 0;39141
5; 4375.3; 25-AUG-2009 12:37:12; Bright; 42.5; 107; 37The Aur ; 2.65; 11000;occ; 85; 0;39141
6; 4582.2; 25-AUG-2009 12:40:39; Dark ; 60.0; 28; 12Bet Tau ; 1.65; 15200;occ; 120; 0;39141

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9; 5105.1; 25-AUG-2009 12:49:21; Dark ; 62.0; 27; 24Gam Ori ; 1.64; 26000;occ; 124; 0;39141
10; 5222.2; 25-AUG-2009 12:51:18; Dark ; 55.0; 33; 50Zet Ori ; 1.77; 30000;occ; 110; 0;39141
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15; 6409.7; 25-AUG-2009 13:11:06; Dark ; 53.5; 157; The1Eri ; 2.91; 9300;occ; 107; 0;39141
16; 6939.3; 25-AUG-2009 13:19:56; Dark ; 49.0; 84; Alp Phe ; 2.40; 4500;occ; 98; 0;39141
17; 7337.9; 25-AUG-2009 13:26:34; Dark ; 47.5; 18; 24Alp PsA ; 1.17; 9700;occ; 95; 0;39141
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4; 3205.3; 25-AUG-2009 13:58:18; Bright; 42.0; 74; 11Bet Cas ; 2.27; 6600;occ; 84; 0;39142
5; 3338.0; 25-AUG-2009 14:00:30; Bright; 44.0; 76; 27Gam Cas ; 2.30; 30000;occ; 88; 0;39142
6; 4175.9; 25-AUG-2009 14:14:28; Bright; 55.5; 6; 13Alp Aur ; 0.08; 3400;occ; 111; 0;39142
7; 4375.5; 25-AUG-2009 14:17:48; Bright; 43.5; 107; 37The Aur ; 2.65; 11000;occ; 87; 0;39142
8; 4582.5; 25-AUG-2009 14:21:15; Dark ; 59.5; 28; 12Bet Tau ; 1.65; 15200;occ; 119; 0;39142
9; 4759.8; 25-AUG-2009 14:24:12; Dark ; 45.0; 44; 24Gam Gem ; 1.93; 11000;occ; 90; 0;39142
10; 5002.4; 25-AUG-2009 14:28:15; Dark ; 58.0; 14; 58Alp Ori ; 0.87; 3000;occ; 116; 0;39142
11; 5105.9; 25-AUG-2009 14:29:58; Dark ; 62.5; 27; 24Gam Ori ; 1.64; 26000;occ; 125; 0;39142
12; 5223.1; 25-AUG-2009 14:31:55; Dark ; 53.0; 33; 50Zet Ori ; 1.77; 30000;occ; 106; 0;39142
13; 5314.0; 25-AUG-2009 14:33:26; Dark ; 51.0; 125; 44Iot Ori ; 2.77; 30000;occ; 102; 0;39142
14; 5407.9; 25-AUG-2009 14:35:00; Dark ; 63.5; 128; 67Bet Eri ; 2.78; 9700;occ; 127; 0;39142
15; 5524.1; 25-AUG-2009 14:36:56; Dark ; 49.5; 101; 11Alp Lep ; 2.58; 7000;occ; 99; 0;39142
16; 5700.5; 25-AUG-2009 14:39:53; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39142
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6; 3202.5; 25-AUG-2009 20:40:39; Bright; 46.0; 74; 11Bet Cas ; 2.27; 6600;occ; 92; 0;39146
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8; 4175.1; 25-AUG-2009 20:56:51; Bright; 56.0; 6; 13Alp Aur ; 0.08; 3400;occ; 112; 0;39146
9; 4375.7; 25-AUG-2009 21:00:12; Bright; 45.0; 107; 37The Aur ; 2.65; 11000;occ; 90; 0;39146
10; 4583.3; 25-AUG-2009 21:03:39; Dark ; 59.5; 28; 12Bet Tau ; 1.65; 15200;occ; 119; 0;39146
11; 4761.0; 25-AUG-2009 21:06:37; Dark ; 44.0; 44; 24Gam Gem ; 1.93; 11000;occ; 88; 0;39146
12; 5004.9; 25-AUG-2009 21:10:41; Dark ; 60.0; 14; 58Alp Ori ; 0.87; 3000;occ; 120; 0;39146
13; 5109.5; 25-AUG-2009 21:12:26; Dark ; 63.0; 27; 24Gam Ori ; 1.64; 26000;occ; 126; 0;39146
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3; -691.7; 25-AUG-2009 21:16:20; Dark ; 50.0; 56; 53Kap Ori ; 2.07; 30000;occ; 100; 0;39146
4; -596.3; 25-AUG-2009 21:17:56; Dark ; 75.5; 7; 19Bet Ori ; 0.10; 14000;occ; 151; 0;39146
5; -447.4; 25-AUG-2009 21:20:25; Dark ; 51.5; 139; 9Bet Lep ; 2.83; 5600;occ; 103; 0;39146
6; -331.5; 25-AUG-2009 21:22:20; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39146
7; 379.8; 25-AUG-2009 21:34:12; Dark ; 53.0; 157; The1Eri ; 2.91; 9300;occ; 106; 0;39147
8; 906.8; 25-AUG-2009 21:42:59; Dark ; 55.5; 84; Alp Phe ; 2.40; 4500;occ; 111; 0;39147
9; 1303.7; 25-AUG-2009 21:49:36; Dark ; 48.5; 18; 24Alp PsA ; 1.17; 9700;occ; 97; 0;39147
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11; 2083.1; 25-AUG-2009 22:02:35; Bright; 57.0; 61; 8Eps Peg ; 2.10; 3900;occ; 114; 0;39147
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13; 3201.7; 25-AUG-2009 22:21:14; Bright; 47.5; 74; 11Bet Cas ; 2.27; 6600;occ; 95; 0;39147
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16; 4375.5; 25-AUG-2009 22:40:47; Bright; 41.5; 107; 37The Aur ; 2.65; 11000;occ; 83; 0;39147
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21; 5227.8; 25-AUG-2009 22:55:00; Dark ; 59.5; 30; 46Eps Ori ; 1.69; 30000;occ; 119; 0;39147
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 5; 381.2; 25-AUG-2009 23:14:49; Dark ; 52.5; 157; The1Eri ; 2.91; 9300;occ; 105; 0;39148
 6; 907.5; 25-AUG-2009 23:23:35; Dark ; 51.0; 84; Alp Phe ; 2.40; 4500;occ; 102; 0;39148
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 11; 3201.0; 26-AUG-2009 00:01:49; Bright; 46.0; 74; 11Bet Cas ; 2.27; 6600;occ; 92; 0;39148
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 17; 5006.1; 26-AUG-2009 00:31:54; Dark ; 65.5; 14; 58Alp Ori ; 0.87; 3000;occ; 131; 0;39148
 18; 5111.4; 26-AUG-2009 00:33:39; Dark ; 61.5; 27; 24Gam Ori ; 1.64; 26000;occ; 123; 0;39148
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 17; 5702.6; 25-AUG-2009 18:01:07; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39144
 18; 6413.5; 25-AUG-2009 18:12:58; Dark ; 52.0; 157; The1Eri ; 2.91; 9300;occ; 104; 0;39144
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 4; 2553.1; 25-AUG-2009 18:49:13; Bright; 45.5; 164; 44Eta Peg ; 2.95; 5400;occ; 91; 0;39145
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 7; 4175.2; 25-AUG-2009 19:16:15; Bright; 52.0; 6; 13Alp Aur ; 0.08; 3400;occ; 104; 0;39145
 8; 4375.5; 25-AUG-2009 19:19:36; Bright; 43.0; 107; 37The Aur ; 2.65; 11000;occ; 86; 0;39145

9; 4583.2; 25-AUG-2009 19:23:03; Dark ; 59.0; 28; 12Bet Tau ; 1.65; 15200;occ; 118; 0;39145
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 11; 5004.3; 25-AUG-2009 19:30:04; Dark ; 68.0; 14; 58Alp Ori ; 0.87; 3000;occ; 136; 0;39145
 12; 5108.7; 25-AUG-2009 19:31:49; Dark ; 64.0; 27; 24Gam Ori ; 1.64; 26000;occ; 128; 0;39145
 13; 5226.2; 25-AUG-2009 19:33:46; Dark ; 58.5; 30; 46Eps Ori ; 1.69; 30000;occ; 117; 0;39145
 14; 5343.4; 25-AUG-2009 19:35:44; Dark ; 52.0; 56; 53Kap Ori ; 2.07; 30000;occ; 104; 0;39145
 15; 5438.4; 25-AUG-2009 19:37:19; Dark ; 66.0; 7; 19Bet Ori ; 0.10; 14000;occ; 132; 0;39145
 16; 5587.5; 25-AUG-2009 19:39:48; Dark ; 50.0; 139; 9Bet Lep ; 2.83; 5600;occ; 100; 0;39145
 17; 5703.5; 25-AUG-2009 19:41:44; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;39145
 18; 6414.6; 25-AUG-2009 19:53:35; Dark ; 54.0; 157; The1Eri ; 2.91; 9300;occ; 108; 0;39145
 19; 6942.1; 25-AUG-2009 20:02:22; Dark ; 46.5; 84; Alp Phe ; 2.40; 4500;occ; 93; 0;39145

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 7; 908.0; 26-AUG-2009 01:04:12; Dark ; 59.0; 84; Alp Phe ; 2.40; 4500;occ; 118; 0;39149
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 9; 1900.2; 26-AUG-2009 01:20:44; Bright; 41.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 82; 0;39149
 10; 2082.9; 26-AUG-2009 01:23:47; Bright; 57.0; 61; 8Eps Peg ; 2.10; 3900;occ; 114; 0;39149
 11; 2550.3; 26-AUG-2009 01:31:34; Bright; 45.5; 164; 44Eta Peg ; 2.95; 5400;occ; 91; 0;39149
 12; 3200.4; 26-AUG-2009 01:42:24; Bright; 41.5; 74; 11Bet Cas ; 2.27; 6600;occ; 83; 0;39149
 13; 3332.8; 26-AUG-2009 01:44:36; Bright; 45.5; 76; 27Gam Cas ; 2.30; 30000;occ; 91; 0;39149
 14; 4174.6; 26-AUG-2009 01:58:38; Bright; 69.0; 6; 13Alp Aur ; 0.08; 3400;occ; 138; 0;39149
 15; 4375.5; 26-AUG-2009 02:01:59; Bright; 46.5; 107; 37The Aur ; 2.65; 11000;occ; 93; 0;39149
 16; 4584.1; 26-AUG-2009 02:05:28; Dark ; 62.0; 28; 12Bet Tau ; 1.65; 15200;occ; 124; 0;39149
 17; 4762.0; 26-AUG-2009 02:08:26; Dark ; 44.5; 44; 24Gam Gem ; 1.93; 11000;occ; 89; 0;39149
 18; 5006.9; 26-AUG-2009 02:12:31; Dark ; 65.5; 14; 58Alp Ori ; 0.87; 3000;occ; 131; 0;39149

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 3; -806.3; 26-AUG-2009 02:16:13; Dark ; 57.5; 30; 46Eps Ori ; 1.69; 30000;occ; 115; 0;39149
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 9; 908.8; 26-AUG-2009 02:44:48; Dark ; 52.5; 84; Alp Phe ; 2.40; 4500;occ; 105; 0;39150
 10; 1304.5; 26-AUG-2009 02:51:24; Dark ; 48.5; 18; 24Alp PsA ; 1.17; 9700;occ; 97; 0;39150
 11; 1900.2; 26-AUG-2009 03:01:20; Bright; 41.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 82; 0;39150
 12; 2083.0; 26-AUG-2009 03:04:22; Bright; 42.0; 61; 8Eps Peg ; 2.10; 3900;occ; 84; 0;39150
 13; 2549.9; 26-AUG-2009 03:12:09; Bright; 47.0; 164; 44Eta Peg ; 2.95; 5400;occ; 94; 0;39150
 14; 3199.6; 26-AUG-2009 03:22:59; Bright; 47.0; 74; 11Bet Cas ; 2.27; 6600;occ; 94; 0;39150
 15; 3332.1; 26-AUG-2009 03:25:12; Bright; 44.5; 76; 27Gam Cas ; 2.30; 30000;occ; 89; 0;39150

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 3; -1451.6; 26-AUG-2009 03:46:04; Dark ; 59.0; 28; 12Bet Tau ; 1.65; 15200;occ; 118; 0;39150
 4; -1273.6; 26-AUG-2009 03:49:02; Dark ; 47.5; 44; 24Gam Gem ; 1.93; 11000;occ; 95; 0;39150
 5; -1028.4; 26-AUG-2009 03:53:07; Dark ; 69.0; 14; 58Alp Ori ; 0.87; 3000;occ; 138; 0;39150
 6; -922.7; 26-AUG-2009 03:54:53; Dark ; 64.0; 27; 24Gam Ori ; 1.64; 26000;occ; 128; 0;39150
 7; -805.3; 26-AUG-2009 03:56:50; Dark ; 58.5; 30; 46Eps Ori ; 1.69; 30000;occ; 117; 0;39150
 8; -688.3; 26-AUG-2009 03:58:47; Dark ; 52.5; 56; 53Kap Ori ; 2.07; 30000;occ; 105; 0;39150
 9; -591.4; 26-AUG-2009 04:00:24; Dark ; 65.5; 7; 19Bet Ori ; 0.10; 14000;occ; 131; 0;39150
 10; -443.5; 26-AUG-2009 04:02:52; Dark ; 52.0; 139; 9Bet Lep ; 2.83; 5600;occ; 104; 0;39150
 11; -327.5; 26-AUG-2009 04:04:48; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39150
 12; 384.9; 26-AUG-2009 04:16:40; Dark ; 53.5; 157; The1Eri ; 2.91; 9300;occ; 107; 0;39151
 13; 909.5; 26-AUG-2009 04:25:25; Dark ; 53.5; 84; Alp Phe ; 2.40; 4500;occ; 107; 0;39151
 14; 1304.9; 26-AUG-2009 04:32:00; Dark ; 46.5; 18; 24Alp PsA ; 1.17; 9700;occ; 93; 0;39151
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 16; 2082.8; 26-AUG-2009 04:44:58; Bright; 40.5; 61; 8Eps Peg ; 2.10; 3900;occ; 81; 0;39151
 17; 2549.1; 26-AUG-2009 04:52:45; Bright; 46.5; 164; 44Eta Peg ; 2.95; 5400;occ; 93; 0;39151
 18; 3199.0; 26-AUG-2009 05:03:35; Bright; 47.0; 74; 11Bet Cas ; 2.27; 6600;occ; 94; 0;39151
 19; 3331.4; 26-AUG-2009 05:05:47; Bright; 46.0; 76; 27Gam Cas ; 2.30; 30000;occ; 92; 0;39151

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4;-1273.4; 26-AUG-2009 05:29:38; Dark ; 47.0; 44; 24Gam Gem ; 1.93; 11000;occ; 94; 0;39151
5;-1027.8; 26-AUG-2009 05:33:44; Dark ; 64.0; 14; 58Alp Ori ; 0.87; 3000;occ; 128; 0;39151
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11; -326.5; 26-AUG-2009 05:45:25; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;39151
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13; 910.3; 26-AUG-2009 06:06:02; Dark ; 49.0; 84; Alp Phe ; 2.40; 4500;occ; 98; 0;39152
14; 1305.3; 26-AUG-2009 06:12:37; Dark ; 47.0; 18; 24Alp PsA ; 1.17; 9700;occ; 94; 0;39152
15; 1900.0; 26-AUG-2009 06:22:31; Bright; 40.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 80; 0;39152
16; 2082.7; 26-AUG-2009 06:25:34; Bright; 48.0; 61; 8Eps Peg ; 2.10; 3900;occ; 96; 0;39152
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18; 3198.4; 26-AUG-2009 06:44:10; Bright; 45.5; 74; 11Bet Cas ; 2.27; 6600;occ; 91; 0;39152
19; 3330.5; 26-AUG-2009 06:46:22; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;39152
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3; 1899.2; 26-AUG-2009 21:27:54; Bright; 59.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 118; 0;39161
4; 2081.3; 26-AUG-2009 21:30:56; Bright; 38.5; 61; 8Eps Peg ; 2.10; 3900;occ; 77; 0;39161
5; 2542.6; 26-AUG-2009 21:38:38; Bright; 44.0; 164; 44Eta Peg ; 2.95; 5400;occ; 88; 0;39161
6; 3192.1; 26-AUG-2009 21:49:27; Bright; 45.5; 74; 11Bet Cas ; 2.27; 6600;occ; 91; 0;39161
7; 3323.8; 26-AUG-2009 21:51:39; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;39161
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9; 4376.0; 26-AUG-2009 22:09:11; Bright; 44.5; 107; 37The Aur ; 2.65; 11000;occ; 89; 0;39161
10; 4587.0; 26-AUG-2009 22:12:42; Dark ; 60.5; 28; 12Bet Tau ; 1.65; 15200;occ; 121; 0;39161
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13; 5123.5; 26-AUG-2009 22:21:38; Dark ; 63.5; 27; 24Gam Ori ; 1.64; 26000;occ; 127; 0;39161
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6; 398.3; 26-AUG-2009 22:43:29; Dark ; 53.5; 157; The1Eri ; 2.91; 9300;occ; 107; 0;39162
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11; 3180.4; 28-AUG-2009 02:19:26; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;39178
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2; -1659.3; 28-AUG-2009 02:39:22; Bright; 45.5; 107; 37The Aur ; 2.65; 11000;occ; 91; 0;39178
3; -1444.4; 28-AUG-2009 02:42:57; Dark ; 52.0; 28; 12Bet Tau ; 1.65; 15200;occ; 104; 0;39178
4; -1366.4; 28-AUG-2009 02:44:15; Dark ; 53.5; 151; 13Mu Gem ; 2.89; 3000;occ; 107; 0;39178
5; -1264.3; 28-AUG-2009 02:45:57; Dark ; 47.5; 44; 24Gam Gem ; 1.93; 11000;occ; 95; 0;39178
6; -1009.9; 28-AUG-2009 02:50:11; Dark ; 68.5; 14; 58Alp Ori ; 0.87; 3000;occ; 137; 0;39178
7; -778.6; 28-AUG-2009 02:54:03; Dark ; 58.5; 30; 46Eps Ori ; 1.69; 30000;occ; 117; 0;39178
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9; -415.0; 28-AUG-2009 03:00:06; Dark ; 50.0; 139; 9Bet Lep ; 2.83; 5600;occ; 100; 0;39178
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2; 928.7; 28-AUG-2009 05:03:06; Dark ; 48.5; 84; Alp Phe ; 2.40; 4500;occ; 97; 0;39180
3; 1313.8; 28-AUG-2009 05:09:31; Dark ; 47.5; 18; 24Alp PsA ; 1.17; 9700;occ; 95; 0;39180
4; 1898.0; 28-AUG-2009 05:19:15; Bright; 39.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 79; 0;39180
5; 2282.6; 28-AUG-2009 05:25:40; Bright; 45.0; 90; 54Alp Peg ; 2.49; 11000;occ; 90; 0;39180
6; 2530.8; 28-AUG-2009 05:29:48; Bright; 67.0; 164; 44Eta Peg ; 2.95; 5400;occ; 134; 0;39180

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4;-1365.9; 28-AUG-2009 06:05:27; Dark ; 43.5; 151; 13Mu Gem ; 2.89; 3000;occ; 87; 0;39180
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3; -297.0; 28-AUG-2009 06:23:16; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39180
4; 421.7; 28-AUG-2009 06:35:15; Dark ; 55.0; 157; The1Eri ; 2.91; 9300;occ; 110; 0;39181
5; 929.2; 28-AUG-2009 06:43:43; Dark ; 48.0; 84; Alp Phe ; 2.40; 4500;occ; 96; 0;39181
6; 1314.2; 28-AUG-2009 06:50:07; Dark ; 46.0; 18; 24Alp PsA ; 1.17; 9700;occ; 92; 0;39181
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3; 2529.7; 28-AUG-2009 08:50:59; Bright; 45.5; 164; 44Eta Peg ; 2.95; 5400;occ; 91; 0;39182
4; 3177.8; 28-AUG-2009 09:01:47; Bright; 45.0; 74; 11Bet Cas ; 2.27; 6600;occ; 90; 0;39182
5; 3308.7; 28-AUG-2009 09:03:58; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;39182
6; 4168.1; 28-AUG-2009 09:18:17; Bright; 60.0; 6; 13Alp Aur ; 0.08; 3400;occ; 120; 0;39182
7; 4376.9; 28-AUG-2009 09:21:46; Bright; 44.5; 107; 37The Aur ; 2.65; 11000;occ; 89; 0;39182
8; 4592.6; 28-AUG-2009 09:25:22; Dark ; 33.0; 28; 12Bet Tau ; 1.65; 15200;occ; 66; 0;39182
9; 4670.7; 28-AUG-2009 09:26:40; Dark ; 55.5; 151; 13Mu Gem ; 2.89; 3000;occ; 111; 0;39182
10; 4773.0; 28-AUG-2009 09:28:22; Dark ; 50.0; 44; 24Gam Gem ; 1.93; 11000;occ; 100; 0;39182
11; 5028.8; 28-AUG-2009 09:32:38; Dark ; 72.0; 14; 58Alp Ori ; 0.87; 3000;occ; 144; 0;39182
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14; 5485.1; 28-AUG-2009 09:40:14; Dark ; 68.5; 7; 19Bet Ori ; 0.10; 14000;occ; 137; 0;39182
15; 5625.0; 28-AUG-2009 09:42:34; Dark ; 53.0; 139; 9Bet Lep ; 2.83; 5600;occ; 106; 0;39182
16; 5741.0; 28-AUG-2009 09:44:30; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39182
17; 6460.0; 28-AUG-2009 09:56:29; Dark ; 55.0; 157; The1Eri ; 2.91; 9300;occ; 110; 0;39182
18; 6966.4; 28-AUG-2009 10:04:56; Dark ; 50.0; 84; Alp Phe ; 2.40; 4500;occ; 100; 0;39182
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3; 2529.1; 28-AUG-2009 10:31:34; Bright; 45.0; 164; 44Eta Peg ; 2.95; 5400;occ; 90; 0;39183
4; 3177.0; 28-AUG-2009 10:42:22; Bright; 42.5; 74; 11Bet Cas ; 2.27; 6600;occ; 85; 0;39183
5; 3308.0; 28-AUG-2009 10:44:33; Bright; 47.0; 76; 27Gam Cas ; 2.30; 30000;occ; 94; 0;39183
6; 4167.9; 28-AUG-2009 10:58:53; Bright; 56.0; 6; 13Alp Aur ; 0.08; 3400;occ; 112; 0;39183
7; 4377.0; 28-AUG-2009 11:02:22; Bright; 45.5; 107; 37The Aur ; 2.65; 11000;occ; 91; 0;39183
8; 4592.9; 28-AUG-2009 11:05:58; Dark ; 33.0; 28; 12Bet Tau ; 1.65; 15200;occ; 66; 0;39183
9; 4670.9; 28-AUG-2009 11:07:16; Dark ; 54.5; 151; 13Mu Gem ; 2.89; 3000;occ; 109; 0;39183
10; 4773.3; 28-AUG-2009 11:08:58; Dark ; 48.5; 44; 24Gam Gem ; 1.93; 11000;occ; 97; 0;39183
11; 5029.5; 28-AUG-2009 11:13:15; Dark ; 70.0; 14; 58Alp Ori ; 0.87; 3000;occ; 140; 0;39183
12; 5260.3; 28-AUG-2009 11:17:05; Dark ; 58.0; 33; 50Zet Ori ; 1.77; 30000;occ; 116; 0;39183
13; 5376.9; 28-AUG-2009 11:19:02; Dark ; 52.0; 56; 53Kap Ori ; 2.07; 30000;occ; 104; 0;39183
14; 5486.5; 28-AUG-2009 11:20:52; Dark ; 73.0; 7; 19Bet Ori ; 0.10; 14000;occ; 146; 0;39183
15; 5626.2; 28-AUG-2009 11:23:11; Dark ; 51.0; 139; 9Bet Lep ; 2.83; 5600;occ; 102; 0;39183
16; 5742.0; 28-AUG-2009 11:25:07; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;39183
17; 6461.3; 28-AUG-2009 11:37:06; Dark ; 54.5; 157; The1Eri ; 2.91; 9300;occ; 109; 0;39183
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3; 2528.5; 28-AUG-2009 12:12:10; Bright; 44.5; 164; 44Eta Peg ; 2.95; 5400;occ; 89; 0;39184
4; 3176.4; 28-AUG-2009 12:22:57; Bright; 45.5; 74; 11Bet Cas ; 2.27; 6600;occ; 91; 0;39184
5; 3307.3; 28-AUG-2009 12:25:08; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;39184
6; 4167.6; 28-AUG-2009 12:39:29; Bright; 58.0; 6; 13Alp Aur ; 0.08; 3400;occ; 116; 0;39184
7; 4376.8; 28-AUG-2009 12:42:58; Bright; 48.0; 107; 37The Aur ; 2.65; 11000;occ; 96; 0;39184
8; 4593.1; 28-AUG-2009 12:46:34; Dark ; 25.0; 28; 12Bet Tau ; 1.65; 15200;occ; 50; 0;39184
9; 4671.2; 28-AUG-2009 12:47:52; Dark ; 53.0; 151; 13Mu Gem ; 2.89; 3000;occ; 106; 0;39184
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13; 5377.7; 28-AUG-2009 12:59:39; Dark ; 51.0; 56; 53Kap Ori ; 2.07; 30000;occ; 102; 0;39184
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16; 5743.0; 28-AUG-2009 13:05:44; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39184
17; 6462.4; 28-AUG-2009 13:17:43; Dark ; 55.5; 157; The1Eri ; 2.91; 9300;occ; 111; 0;39184
18; 6967.7; 28-AUG-2009 13:26:09; Dark ; 52.5; 84; Alp Phe ; 2.40; 4500;occ; 105; 0;39184
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3; 2528.0; 28-AUG-2009 13:52:45; Bright; 44.0; 164; 44Eta Peg ; 2.95; 5400;occ; 88; 0;39185
4; 3175.6; 28-AUG-2009 14:03:32; Bright; 44.0; 74; 11Bet Cas ; 2.27; 6600;occ; 88; 0;39185
5; 3306.8; 28-AUG-2009 14:05:44; Bright; 45.0; 76; 27Gam Cas ; 2.30; 30000;occ; 90; 0;39185
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7; 4376.9; 28-AUG-2009 14:23:34; Bright; 46.0; 107; 37The Aur ; 2.65; 11000;occ; 92; 0;39185
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5; 3174.4; 28-AUG-2009 17:24:43; Bright; 45.5; 74; 11Bet Cas ; 2.27; 6600;occ; 91; 0;39187
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8; 4377.1; 28-AUG-2009 17:44:46; Bright; 46.5; 107; 37The Aur ; 2.65; 11000;occ; 93; 0;39187

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8; -427.8; 31-AUG-2009 04:46:14; Dark ; 56.0; 101; 11Alp Lep ; 2.58; 7000;occ; 112; 0;39222
9; -251.4; 31-AUG-2009 04:49:11; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39222
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11; 955.2; 31-AUG-2009 05:09:17; Dark ; 49.0; 84; Alp Phe ; 2.40; 4500;occ; 98; 0;39223
12; 1326.4; 31-AUG-2009 05:15:28; Dark ; 47.0; 18; 24Alp PsA ; 1.17; 9700;occ; 94; 0;39223
13; 1895.8; 31-AUG-2009 05:24:58; Bright; 56.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 112; 0;39223
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15; 2507.3; 31-AUG-2009 05:35:09; Bright; 43.5; 164; 44Eta Peg ; 2.95; 5400;occ; 87; 0;39223
16; 3150.6; 31-AUG-2009 05:45:53; Bright; 44.5; 74; 11Bet Cas ; 2.27; 6600;occ; 89; 0;39223

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3; 2502.7; 31-AUG-2009 20:40:28; Bright; 40.5; 164; 44Eta Peg ; 2.95; 5400;occ; 81; 0;39232
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6; 961.1; 31-AUG-2009 21:55:22; Dark ; 46.0; 84; Alp Phe ; 2.40; 4500;occ; 92; 0;39233
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16; 5067.4; 31-AUG-2009 23:03:49; Dark ; 74.5; 14; 58Alp Ori ; 0.87; 3000;occ; 149; 0;39233
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6; 1329.5; 31-AUG-2009 23:42:07; Dark ; 45.5; 18; 24Alp PsA ; 1.17; 9700;occ; 91; 0;39234
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8; 2501.6; 01-SEP-2009 00:01:39; Bright; 44.0; 164; 44Eta Peg ; 2.95; 5400;occ; 88; 0;39234
9; 3143.7; 01-SEP-2009 00:12:21; Bright; 41.5; 74; 11Bet Cas ; 2.27; 6600;occ; 83; 0;39234
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5; -976.6; 31-AUG-2009 06:17:41; Dark ; 73.5; 14; 58Alp Ori ; 0.87; 3000;occ; 147; 0;39223
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11; 955.8; 31-AUG-2009 06:49:54; Dark ; 47.5; 84; Alp Phe ; 2.40; 4500;occ; 95; 0;39224
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3; 2506.7; 31-AUG-2009 07:15:45; Bright; 64.0; 164; 44Eta Peg ; 2.95; 5400;occ; 128; 0;39224
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7; 4378.1; 31-AUG-2009 07:46:56; Bright; 47.5; 107; 37The Aur ; 2.65; 11000;occ; 95; 0;39224

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 10; 5060.4; 31-AUG-2009 07:58:18; Dark ; 77.0; 14; 58Alp Ori ; 0.87; 3000;occ; 154; 0;39224
 11; 5307.1; 31-AUG-2009 08:02:25; Dark ; 64.0; 30; 46Eps Ori ; 1.69; 30000;occ; 128; 0;39224
 12; 5442.8; 31-AUG-2009 08:04:41; Dark ; 46.0; 47; 2Bet CMA ; 1.98; 28000;occ; 92; 0;39224
 13; 5610.4; 31-AUG-2009 08:07:28; Dark ; 53.5; 101; 11Alp Lep ; 2.58; 7000;occ; 107; 0;39224
 14; 5786.8; 31-AUG-2009 08:10:25; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39224
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 3; 2506.1; 31-AUG-2009 08:56:20; Bright; 64.0; 164; 44Eta Peg ; 2.95; 5400;occ; 128; 0;39225
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 4; 3148.7; 31-AUG-2009 10:47:39; Bright; 45.0; 74; 11Bet Cas ; 2.27; 6600;occ; 90; 0;39226
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 3; 2505.1; 31-AUG-2009 12:17:31; Bright; 41.0; 164; 44Eta Peg ; 2.95; 5400;occ; 82; 0;39227
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 5; 3276.6; 31-AUG-2009 12:30:22; Bright; 45.5; 76; 27Gam Cas ; 2.30; 30000;occ; 91; 0;39227
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 3; 3147.5; 31-AUG-2009 14:08:49; Bright; 44.5; 74; 11Bet Cas ; 2.27; 6600;occ; 89; 0;39228

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7; 4684.9; 31-AUG-2009 14:34:26; Dark ; 56.5; 151; 13Mu Gem ; 2.89; 3000;occ; 113; 0;39228
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9; 5063.8; 31-AUG-2009 14:40:45; Dark ; 70.0; 14; 58Alp Ori ; 0.87; 3000;occ; 140; 0;39228
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12; 5615.1; 31-AUG-2009 14:49:57; Dark ; 54.0; 101; 11Alp Lep ; 2.58; 7000;occ; 108; 0;39228
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3; 2504.2; 31-AUG-2009 15:38:42; Bright; 55.5; 164; 44Eta Peg ; 2.95; 5400;occ; 111; 0;39229
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