

# 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	29APR2013 12:12:04
Data source version	GOMOS/6.01
Start time of products	21-06-2010 (21JUN2010 00:00:00)
Stop time of products	22-06-2010 (22JUN2010 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	303
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__2PRFIN20100621_000025_000000382090_00288_43428_5627.N1	21-JUN-2010 00:00:25	Bright	37.500	119	14Eta Dra	2.7270	4700.0	75	43428	No
2	GOM_NL__2PRFIN20100621_000835_000000472090_00288_43428_5628.N1	21-JUN-2010 00:08:35	Bright	46.500	89	5Alp Cep	2.4510	8000.0	93	43428	No
3	GOM_NL__2PRFIN20100621_001523_000000472090_00288_43428_5629.N1	21-JUN-2010 00:15:23	Bright	46.500	74	11Bet Cas	2.2680	6600.0	93	43428	No
4	GOM_NL__2PRFIN20100621_001652_000000632090_00288_43428_5630.N1	21-JUN-2010 00:16:52	Bright	63.000	68	18Alp Cas	2.2250	4500.0	126	43428	No
5	GOM_NL__2PRFIN20100621_001855_000000532090_00288_43428_5631.N1	21-JUN-2010 00:18:55	Bright	53.000	160	23Gam Per	2.9300	4700.0	106	43428	No
6	GOM_NL__2PRFIN20100621_002446_000000552090_00288_43428_5632.N1	21-JUN-2010 00:24:46	Twilight	55.000	53	43Bet And	2.0480	3300.0	110	43428	No
7	GOM_NL__2PRFIN20100621_002828_000000502090_00288_43428_5633.N1	21-JUN-2010 00:28:28	Twilight	50.000	50	13Alp Ari	2.0070	4250.0	100	43428	No
8	GOM_NL__2PRFIN20100621_004514_000000612090_00288_43428_5634.N1	21-JUN-2010 00:45:14	Dark	60.500	52	16Bet Cet	2.0370	4500.0	121	43428	No
9	GOM_NL__2PRFIN20100621_005105_000000502090_00288_43428_5635.N1	21-JUN-2010 00:51:05	Dark	50.000	84	Alp Phe	2.3970	4500.0	100	43428	No
10	GOM_NL__2PRFIN20100621_005729_000000522090_00289_43429_5624.N1	21-JUN-2010 00:57:29	Dark	52.000	63	Bet Gru	2.1500	2800.0	104	43429	No
11	GOM_NL__2PRFIN20100621_005932_000000492090_00289_43429_5625.N1	21-JUN-2010 00:59:32	Straylight	48.500	31	Alp Gru	1.7340	15200.	97	43429	No
12	GOM_NL__2PRFIN20100621_010255_000000422090_00289_43429_5626.N1	21-JUN-2010 01:02:55	Straylight	42.000	45	Alp Pav	1.9400	26000.	84	43429	No
13	GOM_NL__2PRFIN20100621_011217_000000452090_00289_43429_5627.N1	21-JUN-2010 01:12:17	Twilight	45.000	38	20Eps Sgr	1.8360	11000.	90	43429	No
14	GOM_NL__2PRFIN20100621_011344_000000522090_00289_43429_5628.N1	21-JUN-2010 01:13:44	Twilight	51.500	116	19Del Sgr	2.7000	4100.0	103	43429	No
15	GOM_NL__2PRFIN20100621_011501_000000472090_00289_43429_5629.N1	21-JUN-2010 01:15:01	Bright	46.500	137	22Lam Sgr	2.8240	4400.0	93	43429	No
16	GOM_NL__2PRFIN20100621_011849_000000392090_00289_43429_5630.N1	21-JUN-2010 01:18:49	Bright	38.500	86	35Eta Oph	2.4300	10200.	77	43429	No
17	GOM_NL__2PRFIN20100621_012500_000000412090_00289_43429_5631.N1	21-JUN-2010 01:25:00	Bright	41.000	126	60Bet Oph	2.7700	4250.0	82	43429	No
18	GOM_NL__2PRFIN20100621_012727_000000422090_00289_43429_5632.N1	21-JUN-2010 01:27:27	Bright	41.500	59	55Alp Oph	2.0800	8900.0	83	43429	No
19	GOM_NL__2PRFIN20100621_013236_000000382090_00289_43429_5633.N1	21-JUN-2010 01:32:36	Bright	37.500	133	40Zet Her	2.8070	6000.0	75	43429	No
20	GOM_NL__2PRFIN20100621_013910_000000382090_00289_43429_5634.N1	21-JUN-2010 01:39:10	Bright	38.000	130	23Bet Dra	2.7990	5800.0	76	43429	No
21	GOM_NL__2PRFIN20100621_014101_000000352090_00289_43429_5635.N1	21-JUN-2010 01:41:01	Bright	34.500	119	14Eta Dra	2.7270	4700.0	69	43429	No
22	GOM_NL__2PRFIN20100621_014910_000000482090_00289_43429_5636.N1	21-JUN-2010 01:49:10	Bright	48.000	89	5Alp Cep	2.4510	8000.0	96	43429	No
23	GOM_NL__2PRFIN20100621_015558_000000452090_00289_43429_5637.N1	21-JUN-2010 01:55:58	Bright	44.500	74	11Bet Cas	2.2680	6600.0	89	43429	No
24	GOM_NL__2PRFIN20100621_015727_000000472090_00289_43429_5638.N1	21-JUN-2010 01:57:27	Bright	46.500	68	18Alp Cas	2.2250	4500.0	93	43429	No
25	GOM_NL__2PRFIN20100621_015931_000000352090_00289_43429_5639.N1	21-JUN-2010 01:59:31	Bright	34.500	160	23Gam Per	2.9300	4700.0	69	43429	No
26	GOM_NL__2PRFIN20100621_020522_000000552090_00289_43429_5640.N1	21-JUN-2010 02:05:22	Twilight	55.000	53	43Bet And	2.0480	3300.0	110	43429	No
27	GOM_NL__2PRFIN20100621_020904_000000462090_00289_43429_5641.N1	21-JUN-2010 02:09:04	Twilight	46.000	50	13Alp Ari	2.0070	4250.0	92	43429	No
28	GOM_NL__2PRFIN20100621_022551_000000592090_00289_43429_5642.N1	21-JUN-2010 02:25:51	Dark	58.500	52	16Bet Cet	2.0370	4500.0	117	43429	No
29	GOM_NL__2PRFIN20100621_023142_000000452090_00289_43429_5643.N1	21-JUN-2010 02:31:42	Dark	44.500	84	Alp Phe	2.3970	4500.0	89	43429	No
30	GOM_NL__2PRFIN20100621_023806_000000522090_00290_43430_5632.N1	21-JUN-2010 02:38:06	Dark	52.000	63	Bet Gru	2.1500	2800.0	104	43430	No
31	GOM_NL__2PRFIN20100621_024009_000000502090_00290_43430_5633.N1	21-JUN-2010 02:40:09	Straylight	50.000	31	Alp Gru	1.7340	15200.	100	43430	No
32	GOM_NL__2PRFIN20100621_024331_000000442090_00290_43430_5634.N1	21-JUN-2010 02:43:31	Straylight	43.500	45	Alp Pav	1.9400	26000.	87	43430	No
33	GOM_NL__2PRFIN20100621_025254_000000482090_00290_43430_5635.N1	21-JUN-2010 02:52:54	Twilight	47.500	38	20Eps Sgr	1.8360	11000.	95	43430	No
34	GOM_NL__2PRFIN20100621_025420_000000542090_00290_43430_5636.N1	21-JUN-2010 02:54:20	Twilight	54.000	116	19Del Sgr	2.7000	4100.0	108	43430	No
35	GOM_NL__2PRFIN20100621_025537_000000482090_00290_43430_5637.N1	21-JUN-2010 02:55:37	Bright	48.000	137	22Lam Sgr	2.8240	4400.0	96	43430	No
36	GOM_NL__2PRFIN20100621_025925_000000392090_00290_43430_5638.N1	21-JUN-2010 02:59:25	Bright	38.500	86	35Eta Oph	2.4300	10200.	77	43430	No
37	GOM_NL__2PRFIN20100621_030536_000000422090_00290_43430_5639.N1	21-JUN-2010 03:05:36	Bright	41.500	126	60Bet Oph	2.7700	4250.0	83	43430	No
38	GOM_NL__2PRFIN20100621_030803_000000422090_00290_43430_5640.N1	21-JUN-2010 03:08:03	Bright	42.000	59	55Alp Oph	2.0800	8900.0	84	43430	No
39	GOM_NL__2PRFIN20100621_031312_000000372090_00290_43430_5641.N1	21-JUN-2010 03:13:12	Bright	36.500	133	40Zet Her	2.8070	6000.0	73	43430	No
40	GOM_NL__2PRFIN20100621_031945_000000402090_00290_43430_5642.N1	21-JUN-2010 03:19:45	Bright	39.500	130	23Bet Dra	2.7990	5800.0	79	43430	No
41	GOM_NL__2PRFIN20100621_032137_000000352090_00290_43430_5643.N1	21-JUN-2010 03:21:37	Bright	34.500	119	14Eta Dra	2.7270	4700.0	69	43430	No
42	GOM_NL__2PRFIN20100621_032945_000000492090_00290_43430_5644.N1	21-JUN-2010 03:29:45	Bright	48.500	89	5Alp Cep	2.4510	8000.0	97	43430	No

43	GOM_NL__2PRFIN20100621_033633_000000482090_00290_43430_5645.N1	21-JUN-2010 03:36:33	Bright	47.500	74	11Bet Cas	2.2680	6600.0	95	43430	No
44	GOM_NL__2PRFIN20100621_033803_000000462090_00290_43430_5646.N1	21-JUN-2010 03:38:03	Bright	46.000	68	18Alp Cas	2.2250	4500.0	92	43430	No
45	GOM_NL__2PRFIN20100621_034007_000000482090_00290_43430_5647.N1	21-JUN-2010 03:40:07	Bright	48.000	160	23Gam Per	2.9300	4700.0	96	43430	No
46	GOM_NL__2PRFIN20100621_034333_000000442090_00290_43430_5648.N1	21-JUN-2010 03:43:33	Bright	43.500	73	57Gam1And	2.2600	13100.	87	43430	No
47	GOM_NL__2PRFIN20100621_034558_000000482090_00290_43430_5649.N1	21-JUN-2010 03:45:58	Twi_and_stray	48.000	53	43Bet And	2.0480	3300.0	96	43430	No
48	GOM_NL__2PRFIN20100621_034940_000000492090_00290_43430_5650.N1	21-JUN-2010 03:49:40	Twilight	49.000	50	13Alp Ari	2.0070	4250.0	98	43430	No
49	GOM_NL__2PRFIN20100621_040628_000000612090_00290_43430_5651.N1	21-JUN-2010 04:06:28	Dark	61.000	52	16Bet Cet	2.0370	4500.0	122	43430	No
50	GOM_NL__2PRFIN20100621_041219_000000452090_00290_43430_5652.N1	21-JUN-2010 04:12:19	Dark	45.000	84	Alp Phe	2.3970	4500.0	90	43430	No
51	GOM_NL__2PRFIN20100621_041843_000000542090_00291_43431_5640.N1	21-JUN-2010 04:18:43	Dark	54.000	63	Bet Gru	2.1500	2800.0	108	43431	No
52	GOM_NL__2PRFIN20100621_042046_000000502090_00291_43431_5641.N1	21-JUN-2010 04:20:46	Straylight	50.000	31	Alp Gru	1.7340	15200.	100	43431	No
53	GOM_NL__2PRFIN20100621_042408_000000442090_00291_43431_5642.N1	21-JUN-2010 04:24:08	Straylight	43.500	45	Alp Pav	1.9400	26000.	87	43431	No
54	GOM_NL__2PRFIN20100621_043330_000000462090_00291_43431_5643.N1	21-JUN-2010 04:33:30	Twi_and_stray	46.000	38	20Eps Sgr	1.8360	11000.	92	43431	No
55	GOM_NL__2PRFIN20100621_043457_000000492090_00291_43431_5644.N1	21-JUN-2010 04:34:57	Twi_and_stray	49.000	116	19Del Sgr	2.7000	4100.0	98	43431	No
56	GOM_NL__2PRFIN20100621_043613_000000492090_00291_43431_5645.N1	21-JUN-2010 04:36:13	Bright	48.500	137	22Lam Sgr	2.8240	4400.0	97	43431	No
57	GOM_NL__2PRFIN20100621_044001_000000392090_00291_43431_5646.N1	21-JUN-2010 04:40:01	Bright	38.500	86	35Eta Oph	2.4300	10200.	77	43431	No
58	GOM_NL__2PRFIN20100621_044612_000000432090_00291_43431_5647.N1	21-JUN-2010 04:46:12	Bright	43.000	126	60Bet Oph	2.7700	4250.0	86	43431	No
59	GOM_NL__2PRFIN20100621_044838_000000412090_00291_43431_5648.N1	21-JUN-2010 04:48:38	Bright	41.000	59	55Alp Oph	2.0800	8900.0	82	43431	No
60	GOM_NL__2PRFIN20100621_045348_000000372090_00291_43431_5649.N1	21-JUN-2010 04:53:48	Bright	36.500	133	40Zet Her	2.8070	6000.0	73	43431	No
61	GOM_NL__2PRFIN20100621_050021_000000422090_00291_43431_5650.N1	21-JUN-2010 05:00:21	Bright	41.500	130	23Bet Dra	2.7990	5800.0	83	43431	No
62	GOM_NL__2PRFIN20100621_050213_000000362090_00291_43431_5651.N1	21-JUN-2010 05:02:13	Bright	36.000	119	14Eta Dra	2.7270	4700.0	72	43431	No
63	GOM_NL__2PRFIN20100621_051021_000000482090_00291_43431_5652.N1	21-JUN-2010 05:10:21	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	43431	No
64	GOM_NL__2PRFIN20100621_051709_000000472090_00291_43431_5653.N1	21-JUN-2010 05:17:09	Bright	46.500	74	11Bet Cas	2.2680	6600.0	93	43431	No
65	GOM_NL__2PRFIN20100621_051839_000000652090_00291_43431_5654.N1	21-JUN-2010 05:18:39	Bright	65.000	68	18Alp Cas	2.2250	4500.0	130	43431	No
66	GOM_NL__2PRFIN20100621_052043_000000482090_00291_43431_5655.N1	21-JUN-2010 05:20:43	Bright	48.000	160	23Gam Per	2.9300	4700.0	96	43431	No
67	GOM_NL__2PRFIN20100621_052409_000000582090_00291_43431_5656.N1	21-JUN-2010 05:24:09	Bright	58.000	73	57Gam1And	2.2600	13100.	116	43431	No
68	GOM_NL__2PRFIN20100621_052634_000000482090_00291_43431_5657.N1	21-JUN-2010 05:26:34	Twi_and_stray	48.000	53	43Bet And	2.0480	3300.0	96	43431	No
69	GOM_NL__2PRFIN20100621_053016_000000512090_00291_43431_5658.N1	21-JUN-2010 05:30:16	Twilight	51.000	50	13Alp Ari	2.0070	4250.0	102	43431	No
70	GOM_NL__2PRFIN20100621_054706_000000622090_00291_43431_5659.N1	21-JUN-2010 05:47:06	Dark	61.500	52	16Bet Cet	2.0370	4500.0	123	43431	No
71	GOM_NL__2PRFIN20100621_055256_000000482090_00291_43431_5660.N1	21-JUN-2010 05:52:56	Dark	47.500	84	Alp Phe	2.3970	4500.0	95	43431	No
72	GOM_NL__2PRFIN20100621_055920_000000562090_00292_43432_5648.N1	21-JUN-2010 05:59:20	Dark	56.000	63	Bet Gru	2.1500	2800.0	112	43432	No
73	GOM_NL__2PRFIN20100621_060123_000000492090_00292_43432_5649.N1	21-JUN-2010 06:01:23	Straylight	49.000	31	Alp Gru	1.7340	15200.	98	43432	No
74	GOM_NL__2PRFIN20100621_060444_000000432090_00292_43432_5650.N1	21-JUN-2010 06:04:44	Straylight	42.500	45	Alp Pav	1.9400	26000.	85	43432	No
75	GOM_NL__2PRFIN20100621_061406_000000472090_00292_43432_5651.N1	21-JUN-2010 06:14:06	Twi_and_stray	46.500	38	20Eps Sgr	1.8360	11000.	93	43432	No
76	GOM_NL__2PRFIN20100621_061533_000000472090_00292_43432_5652.N1	21-JUN-2010 06:15:33	Twi_and_stray	47.000	116	19Del Sgr	2.7000	4100.0	94	43432	No
77	GOM_NL__2PRFIN20100621_061650_000000512090_00292_43432_5653.N1	21-JUN-2010 06:16:50	Bright	50.500	137	22Lam Sgr	2.8240	4400.0	101	43432	No
78	GOM_NL__2PRFIN20100621_062037_000000402090_00292_43432_5654.N1	21-JUN-2010 06:20:37	Bright	39.500	86	35Eta Oph	2.4300	10200.	79	43432	No
79	GOM_NL__2PRFIN20100621_062648_000000412090_00292_43432_5655.N1	21-JUN-2010 06:26:48	Bright	41.000	126	60Bet Oph	2.7700	4250.0	82	43432	No
80	GOM_NL__2PRFIN20100621_062914_000000392090_00292_43432_5656.N1	21-JUN-2010 06:29:14	Bright	39.000	59	55Alp Oph	2.0800	8900.0	78	43432	No
81	GOM_NL__2PRFIN20100621_063423_000000362090_00292_43432_5657.N1	21-JUN-2010 06:34:23	Bright	36.000	133	40Zet Her	2.8070	6000.0	72	43432	No
82	GOM_NL__2PRFIN20100621_064056_000000412090_00292_43432_5658.N1	21-JUN-2010 06:40:56	Bright	41.000	130	23Bet Dra	2.7990	5800.0	82	43432	No
83	GOM_NL__2PRFIN20100621_064249_000000372090_00292_43432_5659.N1	21-JUN-2010 06:42:49	Bright	36.500	119	14Eta Dra	2.7270	4700.0	73	43432	No
84	GOM_NL__2PRFIN20100621_065056_000000482090_00292_43432_5660.N1	21-JUN-2010 06:50:56	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	43432	No
85	GOM_NL__2PRFIN20100621_065745_000000462090_00292_43432_5661.N1	21-JUN-2010 06:57:45	Bright	45.500	74	11Bet Cas	2.2680	6600.0	91	43432	No
86	GOM_NL__2PRFIN20100621_065914_000000462090_00292_43432_5662.N1	21-JUN-2010 06:59:14	Bright	45.500	68	18Alp Cas	2.2250	4500.0	91	43432	No
87	GOM_NL__2PRFIN20100621_070119_000000532090_00292_43432_5663.N1	21-JUN-2010 07:01:19	Bright	53.000	160	23Gam Per	2.9300	4700.0	106	43432	No
88	GOM_NL__2PRFIN20100621_070445_000000422090_00292_43432_5664.N1	21-JUN-2010 07:04:45	Bright	41.500	73	57Gam1And	2.2600	13100.	83	43432	No
89	GOM_NL__2PRFIN20100621_070709_000000402090_00292_43432_5665.N1	21-JUN-2010 07:07:09	Twi_and_stray	40.000	53	43Bet And	2.0480	3300.0	80	43432	No
90	GOM_NL__2PRFIN20100621_071053_000000472090_00292_43432_5666.N1	21-JUN-2010 07:10:53	Twilight	46.500	50	13Alp Ari	2.0070	4250.0	93	43432	No
91	GOM_NL__2PRFIN20100621_072743_000000622090_00292_43432_5667.N1	21-JUN-2010 07:27:43	Dark	61.500	52	16Bet Cet	2.0370	4500.0	123	43432	No
92	GOM_NL__2PRFIN20100621_073333_000000582090_00292_43432_5668.N1	21-JUN-2010 07:33:33	Dark	58.000	84	Alp Phe	2.3970	4500.0	116	43432	No
93	GOM_NL__2PRFIN20100621_073957_000000642090_00293_43433_5676.N1	21-JUN-2010 07:39:57	Dark	64.000	63	Bet Gru	2.1500	2800.0	128	43433	No
94	GOM_NL__2PRFIN20100621_074200_000000482090_00293_43433_5677.N1	21-JUN-2010 07:42:00	Straylight	48.000	31	Alp Gru	1.7340	15200.	96	43433	No
95	GOM_NL__2PRFIN20100621_074521_000000442090_00293_43433_5678.N1	21-JUN-2010 07:45:21	Straylight	44.000	45	Alp Pav	1.9400	26000.	88	43433	No
96	GOM_NL__2PRFIN20100621_075442_000000452090_00293_43433_5679.N1	21-JUN-2010 07:54:42	Twi_and_stray	45.000	38	20Eps Sgr	1.8360	11000.	90	43433	No
97	GOM_NL__2PRFIN20100621_075609_000000522090_00293_43433_5680.N1	21-JUN-2010 07:56:09	Twi_and_stray	52.000	116	19Del Sgr	2.7000	4100.0	104	43433	No
98	GOM_NL__2PRFIN20100621_075726_000000462090_00293_43433_5681.N1	21-JUN-2010 07:57:26	Bright	45.500	137	22Lam Sgr	2.8240	4400.0	91	43433	No
99	GOM_NL__2PRFIN20100621_080114_000000392090_00293_43433_5682.N1	21-JUN-2010 08:01:14	Bright	39.000	86	35Eta Oph	2.4300	10200.	78	43433	No
100	GOM_NL__2PRFIN20100621_080724_000000412090_00293_43433_5683.N1	21-JUN-2010 08:07:24	Bright	40.500	126	60Bet Oph	2.7700	4250.0	81	43433	No
101	GOM_NL__2PRFIN20100621_080950_000000392090_00293_43433_5684.N1	21-JUN-2010 08:09:50	Bright	39.000	59	55Alp Oph	2.0800	8900.0	78	43433	No

102	GOM_NL__2PRFIN20100621_081459_000000362090_00293_43433_5685.N1	21-JUN-2010 08:14:59	Bright	35.500	133	40Zet Her	2.8070	6000.0	71	43433	No
103	GOM_NL__2PRFIN20100621_082132_000000422090_00293_43433_5686.N1	21-JUN-2010 08:21:32	Bright	41.500	130	23Bet Dra	2.7990	5800.0	83	43433	No
104	GOM_NL__2PRFIN20100621_082325_000000362090_00293_43433_5687.N1	21-JUN-2010 08:23:25	Bright	35.500	119	14Eta Dra	2.7270	4700.0	71	43433	No
105	GOM_NL__2PRFIN20100621_083131_000000482090_00293_43433_5688.N1	21-JUN-2010 08:31:31	Bright	48.000	89	5Alp Cep	2.4510	8000.0	96	43433	No
106	GOM_NL__2PRFIN20100621_083820_000000462090_00293_43433_5689.N1	21-JUN-2010 08:38:20	Bright	46.000	74	11Bet Cas	2.2680	6600.0	92	43433	No
107	GOM_NL__2PRFIN20100621_083950_000000442090_00293_43433_5690.N1	21-JUN-2010 08:39:50	Bright	43.500	68	18Alp Cas	2.2250	4500.0	87	43433	No
108	GOM_NL__2PRFIN20100621_084155_000000532090_00293_43433_5691.N1	21-JUN-2010 08:41:55	Bright	53.000	160	23Gam Per	2.9300	4700.0	106	43433	No
109	GOM_NL__2PRFIN20100621_084521_000000442090_00293_43433_5692.N1	21-JUN-2010 08:45:21	Bright	44.000	73	57Gam1And	2.2600	13100.	88	43433	No
110	GOM_NL__2PRFIN20100621_084745_000000402090_00293_43433_5693.N1	21-JUN-2010 08:47:45	Twi_and_stray	40.000	53	43Bet And	2.0480	3300.0	80	43433	No
111	GOM_NL__2PRFIN20100621_085129_000000492090_00293_43433_5694.N1	21-JUN-2010 08:51:29	Twilight	48.500	50	13Alp Ari	2.0070	4250.0	97	43433	No
112	GOM_NL__2PRFIN20100621_090820_000000612090_00293_43433_5695.N1	21-JUN-2010 09:08:20	Dark	60.500	52	16Bet Cet	2.0370	4500.0	121	43433	No
113	GOM_NL__2PRFIN20100621_091409_000000482090_00293_43433_5696.N1	21-JUN-2010 09:14:09	Dark	48.000	84	Alp Phe	2.3970	4500.0	96	43433	No
114	GOM_NL__2PRFIN20100621_092034_000000602090_00294_43434_6300.N1	21-JUN-2010 09:20:34	Dark	59.500	63	Bet Gru	2.1500	2800.0	119	43434	No
115	GOM_NL__2PRFIN20100621_092237_000000482090_00294_43434_6301.N1	21-JUN-2010 09:22:37	Straylight	48.000	31	Alp Gru	1.7340	15200.	96	43434	No
116	GOM_NL__2PRFIN20100621_092557_000000422090_00294_43434_6302.N1	21-JUN-2010 09:25:57	Straylight	42.000	45	Alp Pav	1.9400	26000.	84	43434	No
117	GOM_NL__2PRFIN20100621_093519_000000452090_00294_43434_6303.N1	21-JUN-2010 09:35:19	Twi_and_stray	44.500	38	20Eps Sgr	1.8360	11000.	89	43434	No
118	GOM_NL__2PRFIN20100621_093645_000000482090_00294_43434_6304.N1	21-JUN-2010 09:36:45	Twi_and_stray	47.500	116	19Del Sgr	2.7000	4100.0	95	43434	No
119	GOM_NL__2PRFIN20100621_094149_000000382090_00294_43434_6305.N1	21-JUN-2010 09:41:49	Bright	38.000	86	35Eta Oph	2.4300	10200.	76	43434	No
120	GOM_NL__2PRFIN20100621_094759_000000412090_00294_43434_6306.N1	21-JUN-2010 09:47:59	Bright	40.500	126	60Bet Oph	2.7700	4250.0	81	43434	No
121	GOM_NL__2PRFIN20100621_095025_000000412090_00294_43434_6307.N1	21-JUN-2010 09:50:25	Bright	40.500	59	55Alp Oph	2.0800	8900.0	81	43434	No
122	GOM_NL__2PRFIN20100621_095535_000000382090_00294_43434_6308.N1	21-JUN-2010 09:55:35	Bright	37.500	133	40Zet Her	2.8070	6000.0	75	43434	No
123	GOM_NL__2PRFIN20100621_100024_000000292090_00294_43434_6309.N1	21-JUN-2010 10:00:24	Twi_and_stray	29.000	5	3Alp Lyr	0.033000	11000.	58	43434	No
124	GOM_NL__2PRFIN20100621_100208_000000382090_00294_43434_6310.N1	21-JUN-2010 10:02:08	Bright	38.000	130	23Bet Dra	2.7990	5800.0	76	43434	No
125	GOM_NL__2PRFIN20100621_100400_000000372090_00294_43434_6311.N1	21-JUN-2010 10:04:00	Bright	36.500	119	14Eta Dra	2.7270	4700.0	73	43434	No
126	GOM_NL__2PRFIN20100621_101206_000000492090_00294_43434_6312.N1	21-JUN-2010 10:12:06	Bright	49.000	89	5Alp Cep	2.4510	8000.0	98	43434	No
127	GOM_NL__2PRFIN20100621_101856_000000452090_00294_43434_6313.N1	21-JUN-2010 10:18:56	Bright	44.500	74	11Bet Cas	2.2680	6600.0	89	43434	No
128	GOM_NL__2PRFIN20100621_102026_000000472090_00294_43434_6314.N1	21-JUN-2010 10:20:26	Bright	46.500	68	18Alp Cas	2.2250	4500.0	93	43434	No
129	GOM_NL__2PRFIN20100621_102231_000000332090_00294_43434_6315.N1	21-JUN-2010 10:22:31	Bright	33.000	160	23Gam Per	2.9300	4700.0	66	43434	No
130	GOM_NL__2PRFIN20100621_102557_000000452090_00294_43434_6316.N1	21-JUN-2010 10:25:57	Bright	44.500	73	57Gam1And	2.2600	13100.	89	43434	No
131	GOM_NL__2PRFIN20100621_102821_000000332090_00294_43434_6317.N1	21-JUN-2010 10:28:21	Twi_and_stray	33.000	53	43Bet And	2.0480	3300.0	66	43434	No
132	GOM_NL__2PRFIN20100621_103205_000000512090_00294_43434_6318.N1	21-JUN-2010 10:32:05	Twilight	51.000	50	13Alp Ari	2.0070	4250.0	102	43434	No
133	GOM_NL__2PRFIN20100621_104857_000000632090_00294_43434_6319.N1	21-JUN-2010 10:48:57	Dark	63.000	52	16Bet Cet	2.0370	4500.0	126	43434	No
134	GOM_NL__2PRFIN20100621_105446_000000442090_00294_43434_6320.N1	21-JUN-2010 10:54:46	Dark	43.500	84	Alp Phe	2.3970	4500.0	87	43434	No
135	GOM_NL__2PRFIN20100621_110111_000000512090_00295_43435_6300.N1	21-JUN-2010 11:01:11	Dark	51.000	63	Bet Gru	2.1500	2800.0	102	43435	No
136	GOM_NL__2PRFIN20100621_110314_000000522090_00295_43435_6301.N1	21-JUN-2010 11:03:14	Straylight	51.500	31	Alp Gru	1.7340	15200.	103	43435	No
137	GOM_NL__2PRFIN20100621_110633_000000432090_00295_43435_6302.N1	21-JUN-2010 11:06:33	Straylight	42.500	45	Alp Pav	1.9400	26000.	85	43435	No
138	GOM_NL__2PRFIN20100621_111555_000000482090_00295_43435_6303.N1	21-JUN-2010 11:15:55	Twi_and_stray	47.500	38	20Eps Sgr	1.8360	11000.	95	43435	No
139	GOM_NL__2PRFIN20100621_111722_000000492090_00295_43435_6304.N1	21-JUN-2010 11:17:22	Twi_and_stray	49.000	116	19Del Sgr	2.7000	4100.0	98	43435	No
140	GOM_NL__2PRFIN20100621_112225_000000392090_00295_43435_6305.N1	21-JUN-2010 11:22:25	Bright	38.500	86	35Eta Oph	2.4300	10200.	77	43435	No
141	GOM_NL__2PRFIN20100621_112835_000000402090_00295_43435_6306.N1	21-JUN-2010 11:28:35	Bright	40.000	126	60Bet Oph	2.7700	4250.0	80	43435	No
142	GOM_NL__2PRFIN20100621_113101_000000402090_00295_43435_6307.N1	21-JUN-2010 11:31:01	Bright	39.500	59	55Alp Oph	2.0800	8900.0	79	43435	No
143	GOM_NL__2PRFIN20100621_113611_000000362090_00295_43435_6308.N1	21-JUN-2010 11:36:11	Bright	36.000	133	40Zet Her	2.8070	6000.0	72	43435	No
144	GOM_NL__2PRFIN20100621_114059_000000292090_00295_43435_6309.N1	21-JUN-2010 11:40:59	Twi_and_stray	29.000	5	3Alp Lyr	0.033000	11000.	58	43435	No
145	GOM_NL__2PRFIN20100621_114243_000000412090_00295_43435_6310.N1	21-JUN-2010 11:42:43	Bright	40.500	130	23Bet Dra	2.7990	5800.0	81	43435	No
146	GOM_NL__2PRFIN20100621_114436_000000382090_00295_43435_6311.N1	21-JUN-2010 11:44:36	Bright	37.500	119	14Eta Dra	2.7270	4700.0	75	43435	No
147	GOM_NL__2PRFIN20100621_115931_000000452090_00295_43435_6312.N1	21-JUN-2010 11:59:31	Bright	45.000	74	11Bet Cas	2.2680	6600.0	90	43435	No
148	GOM_NL__2PRFIN20100621_120101_000000452090_00295_43435_6313.N1	21-JUN-2010 12:01:01	Bright	45.000	68	18Alp Cas	2.2250	4500.0	90	43435	No
149	GOM_NL__2PRFIN20100621_120307_000000532090_00295_43435_6314.N1	21-JUN-2010 12:03:07	Bright	53.000	160	23Gam Per	2.9300	4700.0	106	43435	No
150	GOM_NL__2PRFIN20100621_120633_000000462090_00295_43435_6315.N1	21-JUN-2010 12:06:33	Bright	45.500	73	57Gam1And	2.2600	13100.	91	43435	No
151	GOM_NL__2PRFIN20100621_120858_000000332090_00295_43435_6316.N1	21-JUN-2010 12:08:58	Twi_and_stray	33.000	53	43Bet And	2.0480	3300.0	66	43435	No
152	GOM_NL__2PRFIN20100621_121241_000000562090_00295_43435_6317.N1	21-JUN-2010 12:12:41	Twilight	55.500	50	13Alp Ari	2.0070	4250.0	111	43435	No
153	GOM_NL__2PRFIN20100621_122934_000000662090_00295_43435_6318.N1	21-JUN-2010 12:29:34	Dark	65.500	52	16Bet Cet	2.0370	4500.0	131	43435	No
154	GOM_NL__2PRFIN20100621_123523_000000462090_00295_43435_6319.N1	21-JUN-2010 12:35:23	Dark	45.500	84	Alp Phe	2.3970	4500.0	91	43435	No
155	GOM_NL__2PRFIN20100621_124148_000000602090_00296_43436_6300.N1	21-JUN-2010 12:41:48	Dark	59.500	63	Bet Gru	2.1500	2800.0	119	43436	No
156	GOM_NL__2PRFIN20100621_124350_000000502090_00296_43436_6301.N1	21-JUN-2010 12:43:50	Straylight	50.000	31	Alp Gru	1.7340	15200.	100	43436	No
157	GOM_NL__2PRFIN20100621_124710_000000492090_00296_43436_6302.N1	21-JUN-2010 12:47:10	Straylight	49.000	45	Alp Pav	1.9400	26000.	98	43436	No
158	GOM_NL__2PRFIN20100621_125631_000000462090_00296_43436_6303.N1	21-JUN-2010 12:56:31	Twi_and_stray	45.500	38	20Eps Sgr	1.8360	11000.	91	43436	No
159	GOM_NL__2PRFIN20100621_125757_000000482090_00296_43436_6304.N1	21-JUN-2010 12:57:57	Twi_and_stray	47.500	116	19Del Sgr	2.7000	4100.0	95	43436	No
160	GOM_NL__2PRFIN20100621_130301_000000382090_00296_43436_6305.N1	21-JUN-2010 13:03:01	Bright	38.000	86	35Eta Oph	2.4300	10200.	76	43436	No

161	GOM_NL__2PRFIN20100621_130911_000000432090_00296_43436_6306.N1	21-JUN-2010 13:09:11	Bright	42.500	126	60Bet Oph	2.7700	4250.0	85	43436	No
162	GOM_NL__2PRFIN20100621_131137_000000432090_00296_43436_6307.N1	21-JUN-2010 13:11:37	Bright	43.000	59	55Alp Oph	2.0800	8900.0	86	43436	No
163	GOM_NL__2PRFIN20100621_131647_000000532090_00296_43436_6308.N1	21-JUN-2010 13:16:47	Bright	53.000	133	40Zet Her	2.8070	6000.0	106	43436	No
164	GOM_NL__2PRFIN20100621_132134_000000352090_00296_43436_6309.N1	21-JUN-2010 13:21:34	Bright	35.000	5	3Alp Lyr	0.033000	11000.	70	43436	No
165	GOM_NL__2PRFIN20100621_132319_000000412090_00296_43436_6310.N1	21-JUN-2010 13:23:19	Bright	41.000	130	23Bet Dra	2.7990	5800.0	82	43436	No
166	GOM_NL__2PRFIN20100621_132512_000000382090_00296_43436_6311.N1	21-JUN-2010 13:25:12	Bright	38.000	119	14Eta Dra	2.7270	4700.0	76	43436	No
167	GOM_NL__2PRFIN20100621_133317_000000462090_00296_43436_6312.N1	21-JUN-2010 13:33:17	Bright	45.500	89	5Alp Cep	2.4510	8000.0	91	43436	No
168	GOM_NL__2PRFIN20100621_134007_000000462090_00296_43436_6313.N1	21-JUN-2010 13:40:07	Bright	46.000	74	11Bet Cas	2.2680	6600.0	92	43436	No
169	GOM_NL__2PRFIN20100621_134137_000000472090_00296_43436_6314.N1	21-JUN-2010 13:41:37	Bright	46.500	68	18Alp Cas	2.2250	4500.0	93	43436	No
170	GOM_NL__2PRFIN20100621_134342_000000452090_00296_43436_6315.N1	21-JUN-2010 13:43:42	Bright	45.000	160	23Gam Per	2.9300	4700.0	90	43436	No
171	GOM_NL__2PRFIN20100621_134709_000000592090_00296_43436_6316.N1	21-JUN-2010 13:47:09	Bright	59.000	73	57Gam1And	2.2600	13100.	118	43436	No
172	GOM_NL__2PRFIN20100621_134934_000000252090_00296_43436_6317.N1	21-JUN-2010 13:49:34	Twilight	25.000	53	43Bet And	2.0480	3300.0	50	43436	No
173	GOM_NL__2PRFIN20100621_135317_000000512090_00296_43436_6318.N1	21-JUN-2010 13:53:17	Twilight	51.000	50	13Alp Ari	2.0070	4250.0	102	43436	No
174	GOM_NL__2PRFIN20100621_141011_000000612090_00296_43436_6319.N1	21-JUN-2010 14:10:11	Dark	61.000	52	16Bet Cet	2.0370	4500.0	122	43436	No
175	GOM_NL__2PRFIN20100621_141600_000000472090_00296_43436_6320.N1	21-JUN-2010 14:16:00	Dark	46.500	84	Alp Phe	2.3970	4500.0	93	43436	No
176	GOM_NL__2PRFIN20100621_142225_000000522090_00297_43437_6300.N1	21-JUN-2010 14:22:25	Dark	51.500	63	Bet Gru	2.1500	2800.0	103	43437	No
177	GOM_NL__2PRFIN20100621_142427_000000502090_00297_43437_6301.N1	21-JUN-2010 14:24:27	Straylight	50.000	31	Alp Gru	1.7340	15200.	100	43437	No
178	GOM_NL__2PRFIN20100621_142746_000000422090_00297_43437_6302.N1	21-JUN-2010 14:27:46	Straylight	41.500	45	Alp Pav	1.9400	26000.	83	43437	No
179	GOM_NL__2PRFIN20100621_143707_000000452090_00297_43437_6303.N1	21-JUN-2010 14:37:07	Twilight	45.000	38	20Eps Sgr	1.8360	11000.	90	43437	No
180	GOM_NL__2PRFIN20100621_143834_000000492090_00297_43437_6304.N1	21-JUN-2010 14:38:34	Twilight	48.500	116	19Del Sgr	2.7000	4100.0	97	43437	No
181	GOM_NL__2PRFIN20100621_144337_000000392090_00297_43437_6305.N1	21-JUN-2010 14:43:37	Bright	39.000	86	35Eta Oph	2.4300	10200.	78	43437	No
182	GOM_NL__2PRFIN20100621_144947_000000412090_00297_43437_6306.N1	21-JUN-2010 14:49:47	Bright	41.000	126	60Bet Oph	2.7700	4250.0	82	43437	No
183	GOM_NL__2PRFIN20100621_145212_000000592090_00297_43437_6307.N1	21-JUN-2010 14:52:12	Bright	59.000	59	55Alp Oph	2.0800	8900.0	118	43437	No
184	GOM_NL__2PRFIN20100621_145723_000000382090_00297_43437_6308.N1	21-JUN-2010 14:57:23	Bright	38.000	133	40Zet Her	2.8070	6000.0	76	43437	No
185	GOM_NL__2PRFIN20100621_150209_000000352090_00297_43437_6309.N1	21-JUN-2010 15:02:09	Bright	35.000	5	3Alp Lyr	0.033000	11000.	70	43437	No
186	GOM_NL__2PRFIN20100621_150354_000000402090_00297_43437_6310.N1	21-JUN-2010 15:03:54	Bright	39.500	130	23Bet Dra	2.7990	5800.0	79	43437	No
187	GOM_NL__2PRFIN20100621_150548_000000392090_00297_43437_6311.N1	21-JUN-2010 15:05:48	Bright	38.500	119	14Eta Dra	2.7270	4700.0	77	43437	No
188	GOM_NL__2PRFIN20100621_151352_000000492090_00297_43437_6312.N1	21-JUN-2010 15:13:52	Bright	48.500	89	5Alp Cep	2.4510	8000.0	97	43437	No
189	GOM_NL__2PRFIN20100621_152042_000000662090_00297_43437_6313.N1	21-JUN-2010 15:20:42	Bright	66.000	74	11Bet Cas	2.2680	6600.0	132	43437	No
190	GOM_NL__2PRFIN20100621_152212_000000452090_00297_43437_6314.N1	21-JUN-2010 15:22:12	Bright	45.000	68	18Alp Cas	2.2250	4500.0	90	43437	No
191	GOM_NL__2PRFIN20100621_152419_000000362090_00297_43437_6315.N1	21-JUN-2010 15:24:19	Bright	35.500	160	23Gam Per	2.9300	4700.0	71	43437	No
192	GOM_NL__2PRFIN20100621_152745_000000432090_00297_43437_6316.N1	21-JUN-2010 15:27:45	Bright	43.000	73	57Gam1And	2.2600	13100.	86	43437	No
193	GOM_NL__2PRFIN20100621_153009_000000252090_00297_43437_6317.N1	21-JUN-2010 15:30:09	Twilight	25.000	53	43Bet And	2.0480	3300.0	50	43437	No
194	GOM_NL__2PRFIN20100621_153354_000000532090_00297_43437_6318.N1	21-JUN-2010 15:33:54	Twilight	52.500	50	13Alp Ari	2.0070	4250.0	105	43437	No
195	GOM_NL__2PRFIN20100621_155049_000000622090_00297_43437_6319.N1	21-JUN-2010 15:50:49	Dark	62.000	52	16Bet Cet	2.0370	4500.0	124	43437	No
196	GOM_NL__2PRFIN20100621_155637_000000482090_00297_43437_6320.N1	21-JUN-2010 15:56:37	Dark	47.500	84	Alp Phe	2.3970	4500.0	95	43437	No
197	GOM_NL__2PRFIN20100621_160302_000000502090_00298_43438_6300.N1	21-JUN-2010 16:03:02	Dark	49.500	63	Bet Gru	2.1500	2800.0	99	43438	No
198	GOM_NL__2PRFIN20100621_160505_000000482090_00298_43438_6301.N1	21-JUN-2010 16:05:05	Straylight	48.000	31	Alp Gru	1.7340	15200.	96	43438	No
199	GOM_NL__2PRFIN20100621_160823_000000422090_00298_43438_6302.N1	21-JUN-2010 16:08:23	Straylight	42.000	45	Alp Pav	1.9400	26000.	84	43438	No
200	GOM_NL__2PRFIN20100621_161744_000000472090_00298_43438_6303.N1	21-JUN-2010 16:17:44	Twilight	46.500	38	20Eps Sgr	1.8360	11000.	93	43438	No
201	GOM_NL__2PRFIN20100621_161910_000000492090_00298_43438_6304.N1	21-JUN-2010 16:19:10	Twilight	49.000	116	19Del Sgr	2.7000	4100.0	98	43438	No
202	GOM_NL__2PRFIN20100621_162122_000000282090_00298_43438_6305.N1	21-JUN-2010 16:21:22	Twilight	28.000	155	41Pi Sgr	2.9000	6600.0	56	43438	No
203	GOM_NL__2PRFIN20100621_162413_000000392090_00298_43438_6306.N1	21-JUN-2010 16:24:13	Bright	38.500	86	35Eta Oph	2.4300	10200.	77	43438	No
204	GOM_NL__2PRFIN20100621_163022_000000402090_00298_43438_6307.N1	21-JUN-2010 16:30:22	Bright	40.000	126	60Bet Oph	2.7700	4250.0	80	43438	No
205	GOM_NL__2PRFIN20100621_163248_000000412090_00298_43438_6308.N1	21-JUN-2010 16:32:48	Bright	41.000	59	55Alp Oph	2.0800	8900.0	82	43438	No
206	GOM_NL__2PRFIN20100621_163758_000000392090_00298_43438_6309.N1	21-JUN-2010 16:37:58	Bright	38.500	133	40Zet Her	2.8070	6000.0	77	43438	No
207	GOM_NL__2PRFIN20100621_164245_000000412090_00298_43438_6310.N1	21-JUN-2010 16:42:45	Bright	41.000	5	3Alp Lyr	0.033000	11000.	82	43438	No
208	GOM_NL__2PRFIN20100621_164430_000000422090_00298_43438_6311.N1	21-JUN-2010 16:44:30	Bright	41.500	130	23Bet Dra	2.7990	5800.0	83	43438	No
209	GOM_NL__2PRFIN20100621_164624_000000382090_00298_43438_6312.N1	21-JUN-2010 16:46:24	Bright	38.000	119	14Eta Dra	2.7270	4700.0	76	43438	No
210	GOM_NL__2PRFIN20100621_165427_000000492090_00298_43438_6313.N1	21-JUN-2010 16:54:27	Bright	48.500	89	5Alp Cep	2.4510	8000.0	97	43438	No
211	GOM_NL__2PRFIN20100621_170118_000000472090_00298_43438_6314.N1	21-JUN-2010 17:01:18	Bright	47.000	74	11Bet Cas	2.2680	6600.0	94	43438	No
212	GOM_NL__2PRFIN20100621_170248_000000472090_00298_43438_6315.N1	21-JUN-2010 17:02:48	Bright	46.500	68	18Alp Cas	2.2250	4500.0	93	43438	No
213	GOM_NL__2PRFIN20100621_170454_000000372090_00298_43438_6316.N1	21-JUN-2010 17:04:54	Bright	36.500	160	23Gam Per	2.9300	4700.0	73	43438	No
214	GOM_NL__2PRFIN20100621_170821_000000462090_00298_43438_6317.N1	21-JUN-2010 17:08:21	Bright	46.000	73	57Gam1And	2.2600	13100.	92	43438	No
215	GOM_NL__2PRFIN20100621_171043_000000452090_00298_43438_6318.N1	21-JUN-2010 17:10:43	Twilight	44.500	173	4Bet Tri	3.0040	8900.0	89	43438	No
216	GOM_NL__2PRFIN20100621_171430_000000512090_00298_43438_6319.N1	21-JUN-2010 17:14:30	Twilight	50.500	50	13Alp Ari	2.0070	4250.0	101	43438	No
217	GOM_NL__2PRFIN20100621_173126_000000642090_00298_43438_6320.N1	21-JUN-2010 17:31:26	Dark	64.000	52	16Bet Cet	2.0370	4500.0	128	43438	No
218	GOM_NL__2PRFIN20100621_173713_000000442090_00298_43438_6321.N1	21-JUN-2010 17:37:13	Dark	44.000	84	Alp Phe	2.3970	4500.0	88	43438	No
219	GOM_NL__2PRFIN20100621_174339_000000492090_00299_43439_6300.N1	21-JUN-2010 17:43:39	Dark	49.000	63	Bet Gru	2.1500	2800.0	98	43439	No

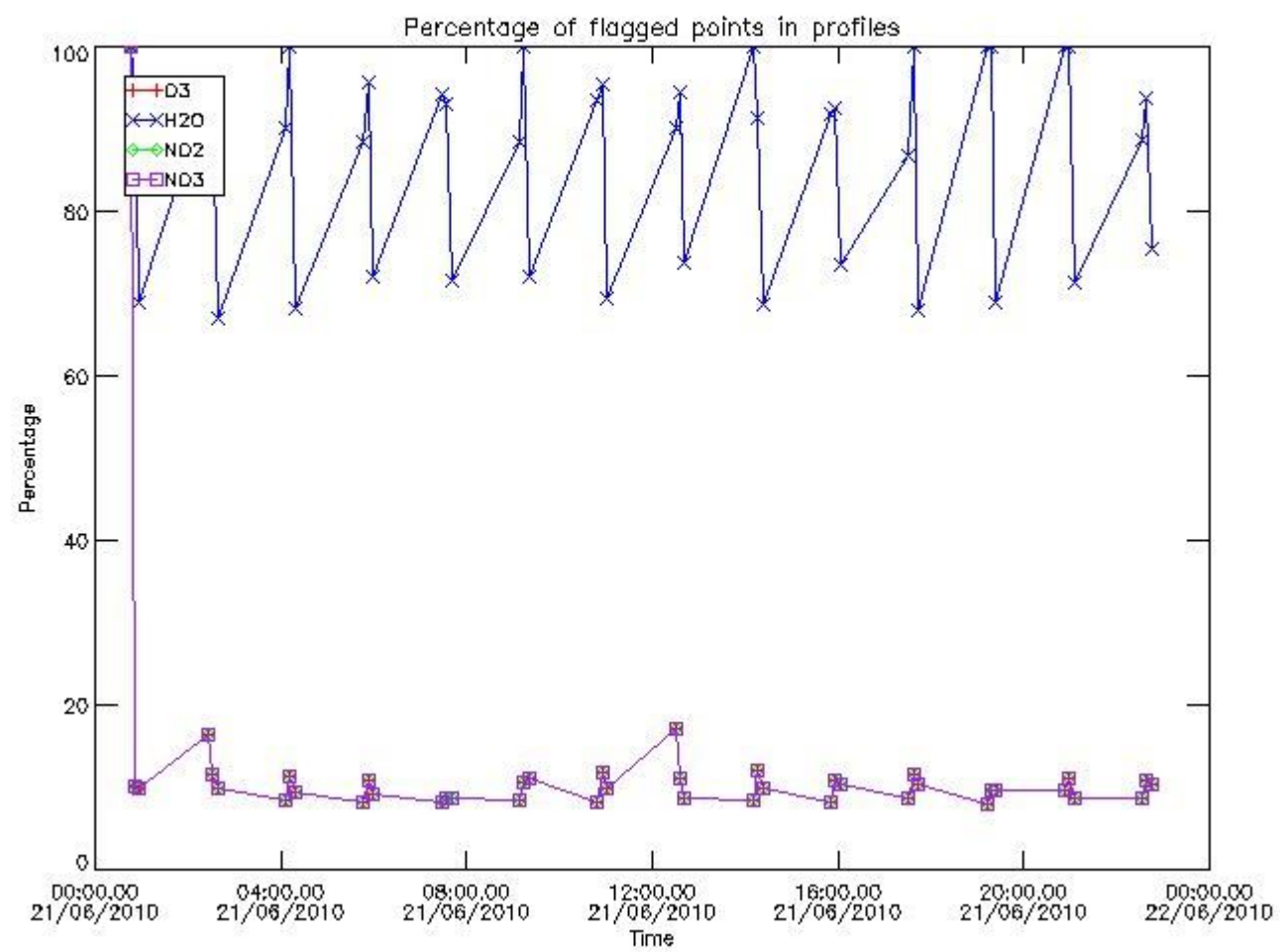
220	GOM_NL__2PRFIN20100621_174541_000000492090_00299_43439_6301.N1	21-JUN-2010 17:45:41	Straylight	48.500	31	Alp Gru	1.7340	15200.	97	43439	No
221	GOM_NL__2PRFIN20100621_174900_000000422090_00299_43439_6302.N1	21-JUN-2010 17:49:00	Straylight	42.000	45	Alp Pav	1.9400	26000.	84	43439	No
222	GOM_NL__2PRFIN20100621_175820_000000502090_00299_43439_6303.N1	21-JUN-2010 17:58:20	Tw_i_and_stray	49.500	38	20Eps Sgr	1.8360	11000.	99	43439	No
223	GOM_NL__2PRFIN20100621_175946_000000522090_00299_43439_6304.N1	21-JUN-2010 17:59:46	Tw_i_and_stray	52.000	116	19Del Sgr	2.7000	4100.0	104	43439	No
224	GOM_NL__2PRFIN20100621_180158_000000282090_00299_43439_6305.N1	21-JUN-2010 18:01:58	Tw_i_and_stray	28.000	155	41Pi Sgr	2.9000	6600.0	56	43439	No
225	GOM_NL__2PRFIN20100621_180450_000000392090_00299_43439_6306.N1	21-JUN-2010 18:04:50	Bright	39.000	86	35Eta Oph	2.4300	10200.	78	43439	No
226	GOM_NL__2PRFIN20100621_181058_000000412090_00299_43439_6307.N1	21-JUN-2010 18:10:58	Bright	41.000	126	60Bet Oph	2.7700	4250.0	82	43439	No
227	GOM_NL__2PRFIN20100621_181324_000000412090_00299_43439_6308.N1	21-JUN-2010 18:13:24	Bright	41.000	59	55Alp Oph	2.0800	8900.0	82	43439	No
228	GOM_NL__2PRFIN20100621_181834_000000382090_00299_43439_6309.N1	21-JUN-2010 18:18:34	Bright	38.000	133	40Zet Her	2.8070	6000.0	76	43439	No
229	GOM_NL__2PRFIN20100621_182320_000000412090_00299_43439_6310.N1	21-JUN-2010 18:23:20	Bright	41.000	5	3Alp Lyr	0.033000	11000.	82	43439	No
230	GOM_NL__2PRFIN20100621_182506_000000382090_00299_43439_6311.N1	21-JUN-2010 18:25:06	Bright	37.500	130	23Bet Dra	2.7990	5800.0	75	43439	No
231	GOM_NL__2PRFIN20100621_182700_000000382090_00299_43439_6312.N1	21-JUN-2010 18:27:00	Bright	37.500	119	14Eta Dra	2.7270	4700.0	75	43439	No
232	GOM_NL__2PRFIN20100621_183503_000000492090_00299_43439_6313.N1	21-JUN-2010 18:35:03	Bright	48.500	89	5Alp Cep	2.4510	8000.0	97	43439	No
233	GOM_NL__2PRFIN20100621_184153_000000482090_00299_43439_6314.N1	21-JUN-2010 18:41:53	Bright	48.000	74	11Bet Cas	2.2680	6600.0	96	43439	No
234	GOM_NL__2PRFIN20100621_184324_000000452090_00299_43439_6315.N1	21-JUN-2010 18:43:24	Bright	45.000	68	18Alp Cas	2.2250	4500.0	90	43439	No
235	GOM_NL__2PRFIN20100621_184530_000000462090_00299_43439_6316.N1	21-JUN-2010 18:45:30	Bright	45.500	160	23Gam Per	2.9300	4700.0	91	43439	No
236	GOM_NL__2PRFIN20100621_184856_000000442090_00299_43439_6317.N1	21-JUN-2010 18:48:56	Bright	44.000	73	57Gam1And	2.2600	13100.	88	43439	No
237	GOM_NL__2PRFIN20100621_185119_000000452090_00299_43439_6318.N1	21-JUN-2010 18:51:19	Tw_i_and_stray	44.500	173	4Bet Tri	3.0040	8900.0	89	43439	No
238	GOM_NL__2PRFIN20100621_185506_000000522090_00299_43439_6319.N1	21-JUN-2010 18:55:06	Twilight	51.500	50	13Alp Ari	2.0070	4250.0	103	43439	No
239	GOM_NL__2PRFIN20100621_191203_000000642090_00299_43439_6320.N1	21-JUN-2010 19:12:03	Dark	64.000	52	16Bet Cet	2.0370	4500.0	128	43439	No
240	GOM_NL__2PRFIN20100621_191750_000000532090_00299_43439_6321.N1	21-JUN-2010 19:17:50	Dark	53.000	84	Alp Phe	2.3970	4500.0	106	43439	No
241	GOM_NL__2PRFIN20100621_192416_000000542090_00300_43440_6300.N1	21-JUN-2010 19:24:16	Dark	53.500	63	Bet Gru	2.1500	2800.0	107	43440	No
242	GOM_NL__2PRFIN20100621_192618_000000482090_00300_43440_6301.N1	21-JUN-2010 19:26:18	Straylight	47.500	31	Alp Gru	1.7340	15200.	95	43440	No
243	GOM_NL__2PRFIN20100621_192936_000000442090_00300_43440_6302.N1	21-JUN-2010 19:29:36	Straylight	43.500	45	Alp Pav	1.9400	26000.	87	43440	No
244	GOM_NL__2PRFIN20100621_193856_000000452090_00300_43440_6303.N1	21-JUN-2010 19:38:56	Tw_i_and_stray	44.500	38	20Eps Sgr	1.8360	11000.	89	43440	No
245	GOM_NL__2PRFIN20100621_194023_000000592090_00300_43440_6304.N1	21-JUN-2010 19:40:23	Bright	59.000	116	19Del Sgr	2.7000	4100.0	118	43440	No
246	GOM_NL__2PRFIN20100621_194234_000000332090_00300_43440_6305.N1	21-JUN-2010 19:42:34	Tw_i_and_stray	33.000	155	41Pi Sgr	2.9000	6600.0	66	43440	No
247	GOM_NL__2PRFIN20100621_194526_000000392090_00300_43440_6306.N1	21-JUN-2010 19:45:26	Bright	38.500	86	35Eta Oph	2.4300	10200.	77	43440	No
248	GOM_NL__2PRFIN20100621_195134_000000412090_00300_43440_6307.N1	21-JUN-2010 19:51:34	Bright	40.500	126	60Bet Oph	2.7700	4250.0	81	43440	No
249	GOM_NL__2PRFIN20100621_195359_000000412090_00300_43440_6308.N1	21-JUN-2010 19:53:59	Bright	40.500	59	55Alp Oph	2.0800	8900.0	81	43440	No
250	GOM_NL__2PRFIN20100621_195910_000000372090_00300_43440_6309.N1	21-JUN-2010 19:59:10	Bright	36.500	133	40Zet Her	2.8070	6000.0	73	43440	No
251	GOM_NL__2PRFIN20100621_200355_000000472090_00300_43440_6310.N1	21-JUN-2010 20:03:55	Bright	47.000	5	3Alp Lyr	0.033000	11000.	94	43440	No
252	GOM_NL__2PRFIN20100621_200541_000000402090_00300_43440_6311.N1	21-JUN-2010 20:05:41	Bright	40.000	130	23Bet Dra	2.7990	5800.0	80	43440	No
253	GOM_NL__2PRFIN20100621_200736_000000402090_00300_43440_6312.N1	21-JUN-2010 20:07:36	Bright	39.500	119	14Eta Dra	2.7270	4700.0	79	43440	No
254	GOM_NL__2PRFIN20100621_201538_000000482090_00300_43440_6313.N1	21-JUN-2010 20:15:38	Bright	48.000	89	5Alp Cep	2.4510	8000.0	96	43440	No
255	GOM_NL__2PRFIN20100621_202229_000000462090_00300_43440_6314.N1	21-JUN-2010 20:22:29	Bright	45.500	74	11Bet Cas	2.2680	6600.0	91	43440	No
256	GOM_NL__2PRFIN20100621_202359_000000652090_00300_43440_6315.N1	21-JUN-2010 20:23:59	Bright	65.000	68	18Alp Cas	2.2250	4500.0	130	43440	No
257	GOM_NL__2PRFIN20100621_202606_000000532090_00300_43440_6316.N1	21-JUN-2010 20:26:06	Bright	53.000	160	23Gam Per	2.9300	4700.0	106	43440	No
258	GOM_NL__2PRFIN20100621_202933_000000462090_00300_43440_6317.N1	21-JUN-2010 20:29:33	Bright	46.000	73	57Gam1And	2.2600	13100.	92	43440	No
259	GOM_NL__2PRFIN20100621_203155_000000452090_00300_43440_6318.N1	21-JUN-2010 20:31:55	Tw_i_and_stray	44.500	173	4Bet Tri	3.0040	8900.0	89	43440	No
260	GOM_NL__2PRFIN20100621_203542_000000472090_00300_43440_6319.N1	21-JUN-2010 20:35:42	Twilight	46.500	50	13Alp Ari	2.0070	4250.0	93	43440	No
261	GOM_NL__2PRFIN20100621_205240_000000582090_00300_43440_6320.N1	21-JUN-2010 20:52:40	Dark	58.000	52	16Bet Cet	2.0370	4500.0	116	43440	No
262	GOM_NL__2PRFIN20100621_205827_000000462090_00300_43440_6321.N1	21-JUN-2010 20:58:27	Dark	45.500	84	Alp Phe	2.3970	4500.0	91	43440	No
263	GOM_NL__2PRFIN20100621_210452_000000582090_00301_43441_6300.N1	21-JUN-2010 21:04:52	Dark	58.000	63	Bet Gru	2.1500	2800.0	116	43441	No
264	GOM_NL__2PRFIN20100621_210655_000000492090_00301_43441_6301.N1	21-JUN-2010 21:06:55	Straylight	48.500	31	Alp Gru	1.7340	15200.	97	43441	No
265	GOM_NL__2PRFIN20100621_211012_000000422090_00301_43441_6302.N1	21-JUN-2010 21:10:12	Straylight	42.000	45	Alp Pav	1.9400	26000.	84	43441	No
266	GOM_NL__2PRFIN20100621_211932_000000472090_00301_43441_6303.N1	21-JUN-2010 21:19:32	Tw_i_and_stray	47.000	38	20Eps Sgr	1.8360	11000.	94	43441	No
267	GOM_NL__2PRFIN20100621_212059_000000472090_00301_43441_6304.N1	21-JUN-2010 21:20:59	Tw_i_and_stray	47.000	116	19Del Sgr	2.7000	4100.0	94	43441	No
268	GOM_NL__2PRFIN20100621_212310_000000332090_00301_43441_6305.N1	21-JUN-2010 21:23:10	Tw_i_and_stray	33.000	155	41Pi Sgr	2.9000	6600.0	66	43441	No
269	GOM_NL__2PRFIN20100621_212602_000000382090_00301_43441_6306.N1	21-JUN-2010 21:26:02	Bright	38.000	86	35Eta Oph	2.4300	10200.	76	43441	No
270	GOM_NL__2PRFIN20100621_213209_000000412090_00301_43441_6307.N1	21-JUN-2010 21:32:09	Bright	41.000	126	60Bet Oph	2.7700	4250.0	82	43441	No
271	GOM_NL__2PRFIN20100621_213435_000000402090_00301_43441_6308.N1	21-JUN-2010 21:34:35	Bright	39.500	59	55Alp Oph	2.0800	8900.0	79	43441	No
272	GOM_NL__2PRFIN20100621_213946_000000362090_00301_43441_6309.N1	21-JUN-2010 21:39:46	Bright	35.500	133	40Zet Her	2.8070	6000.0	71	43441	No
273	GOM_NL__2PRFIN20100621_214430_000000452090_00301_43441_6310.N1	21-JUN-2010 21:44:30	Bright	45.000	5	3Alp Lyr	0.033000	11000.	90	43441	No
274	GOM_NL__2PRFIN20100621_214617_000000402090_00301_43441_6311.N1	21-JUN-2010 21:46:17	Bright	39.500	130	23Bet Dra	2.7990	5800.0	79	43441	No
275	GOM_NL__2PRFIN20100621_214811_000000402090_00301_43441_6312.N1	21-JUN-2010 21:48:11	Bright	39.500	119	14Eta Dra	2.7270	4700.0	79	43441	No
276	GOM_NL__2PRFIN20100621_215613_000000462090_00301_43441_6313.N1	21-JUN-2010 21:56:13	Bright	46.000	89	5Alp Cep	2.4510	8000.0	92	43441	No
277	GOM_NL__2PRFIN20100621_220304_000000662090_00301_43441_6314.N1	21-JUN-2010 22:03:04	Bright	66.000	74	11Bet Cas	2.2680	6600.0	132	43441	No
278	GOM_NL__2PRFIN20100621_220435_000000492090_00301_43441_6315.N1	21-JUN-2010 22:04:35	Bright	49.000	68	18Alp Cas	2.2250	4500.0	98	43441	No

279	GOM_NL__2PRFIN20100621_220642_000000532090_00301_43441_6316.N1	21-JUN-2010 22:06:42	Bright	53.000	160	23Gam Per	2.9300	4700.0	106	43441	No
280	GOM_NL__2PRFIN20100621_221009_000000452090_00301_43441_6317.N1	21-JUN-2010 22:10:09	Bright	45.000	73	57Gam1And	2.2600	13100.	90	43441	No
281	GOM_NL__2PRFIN20100621_221231_000000442090_00301_43441_6318.N1	21-JUN-2010 22:12:31	Twilight	43.500	173	4Bet Tri	3.0040	8900.0	87	43441	No
282	GOM_NL__2PRFIN20100621_221618_000000512090_00301_43441_6319.N1	21-JUN-2010 22:16:18	Twilight	50.500	50	13Alp Ari	2.0070	4250.0	101	43441	No
283	GOM_NL__2PRFIN20100621_223317_000000582090_00301_43441_6320.N1	21-JUN-2010 22:33:17	Dark	58.000	52	16Bet Cet	2.0370	4500.0	116	43441	No
284	GOM_NL__2PRFIN20100621_223904_000000482090_00301_43441_6321.N1	21-JUN-2010 22:39:04	Dark	47.500	84	Alp Phe	2.3970	4500.0	95	43441	No
285	GOM_NL__2PRFIN20100621_224530_000000502090_00302_43442_6300.N1	21-JUN-2010 22:45:30	Dark	49.500	63	Bet Gru	2.1500	2800.0	99	43442	No
286	GOM_NL__2PRFIN20100621_224732_000000502090_00302_43442_6301.N1	21-JUN-2010 22:47:32	Straylight	49.500	31	Alp Gru	1.7340	15200.	99	43442	No
287	GOM_NL__2PRFIN20100621_225049_000000512090_00302_43442_6302.N1	21-JUN-2010 22:50:49	Straylight	51.000	45	Alp Pav	1.9400	26000.	102	43442	No
288	GOM_NL__2PRFIN20100621_230008_000000452090_00302_43442_6303.N1	21-JUN-2010 23:00:08	Twilight	45.000	38	20Eps Sgr	1.8360	11000.	90	43442	No
289	GOM_NL__2PRFIN20100621_230135_000000472090_00302_43442_6304.N1	21-JUN-2010 23:01:35	Twilight	47.000	116	19Del Sgr	2.7000	4100.0	94	43442	No
290	GOM_NL__2PRFIN20100621_230346_000000382090_00302_43442_6305.N1	21-JUN-2010 23:03:46	Bright	38.000	155	41Pi Sgr	2.9000	6600.0	76	43442	No
291	GOM_NL__2PRFIN20100621_230638_000000392090_00302_43442_6306.N1	21-JUN-2010 23:06:38	Bright	39.000	86	35Eta Oph	2.4300	10200.	78	43442	No
292	GOM_NL__2PRFIN20100621_231246_000000402090_00302_43442_6307.N1	21-JUN-2010 23:12:46	Bright	40.000	126	60Bet Oph	2.7700	4250.0	80	43442	No
293	GOM_NL__2PRFIN20100621_231511_000000402090_00302_43442_6308.N1	21-JUN-2010 23:15:11	Bright	40.000	59	55Alp Oph	2.0800	8900.0	80	43442	No
294	GOM_NL__2PRFIN20100621_232022_000000382090_00302_43442_6309.N1	21-JUN-2010 23:20:22	Bright	37.500	133	40Zet Her	2.8070	6000.0	75	43442	No
295	GOM_NL__2PRFIN20100621_232505_000000452090_00302_43442_6310.N1	21-JUN-2010 23:25:05	Bright	44.500	5	3Alp Lyr	0.033000	11000.	89	43442	No
296	GOM_NL__2PRFIN20100621_232653_000000412090_00302_43442_6311.N1	21-JUN-2010 23:26:53	Bright	40.500	130	23Bet Dra	2.7990	5800.0	81	43442	No
297	GOM_NL__2PRFIN20100621_233648_000000442090_00302_43442_6312.N1	21-JUN-2010 23:36:48	Bright	43.500	89	5Alp Cep	2.4510	8000.0	87	43442	No
298	GOM_NL__2PRFIN20100621_234340_000000452090_00302_43442_6313.N1	21-JUN-2010 23:43:40	Bright	45.000	74	11Bet Cas	2.2680	6600.0	90	43442	No
299	GOM_NL__2PRFIN20100621_234510_000000472090_00302_43442_6314.N1	21-JUN-2010 23:45:10	Bright	47.000	68	18Alp Cas	2.2250	4500.0	94	43442	No
300	GOM_NL__2PRFIN20100621_234718_000000532090_00302_43442_6315.N1	21-JUN-2010 23:47:18	Bright	53.000	160	23Gam Per	2.9300	4700.0	106	43442	No
301	GOM_NL__2PRFIN20100621_235044_000000592090_00302_43442_6316.N1	21-JUN-2010 23:50:44	Bright	59.000	73	57Gam1And	2.2600	13100.	118	43442	No
302	GOM_NL__2PRFIN20100621_235307_000000462090_00302_43442_6317.N1	21-JUN-2010 23:53:07	Twilight	46.000	173	4Bet Tri	3.0040	8900.0	92	43442	No
303	GOM_NL__2PRFIN20100621_235654_000000582090_00302_43442_6318.N1	21-JUN-2010 23:56:54	Twilight	57.500	50	13Alp Ari	2.0070	4250.0	115	43442	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.

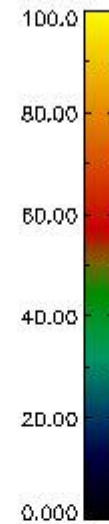
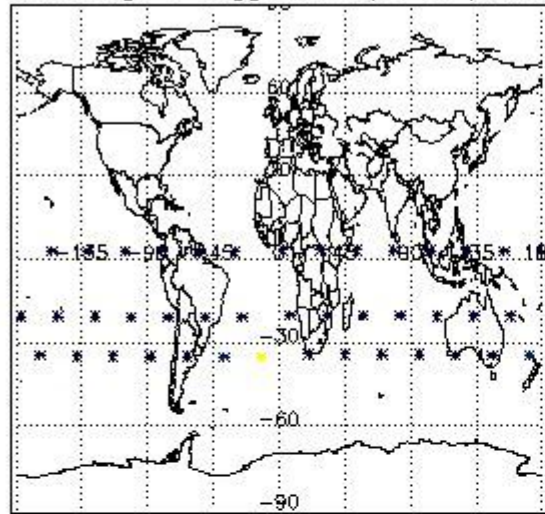
#### 3.1 Plot quality information per product (time dependant)



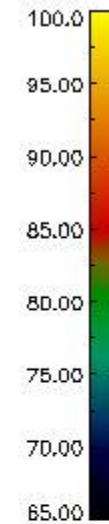
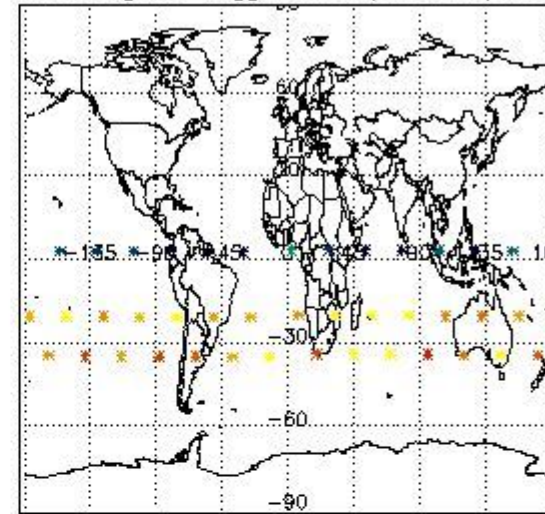
3.2 Plot quality information per product (world map)



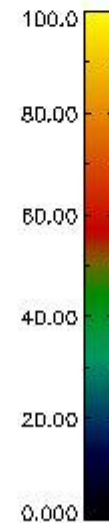
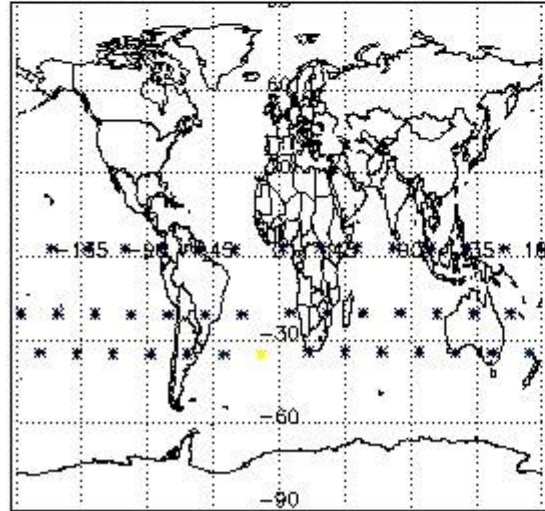
Percentage of flagged data per O3 profile



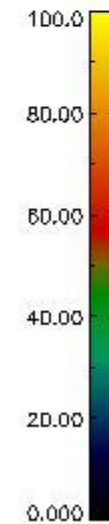
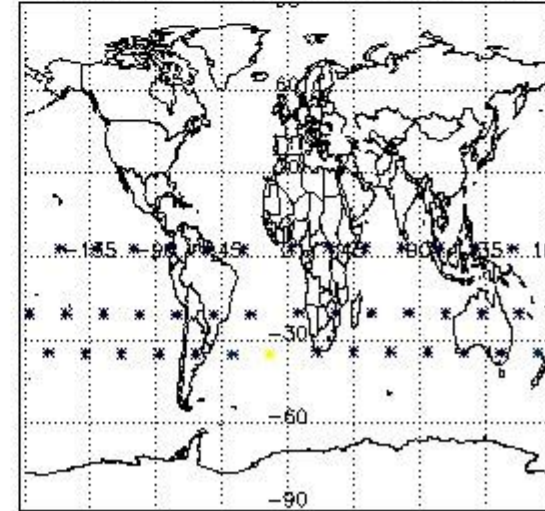
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

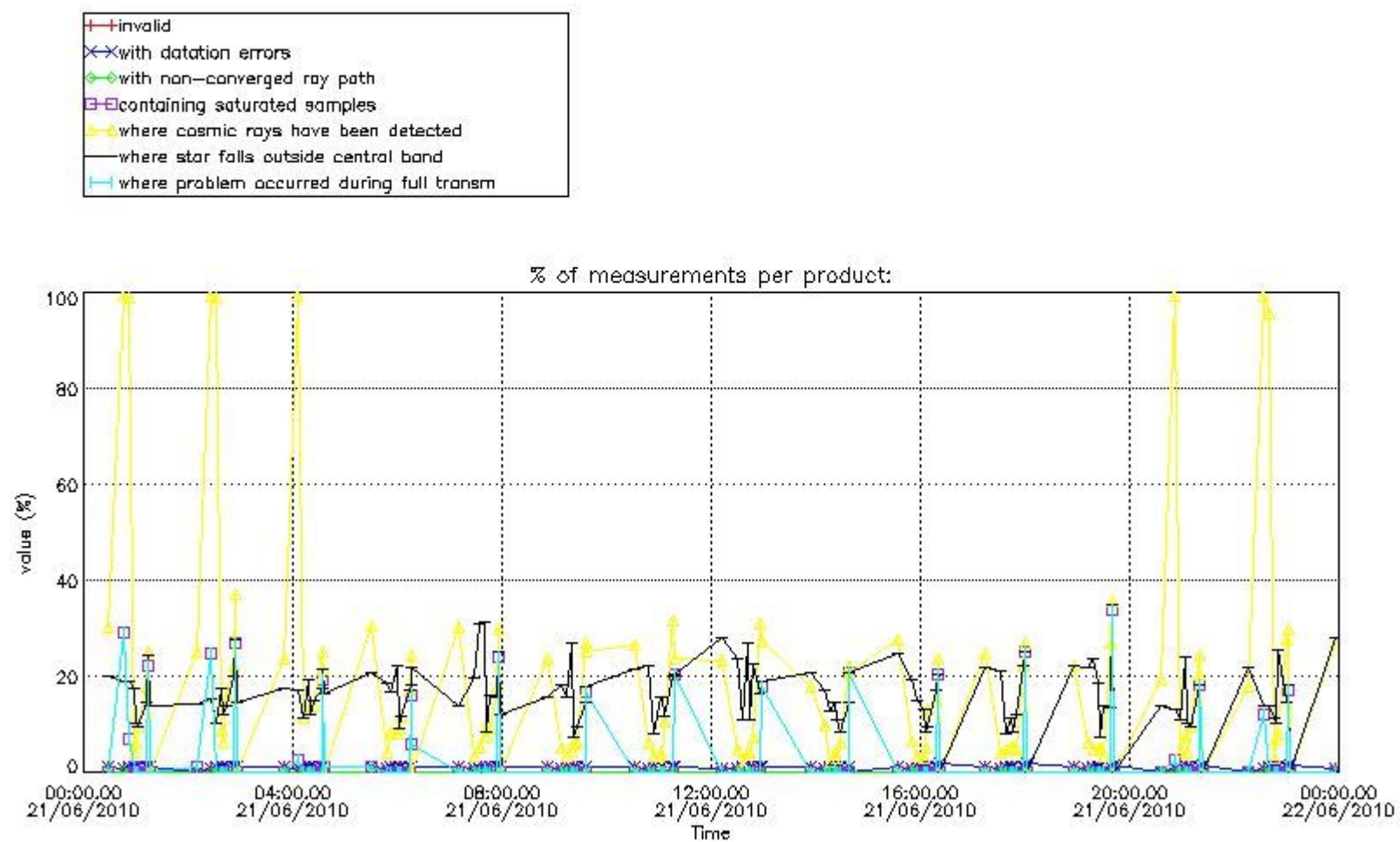


#### 4. Level 1 quality information per product

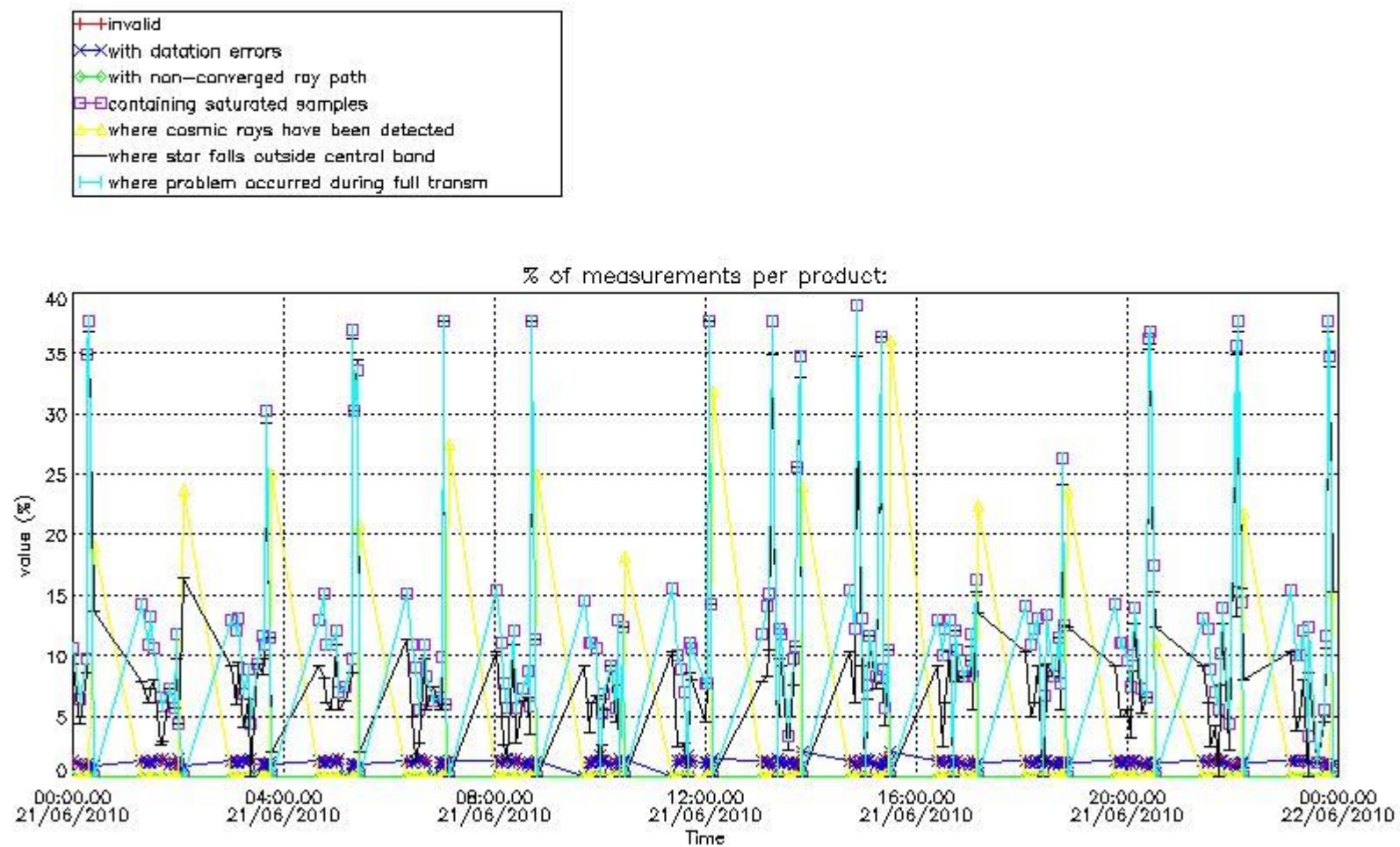
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

##### 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

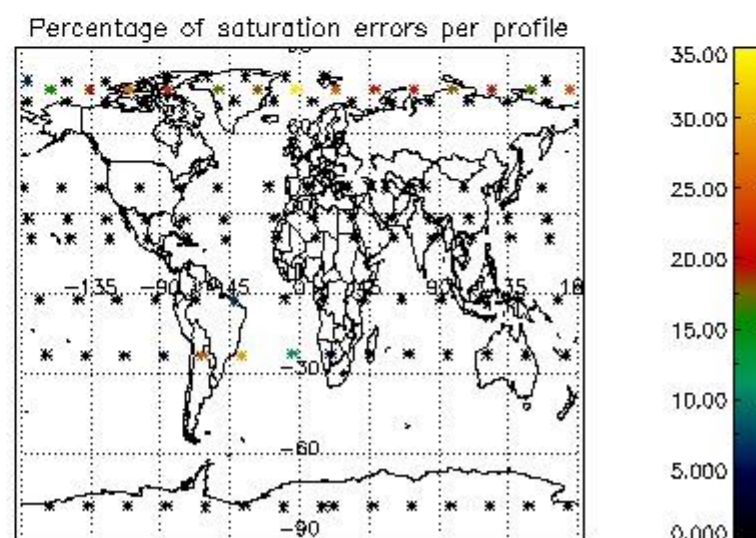
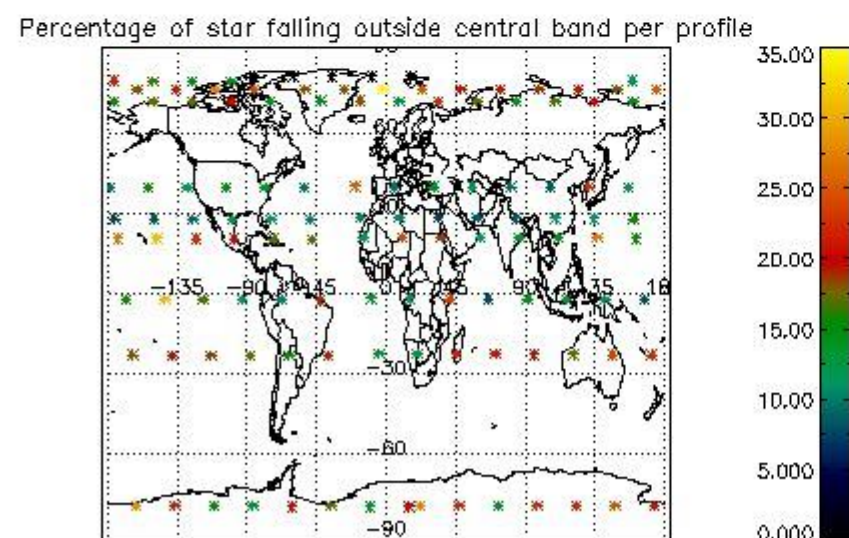
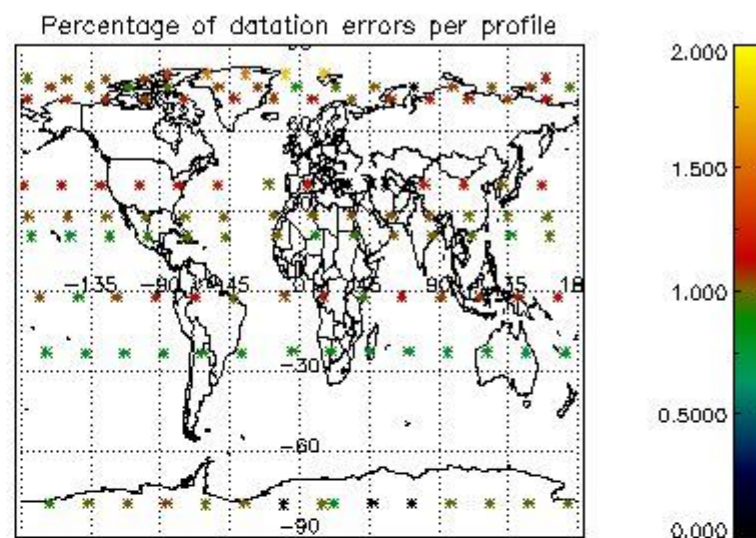
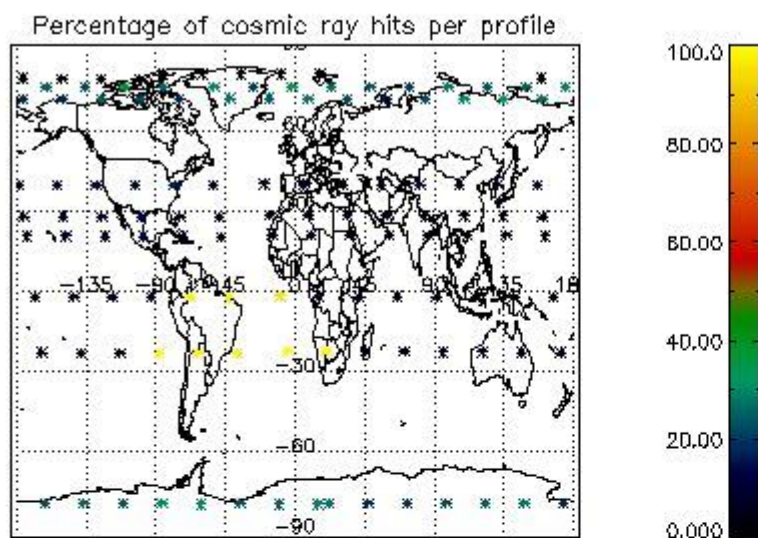


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes

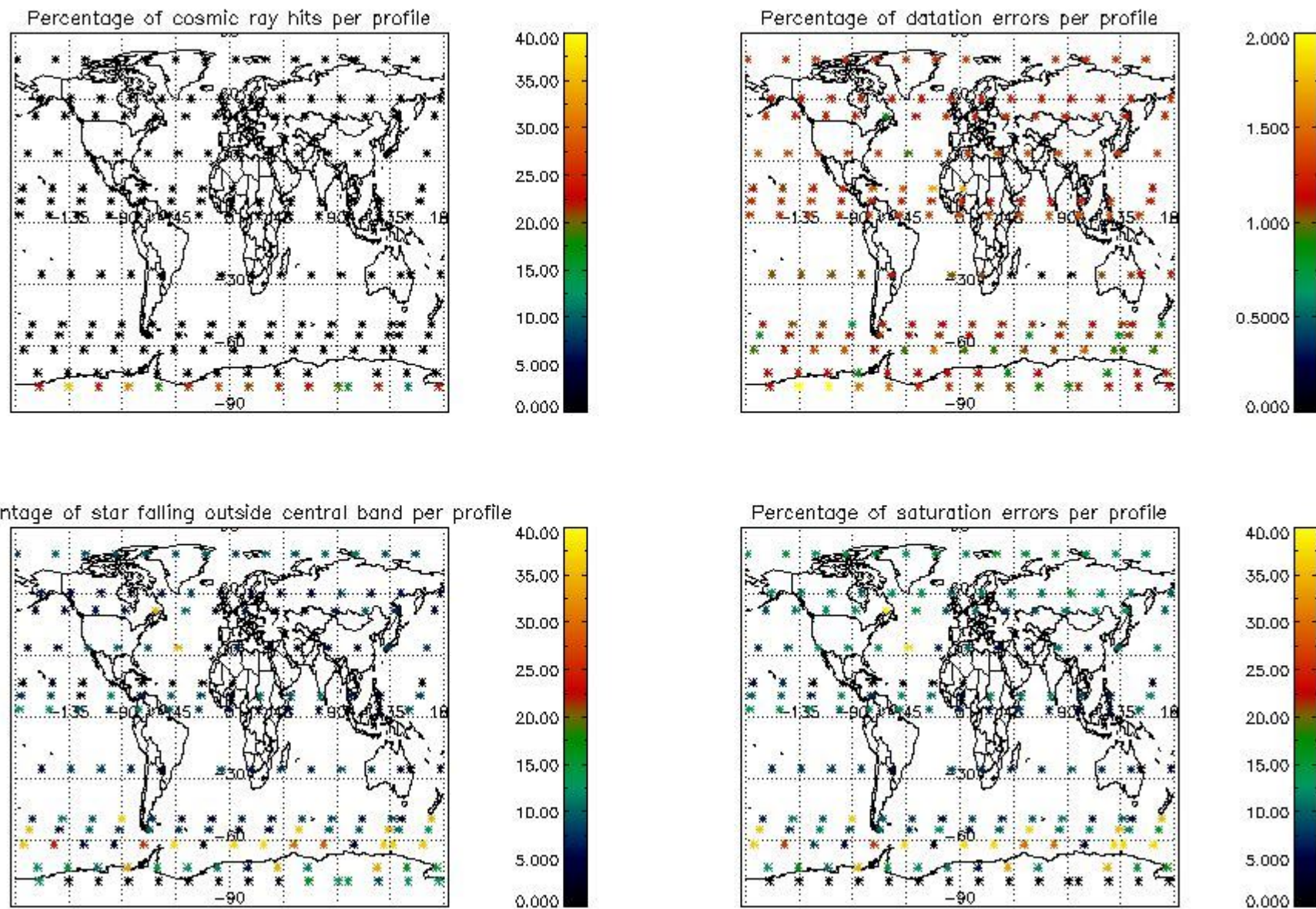


4.2 Plot quality information per product coming from level 1b processing (world map)

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

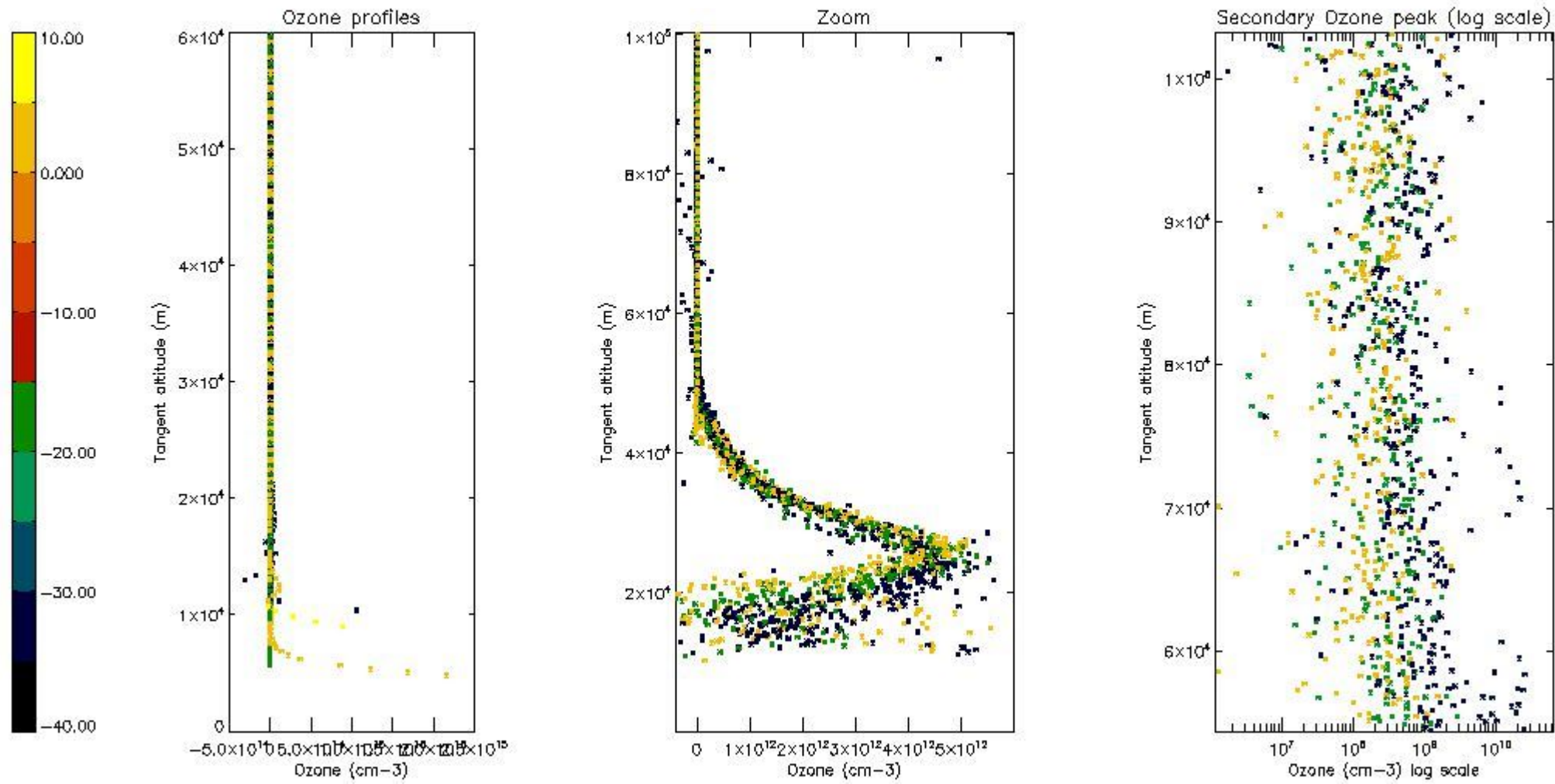
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	17
STD < 20	4

STD < 10	2
STD < 5	0

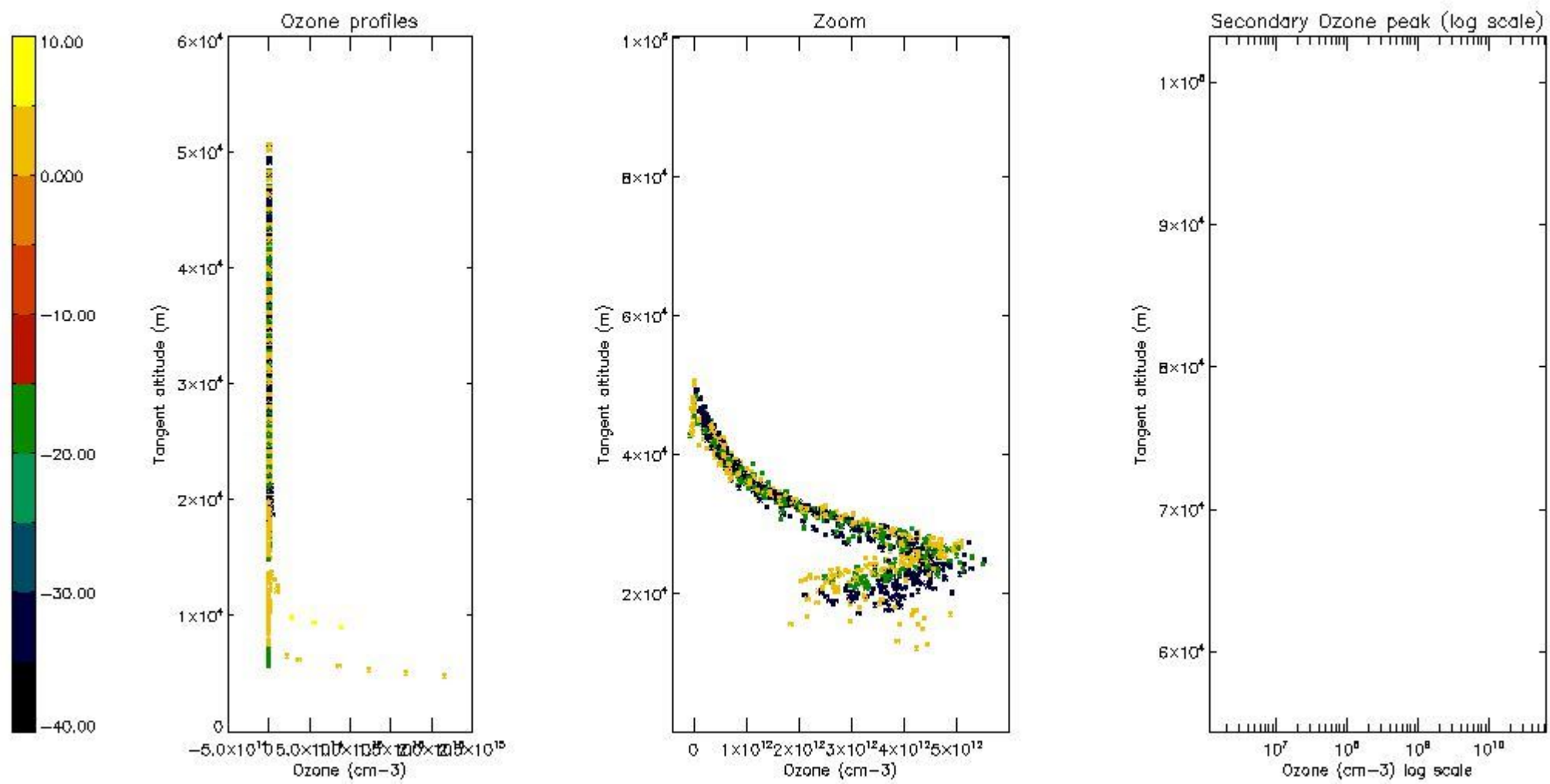
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



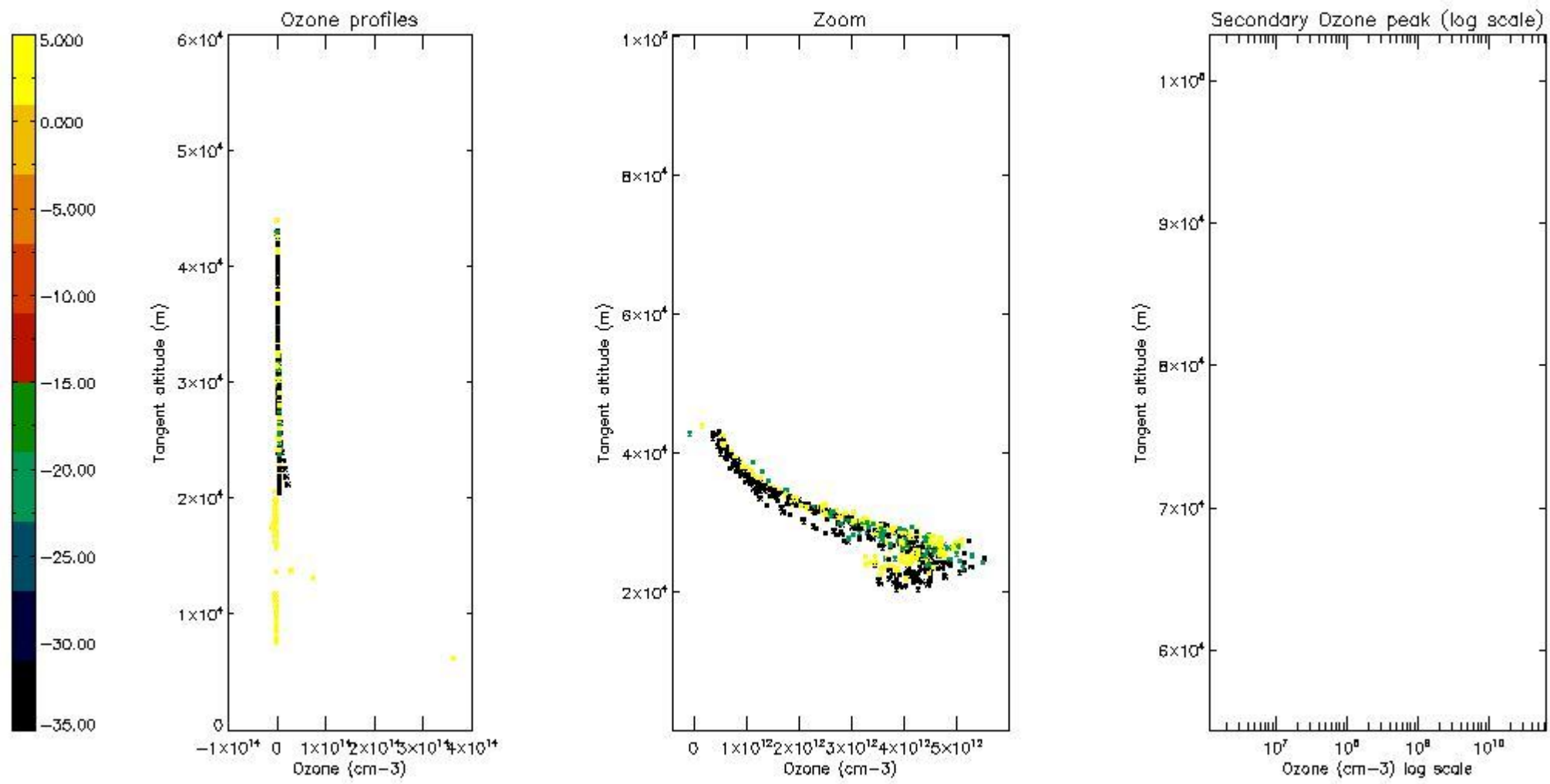
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



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

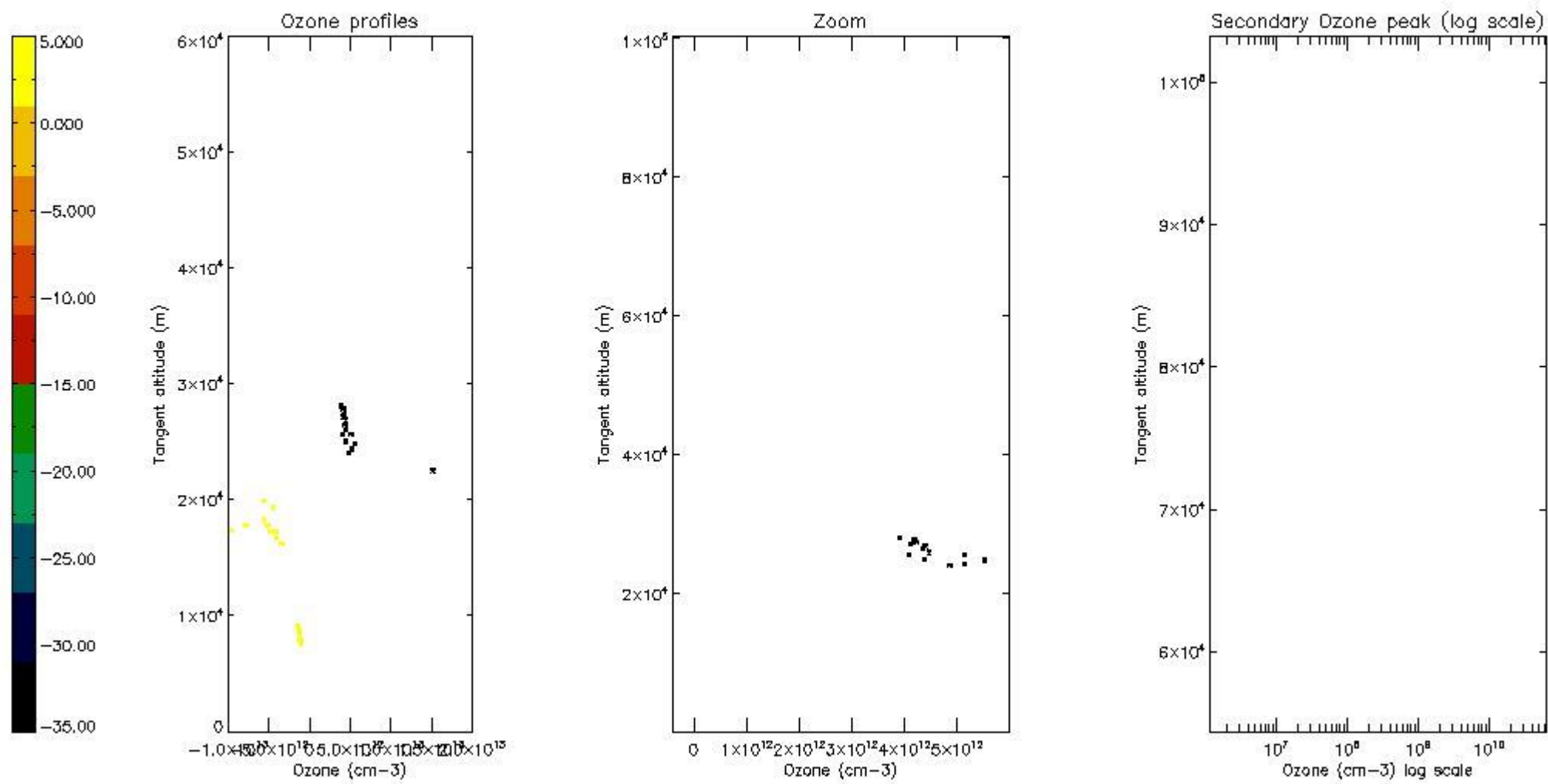
The colorbar represents the latitude.



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

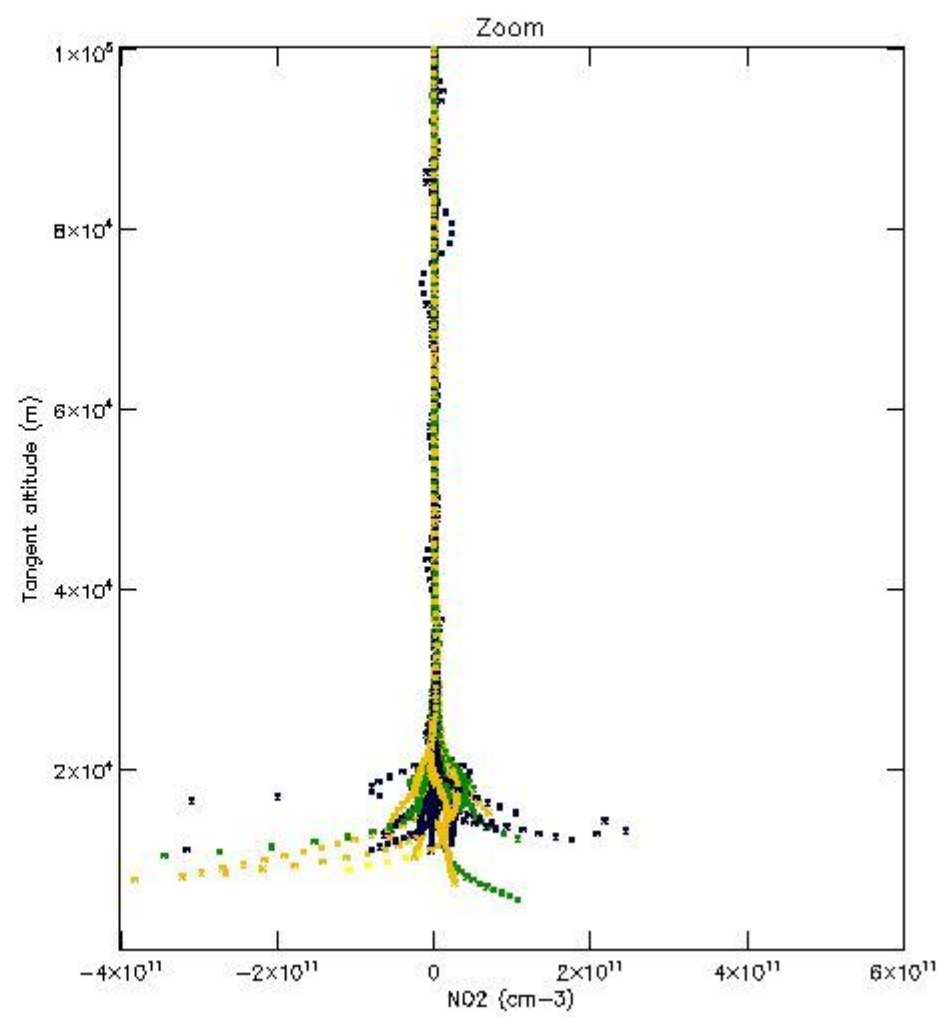
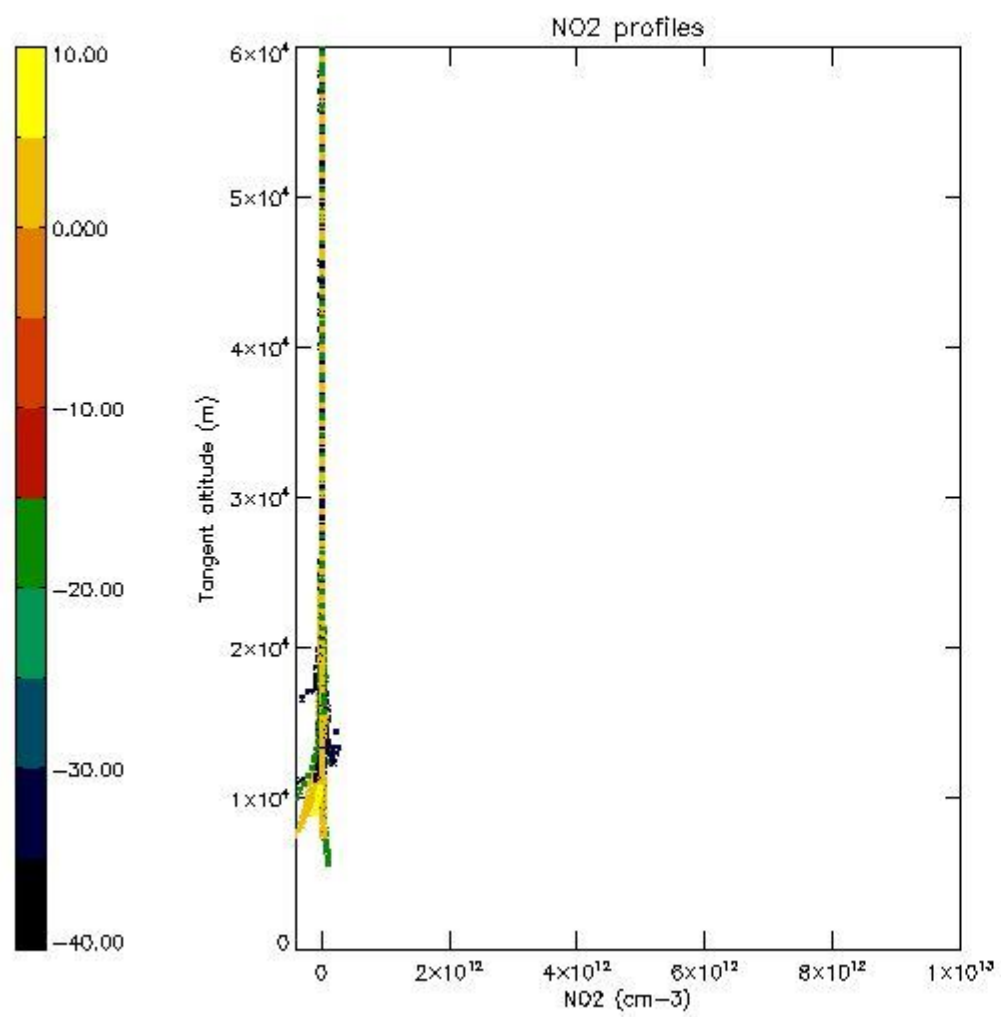
The colorbar represents the latitude.





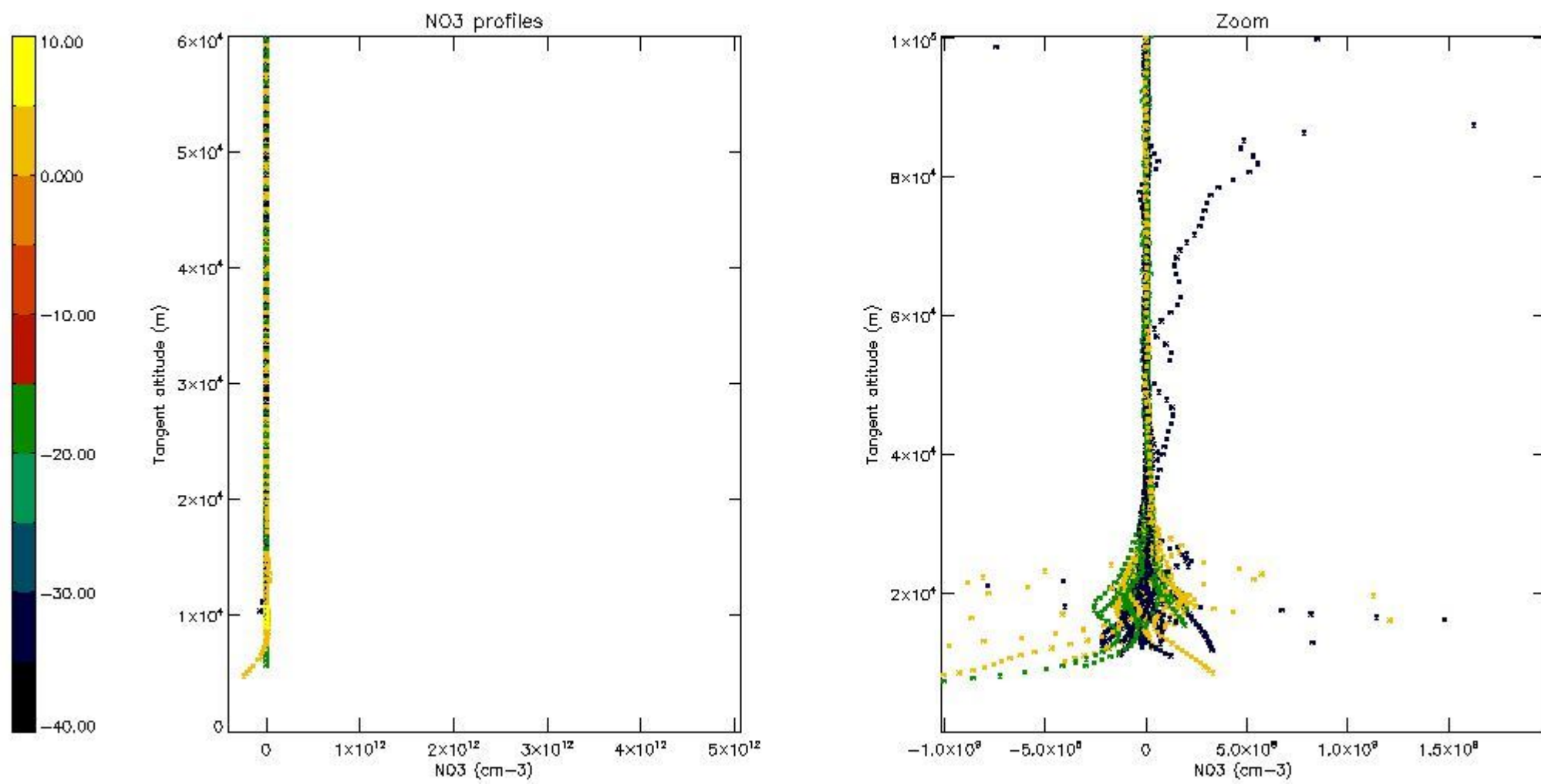
*5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)*

The colorbar represents the latitude.



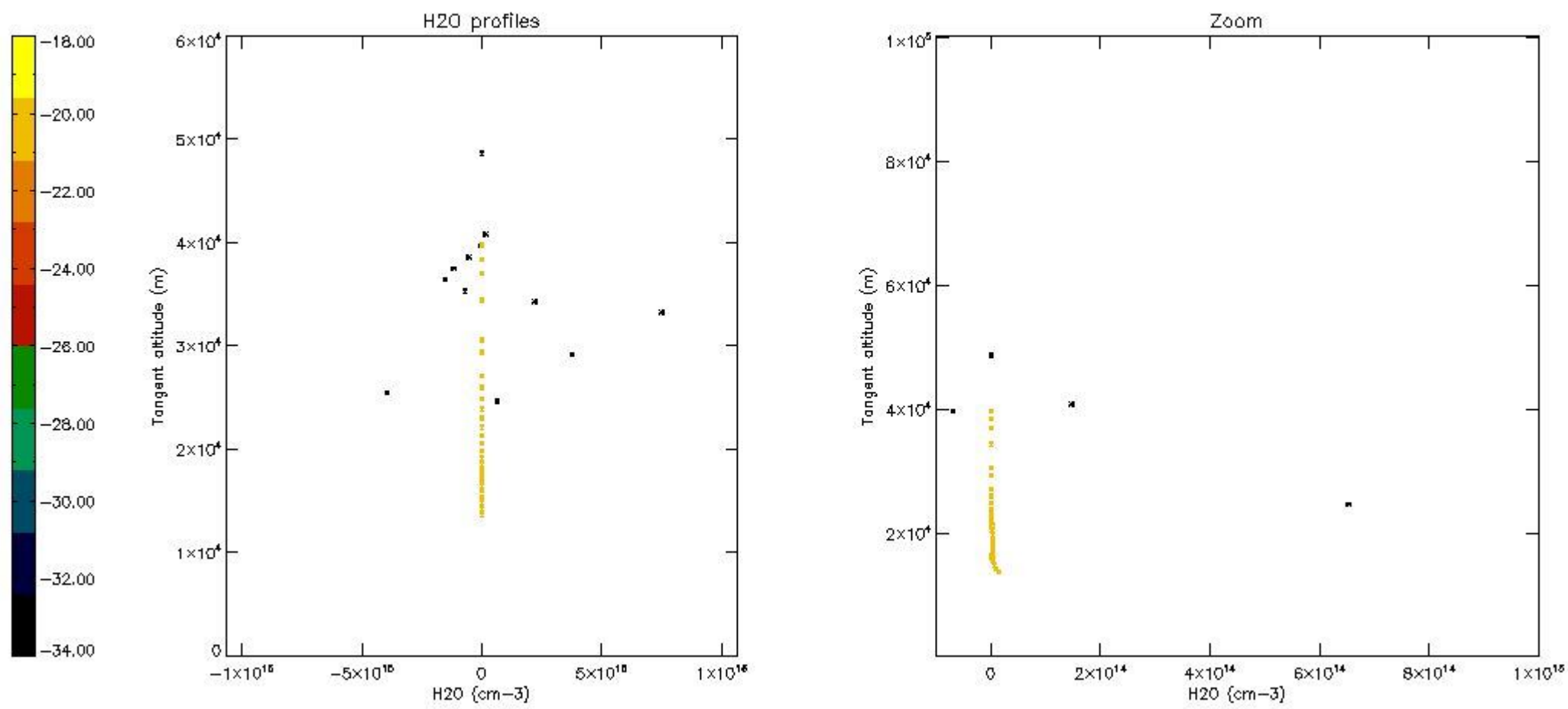
*5.7 Plot NO3 profiles for all STD (dark without errors)*

The colorbar represents the latitude.



5.8 Plot H2O profiles for all STD (only for occultations of stars 1,2,3,4,13,14,16,26,63 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	21-JUN-2010 00:00:25
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	21-JUN-2010 00:00:25
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	21-JUN-2010 00:00:25

# 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	29APR2013 12:12:04
Data source version	GOMOS/6.01
Start time of products	21-06-2010 (21JUN2010 00:00:00)
Stop time of products	22-06-2010 (22JUN2010 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	303
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__2PRFIN20100621_000025_000000382090_00288_43428_5627.N1	21-JUN-2010 00:00:25	Bright	37.500	119	14Eta Dra	2.7270	4700.0	75	43428	No
2	GOM_NL__2PRFIN20100621_000835_000000472090_00288_43428_5628.N1	21-JUN-2010 00:08:35	Bright	46.500	89	5Alp Cep	2.4510	8000.0	93	43428	No
3	GOM_NL__2PRFIN20100621_001523_000000472090_00288_43428_5629.N1	21-JUN-2010 00:15:23	Bright	46.500	74	11Bet Cas	2.2680	6600.0	93	43428	No
4	GOM_NL__2PRFIN20100621_001652_000000632090_00288_43428_5630.N1	21-JUN-2010 00:16:52	Bright	63.000	68	18Alp Cas	2.2250	4500.0	126	43428	No
5	GOM_NL__2PRFIN20100621_001855_000000532090_00288_43428_5631.N1	21-JUN-2010 00:18:55	Bright	53.000	160	23Gam Per	2.9300	4700.0	106	43428	No
6	GOM_NL__2PRFIN20100621_002446_000000552090_00288_43428_5632.N1	21-JUN-2010 00:24:46	Twilight	55.000	53	43Bet And	2.0480	3300.0	110	43428	No
7	GOM_NL__2PRFIN20100621_002828_000000502090_00288_43428_5633.N1	21-JUN-2010 00:28:28	Twilight	50.000	50	13Alp Ari	2.0070	4250.0	100	43428	No
8	GOM_NL__2PRFIN20100621_004514_000000612090_00288_43428_5634.N1	21-JUN-2010 00:45:14	Dark	60.500	52	16Bet Cet	2.0370	4500.0	121	43428	No
9	GOM_NL__2PRFIN20100621_005105_000000502090_00288_43428_5635.N1	21-JUN-2010 00:51:05	Dark	50.000	84	Alp Phe	2.3970	4500.0	100	43428	No
10	GOM_NL__2PRFIN20100621_005729_000000522090_00289_43429_5624.N1	21-JUN-2010 00:57:29	Dark	52.000	63	Bet Gru	2.1500	2800.0	104	43429	No
11	GOM_NL__2PRFIN20100621_005932_000000492090_00289_43429_5625.N1	21-JUN-2010 00:59:32	Straylight	48.500	31	Alp Gru	1.7340	15200.	97	43429	No
12	GOM_NL__2PRFIN20100621_010255_000000422090_00289_43429_5626.N1	21-JUN-2010 01:02:55	Straylight	42.000	45	Alp Pav	1.9400	26000.	84	43429	No
13	GOM_NL__2PRFIN20100621_011217_000000452090_00289_43429_5627.N1	21-JUN-2010 01:12:17	Twilight	45.000	38	20Eps Sgr	1.8360	11000.	90	43429	No
14	GOM_NL__2PRFIN20100621_011344_000000522090_00289_43429_5628.N1	21-JUN-2010 01:13:44	Twilight	51.500	116	19Del Sgr	2.7000	4100.0	103	43429	No
15	GOM_NL__2PRFIN20100621_011501_000000472090_00289_43429_5629.N1	21-JUN-2010 01:15:01	Bright	46.500	137	22Lam Sgr	2.8240	4400.0	93	43429	No
16	GOM_NL__2PRFIN20100621_011849_000000392090_00289_43429_5630.N1	21-JUN-2010 01:18:49	Bright	38.500	86	35Eta Oph	2.4300	10200.	77	43429	No
17	GOM_NL__2PRFIN20100621_012500_000000412090_00289_43429_5631.N1	21-JUN-2010 01:25:00	Bright	41.000	126	60Bet Oph	2.7700	4250.0	82	43429	No
18	GOM_NL__2PRFIN20100621_012727_000000422090_00289_43429_5632.N1	21-JUN-2010 01:27:27	Bright	41.500	59	55Alp Oph	2.0800	8900.0	83	43429	No
19	GOM_NL__2PRFIN20100621_013236_000000382090_00289_43429_5633.N1	21-JUN-2010 01:32:36	Bright	37.500	133	40Zet Her	2.8070	6000.0	75	43429	No
20	GOM_NL__2PRFIN20100621_013910_000000382090_00289_43429_5634.N1	21-JUN-2010 01:39:10	Bright	38.000	130	23Bet Dra	2.7990	5800.0	76	43429	No
21	GOM_NL__2PRFIN20100621_014101_000000352090_00289_43429_5635.N1	21-JUN-2010 01:41:01	Bright	34.500	119	14Eta Dra	2.7270	4700.0	69	43429	No
22	GOM_NL__2PRFIN20100621_014910_000000482090_00289_43429_5636.N1	21-JUN-2010 01:49:10	Bright	48.000	89	5Alp Cep	2.4510	8000.0	96	43429	No
23	GOM_NL__2PRFIN20100621_015558_000000452090_00289_43429_5637.N1	21-JUN-2010 01:55:58	Bright	44.500	74	11Bet Cas	2.2680	6600.0	89	43429	No
24	GOM_NL__2PRFIN20100621_015727_000000472090_00289_43429_5638.N1	21-JUN-2010 01:57:27	Bright	46.500	68	18Alp Cas	2.2250	4500.0	93	43429	No
25	GOM_NL__2PRFIN20100621_015931_000000352090_00289_43429_5639.N1	21-JUN-2010 01:59:31	Bright	34.500	160	23Gam Per	2.9300	4700.0	69	43429	No
26	GOM_NL__2PRFIN20100621_020522_000000552090_00289_43429_5640.N1	21-JUN-2010 02:05:22	Twilight	55.000	53	43Bet And	2.0480	3300.0	110	43429	No
27	GOM_NL__2PRFIN20100621_020904_000000462090_00289_43429_5641.N1	21-JUN-2010 02:09:04	Twilight	46.000	50	13Alp Ari	2.0070	4250.0	92	43429	No
28	GOM_NL__2PRFIN20100621_022551_000000592090_00289_43429_5642.N1	21-JUN-2010 02:25:51	Dark	58.500	52	16Bet Cet	2.0370	4500.0	117	43429	No
29	GOM_NL__2PRFIN20100621_023142_000000452090_00289_43429_5643.N1	21-JUN-2010 02:31:42	Dark	44.500	84	Alp Phe	2.3970	4500.0	89	43429	No
30	GOM_NL__2PRFIN20100621_023806_000000522090_00290_43430_5632.N1	21-JUN-2010 02:38:06	Dark	52.000	63	Bet Gru	2.1500	2800.0	104	43430	No
31	GOM_NL__2PRFIN20100621_024009_000000502090_00290_43430_5633.N1	21-JUN-2010 02:40:09	Straylight	50.000	31	Alp Gru	1.7340	15200.	100	43430	No
32	GOM_NL__2PRFIN20100621_024331_000000442090_00290_43430_5634.N1	21-JUN-2010 02:43:31	Straylight	43.500	45	Alp Pav	1.9400	26000.	87	43430	No
33	GOM_NL__2PRFIN20100621_025254_000000482090_00290_43430_5635.N1	21-JUN-2010 02:52:54	Twilight	47.500	38	20Eps Sgr	1.8360	11000.	95	43430	No
34	GOM_NL__2PRFIN20100621_025420_000000542090_00290_43430_5636.N1	21-JUN-2010 02:54:20	Twilight	54.000	116	19Del Sgr	2.7000	4100.0	108	43430	No
35	GOM_NL__2PRFIN20100621_025537_000000482090_00290_43430_5637.N1	21-JUN-2010 02:55:37	Bright	48.000	137	22Lam Sgr	2.8240	4400.0	96	43430	No
36	GOM_NL__2PRFIN20100621_025925_000000392090_00290_43430_5638.N1	21-JUN-2010 02:59:25	Bright	38.500	86	35Eta Oph	2.4300	10200.	77	43430	No
37	GOM_NL__2PRFIN20100621_030536_000000422090_00290_43430_5639.N1	21-JUN-2010 03:05:36	Bright	41.500	126	60Bet Oph	2.7700	4250.0	83	43430	No
38	GOM_NL__2PRFIN20100621_030803_000000422090_00290_43430_5640.N1	21-JUN-2010 03:08:03	Bright	42.000	59	55Alp Oph	2.0800	8900.0	84	43430	No
39	GOM_NL__2PRFIN20100621_031312_000000372090_00290_43430_5641.N1	21-JUN-2010 03:13:12	Bright	36.500	133	40Zet Her	2.8070	6000.0	73	43430	No
40	GOM_NL__2PRFIN20100621_031945_000000402090_00290_43430_5642.N1	21-JUN-2010 03:19:45	Bright	39.500	130	23Bet Dra	2.7990	5800.0	79	43430	No
41	GOM_NL__2PRFIN20100621_032137_000000352090_00290_43430_5643.N1	21-JUN-2010 03:21:37	Bright	34.500	119	14Eta Dra	2.7270	4700.0	69	43430	No
42	GOM_NL__2PRFIN20100621_032945_000000492090_00290_43430_5644.N1	21-JUN-2010 03:29:45	Bright	48.500	89	5Alp Cep	2.4510	8000.0	97	43430	No

43	GOM_NL__2PRFIN20100621_033633_000000482090_00290_43430_5645.N1	21-JUN-2010 03:36:33	Bright	47.500	74	11Bet Cas	2.2680	6600.0	95	43430	No
44	GOM_NL__2PRFIN20100621_033803_000000462090_00290_43430_5646.N1	21-JUN-2010 03:38:03	Bright	46.000	68	18Alp Cas	2.2250	4500.0	92	43430	No
45	GOM_NL__2PRFIN20100621_034007_000000482090_00290_43430_5647.N1	21-JUN-2010 03:40:07	Bright	48.000	160	23Gam Per	2.9300	4700.0	96	43430	No
46	GOM_NL__2PRFIN20100621_034333_000000442090_00290_43430_5648.N1	21-JUN-2010 03:43:33	Bright	43.500	73	57Gam1And	2.2600	13100.	87	43430	No
47	GOM_NL__2PRFIN20100621_034558_000000482090_00290_43430_5649.N1	21-JUN-2010 03:45:58	Twilight	48.000	53	43Bet And	2.0480	3300.0	96	43430	No
48	GOM_NL__2PRFIN20100621_034940_000000492090_00290_43430_5650.N1	21-JUN-2010 03:49:40	Twilight	49.000	50	13Alp Ari	2.0070	4250.0	98	43430	No
49	GOM_NL__2PRFIN20100621_040628_000000612090_00290_43430_5651.N1	21-JUN-2010 04:06:28	Dark	61.000	52	16Bet Cet	2.0370	4500.0	122	43430	No
50	GOM_NL__2PRFIN20100621_041219_000000452090_00290_43430_5652.N1	21-JUN-2010 04:12:19	Dark	45.000	84	Alp Phe	2.3970	4500.0	90	43430	No
51	GOM_NL__2PRFIN20100621_041843_000000542090_00291_43431_5640.N1	21-JUN-2010 04:18:43	Dark	54.000	63	Bet Gru	2.1500	2800.0	108	43431	No
52	GOM_NL__2PRFIN20100621_042046_000000502090_00291_43431_5641.N1	21-JUN-2010 04:20:46	Straylight	50.000	31	Alp Gru	1.7340	15200.	100	43431	No
53	GOM_NL__2PRFIN20100621_042408_000000442090_00291_43431_5642.N1	21-JUN-2010 04:24:08	Straylight	43.500	45	Alp Pav	1.9400	26000.	87	43431	No
54	GOM_NL__2PRFIN20100621_043330_000000462090_00291_43431_5643.N1	21-JUN-2010 04:33:30	Twilight	46.000	38	20Eps Sgr	1.8360	11000.	92	43431	No
55	GOM_NL__2PRFIN20100621_043457_000000492090_00291_43431_5644.N1	21-JUN-2010 04:34:57	Twilight	49.000	116	19Del Sgr	2.7000	4100.0	98	43431	No
56	GOM_NL__2PRFIN20100621_043613_000000492090_00291_43431_5645.N1	21-JUN-2010 04:36:13	Bright	48.500	137	22Lam Sgr	2.8240	4400.0	97	43431	No
57	GOM_NL__2PRFIN20100621_044001_000000392090_00291_43431_5646.N1	21-JUN-2010 04:40:01	Bright	38.500	86	35Eta Oph	2.4300	10200.	77	43431	No
58	GOM_NL__2PRFIN20100621_044612_000000432090_00291_43431_5647.N1	21-JUN-2010 04:46:12	Bright	43.000	126	60Bet Oph	2.7700	4250.0	86	43431	No
59	GOM_NL__2PRFIN20100621_044838_000000412090_00291_43431_5648.N1	21-JUN-2010 04:48:38	Bright	41.000	59	55Alp Oph	2.0800	8900.0	82	43431	No
60	GOM_NL__2PRFIN20100621_045348_000000372090_00291_43431_5649.N1	21-JUN-2010 04:53:48	Bright	36.500	133	40Zet Her	2.8070	6000.0	73	43431	No
61	GOM_NL__2PRFIN20100621_050021_000000422090_00291_43431_5650.N1	21-JUN-2010 05:00:21	Bright	41.500	130	23Bet Dra	2.7990	5800.0	83	43431	No
62	GOM_NL__2PRFIN20100621_050213_000000362090_00291_43431_5651.N1	21-JUN-2010 05:02:13	Bright	36.000	119	14Eta Dra	2.7270	4700.0	72	43431	No
63	GOM_NL__2PRFIN20100621_051021_000000482090_00291_43431_5652.N1	21-JUN-2010 05:10:21	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	43431	No
64	GOM_NL__2PRFIN20100621_051709_000000472090_00291_43431_5653.N1	21-JUN-2010 05:17:09	Bright	46.500	74	11Bet Cas	2.2680	6600.0	93	43431	No
65	GOM_NL__2PRFIN20100621_051839_000000652090_00291_43431_5654.N1	21-JUN-2010 05:18:39	Bright	65.000	68	18Alp Cas	2.2250	4500.0	130	43431	No
66	GOM_NL__2PRFIN20100621_052043_000000482090_00291_43431_5655.N1	21-JUN-2010 05:20:43	Bright	48.000	160	23Gam Per	2.9300	4700.0	96	43431	No
67	GOM_NL__2PRFIN20100621_052409_000000582090_00291_43431_5656.N1	21-JUN-2010 05:24:09	Bright	58.000	73	57Gam1And	2.2600	13100.	116	43431	No
68	GOM_NL__2PRFIN20100621_052634_000000482090_00291_43431_5657.N1	21-JUN-2010 05:26:34	Twilight	48.000	53	43Bet And	2.0480	3300.0	96	43431	No
69	GOM_NL__2PRFIN20100621_053016_000000512090_00291_43431_5658.N1	21-JUN-2010 05:30:16	Twilight	51.000	50	13Alp Ari	2.0070	4250.0	102	43431	No
70	GOM_NL__2PRFIN20100621_054706_000000622090_00291_43431_5659.N1	21-JUN-2010 05:47:06	Dark	61.500	52	16Bet Cet	2.0370	4500.0	123	43431	No
71	GOM_NL__2PRFIN20100621_055256_000000482090_00291_43431_5660.N1	21-JUN-2010 05:52:56	Dark	47.500	84	Alp Phe	2.3970	4500.0	95	43431	No
72	GOM_NL__2PRFIN20100621_055920_000000562090_00292_43432_5648.N1	21-JUN-2010 05:59:20	Dark	56.000	63	Bet Gru	2.1500	2800.0	112	43432	No
73	GOM_NL__2PRFIN20100621_060123_000000492090_00292_43432_5649.N1	21-JUN-2010 06:01:23	Straylight	49.000	31	Alp Gru	1.7340	15200.	98	43432	No
74	GOM_NL__2PRFIN20100621_060444_000000432090_00292_43432_5650.N1	21-JUN-2010 06:04:44	Straylight	42.500	45	Alp Pav	1.9400	26000.	85	43432	No
75	GOM_NL__2PRFIN20100621_061406_000000472090_00292_43432_5651.N1	21-JUN-2010 06:14:06	Twilight	46.500	38	20Eps Sgr	1.8360	11000.	93	43432	No
76	GOM_NL__2PRFIN20100621_061533_000000472090_00292_43432_5652.N1	21-JUN-2010 06:15:33	Twilight	47.000	116	19Del Sgr	2.7000	4100.0	94	43432	No
77	GOM_NL__2PRFIN20100621_061650_000000512090_00292_43432_5653.N1	21-JUN-2010 06:16:50	Bright	50.500	137	22Lam Sgr	2.8240	4400.0	101	43432	No
78	GOM_NL__2PRFIN20100621_062037_000000402090_00292_43432_5654.N1	21-JUN-2010 06:20:37	Bright	39.500	86	35Eta Oph	2.4300	10200.	79	43432	No
79	GOM_NL__2PRFIN20100621_062648_000000412090_00292_43432_5655.N1	21-JUN-2010 06:26:48	Bright	41.000	126	60Bet Oph	2.7700	4250.0	82	43432	No
80	GOM_NL__2PRFIN20100621_062914_000000392090_00292_43432_5656.N1	21-JUN-2010 06:29:14	Bright	39.000	59	55Alp Oph	2.0800	8900.0	78	43432	No
81	GOM_NL__2PRFIN20100621_063423_000000362090_00292_43432_5657.N1	21-JUN-2010 06:34:23	Bright	36.000	133	40Zet Her	2.8070	6000.0	72	43432	No
82	GOM_NL__2PRFIN20100621_064056_000000412090_00292_43432_5658.N1	21-JUN-2010 06:40:56	Bright	41.000	130	23Bet Dra	2.7990	5800.0	82	43432	No
83	GOM_NL__2PRFIN20100621_064249_000000372090_00292_43432_5659.N1	21-JUN-2010 06:42:49	Bright	36.500	119	14Eta Dra	2.7270	4700.0	73	43432	No
84	GOM_NL__2PRFIN20100621_065056_000000482090_00292_43432_5660.N1	21-JUN-2010 06:50:56	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	43432	No
85	GOM_NL__2PRFIN20100621_065745_000000462090_00292_43432_5661.N1	21-JUN-2010 06:57:45	Bright	45.500	74	11Bet Cas	2.2680	6600.0	91	43432	No
86	GOM_NL__2PRFIN20100621_065914_000000462090_00292_43432_5662.N1	21-JUN-2010 06:59:14	Bright	45.500	68	18Alp Cas	2.2250	4500.0	91	43432	No
87	GOM_NL__2PRFIN20100621_070119_000000532090_00292_43432_5663.N1	21-JUN-2010 07:01:19	Bright	53.000	160	23Gam Per	2.9300	4700.0	106	43432	No
88	GOM_NL__2PRFIN20100621_070445_000000422090_00292_43432_5664.N1	21-JUN-2010 07:04:45	Bright	41.500	73	57Gam1And	2.2600	13100.	83	43432	No
89	GOM_NL__2PRFIN20100621_070709_000000402090_00292_43432_5665.N1	21-JUN-2010 07:07:09	Twilight	40.000	53	43Bet And	2.0480	3300.0	80	43432	No
90	GOM_NL__2PRFIN20100621_071053_000000472090_00292_43432_5666.N1	21-JUN-2010 07:10:53	Twilight	46.500	50	13Alp Ari	2.0070	4250.0	93	43432	No
91	GOM_NL__2PRFIN20100621_072743_000000622090_00292_43432_5667.N1	21-JUN-2010 07:27:43	Dark	61.500	52	16Bet Cet	2.0370	4500.0	123	43432	No
92	GOM_NL__2PRFIN20100621_073333_000000582090_00292_43432_5668.N1	21-JUN-2010 07:33:33	Dark	58.000	84	Alp Phe	2.3970	4500.0	116	43432	No
93	GOM_NL__2PRFIN20100621_073957_000000642090_00293_43433_5676.N1	21-JUN-2010 07:39:57	Dark	64.000	63	Bet Gru	2.1500	2800.0	128	43433	No
94	GOM_NL__2PRFIN20100621_074200_000000482090_00293_43433_5677.N1	21-JUN-2010 07:42:00	Straylight	48.000	31	Alp Gru	1.7340	15200.	96	43433	No
95	GOM_NL__2PRFIN20100621_074521_000000442090_00293_43433_5678.N1	21-JUN-2010 07:45:21	Straylight	44.000	45	Alp Pav	1.9400	26000.	88	43433	No
96	GOM_NL__2PRFIN20100621_075442_000000452090_00293_43433_5679.N1	21-JUN-2010 07:54:42	Twilight	45.000	38	20Eps Sgr	1.8360	11000.	90	43433	No
97	GOM_NL__2PRFIN20100621_075609_000000522090_00293_43433_5680.N1	21-JUN-2010 07:56:09	Twilight	52.000	116	19Del Sgr	2.7000	4100.0	104	43433	No
98	GOM_NL__2PRFIN20100621_075726_000000462090_00293_43433_5681.N1	21-JUN-2010 07:57:26	Bright	45.500	137	22Lam Sgr	2.8240	4400.0	91	43433	No
99	GOM_NL__2PRFIN20100621_080114_000000392090_00293_43433_5682.N1	21-JUN-2010 08:01:14	Bright	39.000	86	35Eta Oph	2.4300	10200.	78	43433	No
100	GOM_NL__2PRFIN20100621_080724_000000412090_00293_43433_5683.N1	21-JUN-2010 08:07:24	Bright	40.500	126	60Bet Oph	2.7700	4250.0	81	43433	No
101	GOM_NL__2PRFIN20100621_080950_000000392090_00293_43433_5684.N1	21-JUN-2010 08:09:50	Bright	39.000	59	55Alp Oph	2.0800	8900.0	78	43433	No

102	GOM_NL__2PRFIN20100621_081459_000000362090_00293_43433_5685.N1	21-JUN-2010 08:14:59	Bright	35.500	133	40Zet Her	2.8070	6000.0	71	43433	No
103	GOM_NL__2PRFIN20100621_082132_000000422090_00293_43433_5686.N1	21-JUN-2010 08:21:32	Bright	41.500	130	23Bet Dra	2.7990	5800.0	83	43433	No
104	GOM_NL__2PRFIN20100621_082325_000000362090_00293_43433_5687.N1	21-JUN-2010 08:23:25	Bright	35.500	119	14Eta Dra	2.7270	4700.0	71	43433	No
105	GOM_NL__2PRFIN20100621_083131_000000482090_00293_43433_5688.N1	21-JUN-2010 08:31:31	Bright	48.000	89	5Alp Cep	2.4510	8000.0	96	43433	No
106	GOM_NL__2PRFIN20100621_083820_000000462090_00293_43433_5689.N1	21-JUN-2010 08:38:20	Bright	46.000	74	11Bet Cas	2.2680	6600.0	92	43433	No
107	GOM_NL__2PRFIN20100621_083950_000000442090_00293_43433_5690.N1	21-JUN-2010 08:39:50	Bright	43.500	68	18Alp Cas	2.2250	4500.0	87	43433	No
108	GOM_NL__2PRFIN20100621_084155_000000532090_00293_43433_5691.N1	21-JUN-2010 08:41:55	Bright	53.000	160	23Gam Per	2.9300	4700.0	106	43433	No
109	GOM_NL__2PRFIN20100621_084521_000000442090_00293_43433_5692.N1	21-JUN-2010 08:45:21	Bright	44.000	73	57Gam1And	2.2600	13100.	88	43433	No
110	GOM_NL__2PRFIN20100621_084745_000000402090_00293_43433_5693.N1	21-JUN-2010 08:47:45	Twilight	40.000	53	43Bet And	2.0480	3300.0	80	43433	No
111	GOM_NL__2PRFIN20100621_085129_000000492090_00293_43433_5694.N1	21-JUN-2010 08:51:29	Twilight	48.500	50	13Alp Ari	2.0070	4250.0	97	43433	No
112	GOM_NL__2PRFIN20100621_090820_000000612090_00293_43433_5695.N1	21-JUN-2010 09:08:20	Dark	60.500	52	16Bet Cet	2.0370	4500.0	121	43433	No
113	GOM_NL__2PRFIN20100621_091409_000000482090_00293_43433_5696.N1	21-JUN-2010 09:14:09	Dark	48.000	84	Alp Phe	2.3970	4500.0	96	43433	No
114	GOM_NL__2PRFIN20100621_092034_000000602090_00294_43434_6300.N1	21-JUN-2010 09:20:34	Dark	59.500	63	Bet Gru	2.1500	2800.0	119	43434	No
115	GOM_NL__2PRFIN20100621_092237_000000482090_00294_43434_6301.N1	21-JUN-2010 09:22:37	Straylight	48.000	31	Alp Gru	1.7340	15200.	96	43434	No
116	GOM_NL__2PRFIN20100621_092557_000000422090_00294_43434_6302.N1	21-JUN-2010 09:25:57	Straylight	42.000	45	Alp Pav	1.9400	26000.	84	43434	No
117	GOM_NL__2PRFIN20100621_093519_000000452090_00294_43434_6303.N1	21-JUN-2010 09:35:19	Twilight	44.500	38	20Eps Sgr	1.8360	11000.	89	43434	No
118	GOM_NL__2PRFIN20100621_093645_000000482090_00294_43434_6304.N1	21-JUN-2010 09:36:45	Twilight	47.500	116	19Del Sgr	2.7000	4100.0	95	43434	No
119	GOM_NL__2PRFIN20100621_094149_000000382090_00294_43434_6305.N1	21-JUN-2010 09:41:49	Bright	38.000	86	35Eta Oph	2.4300	10200.	76	43434	No
120	GOM_NL__2PRFIN20100621_094759_000000412090_00294_43434_6306.N1	21-JUN-2010 09:47:59	Bright	40.500	126	60Bet Oph	2.7700	4250.0	81	43434	No
121	GOM_NL__2PRFIN20100621_095025_000000412090_00294_43434_6307.N1	21-JUN-2010 09:50:25	Bright	40.500	59	55Alp Oph	2.0800	8900.0	81	43434	No
122	GOM_NL__2PRFIN20100621_095535_000000382090_00294_43434_6308.N1	21-JUN-2010 09:55:35	Bright	37.500	133	40Zet Her	2.8070	6000.0	75	43434	No
123	GOM_NL__2PRFIN20100621_100024_000000292090_00294_43434_6309.N1	21-JUN-2010 10:00:24	Twilight	29.000	5	3Alp Lyr	0.033000	11000.	58	43434	No
124	GOM_NL__2PRFIN20100621_100208_000000382090_00294_43434_6310.N1	21-JUN-2010 10:02:08	Bright	38.000	130	23Bet Dra	2.7990	5800.0	76	43434	No
125	GOM_NL__2PRFIN20100621_100400_000000372090_00294_43434_6311.N1	21-JUN-2010 10:04:00	Bright	36.500	119	14Eta Dra	2.7270	4700.0	73	43434	No
126	GOM_NL__2PRFIN20100621_101206_000000492090_00294_43434_6312.N1	21-JUN-2010 10:12:06	Bright	49.000	89	5Alp Cep	2.4510	8000.0	98	43434	No
127	GOM_NL__2PRFIN20100621_101856_000000452090_00294_43434_6313.N1	21-JUN-2010 10:18:56	Bright	44.500	74	11Bet Cas	2.2680	6600.0	89	43434	No
128	GOM_NL__2PRFIN20100621_102026_000000472090_00294_43434_6314.N1	21-JUN-2010 10:20:26	Bright	46.500	68	18Alp Cas	2.2250	4500.0	93	43434	No
129	GOM_NL__2PRFIN20100621_102231_000000332090_00294_43434_6315.N1	21-JUN-2010 10:22:31	Bright	33.000	160	23Gam Per	2.9300	4700.0	66	43434	No
130	GOM_NL__2PRFIN20100621_102557_000000452090_00294_43434_6316.N1	21-JUN-2010 10:25:57	Bright	44.500	73	57Gam1And	2.2600	13100.	89	43434	No
131	GOM_NL__2PRFIN20100621_102821_000000332090_00294_43434_6317.N1	21-JUN-2010 10:28:21	Twilight	33.000	53	43Bet And	2.0480	3300.0	66	43434	No
132	GOM_NL__2PRFIN20100621_103205_000000512090_00294_43434_6318.N1	21-JUN-2010 10:32:05	Twilight	51.000	50	13Alp Ari	2.0070	4250.0	102	43434	No
133	GOM_NL__2PRFIN20100621_104857_000000632090_00294_43434_6319.N1	21-JUN-2010 10:48:57	Dark	63.000	52	16Bet Cet	2.0370	4500.0	126	43434	No
134	GOM_NL__2PRFIN20100621_105446_000000442090_00294_43434_6320.N1	21-JUN-2010 10:54:46	Dark	43.500	84	Alp Phe	2.3970	4500.0	87	43434	No
135	GOM_NL__2PRFIN20100621_110111_000000512090_00295_43435_6300.N1	21-JUN-2010 11:01:11	Dark	51.000	63	Bet Gru	2.1500	2800.0	102	43435	No
136	GOM_NL__2PRFIN20100621_110314_000000522090_00295_43435_6301.N1	21-JUN-2010 11:03:14	Straylight	51.500	31	Alp Gru	1.7340	15200.	103	43435	No
137	GOM_NL__2PRFIN20100621_110633_000000432090_00295_43435_6302.N1	21-JUN-2010 11:06:33	Straylight	42.500	45	Alp Pav	1.9400	26000.	85	43435	No
138	GOM_NL__2PRFIN20100621_111555_000000482090_00295_43435_6303.N1	21-JUN-2010 11:15:55	Twilight	47.500	38	20Eps Sgr	1.8360	11000.	95	43435	No
139	GOM_NL__2PRFIN20100621_111722_000000492090_00295_43435_6304.N1	21-JUN-2010 11:17:22	Twilight	49.000	116	19Del Sgr	2.7000	4100.0	98	43435	No
140	GOM_NL__2PRFIN20100621_112225_000000392090_00295_43435_6305.N1	21-JUN-2010 11:22:25	Bright	38.500	86	35Eta Oph	2.4300	10200.	77	43435	No
141	GOM_NL__2PRFIN20100621_112835_000000402090_00295_43435_6306.N1	21-JUN-2010 11:28:35	Bright	40.000	126	60Bet Oph	2.7700	4250.0	80	43435	No
142	GOM_NL__2PRFIN20100621_113101_000000402090_00295_43435_6307.N1	21-JUN-2010 11:31:01	Bright	39.500	59	55Alp Oph	2.0800	8900.0	79	43435	No
143	GOM_NL__2PRFIN20100621_113611_000000362090_00295_43435_6308.N1	21-JUN-2010 11:36:11	Bright	36.000	133	40Zet Her	2.8070	6000.0	72	43435	No
144	GOM_NL__2PRFIN20100621_114059_000000292090_00295_43435_6309.N1	21-JUN-2010 11:40:59	Twilight	29.000	5	3Alp Lyr	0.033000	11000.	58	43435	No
145	GOM_NL__2PRFIN20100621_114243_000000412090_00295_43435_6310.N1	21-JUN-2010 11:42:43	Bright	40.500	130	23Bet Dra	2.7990	5800.0	81	43435	No
146	GOM_NL__2PRFIN20100621_114436_000000382090_00295_43435_6311.N1	21-JUN-2010 11:44:36	Bright	37.500	119	14Eta Dra	2.7270	4700.0	75	43435	No
147	GOM_NL__2PRFIN20100621_115931_000000452090_00295_43435_6312.N1	21-JUN-2010 11:59:31	Bright	45.000	74	11Bet Cas	2.2680	6600.0	90	43435	No
148	GOM_NL__2PRFIN20100621_120101_000000452090_00295_43435_6313.N1	21-JUN-2010 12:01:01	Bright	45.000	68	18Alp Cas	2.2250	4500.0	90	43435	No
149	GOM_NL__2PRFIN20100621_120307_000000532090_00295_43435_6314.N1	21-JUN-2010 12:03:07	Bright	53.000	160	23Gam Per	2.9300	4700.0	106	43435	No
150	GOM_NL__2PRFIN20100621_120633_000000462090_00295_43435_6315.N1	21-JUN-2010 12:06:33	Bright	45.500	73	57Gam1And	2.2600	13100.	91	43435	No
151	GOM_NL__2PRFIN20100621_120858_000000332090_00295_43435_6316.N1	21-JUN-2010 12:08:58	Twilight	33.000	53	43Bet And	2.0480	3300.0	66	43435	No
152	GOM_NL__2PRFIN20100621_121241_000000562090_00295_43435_6317.N1	21-JUN-2010 12:12:41	Twilight	55.500	50	13Alp Ari	2.0070	4250.0	111	43435	No
153	GOM_NL__2PRFIN20100621_122934_000000662090_00295_43435_6318.N1	21-JUN-2010 12:29:34	Dark	65.500	52	16Bet Cet	2.0370	4500.0	131	43435	No
154	GOM_NL__2PRFIN20100621_123523_000000462090_00295_43435_6319.N1	21-JUN-2010 12:35:23	Dark	45.500	84	Alp Phe	2.3970	4500.0	91	43435	No
155	GOM_NL__2PRFIN20100621_124148_000000602090_00296_43436_6300.N1	21-JUN-2010 12:41:48	Dark	59.500	63	Bet Gru	2.1500	2800.0	119	43436	No
156	GOM_NL__2PRFIN20100621_124350_000000502090_00296_43436_6301.N1	21-JUN-2010 12:43:50	Straylight	50.000	31	Alp Gru	1.7340	15200.	100	43436	No
157	GOM_NL__2PRFIN20100621_124710_000000492090_00296_43436_6302.N1	21-JUN-2010 12:47:10	Straylight	49.000	45	Alp Pav	1.9400	26000.	98	43436	No
158	GOM_NL__2PRFIN20100621_125631_000000462090_00296_43436_6303.N1	21-JUN-2010 12:56:31	Twilight	45.500	38	20Eps Sgr	1.8360	11000.	91	43436	No
159	GOM_NL__2PRFIN20100621_125757_000000482090_00296_43436_6304.N1	21-JUN-2010 12:57:57	Twilight	47.500	116	19Del Sgr	2.7000	4100.0	95	43436	No
160	GOM_NL__2PRFIN20100621_130301_000000382090_00296_43436_6305.N1	21-JUN-2010 13:03:01	Bright	38.000	86	35Eta Oph	2.4300	10200.	76	43436	No



161	GOM_NL__2PRFIN20100621_130911_000000432090_00296_43436_6306.N1	21-JUN-2010 13:09:11	Bright	42.500	126	60Bet Oph	2.7700	4250.0	85	43436	No
162	GOM_NL__2PRFIN20100621_131137_000000432090_00296_43436_6307.N1	21-JUN-2010 13:11:37	Bright	43.000	59	55Alp Oph	2.0800	8900.0	86	43436	No
163	GOM_NL__2PRFIN20100621_131647_000000532090_00296_43436_6308.N1	21-JUN-2010 13:16:47	Bright	53.000	133	40Zet Her	2.8070	6000.0	106	43436	No
164	GOM_NL__2PRFIN20100621_132134_000000352090_00296_43436_6309.N1	21-JUN-2010 13:21:34	Bright	35.000	5	3Alp Lyr	0.033000	11000.	70	43436	No
165	GOM_NL__2PRFIN20100621_132319_000000412090_00296_43436_6310.N1	21-JUN-2010 13:23:19	Bright	41.000	130	23Bet Dra	2.7990	5800.0	82	43436	No
166	GOM_NL__2PRFIN20100621_132512_000000382090_00296_43436_6311.N1	21-JUN-2010 13:25:12	Bright	38.000	119	14Eta Dra	2.7270	4700.0	76	43436	No
167	GOM_NL__2PRFIN20100621_133317_000000462090_00296_43436_6312.N1	21-JUN-2010 13:33:17	Bright	45.500	89	5Alp Cep	2.4510	8000.0	91	43436	No
168	GOM_NL__2PRFIN20100621_134007_000000462090_00296_43436_6313.N1	21-JUN-2010 13:40:07	Bright	46.000	74	11Bet Cas	2.2680	6600.0	92	43436	No
169	GOM_NL__2PRFIN20100621_134137_000000472090_00296_43436_6314.N1	21-JUN-2010 13:41:37	Bright	46.500	68	18Alp Cas	2.2250	4500.0	93	43436	No
170	GOM_NL__2PRFIN20100621_134342_000000452090_00296_43436_6315.N1	21-JUN-2010 13:43:42	Bright	45.000	160	23Gam Per	2.9300	4700.0	90	43436	No
171	GOM_NL__2PRFIN20100621_134709_000000592090_00296_43436_6316.N1	21-JUN-2010 13:47:09	Bright	59.000	73	57Gam1And	2.2600	13100.	118	43436	No
172	GOM_NL__2PRFIN20100621_134934_000000252090_00296_43436_6317.N1	21-JUN-2010 13:49:34	Twilight	25.000	53	43Bet And	2.0480	3300.0	50	43436	No
173	GOM_NL__2PRFIN20100621_135317_000000512090_00296_43436_6318.N1	21-JUN-2010 13:53:17	Twilight	51.000	50	13Alp Ari	2.0070	4250.0	102	43436	No
174	GOM_NL__2PRFIN20100621_141011_000000612090_00296_43436_6319.N1	21-JUN-2010 14:10:11	Dark	61.000	52	16Bet Cet	2.0370	4500.0	122	43436	No
175	GOM_NL__2PRFIN20100621_141600_000000472090_00296_43436_6320.N1	21-JUN-2010 14:16:00	Dark	46.500	84	Alp Phe	2.3970	4500.0	93	43436	No
176	GOM_NL__2PRFIN20100621_142225_000000522090_00297_43437_6300.N1	21-JUN-2010 14:22:25	Dark	51.500	63	Bet Gru	2.1500	2800.0	103	43437	No
177	GOM_NL__2PRFIN20100621_142427_000000502090_00297_43437_6301.N1	21-JUN-2010 14:24:27	Straylight	50.000	31	Alp Gru	1.7340	15200.	100	43437	No
178	GOM_NL__2PRFIN20100621_142746_000000422090_00297_43437_6302.N1	21-JUN-2010 14:27:46	Straylight	41.500	45	Alp Pav	1.9400	26000.	83	43437	No
179	GOM_NL__2PRFIN20100621_143707_000000452090_00297_43437_6303.N1	21-JUN-2010 14:37:07	Twilight	45.000	38	20Eps Sgr	1.8360	11000.	90	43437	No
180	GOM_NL__2PRFIN20100621_143834_000000492090_00297_43437_6304.N1	21-JUN-2010 14:38:34	Twilight	48.500	116	19Del Sgr	2.7000	4100.0	97	43437	No
181	GOM_NL__2PRFIN20100621_144337_000000392090_00297_43437_6305.N1	21-JUN-2010 14:43:37	Bright	39.000	86	35Eta Oph	2.4300	10200.	78	43437	No
182	GOM_NL__2PRFIN20100621_144947_000000412090_00297_43437_6306.N1	21-JUN-2010 14:49:47	Bright	41.000	126	60Bet Oph	2.7700	4250.0	82	43437	No
183	GOM_NL__2PRFIN20100621_145212_000000592090_00297_43437_6307.N1	21-JUN-2010 14:52:12	Bright	59.000	59	55Alp Oph	2.0800	8900.0	118	43437	No
184	GOM_NL__2PRFIN20100621_145723_000000382090_00297_43437_6308.N1	21-JUN-2010 14:57:23	Bright	38.000	133	40Zet Her	2.8070	6000.0	76	43437	No
185	GOM_NL__2PRFIN20100621_150209_000000352090_00297_43437_6309.N1	21-JUN-2010 15:02:09	Bright	35.000	5	3Alp Lyr	0.033000	11000.	70	43437	No
186	GOM_NL__2PRFIN20100621_150354_000000402090_00297_43437_6310.N1	21-JUN-2010 15:03:54	Bright	39.500	130	23Bet Dra	2.7990	5800.0	79	43437	No
187	GOM_NL__2PRFIN20100621_150548_000000392090_00297_43437_6311.N1	21-JUN-2010 15:05:48	Bright	38.500	119	14Eta Dra	2.7270	4700.0	77	43437	No
188	GOM_NL__2PRFIN20100621_151352_000000492090_00297_43437_6312.N1	21-JUN-2010 15:13:52	Bright	48.500	89	5Alp Cep	2.4510	8000.0	97	43437	No
189	GOM_NL__2PRFIN20100621_152042_000000662090_00297_43437_6313.N1	21-JUN-2010 15:20:42	Bright	66.000	74	11Bet Cas	2.2680	6600.0	132	43437	No
190	GOM_NL__2PRFIN20100621_152212_000000452090_00297_43437_6314.N1	21-JUN-2010 15:22:12	Bright	45.000	68	18Alp Cas	2.2250	4500.0	90	43437	No
191	GOM_NL__2PRFIN20100621_152419_000000362090_00297_43437_6315.N1	21-JUN-2010 15:24:19	Bright	35.500	160	23Gam Per	2.9300	4700.0	71	43437	No
192	GOM_NL__2PRFIN20100621_152745_000000432090_00297_43437_6316.N1	21-JUN-2010 15:27:45	Bright	43.000	73	57Gam1And	2.2600	13100.	86	43437	No
193	GOM_NL__2PRFIN20100621_153009_000000252090_00297_43437_6317.N1	21-JUN-2010 15:30:09	Twilight	25.000	53	43Bet And	2.0480	3300.0	50	43437	No
194	GOM_NL__2PRFIN20100621_153354_000000532090_00297_43437_6318.N1	21-JUN-2010 15:33:54	Twilight	52.500	50	13Alp Ari	2.0070	4250.0	105	43437	No
195	GOM_NL__2PRFIN20100621_155049_000000622090_00297_43437_6319.N1	21-JUN-2010 15:50:49	Dark	62.000	52	16Bet Cet	2.0370	4500.0	124	43437	No
196	GOM_NL__2PRFIN20100621_155637_000000482090_00297_43437_6320.N1	21-JUN-2010 15:56:37	Dark	47.500	84	Alp Phe	2.3970	4500.0	95	43437	No
197	GOM_NL__2PRFIN20100621_160302_000000502090_00298_43438_6300.N1	21-JUN-2010 16:03:02	Dark	49.500	63	Bet Gru	2.1500	2800.0	99	43438	No
198	GOM_NL__2PRFIN20100621_160505_000000482090_00298_43438_6301.N1	21-JUN-2010 16:05:05	Straylight	48.000	31	Alp Gru	1.7340	15200.	96	43438	No
199	GOM_NL__2PRFIN20100621_160823_000000422090_00298_43438_6302.N1	21-JUN-2010 16:08:23	Straylight	42.000	45	Alp Pav	1.9400	26000.	84	43438	No
200	GOM_NL__2PRFIN20100621_161744_000000472090_00298_43438_6303.N1	21-JUN-2010 16:17:44	Twilight	46.500	38	20Eps Sgr	1.8360	11000.	93	43438	No
201	GOM_NL__2PRFIN20100621_161910_000000492090_00298_43438_6304.N1	21-JUN-2010 16:19:10	Twilight	49.000	116	19Del Sgr	2.7000	4100.0	98	43438	No
202	GOM_NL__2PRFIN20100621_162122_000000282090_00298_43438_6305.N1	21-JUN-2010 16:21:22	Twilight	28.000	155	41Pi Sgr	2.9000	6600.0	56	43438	No
203	GOM_NL__2PRFIN20100621_162413_000000392090_00298_43438_6306.N1	21-JUN-2010 16:24:13	Bright	38.500	86	35Eta Oph	2.4300	10200.	77	43438	No
204	GOM_NL__2PRFIN20100621_163022_000000402090_00298_43438_6307.N1	21-JUN-2010 16:30:22	Bright	40.000	126	60Bet Oph	2.7700	4250.0	80	43438	No
205	GOM_NL__2PRFIN20100621_163248_000000412090_00298_43438_6308.N1	21-JUN-2010 16:32:48	Bright	41.000	59	55Alp Oph	2.0800	8900.0	82	43438	No
206	GOM_NL__2PRFIN20100621_163758_000000392090_00298_43438_6309.N1	21-JUN-2010 16:37:58	Bright	38.500	133	40Zet Her	2.8070	6000.0	77	43438	No
207	GOM_NL__2PRFIN20100621_164245_000000412090_00298_43438_6310.N1	21-JUN-2010 16:42:45	Bright	41.000	5	3Alp Lyr	0.033000	11000.	82	43438	No
208	GOM_NL__2PRFIN20100621_164430_000000422090_00298_43438_6311.N1	21-JUN-2010 16:44:30	Bright	41.500	130	23Bet Dra	2.7990	5800.0	83	43438	No
209	GOM_NL__2PRFIN20100621_164624_000000382090_00298_43438_6312.N1	21-JUN-2010 16:46:24	Bright	38.000	119	14Eta Dra	2.7270	4700.0	76	43438	No
210	GOM_NL__2PRFIN20100621_165427_000000492090_00298_43438_6313.N1	21-JUN-2010 16:54:27	Bright	48.500	89	5Alp Cep	2.4510	8000.0	97	43438	No
211	GOM_NL__2PRFIN20100621_170118_000000472090_00298_43438_6314.N1	21-JUN-2010 17:01:18	Bright	47.000	74	11Bet Cas	2.2680	6600.0	94	43438	No
212	GOM_NL__2PRFIN20100621_170248_000000472090_00298_43438_6315.N1	21-JUN-2010 17:02:48	Bright	46.500	68	18Alp Cas	2.2250	4500.0	93	43438	No
213	GOM_NL__2PRFIN20100621_170454_000000372090_00298_43438_6316.N1	21-JUN-2010 17:04:54	Bright	36.500	160	23Gam Per	2.9300	4700.0	73	43438	No
214	GOM_NL__2PRFIN20100621_170821_000000462090_00298_43438_6317.N1	21-JUN-2010 17:08:21	Bright	46.000	73	57Gam1And	2.2600	13100.	92	43438	No
215	GOM_NL__2PRFIN20100621_171043_000000452090_00298_43438_6318.N1	21-JUN-2010 17:10:43	Twilight	44.500	173	4Bet Tri	3.0040	8900.0	89	43438	No
216	GOM_NL__2PRFIN20100621_171430_000000512090_00298_43438_6319.N1	21-JUN-2010 17:14:30	Twilight	50.500	50	13Alp Ari	2.0070	4250.0	101	43438	No
217	GOM_NL__2PRFIN20100621_173126_000000642090_00298_43438_6320.N1	21-JUN-2010 17:31:26	Dark	64.000	52	16Bet Cet	2.0370	4500.0	128	43438	No
218	GOM_NL__2PRFIN20100621_173713_000000442090_00298_43438_6321.N1	21-JUN-2010 17:37:13	Dark	44.000	84	Alp Phe	2.3970	4500.0	88	43438	No
219	GOM_NL__2PRFIN20100621_174339_000000492090_00299_43439_6300.N1	21-JUN-2010 17:43:39	Dark	49.000	63	Bet Gru	2.1500	2800.0	98	43439	No

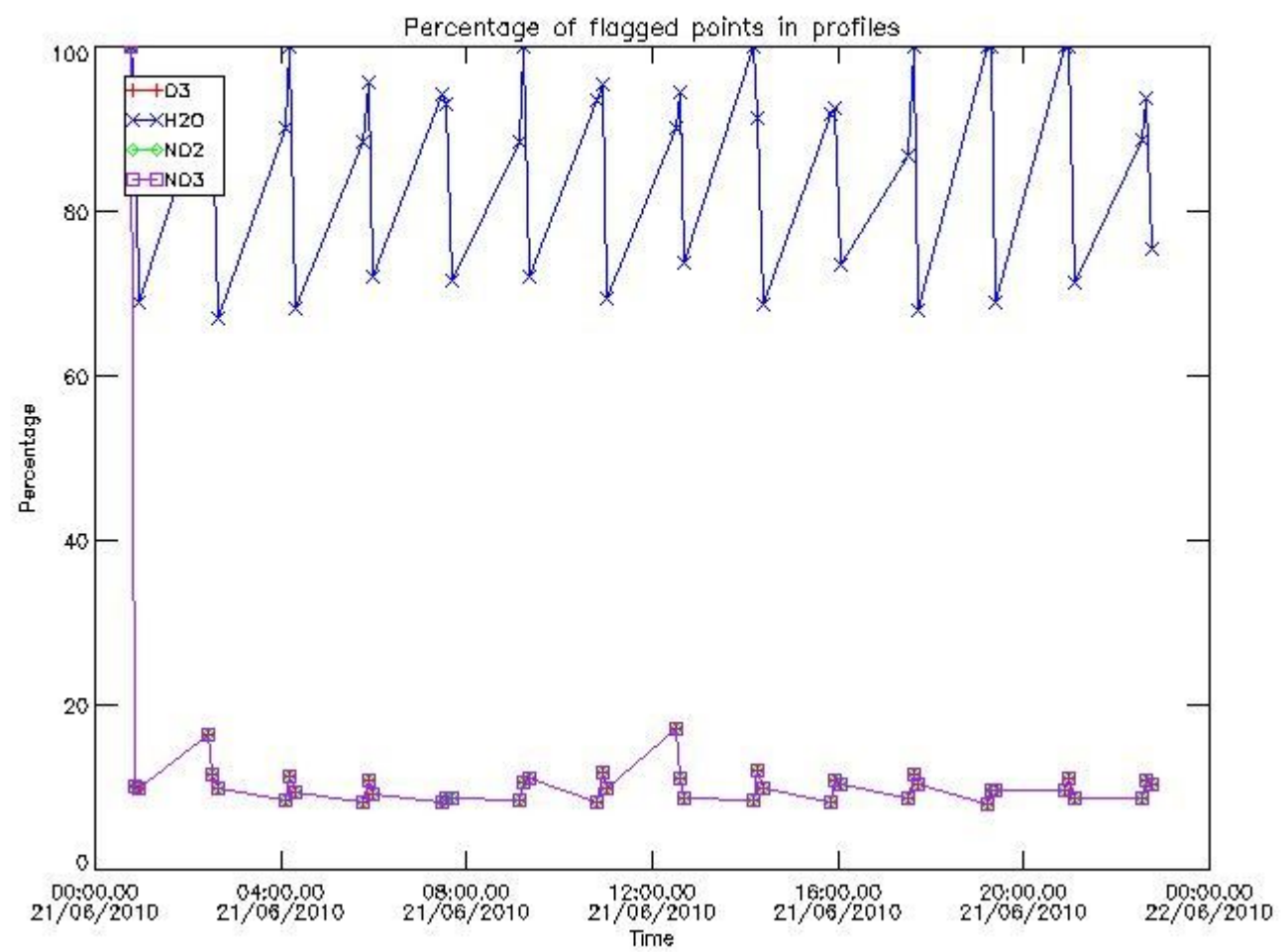
220	GOM_NL__2PRFIN20100621_174541_000000492090_00299_43439_6301.N1	21-JUN-2010 17:45:41	Straylight	48.500	31	Alp Gru	1.7340	15200.	97	43439	No
221	GOM_NL__2PRFIN20100621_174900_000000422090_00299_43439_6302.N1	21-JUN-2010 17:49:00	Straylight	42.000	45	Alp Pav	1.9400	26000.	84	43439	No
222	GOM_NL__2PRFIN20100621_175820_000000502090_00299_43439_6303.N1	21-JUN-2010 17:58:20	Tw_i_and_stray	49.500	38	20Eps Sgr	1.8360	11000.	99	43439	No
223	GOM_NL__2PRFIN20100621_175946_000000522090_00299_43439_6304.N1	21-JUN-2010 17:59:46	Tw_i_and_stray	52.000	116	19Del Sgr	2.7000	4100.0	104	43439	No
224	GOM_NL__2PRFIN20100621_180158_000000282090_00299_43439_6305.N1	21-JUN-2010 18:01:58	Tw_i_and_stray	28.000	155	41Pi Sgr	2.9000	6600.0	56	43439	No
225	GOM_NL__2PRFIN20100621_180450_000000392090_00299_43439_6306.N1	21-JUN-2010 18:04:50	Bright	39.000	86	35Eta Oph	2.4300	10200.	78	43439	No
226	GOM_NL__2PRFIN20100621_181058_000000412090_00299_43439_6307.N1	21-JUN-2010 18:10:58	Bright	41.000	126	60Bet Oph	2.7700	4250.0	82	43439	No
227	GOM_NL__2PRFIN20100621_181324_000000412090_00299_43439_6308.N1	21-JUN-2010 18:13:24	Bright	41.000	59	55Alp Oph	2.0800	8900.0	82	43439	No
228	GOM_NL__2PRFIN20100621_181834_000000382090_00299_43439_6309.N1	21-JUN-2010 18:18:34	Bright	38.000	133	40Zet Her	2.8070	6000.0	76	43439	No
229	GOM_NL__2PRFIN20100621_182320_000000412090_00299_43439_6310.N1	21-JUN-2010 18:23:20	Bright	41.000	5	3Alp Lyr	0.033000	11000.	82	43439	No
230	GOM_NL__2PRFIN20100621_182506_000000382090_00299_43439_6311.N1	21-JUN-2010 18:25:06	Bright	37.500	130	23Bet Dra	2.7990	5800.0	75	43439	No
231	GOM_NL__2PRFIN20100621_182700_000000382090_00299_43439_6312.N1	21-JUN-2010 18:27:00	Bright	37.500	119	14Eta Dra	2.7270	4700.0	75	43439	No
232	GOM_NL__2PRFIN20100621_183503_000000492090_00299_43439_6313.N1	21-JUN-2010 18:35:03	Bright	48.500	89	5Alp Cep	2.4510	8000.0	97	43439	No
233	GOM_NL__2PRFIN20100621_184153_000000482090_00299_43439_6314.N1	21-JUN-2010 18:41:53	Bright	48.000	74	11Bet Cas	2.2680	6600.0	96	43439	No
234	GOM_NL__2PRFIN20100621_184324_000000452090_00299_43439_6315.N1	21-JUN-2010 18:43:24	Bright	45.000	68	18Alp Cas	2.2250	4500.0	90	43439	No
235	GOM_NL__2PRFIN20100621_184530_000000462090_00299_43439_6316.N1	21-JUN-2010 18:45:30	Bright	45.500	160	23Gam Per	2.9300	4700.0	91	43439	No
236	GOM_NL__2PRFIN20100621_184856_000000442090_00299_43439_6317.N1	21-JUN-2010 18:48:56	Bright	44.000	73	57Gam1And	2.2600	13100.	88	43439	No
237	GOM_NL__2PRFIN20100621_185119_000000452090_00299_43439_6318.N1	21-JUN-2010 18:51:19	Tw_i_and_stray	44.500	173	4Bet Tri	3.0040	8900.0	89	43439	No
238	GOM_NL__2PRFIN20100621_185506_000000522090_00299_43439_6319.N1	21-JUN-2010 18:55:06	Twilight	51.500	50	13Alp Ari	2.0070	4250.0	103	43439	No
239	GOM_NL__2PRFIN20100621_191203_000000642090_00299_43439_6320.N1	21-JUN-2010 19:12:03	Dark	64.000	52	16Bet Cet	2.0370	4500.0	128	43439	No
240	GOM_NL__2PRFIN20100621_191750_000000532090_00299_43439_6321.N1	21-JUN-2010 19:17:50	Dark	53.000	84	Alp Phe	2.3970	4500.0	106	43439	No
241	GOM_NL__2PRFIN20100621_192416_000000542090_00300_43440_6300.N1	21-JUN-2010 19:24:16	Dark	53.500	63	Bet Gru	2.1500	2800.0	107	43440	No
242	GOM_NL__2PRFIN20100621_192618_000000482090_00300_43440_6301.N1	21-JUN-2010 19:26:18	Straylight	47.500	31	Alp Gru	1.7340	15200.	95	43440	No
243	GOM_NL__2PRFIN20100621_192936_000000442090_00300_43440_6302.N1	21-JUN-2010 19:29:36	Straylight	43.500	45	Alp Pav	1.9400	26000.	87	43440	No
244	GOM_NL__2PRFIN20100621_193856_000000452090_00300_43440_6303.N1	21-JUN-2010 19:38:56	Tw_i_and_stray	44.500	38	20Eps Sgr	1.8360	11000.	89	43440	No
245	GOM_NL__2PRFIN20100621_194023_000000592090_00300_43440_6304.N1	21-JUN-2010 19:40:23	Bright	59.000	116	19Del Sgr	2.7000	4100.0	118	43440	No
246	GOM_NL__2PRFIN20100621_194234_000000332090_00300_43440_6305.N1	21-JUN-2010 19:42:34	Tw_i_and_stray	33.000	155	41Pi Sgr	2.9000	6600.0	66	43440	No
247	GOM_NL__2PRFIN20100621_194526_000000392090_00300_43440_6306.N1	21-JUN-2010 19:45:26	Bright	38.500	86	35Eta Oph	2.4300	10200.	77	43440	No
248	GOM_NL__2PRFIN20100621_195134_000000412090_00300_43440_6307.N1	21-JUN-2010 19:51:34	Bright	40.500	126	60Bet Oph	2.7700	4250.0	81	43440	No
249	GOM_NL__2PRFIN20100621_195359_000000412090_00300_43440_6308.N1	21-JUN-2010 19:53:59	Bright	40.500	59	55Alp Oph	2.0800	8900.0	81	43440	No
250	GOM_NL__2PRFIN20100621_195910_000000372090_00300_43440_6309.N1	21-JUN-2010 19:59:10	Bright	36.500	133	40Zet Her	2.8070	6000.0	73	43440	No
251	GOM_NL__2PRFIN20100621_200355_000000472090_00300_43440_6310.N1	21-JUN-2010 20:03:55	Bright	47.000	5	3Alp Lyr	0.033000	11000.	94	43440	No
252	GOM_NL__2PRFIN20100621_200541_000000402090_00300_43440_6311.N1	21-JUN-2010 20:05:41	Bright	40.000	130	23Bet Dra	2.7990	5800.0	80	43440	No
253	GOM_NL__2PRFIN20100621_200736_000000402090_00300_43440_6312.N1	21-JUN-2010 20:07:36	Bright	39.500	119	14Eta Dra	2.7270	4700.0	79	43440	No
254	GOM_NL__2PRFIN20100621_201538_000000482090_00300_43440_6313.N1	21-JUN-2010 20:15:38	Bright	48.000	89	5Alp Cep	2.4510	8000.0	96	43440	No
255	GOM_NL__2PRFIN20100621_202229_000000462090_00300_43440_6314.N1	21-JUN-2010 20:22:29	Bright	45.500	74	11Bet Cas	2.2680	6600.0	91	43440	No
256	GOM_NL__2PRFIN20100621_202359_000000652090_00300_43440_6315.N1	21-JUN-2010 20:23:59	Bright	65.000	68	18Alp Cas	2.2250	4500.0	130	43440	No
257	GOM_NL__2PRFIN20100621_202606_000000532090_00300_43440_6316.N1	21-JUN-2010 20:26:06	Bright	53.000	160	23Gam Per	2.9300	4700.0	106	43440	No
258	GOM_NL__2PRFIN20100621_202933_000000462090_00300_43440_6317.N1	21-JUN-2010 20:29:33	Bright	46.000	73	57Gam1And	2.2600	13100.	92	43440	No
259	GOM_NL__2PRFIN20100621_203155_000000452090_00300_43440_6318.N1	21-JUN-2010 20:31:55	Tw_i_and_stray	44.500	173	4Bet Tri	3.0040	8900.0	89	43440	No
260	GOM_NL__2PRFIN20100621_203542_000000472090_00300_43440_6319.N1	21-JUN-2010 20:35:42	Twilight	46.500	50	13Alp Ari	2.0070	4250.0	93	43440	No
261	GOM_NL__2PRFIN20100621_205240_000000582090_00300_43440_6320.N1	21-JUN-2010 20:52:40	Dark	58.000	52	16Bet Cet	2.0370	4500.0	116	43440	No
262	GOM_NL__2PRFIN20100621_205827_000000462090_00300_43440_6321.N1	21-JUN-2010 20:58:27	Dark	45.500	84	Alp Phe	2.3970	4500.0	91	43440	No
263	GOM_NL__2PRFIN20100621_210452_000000582090_00301_43441_6300.N1	21-JUN-2010 21:04:52	Dark	58.000	63	Bet Gru	2.1500	2800.0	116	43441	No
264	GOM_NL__2PRFIN20100621_210655_000000492090_00301_43441_6301.N1	21-JUN-2010 21:06:55	Straylight	48.500	31	Alp Gru	1.7340	15200.	97	43441	No
265	GOM_NL__2PRFIN20100621_211012_000000422090_00301_43441_6302.N1	21-JUN-2010 21:10:12	Straylight	42.000	45	Alp Pav	1.9400	26000.	84	43441	No
266	GOM_NL__2PRFIN20100621_211932_000000472090_00301_43441_6303.N1	21-JUN-2010 21:19:32	Tw_i_and_stray	47.000	38	20Eps Sgr	1.8360	11000.	94	43441	No
267	GOM_NL__2PRFIN20100621_212059_000000472090_00301_43441_6304.N1	21-JUN-2010 21:20:59	Tw_i_and_stray	47.000	116	19Del Sgr	2.7000	4100.0	94	43441	No
268	GOM_NL__2PRFIN20100621_212310_000000332090_00301_43441_6305.N1	21-JUN-2010 21:23:10	Tw_i_and_stray	33.000	155	41Pi Sgr	2.9000	6600.0	66	43441	No
269	GOM_NL__2PRFIN20100621_212602_000000382090_00301_43441_6306.N1	21-JUN-2010 21:26:02	Bright	38.000	86	35Eta Oph	2.4300	10200.	76	43441	No
270	GOM_NL__2PRFIN20100621_213209_000000412090_00301_43441_6307.N1	21-JUN-2010 21:32:09	Bright	41.000	126	60Bet Oph	2.7700	4250.0	82	43441	No
271	GOM_NL__2PRFIN20100621_213435_000000402090_00301_43441_6308.N1	21-JUN-2010 21:34:35	Bright	39.500	59	55Alp Oph	2.0800	8900.0	79	43441	No
272	GOM_NL__2PRFIN20100621_213946_000000362090_00301_43441_6309.N1	21-JUN-2010 21:39:46	Bright	35.500	133	40Zet Her	2.8070	6000.0	71	43441	No
273	GOM_NL__2PRFIN20100621_214430_000000452090_00301_43441_6310.N1	21-JUN-2010 21:44:30	Bright	45.000	5	3Alp Lyr	0.033000	11000.	90	43441	No
274	GOM_NL__2PRFIN20100621_214617_000000402090_00301_43441_6311.N1	21-JUN-2010 21:46:17	Bright	39.500	130	23Bet Dra	2.7990	5800.0	79	43441	No
275	GOM_NL__2PRFIN20100621_214811_000000402090_00301_43441_6312.N1	21-JUN-2010 21:48:11	Bright	39.500	119	14Eta Dra	2.7270	4700.0	79	43441	No
276	GOM_NL__2PRFIN20100621_215613_000000462090_00301_43441_6313.N1	21-JUN-2010 21:56:13	Bright	46.000	89	5Alp Cep	2.4510	8000.0	92	43441	No
277	GOM_NL__2PRFIN20100621_220304_000000662090_00301_43441_6314.N1	21-JUN-2010 22:03:04	Bright	66.000	74	11Bet Cas	2.2680	6600.0	132	43441	No
278	GOM_NL__2PRFIN20100621_220435_000000492090_00301_43441_6315.N1	21-JUN-2010 22:04:35	Bright	49.000	68	18Alp Cas	2.2250	4500.0	98	43441	No

279	GOM_NL__2PRFIN20100621_220642_000000532090_00301_43441_6316.N1	21-JUN-2010 22:06:42	Bright	53.000	160	23Gam Per	2.9300	4700.0	106	43441	No
280	GOM_NL__2PRFIN20100621_221009_000000452090_00301_43441_6317.N1	21-JUN-2010 22:10:09	Bright	45.000	73	57Gam1And	2.2600	13100.	90	43441	No
281	GOM_NL__2PRFIN20100621_221231_000000442090_00301_43441_6318.N1	21-JUN-2010 22:12:31	Twilight	43.500	173	4Bet Tri	3.0040	8900.0	87	43441	No
282	GOM_NL__2PRFIN20100621_221618_000000512090_00301_43441_6319.N1	21-JUN-2010 22:16:18	Twilight	50.500	50	13Alp Ari	2.0070	4250.0	101	43441	No
283	GOM_NL__2PRFIN20100621_223317_000000582090_00301_43441_6320.N1	21-JUN-2010 22:33:17	Dark	58.000	52	16Bet Cet	2.0370	4500.0	116	43441	No
284	GOM_NL__2PRFIN20100621_223904_000000482090_00301_43441_6321.N1	21-JUN-2010 22:39:04	Dark	47.500	84	Alp Phe	2.3970	4500.0	95	43441	No
285	GOM_NL__2PRFIN20100621_224530_000000502090_00302_43442_6300.N1	21-JUN-2010 22:45:30	Dark	49.500	63	Bet Gru	2.1500	2800.0	99	43442	No
286	GOM_NL__2PRFIN20100621_224732_000000502090_00302_43442_6301.N1	21-JUN-2010 22:47:32	Straylight	49.500	31	Alp Gru	1.7340	15200.	99	43442	No
287	GOM_NL__2PRFIN20100621_225049_000000512090_00302_43442_6302.N1	21-JUN-2010 22:50:49	Straylight	51.000	45	Alp Pav	1.9400	26000.	102	43442	No
288	GOM_NL__2PRFIN20100621_230008_000000452090_00302_43442_6303.N1	21-JUN-2010 23:00:08	Twilight	45.000	38	20Eps Sgr	1.8360	11000.	90	43442	No
289	GOM_NL__2PRFIN20100621_230135_000000472090_00302_43442_6304.N1	21-JUN-2010 23:01:35	Twilight	47.000	116	19Del Sgr	2.7000	4100.0	94	43442	No
290	GOM_NL__2PRFIN20100621_230346_000000382090_00302_43442_6305.N1	21-JUN-2010 23:03:46	Bright	38.000	155	41Pi Sgr	2.9000	6600.0	76	43442	No
291	GOM_NL__2PRFIN20100621_230638_000000392090_00302_43442_6306.N1	21-JUN-2010 23:06:38	Bright	39.000	86	35Eta Oph	2.4300	10200.	78	43442	No
292	GOM_NL__2PRFIN20100621_231246_000000402090_00302_43442_6307.N1	21-JUN-2010 23:12:46	Bright	40.000	126	60Bet Oph	2.7700	4250.0	80	43442	No
293	GOM_NL__2PRFIN20100621_231511_000000402090_00302_43442_6308.N1	21-JUN-2010 23:15:11	Bright	40.000	59	55Alp Oph	2.0800	8900.0	80	43442	No
294	GOM_NL__2PRFIN20100621_232022_000000382090_00302_43442_6309.N1	21-JUN-2010 23:20:22	Bright	37.500	133	40Zet Her	2.8070	6000.0	75	43442	No
295	GOM_NL__2PRFIN20100621_232505_000000452090_00302_43442_6310.N1	21-JUN-2010 23:25:05	Bright	44.500	5	3Alp Lyr	0.033000	11000.	89	43442	No
296	GOM_NL__2PRFIN20100621_232653_000000412090_00302_43442_6311.N1	21-JUN-2010 23:26:53	Bright	40.500	130	23Bet Dra	2.7990	5800.0	81	43442	No
297	GOM_NL__2PRFIN20100621_233648_000000442090_00302_43442_6312.N1	21-JUN-2010 23:36:48	Bright	43.500	89	5Alp Cep	2.4510	8000.0	87	43442	No
298	GOM_NL__2PRFIN20100621_234340_000000452090_00302_43442_6313.N1	21-JUN-2010 23:43:40	Bright	45.000	74	11Bet Cas	2.2680	6600.0	90	43442	No
299	GOM_NL__2PRFIN20100621_234510_000000472090_00302_43442_6314.N1	21-JUN-2010 23:45:10	Bright	47.000	68	18Alp Cas	2.2250	4500.0	94	43442	No
300	GOM_NL__2PRFIN20100621_234718_000000532090_00302_43442_6315.N1	21-JUN-2010 23:47:18	Bright	53.000	160	23Gam Per	2.9300	4700.0	106	43442	No
301	GOM_NL__2PRFIN20100621_235044_000000592090_00302_43442_6316.N1	21-JUN-2010 23:50:44	Bright	59.000	73	57Gam1And	2.2600	13100.	118	43442	No
302	GOM_NL__2PRFIN20100621_235307_000000462090_00302_43442_6317.N1	21-JUN-2010 23:53:07	Twilight	46.000	173	4Bet Tri	3.0040	8900.0	92	43442	No
303	GOM_NL__2PRFIN20100621_235654_000000582090_00302_43442_6318.N1	21-JUN-2010 23:56:54	Twilight	57.500	50	13Alp Ari	2.0070	4250.0	115	43442	No

### 3. Quality information per product

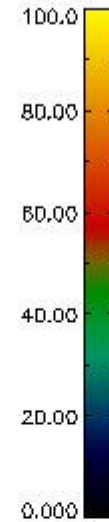
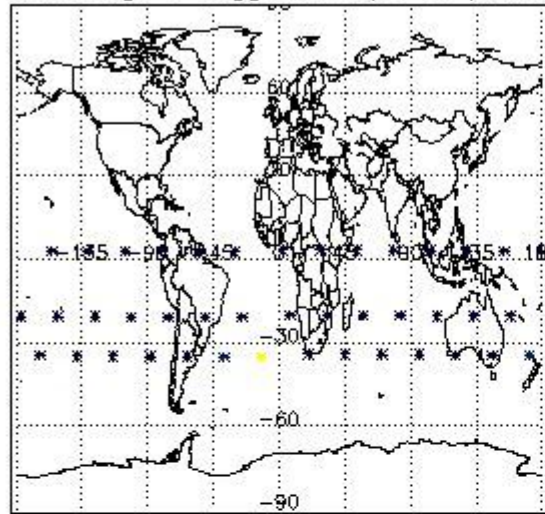
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

#### 3.1 Plot quality information per product (time dependant)

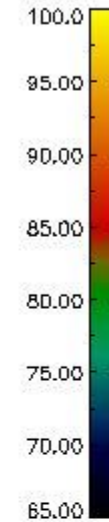
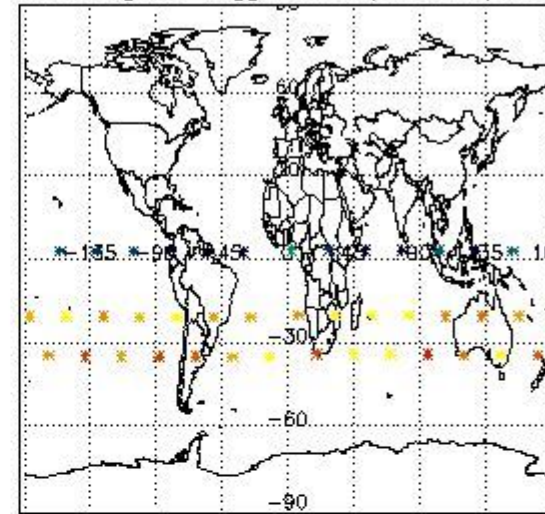


*3.2 Plot quality information per product (world map)*

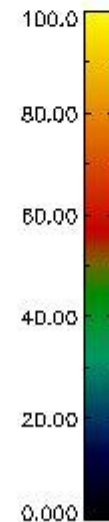
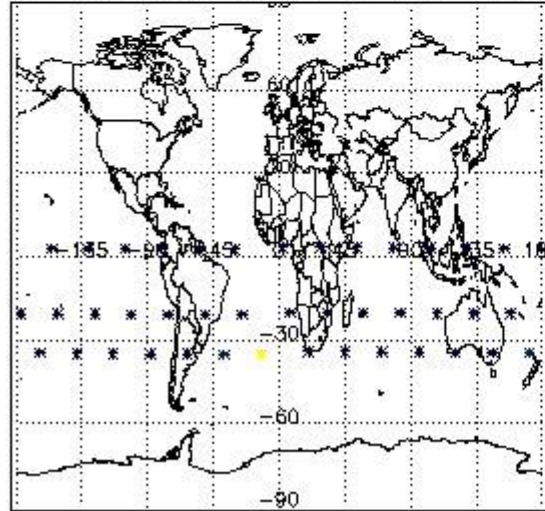
Percentage of flagged data per O3 profile



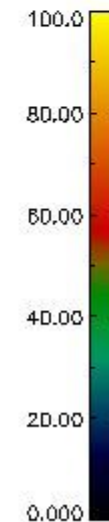
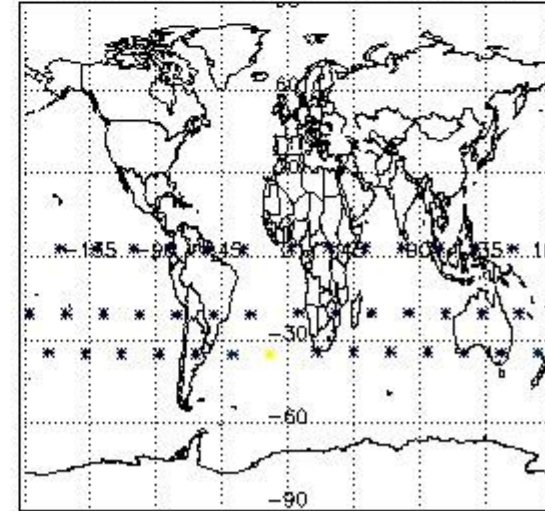
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

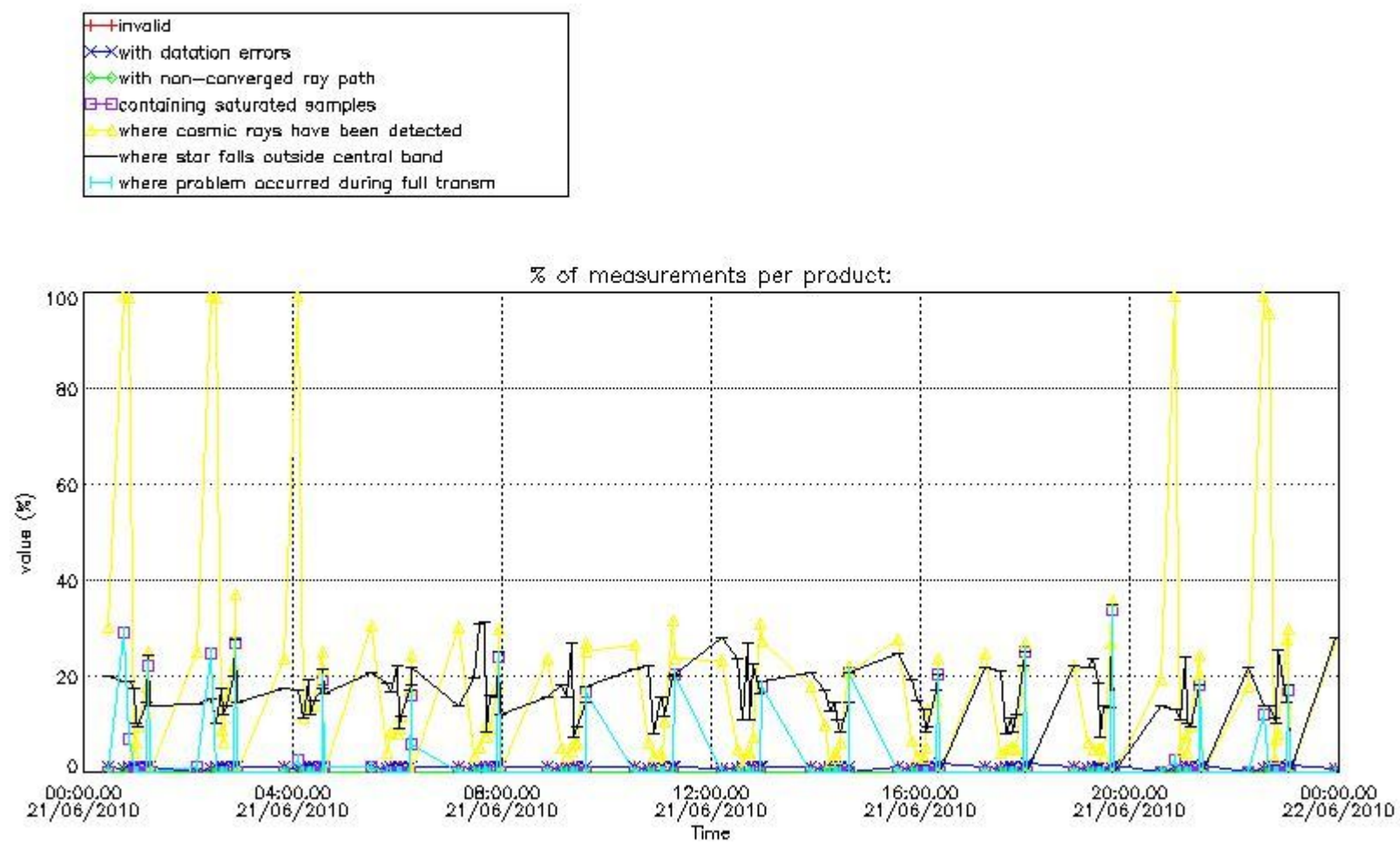


#### 4. Level 1 quality information per product

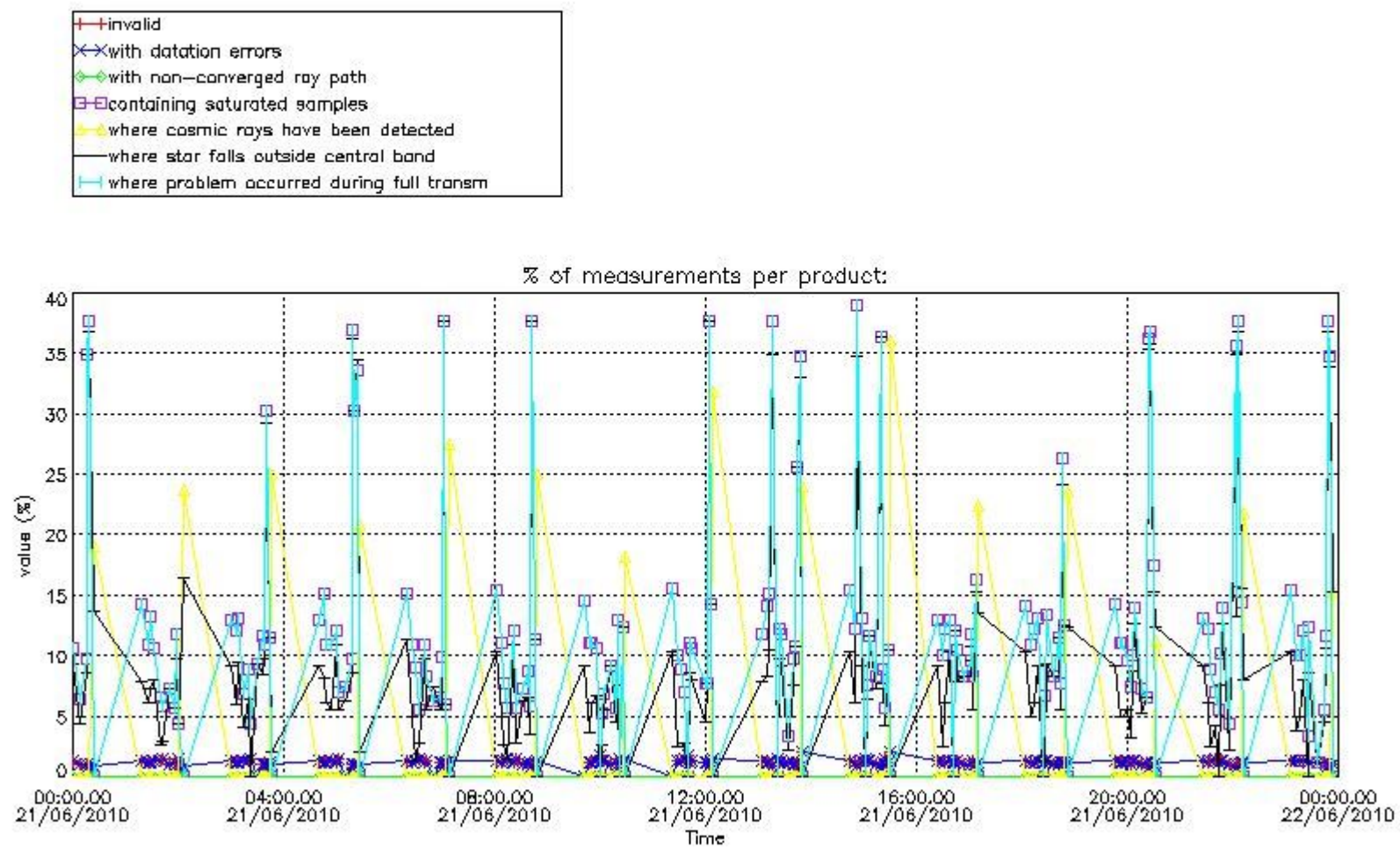
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

##### 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

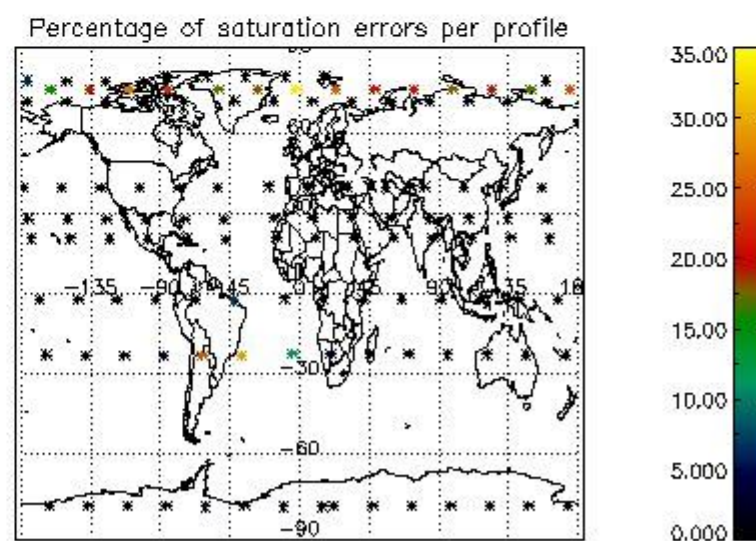
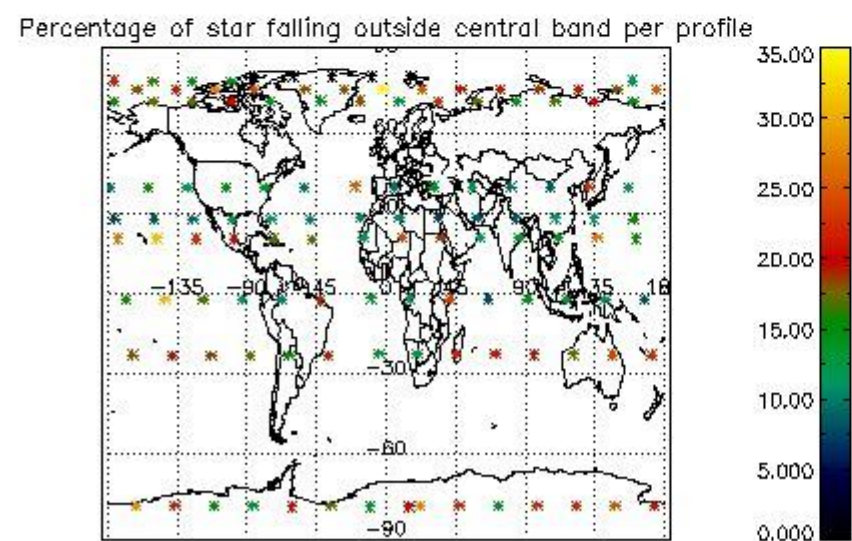
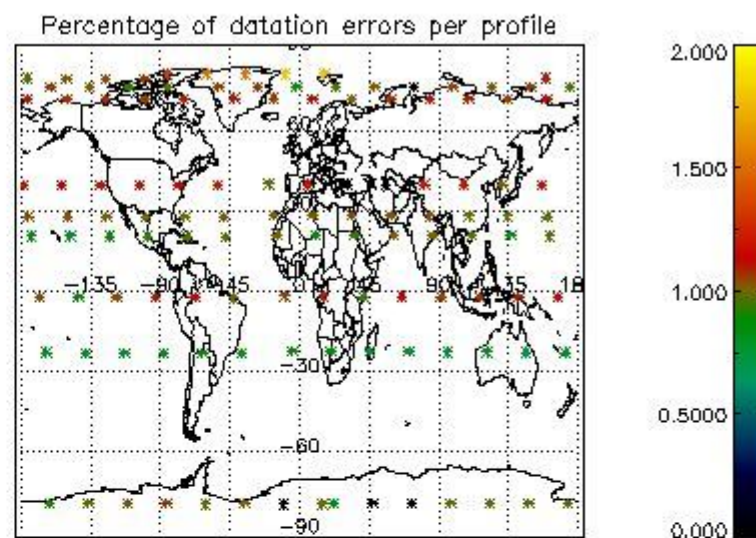
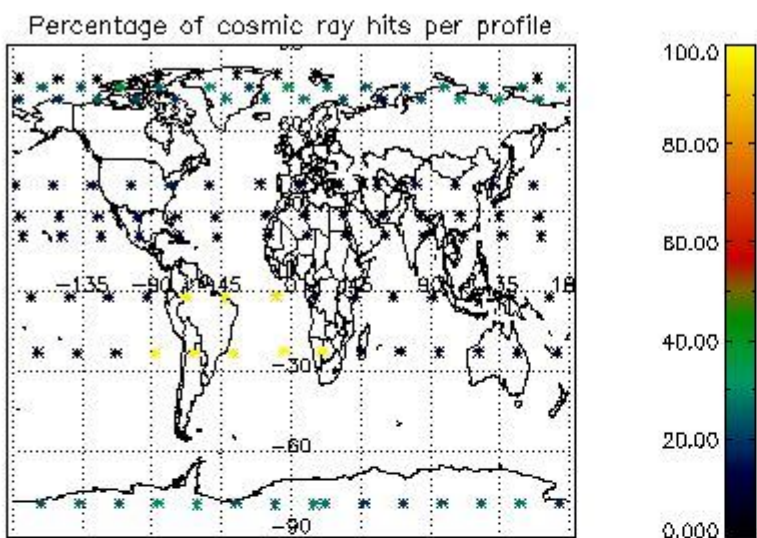


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



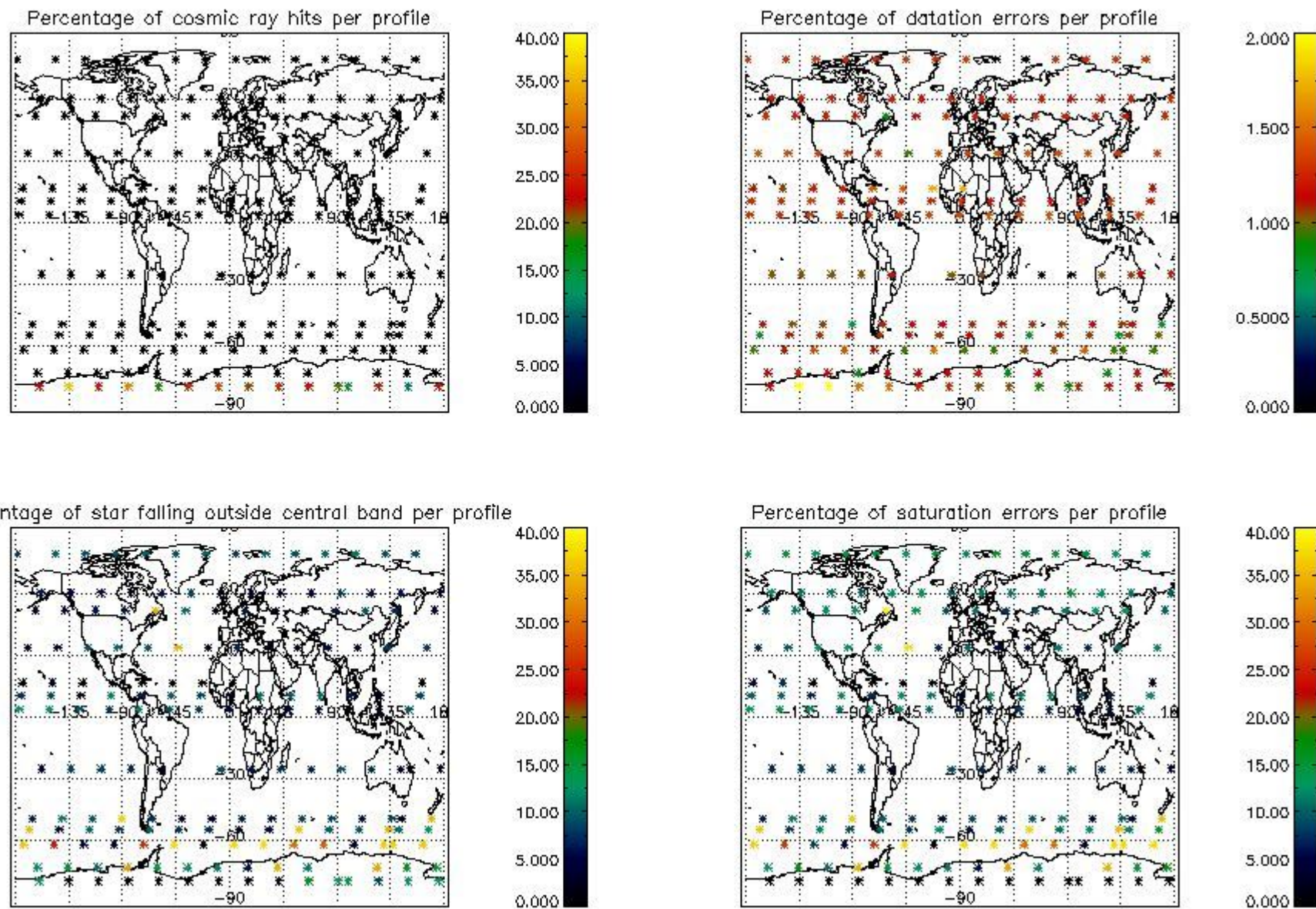
4.2 Plot quality information per product coming from level 1b processing (world map)

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

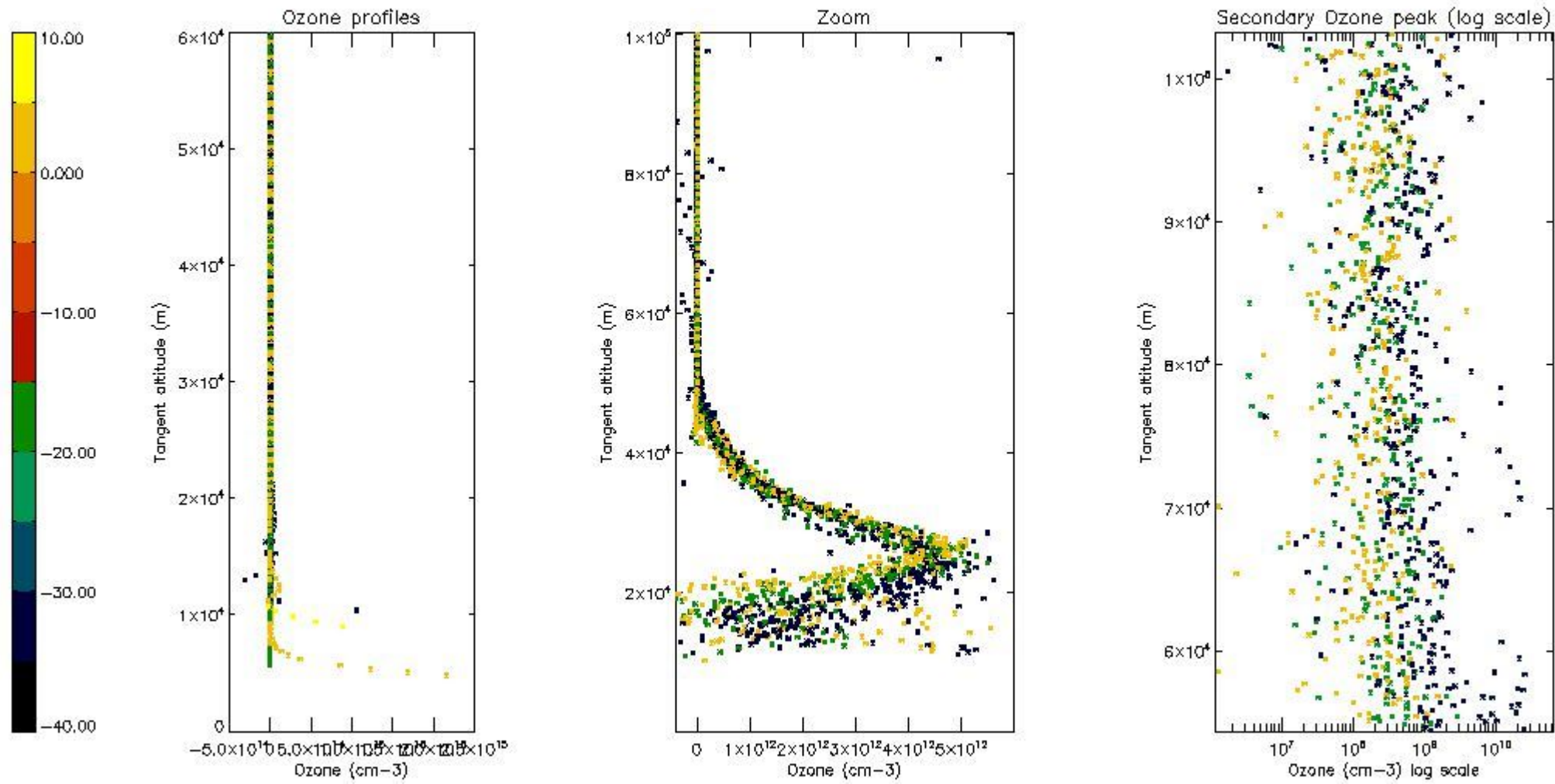
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	17
STD < 20	4

STD < 10	2
STD < 5	0

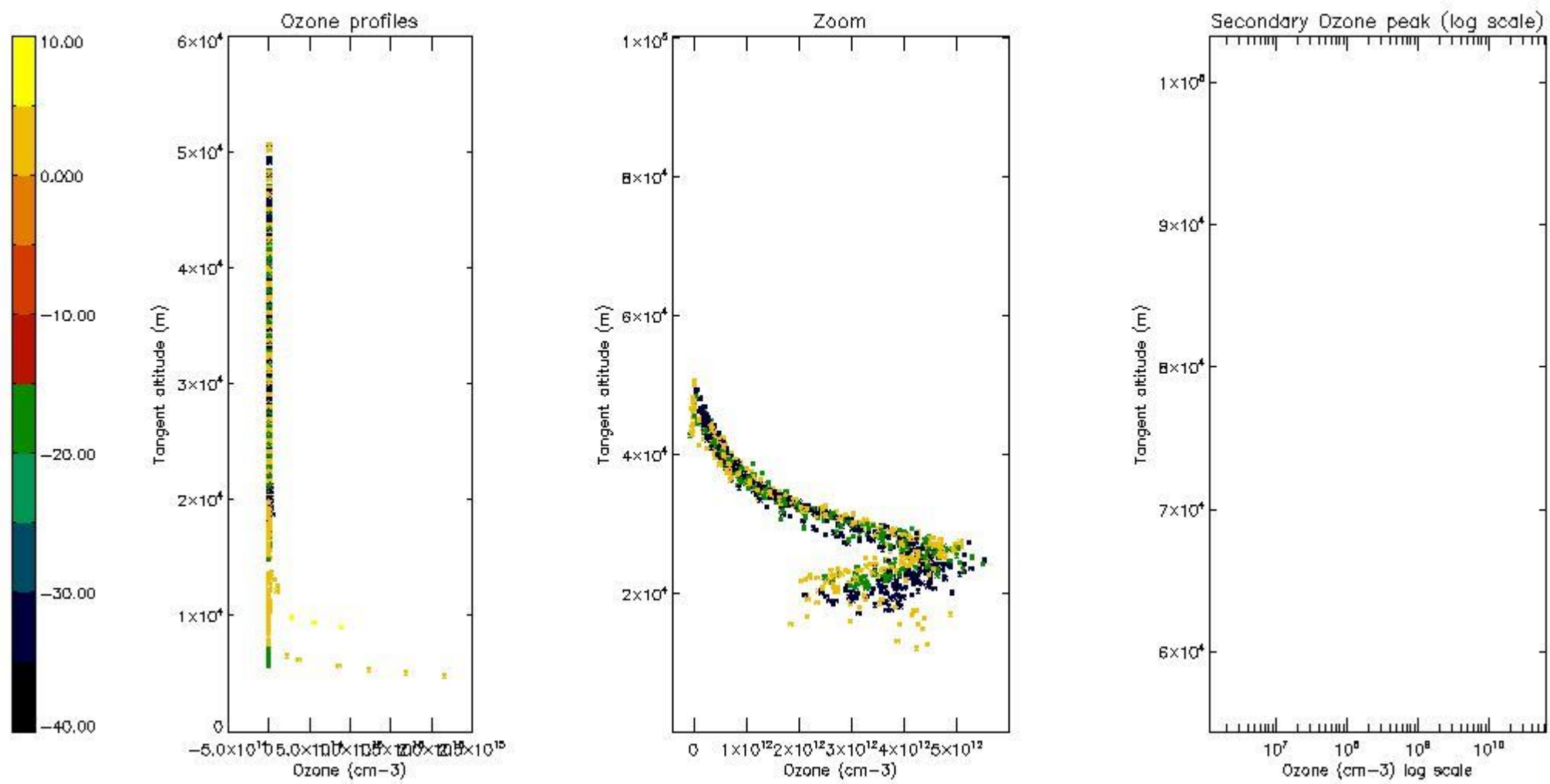
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



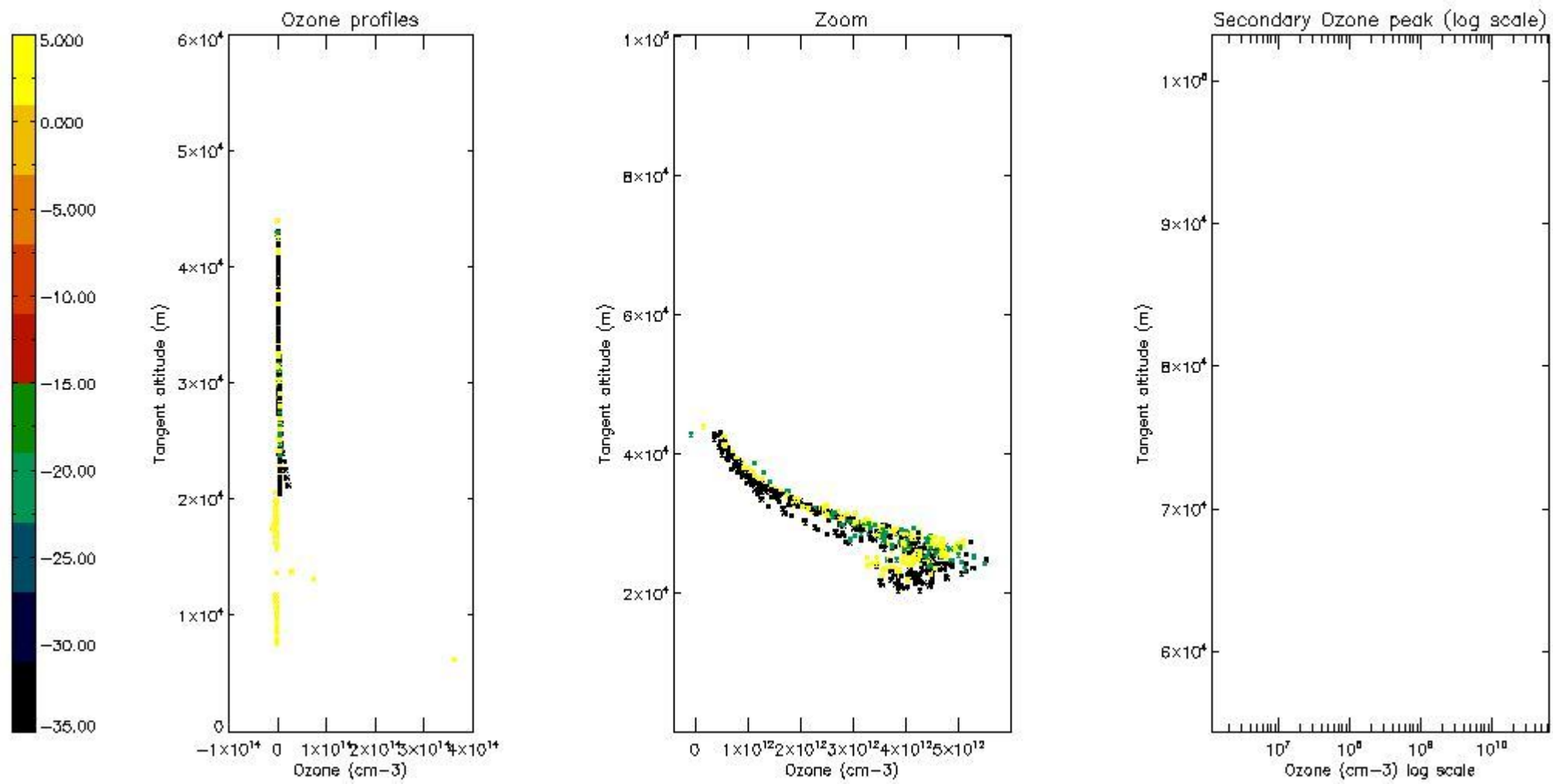
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



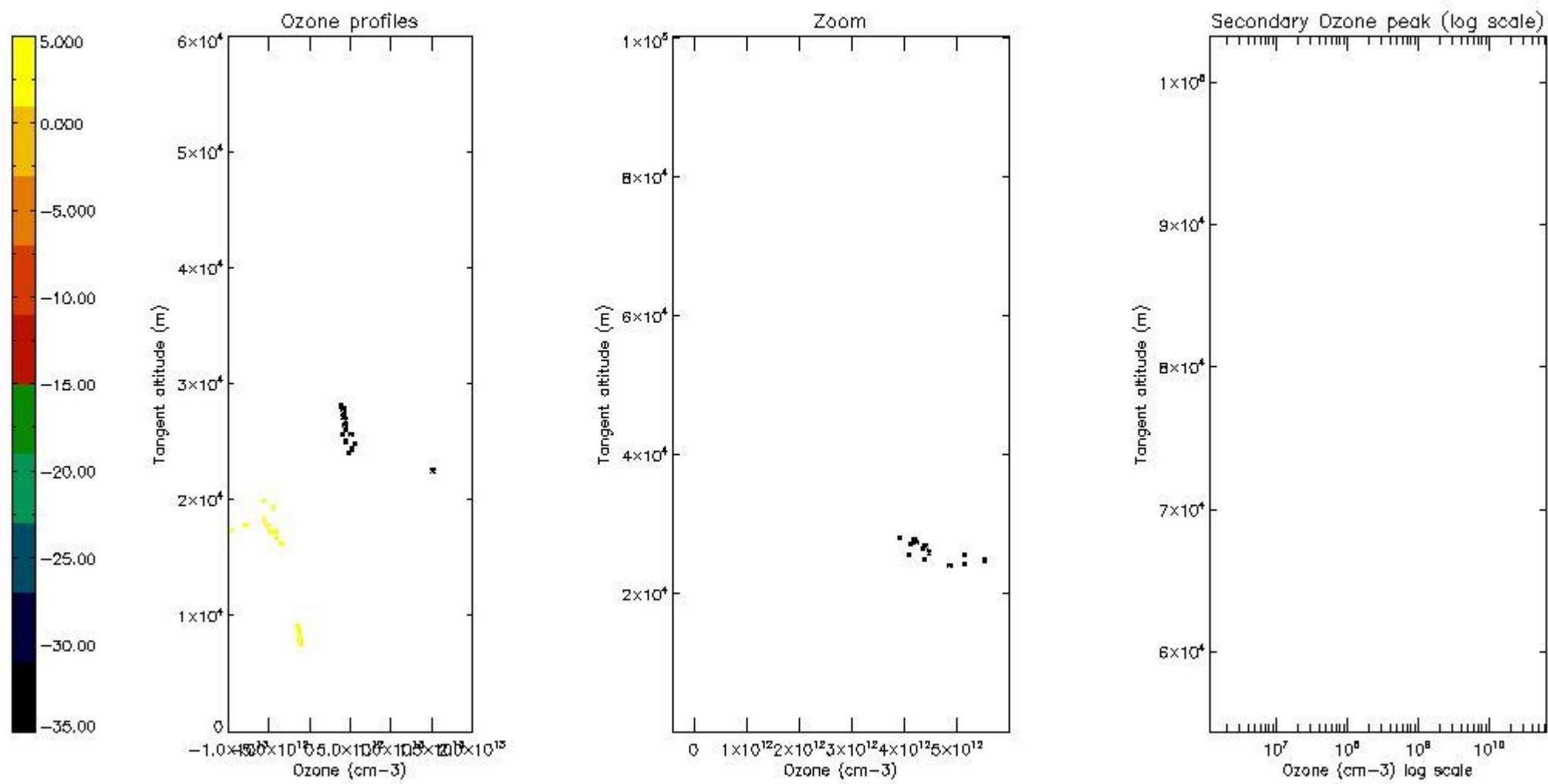
*5.4 Plot ozone profiles where STD < 10% (dark without errors)*

The colorbar represents the latitude.



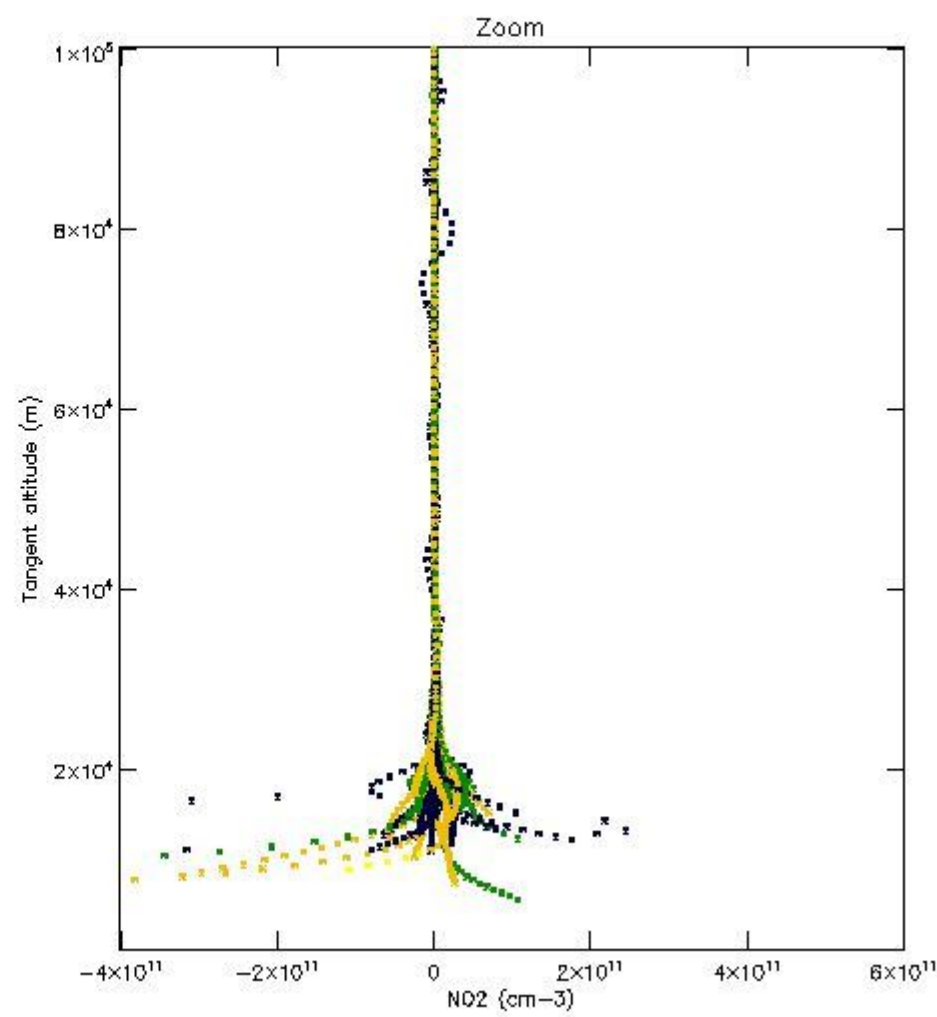
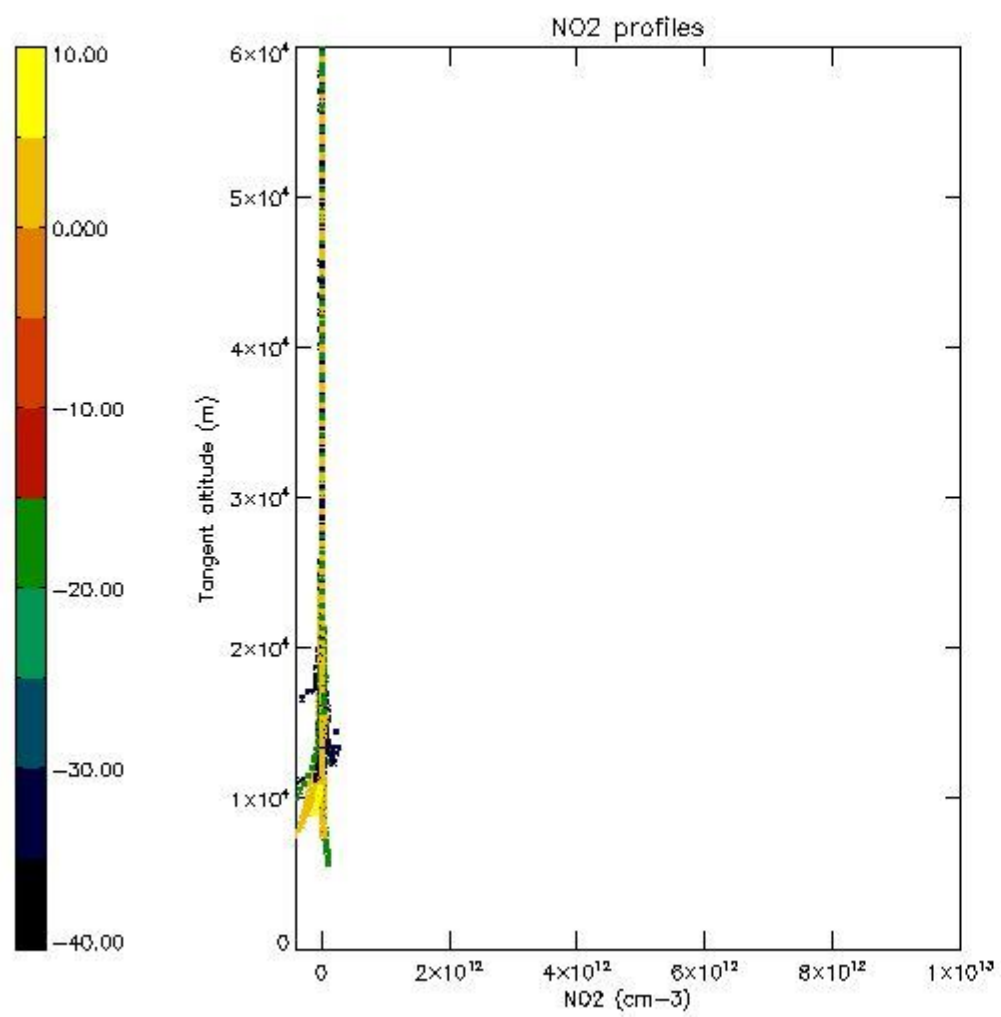
*5.5 Plot ozone profiles where  $STD < 5\%$  (dark without errors)*

The colorbar represents the latitude.



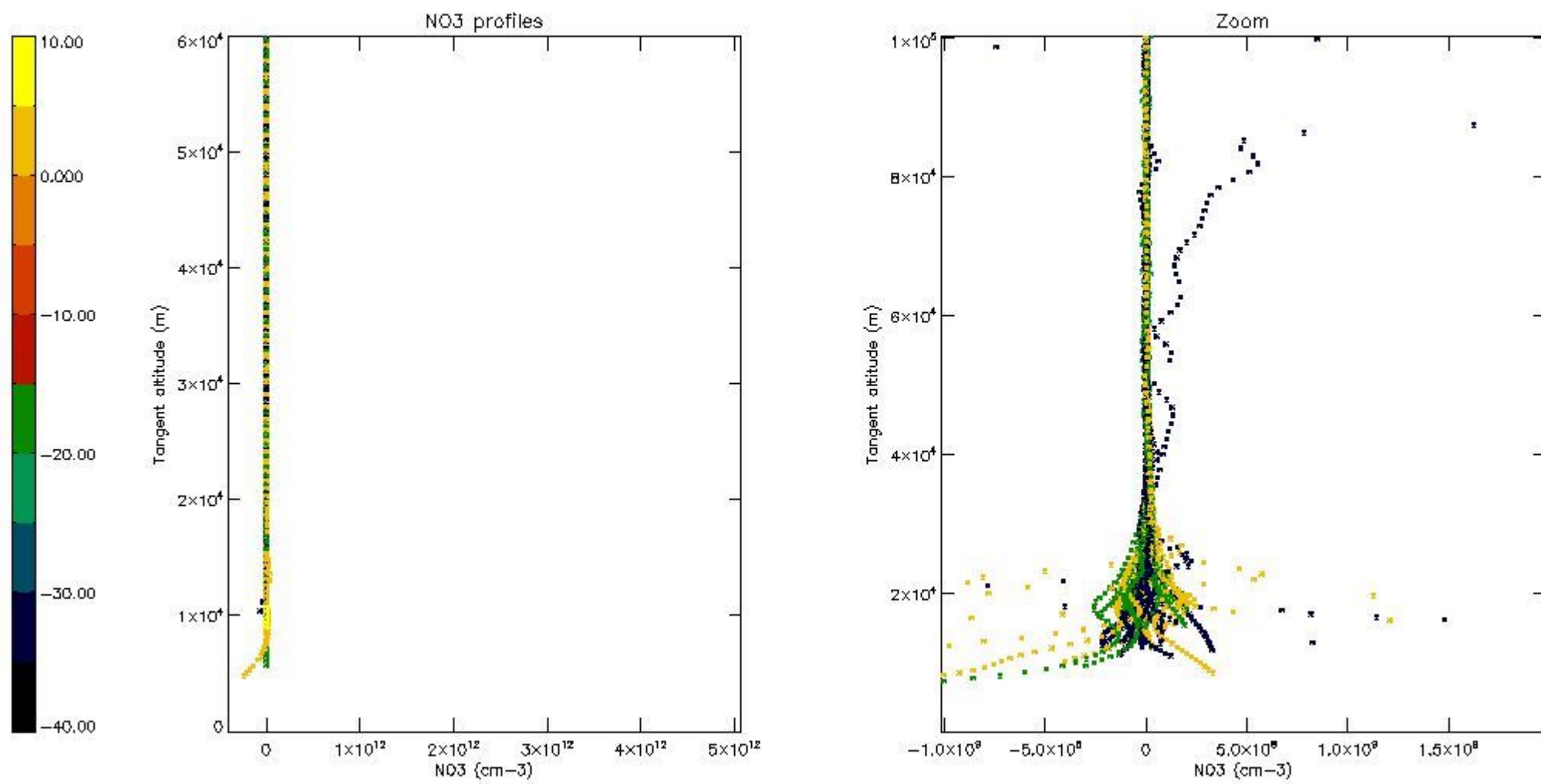
*5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)*

The colorbar represents the latitude.



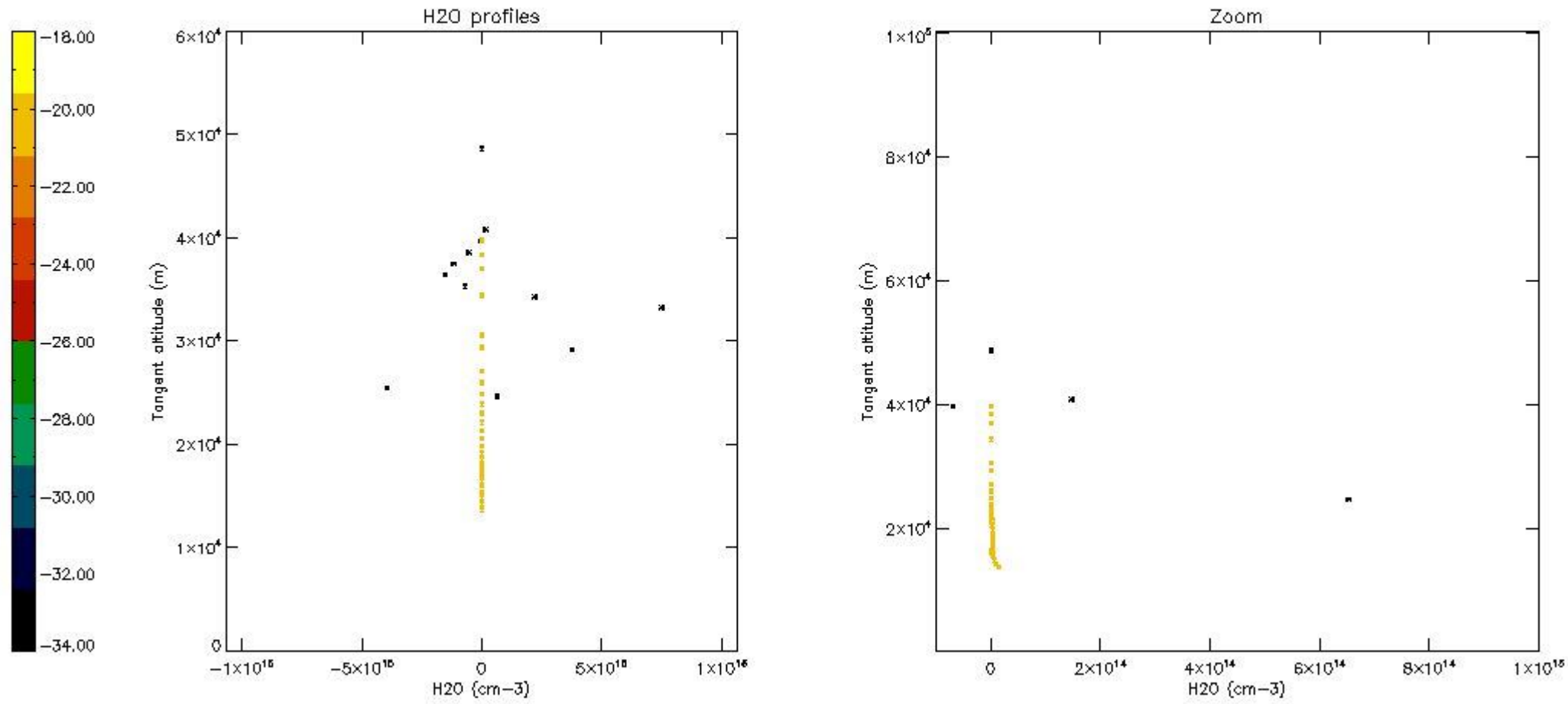
*5.7 Plot NO3 profiles for all STD (dark without errors)*

The colorbar represents the latitude.



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

The colorbar represents the latitude.

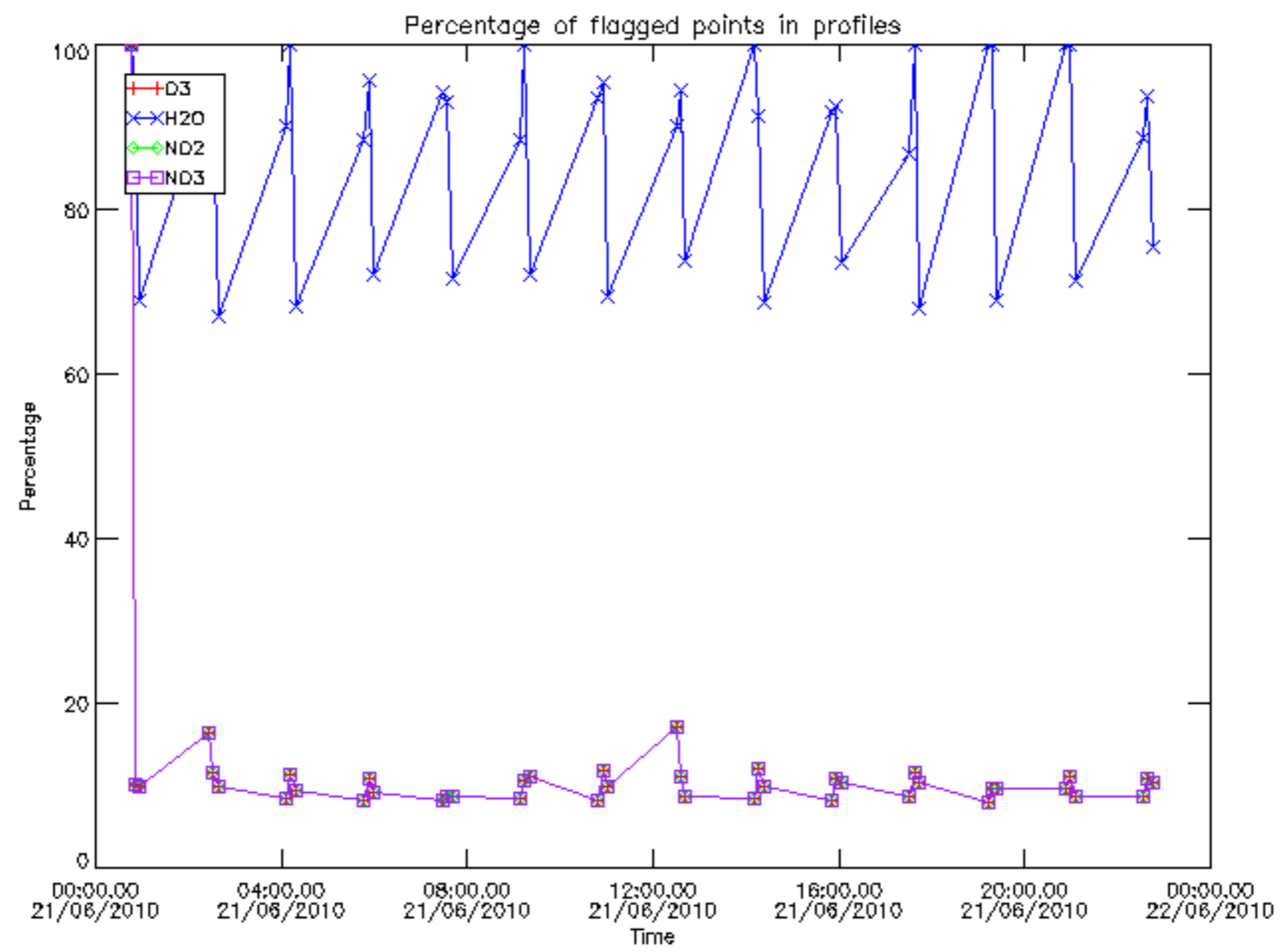


## 6. Auxiliary Data Files used for the production reported in section 2

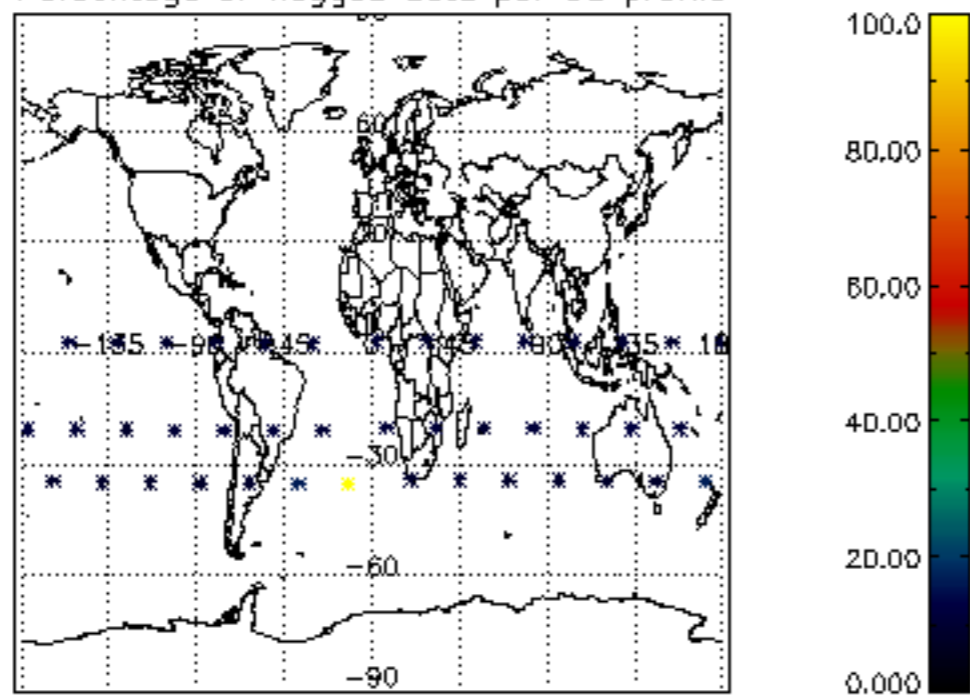
The number reported in the third column indicates since which file (see list in section 2) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	21-JUN-2010 00:00:25
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	21-JUN-2010 00:00:25
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	21-JUN-2010 00:00:25

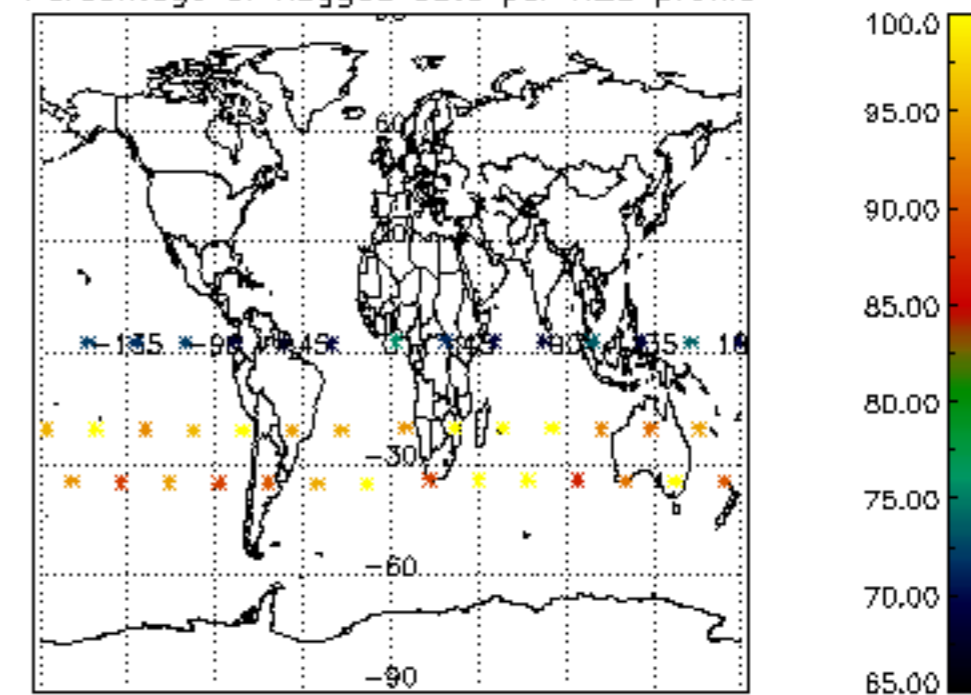




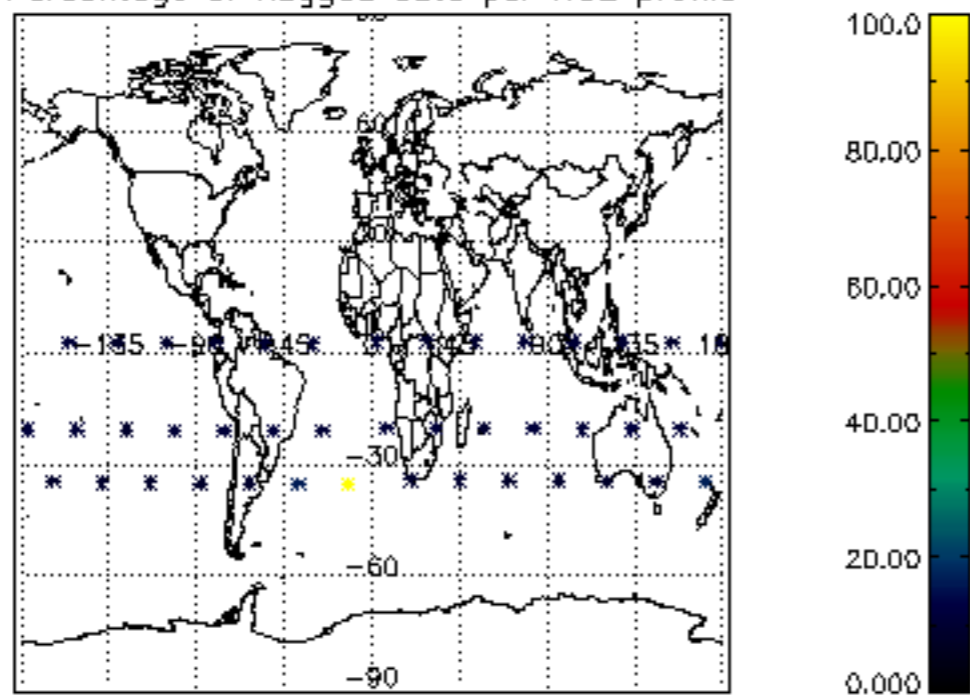
Percentage of flagged data per D3 profile



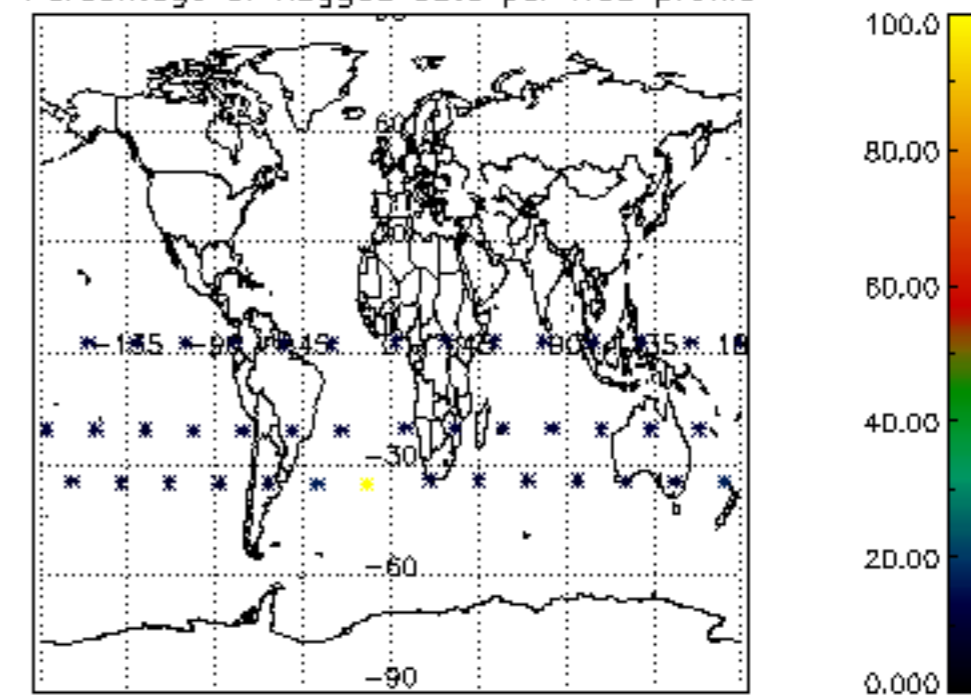
Percentage of flagged data per H2O profile

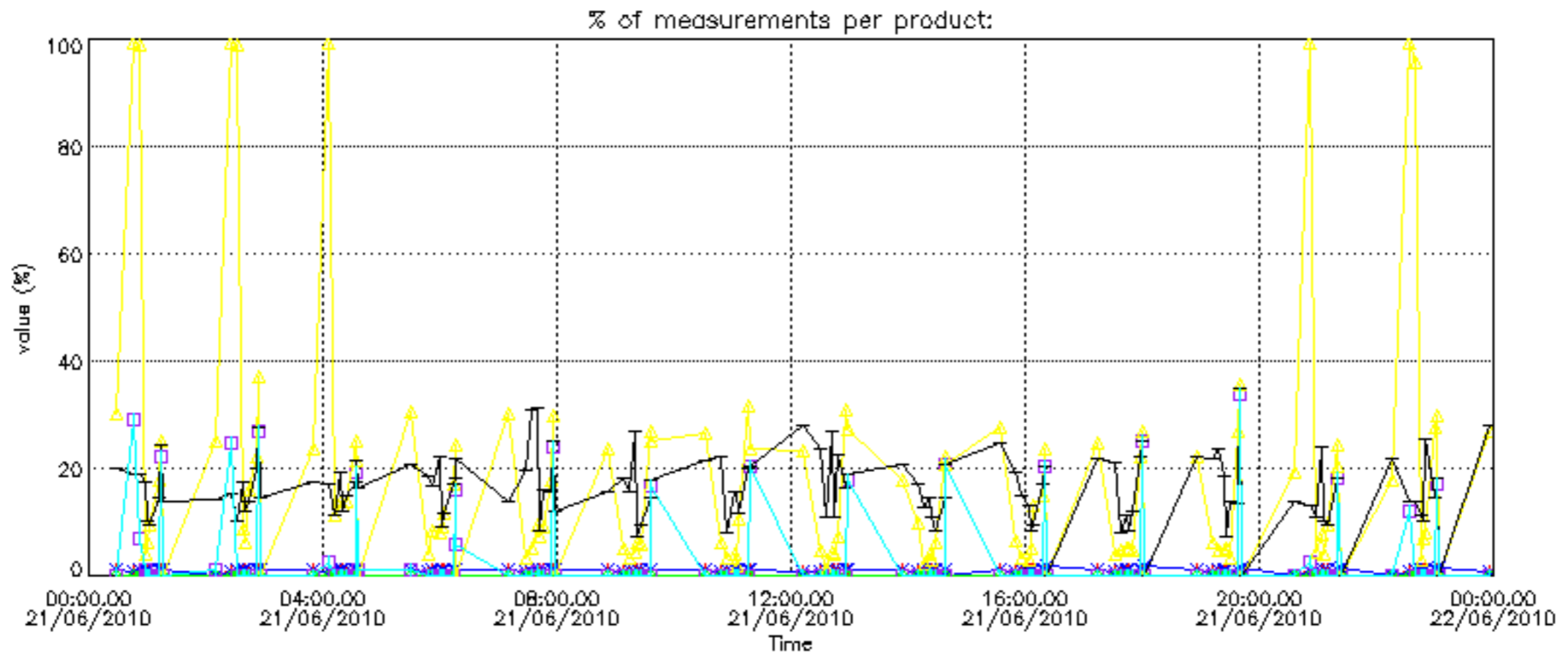


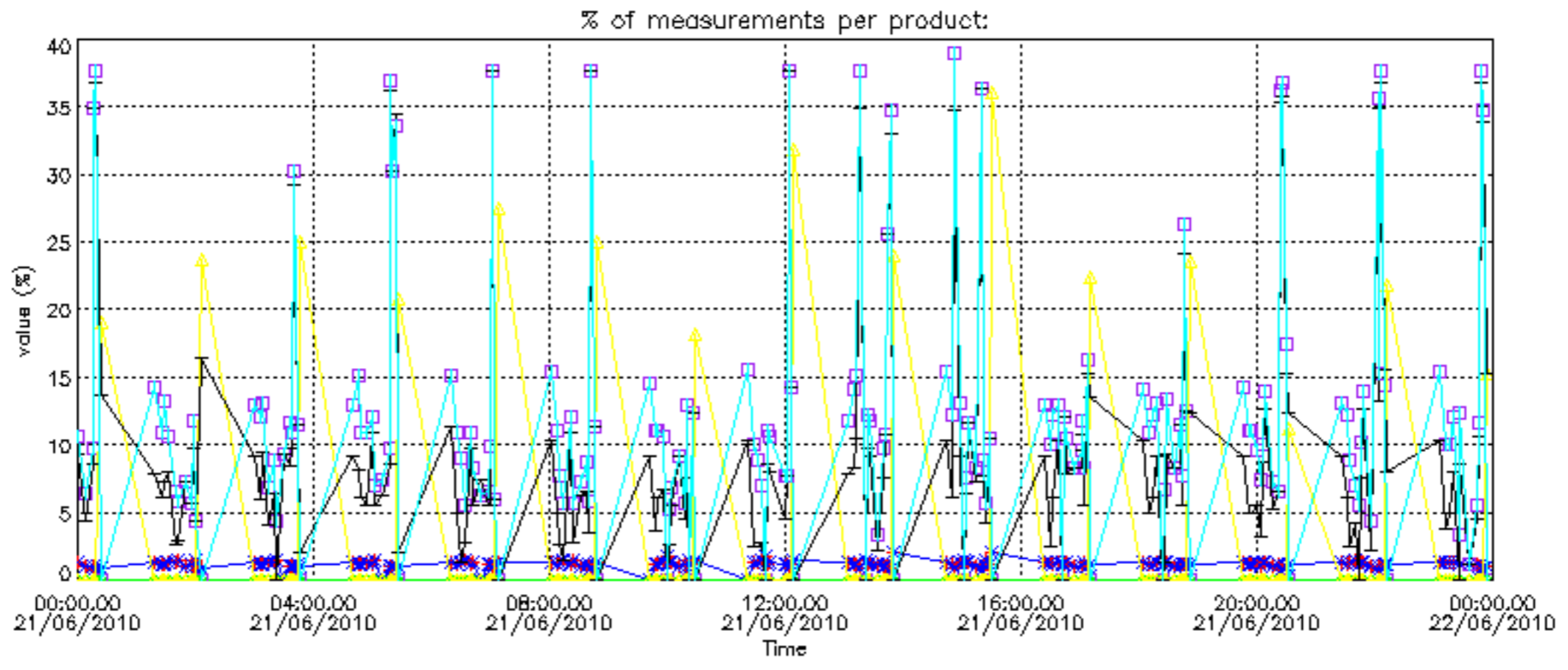
Percentage of flagged data per NO2 profile



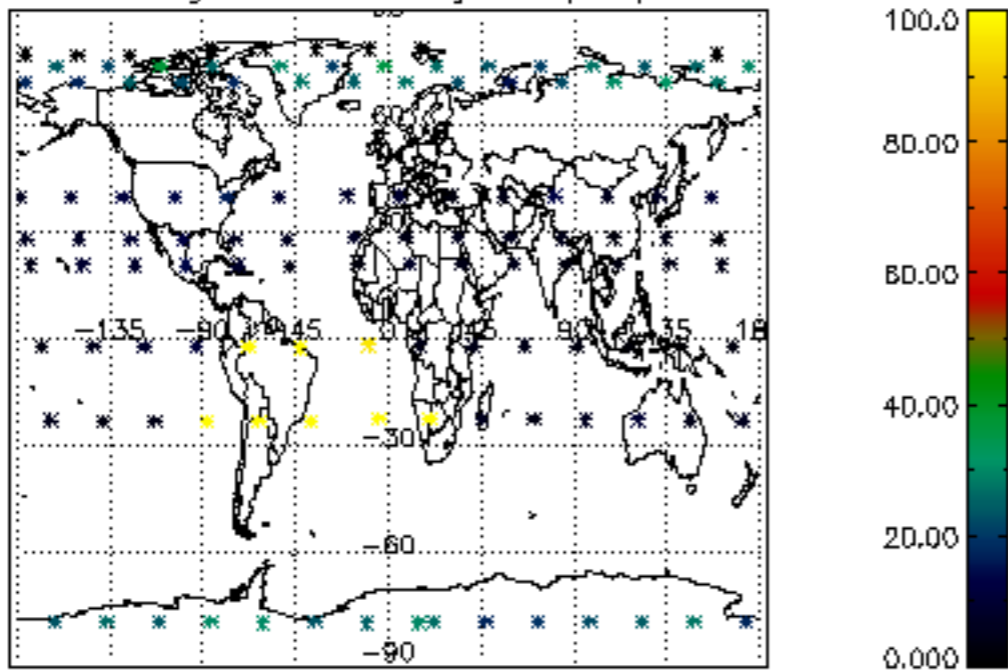
Percentage of flagged data per NO3 profile



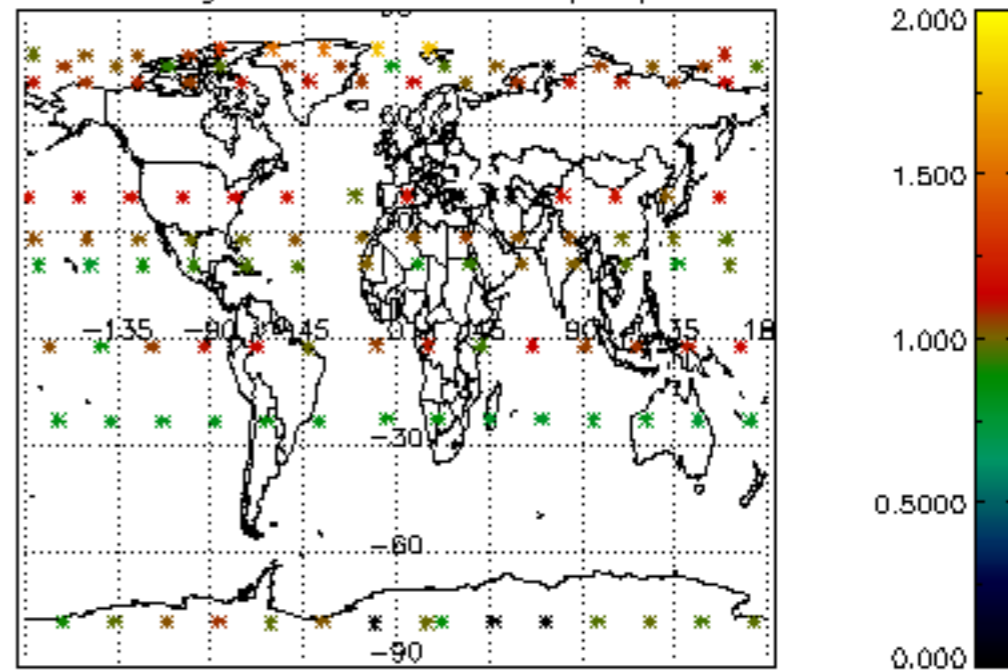




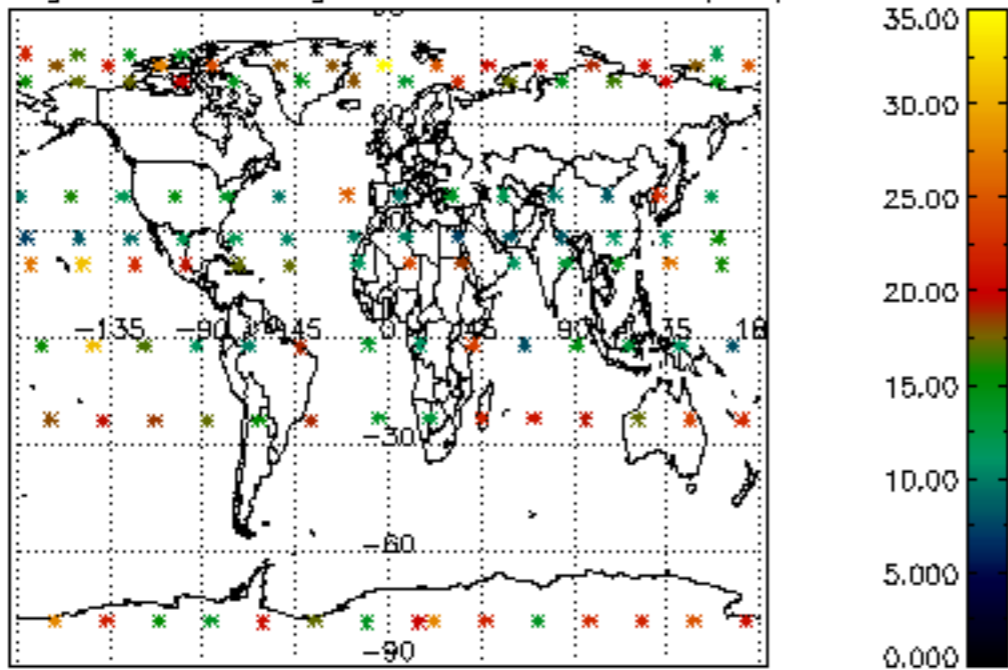
Percentage of cosmic ray hits per profile



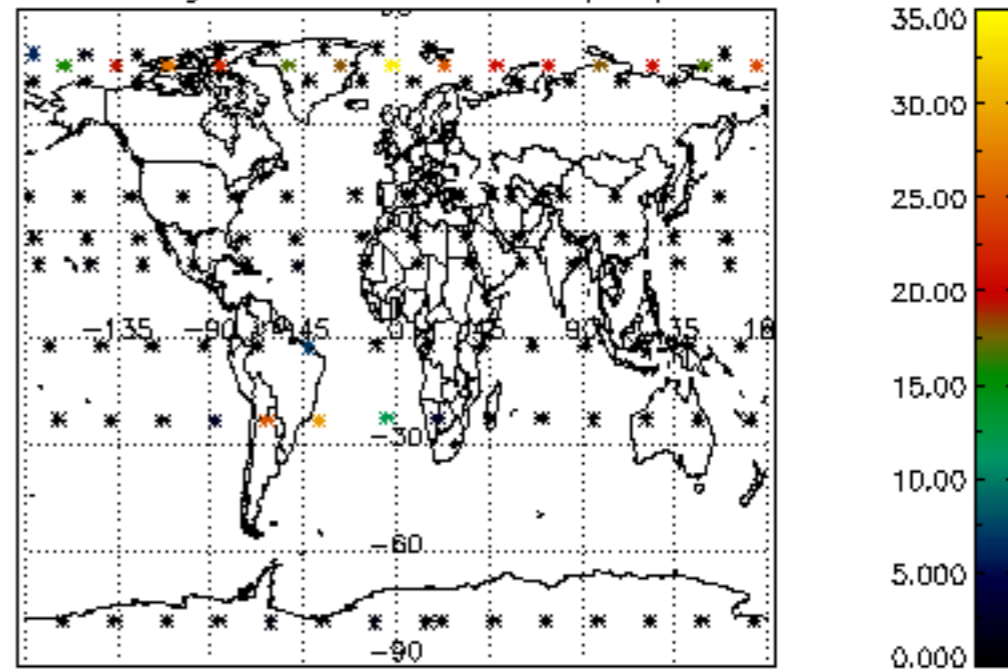
Percentage of datation errors per profile



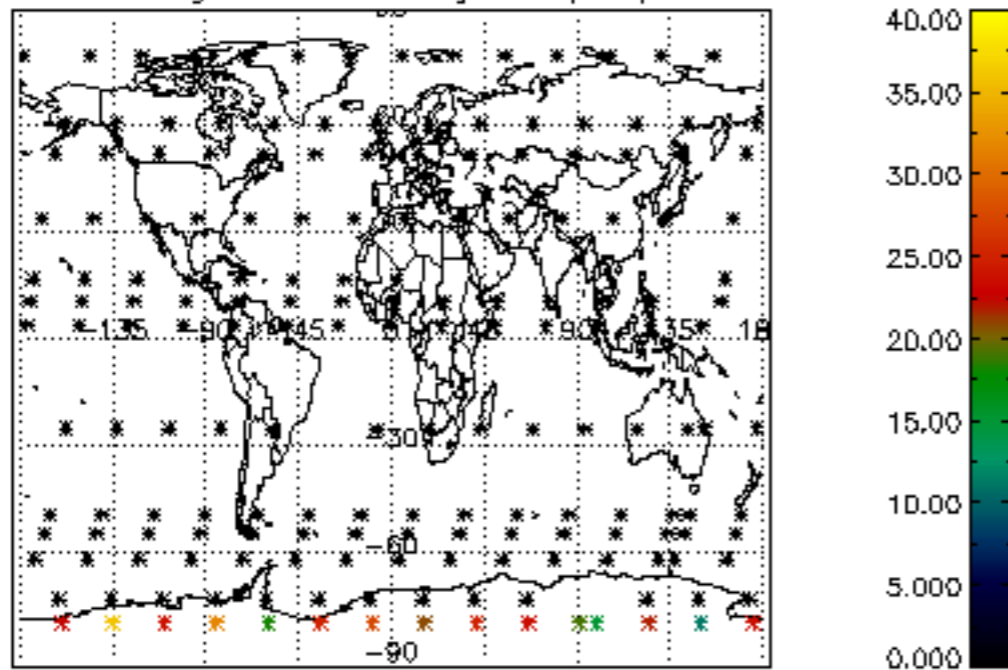
Percentage of star falling outside central band per profile



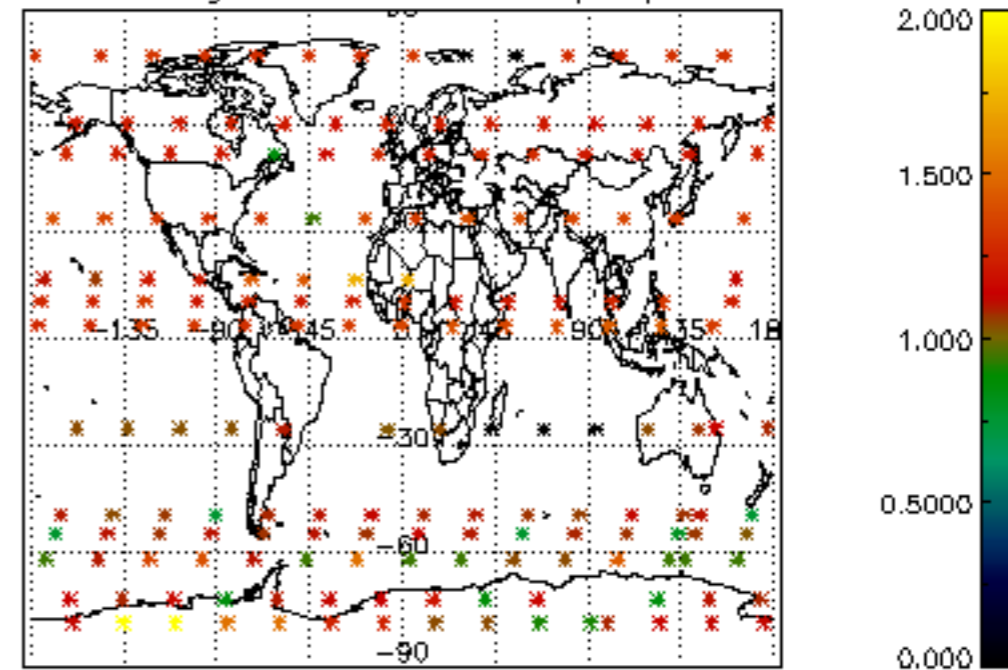
Percentage of saturation errors per profile



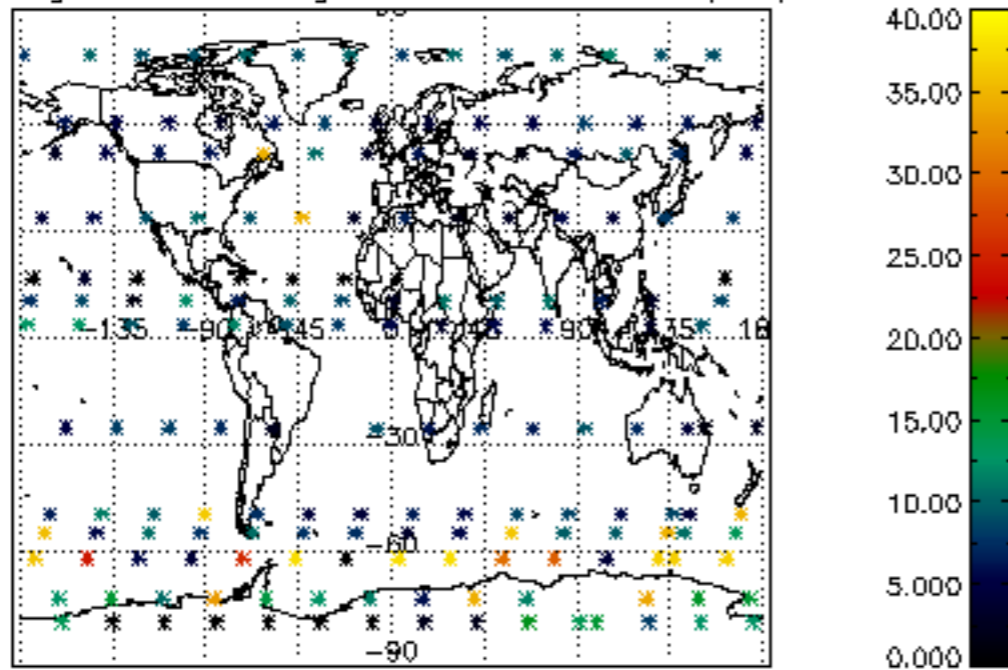
Percentage of cosmic ray hits per profile



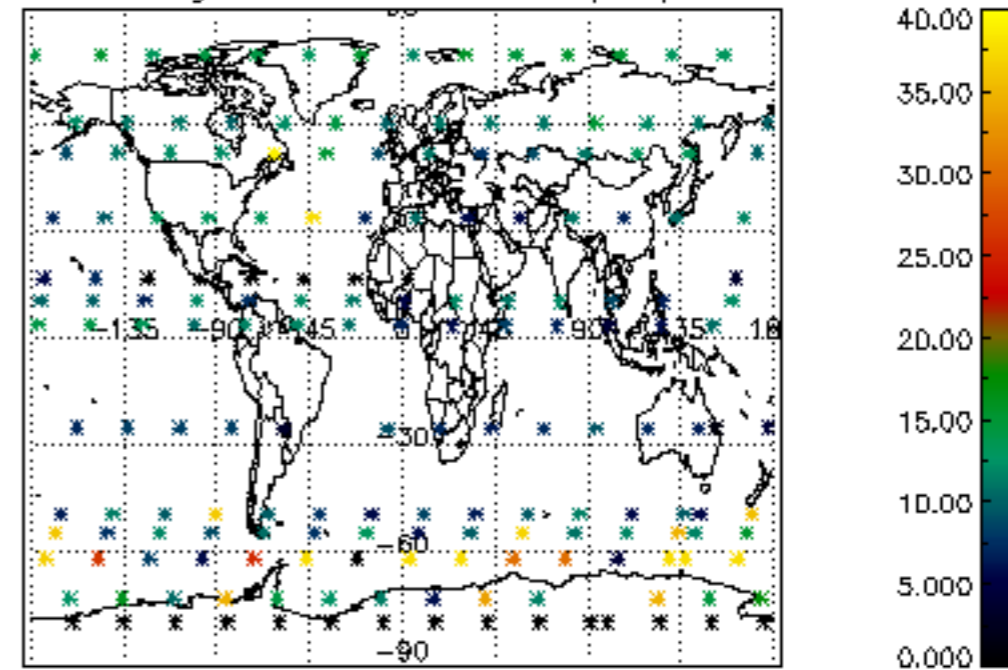
Percentage of datation errors per profile

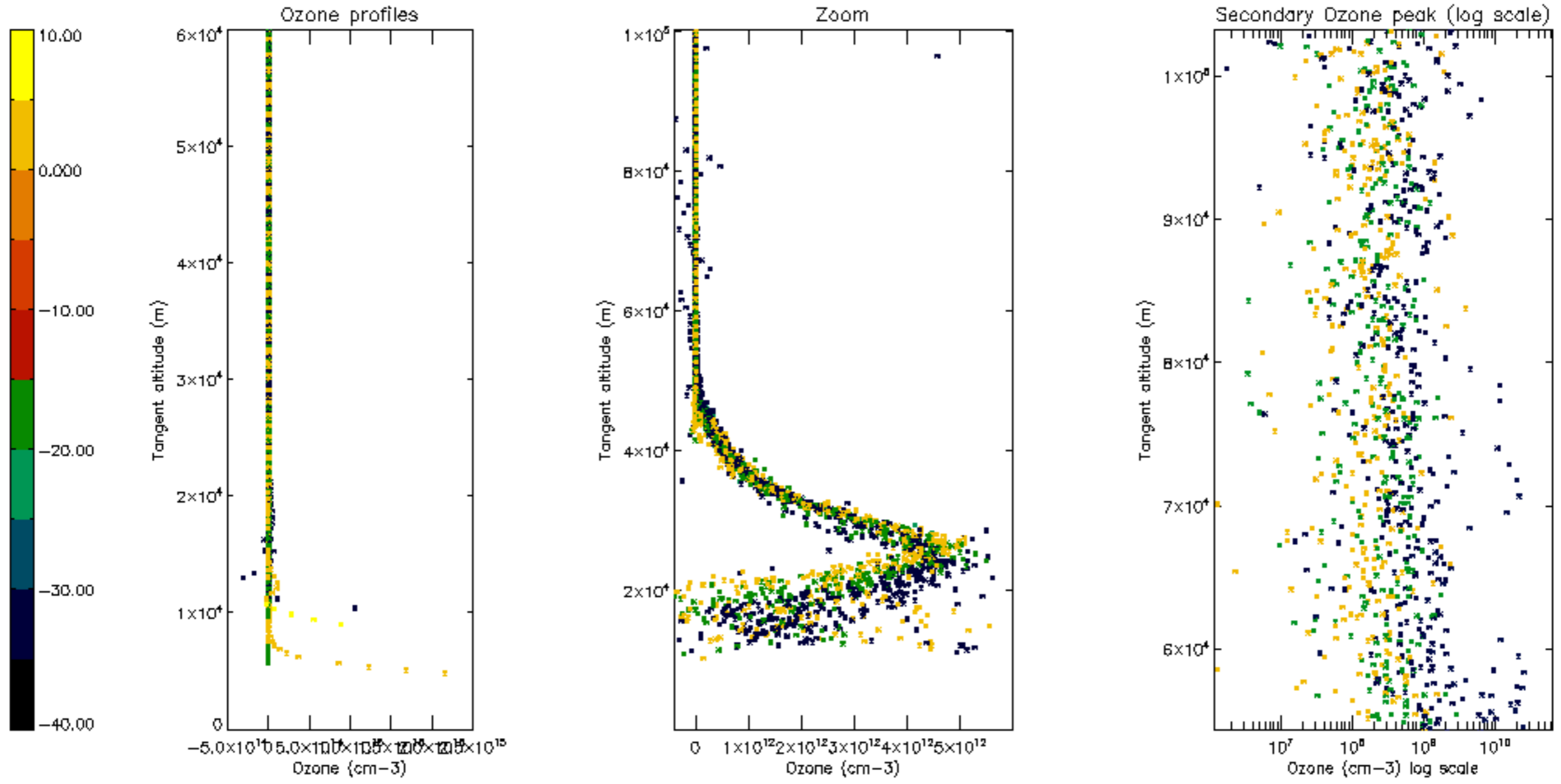


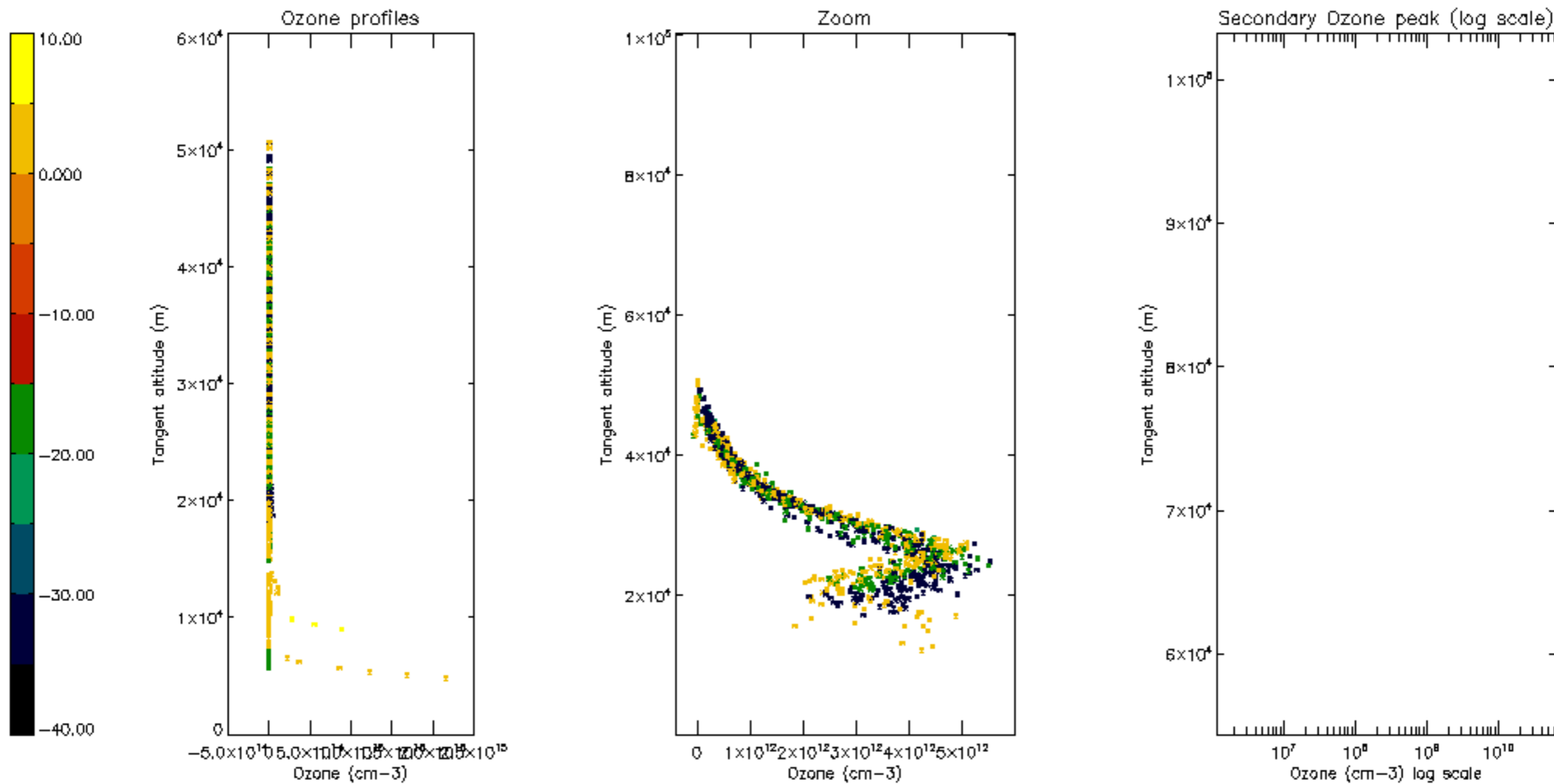
Percentage of star falling outside central band per profile



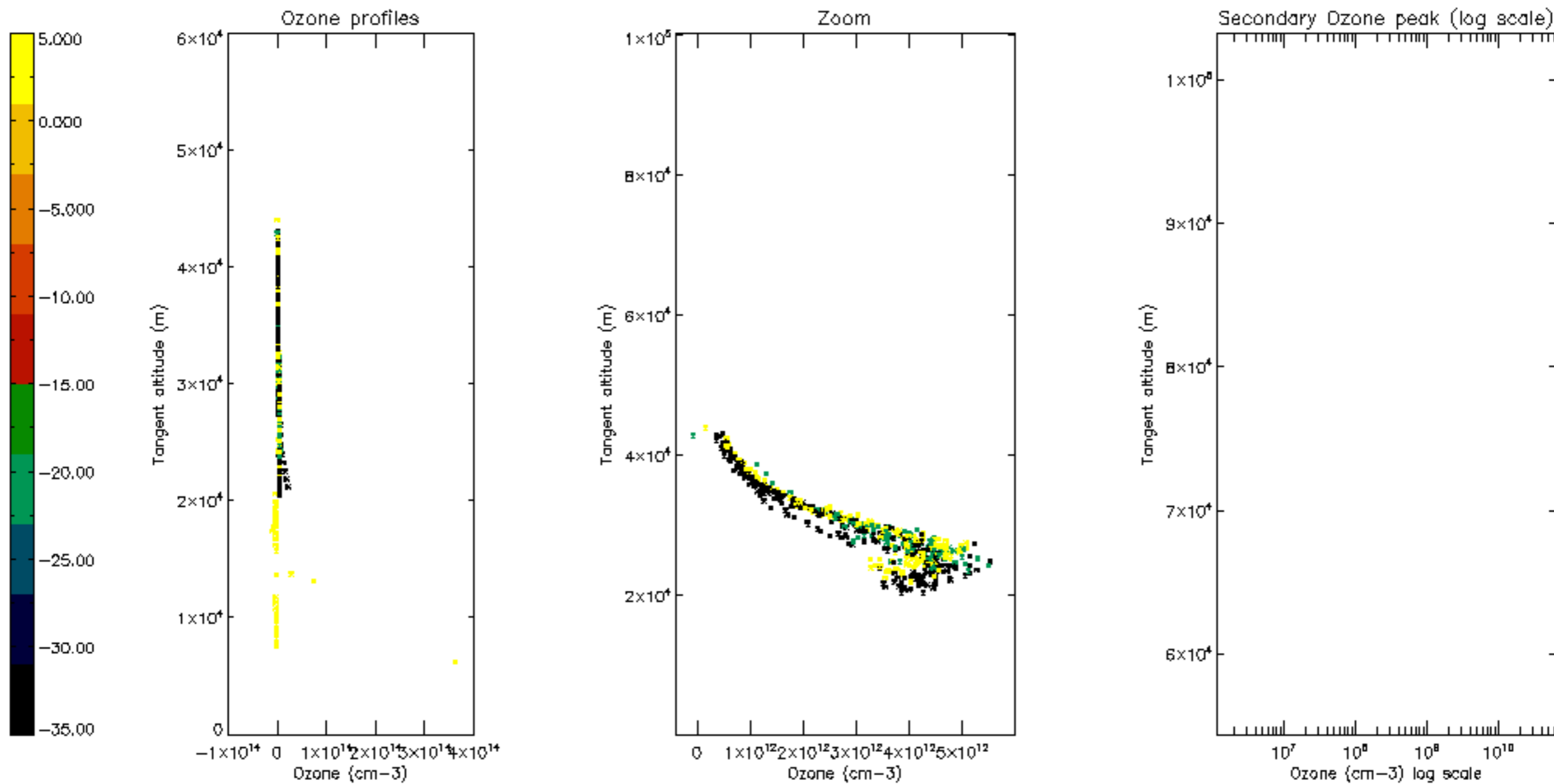
Percentage of saturation errors per profile

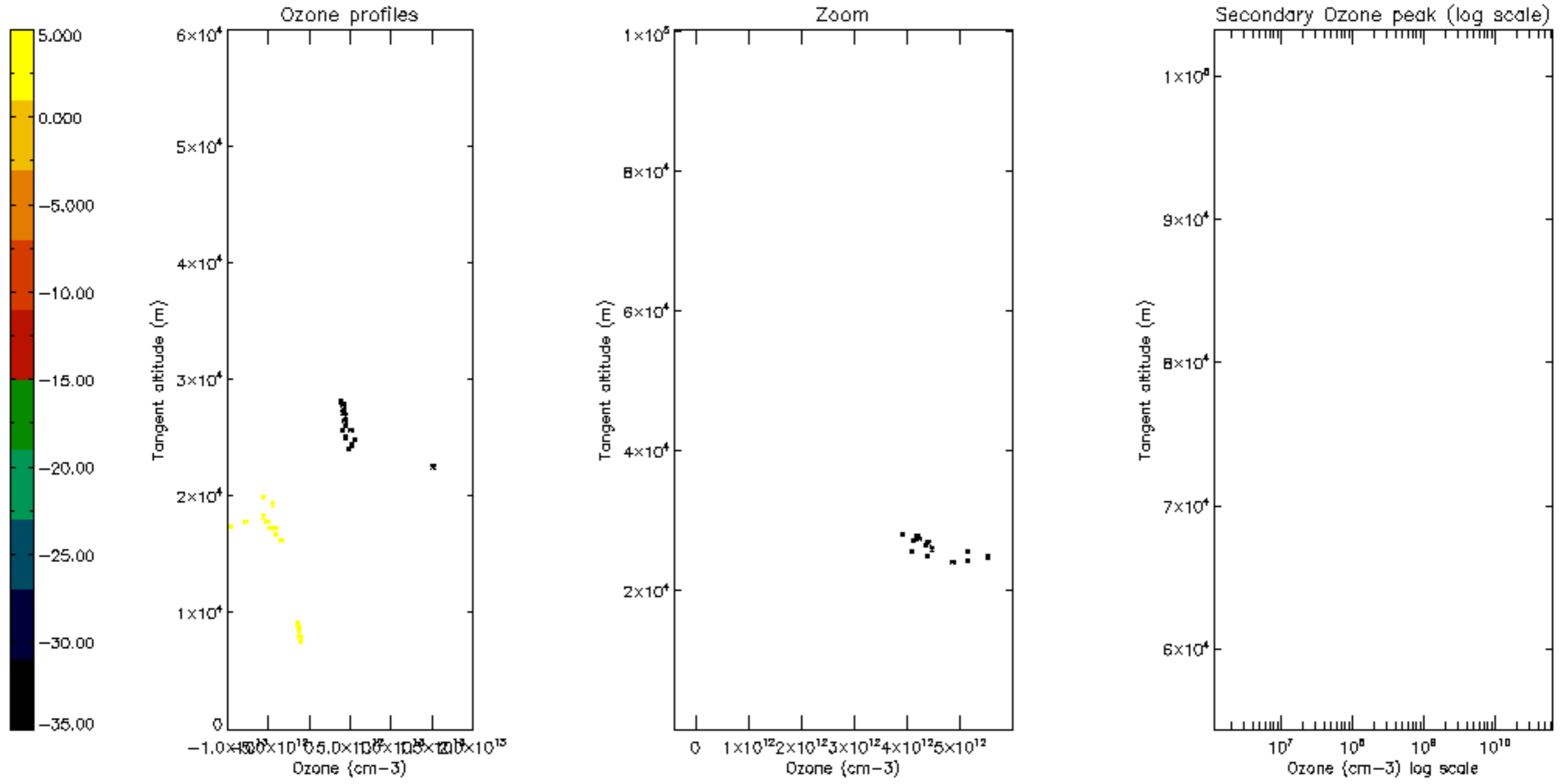


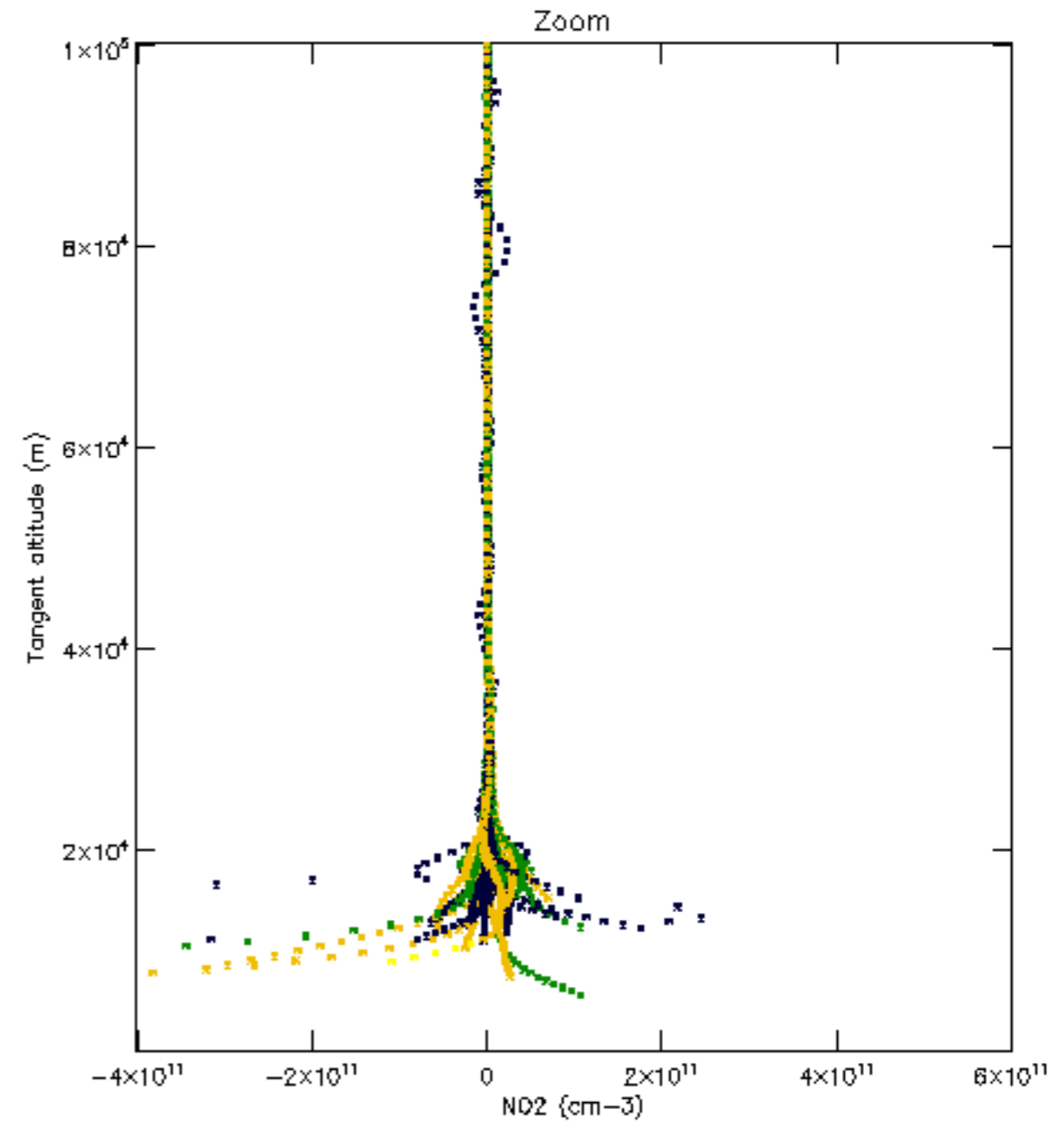
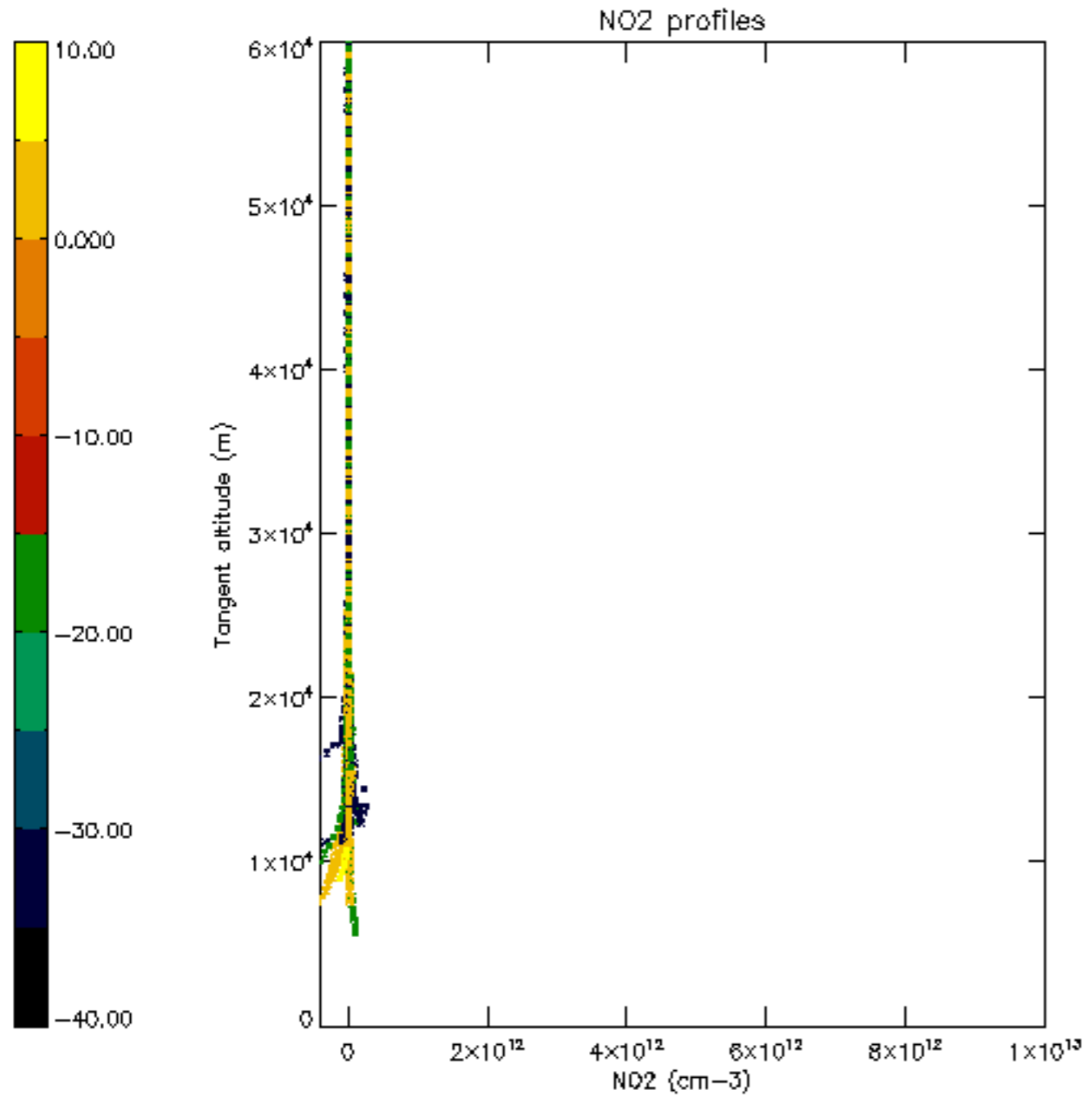


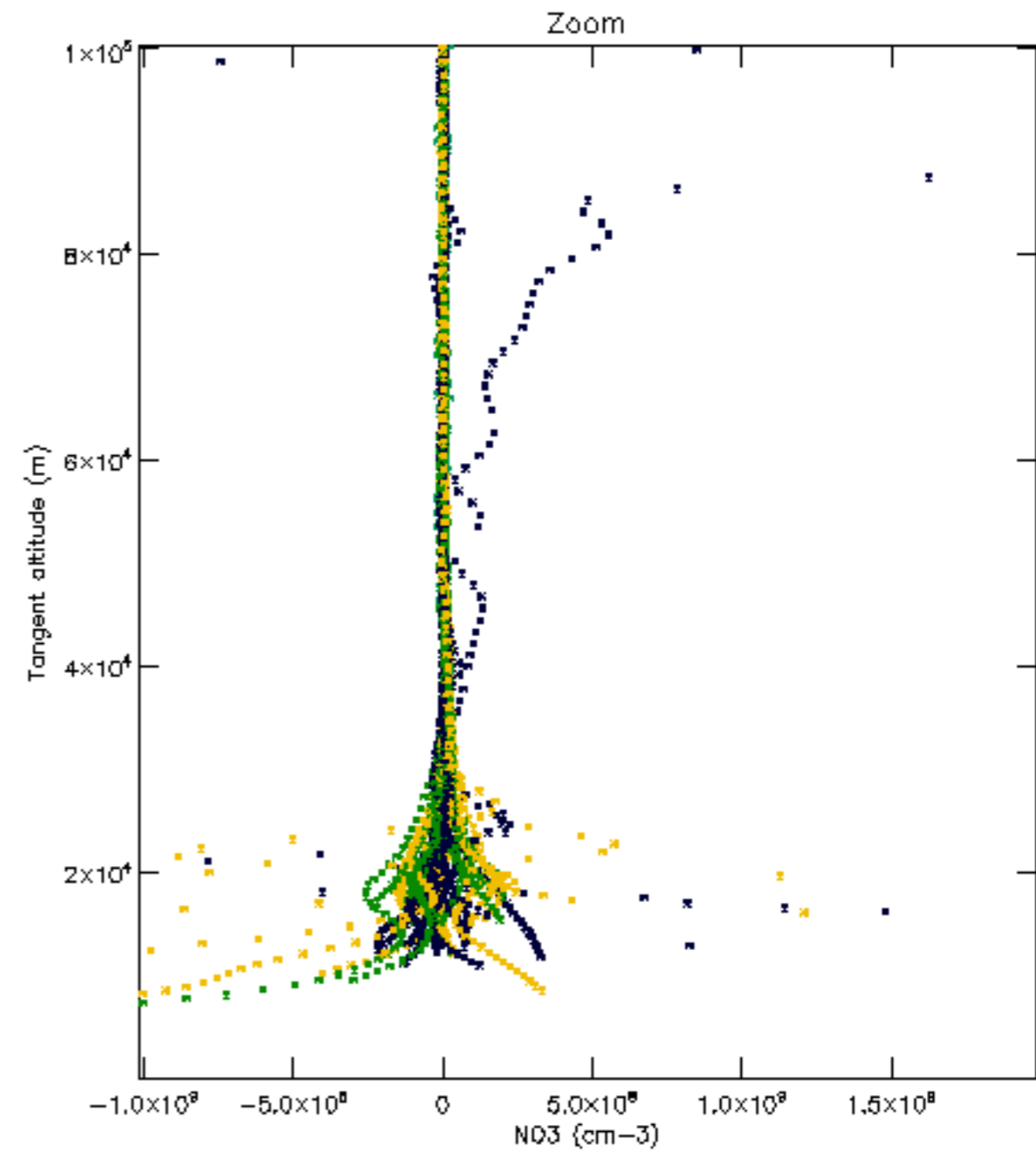
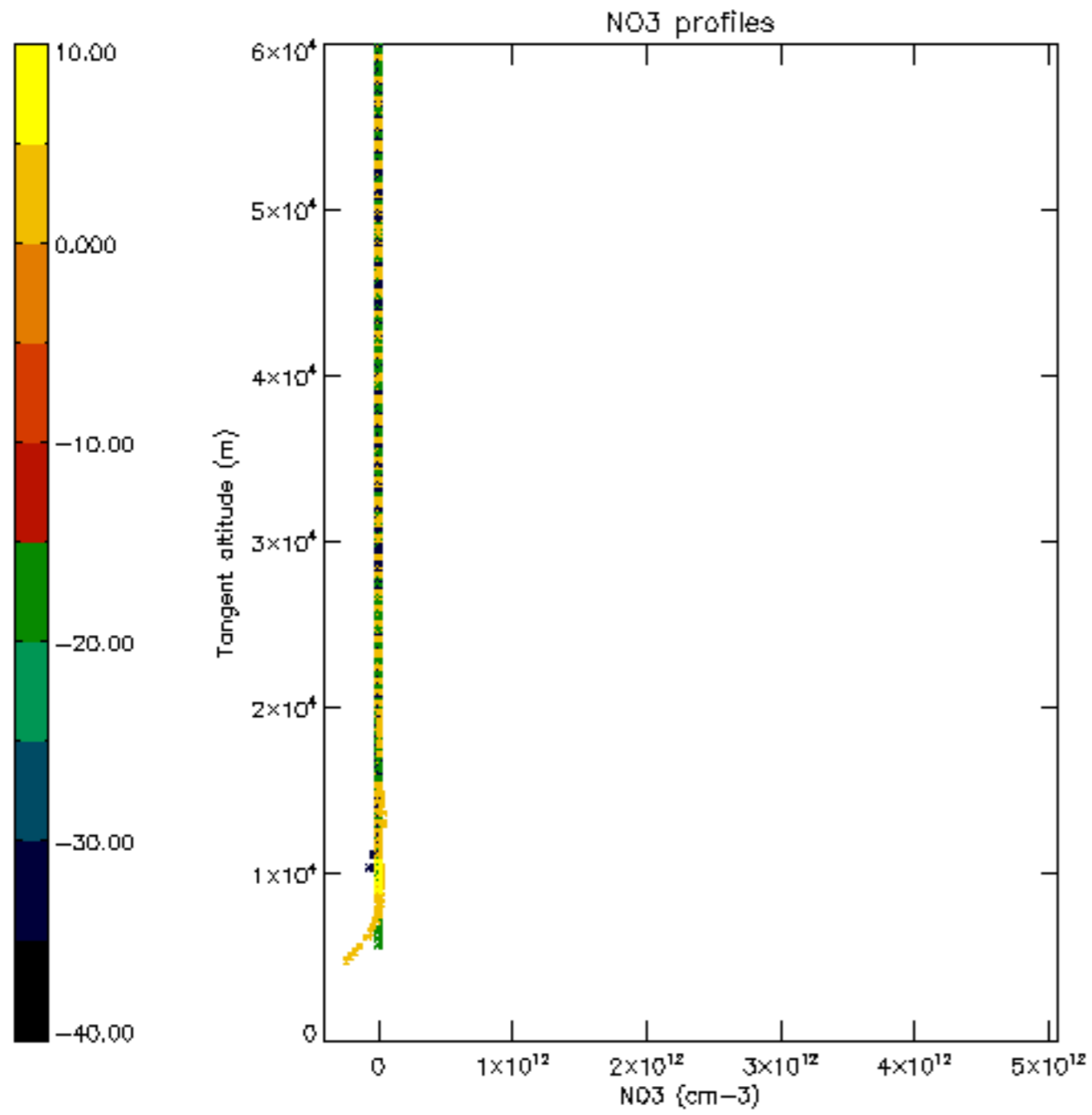


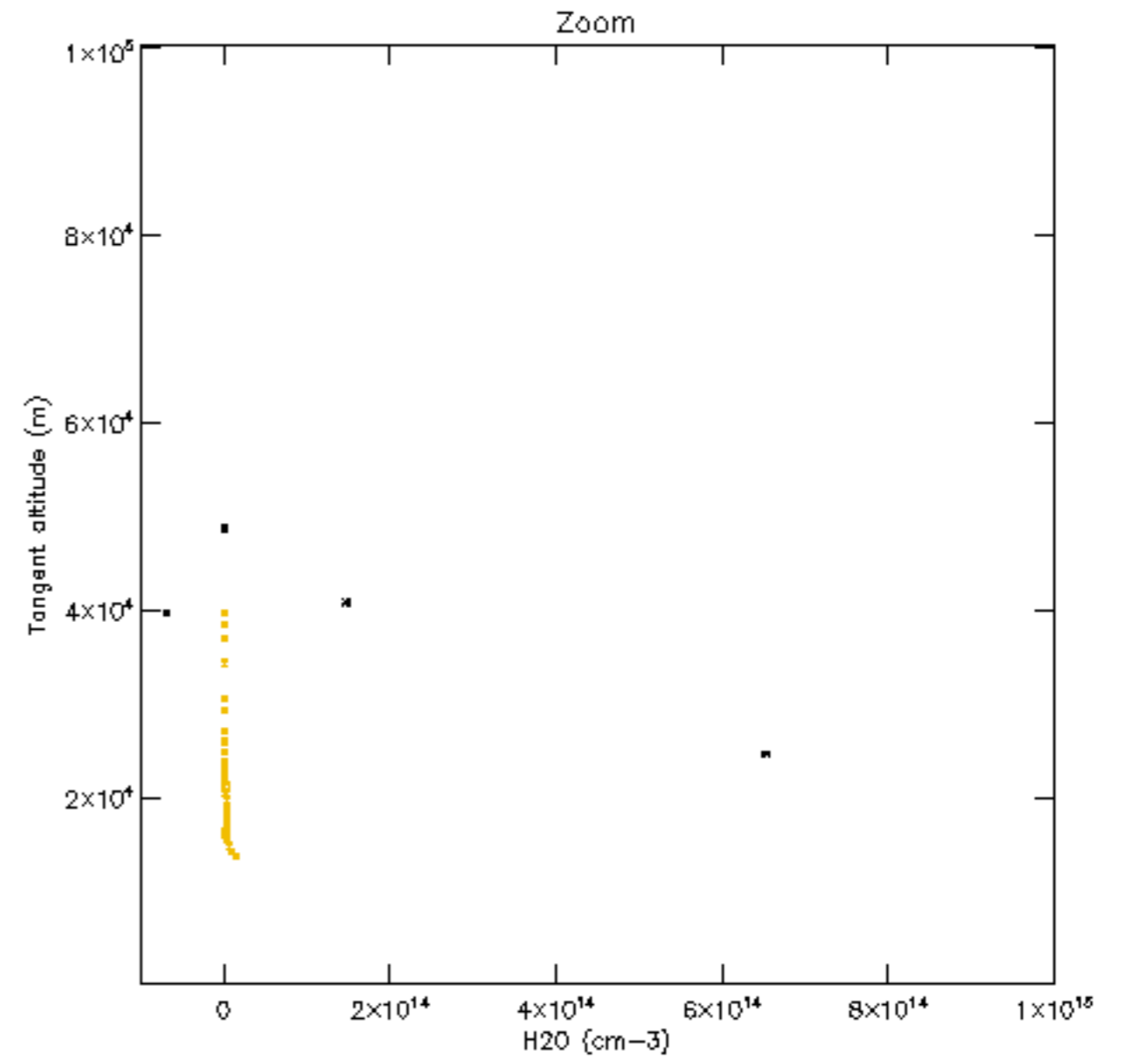
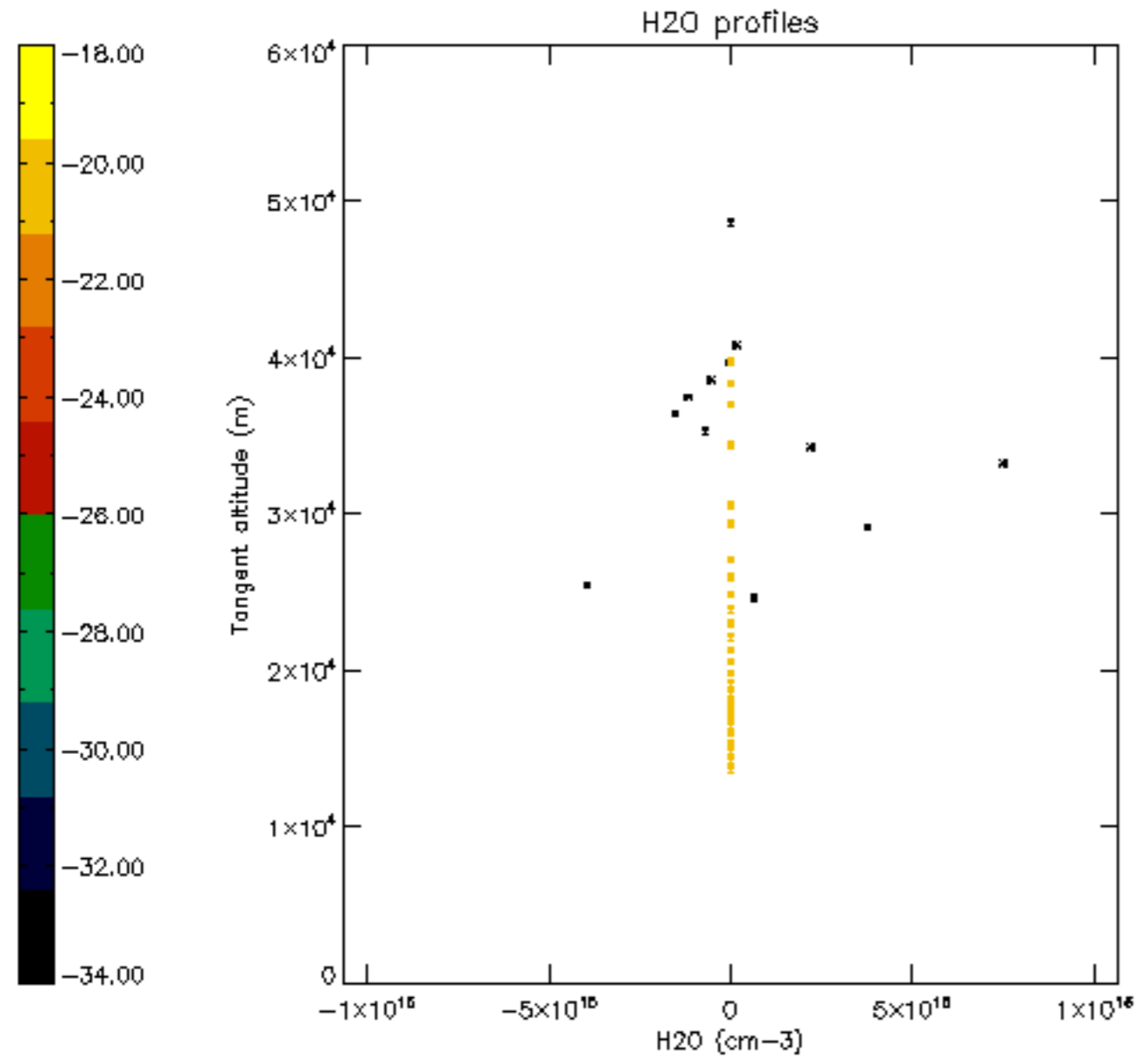


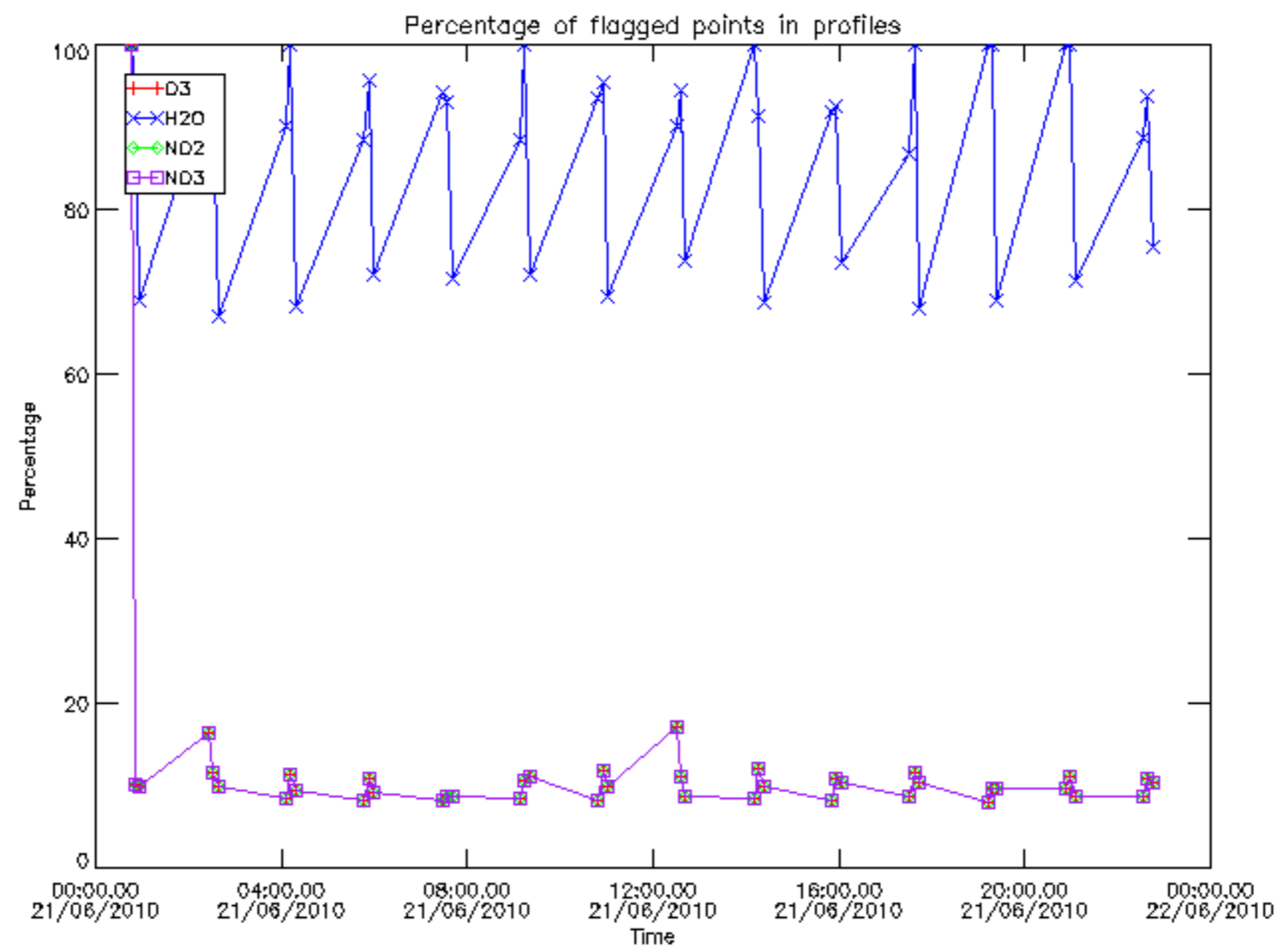




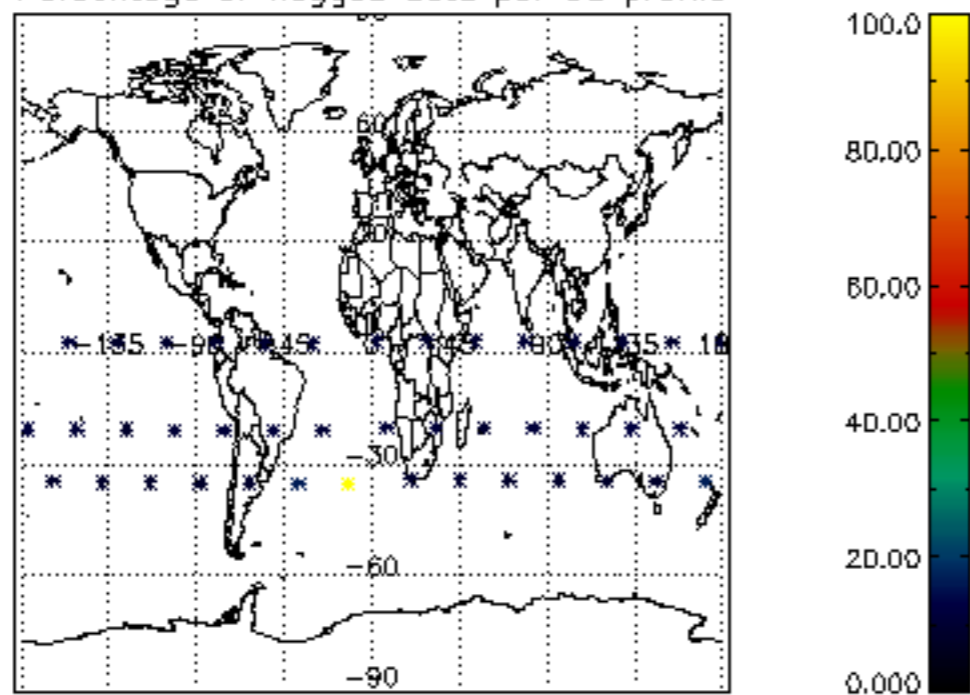




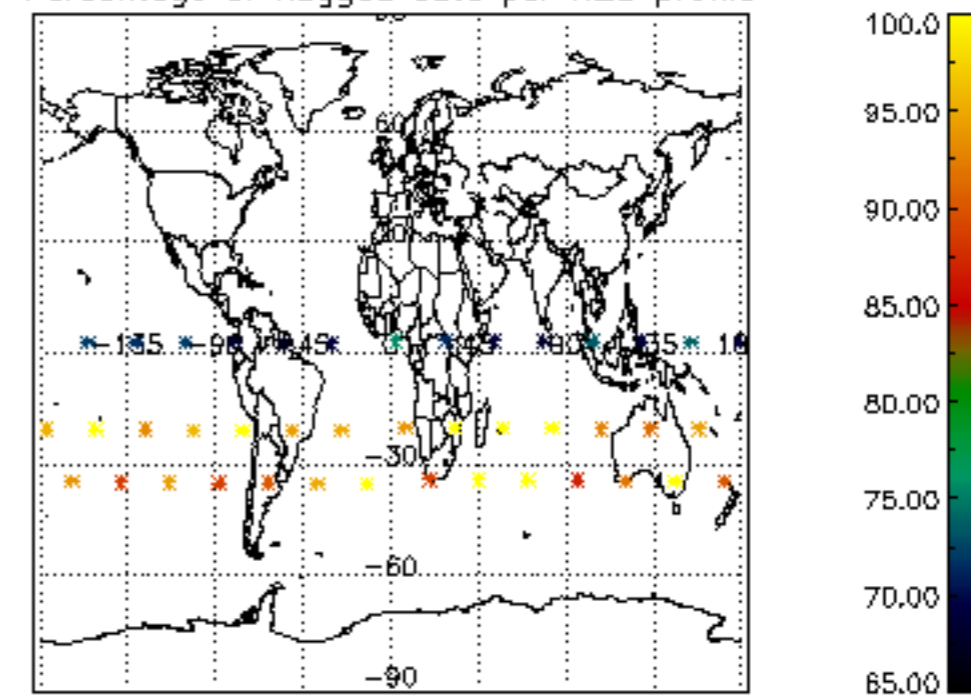




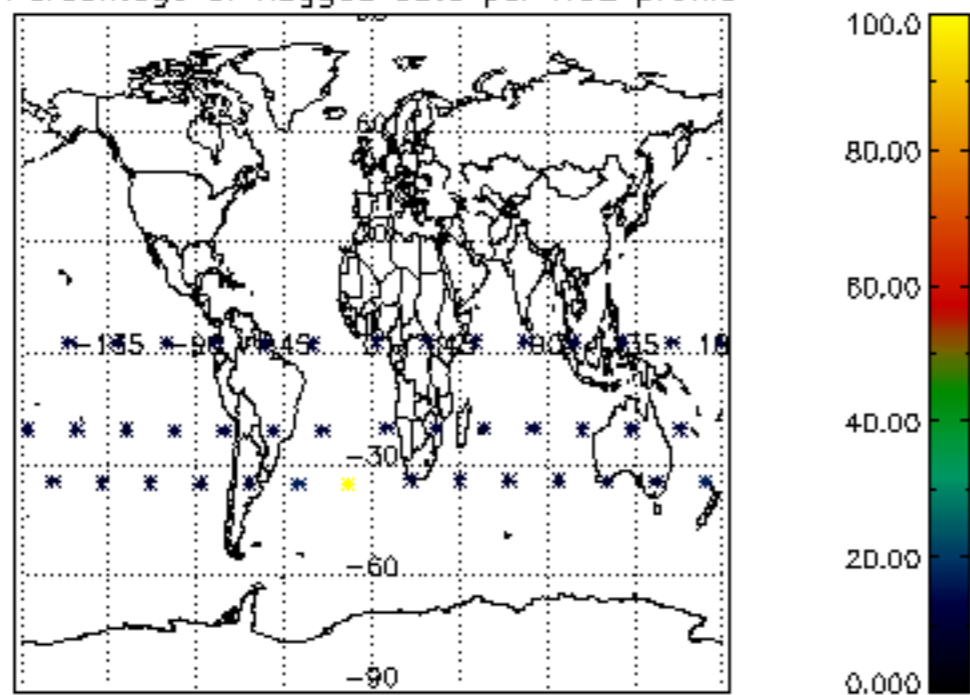
Percentage of flagged data per D3 profile



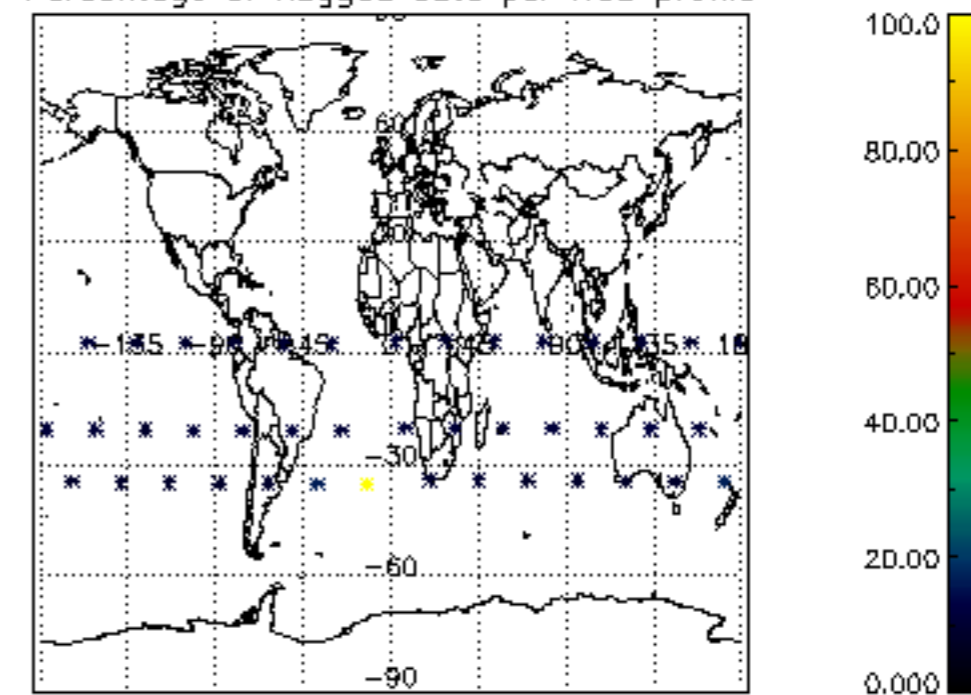
Percentage of flagged data per H2O profile

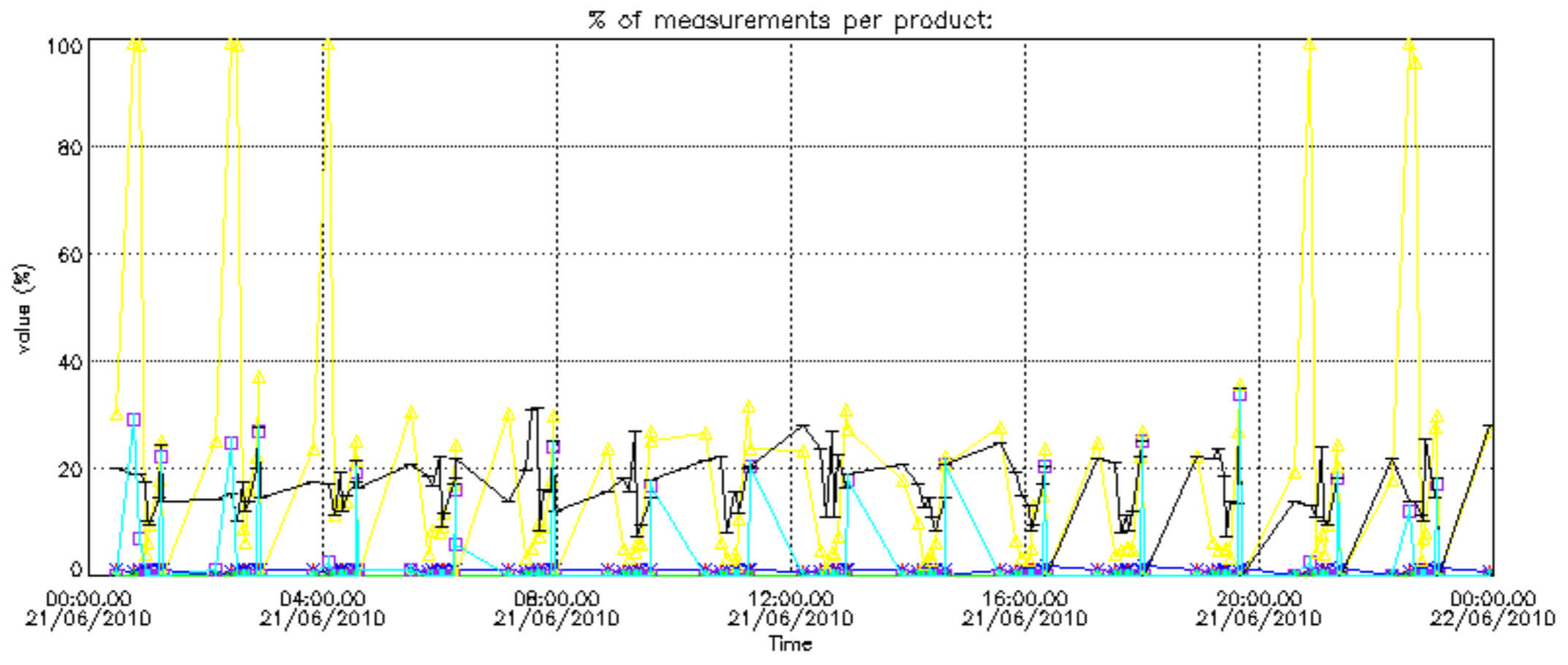


Percentage of flagged data per NO2 profile

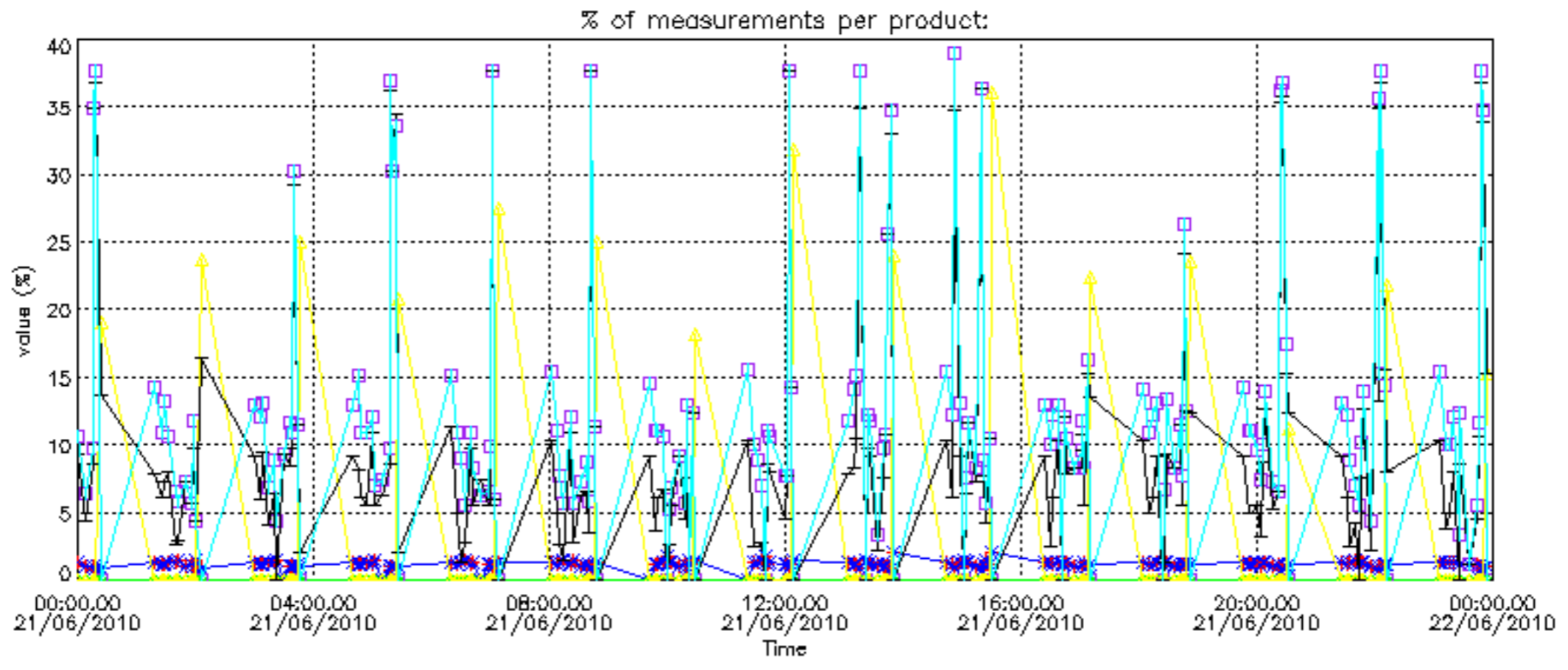


Percentage of flagged data per NO3 profile

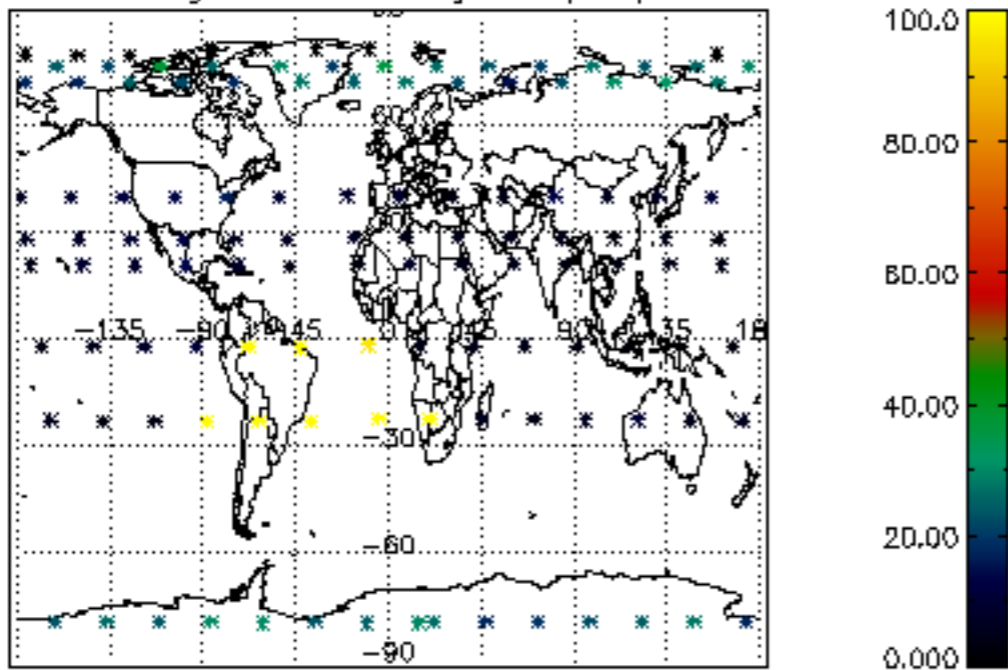




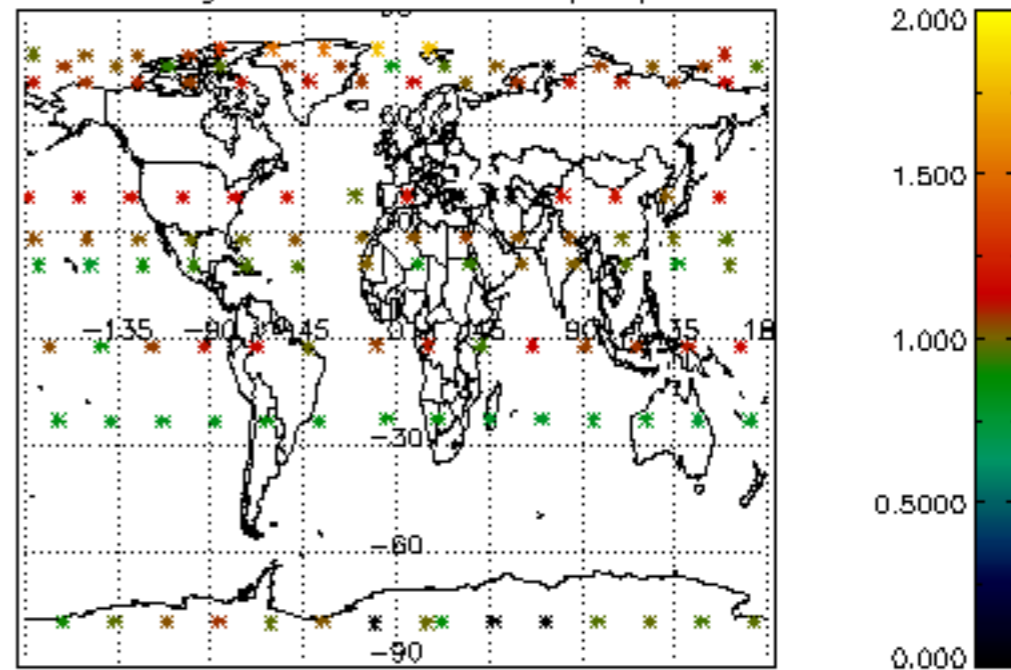




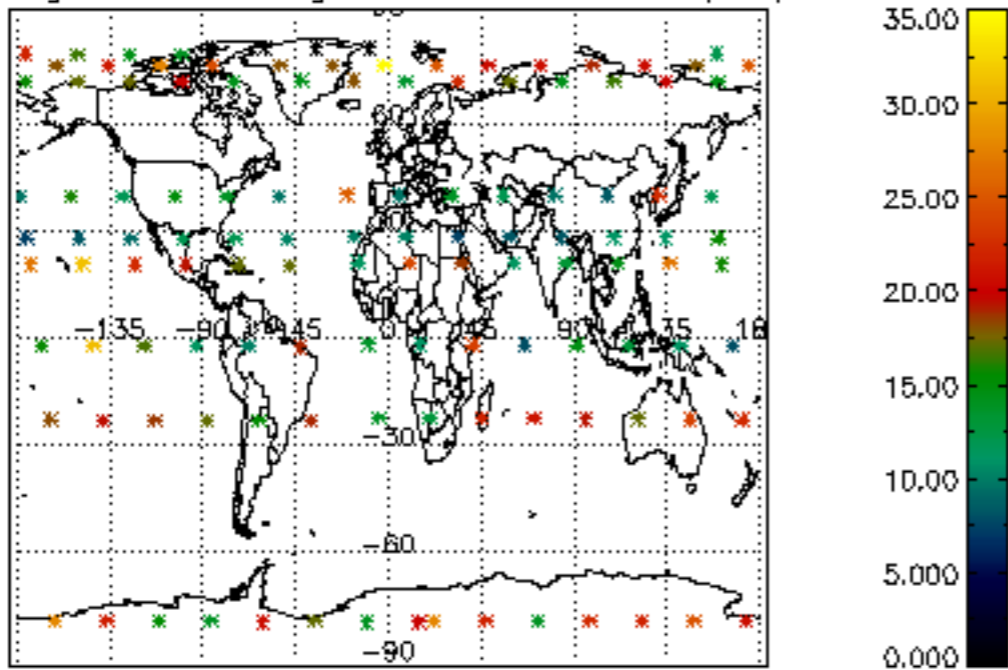
Percentage of cosmic ray hits per profile



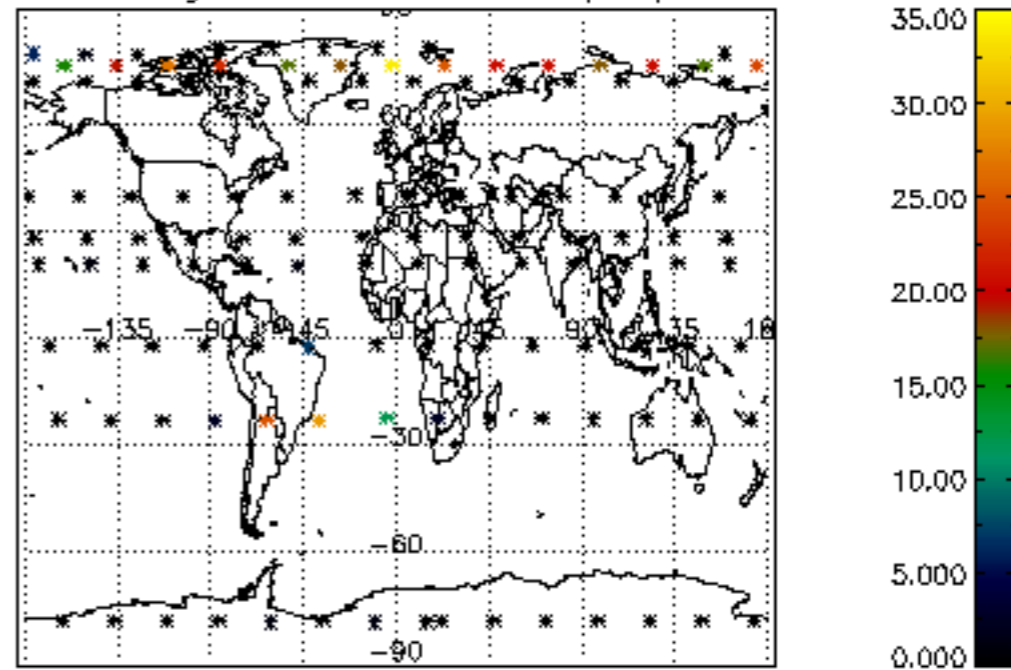
Percentage of datation errors per profile



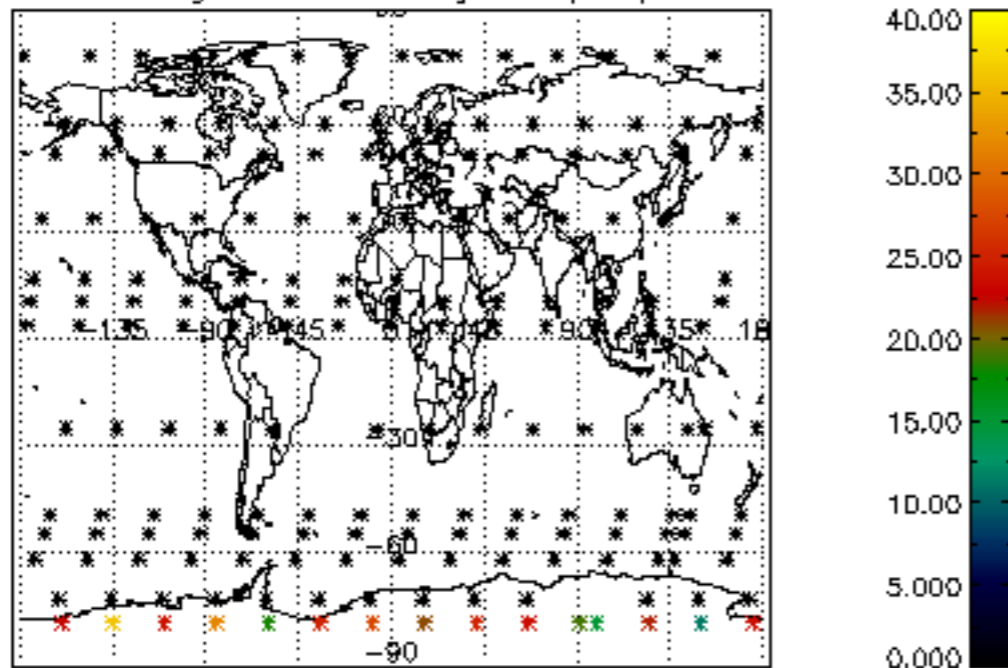
Percentage of star falling outside central band per profile



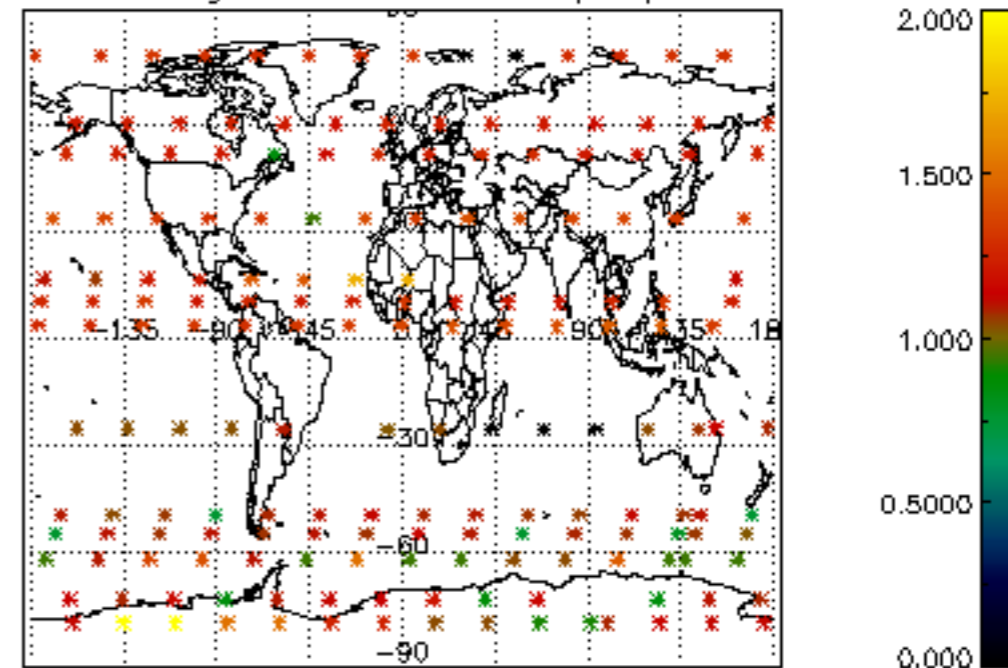
Percentage of saturation errors per profile



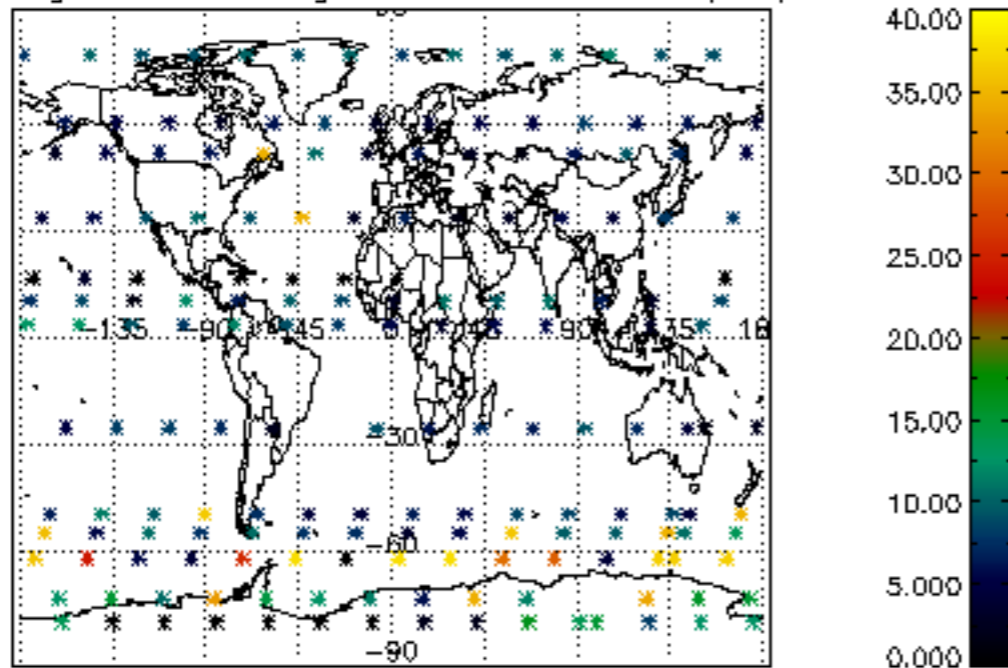
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

