

GOMOS Level 2 Daily Report

SUMMARY

[1. General Info](#)

[2. Summary of processed GOM_NL_2P products](#)

[3. Level 2 Quality information per product](#)

[3.1 Plot of level 2 quality information per product \(time dependant\)](#)

[3.2 Plot of level 2 quality information per product \(world map\)](#)

[4. Level 1 Quality information per product \(stored on level 2 products\)](#)

[4.1 Plot of level 1 quality information per product \(time dependant\)](#)

[4.1.1 Plot of level 1 quality information per product \(time dependant\): ASCENDING](#)

[4.1.2 Plot of level 1 quality information per product \(time dependant\): DESCENDING](#)

[4.2 Plot of level 1 quality information per product \(world map\)](#)

[4.2.1 Plot of level 1 quality information per product \(world map\): ASCENDING](#)

[4.2.2 Plot of level 1 quality information per product \(world map\): DESCENDING](#)

[5. Ozone profiles based on quality statistics and other trace gas profiles](#)

[5.1 Ozone statistics based on quality of products](#)

[5.2 Plot ozone profiles for all STD \(dark without errors\)](#)

[5.3 Plot ozone profiles where STD < 20% \(dark without errors\)](#)

[5.4. Plot ozone profiles where STD < 10% \(dark without errors\)](#)

[5.5. Plot ozone profiles where STD < 5% \(dark without errors\)](#)

[5.6 Plot NO2 profiles for all STD \(dark without errors\)](#)

[5.7 Plot NO3 profiles for all STD \(dark without errors\)](#)

[5.8 Plot H2O profiles \(only for occultations of stars 1,2,3,4,13,14,16,26,63 dark without errors\) for all STD](#)

[6. Auxiliary Data Files used for the production reported in section 2](#)

This report presents the daily analysis on parameters extracted from GOMOS level 2 data (GOM_NL__2P). It is intended to monitor some important parameters that will impact the quality of these products. A list of level 2 products (and content) that have arrived during the reporting day to the PCF is also given.

Item	Value
Time of report generation	22APR2013 21:16:49
Data source version	GOMOS/6.01
Start time of products	29-06-2007 (29JUN2007 00:00:00)
Stop time of products	30-06-2007 (30JUN2007 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	313
Nb of prods with errors	0

2. Summary of processed GOM_NL__2P products.

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20070629_000309_000000362059_00245_27854_4545.N1	29-JUN-2007 00:03:09	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	27854	No
2	GOM_NL__2PRFIN20070629_001327_000000472059_00245_27854_4546.N1	29-JUN-2007 00:13:27	Bright	47.000	160	23Gam Per	2.9300	4700.0	94	27854	No
3	GOM_NL__2PRFIN20070629_001507_000000322059_00245_27854_4547.N1	29-JUN-2007 00:15:07	Bright	32.000	175	39Del Per	3.0100	19400.	64	27854	No
4	GOM_NL__2PRFIN20070629_001716_000000552059_00245_27854_4548.N1	29-JUN-2007 00:17:16	Bright	54.500	79	26Bet Per	2.3100	13100.	109	27854	No
5	GOM_NL__2PRFIN20070629_002826_000000512059_00245_27854_4549.N1	29-JUN-2007 00:28:26	Dark	50.500	94	92Alp Cet	2.5260	3100.0	101	27854	No
6	GOM_NL__2PRFIN20070629_003215_000000372059_00245_27854_4550.N1	29-JUN-2007 00:32:15	Dark	37.000	165	34Gam Eri	2.9500	3200.0	74	27854	No
7	GOM_NL__2PRFIN20070629_004639_000000392059_00246_27855_4541.N1	29-JUN-2007 00:46:39	Dark	39.000	9	Alp Eri	0.45300	24000.	78	27855	No
8	GOM_NL__2PRFIN20070629_005402_000000412059_00246_27855_4542.N1	29-JUN-2007 00:54:02	Straylight	41.000	148	Alp Tuc	2.8780	4100.0	82	27855	No
9	GOM_NL__2PRFIN20070629_005827_000000402059_00246_27855_4543.N1	29-JUN-2007 00:58:27	Straylight	39.500	45	Alp Pav	1.9400	26000.	79	27855	No
10	GOM_NL__2PRFIN20070629_010355_000000372059_00246_27855_4544.N1	29-JUN-2007 01:03:55	Straylight	37.000	147	Alp Ara	2.8770	26000.	74	27855	No
11	GOM_NL__2PRFIN20070629_010543_000000402059_00246_27855_4545.N1	29-JUN-2007 01:05:43	Twi_and_stray	40.000	40	The Sco	1.8590	7100.0	80	27855	No
12	GOM_NL__2PRFIN20070629_010723_000000392059_00246_27855_4546.N1	29-JUN-2007 01:07:23	Twi_and_stray	39.000	25	35Lam Sco	1.6200	28000.	78	27855	No
13	GOM_NL__2PRFIN20070629_010847_000000462059_00246_27855_4547.N1	29-JUN-2007 01:08:47	Bright	46.000	116	19Del Sgr	2.7000	4100.0	92	27855	No
14	GOM_NL__2PRFIN20070629_011337_000000372059_00246_27855_4548.N1	29-JUN-2007 01:13:37	Bright	36.500	86	35Eta Oph	2.4300	10200.	73	27855	No
15	GOM_NL__2PRFIN20070629_011521_000000362059_00246_27855_4549.N1	29-JUN-2007 01:15:21	Bright	36.000	98	13Zet Oph	2.5710	30000.	72	27855	No
16	GOM_NL__2PRFIN20070629_011922_000000372059_00246_27855_4550.N1	29-JUN-2007 01:19:22	Bright	37.000	126	60Bet Oph	2.7700	4250.0	74	27855	No
17	GOM_NL__2PRFIN20070629_012143_000000382059_00246_27855_4551.N1	29-JUN-2007 01:21:43	Bright	38.000	59	55Alp Oph	2.0800	8900.0	76	27855	No
18	GOM_NL__2PRFIN20070629_012419_000000362059_00246_27855_4552.N1	29-JUN-2007 01:24:19	Bright	36.000	127	27Bet Her	2.7810	4700.0	72	27855	No
19	GOM_NL__2PRFIN20070629_012705_000000362059_00246_27855_4553.N1	29-JUN-2007 01:27:05	Bright	35.500	133	40Zet Her	2.8070	6000.0	71	27855	No
20	GOM_NL__2PRFIN20070629_013314_000000372059_00246_27855_4554.N1	29-JUN-2007 01:33:14	Bright	37.000	130	23Bet Dra	2.7990	5800.0	74	27855	No
21	GOM_NL__2PRFIN20070629_013531_000000362059_00246_27855_4555.N1	29-JUN-2007 01:35:31	Bright	35.500	119	14Eta Dra	2.7270	4700.0	71	27855	No
22	GOM_NL__2PRFIN20070629_013926_000000362059_00246_27855_4556.N1	29-JUN-2007 01:39:26	Bright	36.000	60	7Bet UMi	2.0810	3950.0	72	27855	No
23	GOM_NL__2PRFIN20070629_014345_000000342059_00246_27855_4557.N1	29-JUN-2007 01:43:45	Bright	33.500	49	1Alp UMi	1.9900	6300.0	67	27855	No
24	GOM_NL__2PRFIN20070629_015404_000000482059_00246_27855_4558.N1	29-JUN-2007 01:54:04	Bright	47.500	160	23Gam Per	2.9300	4700.0	95	27855	No
25	GOM_NL__2PRFIN20070629_015543_000000342059_00246_27855_4559.N1	29-JUN-2007 01:55:43	Bright	34.000	175	39Del Per	3.0100	19400.	68	27855	No
26	GOM_NL__2PRFIN20070629_015752_000000452059_00246_27855_4560.N1	29-JUN-2007 01:57:52	Bright	45.000	79	26Bet Per	2.3100	13100.	90	27855	No
27	GOM_NL__2PRFIN20070629_020903_000000442059_00246_27855_4561.N1	29-JUN-2007 02:09:03	Dark	44.000	94	92Alp Cet	2.5260	3100.0	88	27855	No
28	GOM_NL__2PRFIN20070629_021251_000000352059_00246_27855_4562.N1	29-JUN-2007 02:12:51	Dark	34.500	165	34Gam Eri	2.9500	3200.0	69	27855	No
29	GOM_NL__2PRFIN20070629_022715_000000452059_00247_27856_4562.N1	29-JUN-2007 02:27:15	Dark	45.000	9	Alp Eri	0.45300	24000.	90	27856	No
30	GOM_NL__2PRFIN20070629_023439_000000412059_00247_27856_4563.N1	29-JUN-2007 02:34:39	Straylight	41.000	148	Alp Tuc	2.8780	4100.0	82	27856	No
31	GOM_NL__2PRFIN20070629_023904_000000422059_00247_27856_4564.N1	29-JUN-2007 02:39:04	Straylight	42.000	45	Alp Pav	1.9400	26000.	84	27856	No
32	GOM_NL__2PRFIN20070629_024432_000000382059_00247_27856_4565.N1	29-JUN-2007 02:44:32	Straylight	37.500	147	Alp Ara	2.8770	26000.	75	27856	No
33	GOM_NL__2PRFIN20070629_024619_000000422059_00247_27856_4566.N1	29-JUN-2007 02:46:19	Twi_and_stray	41.500	40	The Sco	1.8590	7100.0	83	27856	No
34	GOM_NL__2PRFIN20070629_024759_000000432059_00247_27856_4567.N1	29-JUN-2007 02:47:59	Twi_and_stray	43.000	25	35Lam Sco	1.6200	28000.	86	27856	No
35	GOM_NL__2PRFIN20070629_024923_000000502059_00247_27856_4568.N1	29-JUN-2007 02:49:23	Bright	49.500	116	19Del Sgr	2.7000	4100.0	99	27856	No
36	GOM_NL__2PRFIN20070629_025413_000000372059_00247_27856_4569.N1	29-JUN-2007 02:54:13	Bright	36.500	86	35Eta Oph	2.4300	10200.	73	27856	No
37	GOM_NL__2PRFIN20070629_025558_000000352059_00247_27856_4570.N1	29-JUN-2007 02:55:58	Bright	35.000	98	13Zet Oph	2.5710	30000.	70	27856	No
38	GOM_NL__2PRFIN20070629_025958_000000382059_00247_27856_4571.N1	29-JUN-2007 02:59:58	Bright	37.500	126	60Bet Oph	2.7700	4250.0	75	27856	No
39	GOM_NL__2PRFIN20070629_030219_000000382059_00247_27856_4572.N1	29-JUN-2007 03:02:19	Bright	37.500	59	55Alp Oph	2.0800	8900.0	75	27856	No
40	GOM_NL__2PRFIN20070629_030455_000000362059_00247_27856_4573.N1	29-JUN-2007 03:04:55	Bright	35.500	127	27Bet Her	2.7810	4700.0	71	27856	No
41	GOM_NL__2PRFIN20070629_030742_000000342059_00247_27856_4574.N1	29-JUN-2007 03:07:42	Bright	33.500	133	40Zet Her	2.8070	6000.0	67	27856	No
42	GOM_NL__2PRFIN20070629_031350_000000372059_00247_27856_4575.N1	29-JUN-2007 03:13:50	Bright	37.000	130	23Bet Dra	2.7990	5800.0	74	27856	No

43	GOM_NL__2PRFIN20070629_031607_000000352059_00247_27856_4576.N1	29-JUN-2007 03:16:07	Bright	35.000	119	14Eta Dra	2.7270	4700.0	70	27856	No
44	GOM_NL__2PRFIN20070629_032002_000000342059_00247_27856_4577.N1	29-JUN-2007 03:20:02	Bright	33.500	60	7Bet UMi	2.0810	3950.0	67	27856	No
45	GOM_NL__2PRFIN20070629_032421_000000352059_00247_27856_4578.N1	29-JUN-2007 03:24:21	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	27856	No
46	GOM_NL__2PRFIN20070629_033439_000000362059_00247_27856_4579.N1	29-JUN-2007 03:34:39	Bright	36.000	160	23Gam Per	2.9300	4700.0	72	27856	No
47	GOM_NL__2PRFIN20070629_033619_000000352059_00247_27856_4580.N1	29-JUN-2007 03:36:19	Bright	34.500	175	39Del Per	3.0100	19400.	69	27856	No
48	GOM_NL__2PRFIN20070629_033828_000000382059_00247_27856_4581.N1	29-JUN-2007 03:38:28	Bright	37.500	79	26Bet Per	2.3100	13100.	75	27856	No
49	GOM_NL__2PRFIN20070629_034939_000000422059_00247_27856_4582.N1	29-JUN-2007 03:49:39	Dark	41.500	94	92Alp Cet	2.5260	3100.0	83	27856	No
50	GOM_NL__2PRFIN20070629_035328_000000352059_00247_27856_4583.N1	29-JUN-2007 03:53:28	Dark	34.500	165	34Gam Eri	2.9500	3200.0	69	27856	No
51	GOM_NL__2PRFIN20070629_040752_000000432059_00248_27857_4597.N1	29-JUN-2007 04:07:52	Dark	43.000	9	Alp Eri	0.45300	24000.	86	27857	No
52	GOM_NL__2PRFIN20070629_041515_000000452059_00248_27857_4598.N1	29-JUN-2007 04:15:15	Straylight	44.500	148	Alp Tuc	2.8780	4100.0	89	27857	No
53	GOM_NL__2PRFIN20070629_041941_000000412059_00248_27857_4599.N1	29-JUN-2007 04:19:41	Straylight	40.500	45	Alp Pav	1.9400	26000.	81	27857	No
54	GOM_NL__2PRFIN20070629_042508_000000382059_00248_27857_4600.N1	29-JUN-2007 04:25:08	Straylight	37.500	147	Alp Ara	2.8770	26000.	75	27857	No
55	GOM_NL__2PRFIN20070629_042655_000000402059_00248_27857_4601.N1	29-JUN-2007 04:26:55	Tw_i_and_stray	39.500	40	The Sco	1.8590	7100.0	79	27857	No
56	GOM_NL__2PRFIN20070629_042836_000000412059_00248_27857_4602.N1	29-JUN-2007 04:28:36	Tw_i_and_stray	41.000	25	35Lam Sco	1.6200	28000.	82	27857	No
57	GOM_NL__2PRFIN20070629_042959_000000562059_00248_27857_4603.N1	29-JUN-2007 04:29:59	Bright	56.000	116	19Del Sgr	2.7000	4100.0	112	27857	No
58	GOM_NL__2PRFIN20070629_043449_000000372059_00248_27857_4604.N1	29-JUN-2007 04:34:49	Bright	37.000	86	35Eta Oph	2.4300	10200.	74	27857	No
59	GOM_NL__2PRFIN20070629_043634_000000352059_00248_27857_4605.N1	29-JUN-2007 04:36:34	Bright	35.000	98	13Zet Oph	2.5710	30000.	70	27857	No
60	GOM_NL__2PRFIN20070629_044034_000000382059_00248_27857_4606.N1	29-JUN-2007 04:40:34	Bright	38.000	126	60Bet Oph	2.7700	4250.0	76	27857	No
61	GOM_NL__2PRFIN20070629_044255_000000392059_00248_27857_4607.N1	29-JUN-2007 04:42:55	Bright	39.000	59	55Alp Oph	2.0800	8900.0	78	27857	No
62	GOM_NL__2PRFIN20070629_044531_000000362059_00248_27857_4608.N1	29-JUN-2007 04:45:31	Bright	36.000	127	27Bet Her	2.7810	4700.0	72	27857	No
63	GOM_NL__2PRFIN20070629_044818_000000352059_00248_27857_4609.N1	29-JUN-2007 04:48:18	Bright	35.000	133	40Zet Her	2.8070	6000.0	70	27857	No
64	GOM_NL__2PRFIN20070629_045426_000000352059_00248_27857_4610.N1	29-JUN-2007 04:54:26	Bright	35.000	130	23Bet Dra	2.7990	5800.0	70	27857	No
65	GOM_NL__2PRFIN20070629_045643_000000352059_00248_27857_4611.N1	29-JUN-2007 04:56:43	Bright	35.000	119	14Eta Dra	2.7270	4700.0	70	27857	No
66	GOM_NL__2PRFIN20070629_050038_000000322059_00248_27857_4612.N1	29-JUN-2007 05:00:38	Bright	32.000	60	7Bet UMi	2.0810	3950.0	64	27857	No
67	GOM_NL__2PRFIN20070629_050457_000000352059_00248_27857_4613.N1	29-JUN-2007 05:04:57	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	27857	No
68	GOM_NL__2PRFIN20070629_051515_000000552059_00248_27857_4614.N1	29-JUN-2007 05:15:15	Bright	55.000	160	23Gam Per	2.9300	4700.0	110	27857	No
69	GOM_NL__2PRFIN20070629_051656_000000362059_00248_27857_4615.N1	29-JUN-2007 05:16:56	Bright	36.000	175	39Del Per	3.0100	19400.	72	27857	No
70	GOM_NL__2PRFIN20070629_051904_000000472059_00248_27857_4616.N1	29-JUN-2007 05:19:04	Bright	47.000	79	26Bet Per	2.3100	13100.	94	27857	No
71	GOM_NL__2PRFIN20070629_053016_000000382059_00248_27857_4617.N1	29-JUN-2007 05:30:16	Dark	37.500	94	92Alp Cet	2.5260	3100.0	75	27857	No
72	GOM_NL__2PRFIN20070629_053404_000000352059_00248_27857_4618.N1	29-JUN-2007 05:34:04	Dark	35.000	165	34Gam Eri	2.9500	3200.0	70	27857	No
73	GOM_NL__2PRFIN20070629_054828_000000432059_00249_27858_4616.N1	29-JUN-2007 05:48:28	Dark	42.500	9	Alp Eri	0.45300	24000.	85	27858	No
74	GOM_NL__2PRFIN20070629_055552_000000422059_00249_27858_4617.N1	29-JUN-2007 05:55:52	Straylight	42.000	148	Alp Tuc	2.8780	4100.0	84	27858	No
75	GOM_NL__2PRFIN20070629_060017_000000412059_00249_27858_4618.N1	29-JUN-2007 06:00:17	Straylight	40.500	45	Alp Pav	1.9400	26000.	81	27858	No
76	GOM_NL__2PRFIN20070629_060544_000000362059_00249_27858_4619.N1	29-JUN-2007 06:05:44	Straylight	36.000	147	Alp Ara	2.8770	26000.	72	27858	No
77	GOM_NL__2PRFIN20070629_060732_000000422059_00249_27858_4620.N1	29-JUN-2007 06:07:32	Tw_i_and_stray	42.000	40	The Sco	1.8590	7100.0	84	27858	No
78	GOM_NL__2PRFIN20070629_060912_000000432059_00249_27858_4621.N1	29-JUN-2007 06:09:12	Tw_i_and_stray	43.000	25	35Lam Sco	1.6200	28000.	86	27858	No
79	GOM_NL__2PRFIN20070629_061035_000000412059_00249_27858_4622.N1	29-JUN-2007 06:10:35	Bright	41.000	116	19Del Sgr	2.7000	4100.0	82	27858	No
80	GOM_NL__2PRFIN20070629_061526_000000372059_00249_27858_4623.N1	29-JUN-2007 06:15:26	Bright	37.000	86	35Eta Oph	2.4300	10200.	74	27858	No
81	GOM_NL__2PRFIN20070629_061710_000000362059_00249_27858_4624.N1	29-JUN-2007 06:17:10	Bright	36.000	98	13Zet Oph	2.5710	30000.	72	27858	No
82	GOM_NL__2PRFIN20070629_062110_000000372059_00249_27858_4625.N1	29-JUN-2007 06:21:10	Bright	37.000	126	60Bet Oph	2.7700	4250.0	74	27858	No
83	GOM_NL__2PRFIN20070629_062331_000000382059_00249_27858_4626.N1	29-JUN-2007 06:23:31	Bright	37.500	59	55Alp Oph	2.0800	8900.0	75	27858	No
84	GOM_NL__2PRFIN20070629_062607_000000372059_00249_27858_4627.N1	29-JUN-2007 06:26:07	Bright	36.500	127	27Bet Her	2.7810	4700.0	73	27858	No
85	GOM_NL__2PRFIN20070629_062854_000000372059_00249_27858_4628.N1	29-JUN-2007 06:28:54	Bright	36.500	133	40Zet Her	2.8070	6000.0	73	27858	No
86	GOM_NL__2PRFIN20070629_063502_000000372059_00249_27858_4629.N1	29-JUN-2007 06:35:02	Bright	37.000	130	23Bet Dra	2.7990	5800.0	74	27858	No
87	GOM_NL__2PRFIN20070629_063719_000000362059_00249_27858_4630.N1	29-JUN-2007 06:37:19	Bright	36.000	119	14Eta Dra	2.7270	4700.0	72	27858	No
88	GOM_NL__2PRFIN20070629_064115_000000362059_00249_27858_4631.N1	29-JUN-2007 06:41:15	Bright	36.000	60	7Bet UMi	2.0810	3950.0	72	27858	No
89	GOM_NL__2PRFIN20070629_064533_000000362059_00249_27858_4632.N1	29-JUN-2007 06:45:33	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	27858	No
90	GOM_NL__2PRFIN20070629_065552_000000342059_00249_27858_4633.N1	29-JUN-2007 06:55:52	Bright	34.000	160	23Gam Per	2.9300	4700.0	68	27858	No
91	GOM_NL__2PRFIN20070629_065732_000000322059_00249_27858_4634.N1	29-JUN-2007 06:57:32	Bright	32.000	175	39Del Per	3.0100	19400.	64	27858	No
92	GOM_NL__2PRFIN20070629_065941_000000362059_00249_27858_4635.N1	29-JUN-2007 06:59:41	Bright	35.500	79	26Bet Per	2.3100	13100.	71	27858	No
93	GOM_NL__2PRFIN20070629_071052_000000382059_00249_27858_4636.N1	29-JUN-2007 07:10:52	Dark	37.500	94	92Alp Cet	2.5260	3100.0	75	27858	No
94	GOM_NL__2PRFIN20070629_071440_000000422059_00249_27858_4637.N1	29-JUN-2007 07:14:40	Dark	42.000	165	34Gam Eri	2.9500	3200.0	84	27858	No
95	GOM_NL__2PRFIN20070629_072905_000000462059_00250_27859_4629.N1	29-JUN-2007 07:29:05	Dark	45.500	9	Alp Eri	0.45300	24000.	91	27859	No
96	GOM_NL__2PRFIN20070629_073628_000000402059_00250_27859_4630.N1	29-JUN-2007 07:36:28	Straylight	39.500	148	Alp Tuc	2.8780	4100.0	79	27859	No
97	GOM_NL__2PRFIN20070629_074054_000000402059_00250_27859_4631.N1	29-JUN-2007 07:40:54	Straylight	40.000	45	Alp Pav	1.9400	26000.	80	27859	No
98	GOM_NL__2PRFIN20070629_074620_000000392059_00250_27859_4632.N1	29-JUN-2007 07:46:20	Straylight	39.000	147	Alp Ara	2.8770	26000.	78	27859	No
99	GOM_NL__2PRFIN20070629_074808_000000442059_00250_27859_4633.N1	29-JUN-2007 07:48:08	Tw_i_and_stray	43.500	40	The Sco	1.8590	7100.0	87	27859	No
100	GOM_NL__2PRFIN20070629_074948_000000422059_00250_27859_4634.N1	29-JUN-2007 07:49:48	Tw_i_and_stray	42.000	25	35Lam Sco	1.6200	28000.	84	27859	No
101	GOM_NL__2PRFIN20070629_075112_000000422059_00250_27859_4635.N1	29-JUN-2007 07:51:12	Bright	42.000	116	19Del Sgr	2.7000	4100.0	84	27859	No

102	GOM_NL__2PRFIN20070629_075602_000000372059_00250_27859_4636.N1	29-JUN-2007 07:56:02	Bright	37.000	86	35Eta Oph	2.4300	10200.	74	27859	No
103	GOM_NL__2PRFIN20070629_075746_000000362059_00250_27859_4637.N1	29-JUN-2007 07:57:46	Bright	36.000	98	13Zet Oph	2.5710	30000.	72	27859	No
104	GOM_NL__2PRFIN20070629_080146_000000372059_00250_27859_4638.N1	29-JUN-2007 08:01:46	Bright	37.000	126	60Bet Oph	2.7700	4250.0	74	27859	No
105	GOM_NL__2PRFIN20070629_080407_000000382059_00250_27859_4639.N1	29-JUN-2007 08:04:07	Bright	37.500	59	55Alp Oph	2.0800	8900.0	75	27859	No
106	GOM_NL__2PRFIN20070629_080643_000000372059_00250_27859_4640.N1	29-JUN-2007 08:06:43	Bright	36.500	127	27Bet Her	2.7810	4700.0	73	27859	No
107	GOM_NL__2PRFIN20070629_080930_000000352059_00250_27859_4641.N1	29-JUN-2007 08:09:30	Bright	35.000	133	40Zet Her	2.8070	6000.0	70	27859	No
108	GOM_NL__2PRFIN20070629_081538_000000382059_00250_27859_4642.N1	29-JUN-2007 08:15:38	Bright	37.500	130	23Bet Dra	2.7990	5800.0	75	27859	No
109	GOM_NL__2PRFIN20070629_081755_000000362059_00250_27859_4643.N1	29-JUN-2007 08:17:55	Bright	36.000	119	14Eta Dra	2.7270	4700.0	72	27859	No
110	GOM_NL__2PRFIN20070629_082151_000000352059_00250_27859_4644.N1	29-JUN-2007 08:21:51	Bright	34.500	60	7Bet UMi	2.0810	3950.0	69	27859	No
111	GOM_NL__2PRFIN20070629_082609_000000332059_00250_27859_4645.N1	29-JUN-2007 08:26:09	Bright	33.000	49	1Alp UMi	1.9900	6300.0	66	27859	No
112	GOM_NL__2PRFIN20070629_083628_000000552059_00250_27859_4646.N1	29-JUN-2007 08:36:28	Bright	55.000	160	23Gam Per	2.9300	4700.0	110	27859	No
113	GOM_NL__2PRFIN20070629_083808_000000332059_00250_27859_4647.N1	29-JUN-2007 08:38:08	Bright	32.500	175	39Del Per	3.0100	19400.	65	27859	No
114	GOM_NL__2PRFIN20070629_084016_000000422059_00250_27859_4648.N1	29-JUN-2007 08:40:16	Bright	41.500	79	26Bet Per	2.3100	13100.	83	27859	No
115	GOM_NL__2PRFIN20070629_085128_000000482059_00250_27859_4649.N1	29-JUN-2007 08:51:28	Dark	48.000	94	92Alp Cet	2.5260	3100.0	96	27859	No
116	GOM_NL__2PRFIN20070629_085516_000000402059_00250_27859_4650.N1	29-JUN-2007 08:55:16	Dark	40.000	165	34Gam Eri	2.9500	3200.0	80	27859	No
117	GOM_NL__2PRFIN20070629_090941_000000432059_00251_27860_4670.N1	29-JUN-2007 09:09:41	Dark	42.500	9	Alp Eri	0.45300	24000.	85	27860	No
118	GOM_NL__2PRFIN20070629_091705_000000412059_00251_27860_4671.N1	29-JUN-2007 09:17:05	Straylight	41.000	148	Alp Tuc	2.8780	4100.0	82	27860	No
119	GOM_NL__2PRFIN20070629_092130_000000422059_00251_27860_4672.N1	29-JUN-2007 09:21:30	Straylight	42.000	45	Alp Pav	1.9400	26000.	84	27860	No
120	GOM_NL__2PRFIN20070629_092656_000000392059_00251_27860_4673.N1	29-JUN-2007 09:26:56	Straylight	38.500	147	Alp Ara	2.8770	26000.	77	27860	No
121	GOM_NL__2PRFIN20070629_092844_000000402059_00251_27860_4674.N1	29-JUN-2007 09:28:44	Twi_and_stray	40.000	40	The Sco	1.8590	7100.0	80	27860	No
122	GOM_NL__2PRFIN20070629_093024_000000402059_00251_27860_4675.N1	29-JUN-2007 09:30:24	Twi_and_stray	40.000	25	35Lam Sco	1.6200	28000.	80	27860	No
123	GOM_NL__2PRFIN20070629_093148_000000562059_00251_27860_4676.N1	29-JUN-2007 09:31:48	Bright	56.000	116	19Del Sgr	2.7000	4100.0	112	27860	No
124	GOM_NL__2PRFIN20070629_093638_000000372059_00251_27860_4677.N1	29-JUN-2007 09:36:38	Bright	36.500	86	35Eta Oph	2.4300	10200.	73	27860	No
125	GOM_NL__2PRFIN20070629_093822_000000362059_00251_27860_4678.N1	29-JUN-2007 09:38:22	Bright	36.000	98	13Zet Oph	2.5710	30000.	72	27860	No
126	GOM_NL__2PRFIN20070629_094222_000000372059_00251_27860_4679.N1	29-JUN-2007 09:42:22	Bright	37.000	126	60Bet Oph	2.7700	4250.0	74	27860	No
127	GOM_NL__2PRFIN20070629_094443_000000372059_00251_27860_4680.N1	29-JUN-2007 09:44:43	Bright	37.000	59	55Alp Oph	2.0800	8900.0	74	27860	No
128	GOM_NL__2PRFIN20070629_094719_000000352059_00251_27860_4681.N1	29-JUN-2007 09:47:19	Bright	35.000	127	27Bet Her	2.7810	4700.0	70	27860	No
129	GOM_NL__2PRFIN20070629_095006_000000352059_00251_27860_4682.N1	29-JUN-2007 09:50:06	Bright	34.500	133	40Zet Her	2.8070	6000.0	69	27860	No
130	GOM_NL__2PRFIN20070629_095613_000000372059_00251_27860_4683.N1	29-JUN-2007 09:56:13	Bright	37.000	130	23Bet Dra	2.7990	5800.0	74	27860	No
131	GOM_NL__2PRFIN20070629_095831_000000362059_00251_27860_4684.N1	29-JUN-2007 09:58:31	Bright	35.500	119	14Eta Dra	2.7270	4700.0	71	27860	No
132	GOM_NL__2PRFIN20070629_100227_000000372059_00251_27860_4685.N1	29-JUN-2007 10:02:27	Bright	37.000	60	7Bet UMi	2.0810	3950.0	74	27860	No
133	GOM_NL__2PRFIN20070629_100645_000000362059_00251_27860_4686.N1	29-JUN-2007 10:06:45	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	27860	No
134	GOM_NL__2PRFIN20070629_101703_000000552059_00251_27860_4687.N1	29-JUN-2007 10:17:03	Bright	55.000	160	23Gam Per	2.9300	4700.0	110	27860	No
135	GOM_NL__2PRFIN20070629_101844_000000342059_00251_27860_4688.N1	29-JUN-2007 10:18:44	Bright	34.000	175	39Del Per	3.0100	19400.	68	27860	No
136	GOM_NL__2PRFIN20070629_102052_000000382059_00251_27860_4689.N1	29-JUN-2007 10:20:52	Bright	37.500	79	26Bet Per	2.3100	13100.	75	27860	No
137	GOM_NL__2PRFIN20070629_103205_000000462059_00251_27860_4690.N1	29-JUN-2007 10:32:05	Dark	45.500	94	92Alp Cet	2.5260	3100.0	91	27860	No
138	GOM_NL__2PRFIN20070629_103552_000000412059_00251_27860_4691.N1	29-JUN-2007 10:35:52	Dark	41.000	165	34Gam Eri	2.9500	3200.0	82	27860	No
139	GOM_NL__2PRFIN20070629_105017_000000452059_00252_27861_4722.N1	29-JUN-2007 10:50:17	Dark	44.500	9	Alp Eri	0.45300	24000.	89	27861	No
140	GOM_NL__2PRFIN20070629_105741_000000402059_00252_27861_4723.N1	29-JUN-2007 10:57:41	Straylight	40.000	148	Alp Tuc	2.8780	4100.0	80	27861	No
141	GOM_NL__2PRFIN20070629_110206_000000442059_00252_27861_4724.N1	29-JUN-2007 11:02:06	Straylight	43.500	45	Alp Pav	1.9400	26000.	87	27861	No
142	GOM_NL__2PRFIN20070629_110732_000000372059_00252_27861_4725.N1	29-JUN-2007 11:07:32	Straylight	37.000	147	Alp Ara	2.8770	26000.	74	27861	No
143	GOM_NL__2PRFIN20070629_110920_000000392059_00252_27861_4726.N1	29-JUN-2007 11:09:20	Twi_and_stray	39.000	40	The Sco	1.8590	7100.0	78	27861	No
144	GOM_NL__2PRFIN20070629_111100_000000402059_00252_27861_4727.N1	29-JUN-2007 11:11:00	Twi_and_stray	39.500	25	35Lam Sco	1.6200	28000.	79	27861	No
145	GOM_NL__2PRFIN20070629_111224_000000482059_00252_27861_4728.N1	29-JUN-2007 11:12:24	Bright	47.500	116	19Del Sgr	2.7000	4100.0	95	27861	No
146	GOM_NL__2PRFIN20070629_111714_000000362059_00252_27861_4729.N1	29-JUN-2007 11:17:14	Bright	35.500	86	35Eta Oph	2.4300	10200.	71	27861	No
147	GOM_NL__2PRFIN20070629_111858_000000362059_00252_27861_4730.N1	29-JUN-2007 11:18:58	Bright	36.000	98	13Zet Oph	2.5710	30000.	72	27861	No
148	GOM_NL__2PRFIN20070629_112258_000000372059_00252_27861_4731.N1	29-JUN-2007 11:22:58	Bright	37.000	126	60Bet Oph	2.7700	4250.0	74	27861	No
149	GOM_NL__2PRFIN20070629_112519_000000372059_00252_27861_4732.N1	29-JUN-2007 11:25:19	Bright	36.500	59	55Alp Oph	2.0800	8900.0	73	27861	No
150	GOM_NL__2PRFIN20070629_112755_000000362059_00252_27861_4733.N1	29-JUN-2007 11:27:55	Bright	36.000	127	27Bet Her	2.7810	4700.0	72	27861	No
151	GOM_NL__2PRFIN20070629_113041_000000362059_00252_27861_4734.N1	29-JUN-2007 11:30:41	Bright	35.500	133	40Zet Her	2.8070	6000.0	71	27861	No
152	GOM_NL__2PRFIN20070629_113649_000000382059_00252_27861_4735.N1	29-JUN-2007 11:36:49	Bright	38.000	130	23Bet Dra	2.7990	5800.0	76	27861	No
153	GOM_NL__2PRFIN20070629_113907_000000372059_00252_27861_4736.N1	29-JUN-2007 11:39:07	Bright	36.500	119	14Eta Dra	2.7270	4700.0	73	27861	No
154	GOM_NL__2PRFIN20070629_114303_000000372059_00252_27861_4737.N1	29-JUN-2007 11:43:03	Bright	36.500	60	7Bet UMi	2.0810	3950.0	73	27861	No
155	GOM_NL__2PRFIN20070629_114720_000000362059_00252_27861_4738.N1	29-JUN-2007 11:47:20	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	27861	No
156	GOM_NL__2PRFIN20070629_115739_000000362059_00252_27861_4739.N1	29-JUN-2007 11:57:39	Bright	35.500	160	23Gam Per	2.9300	4700.0	71	27861	No
157	GOM_NL__2PRFIN20070629_115919_000000482059_00252_27861_4740.N1	29-JUN-2007 11:59:19	Bright	47.500	175	39Del Per	3.0100	19400.	95	27861	No
158	GOM_NL__2PRFIN20070629_120128_000000382059_00252_27861_4741.N1	29-JUN-2007 12:01:28	Bright	38.000	79	26Bet Per	2.3100	13100.	76	27861	No
159	GOM_NL__2PRFIN20070629_121241_000000462059_00252_27861_4742.N1	29-JUN-2007 12:12:41	Dark	45.500	94	92Alp Cet	2.5260	3100.0	91	27861	No
160	GOM_NL__2PRFIN20070629_121629_000000442059_00252_27861_4743.N1	29-JUN-2007 12:16:29	Dark	43.500	165	34Gam Eri	2.9500	3200.0	87	27861	No

161	GOM_NL__2PRFIN20070629_123054_000000502059_00253_27862_4785.N1	29-JUN-2007 12:30:54	Dark	50.000	9	Alp Eri	0.45300	24000.	100	27862	No
162	GOM_NL__2PRFIN20070629_123818_000000422059_00253_27862_4786.N1	29-JUN-2007 12:38:18	Straylight	41.500	148	Alp Tuc	2.8780	4100.0	83	27862	No
163	GOM_NL__2PRFIN20070629_124243_000000412059_00253_27862_4787.N1	29-JUN-2007 12:42:43	Straylight	40.500	45	Alp Pav	1.9400	26000.	81	27862	No
164	GOM_NL__2PRFIN20070629_124809_000000372059_00253_27862_4788.N1	29-JUN-2007 12:48:09	Straylight	37.000	147	Alp Ara	2.8770	26000.	74	27862	No
165	GOM_NL__2PRFIN20070629_124956_000000422059_00253_27862_4789.N1	29-JUN-2007 12:49:56	Tw_i_and_stray	42.000	40	The Sco	1.8590	7100.0	84	27862	No
166	GOM_NL__2PRFIN20070629_125136_000000422059_00253_27862_4790.N1	29-JUN-2007 12:51:36	Tw_i_and_stray	41.500	25	35Lam Sco	1.6200	28000.	83	27862	No
167	GOM_NL__2PRFIN20070629_125300_000000562059_00253_27862_4791.N1	29-JUN-2007 12:53:00	Bright	55.500	116	19Del Sgr	2.7000	4100.0	111	27862	No
168	GOM_NL__2PRFIN20070629_125750_000000372059_00253_27862_4792.N1	29-JUN-2007 12:57:50	Bright	36.500	86	35Eta Oph	2.4300	10200.	73	27862	No
169	GOM_NL__2PRFIN20070629_125934_000000362059_00253_27862_4793.N1	29-JUN-2007 12:59:34	Bright	36.000	98	13Zet Oph	2.5710	30000.	72	27862	No
170	GOM_NL__2PRFIN20070629_130334_000000372059_00253_27862_4794.N1	29-JUN-2007 13:03:34	Bright	36.500	126	60Bet Oph	2.7700	4250.0	73	27862	No
171	GOM_NL__2PRFIN20070629_130554_000000362059_00253_27862_4795.N1	29-JUN-2007 13:05:54	Bright	36.000	59	55Alp Oph	2.0800	8900.0	72	27862	No
172	GOM_NL__2PRFIN20070629_130831_000000362059_00253_27862_4796.N1	29-JUN-2007 13:08:31	Bright	36.000	127	27Bet Her	2.7810	4700.0	72	27862	No
173	GOM_NL__2PRFIN20070629_131117_000000362059_00253_27862_4797.N1	29-JUN-2007 13:11:17	Bright	35.500	133	40Zet Her	2.8070	6000.0	71	27862	No
174	GOM_NL__2PRFIN20070629_131725_000000382059_00253_27862_4798.N1	29-JUN-2007 13:17:25	Bright	38.000	130	23Bet Dra	2.7990	5800.0	76	27862	No
175	GOM_NL__2PRFIN20070629_131942_000000372059_00253_27862_4799.N1	29-JUN-2007 13:19:42	Bright	36.500	119	14Eta Dra	2.7270	4700.0	73	27862	No
176	GOM_NL__2PRFIN20070629_132339_000000342059_00253_27862_4800.N1	29-JUN-2007 13:23:39	Bright	34.000	60	7Bet UMi	2.0810	3950.0	68	27862	No
177	GOM_NL__2PRFIN20070629_132756_000000362059_00253_27862_4801.N1	29-JUN-2007 13:27:56	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	27862	No
178	GOM_NL__2PRFIN20070629_133815_000000392059_00253_27862_4802.N1	29-JUN-2007 13:38:15	Bright	38.500	160	23Gam Per	2.9300	4700.0	77	27862	No
179	GOM_NL__2PRFIN20070629_133955_000000382059_00253_27862_4803.N1	29-JUN-2007 13:39:55	Bright	38.000	175	39Del Per	3.0100	19400.	76	27862	No
180	GOM_NL__2PRFIN20070629_134205_000000382059_00253_27862_4804.N1	29-JUN-2007 13:42:05	Bright	38.000	79	26Bet Per	2.3100	13100.	76	27862	No
181	GOM_NL__2PRFIN20070629_135317_000000492059_00253_27862_4805.N1	29-JUN-2007 13:53:17	Dark	48.500	94	92Alp Cet	2.5260	3100.0	97	27862	No
182	GOM_NL__2PRFIN20070629_135705_000000412059_00253_27862_4806.N1	29-JUN-2007 13:57:05	Dark	41.000	165	34Gam Eri	2.9500	3200.0	82	27862	No
183	GOM_NL__2PRFIN20070629_141130_000000402059_00254_27863_4859.N1	29-JUN-2007 14:11:30	Dark	40.000	9	Alp Eri	0.45300	24000.	80	27863	No
184	GOM_NL__2PRFIN20070629_141854_000000432059_00254_27863_4860.N1	29-JUN-2007 14:18:54	Straylight	42.500	148	Alp Tuc	2.8780	4100.0	85	27863	No
185	GOM_NL__2PRFIN20070629_142319_000000412059_00254_27863_4861.N1	29-JUN-2007 14:23:19	Straylight	40.500	45	Alp Pav	1.9400	26000.	81	27863	No
186	GOM_NL__2PRFIN20070629_142845_000000362059_00254_27863_4862.N1	29-JUN-2007 14:28:45	Straylight	36.000	147	Alp Ara	2.8770	26000.	72	27863	No
187	GOM_NL__2PRFIN20070629_143032_000000432059_00254_27863_4863.N1	29-JUN-2007 14:30:32	Tw_i_and_stray	43.000	40	The Sco	1.8590	7100.0	86	27863	No
188	GOM_NL__2PRFIN20070629_143212_000000422059_00254_27863_4864.N1	29-JUN-2007 14:32:12	Tw_i_and_stray	42.000	25	35Lam Sco	1.6200	28000.	84	27863	No
189	GOM_NL__2PRFIN20070629_143336_000000442059_00254_27863_4865.N1	29-JUN-2007 14:33:36	Bright	44.000	116	19Del Sgr	2.7000	4100.0	88	27863	No
190	GOM_NL__2PRFIN20070629_143826_000000362059_00254_27863_4866.N1	29-JUN-2007 14:38:26	Bright	35.500	86	35Eta Oph	2.4300	10200.	71	27863	No
191	GOM_NL__2PRFIN20070629_144011_000000362059_00254_27863_4867.N1	29-JUN-2007 14:40:11	Bright	36.000	98	13Zet Oph	2.5710	30000.	72	27863	No
192	GOM_NL__2PRFIN20070629_144410_000000382059_00254_27863_4868.N1	29-JUN-2007 14:44:10	Bright	37.500	126	60Bet Oph	2.7700	4250.0	75	27863	No
193	GOM_NL__2PRFIN20070629_144630_000000382059_00254_27863_4869.N1	29-JUN-2007 14:46:30	Bright	37.500	59	55Alp Oph	2.0800	8900.0	75	27863	No
194	GOM_NL__2PRFIN20070629_144907_000000372059_00254_27863_4870.N1	29-JUN-2007 14:49:07	Bright	37.000	127	27Bet Her	2.7810	4700.0	74	27863	No
195	GOM_NL__2PRFIN20070629_145153_000000342059_00254_27863_4871.N1	29-JUN-2007 14:51:53	Bright	34.000	133	40Zet Her	2.8070	6000.0	68	27863	No
196	GOM_NL__2PRFIN20070629_145800_000000382059_00254_27863_4872.N1	29-JUN-2007 14:58:00	Bright	38.000	130	23Bet Dra	2.7990	5800.0	76	27863	No
197	GOM_NL__2PRFIN20070629_150018_000000352059_00254_27863_4873.N1	29-JUN-2007 15:00:18	Bright	35.000	119	14Eta Dra	2.7270	4700.0	70	27863	No
198	GOM_NL__2PRFIN20070629_150415_000000352059_00254_27863_4874.N1	29-JUN-2007 15:04:15	Bright	34.500	60	7Bet UMi	2.0810	3950.0	69	27863	No
199	GOM_NL__2PRFIN20070629_150832_000000362059_00254_27863_4875.N1	29-JUN-2007 15:08:32	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	27863	No
200	GOM_NL__2PRFIN20070629_151851_000000442059_00254_27863_4876.N1	29-JUN-2007 15:18:51	Bright	44.000	160	23Gam Per	2.9300	4700.0	88	27863	No
201	GOM_NL__2PRFIN20070629_152031_000000332059_00254_27863_4877.N1	29-JUN-2007 15:20:31	Bright	33.000	175	39Del Per	3.0100	19400.	66	27863	No
202	GOM_NL__2PRFIN20070629_152241_000000492059_00254_27863_4878.N1	29-JUN-2007 15:22:41	Bright	49.000	79	26Bet Per	2.3100	13100.	98	27863	No
203	GOM_NL__2PRFIN20070629_153354_000000492059_00254_27863_4879.N1	29-JUN-2007 15:33:54	Dark	49.000	94	92Alp Cet	2.5260	3100.0	98	27863	No
204	GOM_NL__2PRFIN20070629_153741_000000442059_00254_27863_4880.N1	29-JUN-2007 15:37:41	Dark	43.500	165	34Gam Eri	2.9500	3200.0	87	27863	No
205	GOM_NL__2PRFIN20070629_155206_000000402059_00255_27864_4872.N1	29-JUN-2007 15:52:06	Dark	39.500	9	Alp Eri	0.45300	24000.	79	27864	No
206	GOM_NL__2PRFIN20070629_155931_000000422059_00255_27864_4873.N1	29-JUN-2007 15:59:31	Straylight	42.000	148	Alp Tuc	2.8780	4100.0	84	27864	No
207	GOM_NL__2PRFIN20070629_160356_000000412059_00255_27864_4874.N1	29-JUN-2007 16:03:56	Straylight	40.500	45	Alp Pav	1.9400	26000.	81	27864	No
208	GOM_NL__2PRFIN20070629_160921_000000372059_00255_27864_4875.N1	29-JUN-2007 16:09:21	Straylight	37.000	147	Alp Ara	2.8770	26000.	74	27864	No
209	GOM_NL__2PRFIN20070629_161108_000000432059_00255_27864_4876.N1	29-JUN-2007 16:11:08	Tw_i_and_stray	43.000	40	The Sco	1.8590	7100.0	86	27864	No
210	GOM_NL__2PRFIN20070629_161248_000000432059_00255_27864_4877.N1	29-JUN-2007 16:12:48	Tw_i_and_stray	43.000	25	35Lam Sco	1.6200	28000.	86	27864	No
211	GOM_NL__2PRFIN20070629_161412_000000542059_00255_27864_4878.N1	29-JUN-2007 16:14:12	Bright	53.500	116	19Del Sgr	2.7000	4100.0	107	27864	No
212	GOM_NL__2PRFIN20070629_161902_000000372059_00255_27864_4879.N1	29-JUN-2007 16:19:02	Bright	37.000	86	35Eta Oph	2.4300	10200.	74	27864	No
213	GOM_NL__2PRFIN20070629_162047_000000372059_00255_27864_4880.N1	29-JUN-2007 16:20:47	Bright	36.500	98	13Zet Oph	2.5710	30000.	73	27864	No
214	GOM_NL__2PRFIN20070629_162446_000000382059_00255_27864_4881.N1	29-JUN-2007 16:24:46	Bright	37.500	126	60Bet Oph	2.7700	4250.0	75	27864	No
215	GOM_NL__2PRFIN20070629_162706_000000392059_00255_27864_4882.N1	29-JUN-2007 16:27:06	Bright	38.500	59	55Alp Oph	2.0800	8900.0	77	27864	No
216	GOM_NL__2PRFIN20070629_162943_000000362059_00255_27864_4883.N1	29-JUN-2007 16:29:43	Bright	36.000	127	27Bet Her	2.7810	4700.0	72	27864	No
217	GOM_NL__2PRFIN20070629_163229_000000362059_00255_27864_4884.N1	29-JUN-2007 16:32:29	Bright	36.000	133	40Zet Her	2.8070	6000.0	72	27864	No
218	GOM_NL__2PRFIN20070629_163836_000000382059_00255_27864_4885.N1	29-JUN-2007 16:38:36	Bright	38.000	130	23Bet Dra	2.7990	5800.0	76	27864	No
219	GOM_NL__2PRFIN20070629_164054_000000362059_00255_27864_4886.N1	29-JUN-2007 16:40:54	Bright	36.000	119	14Eta Dra	2.7270	4700.0	72	27864	No

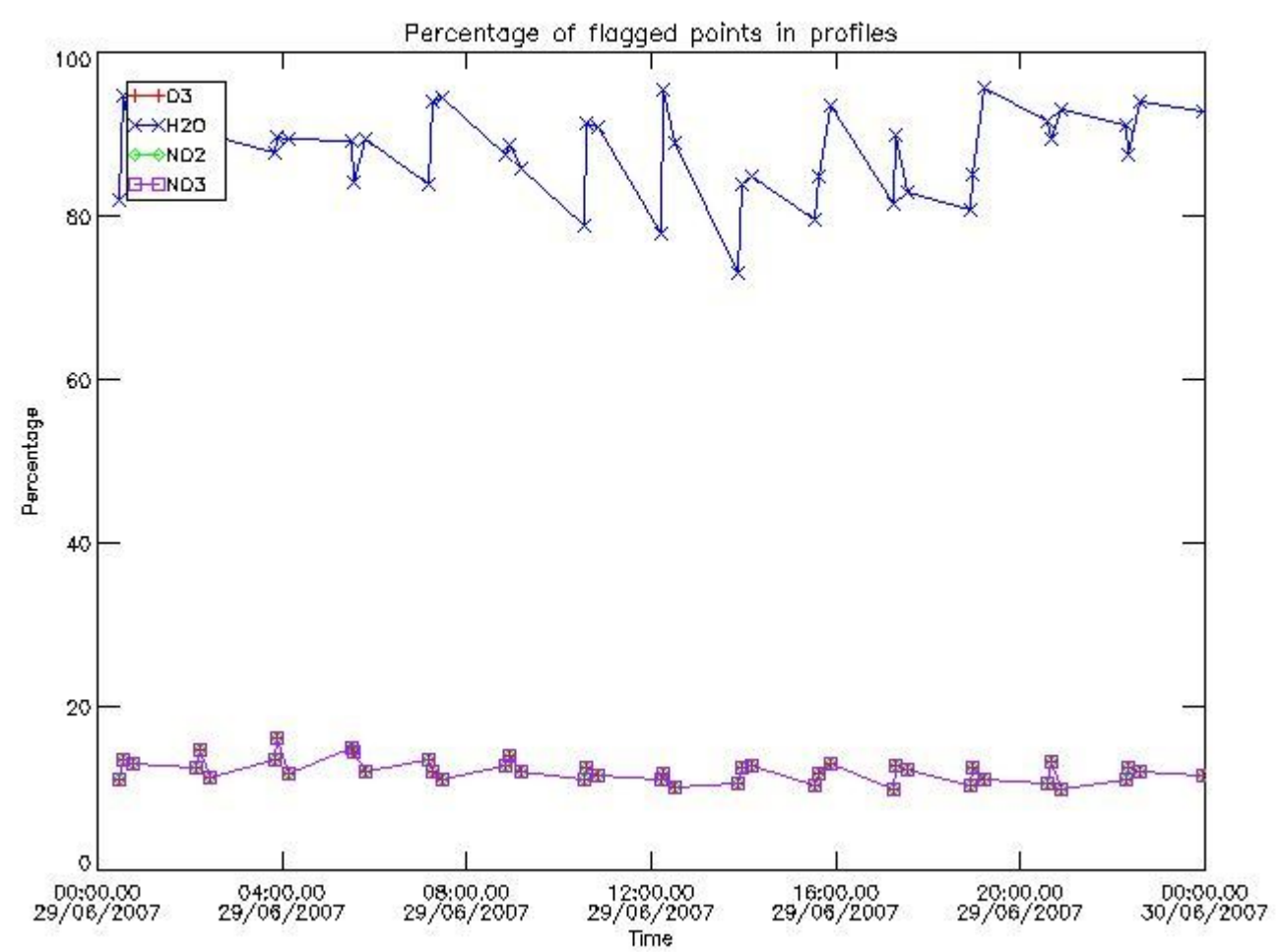
220	GOM_NL__2PRFIN20070629_164451_000000342059_00255_27864_4887.N1	29-JUN-2007 16:44:51	Bright	33.500	60	7Bet UMi	2.0810	3950.0	67	27864	No
221	GOM_NL__2PRFIN20070629_164908_000000362059_00255_27864_4888.N1	29-JUN-2007 16:49:08	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	27864	No
222	GOM_NL__2PRFIN20070629_165927_000000502059_00255_27864_4889.N1	29-JUN-2007 16:59:27	Bright	50.000	160	23Gam Per	2.9300	4700.0	100	27864	No
223	GOM_NL__2PRFIN20070629_170107_000000332059_00255_27864_4890.N1	29-JUN-2007 17:01:07	Bright	33.000	175	39Del Per	3.0100	19400.	66	27864	No
224	GOM_NL__2PRFIN20070629_170316_000000452059_00255_27864_4891.N1	29-JUN-2007 17:03:16	Bright	45.000	79	26Bet Per	2.3100	13100.	90	27864	No
225	GOM_NL__2PRFIN20070629_171430_000000522059_00255_27864_4892.N1	29-JUN-2007 17:14:30	Dark	51.500	94	92Alp Cet	2.5260	3100.0	103	27864	No
226	GOM_NL__2PRFIN20070629_171817_000000402059_00255_27864_4893.N1	29-JUN-2007 17:18:17	Dark	40.000	165	34Gam Eri	2.9500	3200.0	80	27864	No
227	GOM_NL__2PRFIN20070629_173243_000000422059_00256_27865_4897.N1	29-JUN-2007 17:32:43	Dark	41.500	9	Alp Eri	0.45300	24000.	83	27865	No
228	GOM_NL__2PRFIN20070629_174008_000000412059_00256_27865_4898.N1	29-JUN-2007 17:40:08	Straylight	40.500	148	Alp Tuc	2.8780	4100.0	81	27865	No
229	GOM_NL__2PRFIN20070629_174432_000000402059_00256_27865_4899.N1	29-JUN-2007 17:44:32	Straylight	39.500	45	Alp Pav	1.9400	26000.	79	27865	No
230	GOM_NL__2PRFIN20070629_174957_000000372059_00256_27865_4900.N1	29-JUN-2007 17:49:57	Straylight	36.500	147	Alp Ara	2.8770	26000.	73	27865	No
231	GOM_NL__2PRFIN20070629_175145_000000432059_00256_27865_4901.N1	29-JUN-2007 17:51:45	Tw_i_and_stray	42.500	40	The Sco	1.8590	7100.0	85	27865	No
232	GOM_NL__2PRFIN20070629_175325_000000402059_00256_27865_4902.N1	29-JUN-2007 17:53:25	Tw_i_and_stray	39.500	25	35Lam Sco	1.6200	28000.	79	27865	No
233	GOM_NL__2PRFIN20070629_175449_000000462059_00256_27865_4903.N1	29-JUN-2007 17:54:49	Bright	45.500	116	19Del Sgr	2.7000	4100.0	91	27865	No
234	GOM_NL__2PRFIN20070629_175938_000000372059_00256_27865_4904.N1	29-JUN-2007 17:59:38	Bright	36.500	86	35Eta Oph	2.4300	10200.	73	27865	No
235	GOM_NL__2PRFIN20070629_180123_000000362059_00256_27865_4905.N1	29-JUN-2007 18:01:23	Bright	35.500	98	13Zet Oph	2.5710	30000.	71	27865	No
236	GOM_NL__2PRFIN20070629_180521_000000382059_00256_27865_4906.N1	29-JUN-2007 18:05:21	Bright	38.000	126	60Bet Oph	2.7700	4250.0	76	27865	No
237	GOM_NL__2PRFIN20070629_180742_000000372059_00256_27865_4907.N1	29-JUN-2007 18:07:42	Bright	36.500	59	55Alp Oph	2.0800	8900.0	73	27865	No
238	GOM_NL__2PRFIN20070629_181019_000000382059_00256_27865_4908.N1	29-JUN-2007 18:10:19	Bright	37.500	127	27Bet Her	2.7810	4700.0	75	27865	No
239	GOM_NL__2PRFIN20070629_181305_000000342059_00256_27865_4909.N1	29-JUN-2007 18:13:05	Bright	34.000	133	40Zet Her	2.8070	6000.0	68	27865	No
240	GOM_NL__2PRFIN20070629_181912_000000382059_00256_27865_4910.N1	29-JUN-2007 18:19:12	Bright	37.500	130	23Bet Dra	2.7990	5800.0	75	27865	No
241	GOM_NL__2PRFIN20070629_182130_000000362059_00256_27865_4911.N1	29-JUN-2007 18:21:30	Bright	36.000	119	14Eta Dra	2.7270	4700.0	72	27865	No
242	GOM_NL__2PRFIN20070629_182527_000000362059_00256_27865_4912.N1	29-JUN-2007 18:25:27	Bright	35.500	60	7Bet UMi	2.0810	3950.0	71	27865	No
243	GOM_NL__2PRFIN20070629_182944_000000362059_00256_27865_4913.N1	29-JUN-2007 18:29:44	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	27865	No
244	GOM_NL__2PRFIN20070629_184003_000000372059_00256_27865_4914.N1	29-JUN-2007 18:40:03	Bright	37.000	160	23Gam Per	2.9300	4700.0	74	27865	No
245	GOM_NL__2PRFIN20070629_184143_000000372059_00256_27865_4915.N1	29-JUN-2007 18:41:43	Bright	37.000	175	39Del Per	3.0100	19400.	74	27865	No
246	GOM_NL__2PRFIN20070629_184352_000000362059_00256_27865_4916.N1	29-JUN-2007 18:43:52	Bright	36.000	79	26Bet Per	2.3100	13100.	72	27865	No
247	GOM_NL__2PRFIN20070629_185506_000000502059_00256_27865_4917.N1	29-JUN-2007 18:55:06	Dark	49.500	94	92Alp Cet	2.5260	3100.0	99	27865	No
248	GOM_NL__2PRFIN20070629_185853_000000412059_00256_27865_4918.N1	29-JUN-2007 18:58:53	Dark	40.500	165	34Gam Eri	2.9500	3200.0	81	27865	No
249	GOM_NL__2PRFIN20070629_191319_000000462059_00257_27866_4908.N1	29-JUN-2007 19:13:19	Dark	46.000	9	Alp Eri	0.45300	24000.	92	27866	No
250	GOM_NL__2PRFIN20070629_192044_000000432059_00257_27866_4909.N1	29-JUN-2007 19:20:44	Straylight	42.500	148	Alp Tuc	2.8780	4100.0	85	27866	No
251	GOM_NL__2PRFIN20070629_192508_000000392059_00257_27866_4910.N1	29-JUN-2007 19:25:08	Straylight	39.000	45	Alp Pav	1.9400	26000.	78	27866	No
252	GOM_NL__2PRFIN20070629_193033_000000382059_00257_27866_4911.N1	29-JUN-2007 19:30:33	Straylight	37.500	147	Alp Ara	2.8770	26000.	75	27866	No
253	GOM_NL__2PRFIN20070629_193221_000000432059_00257_27866_4912.N1	29-JUN-2007 19:32:21	Tw_i_and_stray	43.000	40	The Sco	1.8590	7100.0	86	27866	No
254	GOM_NL__2PRFIN20070629_193401_000000402059_00257_27866_4913.N1	29-JUN-2007 19:34:01	Tw_i_and_stray	39.500	25	35Lam Sco	1.6200	28000.	79	27866	No
255	GOM_NL__2PRFIN20070629_193525_000000492059_00257_27866_4914.N1	29-JUN-2007 19:35:25	Bright	49.000	116	19Del Sgr	2.7000	4100.0	98	27866	No
256	GOM_NL__2PRFIN20070629_194014_000000372059_00257_27866_4915.N1	29-JUN-2007 19:40:14	Bright	37.000	86	35Eta Oph	2.4300	10200.	74	27866	No
257	GOM_NL__2PRFIN20070629_194159_000000352059_00257_27866_4916.N1	29-JUN-2007 19:41:59	Bright	35.000	98	13Zet Oph	2.5710	30000.	70	27866	No
258	GOM_NL__2PRFIN20070629_194557_000000382059_00257_27866_4917.N1	29-JUN-2007 19:45:57	Bright	38.000	126	60Bet Oph	2.7700	4250.0	76	27866	No
259	GOM_NL__2PRFIN20070629_194818_000000382059_00257_27866_4918.N1	29-JUN-2007 19:48:18	Bright	38.000	59	55Alp Oph	2.0800	8900.0	76	27866	No
260	GOM_NL__2PRFIN20070629_195055_000000372059_00257_27866_4919.N1	29-JUN-2007 19:50:55	Bright	36.500	127	27Bet Her	2.7810	4700.0	73	27866	No
261	GOM_NL__2PRFIN20070629_195341_000000352059_00257_27866_4920.N1	29-JUN-2007 19:53:41	Bright	34.500	133	40Zet Her	2.8070	6000.0	69	27866	No
262	GOM_NL__2PRFIN20070629_195948_000000382059_00257_27866_4921.N1	29-JUN-2007 19:59:48	Bright	37.500	130	23Bet Dra	2.7990	5800.0	75	27866	No
263	GOM_NL__2PRFIN20070629_200206_000000362059_00257_27866_4922.N1	29-JUN-2007 20:02:06	Bright	36.000	119	14Eta Dra	2.7270	4700.0	72	27866	No
264	GOM_NL__2PRFIN20070629_200603_000000362059_00257_27866_4923.N1	29-JUN-2007 20:06:03	Bright	35.500	60	7Bet UMi	2.0810	3950.0	71	27866	No
265	GOM_NL__2PRFIN20070629_201020_000000362059_00257_27866_4924.N1	29-JUN-2007 20:10:20	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	27866	No
266	GOM_NL__2PRFIN20070629_202039_000000352059_00257_27866_4925.N1	29-JUN-2007 20:20:39	Bright	35.000	160	23Gam Per	2.9300	4700.0	70	27866	No
267	GOM_NL__2PRFIN20070629_202219_000000342059_00257_27866_4926.N1	29-JUN-2007 20:22:19	Bright	33.500	175	39Del Per	3.0100	19400.	67	27866	No
268	GOM_NL__2PRFIN20070629_202429_000000442059_00257_27866_4927.N1	29-JUN-2007 20:24:29	Bright	44.000	79	26Bet Per	2.3100	13100.	88	27866	No
269	GOM_NL__2PRFIN20070629_203543_000000492059_00257_27866_4928.N1	29-JUN-2007 20:35:43	Dark	48.500	94	92Alp Cet	2.5260	3100.0	97	27866	No
270	GOM_NL__2PRFIN20070629_203930_000000432059_00257_27866_4929.N1	29-JUN-2007 20:39:30	Dark	42.500	165	34Gam Eri	2.9500	3200.0	85	27866	No
271	GOM_NL__2PRFIN20070629_205356_000000512059_00258_27867_4944.N1	29-JUN-2007 20:53:56	Dark	51.000	9	Alp Eri	0.45300	24000.	102	27867	No
272	GOM_NL__2PRFIN20070629_210121_000000412059_00258_27867_4945.N1	29-JUN-2007 21:01:21	Straylight	40.500	148	Alp Tuc	2.8780	4100.0	81	27867	No
273	GOM_NL__2PRFIN20070629_210545_000000412059_00258_27867_4946.N1	29-JUN-2007 21:05:45	Straylight	40.500	45	Alp Pav	1.9400	26000.	81	27867	No
274	GOM_NL__2PRFIN20070629_211109_000000362059_00258_27867_4947.N1	29-JUN-2007 21:11:09	Straylight	36.000	147	Alp Ara	2.8770	26000.	72	27867	No
275	GOM_NL__2PRFIN20070629_211257_000000422059_00258_27867_4948.N1	29-JUN-2007 21:12:57	Tw_i_and_stray	41.500	40	The Sco	1.8590	7100.0	83	27867	No
276	GOM_NL__2PRFIN20070629_211437_000000412059_00258_27867_4949.N1	29-JUN-2007 21:14:37	Tw_i_and_stray	41.000	25	35Lam Sco	1.6200	28000.	82	27867	No
277	GOM_NL__2PRFIN20070629_211601_000000562059_00258_27867_4950.N1	29-JUN-2007 21:16:01	Bright	55.500	116	19Del Sgr	2.7000	4100.0	111	27867	No
278	GOM_NL__2PRFIN20070629_212050_000000372059_00258_27867_4951.N1	29-JUN-2007 21:20:50	Bright	36.500	86	35Eta Oph	2.4300	10200.	73	27867	No

279	GOM_NL__2PRFIN20070629_212235_000000362059_00258_27867_4952.N1	29-JUN-2007 21:22:35	Bright	36.000	98	13Zet Oph	2.5710	30000.	72	27867	No
280	GOM_NL__2PRFIN20070629_212633_000000382059_00258_27867_4953.N1	29-JUN-2007 21:26:33	Bright	38.000	126	60Bet Oph	2.7700	4250.0	76	27867	No
281	GOM_NL__2PRFIN20070629_212854_000000372059_00258_27867_4954.N1	29-JUN-2007 21:28:54	Bright	36.500	59	55Alp Oph	2.0800	8900.0	73	27867	No
282	GOM_NL__2PRFIN20070629_213131_000000362059_00258_27867_4955.N1	29-JUN-2007 21:31:31	Bright	36.000	127	27Bet Her	2.7810	4700.0	72	27867	No
283	GOM_NL__2PRFIN20070629_213417_000000362059_00258_27867_4956.N1	29-JUN-2007 21:34:17	Bright	36.000	133	40Zet Her	2.8070	6000.0	72	27867	No
284	GOM_NL__2PRFIN20070629_214023_000000382059_00258_27867_4957.N1	29-JUN-2007 21:40:23	Bright	38.000	130	23Bet Dra	2.7990	5800.0	76	27867	No
285	GOM_NL__2PRFIN20070629_214242_000000362059_00258_27867_4958.N1	29-JUN-2007 21:42:42	Bright	35.500	119	14Eta Dra	2.7270	4700.0	71	27867	No
286	GOM_NL__2PRFIN20070629_214639_000000362059_00258_27867_4959.N1	29-JUN-2007 21:46:39	Bright	36.000	60	7Bet UMi	2.0810	3950.0	72	27867	No
287	GOM_NL__2PRFIN20070629_215056_000000362059_00258_27867_4960.N1	29-JUN-2007 21:50:56	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	27867	No
288	GOM_NL__2PRFIN20070629_220114_000000392059_00258_27867_4961.N1	29-JUN-2007 22:01:14	Bright	39.000	160	23Gam Per	2.9300	4700.0	78	27867	No
289	GOM_NL__2PRFIN20070629_220255_000000402059_00258_27867_4962.N1	29-JUN-2007 22:02:55	Bright	40.000	175	39Del Per	3.0100	19400.	80	27867	No
290	GOM_NL__2PRFIN20070629_220504_000000442059_00258_27867_4963.N1	29-JUN-2007 22:05:04	Bright	44.000	79	26Bet Per	2.3100	13100.	88	27867	No
291	GOM_NL__2PRFIN20070629_221619_000000462059_00258_27867_4964.N1	29-JUN-2007 22:16:19	Dark	45.500	94	92Alp Cet	2.5260	3100.0	91	27867	No
292	GOM_NL__2PRFIN20070629_222006_000000412059_00258_27867_4965.N1	29-JUN-2007 22:20:06	Dark	40.500	165	34Gam Eri	2.9500	3200.0	81	27867	No
293	GOM_NL__2PRFIN20070629_223432_000000422059_00259_27868_4961.N1	29-JUN-2007 22:34:32	Dark	42.000	9	Alp Eri	0.45300	24000.	84	27868	No
294	GOM_NL__2PRFIN20070629_224157_000000432059_00259_27868_4962.N1	29-JUN-2007 22:41:57	Straylight	43.000	148	Alp Tuc	2.8780	4100.0	86	27868	No
295	GOM_NL__2PRFIN20070629_224621_000000422059_00259_27868_4963.N1	29-JUN-2007 22:46:21	Straylight	41.500	45	Alp Pav	1.9400	26000.	83	27868	No
296	GOM_NL__2PRFIN20070629_225145_000000382059_00259_27868_4964.N1	29-JUN-2007 22:51:45	Straylight	38.000	147	Alp Ara	2.8770	26000.	76	27868	No
297	GOM_NL__2PRFIN20070629_225333_000000422059_00259_27868_4965.N1	29-JUN-2007 22:53:33	Tw_i_and_stray	42.000	40	The Sco	1.8590	7100.0	84	27868	No
298	GOM_NL__2PRFIN20070629_225513_000000412059_00259_27868_4966.N1	29-JUN-2007 22:55:13	Tw_i_and_stray	40.500	25	35Lam Sco	1.6200	28000.	81	27868	No
299	GOM_NL__2PRFIN20070629_225637_000000482059_00259_27868_4967.N1	29-JUN-2007 22:56:37	Bright	47.500	116	19Del Sgr	2.7000	4100.0	95	27868	No
300	GOM_NL__2PRFIN20070629_230126_000000372059_00259_27868_4968.N1	29-JUN-2007 23:01:26	Bright	36.500	86	35Eta Oph	2.4300	10200.	73	27868	No
301	GOM_NL__2PRFIN20070629_230311_000000352059_00259_27868_4969.N1	29-JUN-2007 23:03:11	Bright	35.000	98	13Zet Oph	2.5710	30000.	70	27868	No
302	GOM_NL__2PRFIN20070629_230709_000000372059_00259_27868_4970.N1	29-JUN-2007 23:07:09	Bright	37.000	126	60Bet Oph	2.7700	4250.0	74	27868	No
303	GOM_NL__2PRFIN20070629_230930_000000372059_00259_27868_4971.N1	29-JUN-2007 23:09:30	Bright	36.500	59	55Alp Oph	2.0800	8900.0	73	27868	No
304	GOM_NL__2PRFIN20070629_231207_000000382059_00259_27868_4972.N1	29-JUN-2007 23:12:07	Bright	37.500	127	27Bet Her	2.7810	4700.0	75	27868	No
305	GOM_NL__2PRFIN20070629_231453_000000372059_00259_27868_4973.N1	29-JUN-2007 23:14:53	Bright	37.000	133	40Zet Her	2.8070	6000.0	74	27868	No
306	GOM_NL__2PRFIN20070629_232059_000000352059_00259_27868_4974.N1	29-JUN-2007 23:20:59	Bright	35.000	130	23Bet Dra	2.7990	5800.0	70	27868	No
307	GOM_NL__2PRFIN20070629_232318_000000352059_00259_27868_4975.N1	29-JUN-2007 23:23:18	Bright	34.500	119	14Eta Dra	2.7270	4700.0	69	27868	No
308	GOM_NL__2PRFIN20070629_232715_000000342059_00259_27868_4976.N1	29-JUN-2007 23:27:15	Bright	33.500	60	7Bet UMi	2.0810	3950.0	67	27868	No
309	GOM_NL__2PRFIN20070629_233132_000000352059_00259_27868_4977.N1	29-JUN-2007 23:31:32	Bright	34.500	49	1Alp UMi	1.9900	6300.0	69	27868	No
310	GOM_NL__2PRFIN20070629_234150_000000362059_00259_27868_4978.N1	29-JUN-2007 23:41:50	Bright	36.000	160	23Gam Per	2.9300	4700.0	72	27868	No
311	GOM_NL__2PRFIN20070629_234331_000000332059_00259_27868_4979.N1	29-JUN-2007 23:43:31	Bright	33.000	175	39Del Per	3.0100	19400.	66	27868	No
312	GOM_NL__2PRFIN20070629_234540_000000302059_00259_27868_4980.N1	29-JUN-2007 23:45:40	Bright	30.000	79	26Bet Per	2.3100	13100.	60	27868	No
313	GOM_NL__2PRFIN20070629_235655_000000492059_00259_27868_4981.N1	29-JUN-2007 23:56:55	Dark	48.500	94	92Alp Cet	2.5260	3100.0	97	27868	No

3. Quality information per product

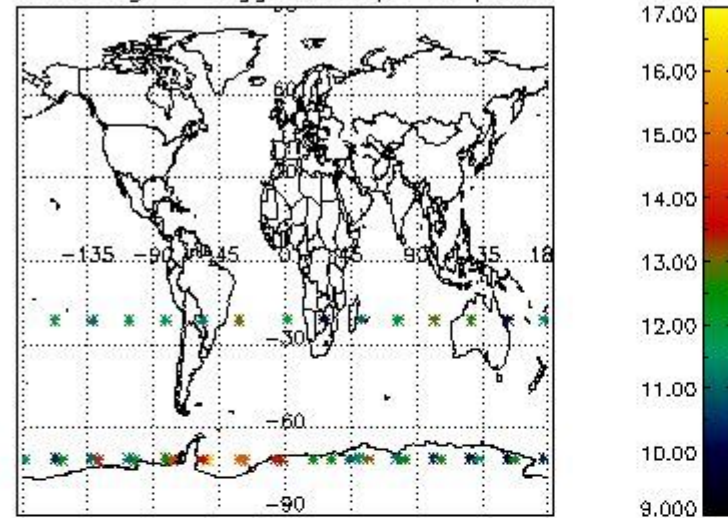
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

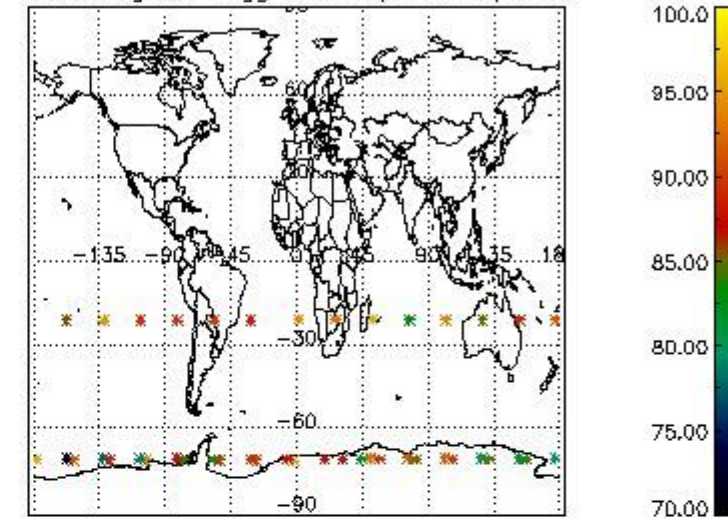


3.2 Plot quality information per product (world map)

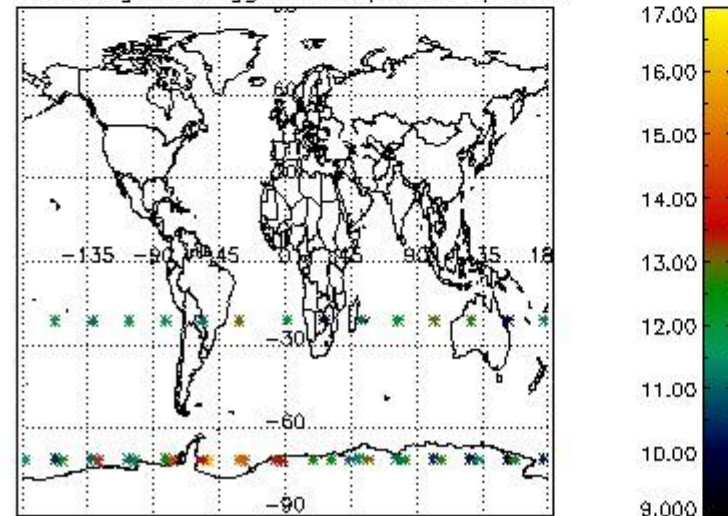
Percentage of flagged data per O3 profile



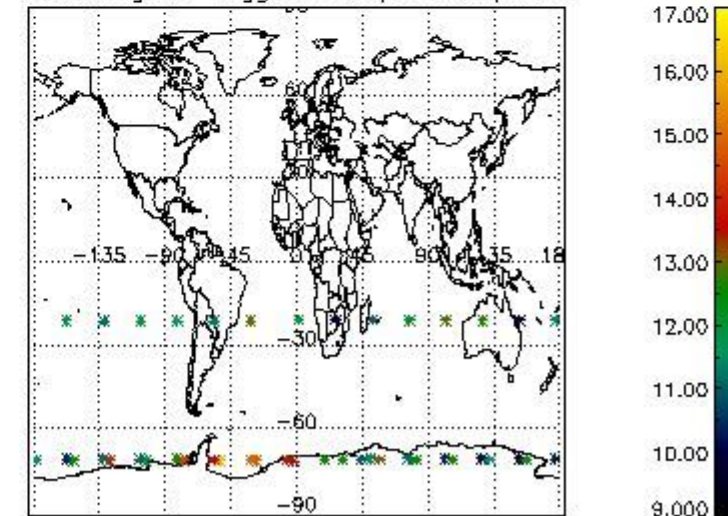
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

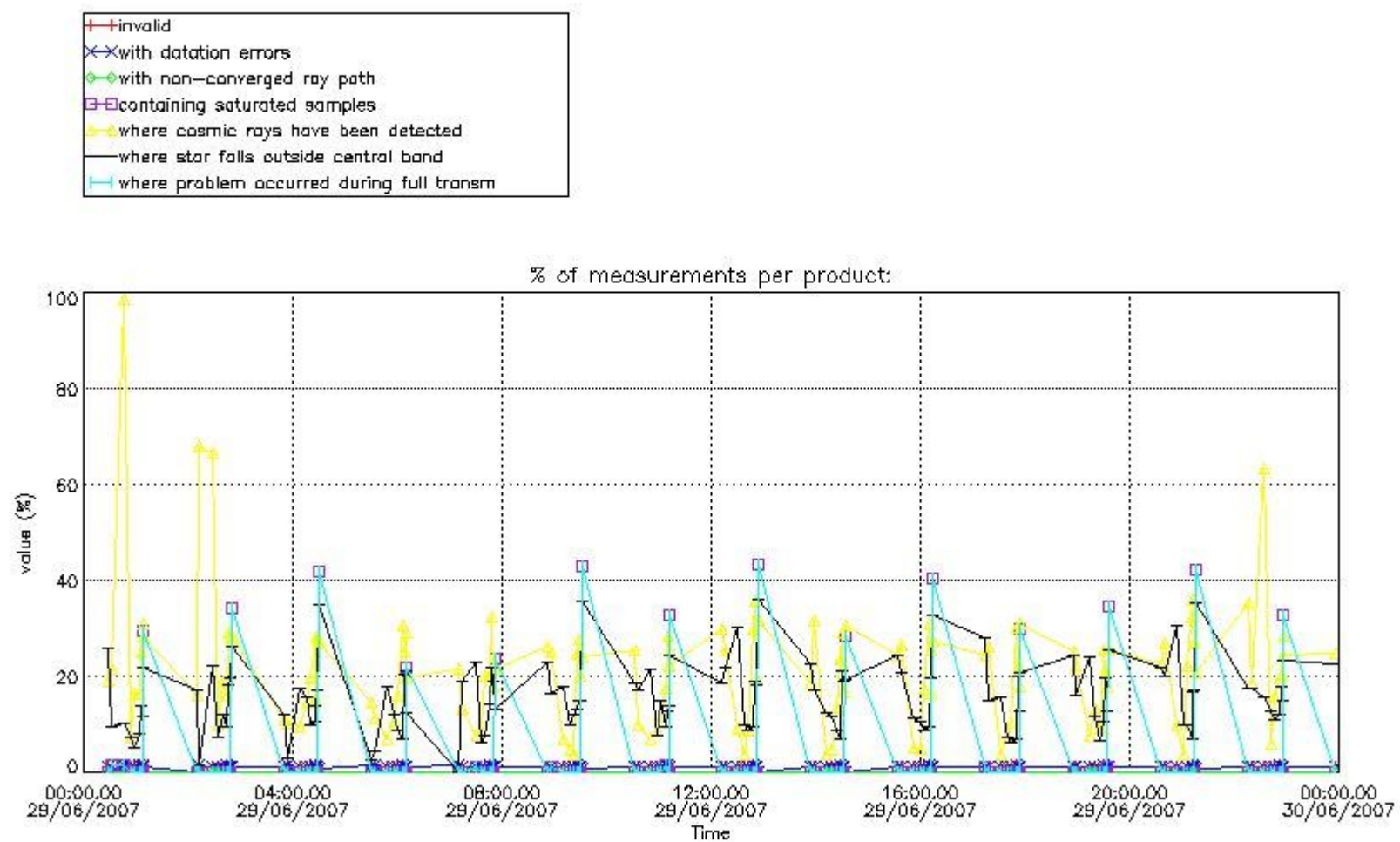


4. Level 1 quality information per product

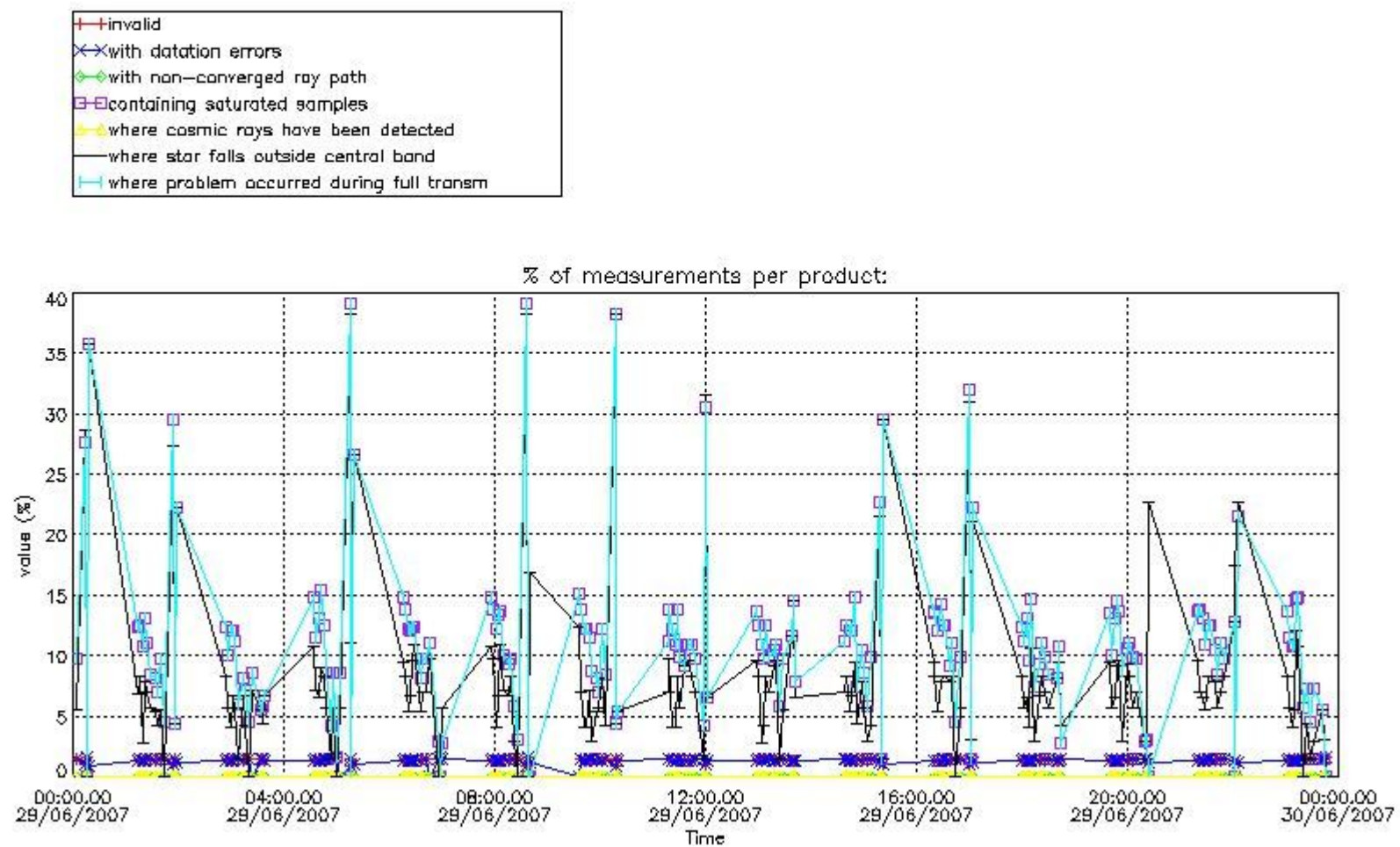
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

4.1 Plot quality information per product (time dependant) coming from level 1b processing

4.1.1 Plot level 1 quality information per product (time dependant): ENVISAT ASCENDING passes

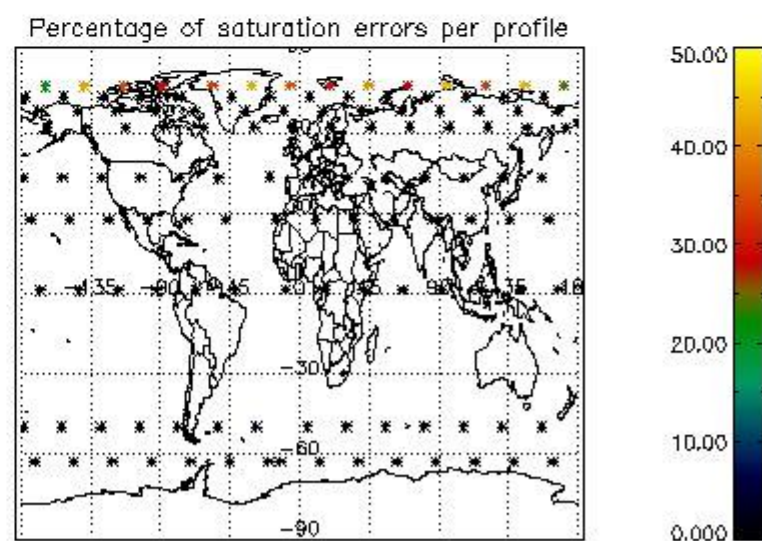
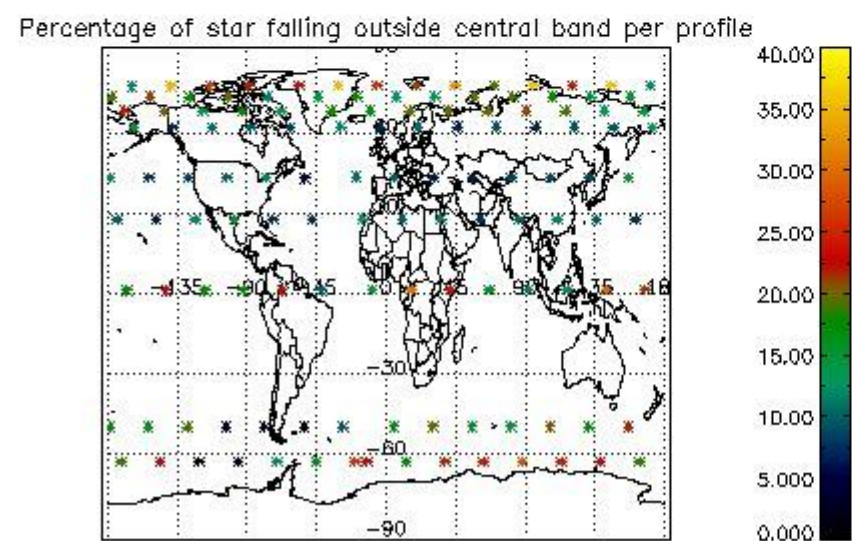
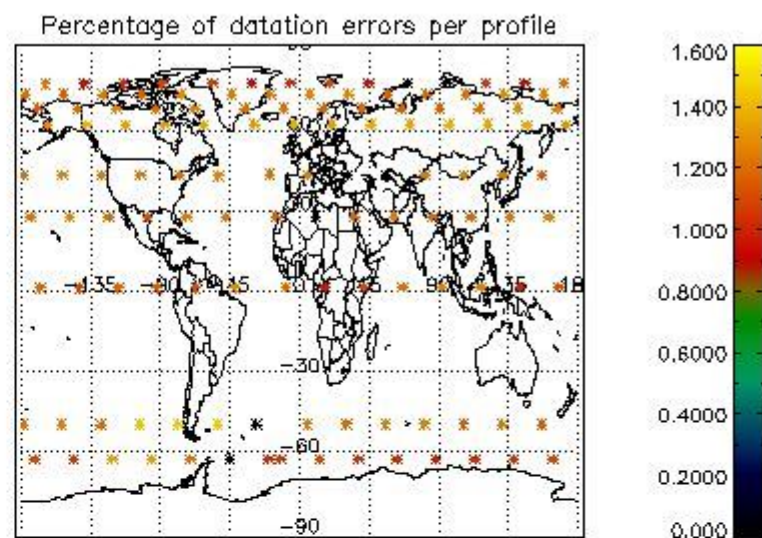
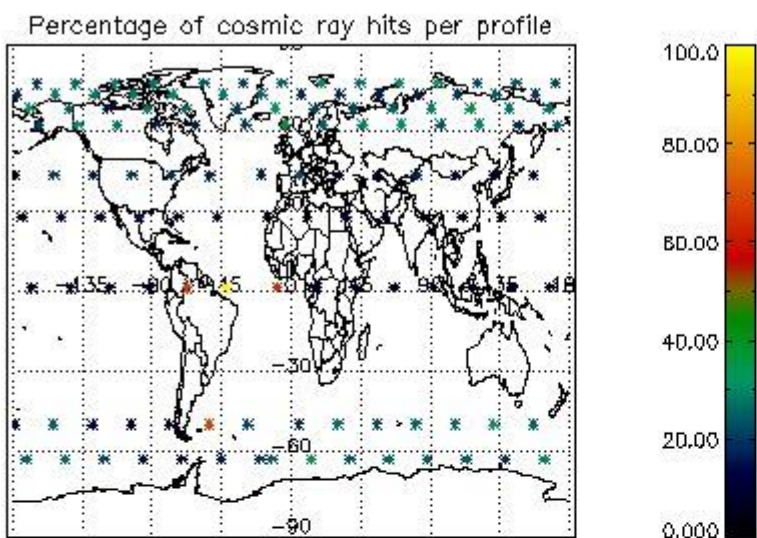


4.1.2 Plot level 1 quality information per product (time dependant): ENVISAT DESCENDING passes

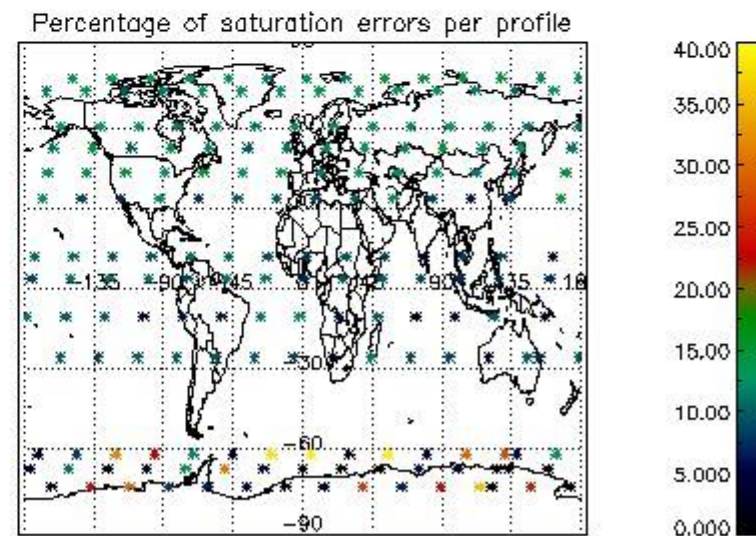
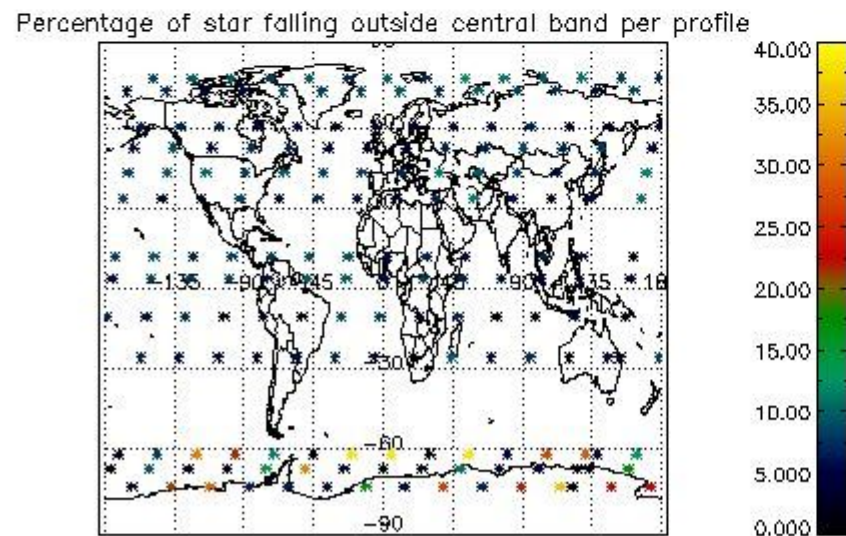
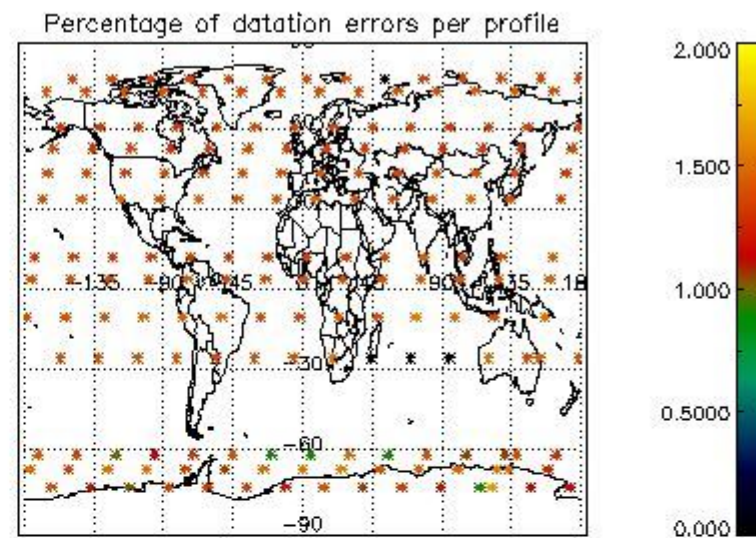
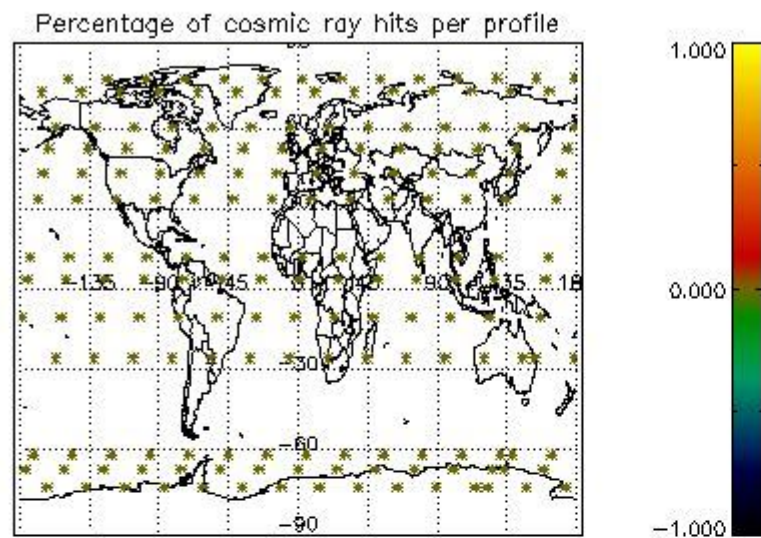


4.2 Plot quality information per product coming from level 1b processing (world map)

4.2.1 Plot level 1 quality information per product (world map): ENVISAT ASCENDING passes



4.2.2 Plot level 1 quality information per product (world map): ENVISAT DESCENDING passes



5. Trace gas profiles

5.1 Ozone statistics based on quality of products

The final quality of the products can be "measured" using the STD (Standard Deviation) attached to every point profile. This information is written to the parameter GOM_NL__2P/NL_LOCAL_SPECIES_DENSITY/o3_std of the level 2 products. The table below shows the statistics for given STD ranges.

The statistics are given with respect to the overall valid production:

- Products without fatal errors: GOM_NL__2P/MPH/PRODUCT_ERR=0
- Valid point profile: GOM_NL__2P/NL_LOCAL_SPECIES_DENSITY/pcd(0)=0

The 'Criteria' is applied to valid points of dark limb products:

- Products in dark limb illumination condition: GOM_NL__2P/NL_SUMMARY_QUALITY/obs_ill_cond=0
- Products without fatal errors: GOM_NL__2P/MPH/PRODUCT_ERR=0
- Valid point profile: GOM_NL__2P/NL_LOCAL_SPECIES_DENSITY/pcd(0)=0

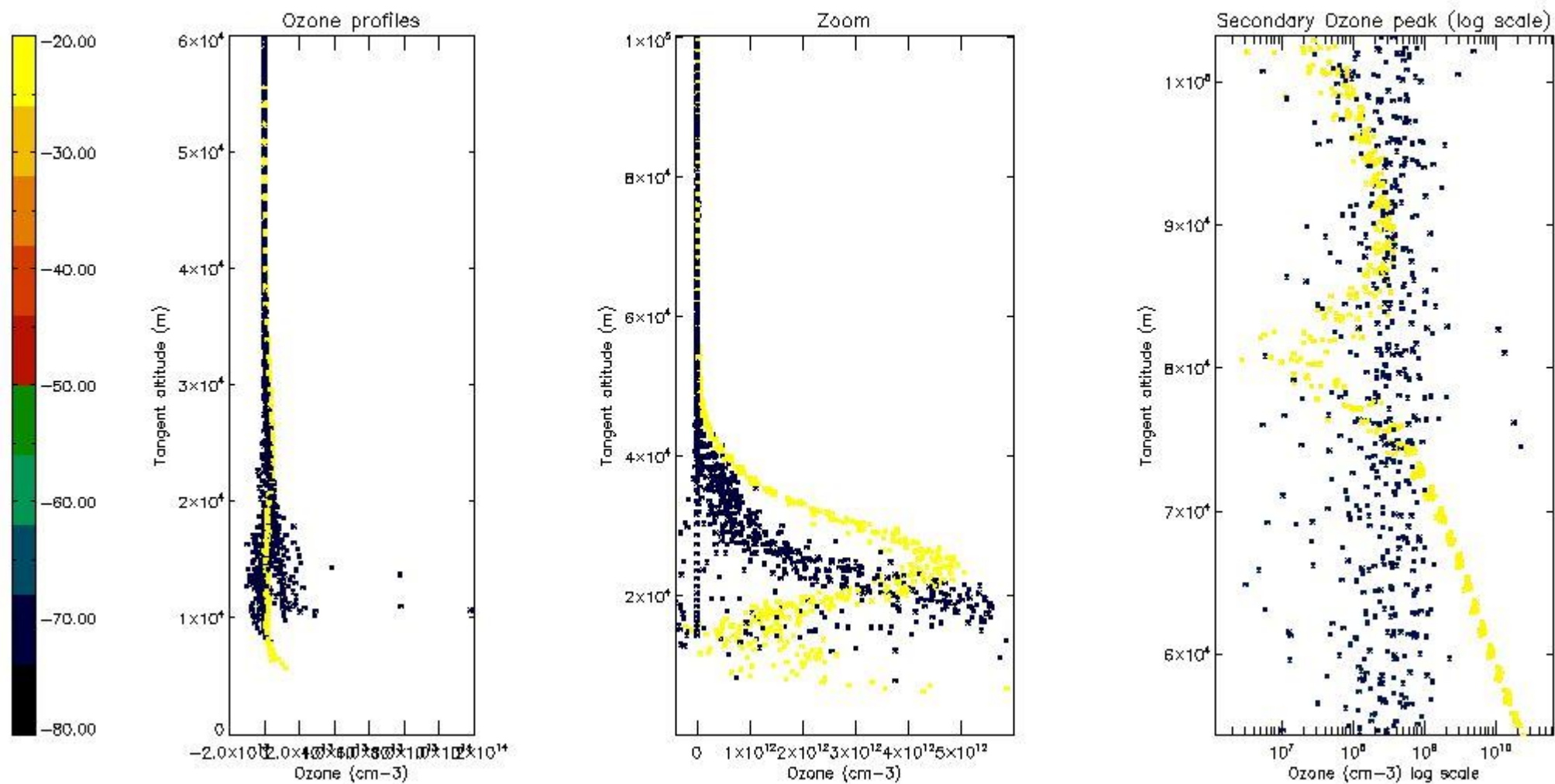
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	16
STD < 20	6

STD < 10	4
STD < 5	3

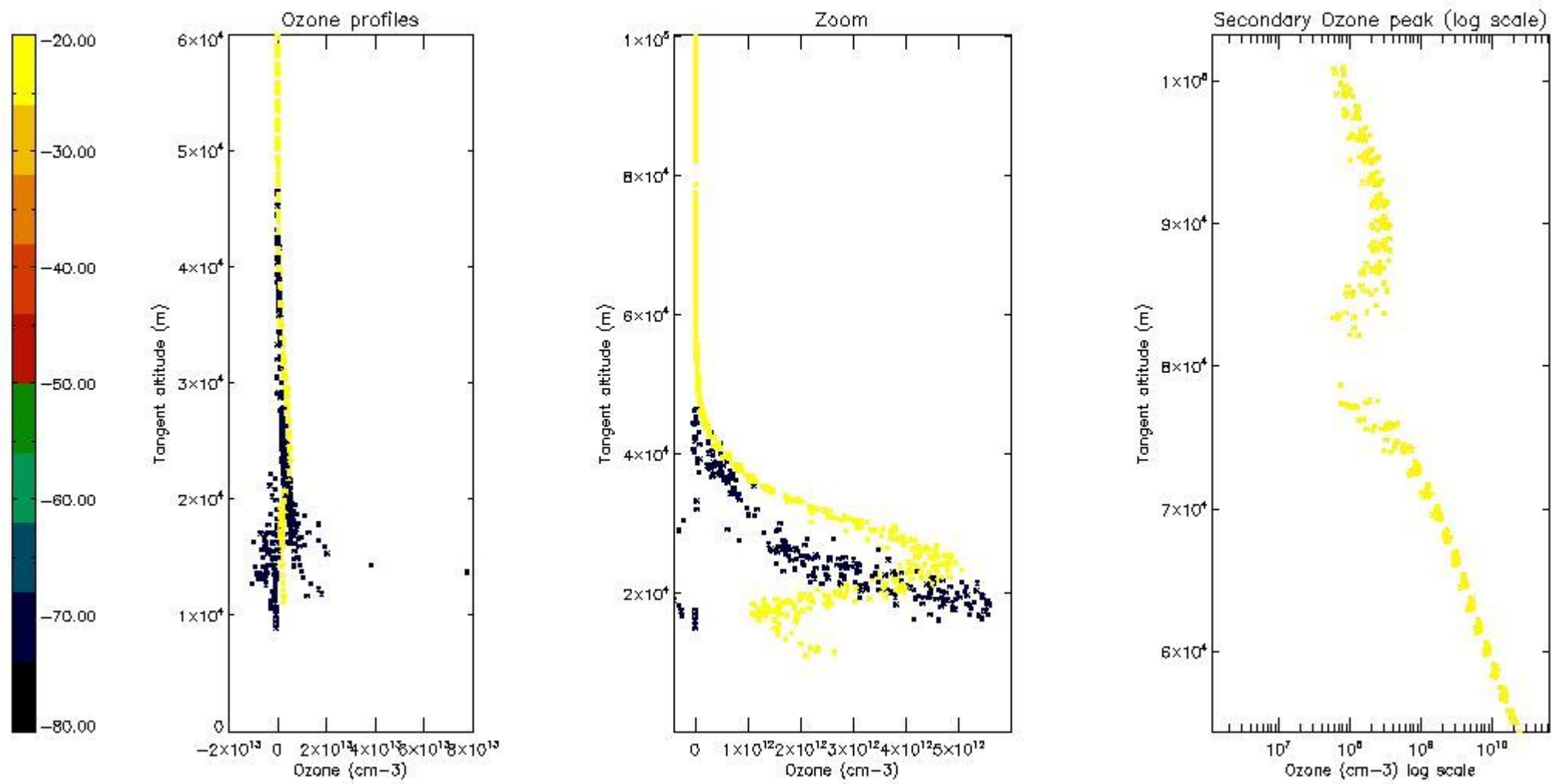
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



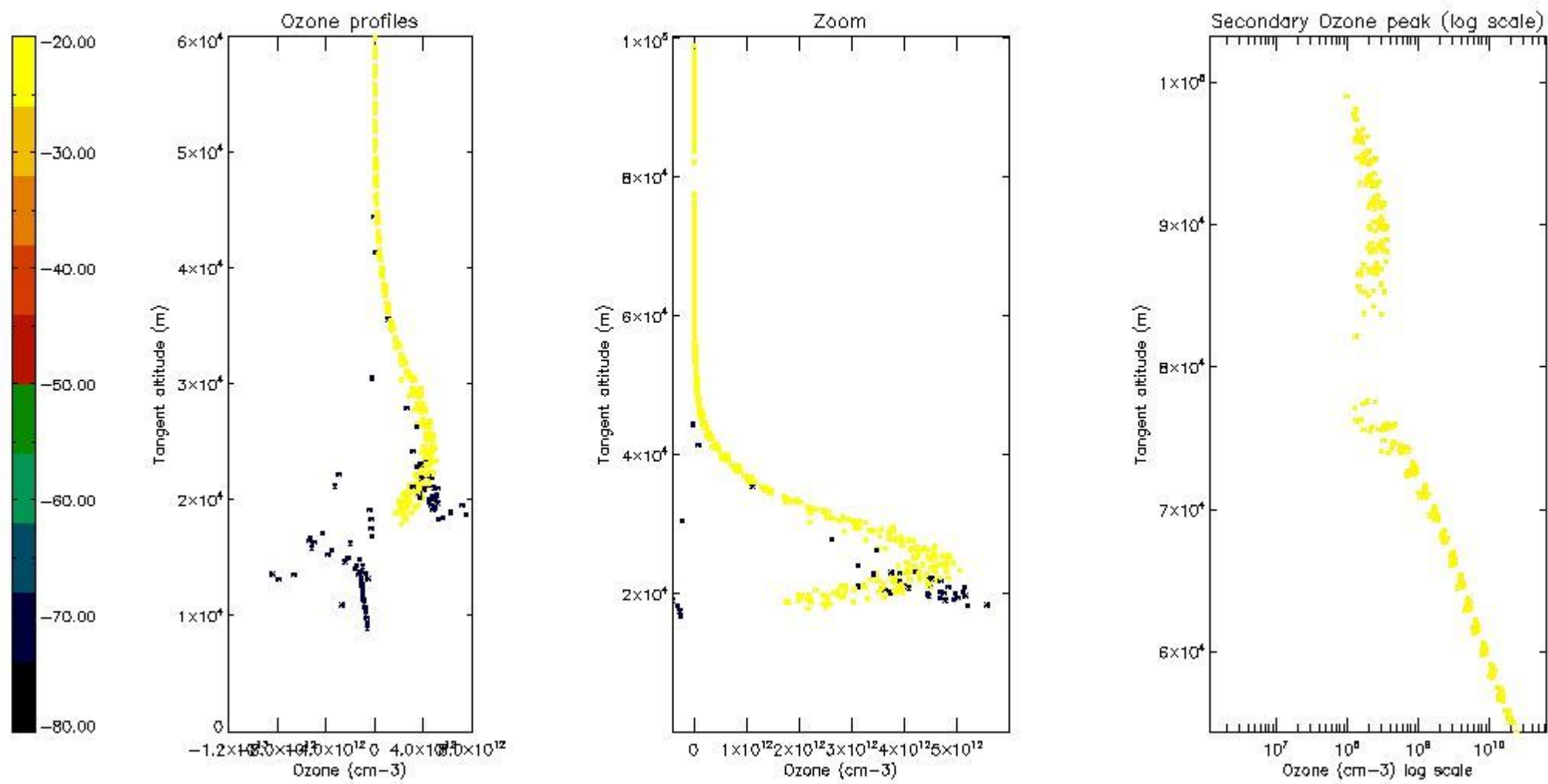
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



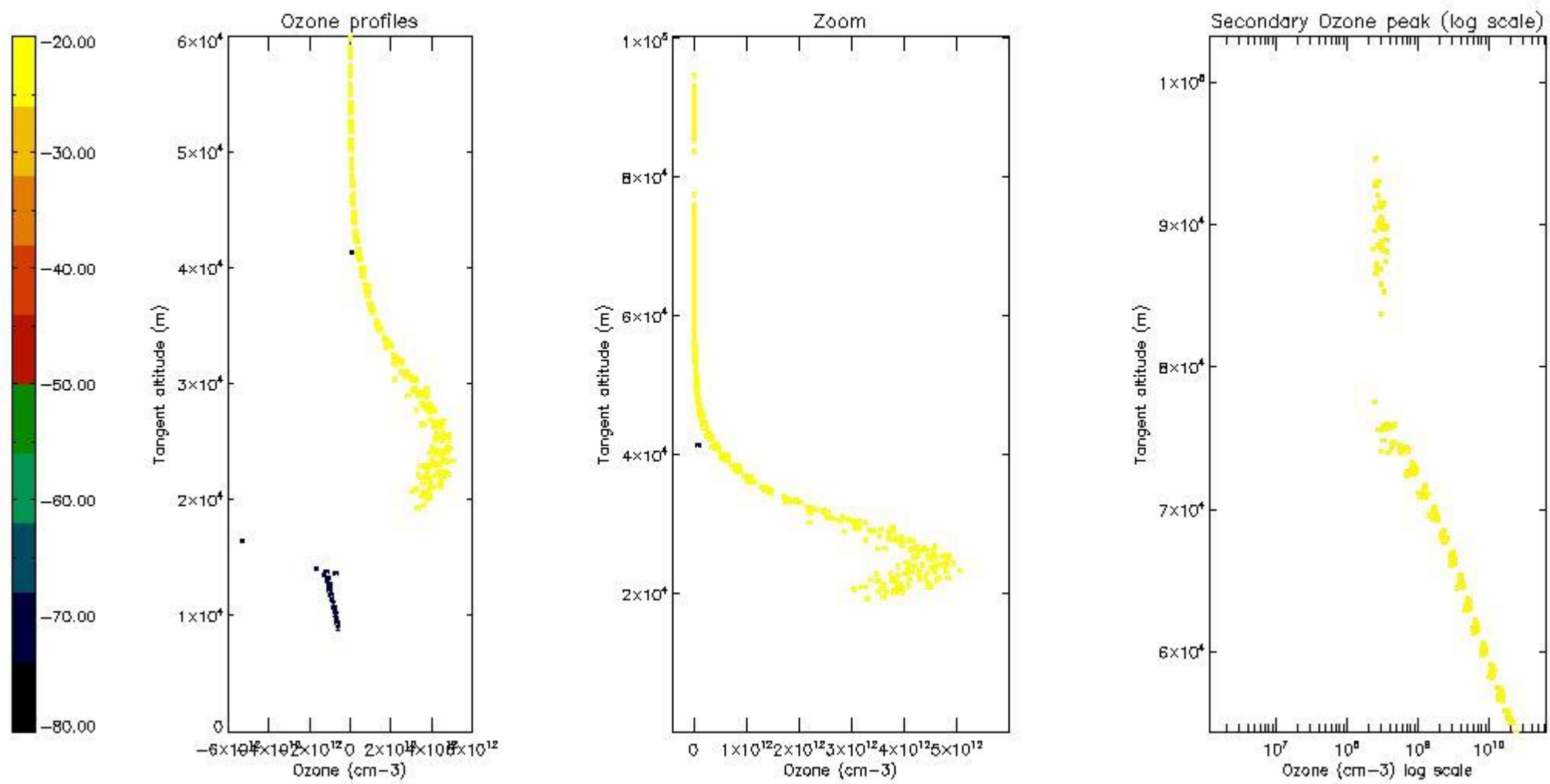
5.4 Plot ozone profiles where $STD < 10\%$ (dark without errors)

The colorbar represents the latitude.



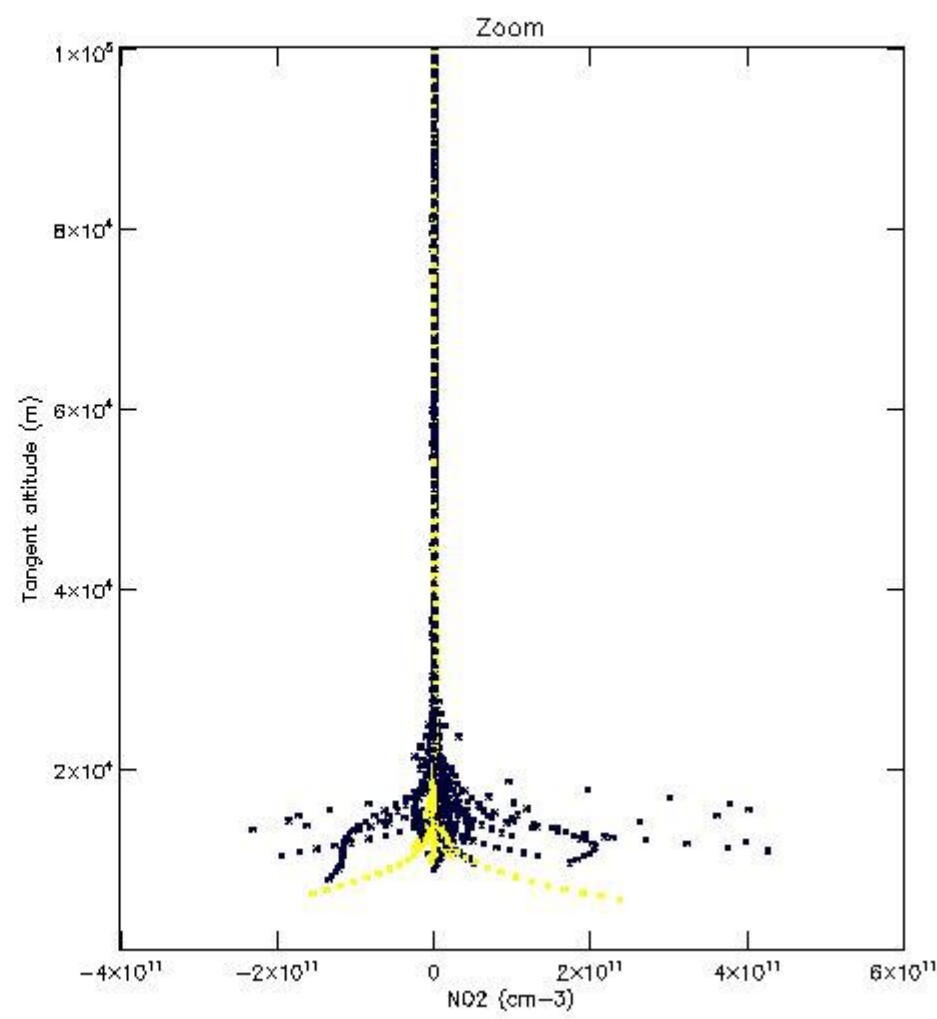
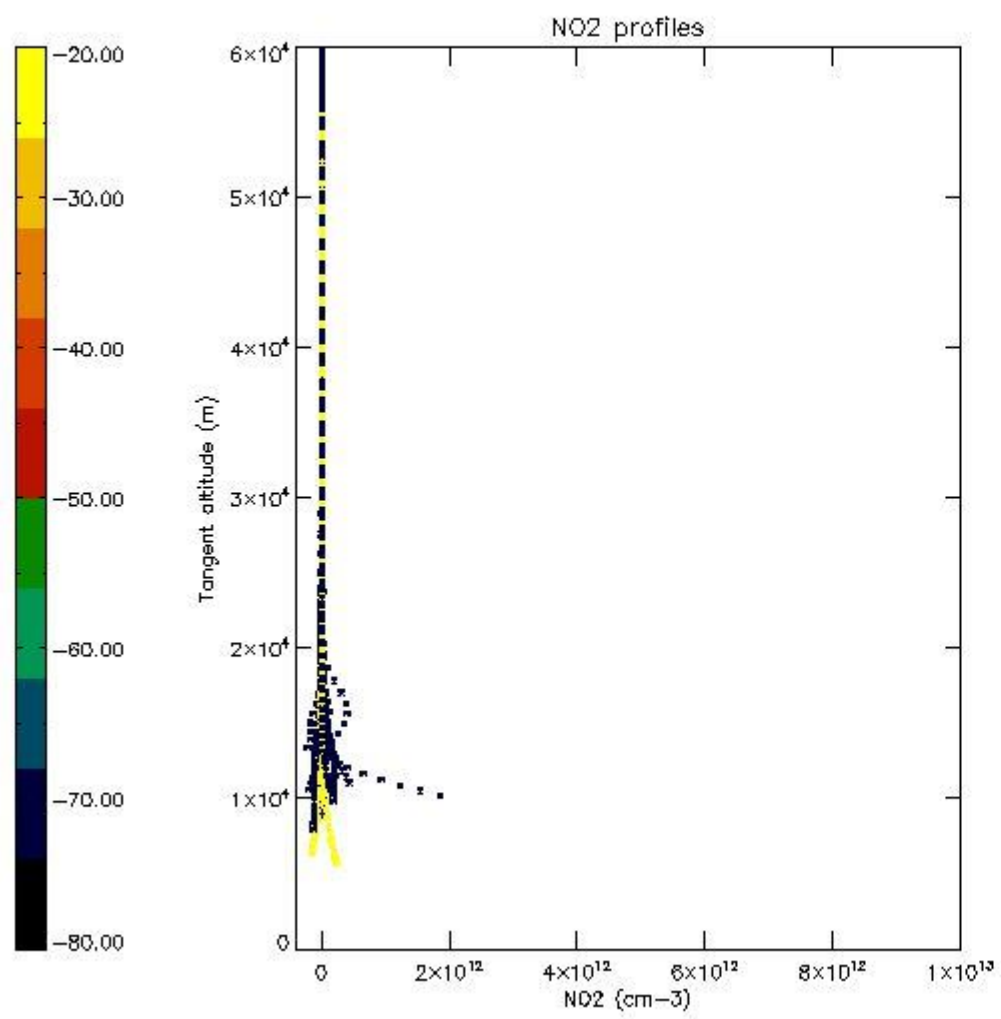
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



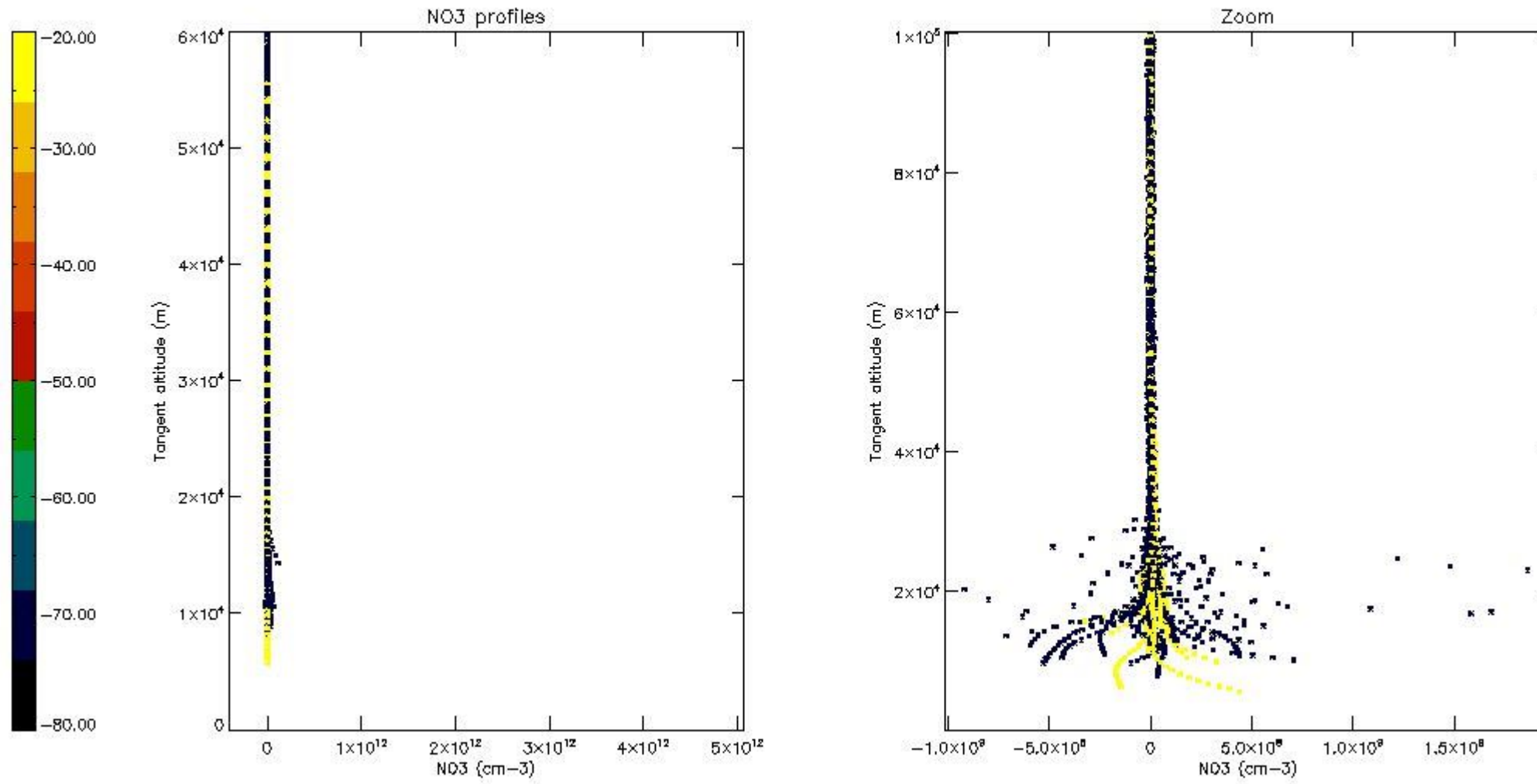
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



5.7 Plot NO3 profiles for all STD (dark without errors)

The colorbar represents the latitude.



6. Auxiliary Data Files used for the production reported in section 2

The number reported in the third column indicates since which file (see list in section 2) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	29-JUN-2007 00:03:09
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	29-JUN-2007 00:03:09
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	29-JUN-2007 00:03:09

GOMOS Level 2 Daily Report

SUMMARY

[1. General Info](#)

[2. Summary of processed GOM_NL_2P products](#)

[3. Level 2 Quality information per product](#)

[3.1 Plot of level 2 quality information per product \(time dependant\)](#)

[3.2 Plot of level 2 quality information per product \(world map\)](#)

[4. Level 1 Quality information per product \(stored on level 2 products\)](#)

[4.1 Plot of level 1 quality information per product \(time dependant\)](#)

[4.1.1 Plot of level 1 quality information per product \(time dependant\): ASCENDING](#)

[4.1.2 Plot of level 1 quality information per product \(time dependant\): DESCENDING](#)

[4.2 Plot of level 1 quality information per product \(world map\)](#)

[4.2.1 Plot of level 1 quality information per product \(world map\): ASCENDING](#)

[4.2.2 Plot of level 1 quality information per product \(world map\): DESCENDING](#)

[5. Ozone profiles based on quality statistics and other trace gas profiles](#)

[5.1 Ozone statistics based on quality of products](#)

[5.2 Plot ozone profiles for all STD \(dark without errors\)](#)

[5.3 Plot ozone profiles where STD < 20% \(dark without errors\)](#)

[5.4. Plot ozone profiles where STD < 10% \(dark without errors\)](#)

[5.5. Plot ozone profiles where STD < 5% \(dark without errors\)](#)

[5.6 Plot NO2 profiles for all STD \(dark without errors\)](#)

[5.7 Plot NO3 profiles for all STD \(dark without errors\)](#)

[5.8 Plot H2O profiles \(only for occultations of stars 1,2,3,4,13,14,16,26,63 dark without errors\) for all STD](#)

[6. Auxiliary Data Files used for the production reported in section 2](#)

This report presents the daily analysis on parameters extracted from GOMOS level 2 data (GOM_NL__2P). It is intended to monitor some important parameters that will impact the quality of these products. A list of level 2 products (and content) that have arrived during the reporting day to the PCF is also given.

Item	Value
Time of report generation	22APR2013 21:16:49
Data source version	GOMOS/6.01
Start time of products	29-06-2007 (29JUN2007 00:00:00)
Stop time of products	30-06-2007 (30JUN2007 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	313
Nb of prods with errors	0

2. Summary of processed GOM_NL__2P products.

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20070629_000309_000000362059_00245_27854_4545.N1	29-JUN-2007 00:03:09	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	27854	No
2	GOM_NL__2PRFIN20070629_001327_000000472059_00245_27854_4546.N1	29-JUN-2007 00:13:27	Bright	47.000	160	23Gam Per	2.9300	4700.0	94	27854	No
3	GOM_NL__2PRFIN20070629_001507_000000322059_00245_27854_4547.N1	29-JUN-2007 00:15:07	Bright	32.000	175	39Del Per	3.0100	19400.	64	27854	No
4	GOM_NL__2PRFIN20070629_001716_000000552059_00245_27854_4548.N1	29-JUN-2007 00:17:16	Bright	54.500	79	26Bet Per	2.3100	13100.	109	27854	No
5	GOM_NL__2PRFIN20070629_002826_000000512059_00245_27854_4549.N1	29-JUN-2007 00:28:26	Dark	50.500	94	92Alp Cet	2.5260	3100.0	101	27854	No
6	GOM_NL__2PRFIN20070629_003215_000000372059_00245_27854_4550.N1	29-JUN-2007 00:32:15	Dark	37.000	165	34Gam Eri	2.9500	3200.0	74	27854	No
7	GOM_NL__2PRFIN20070629_004639_000000392059_00246_27855_4541.N1	29-JUN-2007 00:46:39	Dark	39.000	9	Alp Eri	0.45300	24000.	78	27855	No
8	GOM_NL__2PRFIN20070629_005402_000000412059_00246_27855_4542.N1	29-JUN-2007 00:54:02	Straylight	41.000	148	Alp Tuc	2.8780	4100.0	82	27855	No
9	GOM_NL__2PRFIN20070629_005827_000000402059_00246_27855_4543.N1	29-JUN-2007 00:58:27	Straylight	39.500	45	Alp Pav	1.9400	26000.	79	27855	No
10	GOM_NL__2PRFIN20070629_010355_000000372059_00246_27855_4544.N1	29-JUN-2007 01:03:55	Straylight	37.000	147	Alp Ara	2.8770	26000.	74	27855	No
11	GOM_NL__2PRFIN20070629_010543_000000402059_00246_27855_4545.N1	29-JUN-2007 01:05:43	Twi_and_stray	40.000	40	The Sco	1.8590	7100.0	80	27855	No
12	GOM_NL__2PRFIN20070629_010723_000000392059_00246_27855_4546.N1	29-JUN-2007 01:07:23	Twi_and_stray	39.000	25	35Lam Sco	1.6200	28000.	78	27855	No
13	GOM_NL__2PRFIN20070629_010847_000000462059_00246_27855_4547.N1	29-JUN-2007 01:08:47	Bright	46.000	116	19Del Sgr	2.7000	4100.0	92	27855	No
14	GOM_NL__2PRFIN20070629_011337_000000372059_00246_27855_4548.N1	29-JUN-2007 01:13:37	Bright	36.500	86	35Eta Oph	2.4300	10200.	73	27855	No
15	GOM_NL__2PRFIN20070629_011521_000000362059_00246_27855_4549.N1	29-JUN-2007 01:15:21	Bright	36.000	98	13Zet Oph	2.5710	30000.	72	27855	No
16	GOM_NL__2PRFIN20070629_011922_000000372059_00246_27855_4550.N1	29-JUN-2007 01:19:22	Bright	37.000	126	60Bet Oph	2.7700	4250.0	74	27855	No
17	GOM_NL__2PRFIN20070629_012143_000000382059_00246_27855_4551.N1	29-JUN-2007 01:21:43	Bright	38.000	59	55Alp Oph	2.0800	8900.0	76	27855	No
18	GOM_NL__2PRFIN20070629_012419_000000362059_00246_27855_4552.N1	29-JUN-2007 01:24:19	Bright	36.000	127	27Bet Her	2.7810	4700.0	72	27855	No
19	GOM_NL__2PRFIN20070629_012705_000000362059_00246_27855_4553.N1	29-JUN-2007 01:27:05	Bright	35.500	133	40Zet Her	2.8070	6000.0	71	27855	No
20	GOM_NL__2PRFIN20070629_013314_000000372059_00246_27855_4554.N1	29-JUN-2007 01:33:14	Bright	37.000	130	23Bet Dra	2.7990	5800.0	74	27855	No
21	GOM_NL__2PRFIN20070629_013531_000000362059_00246_27855_4555.N1	29-JUN-2007 01:35:31	Bright	35.500	119	14Eta Dra	2.7270	4700.0	71	27855	No
22	GOM_NL__2PRFIN20070629_013926_000000362059_00246_27855_4556.N1	29-JUN-2007 01:39:26	Bright	36.000	60	7Bet UMi	2.0810	3950.0	72	27855	No
23	GOM_NL__2PRFIN20070629_014345_000000342059_00246_27855_4557.N1	29-JUN-2007 01:43:45	Bright	33.500	49	1Alp UMi	1.9900	6300.0	67	27855	No
24	GOM_NL__2PRFIN20070629_015404_000000482059_00246_27855_4558.N1	29-JUN-2007 01:54:04	Bright	47.500	160	23Gam Per	2.9300	4700.0	95	27855	No
25	GOM_NL__2PRFIN20070629_015543_000000342059_00246_27855_4559.N1	29-JUN-2007 01:55:43	Bright	34.000	175	39Del Per	3.0100	19400.	68	27855	No
26	GOM_NL__2PRFIN20070629_015752_000000452059_00246_27855_4560.N1	29-JUN-2007 01:57:52	Bright	45.000	79	26Bet Per	2.3100	13100.	90	27855	No
27	GOM_NL__2PRFIN20070629_020903_000000442059_00246_27855_4561.N1	29-JUN-2007 02:09:03	Dark	44.000	94	92Alp Cet	2.5260	3100.0	88	27855	No
28	GOM_NL__2PRFIN20070629_021251_000000352059_00246_27855_4562.N1	29-JUN-2007 02:12:51	Dark	34.500	165	34Gam Eri	2.9500	3200.0	69	27855	No
29	GOM_NL__2PRFIN20070629_022715_000000452059_00247_27856_4562.N1	29-JUN-2007 02:27:15	Dark	45.000	9	Alp Eri	0.45300	24000.	90	27856	No
30	GOM_NL__2PRFIN20070629_023439_000000412059_00247_27856_4563.N1	29-JUN-2007 02:34:39	Straylight	41.000	148	Alp Tuc	2.8780	4100.0	82	27856	No
31	GOM_NL__2PRFIN20070629_023904_000000422059_00247_27856_4564.N1	29-JUN-2007 02:39:04	Straylight	42.000	45	Alp Pav	1.9400	26000.	84	27856	No
32	GOM_NL__2PRFIN20070629_024432_000000382059_00247_27856_4565.N1	29-JUN-2007 02:44:32	Straylight	37.500	147	Alp Ara	2.8770	26000.	75	27856	No
33	GOM_NL__2PRFIN20070629_024619_000000422059_00247_27856_4566.N1	29-JUN-2007 02:46:19	Twi_and_stray	41.500	40	The Sco	1.8590	7100.0	83	27856	No
34	GOM_NL__2PRFIN20070629_024759_000000432059_00247_27856_4567.N1	29-JUN-2007 02:47:59	Twi_and_stray	43.000	25	35Lam Sco	1.6200	28000.	86	27856	No
35	GOM_NL__2PRFIN20070629_024923_000000502059_00247_27856_4568.N1	29-JUN-2007 02:49:23	Bright	49.500	116	19Del Sgr	2.7000	4100.0	99	27856	No
36	GOM_NL__2PRFIN20070629_025413_000000372059_00247_27856_4569.N1	29-JUN-2007 02:54:13	Bright	36.500	86	35Eta Oph	2.4300	10200.	73	27856	No
37	GOM_NL__2PRFIN20070629_025558_000000352059_00247_27856_4570.N1	29-JUN-2007 02:55:58	Bright	35.000	98	13Zet Oph	2.5710	30000.	70	27856	No
38	GOM_NL__2PRFIN20070629_025958_000000382059_00247_27856_4571.N1	29-JUN-2007 02:59:58	Bright	37.500	126	60Bet Oph	2.7700	4250.0	75	27856	No
39	GOM_NL__2PRFIN20070629_030219_000000382059_00247_27856_4572.N1	29-JUN-2007 03:02:19	Bright	37.500	59	55Alp Oph	2.0800	8900.0	75	27856	No
40	GOM_NL__2PRFIN20070629_030455_000000362059_00247_27856_4573.N1	29-JUN-2007 03:04:55	Bright	35.500	127	27Bet Her	2.7810	4700.0	71	27856	No
41	GOM_NL__2PRFIN20070629_030742_000000342059_00247_27856_4574.N1	29-JUN-2007 03:07:42	Bright	33.500	133	40Zet Her	2.8070	6000.0	67	27856	No
42	GOM_NL__2PRFIN20070629_031350_000000372059_00247_27856_4575.N1	29-JUN-2007 03:13:50	Bright	37.000	130	23Bet Dra	2.7990	5800.0	74	27856	No

43	GOM_NL__2PRFIN20070629_031607_000000352059_00247_27856_4576.N1	29-JUN-2007 03:16:07	Bright	35.000	119	14Eta Dra	2.7270	4700.0	70	27856	No
44	GOM_NL__2PRFIN20070629_032002_000000342059_00247_27856_4577.N1	29-JUN-2007 03:20:02	Bright	33.500	60	7Bet UMi	2.0810	3950.0	67	27856	No
45	GOM_NL__2PRFIN20070629_032421_000000352059_00247_27856_4578.N1	29-JUN-2007 03:24:21	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	27856	No
46	GOM_NL__2PRFIN20070629_033439_000000362059_00247_27856_4579.N1	29-JUN-2007 03:34:39	Bright	36.000	160	23Gam Per	2.9300	4700.0	72	27856	No
47	GOM_NL__2PRFIN20070629_033619_000000352059_00247_27856_4580.N1	29-JUN-2007 03:36:19	Bright	34.500	175	39Del Per	3.0100	19400.	69	27856	No
48	GOM_NL__2PRFIN20070629_033828_000000382059_00247_27856_4581.N1	29-JUN-2007 03:38:28	Bright	37.500	79	26Bet Per	2.3100	13100.	75	27856	No
49	GOM_NL__2PRFIN20070629_034939_000000422059_00247_27856_4582.N1	29-JUN-2007 03:49:39	Dark	41.500	94	92Alp Cet	2.5260	3100.0	83	27856	No
50	GOM_NL__2PRFIN20070629_035328_000000352059_00247_27856_4583.N1	29-JUN-2007 03:53:28	Dark	34.500	165	34Gam Eri	2.9500	3200.0	69	27856	No
51	GOM_NL__2PRFIN20070629_040752_000000432059_00248_27857_4597.N1	29-JUN-2007 04:07:52	Dark	43.000	9	Alp Eri	0.45300	24000.	86	27857	No
52	GOM_NL__2PRFIN20070629_041515_000000452059_00248_27857_4598.N1	29-JUN-2007 04:15:15	Straylight	44.500	148	Alp Tuc	2.8780	4100.0	89	27857	No
53	GOM_NL__2PRFIN20070629_041941_000000412059_00248_27857_4599.N1	29-JUN-2007 04:19:41	Straylight	40.500	45	Alp Pav	1.9400	26000.	81	27857	No
54	GOM_NL__2PRFIN20070629_042508_000000382059_00248_27857_4600.N1	29-JUN-2007 04:25:08	Straylight	37.500	147	Alp Ara	2.8770	26000.	75	27857	No
55	GOM_NL__2PRFIN20070629_042655_000000402059_00248_27857_4601.N1	29-JUN-2007 04:26:55	Tw_i_and_stray	39.500	40	The Sco	1.8590	7100.0	79	27857	No
56	GOM_NL__2PRFIN20070629_042836_000000412059_00248_27857_4602.N1	29-JUN-2007 04:28:36	Tw_i_and_stray	41.000	25	35Lam Sco	1.6200	28000.	82	27857	No
57	GOM_NL__2PRFIN20070629_042959_000000562059_00248_27857_4603.N1	29-JUN-2007 04:29:59	Bright	56.000	116	19Del Sgr	2.7000	4100.0	112	27857	No
58	GOM_NL__2PRFIN20070629_043449_000000372059_00248_27857_4604.N1	29-JUN-2007 04:34:49	Bright	37.000	86	35Eta Oph	2.4300	10200.	74	27857	No
59	GOM_NL__2PRFIN20070629_043634_000000352059_00248_27857_4605.N1	29-JUN-2007 04:36:34	Bright	35.000	98	13Zet Oph	2.5710	30000.	70	27857	No
60	GOM_NL__2PRFIN20070629_044034_000000382059_00248_27857_4606.N1	29-JUN-2007 04:40:34	Bright	38.000	126	60Bet Oph	2.7700	4250.0	76	27857	No
61	GOM_NL__2PRFIN20070629_044255_000000392059_00248_27857_4607.N1	29-JUN-2007 04:42:55	Bright	39.000	59	55Alp Oph	2.0800	8900.0	78	27857	No
62	GOM_NL__2PRFIN20070629_044531_000000362059_00248_27857_4608.N1	29-JUN-2007 04:45:31	Bright	36.000	127	27Bet Her	2.7810	4700.0	72	27857	No
63	GOM_NL__2PRFIN20070629_044818_000000352059_00248_27857_4609.N1	29-JUN-2007 04:48:18	Bright	35.000	133	40Zet Her	2.8070	6000.0	70	27857	No
64	GOM_NL__2PRFIN20070629_045426_000000352059_00248_27857_4610.N1	29-JUN-2007 04:54:26	Bright	35.000	130	23Bet Dra	2.7990	5800.0	70	27857	No
65	GOM_NL__2PRFIN20070629_045643_000000352059_00248_27857_4611.N1	29-JUN-2007 04:56:43	Bright	35.000	119	14Eta Dra	2.7270	4700.0	70	27857	No
66	GOM_NL__2PRFIN20070629_050038_000000322059_00248_27857_4612.N1	29-JUN-2007 05:00:38	Bright	32.000	60	7Bet UMi	2.0810	3950.0	64	27857	No
67	GOM_NL__2PRFIN20070629_050457_000000352059_00248_27857_4613.N1	29-JUN-2007 05:04:57	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	27857	No
68	GOM_NL__2PRFIN20070629_051515_000000552059_00248_27857_4614.N1	29-JUN-2007 05:15:15	Bright	55.000	160	23Gam Per	2.9300	4700.0	110	27857	No
69	GOM_NL__2PRFIN20070629_051656_000000362059_00248_27857_4615.N1	29-JUN-2007 05:16:56	Bright	36.000	175	39Del Per	3.0100	19400.	72	27857	No
70	GOM_NL__2PRFIN20070629_051904_000000472059_00248_27857_4616.N1	29-JUN-2007 05:19:04	Bright	47.000	79	26Bet Per	2.3100	13100.	94	27857	No
71	GOM_NL__2PRFIN20070629_053016_000000382059_00248_27857_4617.N1	29-JUN-2007 05:30:16	Dark	37.500	94	92Alp Cet	2.5260	3100.0	75	27857	No
72	GOM_NL__2PRFIN20070629_053404_000000352059_00248_27857_4618.N1	29-JUN-2007 05:34:04	Dark	35.000	165	34Gam Eri	2.9500	3200.0	70	27857	No
73	GOM_NL__2PRFIN20070629_054828_000000432059_00249_27858_4616.N1	29-JUN-2007 05:48:28	Dark	42.500	9	Alp Eri	0.45300	24000.	85	27858	No
74	GOM_NL__2PRFIN20070629_055552_000000422059_00249_27858_4617.N1	29-JUN-2007 05:55:52	Straylight	42.000	148	Alp Tuc	2.8780	4100.0	84	27858	No
75	GOM_NL__2PRFIN20070629_060017_000000412059_00249_27858_4618.N1	29-JUN-2007 06:00:17	Straylight	40.500	45	Alp Pav	1.9400	26000.	81	27858	No
76	GOM_NL__2PRFIN20070629_060544_000000362059_00249_27858_4619.N1	29-JUN-2007 06:05:44	Straylight	36.000	147	Alp Ara	2.8770	26000.	72	27858	No
77	GOM_NL__2PRFIN20070629_060732_000000422059_00249_27858_4620.N1	29-JUN-2007 06:07:32	Tw_i_and_stray	42.000	40	The Sco	1.8590	7100.0	84	27858	No
78	GOM_NL__2PRFIN20070629_060912_000000432059_00249_27858_4621.N1	29-JUN-2007 06:09:12	Tw_i_and_stray	43.000	25	35Lam Sco	1.6200	28000.	86	27858	No
79	GOM_NL__2PRFIN20070629_061035_000000412059_00249_27858_4622.N1	29-JUN-2007 06:10:35	Bright	41.000	116	19Del Sgr	2.7000	4100.0	82	27858	No
80	GOM_NL__2PRFIN20070629_061526_000000372059_00249_27858_4623.N1	29-JUN-2007 06:15:26	Bright	37.000	86	35Eta Oph	2.4300	10200.	74	27858	No
81	GOM_NL__2PRFIN20070629_061710_000000362059_00249_27858_4624.N1	29-JUN-2007 06:17:10	Bright	36.000	98	13Zet Oph	2.5710	30000.	72	27858	No
82	GOM_NL__2PRFIN20070629_062110_000000372059_00249_27858_4625.N1	29-JUN-2007 06:21:10	Bright	37.000	126	60Bet Oph	2.7700	4250.0	74	27858	No
83	GOM_NL__2PRFIN20070629_062331_000000382059_00249_27858_4626.N1	29-JUN-2007 06:23:31	Bright	37.500	59	55Alp Oph	2.0800	8900.0	75	27858	No
84	GOM_NL__2PRFIN20070629_062607_000000372059_00249_27858_4627.N1	29-JUN-2007 06:26:07	Bright	36.500	127	27Bet Her	2.7810	4700.0	73	27858	No
85	GOM_NL__2PRFIN20070629_062854_000000372059_00249_27858_4628.N1	29-JUN-2007 06:28:54	Bright	36.500	133	40Zet Her	2.8070	6000.0	73	27858	No
86	GOM_NL__2PRFIN20070629_063502_000000372059_00249_27858_4629.N1	29-JUN-2007 06:35:02	Bright	37.000	130	23Bet Dra	2.7990	5800.0	74	27858	No
87	GOM_NL__2PRFIN20070629_063719_000000362059_00249_27858_4630.N1	29-JUN-2007 06:37:19	Bright	36.000	119	14Eta Dra	2.7270	4700.0	72	27858	No
88	GOM_NL__2PRFIN20070629_064115_000000362059_00249_27858_4631.N1	29-JUN-2007 06:41:15	Bright	36.000	60	7Bet UMi	2.0810	3950.0	72	27858	No
89	GOM_NL__2PRFIN20070629_064533_000000362059_00249_27858_4632.N1	29-JUN-2007 06:45:33	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	27858	No
90	GOM_NL__2PRFIN20070629_065552_000000342059_00249_27858_4633.N1	29-JUN-2007 06:55:52	Bright	34.000	160	23Gam Per	2.9300	4700.0	68	27858	No
91	GOM_NL__2PRFIN20070629_065732_000000322059_00249_27858_4634.N1	29-JUN-2007 06:57:32	Bright	32.000	175	39Del Per	3.0100	19400.	64	27858	No
92	GOM_NL__2PRFIN20070629_065941_000000362059_00249_27858_4635.N1	29-JUN-2007 06:59:41	Bright	35.500	79	26Bet Per	2.3100	13100.	71	27858	No
93	GOM_NL__2PRFIN20070629_071052_000000382059_00249_27858_4636.N1	29-JUN-2007 07:10:52	Dark	37.500	94	92Alp Cet	2.5260	3100.0	75	27858	No
94	GOM_NL__2PRFIN20070629_071440_000000422059_00249_27858_4637.N1	29-JUN-2007 07:14:40	Dark	42.000	165	34Gam Eri	2.9500	3200.0	84	27858	No
95	GOM_NL__2PRFIN20070629_072905_000000462059_00250_27859_4629.N1	29-JUN-2007 07:29:05	Dark	45.500	9	Alp Eri	0.45300	24000.	91	27859	No
96	GOM_NL__2PRFIN20070629_073628_000000402059_00250_27859_4630.N1	29-JUN-2007 07:36:28	Straylight	39.500	148	Alp Tuc	2.8780	4100.0	79	27859	No
97	GOM_NL__2PRFIN20070629_074054_000000402059_00250_27859_4631.N1	29-JUN-2007 07:40:54	Straylight	40.000	45	Alp Pav	1.9400	26000.	80	27859	No
98	GOM_NL__2PRFIN20070629_074620_000000392059_00250_27859_4632.N1	29-JUN-2007 07:46:20	Straylight	39.000	147	Alp Ara	2.8770	26000.	78	27859	No
99	GOM_NL__2PRFIN20070629_074808_000000442059_00250_27859_4633.N1	29-JUN-2007 07:48:08	Tw_i_and_stray	43.500	40	The Sco	1.8590	7100.0	87	27859	No
100	GOM_NL__2PRFIN20070629_074948_000000422059_00250_27859_4634.N1	29-JUN-2007 07:49:48	Tw_i_and_stray	42.000	25	35Lam Sco	1.6200	28000.	84	27859	No
101	GOM_NL__2PRFIN20070629_075112_000000422059_00250_27859_4635.N1	29-JUN-2007 07:51:12	Bright	42.000	116	19Del Sgr	2.7000	4100.0	84	27859	No

102	GOM_NL__2PRFIN20070629_075602_000000372059_00250_27859_4636.N1	29-JUN-2007 07:56:02	Bright	37.000	86	35Eta Oph	2.4300	10200.	74	27859	No
103	GOM_NL__2PRFIN20070629_075746_000000362059_00250_27859_4637.N1	29-JUN-2007 07:57:46	Bright	36.000	98	13Zet Oph	2.5710	30000.	72	27859	No
104	GOM_NL__2PRFIN20070629_080146_000000372059_00250_27859_4638.N1	29-JUN-2007 08:01:46	Bright	37.000	126	60Bet Oph	2.7700	4250.0	74	27859	No
105	GOM_NL__2PRFIN20070629_080407_000000382059_00250_27859_4639.N1	29-JUN-2007 08:04:07	Bright	37.500	59	55Alp Oph	2.0800	8900.0	75	27859	No
106	GOM_NL__2PRFIN20070629_080643_000000372059_00250_27859_4640.N1	29-JUN-2007 08:06:43	Bright	36.500	127	27Bet Her	2.7810	4700.0	73	27859	No
107	GOM_NL__2PRFIN20070629_080930_000000352059_00250_27859_4641.N1	29-JUN-2007 08:09:30	Bright	35.000	133	40Zet Her	2.8070	6000.0	70	27859	No
108	GOM_NL__2PRFIN20070629_081538_000000382059_00250_27859_4642.N1	29-JUN-2007 08:15:38	Bright	37.500	130	23Bet Dra	2.7990	5800.0	75	27859	No
109	GOM_NL__2PRFIN20070629_081755_000000362059_00250_27859_4643.N1	29-JUN-2007 08:17:55	Bright	36.000	119	14Eta Dra	2.7270	4700.0	72	27859	No
110	GOM_NL__2PRFIN20070629_082151_000000352059_00250_27859_4644.N1	29-JUN-2007 08:21:51	Bright	34.500	60	7Bet UMi	2.0810	3950.0	69	27859	No
111	GOM_NL__2PRFIN20070629_082609_000000332059_00250_27859_4645.N1	29-JUN-2007 08:26:09	Bright	33.000	49	1Alp UMi	1.9900	6300.0	66	27859	No
112	GOM_NL__2PRFIN20070629_083628_000000552059_00250_27859_4646.N1	29-JUN-2007 08:36:28	Bright	55.000	160	23Gam Per	2.9300	4700.0	110	27859	No
113	GOM_NL__2PRFIN20070629_083808_000000332059_00250_27859_4647.N1	29-JUN-2007 08:38:08	Bright	32.500	175	39Del Per	3.0100	19400.	65	27859	No
114	GOM_NL__2PRFIN20070629_084016_000000422059_00250_27859_4648.N1	29-JUN-2007 08:40:16	Bright	41.500	79	26Bet Per	2.3100	13100.	83	27859	No
115	GOM_NL__2PRFIN20070629_085128_000000482059_00250_27859_4649.N1	29-JUN-2007 08:51:28	Dark	48.000	94	92Alp Cet	2.5260	3100.0	96	27859	No
116	GOM_NL__2PRFIN20070629_085516_000000402059_00250_27859_4650.N1	29-JUN-2007 08:55:16	Dark	40.000	165	34Gam Eri	2.9500	3200.0	80	27859	No
117	GOM_NL__2PRFIN20070629_090941_000000432059_00251_27860_4670.N1	29-JUN-2007 09:09:41	Dark	42.500	9	Alp Eri	0.45300	24000.	85	27860	No
118	GOM_NL__2PRFIN20070629_091705_000000412059_00251_27860_4671.N1	29-JUN-2007 09:17:05	Straylight	41.000	148	Alp Tuc	2.8780	4100.0	82	27860	No
119	GOM_NL__2PRFIN20070629_092130_000000422059_00251_27860_4672.N1	29-JUN-2007 09:21:30	Straylight	42.000	45	Alp Pav	1.9400	26000.	84	27860	No
120	GOM_NL__2PRFIN20070629_092656_000000392059_00251_27860_4673.N1	29-JUN-2007 09:26:56	Straylight	38.500	147	Alp Ara	2.8770	26000.	77	27860	No
121	GOM_NL__2PRFIN20070629_092844_000000402059_00251_27860_4674.N1	29-JUN-2007 09:28:44	Twi_and_stray	40.000	40	The Sco	1.8590	7100.0	80	27860	No
122	GOM_NL__2PRFIN20070629_093024_000000402059_00251_27860_4675.N1	29-JUN-2007 09:30:24	Twi_and_stray	40.000	25	35Lam Sco	1.6200	28000.	80	27860	No
123	GOM_NL__2PRFIN20070629_093148_000000562059_00251_27860_4676.N1	29-JUN-2007 09:31:48	Bright	56.000	116	19Del Sgr	2.7000	4100.0	112	27860	No
124	GOM_NL__2PRFIN20070629_093638_000000372059_00251_27860_4677.N1	29-JUN-2007 09:36:38	Bright	36.500	86	35Eta Oph	2.4300	10200.	73	27860	No
125	GOM_NL__2PRFIN20070629_093822_000000362059_00251_27860_4678.N1	29-JUN-2007 09:38:22	Bright	36.000	98	13Zet Oph	2.5710	30000.	72	27860	No
126	GOM_NL__2PRFIN20070629_094222_000000372059_00251_27860_4679.N1	29-JUN-2007 09:42:22	Bright	37.000	126	60Bet Oph	2.7700	4250.0	74	27860	No
127	GOM_NL__2PRFIN20070629_094443_000000372059_00251_27860_4680.N1	29-JUN-2007 09:44:43	Bright	37.000	59	55Alp Oph	2.0800	8900.0	74	27860	No
128	GOM_NL__2PRFIN20070629_094719_000000352059_00251_27860_4681.N1	29-JUN-2007 09:47:19	Bright	35.000	127	27Bet Her	2.7810	4700.0	70	27860	No
129	GOM_NL__2PRFIN20070629_095006_000000352059_00251_27860_4682.N1	29-JUN-2007 09:50:06	Bright	34.500	133	40Zet Her	2.8070	6000.0	69	27860	No
130	GOM_NL__2PRFIN20070629_095613_000000372059_00251_27860_4683.N1	29-JUN-2007 09:56:13	Bright	37.000	130	23Bet Dra	2.7990	5800.0	74	27860	No
131	GOM_NL__2PRFIN20070629_095831_000000362059_00251_27860_4684.N1	29-JUN-2007 09:58:31	Bright	35.500	119	14Eta Dra	2.7270	4700.0	71	27860	No
132	GOM_NL__2PRFIN20070629_100227_000000372059_00251_27860_4685.N1	29-JUN-2007 10:02:27	Bright	37.000	60	7Bet UMi	2.0810	3950.0	74	27860	No
133	GOM_NL__2PRFIN20070629_100645_000000362059_00251_27860_4686.N1	29-JUN-2007 10:06:45	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	27860	No
134	GOM_NL__2PRFIN20070629_101703_000000552059_00251_27860_4687.N1	29-JUN-2007 10:17:03	Bright	55.000	160	23Gam Per	2.9300	4700.0	110	27860	No
135	GOM_NL__2PRFIN20070629_101844_000000342059_00251_27860_4688.N1	29-JUN-2007 10:18:44	Bright	34.000	175	39Del Per	3.0100	19400.	68	27860	No
136	GOM_NL__2PRFIN20070629_102052_000000382059_00251_27860_4689.N1	29-JUN-2007 10:20:52	Bright	37.500	79	26Bet Per	2.3100	13100.	75	27860	No
137	GOM_NL__2PRFIN20070629_103205_000000462059_00251_27860_4690.N1	29-JUN-2007 10:32:05	Dark	45.500	94	92Alp Cet	2.5260	3100.0	91	27860	No
138	GOM_NL__2PRFIN20070629_103552_000000412059_00251_27860_4691.N1	29-JUN-2007 10:35:52	Dark	41.000	165	34Gam Eri	2.9500	3200.0	82	27860	No
139	GOM_NL__2PRFIN20070629_105017_000000452059_00252_27861_4722.N1	29-JUN-2007 10:50:17	Dark	44.500	9	Alp Eri	0.45300	24000.	89	27861	No
140	GOM_NL__2PRFIN20070629_105741_000000402059_00252_27861_4723.N1	29-JUN-2007 10:57:41	Straylight	40.000	148	Alp Tuc	2.8780	4100.0	80	27861	No
141	GOM_NL__2PRFIN20070629_110206_000000442059_00252_27861_4724.N1	29-JUN-2007 11:02:06	Straylight	43.500	45	Alp Pav	1.9400	26000.	87	27861	No
142	GOM_NL__2PRFIN20070629_110732_000000372059_00252_27861_4725.N1	29-JUN-2007 11:07:32	Straylight	37.000	147	Alp Ara	2.8770	26000.	74	27861	No
143	GOM_NL__2PRFIN20070629_110920_000000392059_00252_27861_4726.N1	29-JUN-2007 11:09:20	Twi_and_stray	39.000	40	The Sco	1.8590	7100.0	78	27861	No
144	GOM_NL__2PRFIN20070629_111100_000000402059_00252_27861_4727.N1	29-JUN-2007 11:11:00	Twi_and_stray	39.500	25	35Lam Sco	1.6200	28000.	79	27861	No
145	GOM_NL__2PRFIN20070629_111224_000000482059_00252_27861_4728.N1	29-JUN-2007 11:12:24	Bright	47.500	116	19Del Sgr	2.7000	4100.0	95	27861	No
146	GOM_NL__2PRFIN20070629_111714_000000362059_00252_27861_4729.N1	29-JUN-2007 11:17:14	Bright	35.500	86	35Eta Oph	2.4300	10200.	71	27861	No
147	GOM_NL__2PRFIN20070629_111858_000000362059_00252_27861_4730.N1	29-JUN-2007 11:18:58	Bright	36.000	98	13Zet Oph	2.5710	30000.	72	27861	No
148	GOM_NL__2PRFIN20070629_112258_000000372059_00252_27861_4731.N1	29-JUN-2007 11:22:58	Bright	37.000	126	60Bet Oph	2.7700	4250.0	74	27861	No
149	GOM_NL__2PRFIN20070629_112519_000000372059_00252_27861_4732.N1	29-JUN-2007 11:25:19	Bright	36.500	59	55Alp Oph	2.0800	8900.0	73	27861	No
150	GOM_NL__2PRFIN20070629_112755_000000362059_00252_27861_4733.N1	29-JUN-2007 11:27:55	Bright	36.000	127	27Bet Her	2.7810	4700.0	72	27861	No
151	GOM_NL__2PRFIN20070629_113041_000000362059_00252_27861_4734.N1	29-JUN-2007 11:30:41	Bright	35.500	133	40Zet Her	2.8070	6000.0	71	27861	No
152	GOM_NL__2PRFIN20070629_113649_000000382059_00252_27861_4735.N1	29-JUN-2007 11:36:49	Bright	38.000	130	23Bet Dra	2.7990	5800.0	76	27861	No
153	GOM_NL__2PRFIN20070629_113907_000000372059_00252_27861_4736.N1	29-JUN-2007 11:39:07	Bright	36.500	119	14Eta Dra	2.7270	4700.0	73	27861	No
154	GOM_NL__2PRFIN20070629_114303_000000372059_00252_27861_4737.N1	29-JUN-2007 11:43:03	Bright	36.500	60	7Bet UMi	2.0810	3950.0	73	27861	No
155	GOM_NL__2PRFIN20070629_114720_000000362059_00252_27861_4738.N1	29-JUN-2007 11:47:20	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	27861	No
156	GOM_NL__2PRFIN20070629_115739_000000362059_00252_27861_4739.N1	29-JUN-2007 11:57:39	Bright	35.500	160	23Gam Per	2.9300	4700.0	71	27861	No
157	GOM_NL__2PRFIN20070629_115919_000000482059_00252_27861_4740.N1	29-JUN-2007 11:59:19	Bright	47.500	175	39Del Per	3.0100	19400.	95	27861	No
158	GOM_NL__2PRFIN20070629_120128_000000382059_00252_27861_4741.N1	29-JUN-2007 12:01:28	Bright	38.000	79	26Bet Per	2.3100	13100.	76	27861	No
159	GOM_NL__2PRFIN20070629_121241_000000462059_00252_27861_4742.N1	29-JUN-2007 12:12:41	Dark	45.500	94	92Alp Cet	2.5260	3100.0	91	27861	No
160	GOM_NL__2PRFIN20070629_121629_000000442059_00252_27861_4743.N1	29-JUN-2007 12:16:29	Dark	43.500	165	34Gam Eri	2.9500	3200.0	87	27861	No

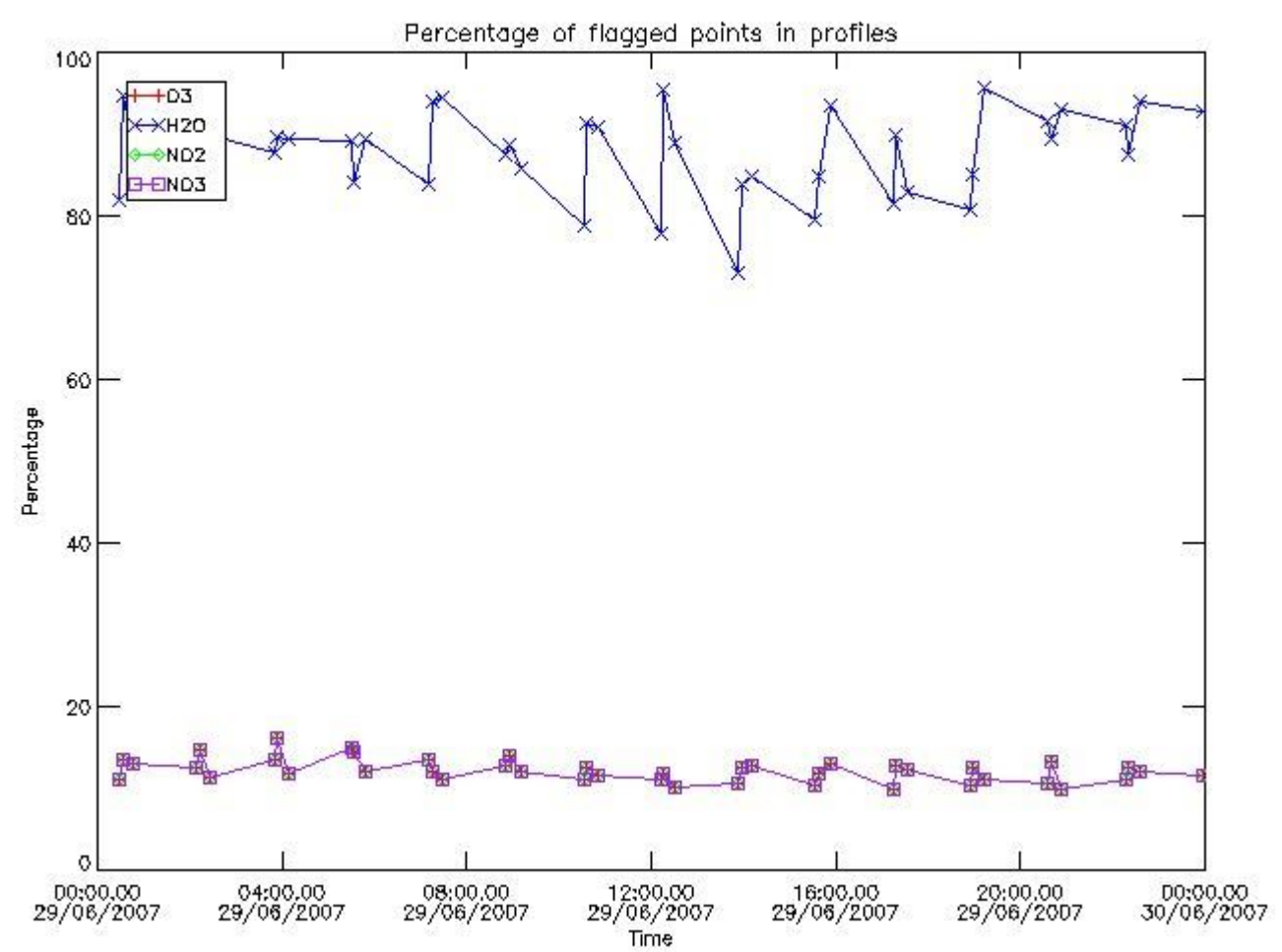
161	GOM_NL__2PRFIN20070629_123054_000000502059_00253_27862_4785.N1	29-JUN-2007 12:30:54	Dark	50.000	9	Alp Eri	0.45300	24000.	100	27862	No
162	GOM_NL__2PRFIN20070629_123818_000000422059_00253_27862_4786.N1	29-JUN-2007 12:38:18	Straylight	41.500	148	Alp Tuc	2.8780	4100.0	83	27862	No
163	GOM_NL__2PRFIN20070629_124243_000000412059_00253_27862_4787.N1	29-JUN-2007 12:42:43	Straylight	40.500	45	Alp Pav	1.9400	26000.	81	27862	No
164	GOM_NL__2PRFIN20070629_124809_000000372059_00253_27862_4788.N1	29-JUN-2007 12:48:09	Straylight	37.000	147	Alp Ara	2.8770	26000.	74	27862	No
165	GOM_NL__2PRFIN20070629_124956_000000422059_00253_27862_4789.N1	29-JUN-2007 12:49:56	Tw_i_and_stray	42.000	40	The Sco	1.8590	7100.0	84	27862	No
166	GOM_NL__2PRFIN20070629_125136_000000422059_00253_27862_4790.N1	29-JUN-2007 12:51:36	Tw_i_and_stray	41.500	25	35Lam Sco	1.6200	28000.	83	27862	No
167	GOM_NL__2PRFIN20070629_125300_000000562059_00253_27862_4791.N1	29-JUN-2007 12:53:00	Bright	55.500	116	19Del Sgr	2.7000	4100.0	111	27862	No
168	GOM_NL__2PRFIN20070629_125750_000000372059_00253_27862_4792.N1	29-JUN-2007 12:57:50	Bright	36.500	86	35Eta Oph	2.4300	10200.	73	27862	No
169	GOM_NL__2PRFIN20070629_125934_000000362059_00253_27862_4793.N1	29-JUN-2007 12:59:34	Bright	36.000	98	13Zet Oph	2.5710	30000.	72	27862	No
170	GOM_NL__2PRFIN20070629_130334_000000372059_00253_27862_4794.N1	29-JUN-2007 13:03:34	Bright	36.500	126	60Bet Oph	2.7700	4250.0	73	27862	No
171	GOM_NL__2PRFIN20070629_130554_000000362059_00253_27862_4795.N1	29-JUN-2007 13:05:54	Bright	36.000	59	55Alp Oph	2.0800	8900.0	72	27862	No
172	GOM_NL__2PRFIN20070629_130831_000000362059_00253_27862_4796.N1	29-JUN-2007 13:08:31	Bright	36.000	127	27Bet Her	2.7810	4700.0	72	27862	No
173	GOM_NL__2PRFIN20070629_131117_000000362059_00253_27862_4797.N1	29-JUN-2007 13:11:17	Bright	35.500	133	40Zet Her	2.8070	6000.0	71	27862	No
174	GOM_NL__2PRFIN20070629_131725_000000382059_00253_27862_4798.N1	29-JUN-2007 13:17:25	Bright	38.000	130	23Bet Dra	2.7990	5800.0	76	27862	No
175	GOM_NL__2PRFIN20070629_131942_000000372059_00253_27862_4799.N1	29-JUN-2007 13:19:42	Bright	36.500	119	14Eta Dra	2.7270	4700.0	73	27862	No
176	GOM_NL__2PRFIN20070629_132339_000000342059_00253_27862_4800.N1	29-JUN-2007 13:23:39	Bright	34.000	60	7Bet UMi	2.0810	3950.0	68	27862	No
177	GOM_NL__2PRFIN20070629_132756_000000362059_00253_27862_4801.N1	29-JUN-2007 13:27:56	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	27862	No
178	GOM_NL__2PRFIN20070629_133815_000000392059_00253_27862_4802.N1	29-JUN-2007 13:38:15	Bright	38.500	160	23Gam Per	2.9300	4700.0	77	27862	No
179	GOM_NL__2PRFIN20070629_133955_000000382059_00253_27862_4803.N1	29-JUN-2007 13:39:55	Bright	38.000	175	39Del Per	3.0100	19400.	76	27862	No
180	GOM_NL__2PRFIN20070629_134205_000000382059_00253_27862_4804.N1	29-JUN-2007 13:42:05	Bright	38.000	79	26Bet Per	2.3100	13100.	76	27862	No
181	GOM_NL__2PRFIN20070629_135317_000000492059_00253_27862_4805.N1	29-JUN-2007 13:53:17	Dark	48.500	94	92Alp Cet	2.5260	3100.0	97	27862	No
182	GOM_NL__2PRFIN20070629_135705_000000412059_00253_27862_4806.N1	29-JUN-2007 13:57:05	Dark	41.000	165	34Gam Eri	2.9500	3200.0	82	27862	No
183	GOM_NL__2PRFIN20070629_141130_000000402059_00254_27863_4859.N1	29-JUN-2007 14:11:30	Dark	40.000	9	Alp Eri	0.45300	24000.	80	27863	No
184	GOM_NL__2PRFIN20070629_141854_000000432059_00254_27863_4860.N1	29-JUN-2007 14:18:54	Straylight	42.500	148	Alp Tuc	2.8780	4100.0	85	27863	No
185	GOM_NL__2PRFIN20070629_142319_000000412059_00254_27863_4861.N1	29-JUN-2007 14:23:19	Straylight	40.500	45	Alp Pav	1.9400	26000.	81	27863	No
186	GOM_NL__2PRFIN20070629_142845_000000362059_00254_27863_4862.N1	29-JUN-2007 14:28:45	Straylight	36.000	147	Alp Ara	2.8770	26000.	72	27863	No
187	GOM_NL__2PRFIN20070629_143032_000000432059_00254_27863_4863.N1	29-JUN-2007 14:30:32	Tw_i_and_stray	43.000	40	The Sco	1.8590	7100.0	86	27863	No
188	GOM_NL__2PRFIN20070629_143212_000000422059_00254_27863_4864.N1	29-JUN-2007 14:32:12	Tw_i_and_stray	42.000	25	35Lam Sco	1.6200	28000.	84	27863	No
189	GOM_NL__2PRFIN20070629_143336_000000442059_00254_27863_4865.N1	29-JUN-2007 14:33:36	Bright	44.000	116	19Del Sgr	2.7000	4100.0	88	27863	No
190	GOM_NL__2PRFIN20070629_143826_000000362059_00254_27863_4866.N1	29-JUN-2007 14:38:26	Bright	35.500	86	35Eta Oph	2.4300	10200.	71	27863	No
191	GOM_NL__2PRFIN20070629_144011_000000362059_00254_27863_4867.N1	29-JUN-2007 14:40:11	Bright	36.000	98	13Zet Oph	2.5710	30000.	72	27863	No
192	GOM_NL__2PRFIN20070629_144410_000000382059_00254_27863_4868.N1	29-JUN-2007 14:44:10	Bright	37.500	126	60Bet Oph	2.7700	4250.0	75	27863	No
193	GOM_NL__2PRFIN20070629_144630_000000382059_00254_27863_4869.N1	29-JUN-2007 14:46:30	Bright	37.500	59	55Alp Oph	2.0800	8900.0	75	27863	No
194	GOM_NL__2PRFIN20070629_144907_000000372059_00254_27863_4870.N1	29-JUN-2007 14:49:07	Bright	37.000	127	27Bet Her	2.7810	4700.0	74	27863	No
195	GOM_NL__2PRFIN20070629_145153_000000342059_00254_27863_4871.N1	29-JUN-2007 14:51:53	Bright	34.000	133	40Zet Her	2.8070	6000.0	68	27863	No
196	GOM_NL__2PRFIN20070629_145800_000000382059_00254_27863_4872.N1	29-JUN-2007 14:58:00	Bright	38.000	130	23Bet Dra	2.7990	5800.0	76	27863	No
197	GOM_NL__2PRFIN20070629_150018_000000352059_00254_27863_4873.N1	29-JUN-2007 15:00:18	Bright	35.000	119	14Eta Dra	2.7270	4700.0	70	27863	No
198	GOM_NL__2PRFIN20070629_150415_000000352059_00254_27863_4874.N1	29-JUN-2007 15:04:15	Bright	34.500	60	7Bet UMi	2.0810	3950.0	69	27863	No
199	GOM_NL__2PRFIN20070629_150832_000000362059_00254_27863_4875.N1	29-JUN-2007 15:08:32	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	27863	No
200	GOM_NL__2PRFIN20070629_151851_000000442059_00254_27863_4876.N1	29-JUN-2007 15:18:51	Bright	44.000	160	23Gam Per	2.9300	4700.0	88	27863	No
201	GOM_NL__2PRFIN20070629_152031_000000332059_00254_27863_4877.N1	29-JUN-2007 15:20:31	Bright	33.000	175	39Del Per	3.0100	19400.	66	27863	No
202	GOM_NL__2PRFIN20070629_152241_000000492059_00254_27863_4878.N1	29-JUN-2007 15:22:41	Bright	49.000	79	26Bet Per	2.3100	13100.	98	27863	No
203	GOM_NL__2PRFIN20070629_153354_000000492059_00254_27863_4879.N1	29-JUN-2007 15:33:54	Dark	49.000	94	92Alp Cet	2.5260	3100.0	98	27863	No
204	GOM_NL__2PRFIN20070629_153741_000000442059_00254_27863_4880.N1	29-JUN-2007 15:37:41	Dark	43.500	165	34Gam Eri	2.9500	3200.0	87	27863	No
205	GOM_NL__2PRFIN20070629_155206_000000402059_00255_27864_4872.N1	29-JUN-2007 15:52:06	Dark	39.500	9	Alp Eri	0.45300	24000.	79	27864	No
206	GOM_NL__2PRFIN20070629_155931_000000422059_00255_27864_4873.N1	29-JUN-2007 15:59:31	Straylight	42.000	148	Alp Tuc	2.8780	4100.0	84	27864	No
207	GOM_NL__2PRFIN20070629_160356_000000412059_00255_27864_4874.N1	29-JUN-2007 16:03:56	Straylight	40.500	45	Alp Pav	1.9400	26000.	81	27864	No
208	GOM_NL__2PRFIN20070629_160921_000000372059_00255_27864_4875.N1	29-JUN-2007 16:09:21	Straylight	37.000	147	Alp Ara	2.8770	26000.	74	27864	No
209	GOM_NL__2PRFIN20070629_161108_000000432059_00255_27864_4876.N1	29-JUN-2007 16:11:08	Tw_i_and_stray	43.000	40	The Sco	1.8590	7100.0	86	27864	No
210	GOM_NL__2PRFIN20070629_161248_000000432059_00255_27864_4877.N1	29-JUN-2007 16:12:48	Tw_i_and_stray	43.000	25	35Lam Sco	1.6200	28000.	86	27864	No
211	GOM_NL__2PRFIN20070629_161412_000000542059_00255_27864_4878.N1	29-JUN-2007 16:14:12	Bright	53.500	116	19Del Sgr	2.7000	4100.0	107	27864	No
212	GOM_NL__2PRFIN20070629_161902_000000372059_00255_27864_4879.N1	29-JUN-2007 16:19:02	Bright	37.000	86	35Eta Oph	2.4300	10200.	74	27864	No
213	GOM_NL__2PRFIN20070629_162047_000000372059_00255_27864_4880.N1	29-JUN-2007 16:20:47	Bright	36.500	98	13Zet Oph	2.5710	30000.	73	27864	No
214	GOM_NL__2PRFIN20070629_162446_000000382059_00255_27864_4881.N1	29-JUN-2007 16:24:46	Bright	37.500	126	60Bet Oph	2.7700	4250.0	75	27864	No
215	GOM_NL__2PRFIN20070629_162706_000000392059_00255_27864_4882.N1	29-JUN-2007 16:27:06	Bright	38.500	59	55Alp Oph	2.0800	8900.0	77	27864	No
216	GOM_NL__2PRFIN20070629_162943_000000362059_00255_27864_4883.N1	29-JUN-2007 16:29:43	Bright	36.000	127	27Bet Her	2.7810	4700.0	72	27864	No
217	GOM_NL__2PRFIN20070629_163229_000000362059_00255_27864_4884.N1	29-JUN-2007 16:32:29	Bright	36.000	133	40Zet Her	2.8070	6000.0	72	27864	No
218	GOM_NL__2PRFIN20070629_163836_000000382059_00255_27864_4885.N1	29-JUN-2007 16:38:36	Bright	38.000	130	23Bet Dra	2.7990	5800.0	76	27864	No
219	GOM_NL__2PRFIN20070629_164054_000000362059_00255_27864_4886.N1	29-JUN-2007 16:40:54	Bright	36.000	119	14Eta Dra	2.7270	4700.0	72	27864	No

279	GOM_NL__2PRFIN20070629_212235_000000362059_00258_27867_4952.N1	29-JUN-2007 21:22:35	Bright	36.000	98	13Zet Oph	2.5710	30000.	72	27867	No
280	GOM_NL__2PRFIN20070629_212633_000000382059_00258_27867_4953.N1	29-JUN-2007 21:26:33	Bright	38.000	126	60Bet Oph	2.7700	4250.0	76	27867	No
281	GOM_NL__2PRFIN20070629_212854_000000372059_00258_27867_4954.N1	29-JUN-2007 21:28:54	Bright	36.500	59	55Alp Oph	2.0800	8900.0	73	27867	No
282	GOM_NL__2PRFIN20070629_213131_000000362059_00258_27867_4955.N1	29-JUN-2007 21:31:31	Bright	36.000	127	27Bet Her	2.7810	4700.0	72	27867	No
283	GOM_NL__2PRFIN20070629_213417_000000362059_00258_27867_4956.N1	29-JUN-2007 21:34:17	Bright	36.000	133	40Zet Her	2.8070	6000.0	72	27867	No
284	GOM_NL__2PRFIN20070629_214023_000000382059_00258_27867_4957.N1	29-JUN-2007 21:40:23	Bright	38.000	130	23Bet Dra	2.7990	5800.0	76	27867	No
285	GOM_NL__2PRFIN20070629_214242_000000362059_00258_27867_4958.N1	29-JUN-2007 21:42:42	Bright	35.500	119	14Eta Dra	2.7270	4700.0	71	27867	No
286	GOM_NL__2PRFIN20070629_214639_000000362059_00258_27867_4959.N1	29-JUN-2007 21:46:39	Bright	36.000	60	7Bet UMi	2.0810	3950.0	72	27867	No
287	GOM_NL__2PRFIN20070629_215056_000000362059_00258_27867_4960.N1	29-JUN-2007 21:50:56	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	27867	No
288	GOM_NL__2PRFIN20070629_220114_000000392059_00258_27867_4961.N1	29-JUN-2007 22:01:14	Bright	39.000	160	23Gam Per	2.9300	4700.0	78	27867	No
289	GOM_NL__2PRFIN20070629_220255_000000402059_00258_27867_4962.N1	29-JUN-2007 22:02:55	Bright	40.000	175	39Del Per	3.0100	19400.	80	27867	No
290	GOM_NL__2PRFIN20070629_220504_000000442059_00258_27867_4963.N1	29-JUN-2007 22:05:04	Bright	44.000	79	26Bet Per	2.3100	13100.	88	27867	No
291	GOM_NL__2PRFIN20070629_221619_000000462059_00258_27867_4964.N1	29-JUN-2007 22:16:19	Dark	45.500	94	92Alp Cet	2.5260	3100.0	91	27867	No
292	GOM_NL__2PRFIN20070629_222006_000000412059_00258_27867_4965.N1	29-JUN-2007 22:20:06	Dark	40.500	165	34Gam Eri	2.9500	3200.0	81	27867	No
293	GOM_NL__2PRFIN20070629_223432_000000422059_00259_27868_4961.N1	29-JUN-2007 22:34:32	Dark	42.000	9	Alp Eri	0.45300	24000.	84	27868	No
294	GOM_NL__2PRFIN20070629_224157_000000432059_00259_27868_4962.N1	29-JUN-2007 22:41:57	Straylight	43.000	148	Alp Tuc	2.8780	4100.0	86	27868	No
295	GOM_NL__2PRFIN20070629_224621_000000422059_00259_27868_4963.N1	29-JUN-2007 22:46:21	Straylight	41.500	45	Alp Pav	1.9400	26000.	83	27868	No
296	GOM_NL__2PRFIN20070629_225145_000000382059_00259_27868_4964.N1	29-JUN-2007 22:51:45	Straylight	38.000	147	Alp Ara	2.8770	26000.	76	27868	No
297	GOM_NL__2PRFIN20070629_225333_000000422059_00259_27868_4965.N1	29-JUN-2007 22:53:33	Tw_i_and_stray	42.000	40	The Sco	1.8590	7100.0	84	27868	No
298	GOM_NL__2PRFIN20070629_225513_000000412059_00259_27868_4966.N1	29-JUN-2007 22:55:13	Tw_i_and_stray	40.500	25	35Lam Sco	1.6200	28000.	81	27868	No
299	GOM_NL__2PRFIN20070629_225637_000000482059_00259_27868_4967.N1	29-JUN-2007 22:56:37	Bright	47.500	116	19Del Sgr	2.7000	4100.0	95	27868	No
300	GOM_NL__2PRFIN20070629_230126_000000372059_00259_27868_4968.N1	29-JUN-2007 23:01:26	Bright	36.500	86	35Eta Oph	2.4300	10200.	73	27868	No
301	GOM_NL__2PRFIN20070629_230311_000000352059_00259_27868_4969.N1	29-JUN-2007 23:03:11	Bright	35.000	98	13Zet Oph	2.5710	30000.	70	27868	No
302	GOM_NL__2PRFIN20070629_230709_000000372059_00259_27868_4970.N1	29-JUN-2007 23:07:09	Bright	37.000	126	60Bet Oph	2.7700	4250.0	74	27868	No
303	GOM_NL__2PRFIN20070629_230930_000000372059_00259_27868_4971.N1	29-JUN-2007 23:09:30	Bright	36.500	59	55Alp Oph	2.0800	8900.0	73	27868	No
304	GOM_NL__2PRFIN20070629_231207_000000382059_00259_27868_4972.N1	29-JUN-2007 23:12:07	Bright	37.500	127	27Bet Her	2.7810	4700.0	75	27868	No
305	GOM_NL__2PRFIN20070629_231453_000000372059_00259_27868_4973.N1	29-JUN-2007 23:14:53	Bright	37.000	133	40Zet Her	2.8070	6000.0	74	27868	No
306	GOM_NL__2PRFIN20070629_232059_000000352059_00259_27868_4974.N1	29-JUN-2007 23:20:59	Bright	35.000	130	23Bet Dra	2.7990	5800.0	70	27868	No
307	GOM_NL__2PRFIN20070629_232318_000000352059_00259_27868_4975.N1	29-JUN-2007 23:23:18	Bright	34.500	119	14Eta Dra	2.7270	4700.0	69	27868	No
308	GOM_NL__2PRFIN20070629_232715_000000342059_00259_27868_4976.N1	29-JUN-2007 23:27:15	Bright	33.500	60	7Bet UMi	2.0810	3950.0	67	27868	No
309	GOM_NL__2PRFIN20070629_233132_000000352059_00259_27868_4977.N1	29-JUN-2007 23:31:32	Bright	34.500	49	1Alp UMi	1.9900	6300.0	69	27868	No
310	GOM_NL__2PRFIN20070629_234150_000000362059_00259_27868_4978.N1	29-JUN-2007 23:41:50	Bright	36.000	160	23Gam Per	2.9300	4700.0	72	27868	No
311	GOM_NL__2PRFIN20070629_234331_000000332059_00259_27868_4979.N1	29-JUN-2007 23:43:31	Bright	33.000	175	39Del Per	3.0100	19400.	66	27868	No
312	GOM_NL__2PRFIN20070629_234540_000000302059_00259_27868_4980.N1	29-JUN-2007 23:45:40	Bright	30.000	79	26Bet Per	2.3100	13100.	60	27868	No
313	GOM_NL__2PRFIN20070629_235655_000000492059_00259_27868_4981.N1	29-JUN-2007 23:56:55	Dark	48.500	94	92Alp Cet	2.5260	3100.0	97	27868	No

3. Quality information per product

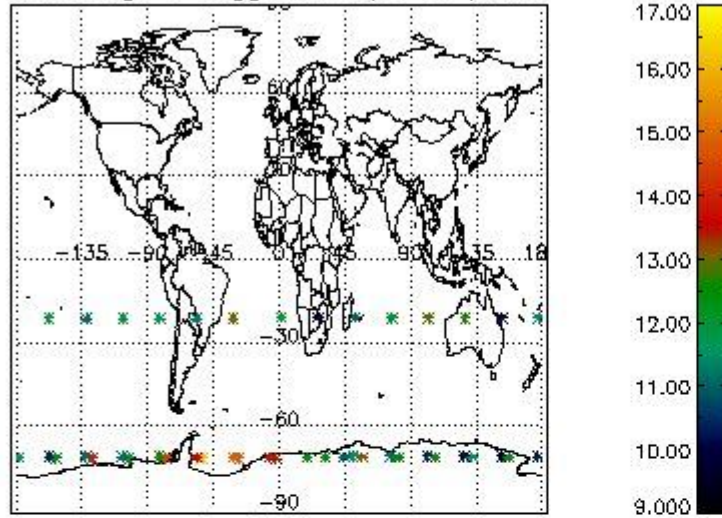
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

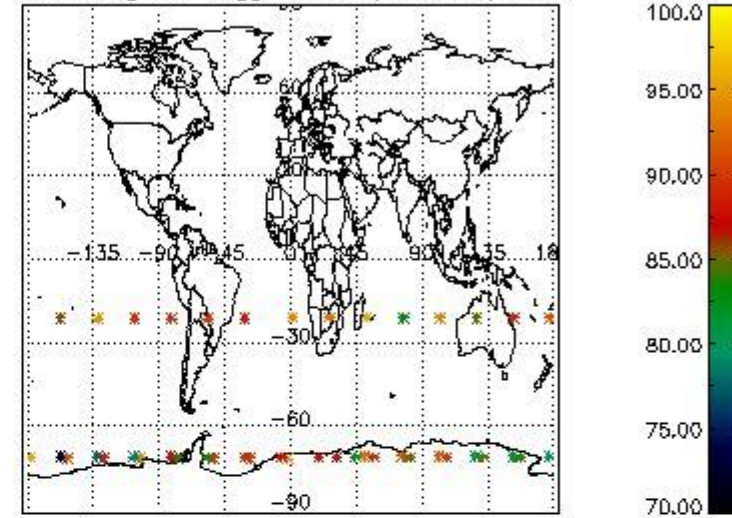


3.2 Plot quality information per product (world map)

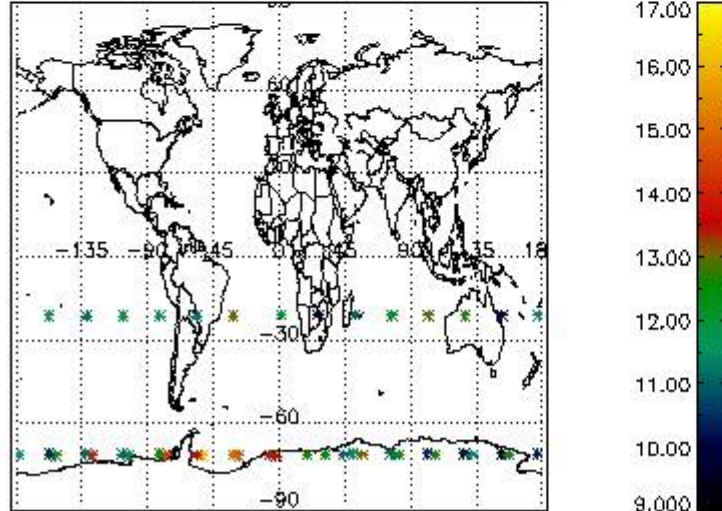
Percentage of flagged data per O3 profile



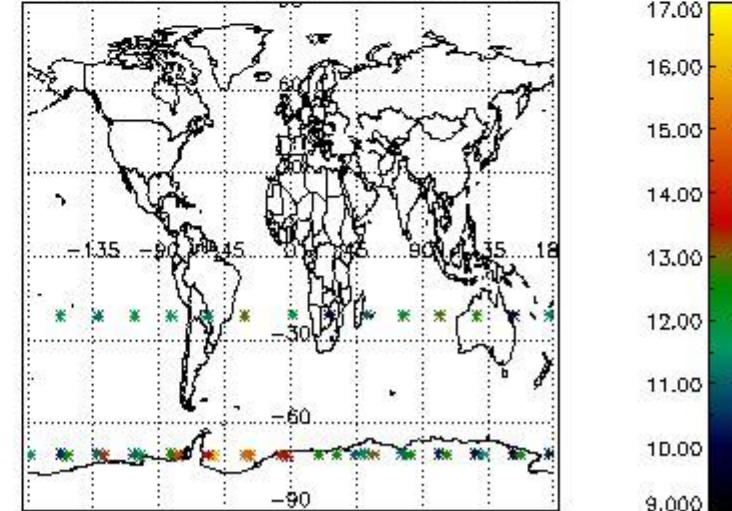
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

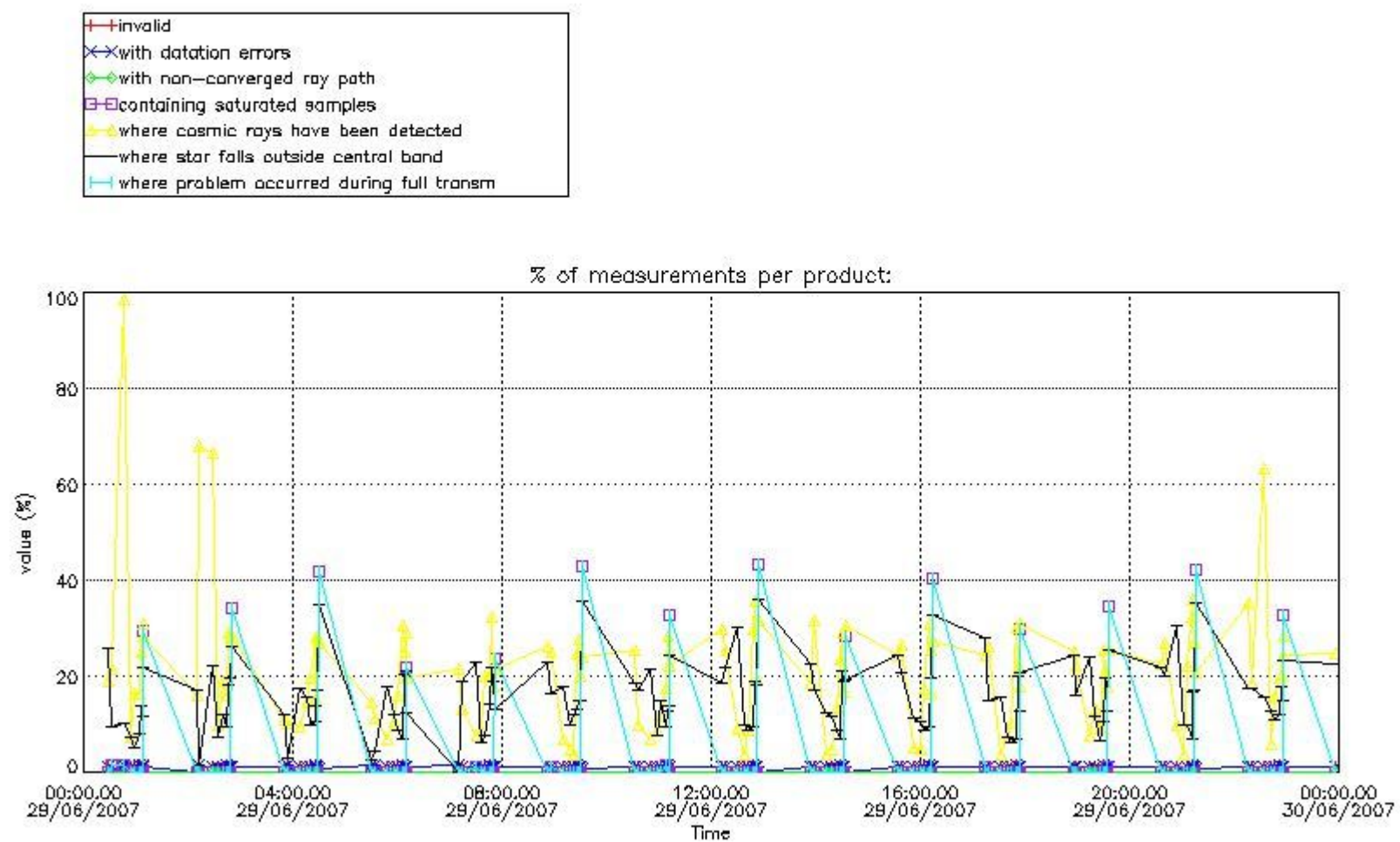


4. Level 1 quality information per product

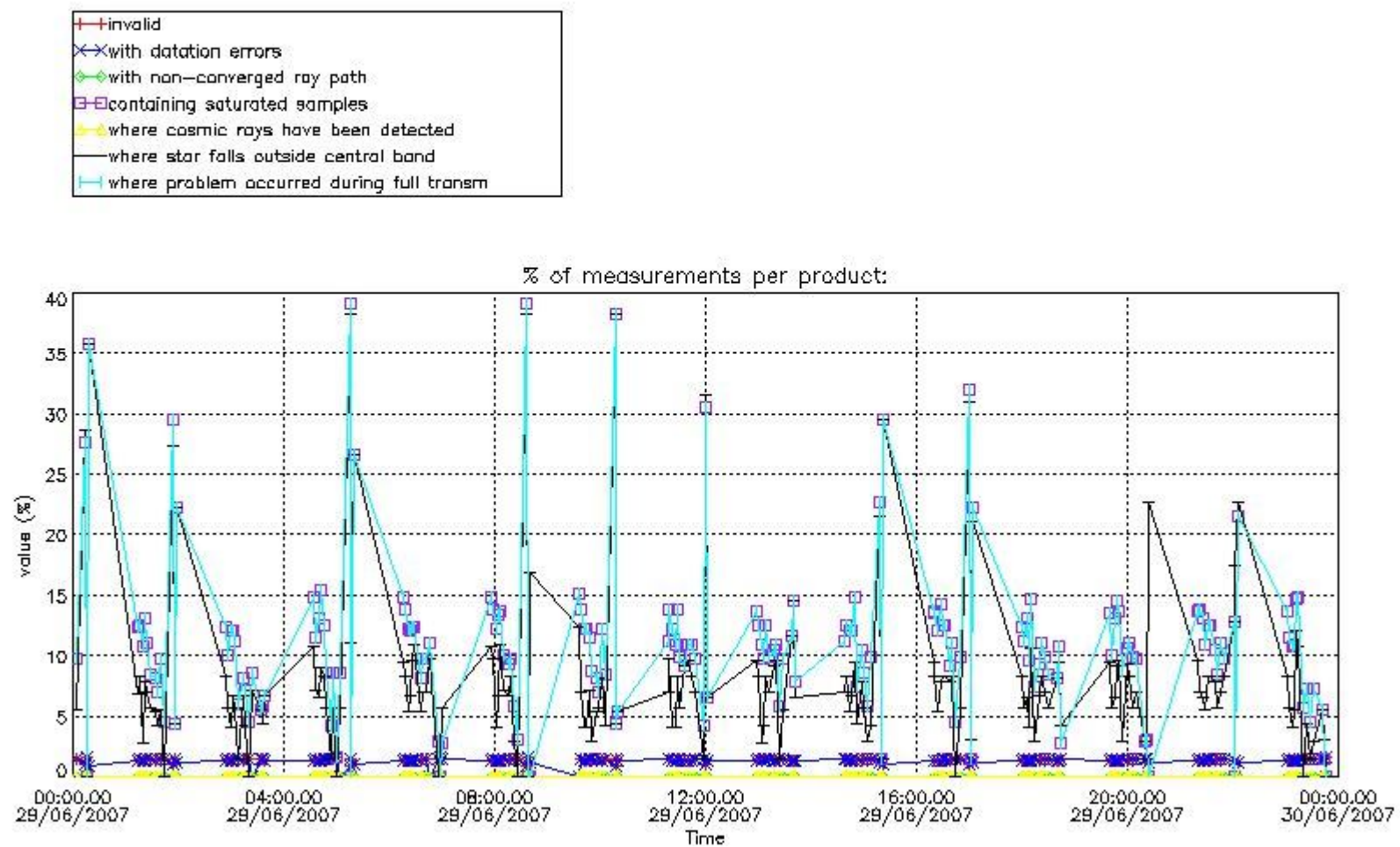
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

4.1 Plot quality information per product (time dependant) coming from level 1b processing

4.1.1 Plot level 1 quality information per product (time dependant): ENVISAT ASCENDING passes



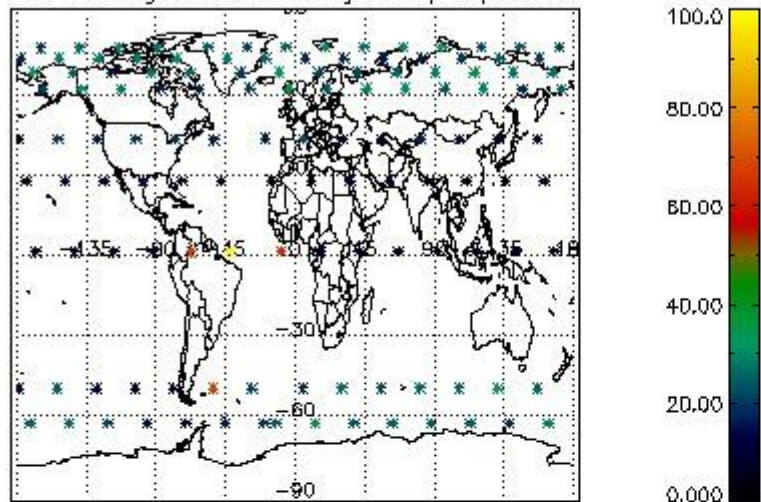
4.1.2 Plot level 1 quality information per product (time dependant): ENVISAT DESCENDING passes



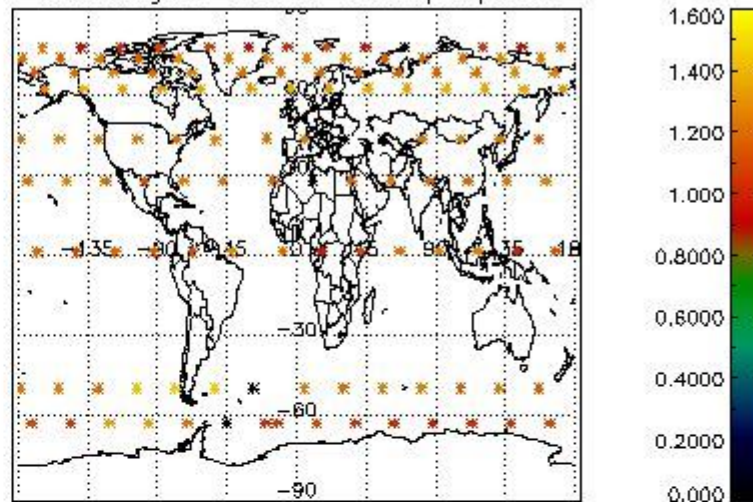
4.2 Plot quality information per product coming from level 1b processing (world map)

4.2.1 Plot level 1 quality information per product (world map): ENVISAT ASCENDING passes

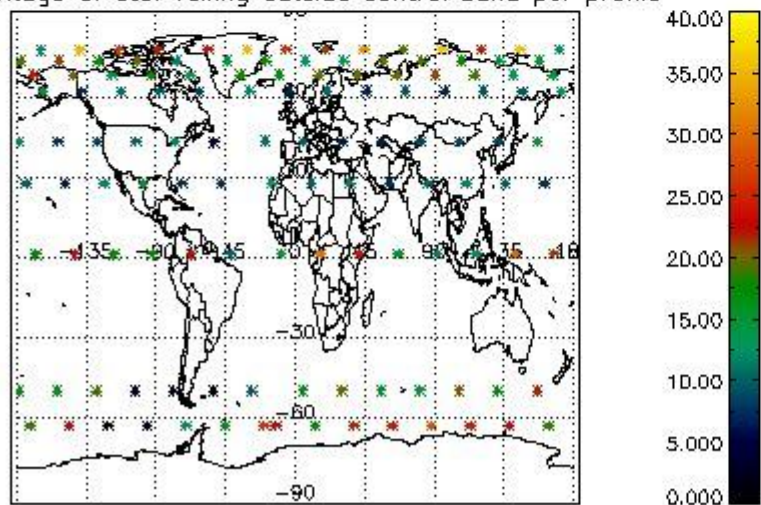
Percentage of cosmic ray hits per profile



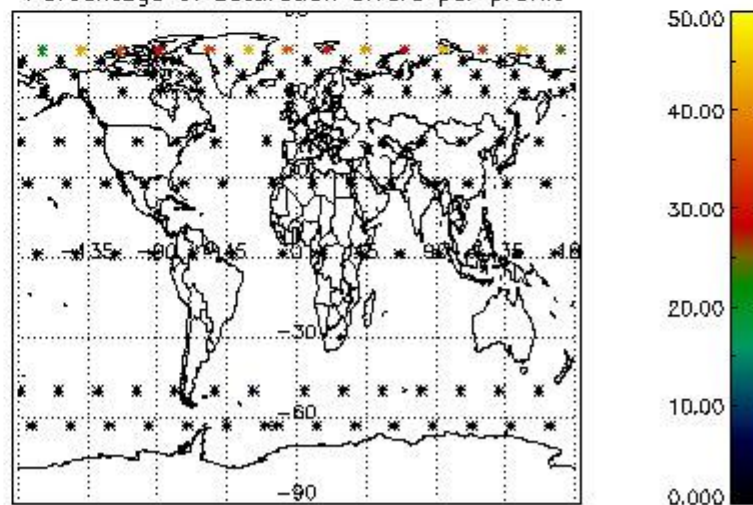
Percentage of datation errors per profile



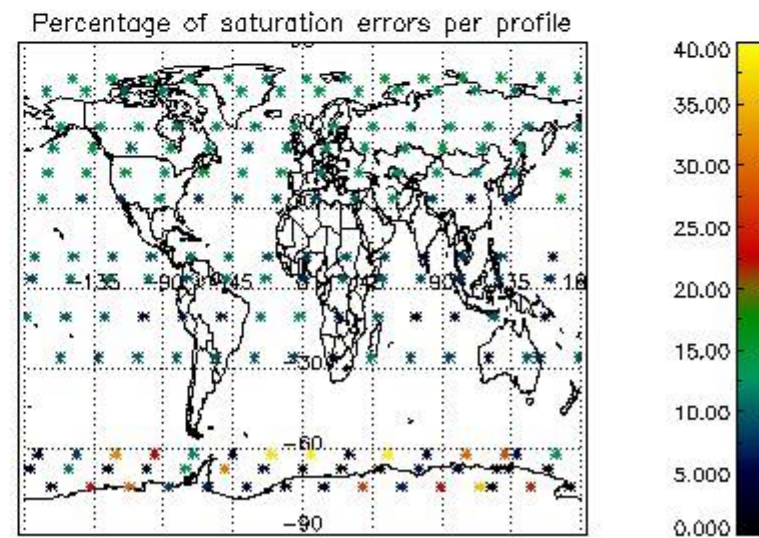
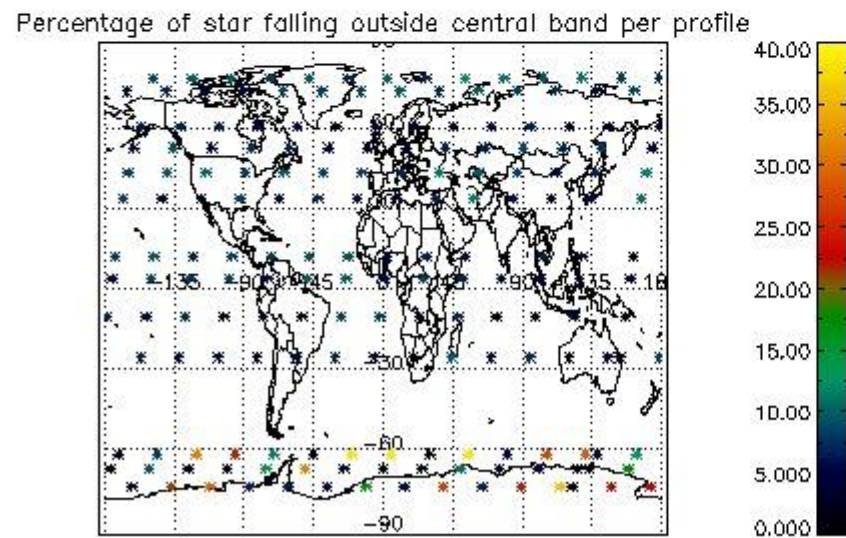
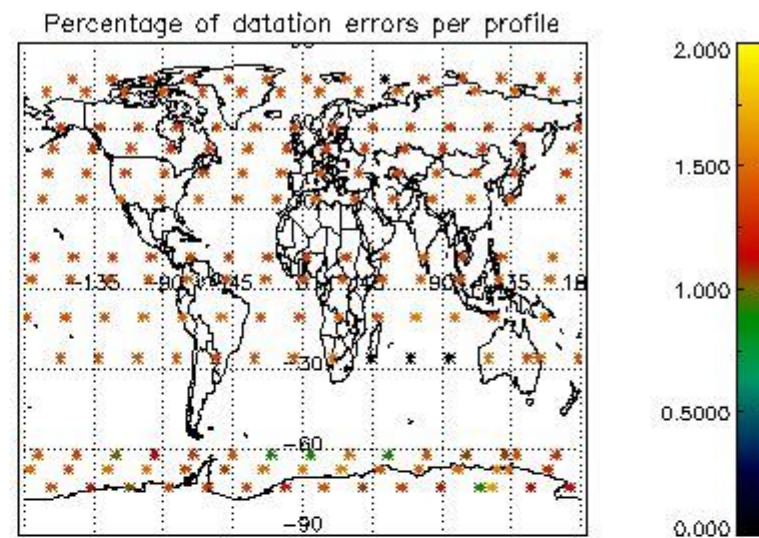
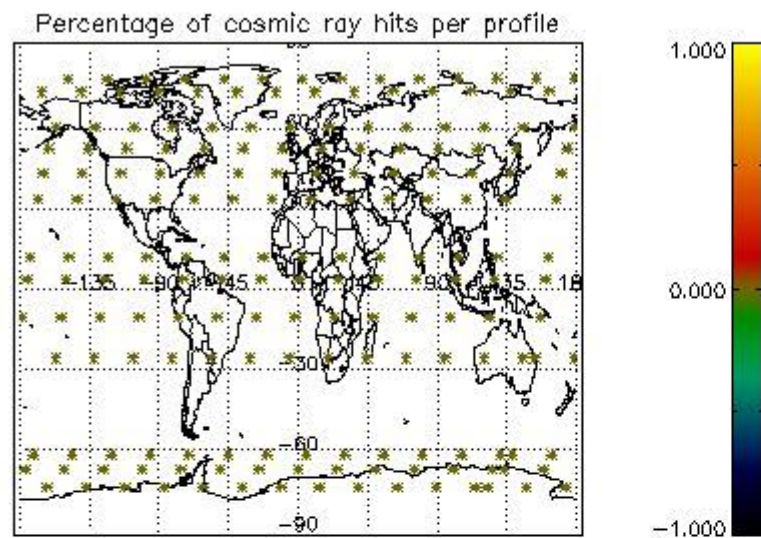
Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



4.2.2 Plot level 1 quality information per product (world map): ENVISAT DESCENDING passes



5. Trace gas profiles

5.1 Ozone statistics based on quality of products

The final quality of the products can be "measured" using the STD (Standard Deviation) attached to every point profile. This information is written to the parameter GOM_NL__2P/NL_LOCAL_SPECIES_DENSITY/o3_std of the level 2 products. The table below shows the statistics for given STD ranges.

The statistics are given with respect to the overall valid production:

- Products without fatal errors: GOM_NL__2P/MPH/PRODUCT_ERR=0
- Valid point profile: GOM_NL__2P/NL_LOCAL_SPECIES_DENSITY/pcd(0)=0

The 'Criteria' is applied to valid points of dark limb products:

- Products in dark limb illumination condition: GOM_NL__2P/NL_SUMMARY_QUALITY/obs_ill_cond=0
- Products without fatal errors: GOM_NL__2P/MPH/PRODUCT_ERR=0
- Valid point profile: GOM_NL__2P/NL_LOCAL_SPECIES_DENSITY/pcd(0)=0

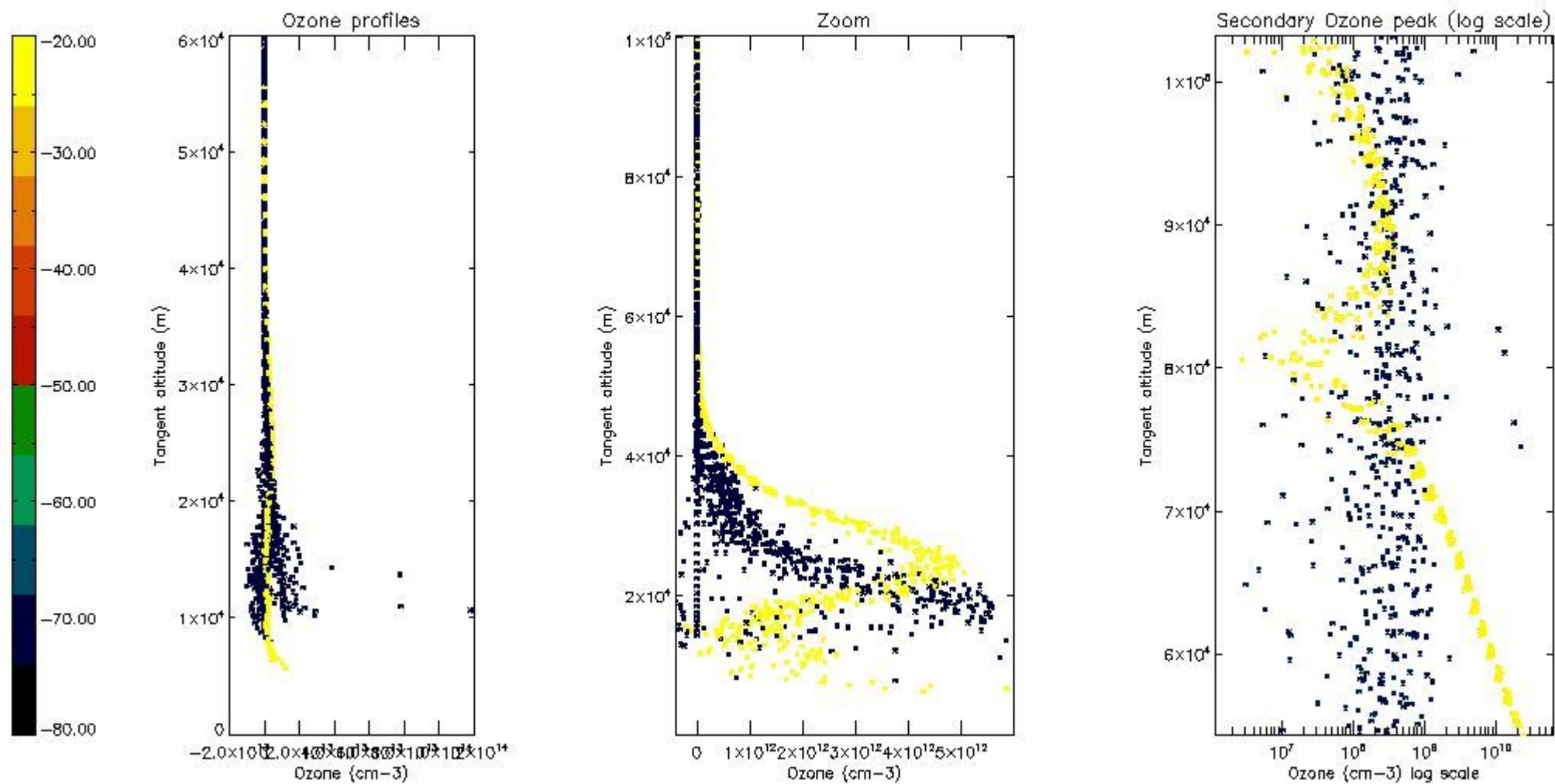
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	16
STD < 20	6

STD < 10	4
STD < 5	3

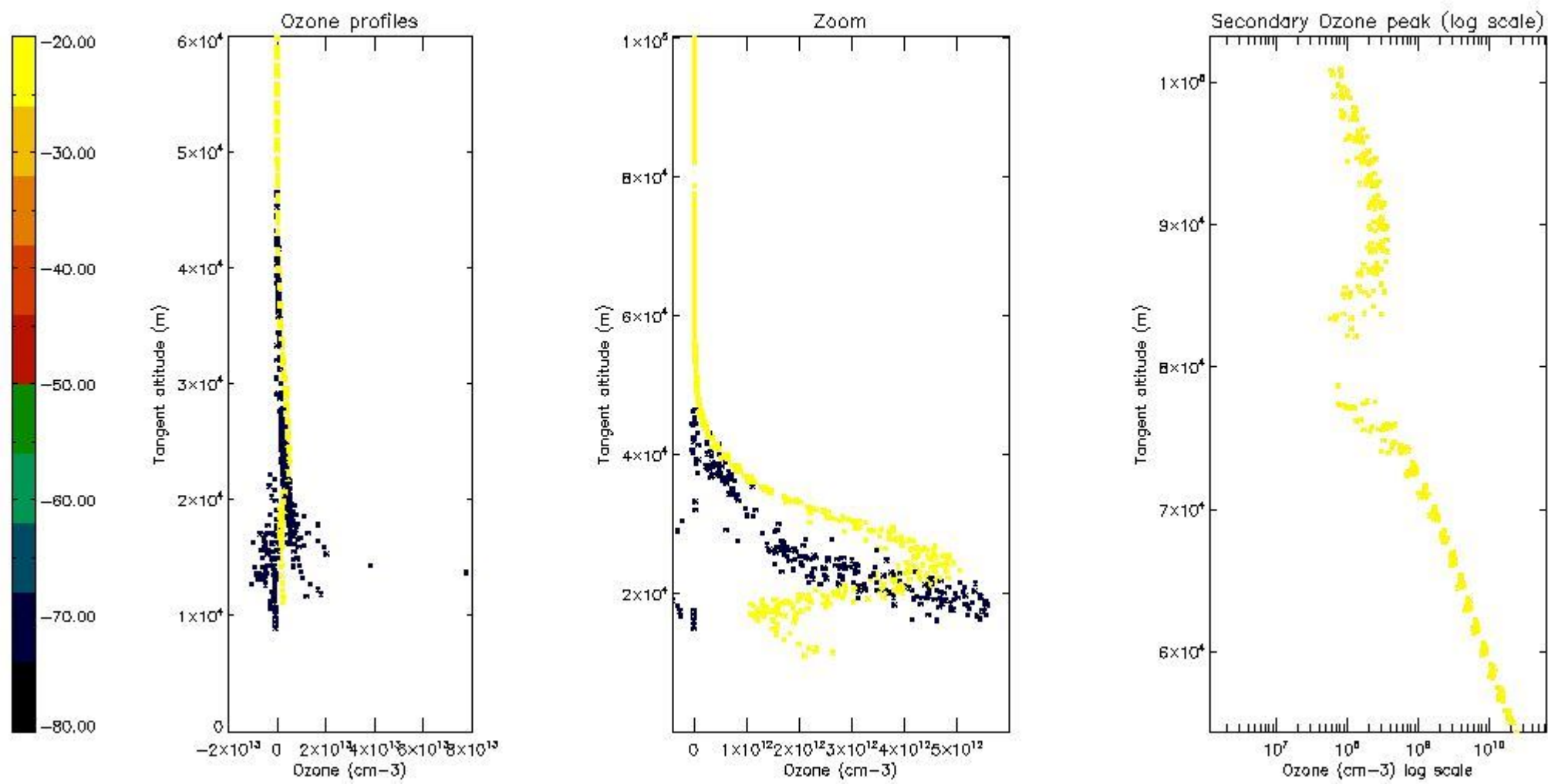
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



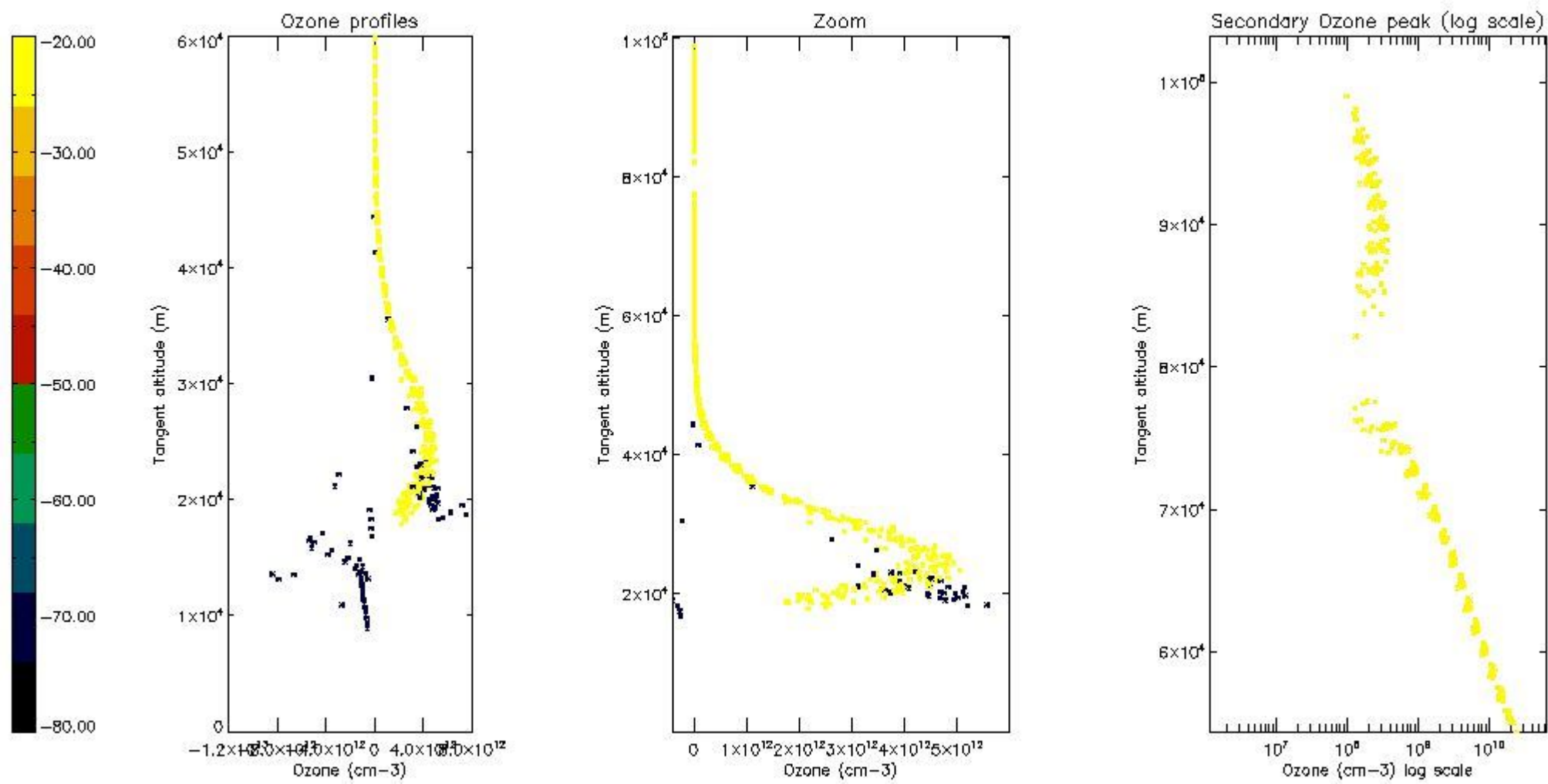
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



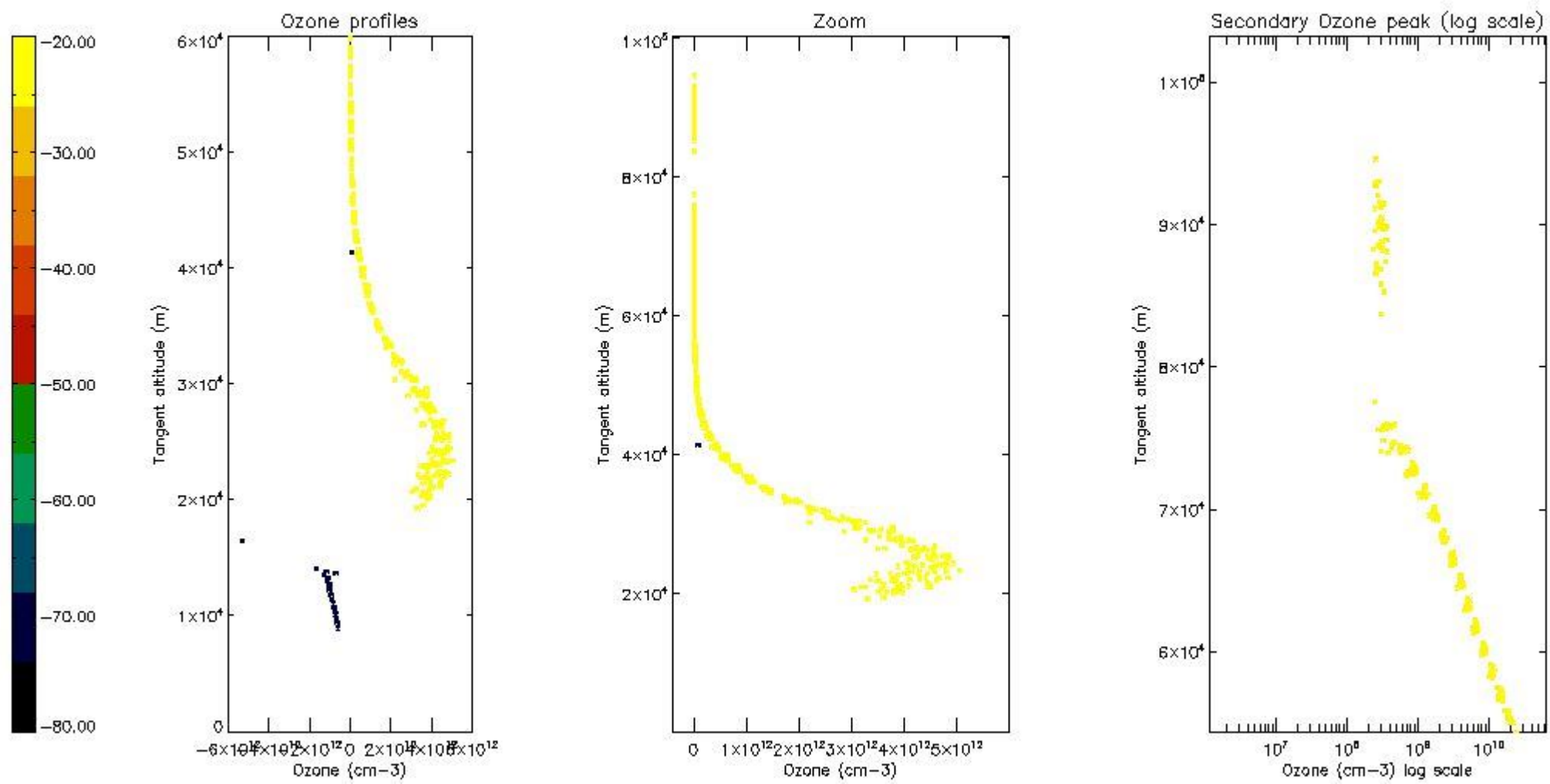
5.4 Plot ozone profiles where $STD < 10\%$ (dark without errors)

The colorbar represents the latitude.



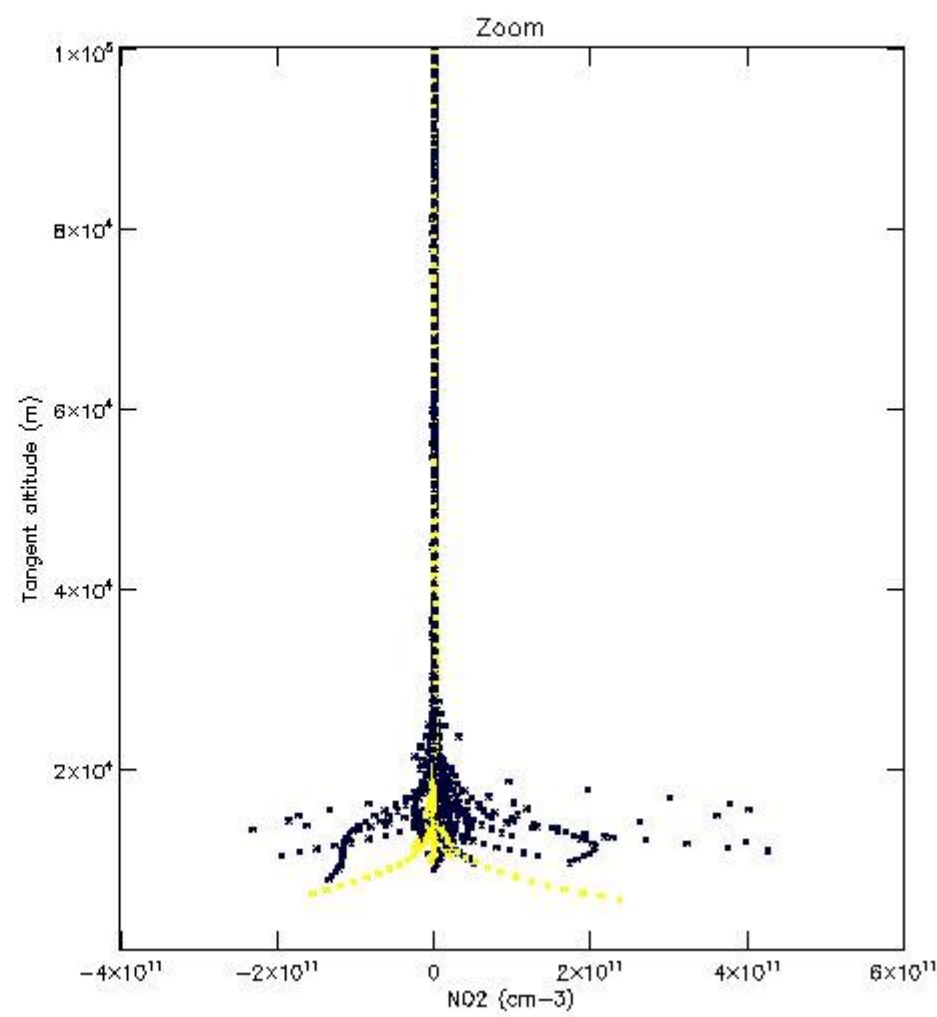
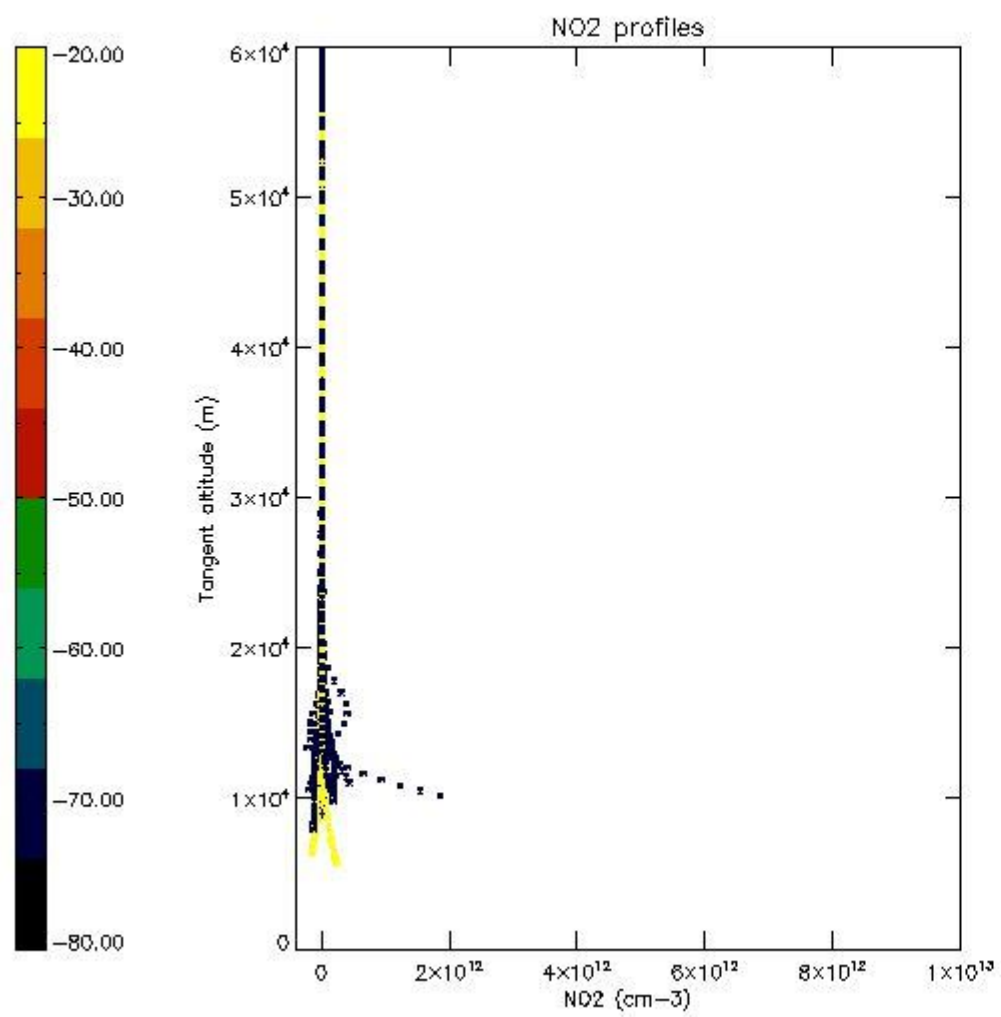
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



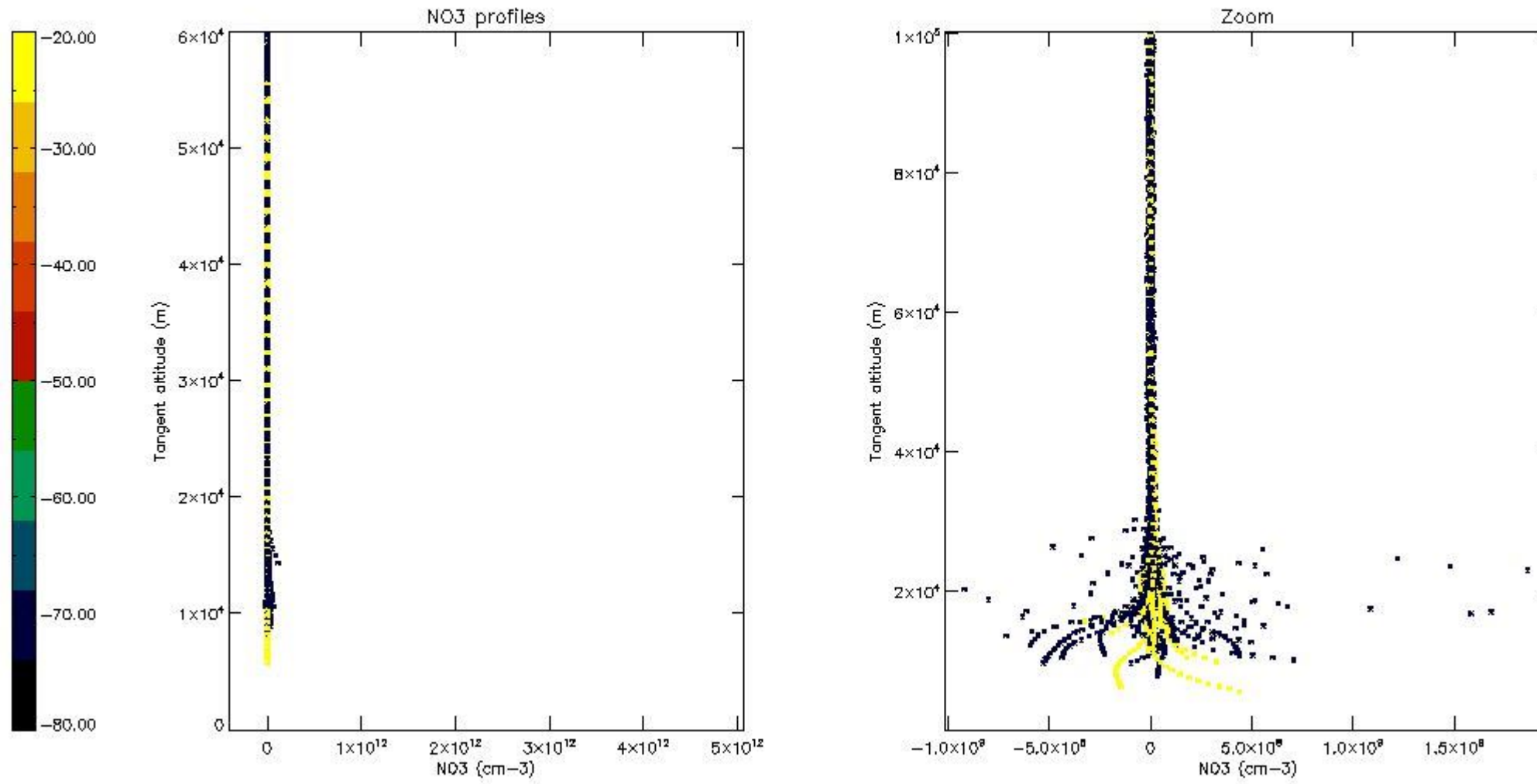
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



5.7 Plot NO3 profiles for all STD (dark without errors)

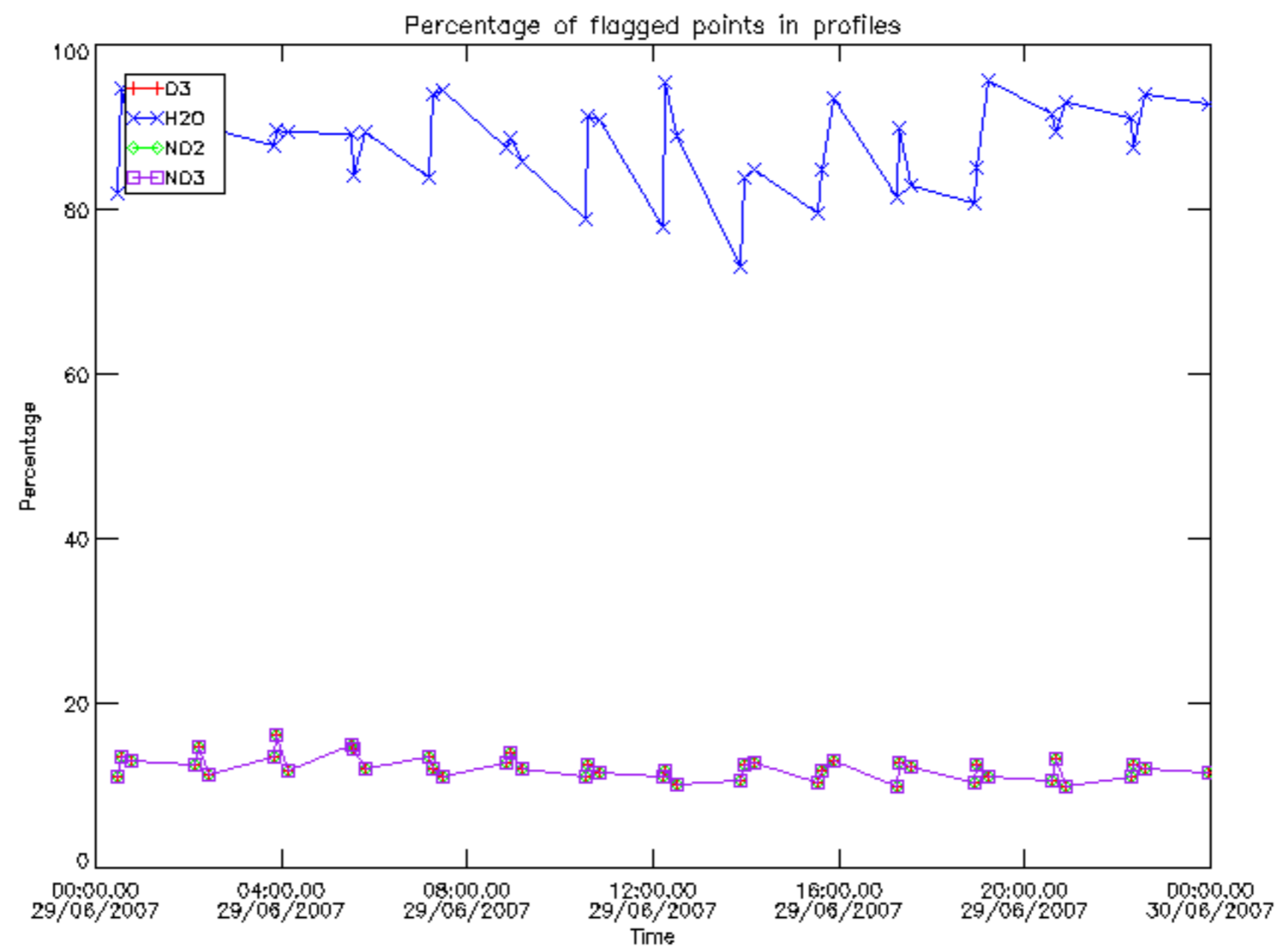
The colorbar represents the latitude.



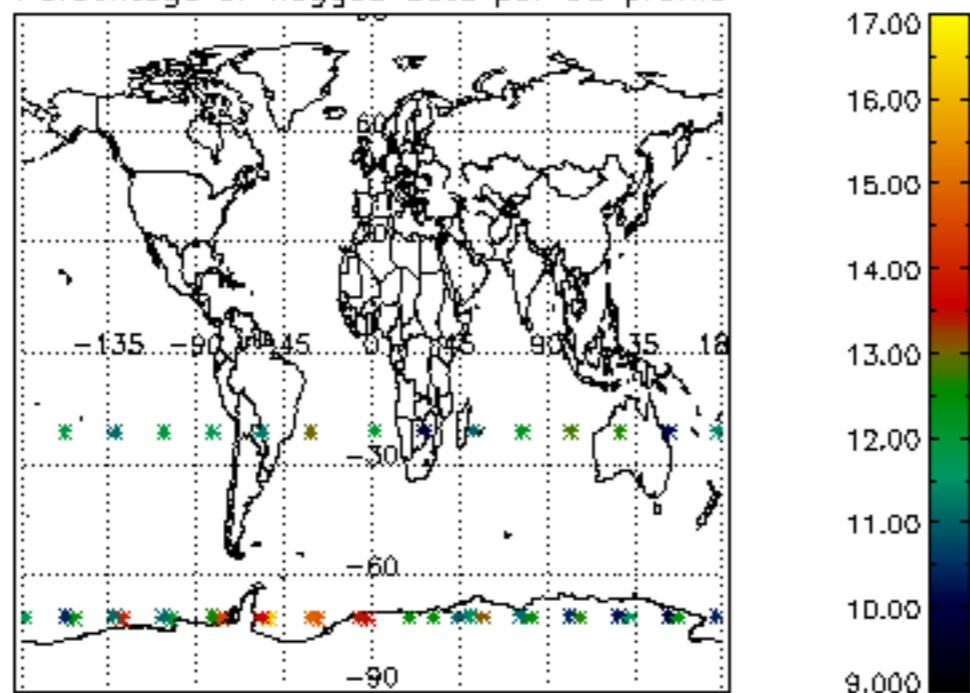
6. Auxiliary Data Files used for the production reported in section 2

The number reported in the third column indicates since which file (see list in section 2) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

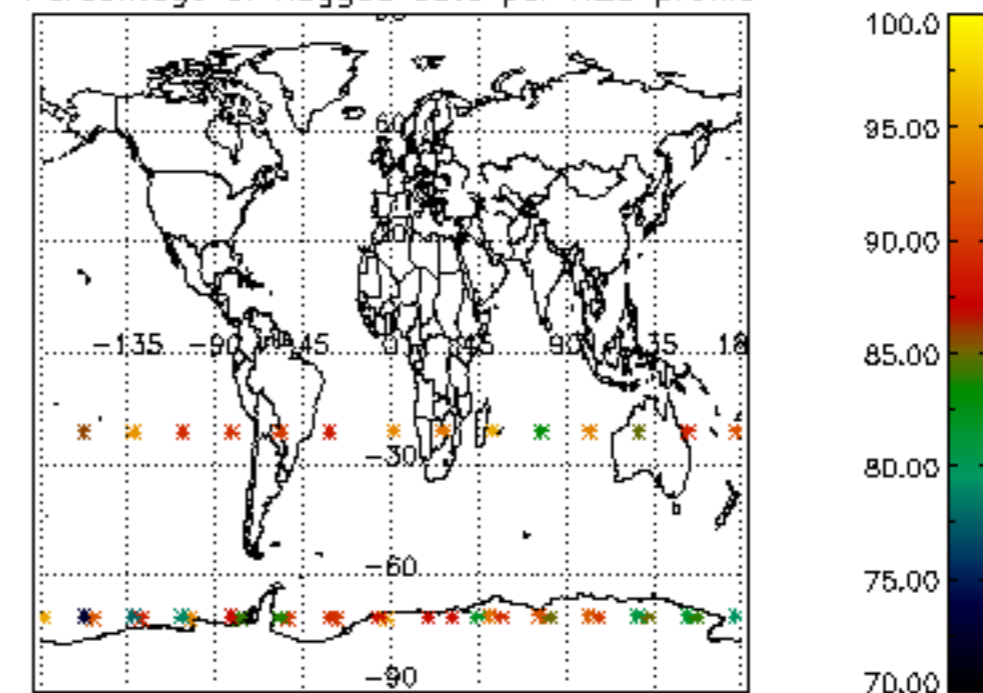
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	29-JUN-2007 00:03:09
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	29-JUN-2007 00:03:09
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	29-JUN-2007 00:03:09



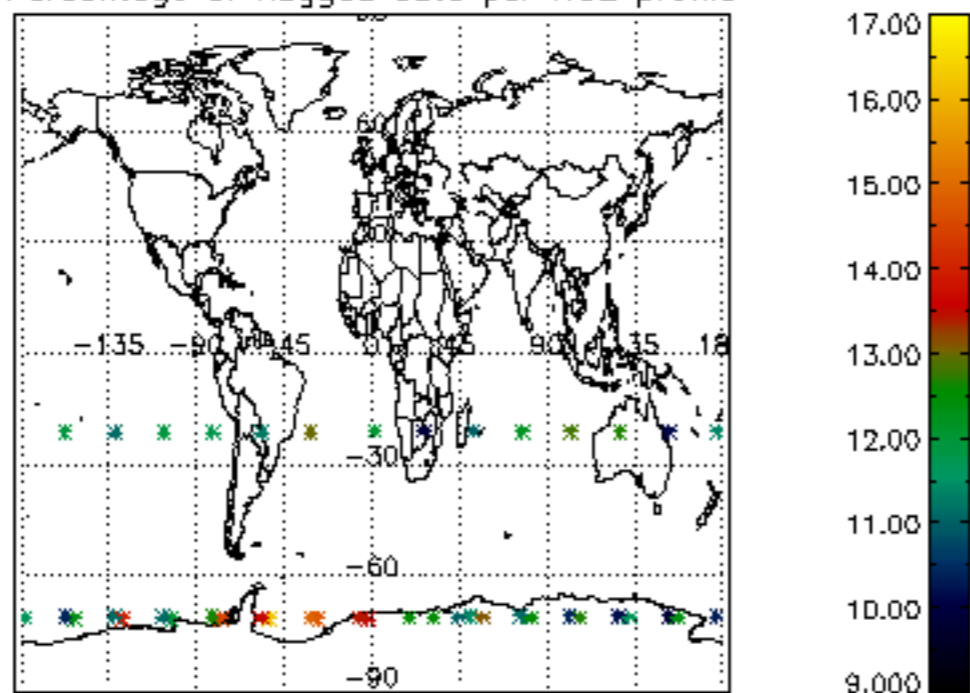
Percentage of flagged data per D3 profile



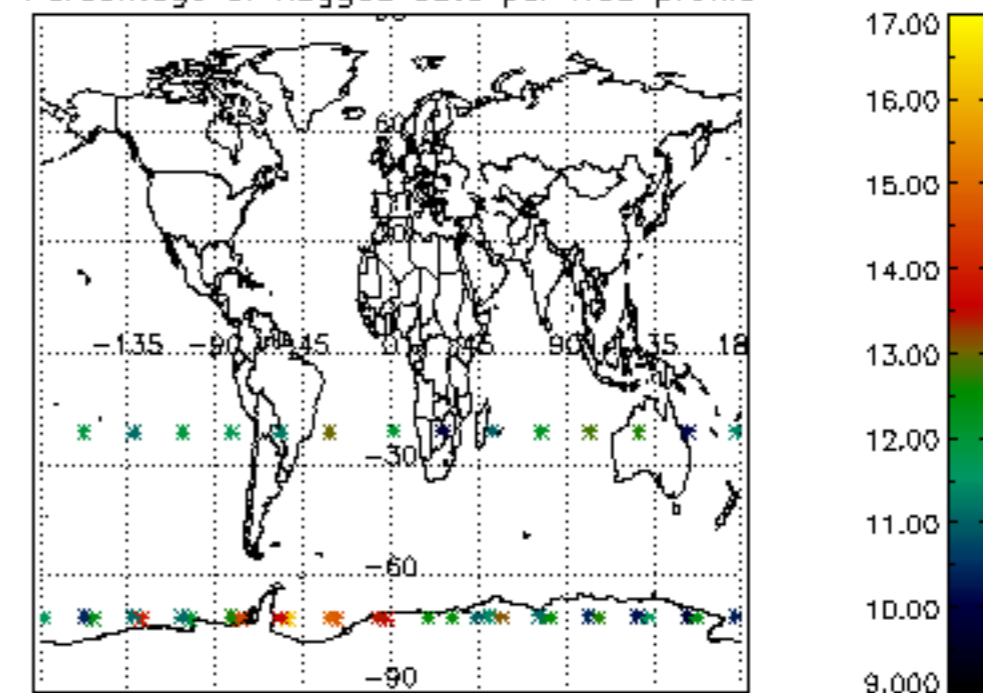
Percentage of flagged data per H2O profile

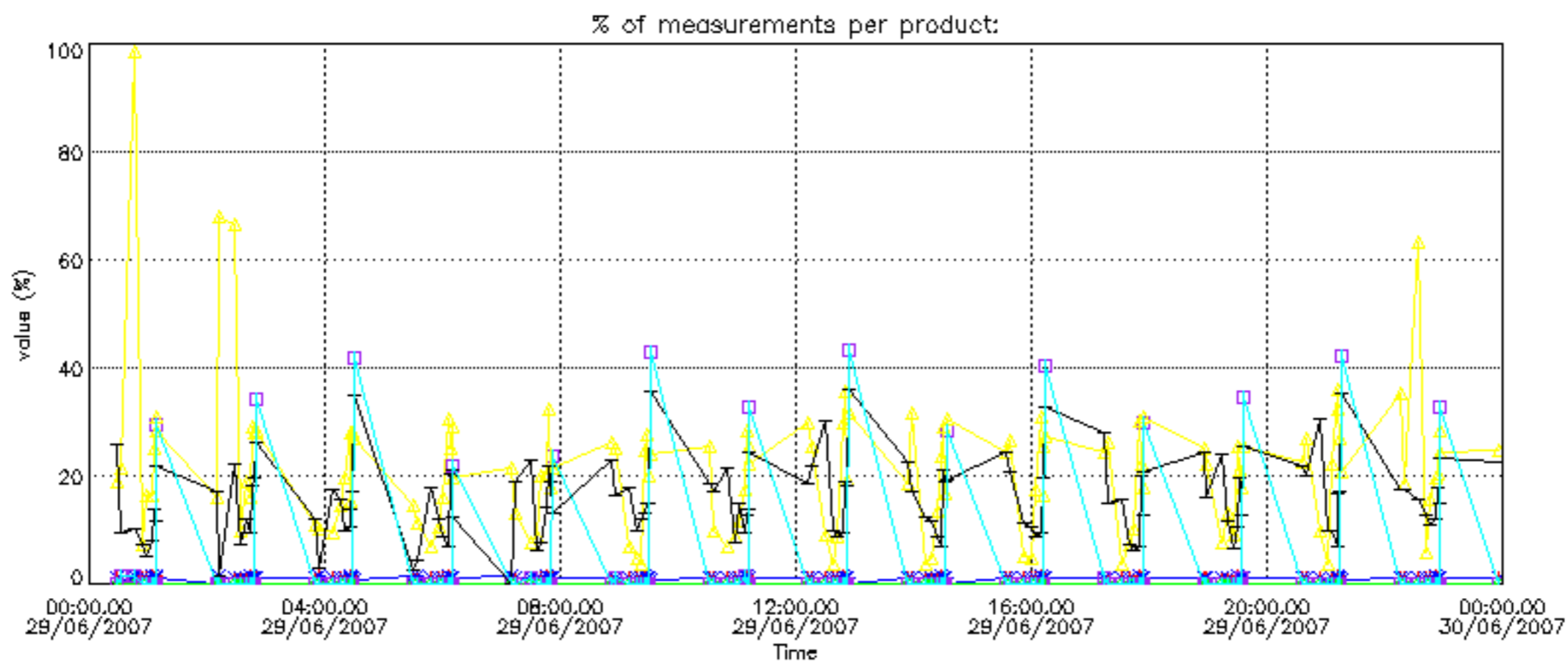


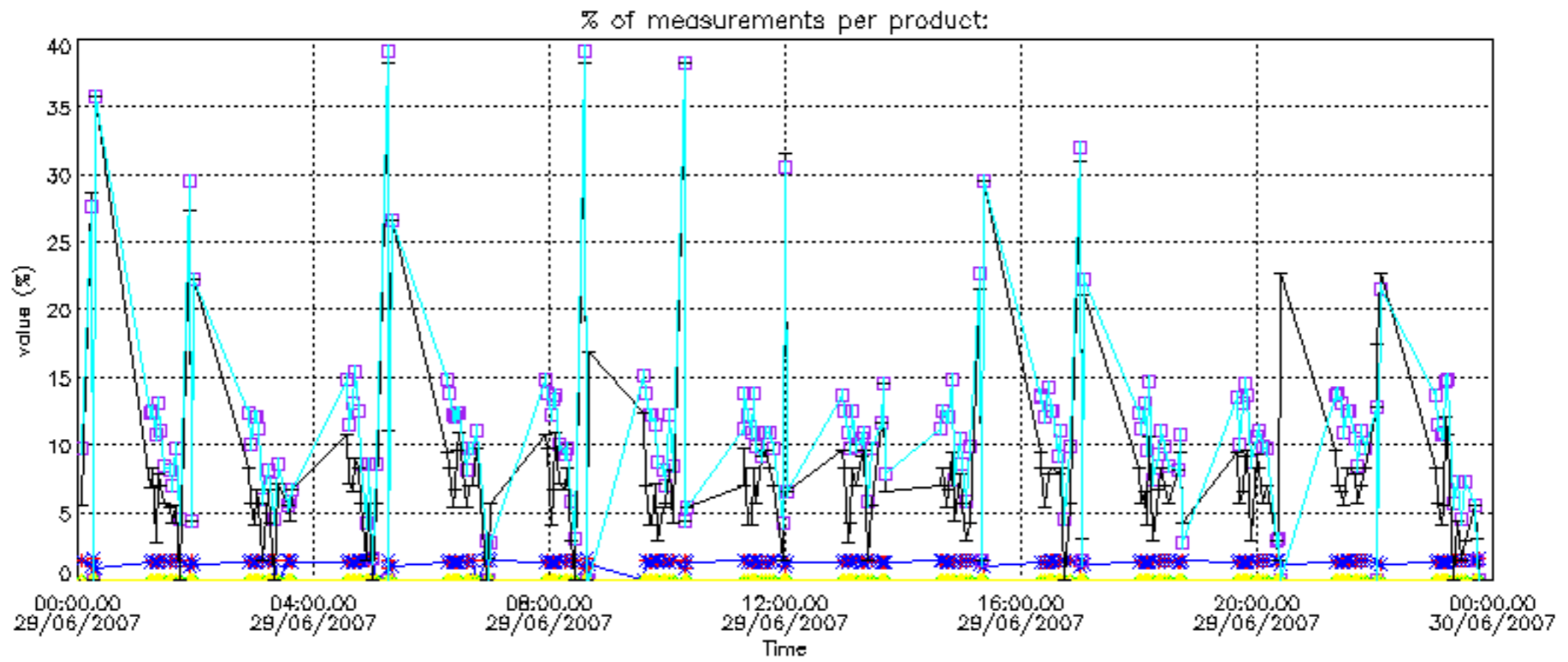
Percentage of flagged data per NO2 profile



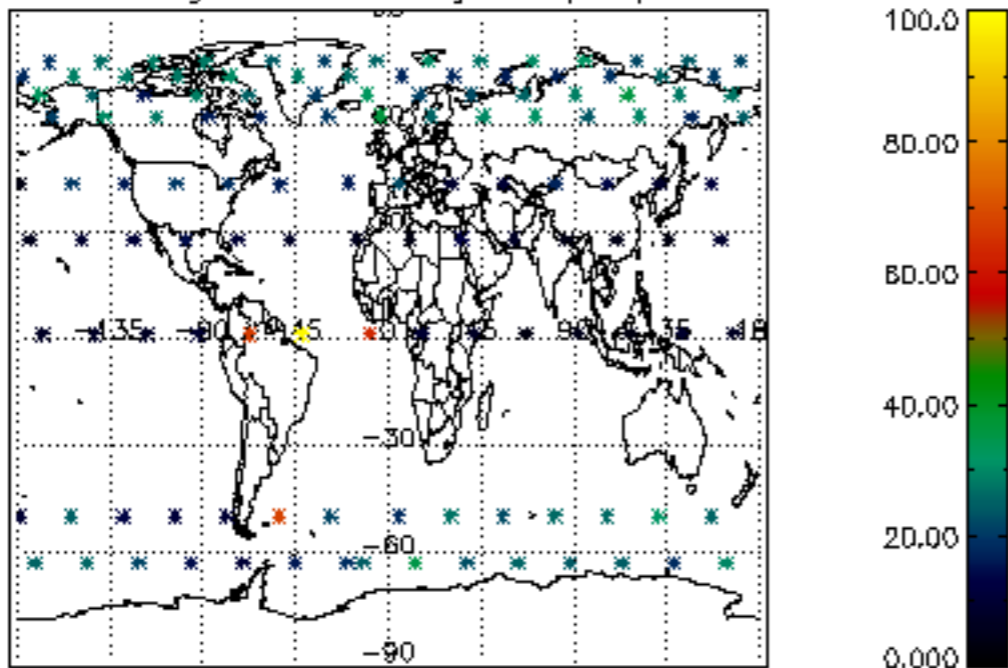
Percentage of flagged data per NO3 profile



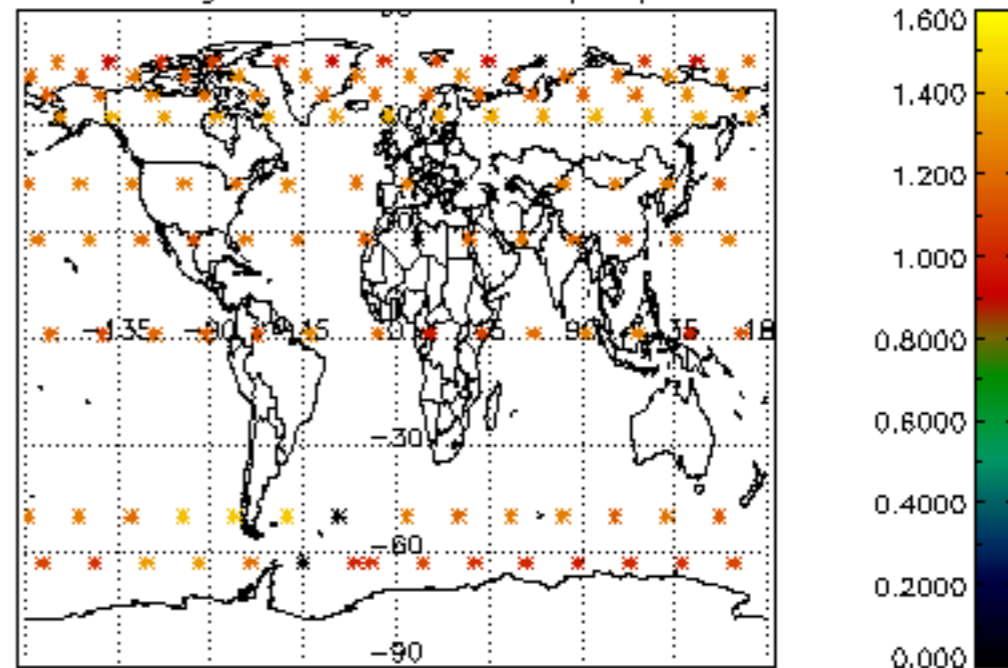




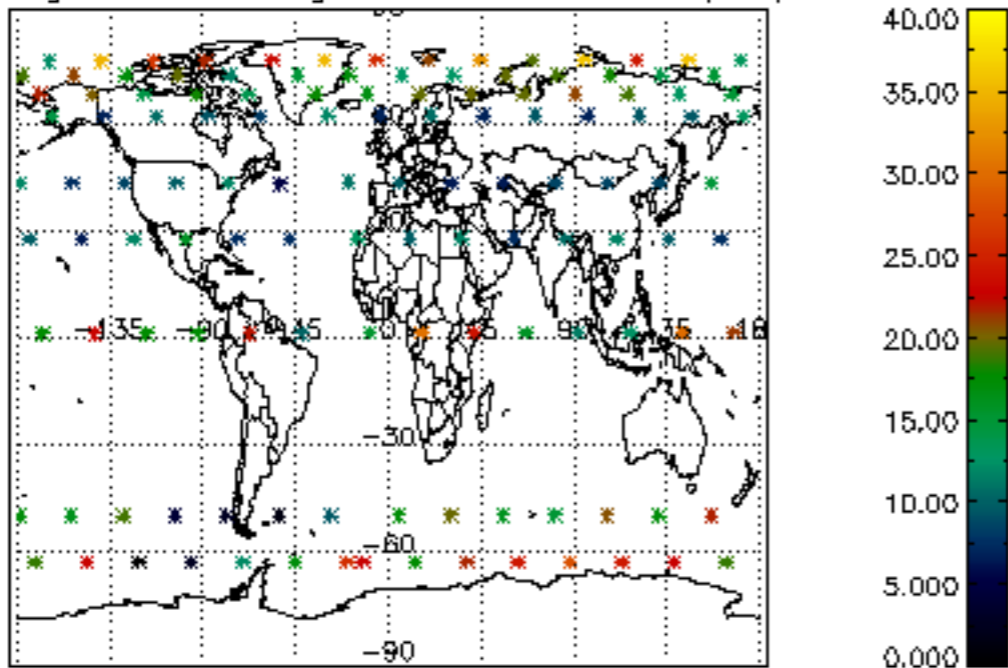
Percentage of cosmic ray hits per profile



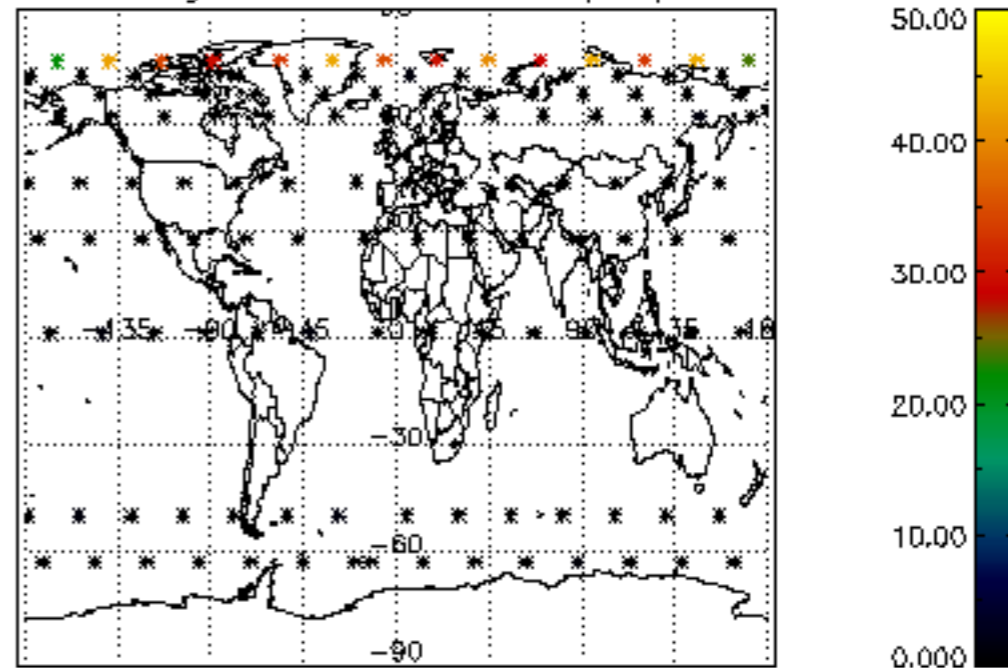
Percentage of datation errors per profile



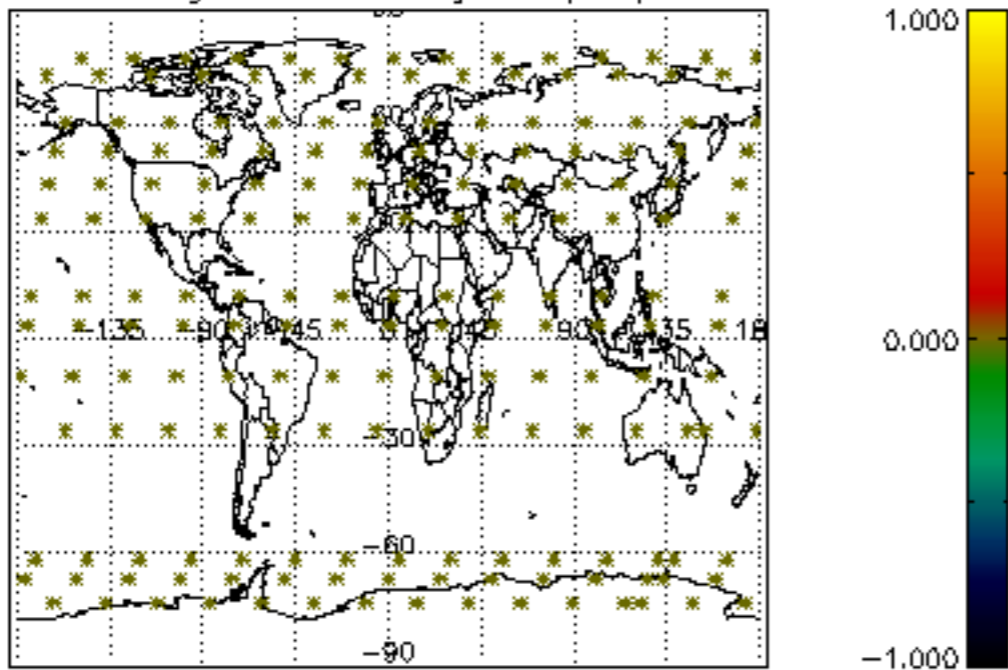
Percentage of star falling outside central band per profile



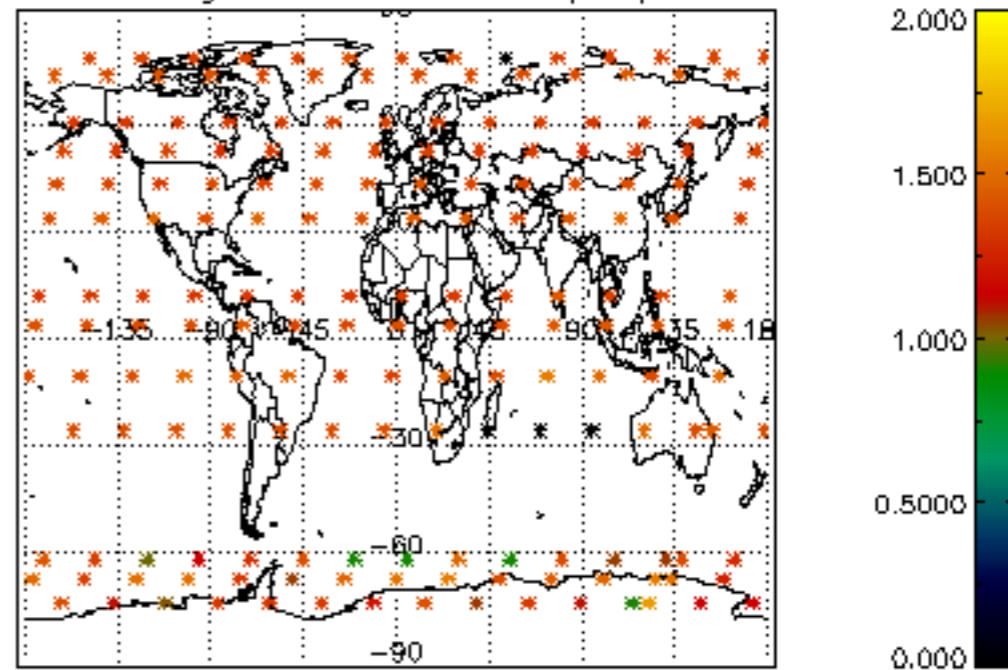
Percentage of saturation errors per profile



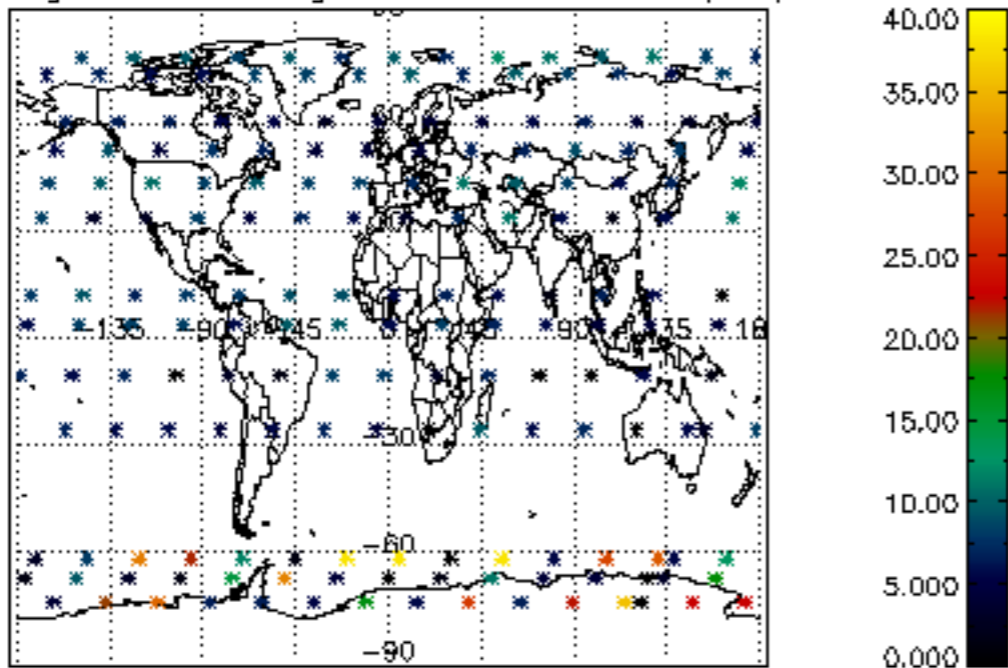
Percentage of cosmic ray hits per profile



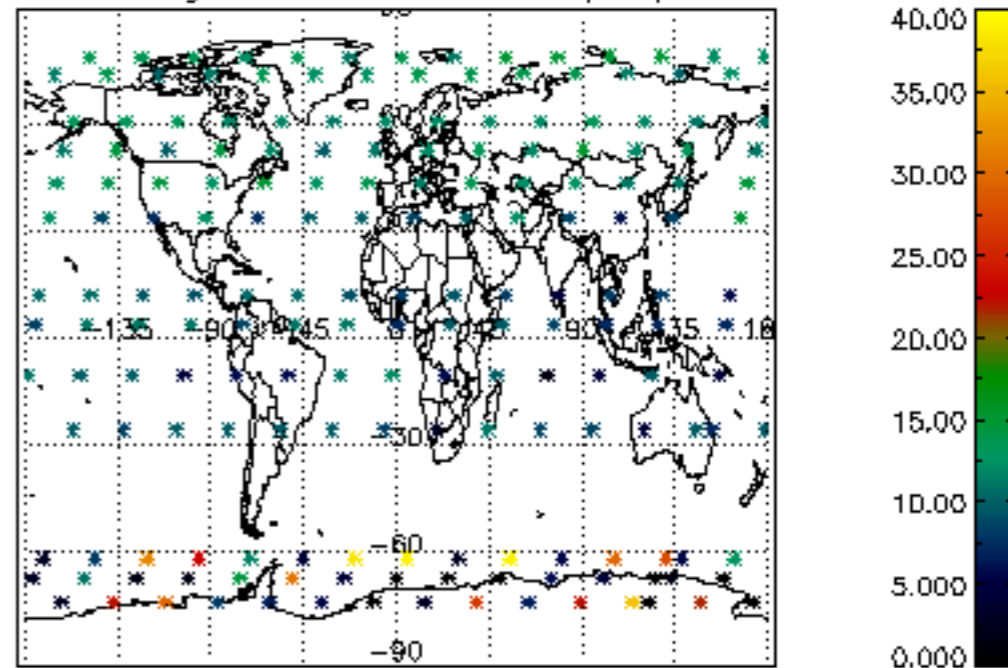
Percentage of datation errors per profile

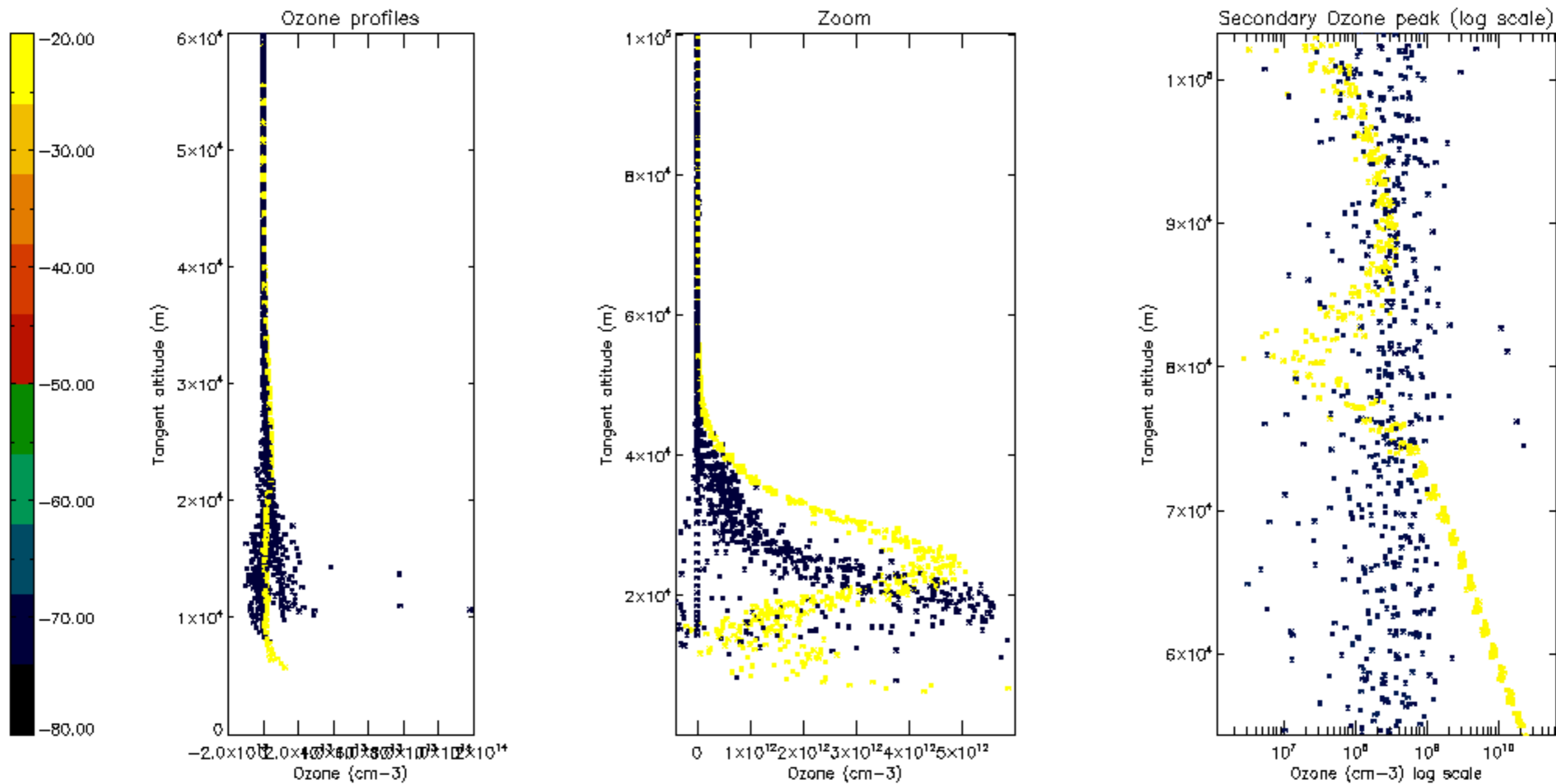


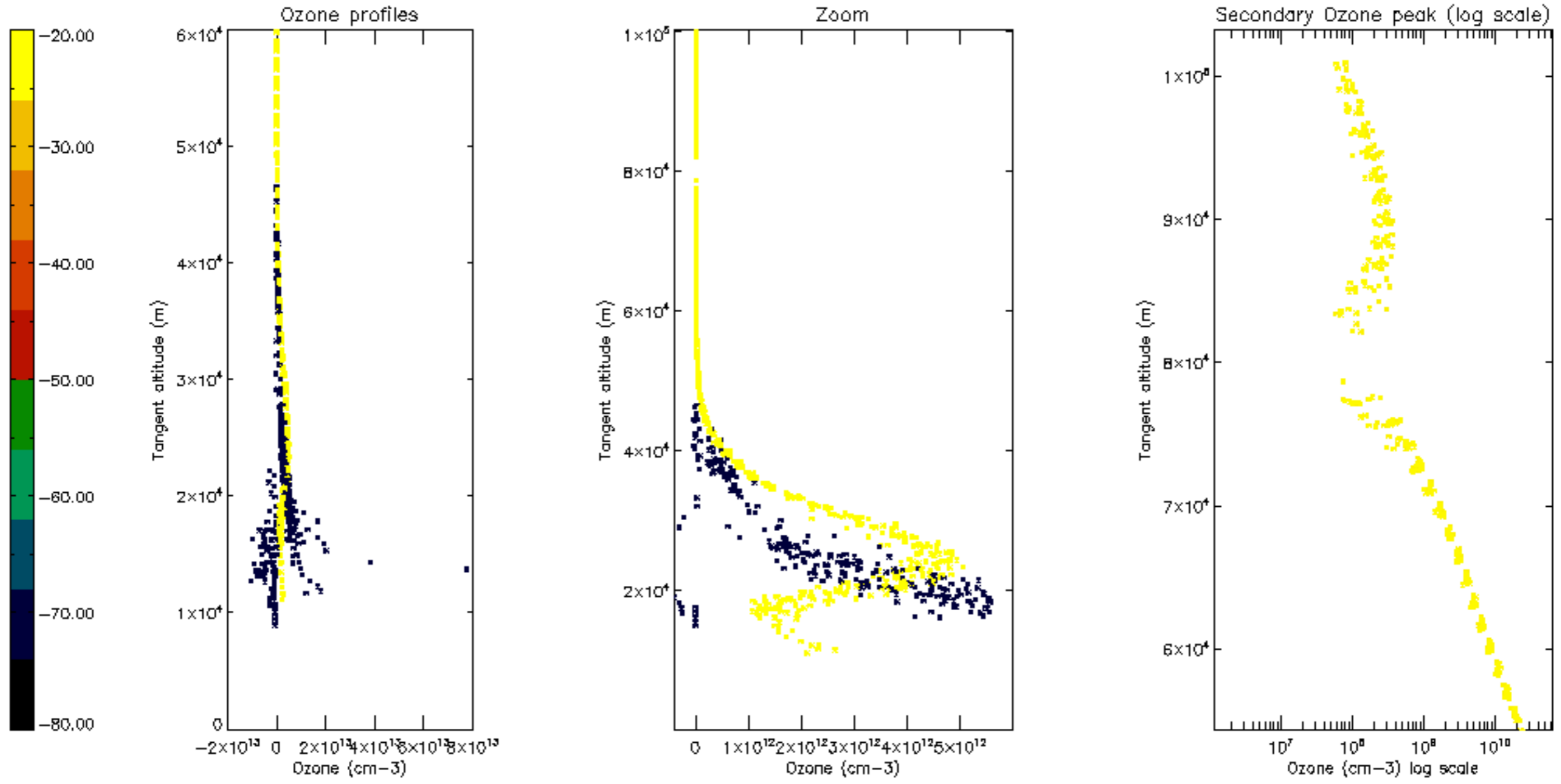
Percentage of star falling outside central band per profile

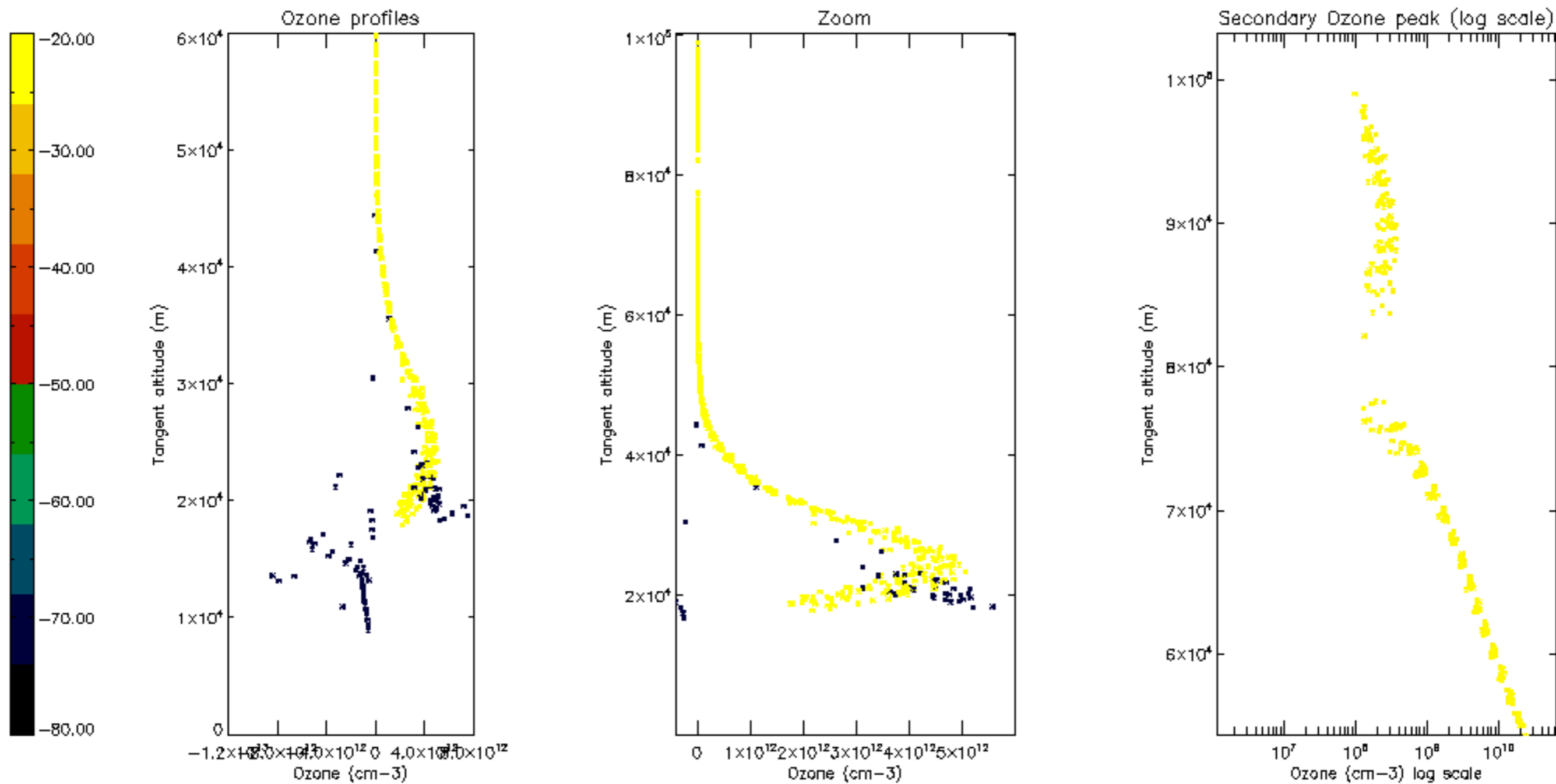


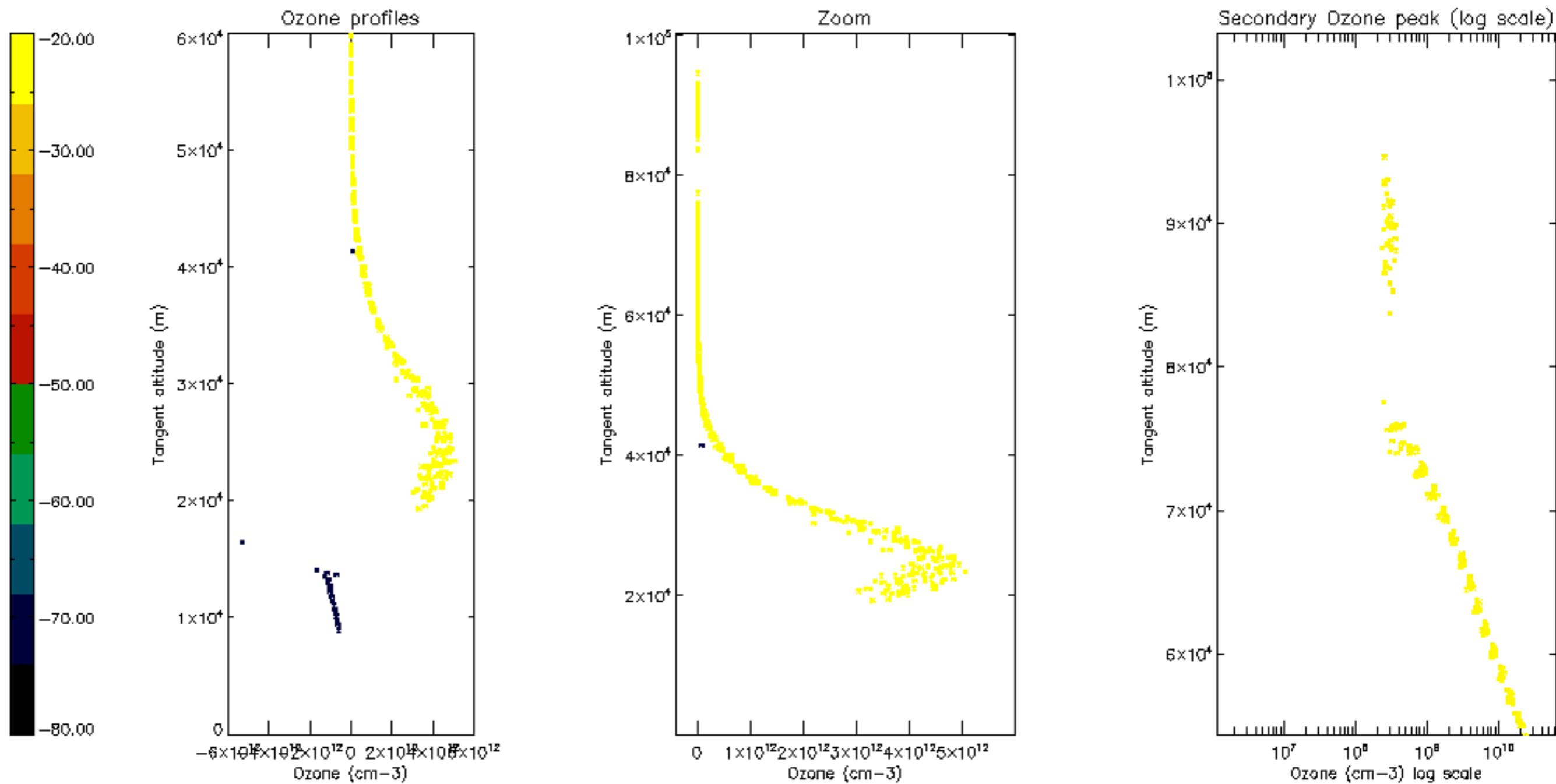
Percentage of saturation errors per profile

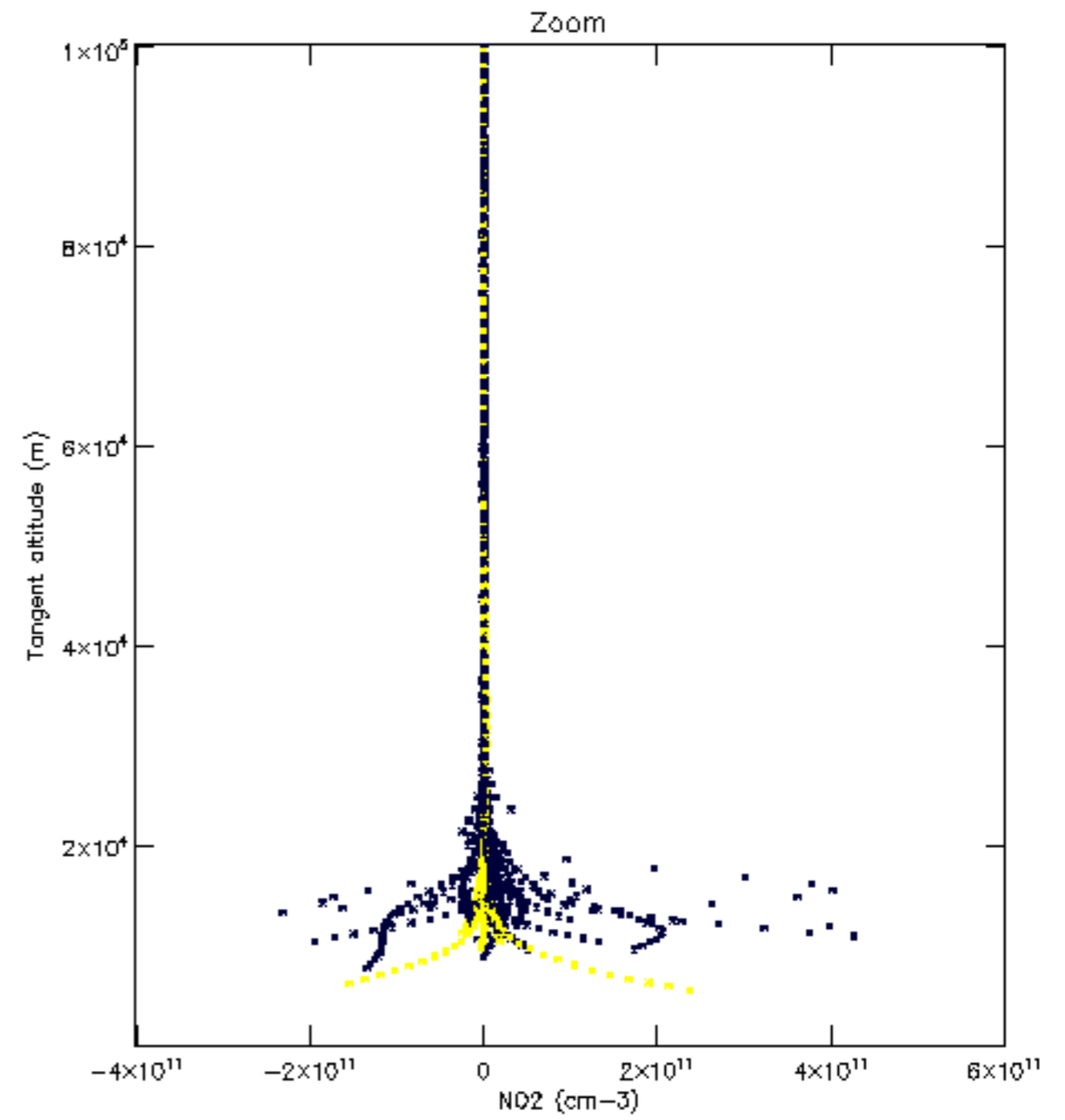
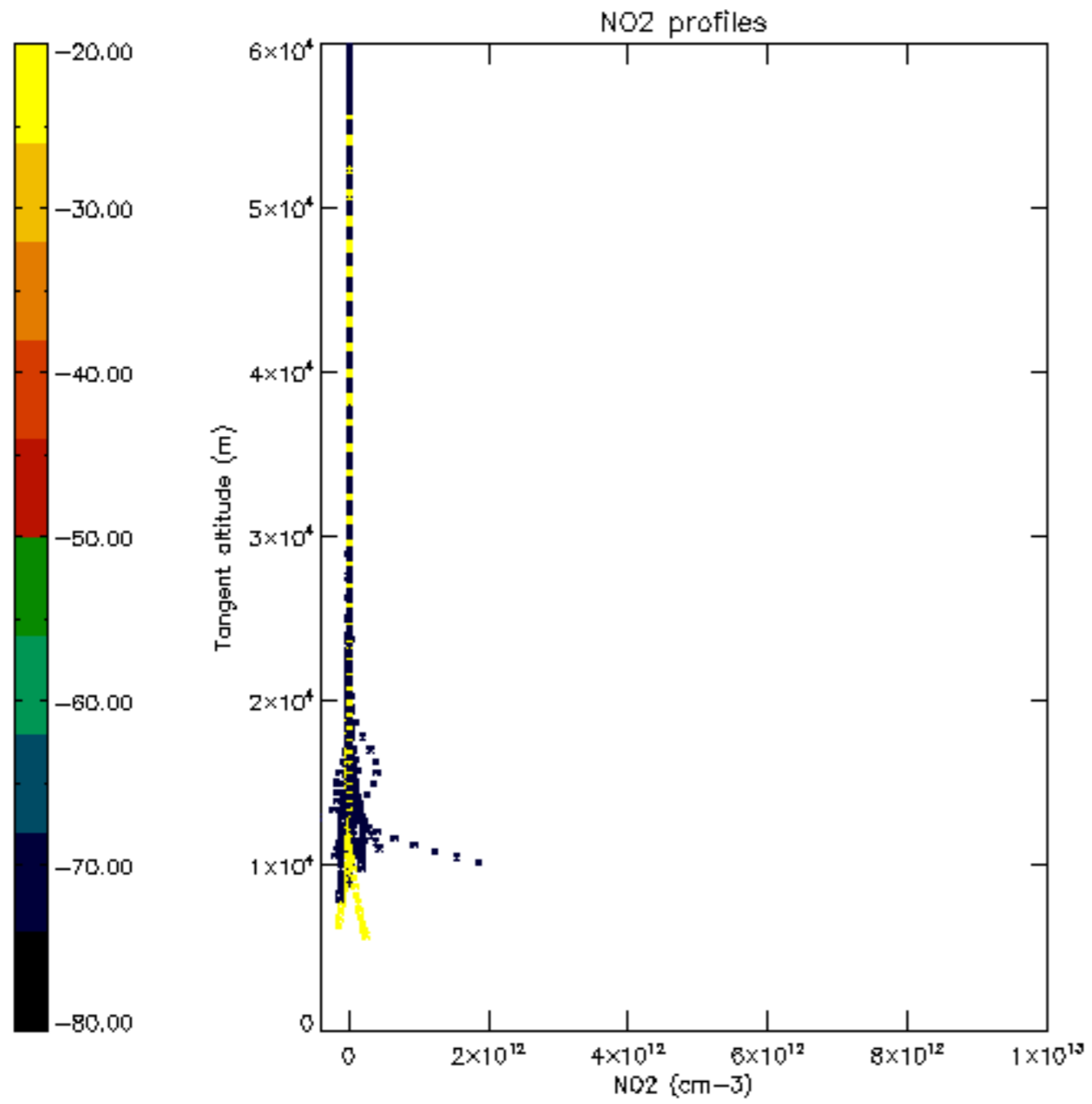


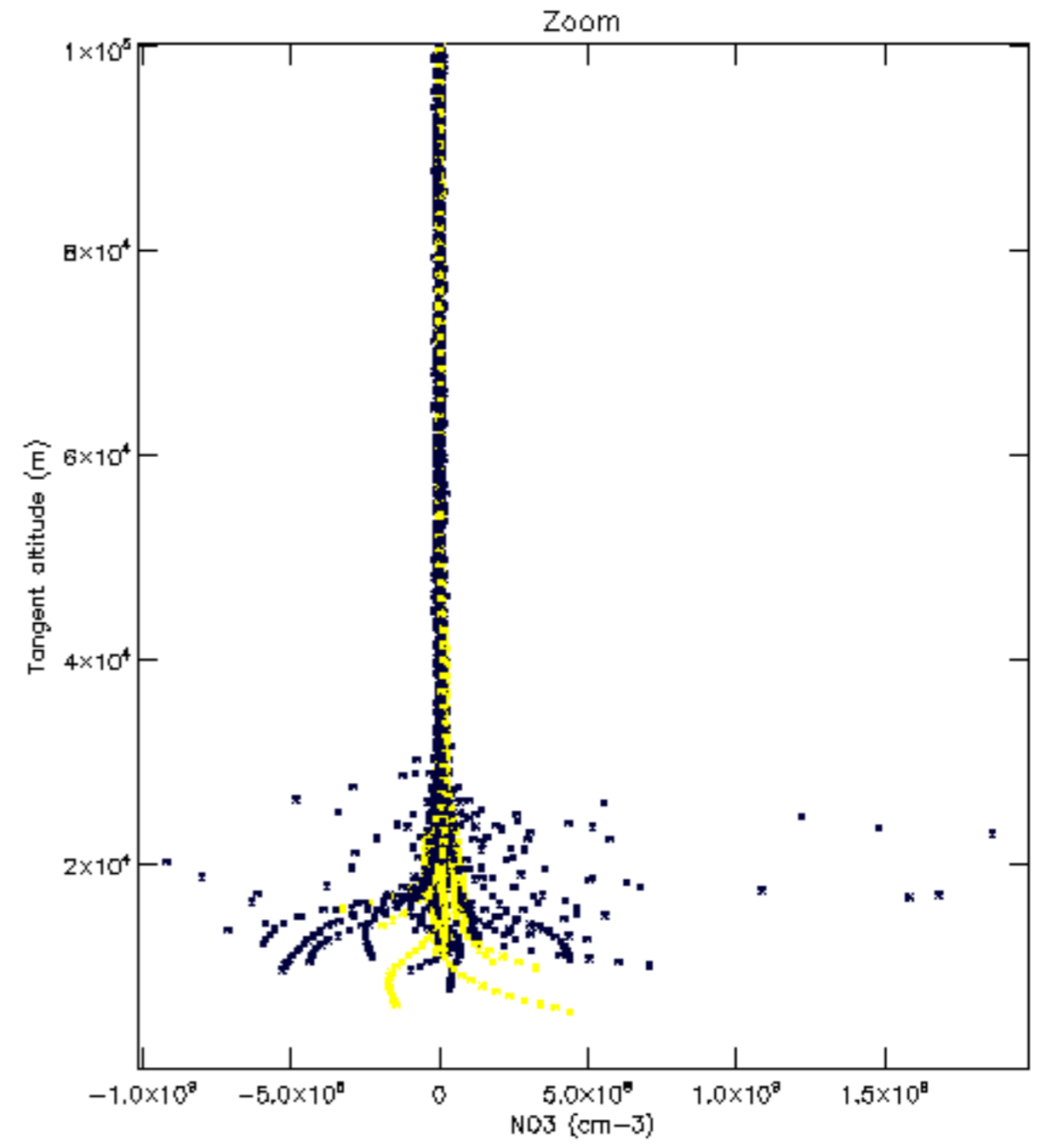
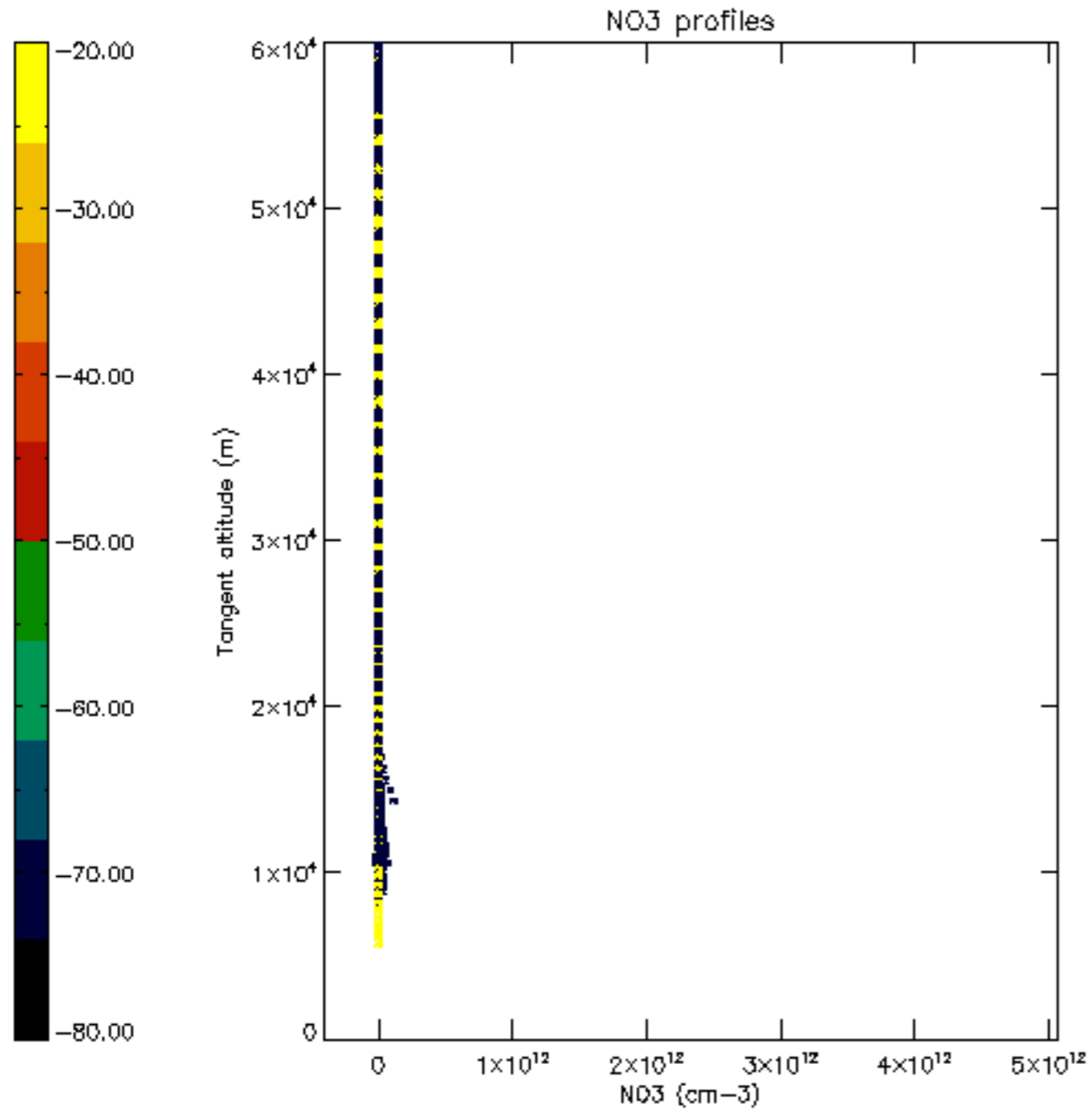


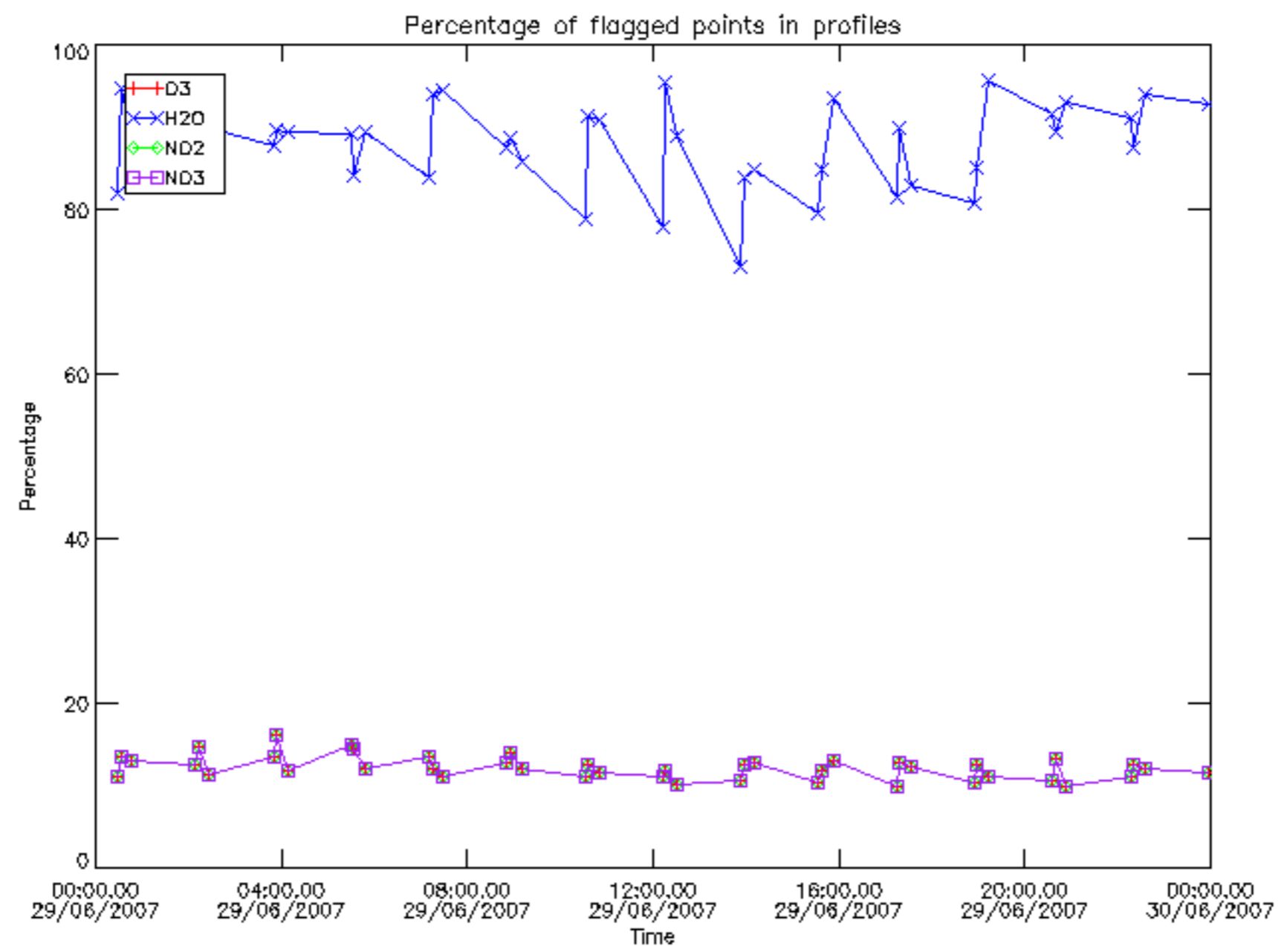




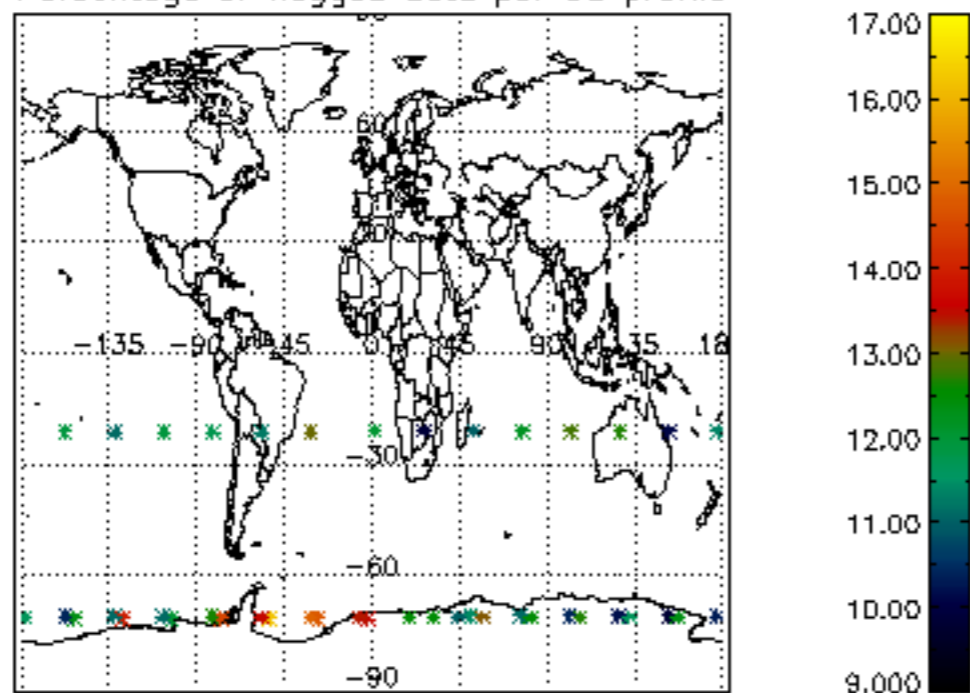




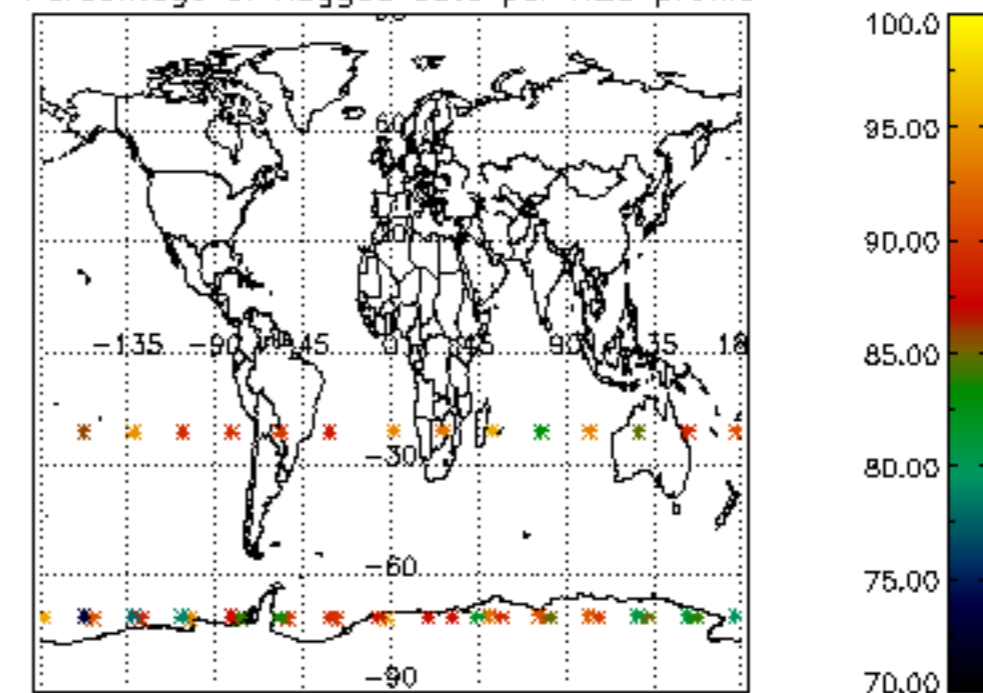




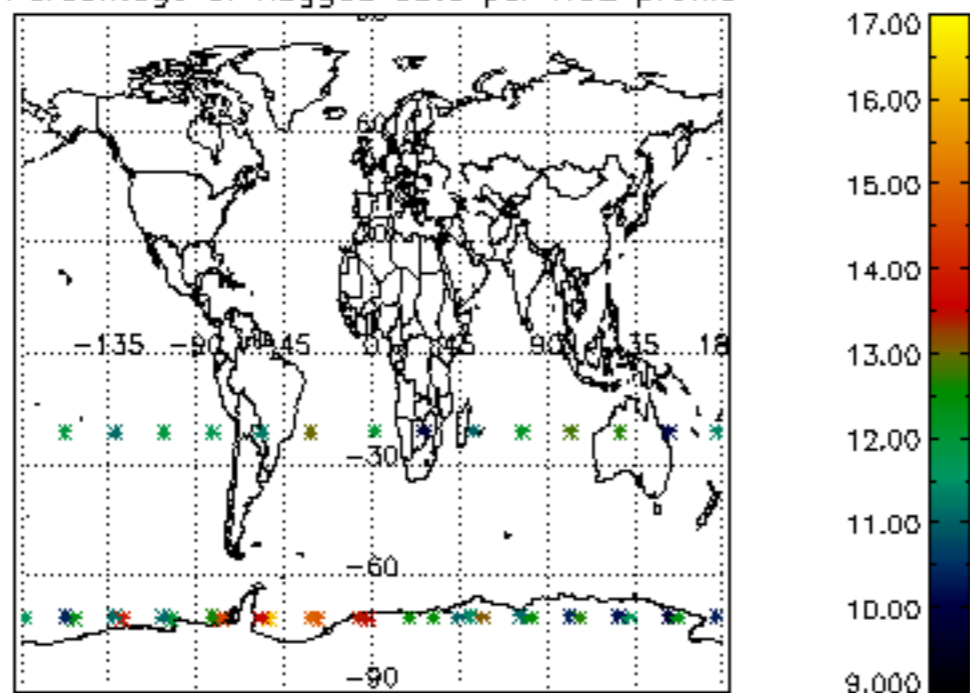
Percentage of flagged data per D3 profile



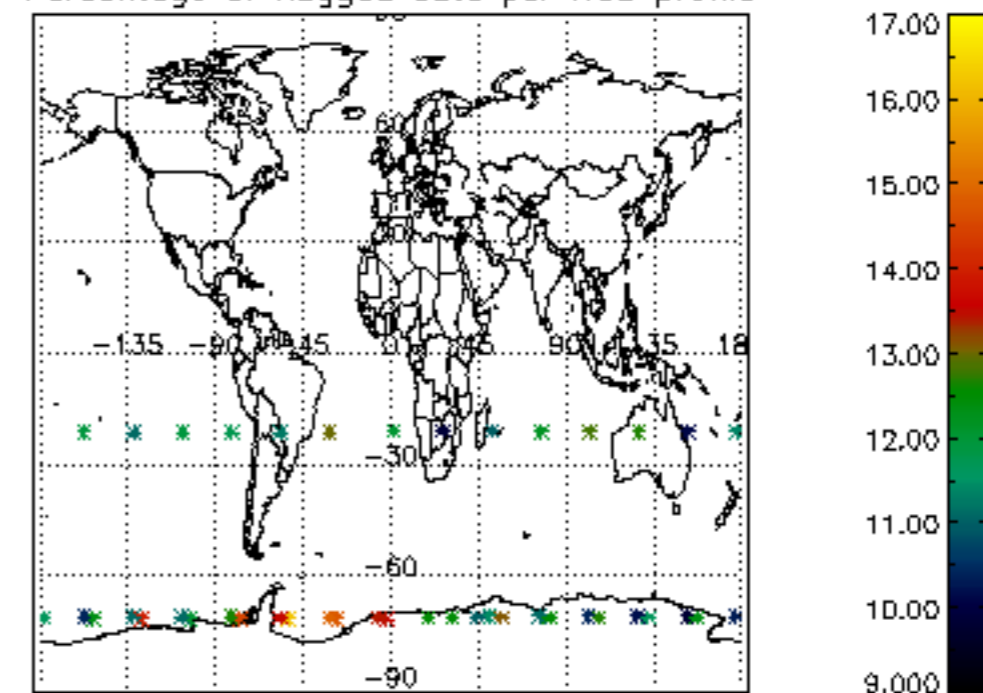
Percentage of flagged data per H2O profile

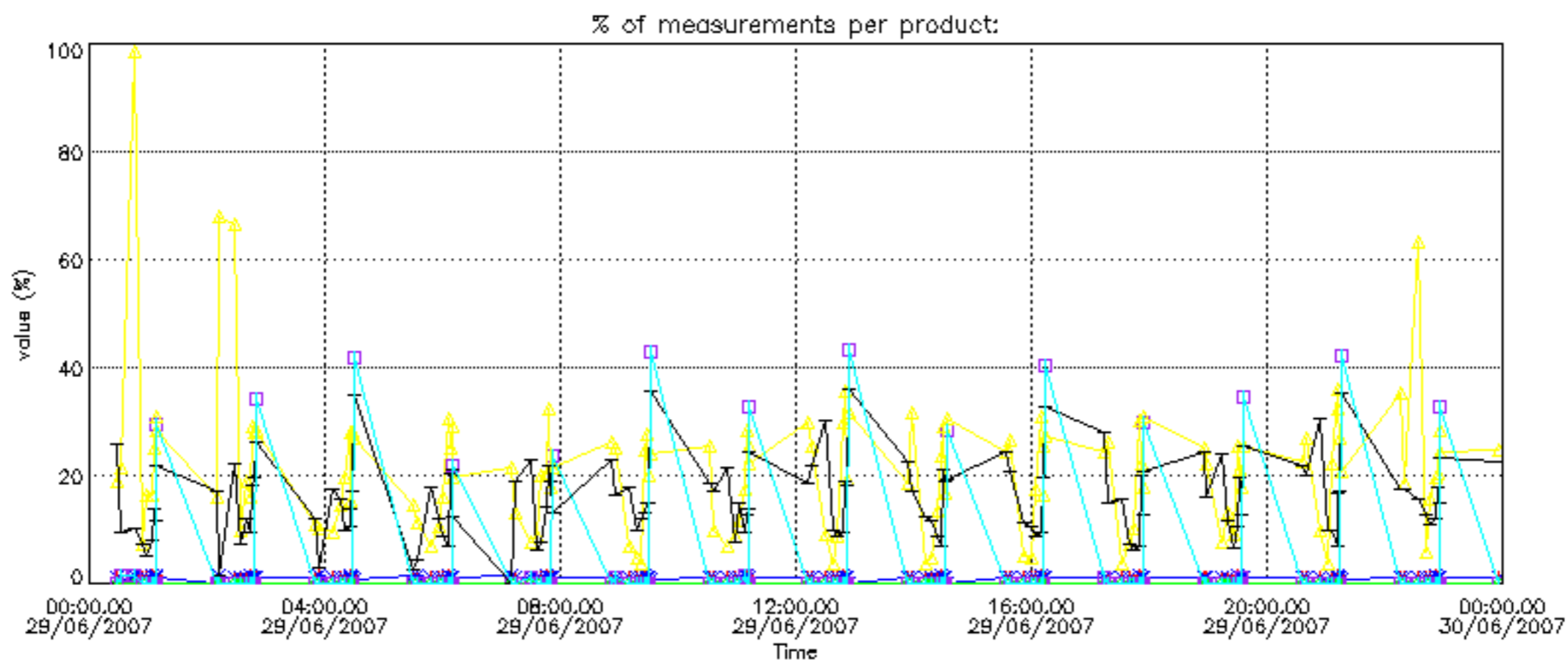


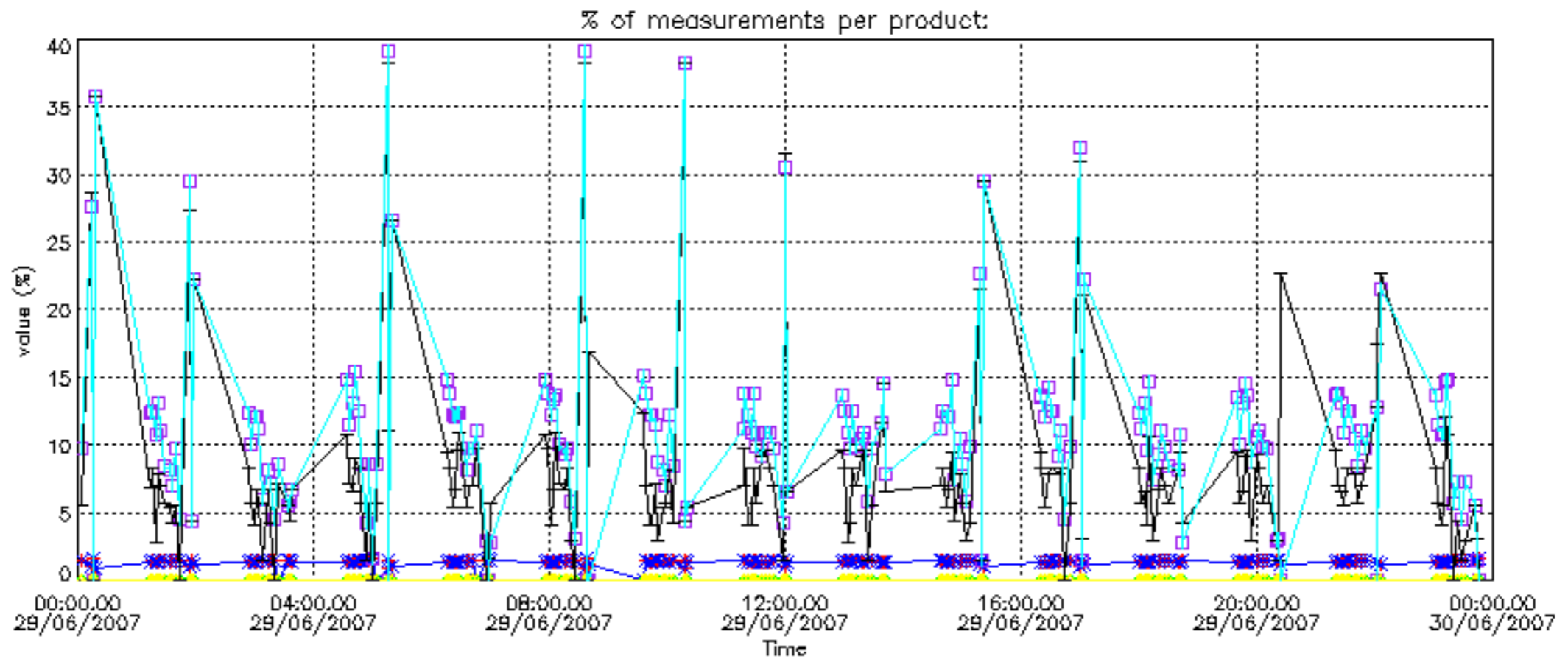
Percentage of flagged data per NO2 profile



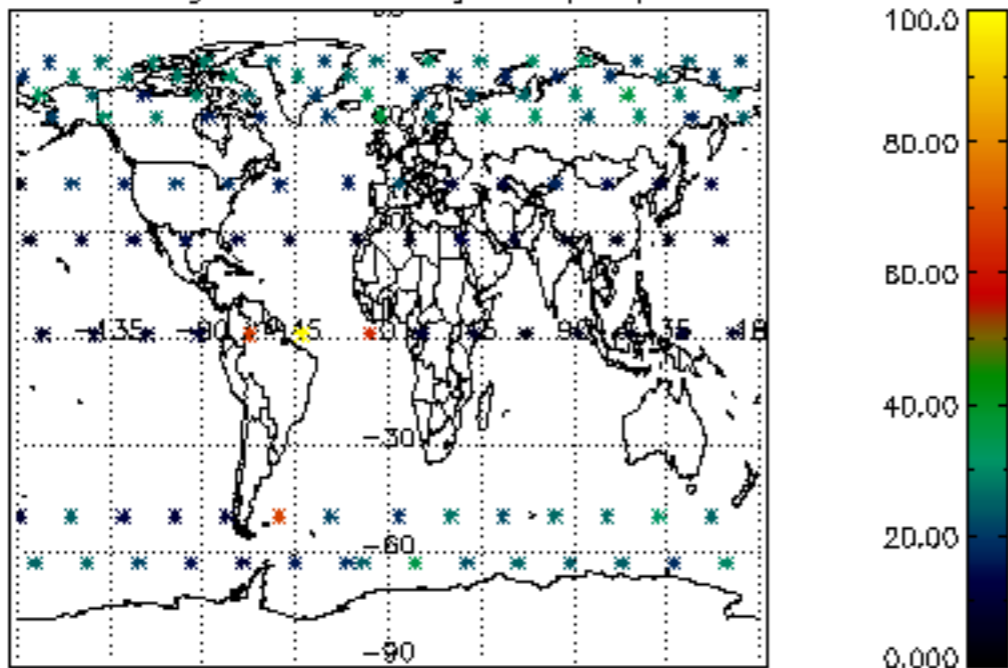
Percentage of flagged data per NO3 profile



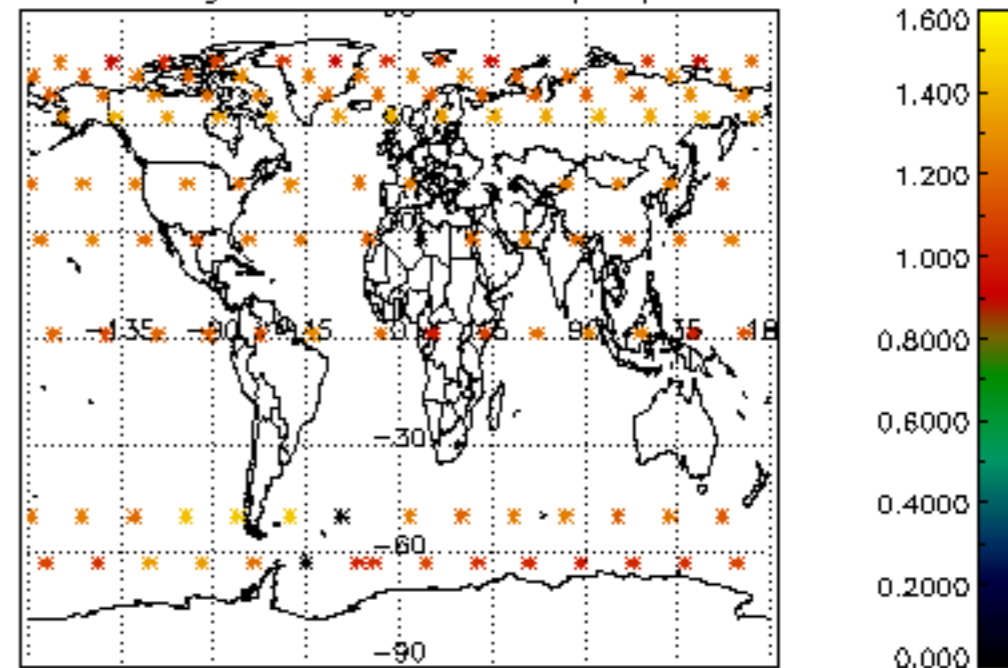




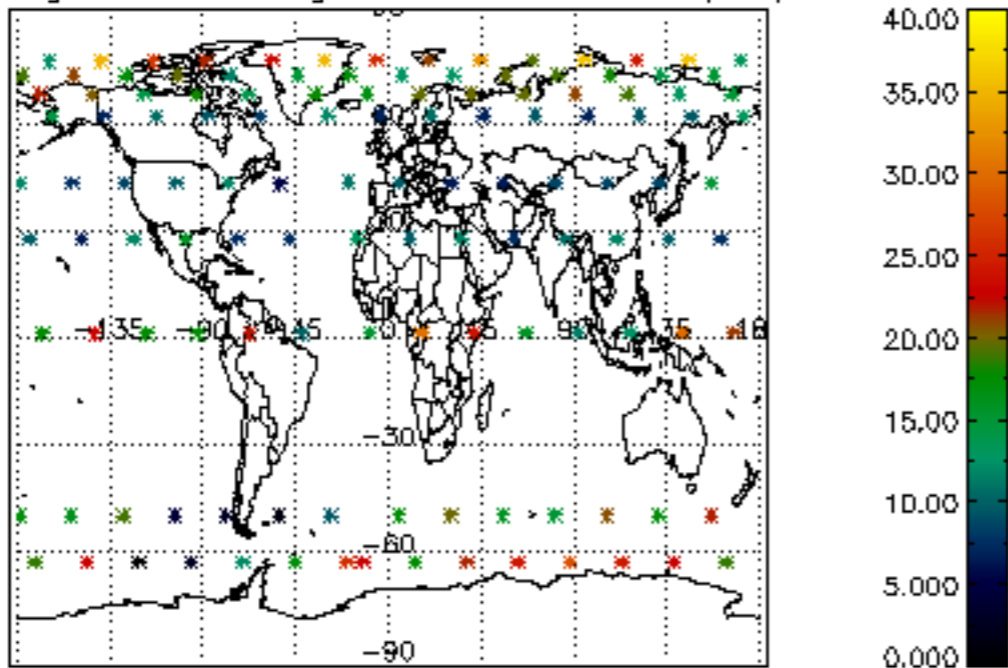
Percentage of cosmic ray hits per profile



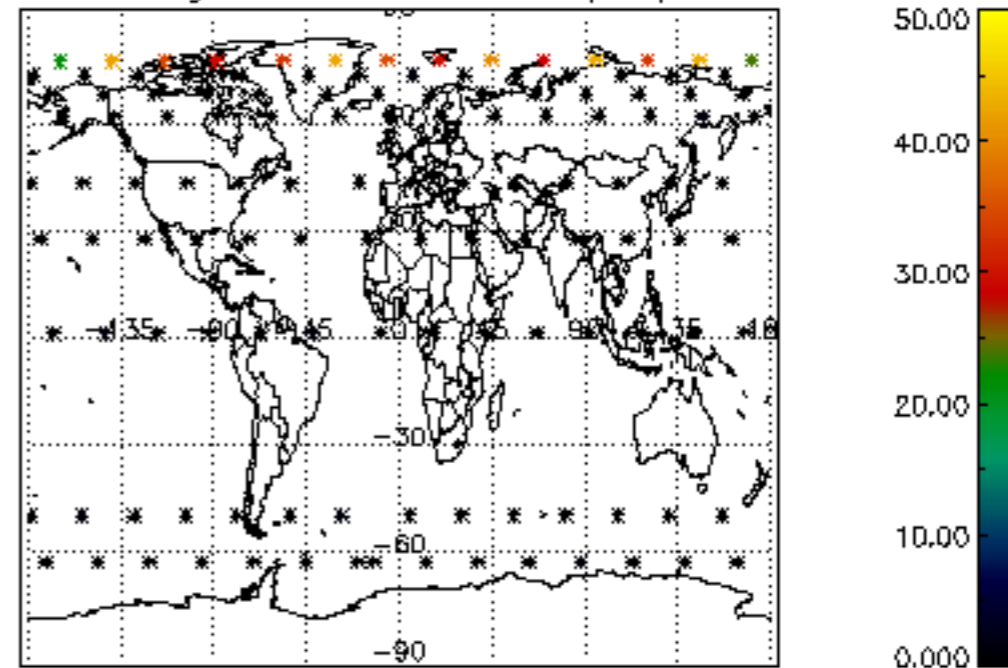
Percentage of datation errors per profile



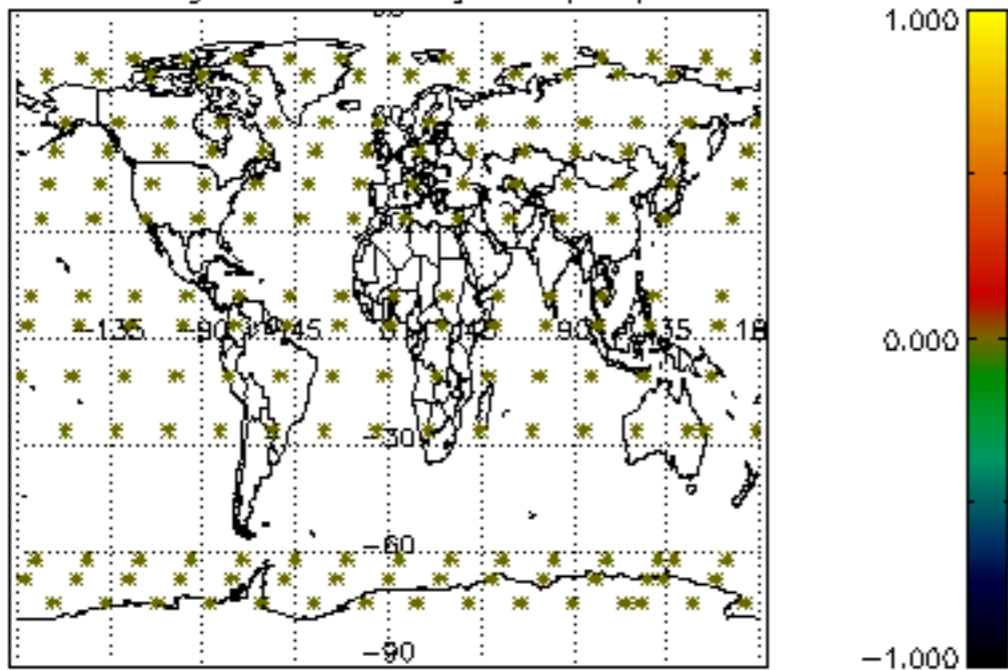
Percentage of star falling outside central band per profile



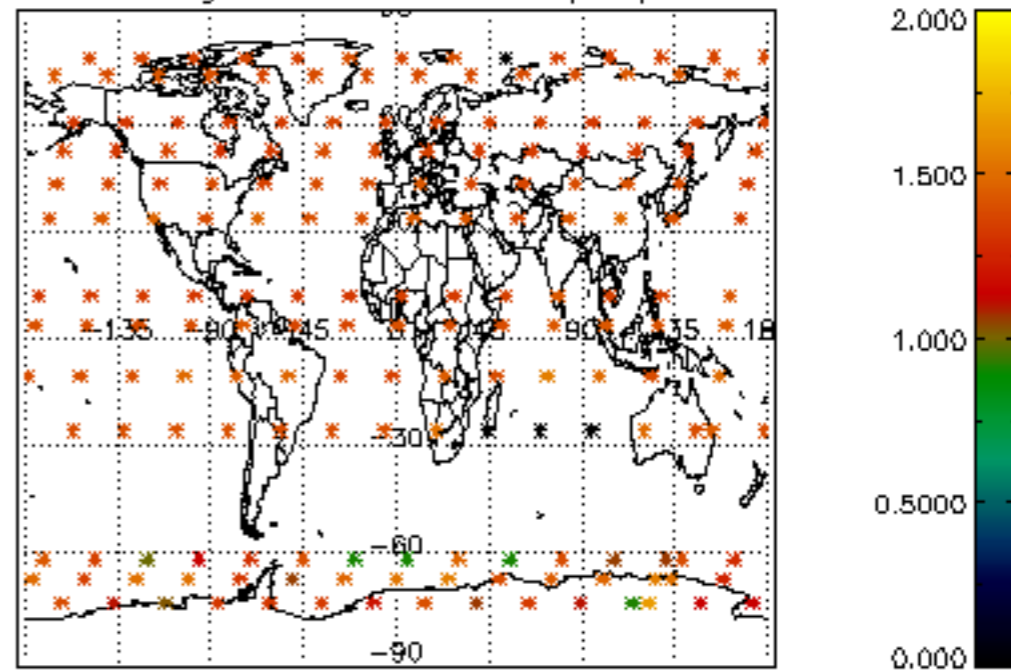
Percentage of saturation errors per profile



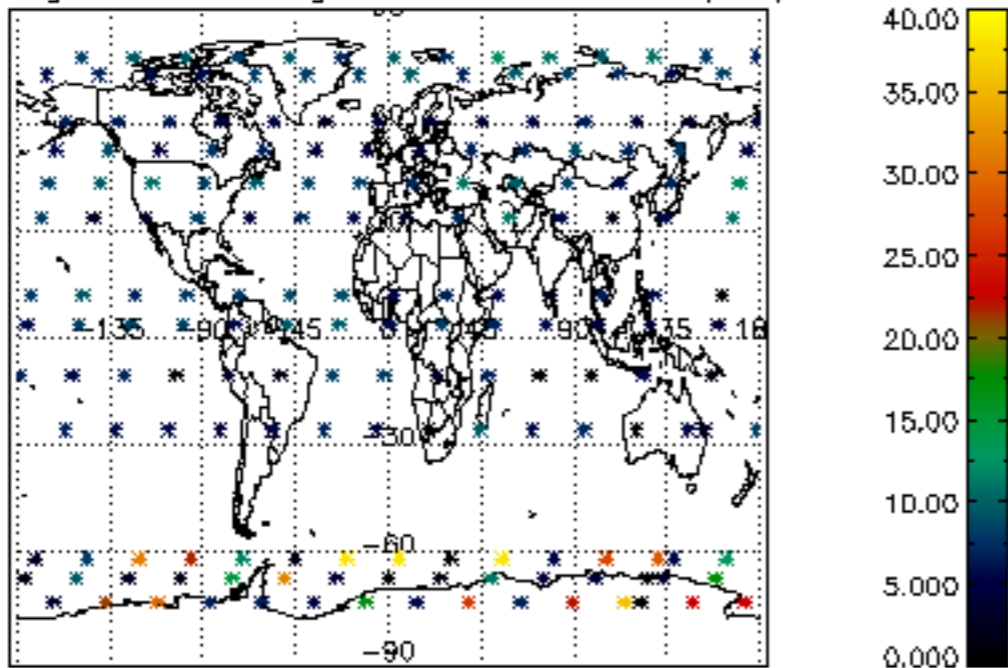
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

