

# 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 14:13:49
Data source version	GOMOS/6.01
Start time of products	15-08-2010 (15AUG2010 00:00:00)
Stop time of products	16-08-2010 (16AUG2010 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	314
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__2PRFIN20100815_000105_000000422092_00073_44215_5007.N1	15-AUG-2010 00:01:05	Twilight	42.000	44	24Gam Gem	1.9280	11000.	84	44215	No
2	GOM_NL__2PRFIN20100815_000432_000000592092_00073_44215_5008.N1	15-AUG-2010 00:04:32	Dark	59.000	14	58Alp Ori	0.87000	3000.0	118	44215	No
3	GOM_NL__2PRFIN20100815_000741_000000492092_00073_44215_5009.N1	15-AUG-2010 00:07:41	Dark	49.000	30	46Eps Ori	1.6940	30000.	98	44215	No
4	GOM_NL__2PRFIN20100815_000905_000000442092_00073_44215_5010.N1	15-AUG-2010 00:09:05	Dark	44.000	125	44Iot Ori	2.7700	30000.	88	44215	No
5	GOM_NL__2PRFIN20100815_001037_000000622092_00073_44215_5011.N1	15-AUG-2010 00:10:37	Dark	62.000	7	19Bet Ori	0.10000	14000.	124	44215	No
6	GOM_NL__2PRFIN20100815_001230_000000462092_00073_44215_5012.N1	15-AUG-2010 00:12:30	Dark	45.500	101	11Alp Lep	2.5820	7000.0	91	44215	No
7	GOM_NL__2PRFIN20100815_002612_000000482092_00074_44216_5007.N1	15-AUG-2010 00:26:12	Dark	47.500	157	The1Eri	2.9060	9300.0	95	44216	No
8	GOM_NL__2PRFIN20100815_003028_000000472092_00074_44216_5008.N1	15-AUG-2010 00:30:28	Dark	46.500	9	Alp Eri	0.45300	24000.	93	44216	No
9	GOM_NL__2PRFIN20100815_003609_000000532092_00074_44216_5009.N1	15-AUG-2010 00:36:09	Straylight	52.500	84	Alp Phe	2.3970	4500.0	105	44216	No
10	GOM_NL__2PRFIN20100815_003952_000000442092_00074_44216_5010.N1	15-AUG-2010 00:39:52	Straylight	44.000	31	Alp Gru	1.7340	15200.	88	44216	No
11	GOM_NL__2PRFIN20100815_004348_000000562092_00074_44216_5011.N1	15-AUG-2010 00:43:48	Twilight	55.500	18	24Alp PsA	1.1660	9700.0	111	44216	No
12	GOM_NL__2PRFIN20100815_004934_000000462092_00074_44216_5012.N1	15-AUG-2010 00:49:34	Bright	45.500	142	49Del Cap	2.8500	8900.0	91	44216	No
13	GOM_NL__2PRFIN20100815_005305_000000432092_00074_44216_5013.N1	15-AUG-2010 00:53:05	Bright	42.500	154	22Bet Aqr	2.8990	5700.0	85	44216	No
14	GOM_NL__2PRFIN20100815_005825_000000472092_00074_44216_5014.N1	15-AUG-2010 00:58:25	Bright	46.500	61	8Eps Peg	2.1000	3900.0	93	44216	No
15	GOM_NL__2PRFIN20100815_010452_000000382092_00074_44216_5015.N1	15-AUG-2010 01:04:52	Bright	38.000	92	53Eps Cyg	2.5000	4500.0	76	44216	No
16	GOM_NL__2PRFIN20100815_010625_000000362092_00074_44216_5016.N1	15-AUG-2010 01:06:25	Bright	35.500	66	37Gam Cyg	2.2080	5900.0	71	44216	No
17	GOM_NL__2PRFIN20100815_010804_000000382092_00074_44216_5017.N1	15-AUG-2010 01:08:04	Bright	37.500	19	50Alp Cyg	1.2460	10500.	75	44216	No
18	GOM_NL__2PRFIN20100815_011326_000000412092_00074_44216_5018.N1	15-AUG-2010 01:13:26	Bright	40.500	89	5Alp Cep	2.4510	8000.0	81	44216	No
19	GOM_NL__2PRFIN20100815_013300_000000502092_00074_44216_5019.N1	15-AUG-2010 01:33:00	Bright	49.500	6	13Alp Aur	0.080000	3400.0	99	44216	No
20	GOM_NL__2PRFIN20100815_013550_000000382092_00074_44216_5020.N1	15-AUG-2010 01:35:50	Bright	38.000	107	37The Aur	2.6490	11000.	76	44216	No
21	GOM_NL__2PRFIN20100815_013854_000000512092_00074_44216_5021.N1	15-AUG-2010 01:38:54	Twilight	50.500	28	12Bet Tau	1.6500	15200.	101	44216	No
22	GOM_NL__2PRFIN20100815_014142_000000432092_00074_44216_5022.N1	15-AUG-2010 01:41:42	Twilight	42.500	44	24Gam Gem	1.9280	11000.	85	44216	No
23	GOM_NL__2PRFIN20100815_014509_000000592092_00074_44216_5023.N1	15-AUG-2010 01:45:09	Dark	58.500	14	58Alp Ori	0.87000	3000.0	117	44216	No
24	GOM_NL__2PRFIN20100815_014817_000000502092_00074_44216_5024.N1	15-AUG-2010 01:48:17	Dark	50.000	30	46Eps Ori	1.6940	30000.	100	44216	No
25	GOM_NL__2PRFIN20100815_014942_000000462092_00074_44216_5025.N1	15-AUG-2010 01:49:42	Dark	46.000	125	44Iot Ori	2.7700	30000.	92	44216	No
26	GOM_NL__2PRFIN20100815_015113_000000552092_00074_44216_5026.N1	15-AUG-2010 01:51:13	Dark	54.500	7	19Bet Ori	0.10000	14000.	109	44216	No
27	GOM_NL__2PRFIN20100815_015307_000000452092_00074_44216_5027.N1	15-AUG-2010 01:53:07	Dark	44.500	101	11Alp Lep	2.5820	7000.0	89	44216	No
28	GOM_NL__2PRFIN20100815_020649_000000502092_00075_44217_5033.N1	15-AUG-2010 02:06:49	Dark	49.500	157	The1Eri	2.9060	9300.0	99	44217	No
29	GOM_NL__2PRFIN20100815_021104_000000442092_00075_44217_5034.N1	15-AUG-2010 02:11:04	Dark	44.000	9	Alp Eri	0.45300	24000.	88	44217	No
30	GOM_NL__2PRFIN20100815_021646_000000592092_00075_44217_5035.N1	15-AUG-2010 02:16:46	Straylight	58.500	84	Alp Phe	2.3970	4500.0	117	44217	No
31	GOM_NL__2PRFIN20100815_022029_000000452092_00075_44217_5036.N1	15-AUG-2010 02:20:29	Straylight	44.500	31	Alp Gru	1.7340	15200.	89	44217	No
32	GOM_NL__2PRFIN20100815_022425_000000592092_00075_44217_5037.N1	15-AUG-2010 02:24:25	Twilight	59.000	18	24Alp PsA	1.1660	9700.0	118	44217	No
33	GOM_NL__2PRFIN20100815_023010_000000452092_00075_44217_5038.N1	15-AUG-2010 02:30:10	Bright	45.000	142	49Del Cap	2.8500	8900.0	90	44217	No
34	GOM_NL__2PRFIN20100815_023341_000000432092_00075_44217_5039.N1	15-AUG-2010 02:33:41	Bright	43.000	154	22Bet Aqr	2.8990	5700.0	86	44217	No
35	GOM_NL__2PRFIN20100815_023901_000000482092_00075_44217_5040.N1	15-AUG-2010 02:39:01	Bright	47.500	61	8Eps Peg	2.1000	3900.0	95	44217	No
36	GOM_NL__2PRFIN20100815_024527_000000412092_00075_44217_5041.N1	15-AUG-2010 02:45:27	Bright	40.500	92	53Eps Cyg	2.5000	4500.0	81	44217	No
37	GOM_NL__2PRFIN20100815_024701_000000392092_00075_44217_5042.N1	15-AUG-2010 02:47:01	Bright	38.500	66	37Gam Cyg	2.2080	5900.0	77	44217	No
38	GOM_NL__2PRFIN20100815_024840_000000412092_00075_44217_5043.N1	15-AUG-2010 02:48:40	Bright	41.000	19	50Alp Cyg	1.2460	10500.	82	44217	No
39	GOM_NL__2PRFIN20100815_025402_000000372092_00075_44217_5044.N1	15-AUG-2010 02:54:02	Bright	36.500	89	5Alp Cep	2.4510	8000.0	73	44217	No
40	GOM_NL__2PRFIN20100815_031336_000000612092_00075_44217_5045.N1	15-AUG-2010 03:13:36	Bright	61.000	6	13Alp Aur	0.080000	3400.0	122	44217	No
41	GOM_NL__2PRFIN20100815_031627_000000392092_00075_44217_5046.N1	15-AUG-2010 03:16:27	Bright	38.500	107	37The Aur	2.6490	11000.	77	44217	No
42	GOM_NL__2PRFIN20100815_031930_000000512092_00075_44217_5047.N1	15-AUG-2010 03:19:30	Twilight	51.000	28	12Bet Tau	1.6500	15200.	102	44217	No

43	GOM_NL__2PRFIN20100815_032218_000000422092_00075_44217_5048.N1	15-AUG-2010 03:22:18	Twilight	41.500	44	24Gam Gem	1.9280	11000.	83	44217	No
44	GOM_NL__2PRFIN20100815_032545_000000542092_00075_44217_5049.N1	15-AUG-2010 03:25:45	Dark	53.500	14	58Alp Ori	0.87000	3000.0	107	44217	No
45	GOM_NL__2PRFIN20100815_032854_000000482092_00075_44217_5050.N1	15-AUG-2010 03:28:54	Dark	47.500	30	46Eps Ori	1.6940	30000.	95	44217	No
46	GOM_NL__2PRFIN20100815_033018_000000472092_00075_44217_5051.N1	15-AUG-2010 03:30:18	Dark	46.500	125	44lot Ori	2.7700	30000.	93	44217	No
47	GOM_NL__2PRFIN20100815_033149_000000562092_00075_44217_5052.N1	15-AUG-2010 03:31:49	Dark	56.000	7	19Bet Ori	0.10000	14000.	112	44217	No
48	GOM_NL__2PRFIN20100815_033344_000000462092_00075_44217_5053.N1	15-AUG-2010 03:33:44	Dark	46.000	101	11Alp Lep	2.5820	7000.0	92	44217	No
49	GOM_NL__2PRFIN20100815_034726_000000492092_00076_44218_5043.N1	15-AUG-2010 03:47:26	Dark	49.000	157	The1Eri	2.9060	9300.0	98	44218	No
50	GOM_NL__2PRFIN20100815_035141_000000432092_00076_44218_5044.N1	15-AUG-2010 03:51:41	Dark	43.000	9	Alp Eri	0.45300	24000.	86	44218	No
51	GOM_NL__2PRFIN20100815_035722_000000552092_00076_44218_5045.N1	15-AUG-2010 03:57:22	Straylight	55.000	84	Alp Phe	2.3970	4500.0	110	44218	No
52	GOM_NL__2PRFIN20100815_040105_000000432092_00076_44218_5046.N1	15-AUG-2010 04:01:05	Straylight	43.000	31	Alp Gru	1.7340	15200.	86	44218	No
53	GOM_NL__2PRFIN20100815_040501_000000562092_00076_44218_5047.N1	15-AUG-2010 04:05:01	Twilight	56.000	18	24Alp PsA	1.1660	9700.0	112	44218	No
54	GOM_NL__2PRFIN20100815_041046_000000472092_00076_44218_5048.N1	15-AUG-2010 04:10:46	Bright	47.000	142	49Del Cap	2.8500	8900.0	94	44218	No
55	GOM_NL__2PRFIN20100815_041417_000000412092_00076_44218_5049.N1	15-AUG-2010 04:14:17	Bright	41.000	154	22Bet Aqr	2.8990	5700.0	82	44218	No
56	GOM_NL__2PRFIN20100815_041624_000000282092_00076_44218_5050.N1	15-AUG-2010 04:16:24	Twilight	28.000	162	34Alp Aqr	2.9440	5350.0	56	44218	No
57	GOM_NL__2PRFIN20100815_041937_000000462092_00076_44218_5051.N1	15-AUG-2010 04:19:37	Bright	46.000	61	8Eps Peg	2.1000	3900.0	92	44218	No
58	GOM_NL__2PRFIN20100815_042603_000000422092_00076_44218_5052.N1	15-AUG-2010 04:26:03	Bright	42.000	92	53Eps Cyg	2.5000	4500.0	84	44218	No
59	GOM_NL__2PRFIN20100815_042737_000000392092_00076_44218_5053.N1	15-AUG-2010 04:27:37	Bright	39.000	66	37Gam Cyg	2.2080	5900.0	78	44218	No
60	GOM_NL__2PRFIN20100815_042915_000000402092_00076_44218_5054.N1	15-AUG-2010 04:29:15	Bright	40.000	19	50Alp Cyg	1.2460	10500.	80	44218	No
61	GOM_NL__2PRFIN20100815_043438_000000382092_00076_44218_5055.N1	15-AUG-2010 04:34:38	Bright	37.500	89	5Alp Cep	2.4510	8000.0	75	44218	No
62	GOM_NL__2PRFIN20100815_045412_000000612092_00076_44218_5056.N1	15-AUG-2010 04:54:12	Bright	61.000	6	13Alp Aur	0.080000	3400.0	122	44218	No
63	GOM_NL__2PRFIN20100815_045703_000000442092_00076_44218_5057.N1	15-AUG-2010 04:57:03	Bright	44.000	107	37The Aur	2.6490	11000.	88	44218	No
64	GOM_NL__2PRFIN20100815_050007_000000532092_00076_44218_5058.N1	15-AUG-2010 05:00:07	Twilight	52.500	28	12Bet Tau	1.6500	15200.	105	44218	No
65	GOM_NL__2PRFIN20100815_050254_000000412092_00076_44218_5059.N1	15-AUG-2010 05:02:54	Twilight	40.500	44	24Gam Gem	1.9280	11000.	81	44218	No
66	GOM_NL__2PRFIN20100815_050622_000000522092_00076_44218_5060.N1	15-AUG-2010 05:06:22	Dark	51.500	14	58Alp Ori	0.87000	3000.0	103	44218	No
67	GOM_NL__2PRFIN20100815_050930_000000502092_00076_44218_5061.N1	15-AUG-2010 05:09:30	Dark	49.500	30	46Eps Ori	1.6940	30000.	99	44218	No
68	GOM_NL__2PRFIN20100815_051055_000000442092_00076_44218_5062.N1	15-AUG-2010 05:10:55	Dark	43.500	125	44lot Ori	2.7700	30000.	87	44218	No
69	GOM_NL__2PRFIN20100815_051226_000000532092_00076_44218_5063.N1	15-AUG-2010 05:12:26	Dark	53.000	7	19Bet Ori	0.10000	14000.	106	44218	No
70	GOM_NL__2PRFIN20100815_051421_000000432092_00076_44218_5064.N1	15-AUG-2010 05:14:21	Dark	43.000	101	11Alp Lep	2.5820	7000.0	86	44218	No
71	GOM_NL__2PRFIN20100815_052803_000000522092_00077_44219_5054.N1	15-AUG-2010 05:28:03	Dark	51.500	157	The1Eri	2.9060	9300.0	103	44219	No
72	GOM_NL__2PRFIN20100815_053218_000000462092_00077_44219_5055.N1	15-AUG-2010 05:32:18	Dark	45.500	9	Alp Eri	0.45300	24000.	91	44219	No
73	GOM_NL__2PRFIN20100815_053759_000000542092_00077_44219_5056.N1	15-AUG-2010 05:37:59	Straylight	53.500	84	Alp Phe	2.3970	4500.0	107	44219	No
74	GOM_NL__2PRFIN20100815_054142_000000422092_00077_44219_5057.N1	15-AUG-2010 05:41:42	Straylight	41.500	31	Alp Gru	1.7340	15200.	83	44219	No
75	GOM_NL__2PRFIN20100815_054537_000000562092_00077_44219_5058.N1	15-AUG-2010 05:45:37	Twilight	56.000	18	24Alp PsA	1.1660	9700.0	112	44219	No
76	GOM_NL__2PRFIN20100815_055122_000000462092_00077_44219_5059.N1	15-AUG-2010 05:51:22	Bright	46.000	142	49Del Cap	2.8500	8900.0	92	44219	No
77	GOM_NL__2PRFIN20100815_055453_000000452092_00077_44219_5060.N1	15-AUG-2010 05:54:53	Bright	44.500	154	22Bet Aqr	2.8990	5700.0	89	44219	No
78	GOM_NL__2PRFIN20100815_055659_000000282092_00077_44219_5061.N1	15-AUG-2010 05:56:59	Twilight	28.000	162	34Alp Aqr	2.9440	5350.0	56	44219	No
79	GOM_NL__2PRFIN20100815_060012_000000452092_00077_44219_5062.N1	15-AUG-2010 06:00:12	Bright	44.500	61	8Eps Peg	2.1000	3900.0	89	44219	No
80	GOM_NL__2PRFIN20100815_060639_000000372092_00077_44219_5063.N1	15-AUG-2010 06:06:39	Bright	37.000	92	53Eps Cyg	2.5000	4500.0	74	44219	No
81	GOM_NL__2PRFIN20100815_060813_000000372092_00077_44219_5064.N1	15-AUG-2010 06:08:13	Bright	37.000	66	37Gam Cyg	2.2080	5900.0	74	44219	No
82	GOM_NL__2PRFIN20100815_060951_000000412092_00077_44219_5065.N1	15-AUG-2010 06:09:51	Bright	41.000	19	50Alp Cyg	1.2460	10500.	82	44219	No
83	GOM_NL__2PRFIN20100815_061513_000000382092_00077_44219_5066.N1	15-AUG-2010 06:15:13	Bright	38.000	89	5Alp Cep	2.4510	8000.0	76	44219	No
84	GOM_NL__2PRFIN20100815_063448_000000482092_00077_44219_5067.N1	15-AUG-2010 06:34:48	Bright	47.500	6	13Alp Aur	0.080000	3400.0	95	44219	No
85	GOM_NL__2PRFIN20100815_063738_000000382092_00077_44219_5068.N1	15-AUG-2010 06:37:38	Bright	37.500	107	37The Aur	2.6490	11000.	75	44219	No
86	GOM_NL__2PRFIN20100815_064043_000000502092_00077_44219_5069.N1	15-AUG-2010 06:40:43	Twilight	50.000	28	12Bet Tau	1.6500	15200.	100	44219	No
87	GOM_NL__2PRFIN20100815_064330_000000412092_00077_44219_5070.N1	15-AUG-2010 06:43:30	Twilight	41.000	44	24Gam Gem	1.9280	11000.	82	44219	No
88	GOM_NL__2PRFIN20100815_064658_000000432092_00077_44219_5071.N1	15-AUG-2010 06:46:58	Dark	42.500	14	58Alp Ori	0.87000	3000.0	85	44219	No
89	GOM_NL__2PRFIN20100815_065007_000000492092_00077_44219_5072.N1	15-AUG-2010 06:50:07	Dark	49.000	30	46Eps Ori	1.6940	30000.	98	44219	No
90	GOM_NL__2PRFIN20100815_065132_000000442092_00077_44219_5073.N1	15-AUG-2010 06:51:32	Dark	43.500	125	44lot Ori	2.7700	30000.	87	44219	No
91	GOM_NL__2PRFIN20100815_065303_000000592092_00077_44219_5074.N1	15-AUG-2010 06:53:03	Dark	58.500	7	19Bet Ori	0.10000	14000.	117	44219	No
92	GOM_NL__2PRFIN20100815_065457_000000462092_00077_44219_5075.N1	15-AUG-2010 06:54:57	Dark	46.000	101	11Alp Lep	2.5820	7000.0	92	44219	No
93	GOM_NL__2PRFIN20100815_070841_000000492092_00078_44220_5084.N1	15-AUG-2010 07:08:41	Dark	48.500	157	The1Eri	2.9060	9300.0	97	44220	No
94	GOM_NL__2PRFIN20100815_071255_000000452092_00078_44220_5085.N1	15-AUG-2010 07:12:55	Dark	45.000	9	Alp Eri	0.45300	24000.	90	44220	No
95	GOM_NL__2PRFIN20100815_071836_000000552092_00078_44220_5086.N1	15-AUG-2010 07:18:36	Straylight	54.500	84	Alp Phe	2.3970	4500.0	109	44220	No
96	GOM_NL__2PRFIN20100815_072218_000000452092_00078_44220_5087.N1	15-AUG-2010 07:22:18	Straylight	44.500	31	Alp Gru	1.7340	15200.	89	44220	No
97	GOM_NL__2PRFIN20100815_072614_000000572092_00078_44220_5088.N1	15-AUG-2010 07:26:14	Twilight	57.000	18	24Alp PsA	1.1660	9700.0	114	44220	No
98	GOM_NL__2PRFIN20100815_073159_000000452092_00078_44220_5089.N1	15-AUG-2010 07:31:59	Bright	45.000	142	49Del Cap	2.8500	8900.0	90	44220	No
99	GOM_NL__2PRFIN20100815_073529_000000442092_00078_44220_5090.N1	15-AUG-2010 07:35:29	Bright	43.500	154	22Bet Aqr	2.8990	5700.0	87	44220	No
100	GOM_NL__2PRFIN20100815_073735_000000352092_00078_44220_5091.N1	15-AUG-2010 07:37:35	Bright	35.000	162	34Alp Aqr	2.9440	5350.0	70	44220	No
101	GOM_NL__2PRFIN20100815_074048_000000472092_00078_44220_5092.N1	15-AUG-2010 07:40:48	Bright	46.500	61	8Eps Peg	2.1000	3900.0	93	44220	No

102	GOM_NL__2PRFIN20100815_074715_000000402092_00078_44220_5093.N1	15-AUG-2010 07:47:15	Bright	39.500	92	53Eps Cyg	2.5000	4500.0	79	44220	No
103	GOM_NL__2PRFIN20100815_074848_000000402092_00078_44220_5094.N1	15-AUG-2010 07:48:48	Bright	39.500	66	37Gam Cyg	2.2080	5900.0	79	44220	No
104	GOM_NL__2PRFIN20100815_075027_000000412092_00078_44220_5095.N1	15-AUG-2010 07:50:27	Bright	41.000	19	50Alp Cyg	1.2460	10500.	82	44220	No
105	GOM_NL__2PRFIN20100815_075549_000000392092_00078_44220_5096.N1	15-AUG-2010 07:55:49	Bright	38.500	89	5Alp Cep	2.4510	8000.0	77	44220	No
106	GOM_NL__2PRFIN20100815_081523_000000612092_00078_44220_5097.N1	15-AUG-2010 08:15:23	Bright	61.000	6	13Alp Aur	0.080000	3400.0	122	44220	No
107	GOM_NL__2PRFIN20100815_081815_000000572092_00078_44220_5098.N1	15-AUG-2010 08:18:15	Bright	57.000	107	37The Aur	2.6490	11000.	114	44220	No
108	GOM_NL__2PRFIN20100815_082119_000000502092_00078_44220_5099.N1	15-AUG-2010 08:21:19	Twilight	50.000	28	12Bet Tau	1.6500	15200.	100	44220	No
109	GOM_NL__2PRFIN20100815_082407_000000392092_00078_44220_5100.N1	15-AUG-2010 08:24:07	Twilight	38.500	44	24Gam Gem	1.9280	11000.	77	44220	No
110	GOM_NL__2PRFIN20100815_082734_000000582092_00078_44220_5101.N1	15-AUG-2010 08:27:34	Dark	57.500	14	58Alp Ori	0.87000	3000.0	115	44220	No
111	GOM_NL__2PRFIN20100815_083043_000000482092_00078_44220_5102.N1	15-AUG-2010 08:30:43	Dark	47.500	30	46Eps Ori	1.6940	30000.	95	44220	No
112	GOM_NL__2PRFIN20100815_083208_000000472092_00078_44220_5103.N1	15-AUG-2010 08:32:08	Dark	46.500	125	44lot Ori	2.7700	30000.	93	44220	No
113	GOM_NL__2PRFIN20100815_083340_000000592092_00078_44220_5104.N1	15-AUG-2010 08:33:40	Dark	58.500	7	19Bet Ori	0.10000	14000.	117	44220	No
114	GOM_NL__2PRFIN20100815_083534_000000472092_00078_44220_5105.N1	15-AUG-2010 08:35:34	Dark	47.000	101	11Alp Lep	2.5820	7000.0	94	44220	No
115	GOM_NL__2PRFIN20100815_084918_000000502092_00079_44221_5099.N1	15-AUG-2010 08:49:18	Dark	50.000	157	The1Eri	2.9060	9300.0	100	44221	No
116	GOM_NL__2PRFIN20100815_085331_000000442092_00079_44221_5100.N1	15-AUG-2010 08:53:31	Dark	44.000	9	Alp Eri	0.45300	24000.	88	44221	No
117	GOM_NL__2PRFIN20100815_085913_000000532092_00079_44221_5101.N1	15-AUG-2010 08:59:13	Straylight	52.500	84	Alp Phe	2.3970	4500.0	105	44221	No
118	GOM_NL__2PRFIN20100815_090254_000000492092_00079_44221_5102.N1	15-AUG-2010 09:02:54	Straylight	49.000	31	Alp Gru	1.7340	15200.	98	44221	No
119	GOM_NL__2PRFIN20100815_090650_000000542092_00079_44221_5103.N1	15-AUG-2010 09:06:50	Twilight	54.000	18	24Alp PsA	1.1660	9700.0	108	44221	No
120	GOM_NL__2PRFIN20100815_091235_000000442092_00079_44221_5104.N1	15-AUG-2010 09:12:35	Bright	44.000	142	49Del Cap	2.8500	8900.0	88	44221	No
121	GOM_NL__2PRFIN20100815_091605_000000432092_00079_44221_5105.N1	15-AUG-2010 09:16:05	Bright	42.500	154	22Bet Aqr	2.8990	5700.0	85	44221	No
122	GOM_NL__2PRFIN20100815_091811_000000352092_00079_44221_5106.N1	15-AUG-2010 09:18:11	Bright	35.000	162	34Alp Aqr	2.9440	5350.0	70	44221	No
123	GOM_NL__2PRFIN20100815_092123_000000482092_00079_44221_5107.N1	15-AUG-2010 09:21:23	Bright	48.000	61	8Eps Peg	2.1000	3900.0	96	44221	No
124	GOM_NL__2PRFIN20100815_092750_000000372092_00079_44221_5108.N1	15-AUG-2010 09:27:50	Bright	37.000	92	53Eps Cyg	2.5000	4500.0	74	44221	No
125	GOM_NL__2PRFIN20100815_092924_000000372092_00079_44221_5109.N1	15-AUG-2010 09:29:24	Bright	36.500	66	37Gam Cyg	2.2080	5900.0	73	44221	No
126	GOM_NL__2PRFIN20100815_093103_000000412092_00079_44221_5110.N1	15-AUG-2010 09:31:03	Bright	40.500	19	50Alp Cyg	1.2460	10500.	81	44221	No
127	GOM_NL__2PRFIN20100815_093624_000000432092_00079_44221_5111.N1	15-AUG-2010 09:36:24	Bright	42.500	89	5Alp Cep	2.4510	8000.0	85	44221	No
128	GOM_NL__2PRFIN20100815_095559_000000462092_00079_44221_5112.N1	15-AUG-2010 09:55:59	Bright	45.500	6	13Alp Aur	0.080000	3400.0	91	44221	No
129	GOM_NL__2PRFIN20100815_095851_000000522092_00079_44221_5113.N1	15-AUG-2010 09:58:51	Bright	51.500	107	37The Aur	2.6490	11000.	103	44221	No
130	GOM_NL__2PRFIN20100815_100155_000000492092_00079_44221_5114.N1	15-AUG-2010 10:01:55	Twilight	49.000	28	12Bet Tau	1.6500	15200.	98	44221	No
131	GOM_NL__2PRFIN20100815_100443_000000382092_00079_44221_5115.N1	15-AUG-2010 10:04:43	Twilight	38.000	44	24Gam Gem	1.9280	11000.	76	44221	No
132	GOM_NL__2PRFIN20100815_100811_000000592092_00079_44221_5116.N1	15-AUG-2010 10:08:11	Dark	59.000	14	58Alp Ori	0.87000	3000.0	118	44221	No
133	GOM_NL__2PRFIN20100815_101120_000000512092_00079_44221_5117.N1	15-AUG-2010 10:11:20	Dark	50.500	30	46Eps Ori	1.6940	30000.	101	44221	No
134	GOM_NL__2PRFIN20100815_101244_000000452092_00079_44221_5118.N1	15-AUG-2010 10:12:44	Dark	44.500	125	44lot Ori	2.7700	30000.	89	44221	No
135	GOM_NL__2PRFIN20100815_101417_000000562092_00079_44221_5119.N1	15-AUG-2010 10:14:17	Dark	56.000	7	19Bet Ori	0.10000	14000.	112	44221	No
136	GOM_NL__2PRFIN20100815_101610_000000462092_00079_44221_5120.N1	15-AUG-2010 10:16:10	Dark	45.500	101	11Alp Lep	2.5820	7000.0	91	44221	No
137	GOM_NL__2PRFIN20100815_102955_000000512092_00080_44222_5159.N1	15-AUG-2010 10:29:55	Dark	50.500	157	The1Eri	2.9060	9300.0	101	44222	No
138	GOM_NL__2PRFIN20100815_103408_000000452092_00080_44222_5160.N1	15-AUG-2010 10:34:08	Dark	44.500	9	Alp Eri	0.45300	24000.	89	44222	No
139	GOM_NL__2PRFIN20100815_103950_000000572092_00080_44222_5161.N1	15-AUG-2010 10:39:50	Straylight	56.500	84	Alp Phe	2.3970	4500.0	113	44222	No
140	GOM_NL__2PRFIN20100815_104330_000000412092_00080_44222_5162.N1	15-AUG-2010 10:43:30	Straylight	41.000	31	Alp Gru	1.7340	15200.	82	44222	No
141	GOM_NL__2PRFIN20100815_104727_000000582092_00080_44222_5163.N1	15-AUG-2010 10:47:27	Twilight	58.000	18	24Alp PsA	1.1660	9700.0	116	44222	No
142	GOM_NL__2PRFIN20100815_105311_000000462092_00080_44222_5164.N1	15-AUG-2010 10:53:11	Bright	45.500	142	49Del Cap	2.8500	8900.0	91	44222	No
143	GOM_NL__2PRFIN20100815_105640_000000442092_00080_44222_5165.N1	15-AUG-2010 10:56:40	Bright	44.000	154	22Bet Aqr	2.8990	5700.0	88	44222	No
144	GOM_NL__2PRFIN20100815_105846_000000422092_00080_44222_5166.N1	15-AUG-2010 10:58:46	Bright	42.000	162	34Alp Aqr	2.9440	5350.0	84	44222	No
145	GOM_NL__2PRFIN20100815_110159_000000442092_00080_44222_5167.N1	15-AUG-2010 11:01:59	Bright	43.500	61	8Eps Peg	2.1000	3900.0	87	44222	No
146	GOM_NL__2PRFIN20100815_110825_000000372092_00080_44222_5168.N1	15-AUG-2010 11:08:25	Bright	36.500	92	53Eps Cyg	2.5000	4500.0	73	44222	No
147	GOM_NL__2PRFIN20100815_111000_000000372092_00080_44222_5169.N1	15-AUG-2010 11:10:00	Bright	37.000	66	37Gam Cyg	2.2080	5900.0	74	44222	No
148	GOM_NL__2PRFIN20100815_111138_000000422092_00080_44222_5170.N1	15-AUG-2010 11:11:38	Bright	41.500	19	50Alp Cyg	1.2460	10500.	83	44222	No
149	GOM_NL__2PRFIN20100815_111700_000000392092_00080_44222_5171.N1	15-AUG-2010 11:17:00	Bright	38.500	89	5Alp Cep	2.4510	8000.0	77	44222	No
150	GOM_NL__2PRFIN20100815_113635_000000502092_00080_44222_5172.N1	15-AUG-2010 11:36:35	Bright	50.000	6	13Alp Aur	0.080000	3400.0	100	44222	No
151	GOM_NL__2PRFIN20100815_113926_000000392092_00080_44222_5173.N1	15-AUG-2010 11:39:26	Bright	39.000	107	37The Aur	2.6490	11000.	78	44222	No
152	GOM_NL__2PRFIN20100815_114231_000000522092_00080_44222_5174.N1	15-AUG-2010 11:42:31	Twilight	51.500	28	12Bet Tau	1.6500	15200.	103	44222	No
153	GOM_NL__2PRFIN20100815_114519_000000442092_00080_44222_5175.N1	15-AUG-2010 11:45:19	Twilight	44.000	44	24Gam Gem	1.9280	11000.	88	44222	No
154	GOM_NL__2PRFIN20100815_114847_000000492092_00080_44222_5176.N1	15-AUG-2010 11:48:47	Dark	49.000	14	58Alp Ori	0.87000	3000.0	98	44222	No
155	GOM_NL__2PRFIN20100815_115157_000000482092_00080_44222_5177.N1	15-AUG-2010 11:51:57	Dark	47.500	30	46Eps Ori	1.6940	30000.	95	44222	No
156	GOM_NL__2PRFIN20100815_115321_000000482092_00080_44222_5178.N1	15-AUG-2010 11:53:21	Dark	47.500	125	44lot Ori	2.7700	30000.	95	44222	No
157	GOM_NL__2PRFIN20100815_115453_000000562092_00080_44222_5179.N1	15-AUG-2010 11:54:53	Dark	56.000	7	19Bet Ori	0.10000	14000.	112	44222	No
158	GOM_NL__2PRFIN20100815_115647_000000452092_00080_44222_5180.N1	15-AUG-2010 11:56:47	Dark	45.000	101	11Alp Lep	2.5820	7000.0	90	44222	No
159	GOM_NL__2PRFIN20100815_121032_000000502092_00081_44223_5181.N1	15-AUG-2010 12:10:32	Dark	49.500	157	The1Eri	2.9060	9300.0	99	44223	No
160	GOM_NL__2PRFIN20100815_121444_000000462092_00081_44223_5182.N1	15-AUG-2010 12:14:44	Dark	46.000	9	Alp Eri	0.45300	24000.	92	44223	No

161	GOM_NL__2PRFIN20100815_122026_000000532092_00081_44223_5183.N1	15-AUG-2010 12:20:26	Straylight	52.500	84	Alp Phe	2.3970	4500.0	105	44223	No
162	GOM_NL__2PRFIN20100815_122406_000000422092_00081_44223_5184.N1	15-AUG-2010 12:24:06	Straylight	41.500	31	Alp Gru	1.7340	15200.	83	44223	No
163	GOM_NL__2PRFIN20100815_122803_000000562092_00081_44223_5185.N1	15-AUG-2010 12:28:03	Tw_i_and_stray	56.000	18	24Alp PsA	1.1660	9700.0	112	44223	No
164	GOM_NL__2PRFIN20100815_123347_000000452092_00081_44223_5186.N1	15-AUG-2010 12:33:47	Bright	45.000	142	49Del Cap	2.8500	8900.0	90	44223	No
165	GOM_NL__2PRFIN20100815_123716_000000442092_00081_44223_5187.N1	15-AUG-2010 12:37:16	Bright	43.500	154	22Bet Aqr	2.8990	5700.0	87	44223	No
166	GOM_NL__2PRFIN20100815_123922_000000422092_00081_44223_5188.N1	15-AUG-2010 12:39:22	Bright	42.000	162	34Alp Aqr	2.9440	5350.0	84	44223	No
167	GOM_NL__2PRFIN20100815_124234_000000472092_00081_44223_5189.N1	15-AUG-2010 12:42:34	Bright	47.000	61	8Eps Peg	2.1000	3900.0	94	44223	No
168	GOM_NL__2PRFIN20100815_124902_000000392092_00081_44223_5190.N1	15-AUG-2010 12:49:02	Bright	38.500	92	53Eps Cyg	2.5000	4500.0	77	44223	No
169	GOM_NL__2PRFIN20100815_125036_000000352092_00081_44223_5191.N1	15-AUG-2010 12:50:36	Bright	34.500	66	37Gam Cyg	2.2080	5900.0	69	44223	No
170	GOM_NL__2PRFIN20100815_125214_000000412092_00081_44223_5192.N1	15-AUG-2010 12:52:14	Bright	41.000	19	50Alp Cyg	1.2460	10500.	82	44223	No
171	GOM_NL__2PRFIN20100815_125736_000000392092_00081_44223_5193.N1	15-AUG-2010 12:57:36	Bright	39.000	89	5Alp Cep	2.4510	8000.0	78	44223	No
172	GOM_NL__2PRFIN20100815_131711_000000512092_00081_44223_5194.N1	15-AUG-2010 13:17:11	Bright	50.500	6	13Alp Aur	0.080000	3400.0	101	44223	No
173	GOM_NL__2PRFIN20100815_132002_000000402092_00081_44223_5195.N1	15-AUG-2010 13:20:02	Bright	39.500	107	37The Aur	2.6490	11000.	79	44223	No
174	GOM_NL__2PRFIN20100815_132307_000000512092_00081_44223_5196.N1	15-AUG-2010 13:23:07	Tw_i_and_stray	51.000	28	12Bet Tau	1.6500	15200.	102	44223	No
175	GOM_NL__2PRFIN20100815_132555_000000432092_00081_44223_5197.N1	15-AUG-2010 13:25:55	Tw_i_and_stray	43.000	44	24Gam Gem	1.9280	11000.	86	44223	No
176	GOM_NL__2PRFIN20100815_132923_000000572092_00081_44223_5198.N1	15-AUG-2010 13:29:23	Dark	57.000	14	58Alp Ori	0.87000	3000.0	114	44223	No
177	GOM_NL__2PRFIN20100815_133233_000000482092_00081_44223_5199.N1	15-AUG-2010 13:32:33	Dark	48.000	30	46Eps Ori	1.6940	30000.	96	44223	No
178	GOM_NL__2PRFIN20100815_133358_000000462092_00081_44223_5200.N1	15-AUG-2010 13:33:58	Dark	45.500	125	44lot Ori	2.7700	30000.	91	44223	No
179	GOM_NL__2PRFIN20100815_133530_000000542092_00081_44223_5201.N1	15-AUG-2010 13:35:30	Dark	53.500	7	19Bet Ori	0.10000	14000.	107	44223	No
180	GOM_NL__2PRFIN20100815_133723_000000462092_00081_44223_5202.N1	15-AUG-2010 13:37:23	Dark	46.000	101	11Alp Lep	2.5820	7000.0	92	44223	No
181	GOM_NL__2PRFIN20100815_135109_000000492092_00082_44224_5209.N1	15-AUG-2010 13:51:09	Dark	49.000	157	The1Eri	2.9060	9300.0	98	44224	No
182	GOM_NL__2PRFIN20100815_135521_000000442092_00082_44224_5210.N1	15-AUG-2010 13:55:21	Dark	44.000	9	Alp Eri	0.45300	24000.	88	44224	No
183	GOM_NL__2PRFIN20100815_140103_000000522092_00082_44224_5211.N1	15-AUG-2010 14:01:03	Straylight	52.000	84	Alp Phe	2.3970	4500.0	104	44224	No
184	GOM_NL__2PRFIN20100815_140443_000000452092_00082_44224_5212.N1	15-AUG-2010 14:04:43	Straylight	44.500	31	Alp Gru	1.7340	15200.	89	44224	No
185	GOM_NL__2PRFIN20100815_140839_000000572092_00082_44224_5213.N1	15-AUG-2010 14:08:39	Tw_i_and_stray	56.500	18	24Alp PsA	1.1660	9700.0	113	44224	No
186	GOM_NL__2PRFIN20100815_141423_000000472092_00082_44224_5214.N1	15-AUG-2010 14:14:23	Bright	46.500	142	49Del Cap	2.8500	8900.0	93	44224	No
187	GOM_NL__2PRFIN20100815_141753_000000422092_00082_44224_5215.N1	15-AUG-2010 14:17:53	Bright	41.500	154	22Bet Aqr	2.8990	5700.0	83	44224	No
188	GOM_NL__2PRFIN20100815_141958_000000492092_00082_44224_5216.N1	15-AUG-2010 14:19:58	Bright	49.000	162	34Alp Aqr	2.9440	5350.0	98	44224	No
189	GOM_NL__2PRFIN20100815_142310_000000452092_00082_44224_5217.N1	15-AUG-2010 14:23:10	Bright	44.500	61	8Eps Peg	2.1000	3900.0	89	44224	No
190	GOM_NL__2PRFIN20100815_142937_000000402092_00082_44224_5218.N1	15-AUG-2010 14:29:37	Bright	39.500	92	53Eps Cyg	2.5000	4500.0	79	44224	No
191	GOM_NL__2PRFIN20100815_143112_000000392092_00082_44224_5219.N1	15-AUG-2010 14:31:12	Bright	39.000	66	37Gam Cyg	2.2080	5900.0	78	44224	No
192	GOM_NL__2PRFIN20100815_143250_000000382092_00082_44224_5220.N1	15-AUG-2010 14:32:50	Bright	38.000	19	50Alp Cyg	1.2460	10500.	76	44224	No
193	GOM_NL__2PRFIN20100815_143812_000000382092_00082_44224_5221.N1	15-AUG-2010 14:38:12	Bright	38.000	89	5Alp Cep	2.4510	8000.0	76	44224	No
194	GOM_NL__2PRFIN20100815_145747_000000502092_00082_44224_5222.N1	15-AUG-2010 14:57:47	Bright	50.000	6	13Alp Aur	0.080000	3400.0	100	44224	No
195	GOM_NL__2PRFIN20100815_150038_000000392092_00082_44224_5223.N1	15-AUG-2010 15:00:38	Bright	38.500	107	37The Aur	2.6490	11000.	77	44224	No
196	GOM_NL__2PRFIN20100815_150343_000000502092_00082_44224_5224.N1	15-AUG-2010 15:03:43	Tw_i_and_stray	50.000	28	12Bet Tau	1.6500	15200.	100	44224	No
197	GOM_NL__2PRFIN20100815_150631_000000462092_00082_44224_5225.N1	15-AUG-2010 15:06:31	Tw_i_and_stray	46.000	44	24Gam Gem	1.9280	11000.	92	44224	No
198	GOM_NL__2PRFIN20100815_150959_000000592092_00082_44224_5226.N1	15-AUG-2010 15:09:59	Dark	59.000	14	58Alp Ori	0.87000	3000.0	118	44224	No
199	GOM_NL__2PRFIN20100815_151310_000000472092_00082_44224_5227.N1	15-AUG-2010 15:13:10	Dark	46.500	30	46Eps Ori	1.6940	30000.	93	44224	No
200	GOM_NL__2PRFIN20100815_151434_000000452092_00082_44224_5228.N1	15-AUG-2010 15:14:34	Dark	44.500	125	44lot Ori	2.7700	30000.	89	44224	No
201	GOM_NL__2PRFIN20100815_151607_000000562092_00082_44224_5229.N1	15-AUG-2010 15:16:07	Dark	56.000	7	19Bet Ori	0.10000	14000.	112	44224	No
202	GOM_NL__2PRFIN20100815_151800_000000442092_00082_44224_5230.N1	15-AUG-2010 15:18:00	Dark	44.000	101	11Alp Lep	2.5820	7000.0	88	44224	No
203	GOM_NL__2PRFIN20100815_153146_000000502092_00083_44225_5217.N1	15-AUG-2010 15:31:46	Dark	49.500	157	The1Eri	2.9060	9300.0	99	44225	No
204	GOM_NL__2PRFIN20100815_153557_000000442092_00083_44225_5218.N1	15-AUG-2010 15:35:57	Dark	43.500	9	Alp Eri	0.45300	24000.	87	44225	No
205	GOM_NL__2PRFIN20100815_154140_000000592092_00083_44225_5219.N1	15-AUG-2010 15:41:40	Straylight	59.000	84	Alp Phe	2.3970	4500.0	118	44225	No
206	GOM_NL__2PRFIN20100815_154519_000000412092_00083_44225_5220.N1	15-AUG-2010 15:45:19	Straylight	41.000	31	Alp Gru	1.7340	15200.	82	44225	No
207	GOM_NL__2PRFIN20100815_154916_000000582092_00083_44225_5221.N1	15-AUG-2010 15:49:16	Tw_i_and_stray	58.000	18	24Alp PsA	1.1660	9700.0	116	44225	No
208	GOM_NL__2PRFIN20100815_155459_000000482092_00083_44225_5222.N1	15-AUG-2010 15:54:59	Bright	47.500	142	49Del Cap	2.8500	8900.0	95	44225	No
209	GOM_NL__2PRFIN20100815_155829_000000442092_00083_44225_5223.N1	15-AUG-2010 15:58:29	Bright	44.000	154	22Bet Aqr	2.8990	5700.0	88	44225	No
210	GOM_NL__2PRFIN20100815_160033_000000492092_00083_44225_5224.N1	15-AUG-2010 16:00:33	Bright	48.500	162	34Alp Aqr	2.9440	5350.0	97	44225	No
211	GOM_NL__2PRFIN20100815_160346_000000492092_00083_44225_5225.N1	15-AUG-2010 16:03:46	Bright	49.000	61	8Eps Peg	2.1000	3900.0	98	44225	No
212	GOM_NL__2PRFIN20100815_161013_000000372092_00083_44225_5226.N1	15-AUG-2010 16:10:13	Bright	36.500	92	53Eps Cyg	2.5000	4500.0	73	44225	No
213	GOM_NL__2PRFIN20100815_161147_000000372092_00083_44225_5227.N1	15-AUG-2010 16:11:47	Bright	36.500	66	37Gam Cyg	2.2080	5900.0	73	44225	No
214	GOM_NL__2PRFIN20100815_161325_000000412092_00083_44225_5228.N1	15-AUG-2010 16:13:25	Bright	40.500	19	50Alp Cyg	1.2460	10500.	81	44225	No
215	GOM_NL__2PRFIN20100815_161847_000000392092_00083_44225_5229.N1	15-AUG-2010 16:18:47	Bright	38.500	89	5Alp Cep	2.4510	8000.0	77	44225	No
216	GOM_NL__2PRFIN20100815_163823_000000622092_00083_44225_5230.N1	15-AUG-2010 16:38:23	Bright	62.000	6	13Alp Aur	0.080000	3400.0	124	44225	No
217	GOM_NL__2PRFIN20100815_164115_000000402092_00083_44225_5231.N1	15-AUG-2010 16:41:15	Bright	39.500	107	37The Aur	2.6490	11000.	79	44225	No
218	GOM_NL__2PRFIN20100815_164420_000000492092_00083_44225_5232.N1	15-AUG-2010 16:44:20	Tw_i_and_stray	48.500	28	12Bet Tau	1.6500	15200.	97	44225	No
219	GOM_NL__2PRFIN20100815_164707_000000432092_00083_44225_5233.N1	15-AUG-2010 16:47:07	Tw_i_and_stray	42.500	44	24Gam Gem	1.9280	11000.	85	44225	No

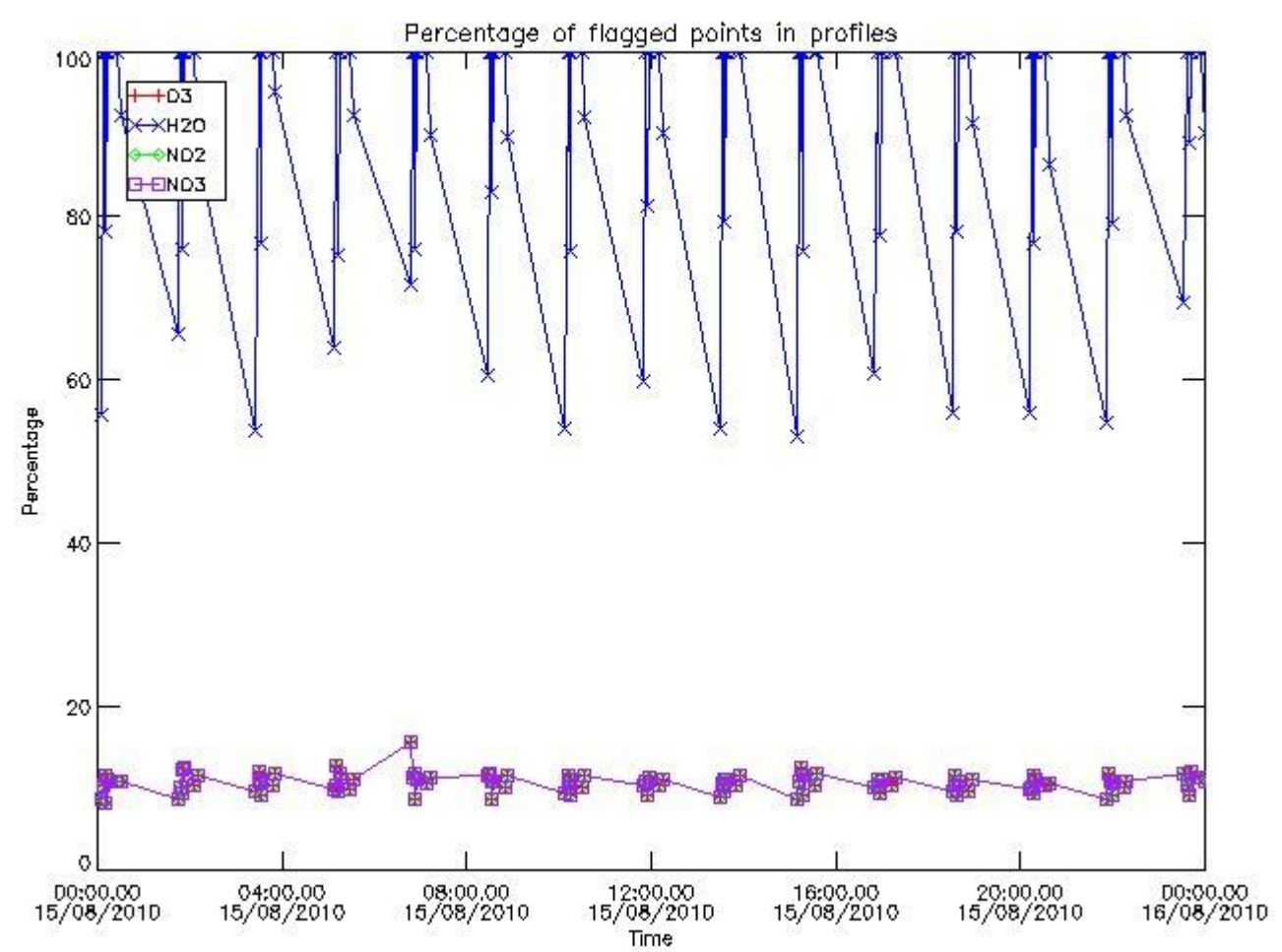
220	GOM_NL__2PRFIN20100815_165036_000000502092_00083_44225_5234.N1	15-AUG-2010 16:50:36	Dark	50.000	14	58Alp Ori	0.87000	3000.0	100	44225	No
221	GOM_NL__2PRFIN20100815_165346_000000492092_00083_44225_5235.N1	15-AUG-2010 16:53:46	Dark	49.000	30	46Eps Ori	1.6940	30000.	98	44225	No
222	GOM_NL__2PRFIN20100815_165511_000000462092_00083_44225_5236.N1	15-AUG-2010 16:55:11	Dark	45.500	125	44Iot Ori	2.7700	30000.	91	44225	No
223	GOM_NL__2PRFIN20100815_165643_000000542092_00083_44225_5237.N1	15-AUG-2010 16:56:43	Dark	54.000	7	19Bet Ori	0.10000	14000.	108	44225	No
224	GOM_NL__2PRFIN20100815_165837_000000462092_00083_44225_5238.N1	15-AUG-2010 16:58:37	Dark	46.000	101	11Alp Lep	2.5820	7000.0	92	44225	No
225	GOM_NL__2PRFIN20100815_171223_000000502092_00084_44226_5226.N1	15-AUG-2010 17:12:23	Dark	49.500	157	The1Eri	2.9060	9300.0	99	44226	No
226	GOM_NL__2PRFIN20100815_171634_000000452092_00084_44226_5227.N1	15-AUG-2010 17:16:34	Dark	45.000	9	Alp Eri	0.45300	24000.	90	44226	No
227	GOM_NL__2PRFIN20100815_172217_000000532092_00084_44226_5228.N1	15-AUG-2010 17:22:17	Straylight	52.500	84	Alp Phe	2.3970	4500.0	105	44226	No
228	GOM_NL__2PRFIN20100815_172556_000000492092_00084_44226_5229.N1	15-AUG-2010 17:25:56	Straylight	49.000	31	Alp Gru	1.7340	15200.	98	44226	No
229	GOM_NL__2PRFIN20100815_172952_000000572092_00084_44226_5230.N1	15-AUG-2010 17:29:52	Twi_and_stray	56.500	18	24Alp PsA	1.1660	9700.0	113	44226	No
230	GOM_NL__2PRFIN20100815_173535_000000462092_00084_44226_5231.N1	15-AUG-2010 17:35:35	Bright	46.000	142	49Del Cap	2.8500	8900.0	92	44226	No
231	GOM_NL__2PRFIN20100815_173905_000000432092_00084_44226_5232.N1	15-AUG-2010 17:39:05	Bright	43.000	154	22Bet Aqr	2.8990	5700.0	86	44226	No
232	GOM_NL__2PRFIN20100815_174109_000000512092_00084_44226_5233.N1	15-AUG-2010 17:41:09	Bright	50.500	162	34Alp Aqr	2.9440	5350.0	101	44226	No
233	GOM_NL__2PRFIN20100815_174421_000000462092_00084_44226_5234.N1	15-AUG-2010 17:44:21	Bright	45.500	61	8Eps Peg	2.1000	3900.0	91	44226	No
234	GOM_NL__2PRFIN20100815_175049_000000422092_00084_44226_5235.N1	15-AUG-2010 17:50:49	Bright	41.500	92	53Eps Cyg	2.5000	4500.0	83	44226	No
235	GOM_NL__2PRFIN20100815_175223_000000392092_00084_44226_5236.N1	15-AUG-2010 17:52:23	Bright	39.000	66	37Gam Cyg	2.2080	5900.0	78	44226	No
236	GOM_NL__2PRFIN20100815_175401_000000372092_00084_44226_5237.N1	15-AUG-2010 17:54:01	Bright	37.000	19	50Alp Cyg	1.2460	10500.	74	44226	No
237	GOM_NL__2PRFIN20100815_175923_000000392092_00084_44226_5238.N1	15-AUG-2010 17:59:23	Bright	38.500	89	5Alp Cep	2.4510	8000.0	77	44226	No
238	GOM_NL__2PRFIN20100815_181859_000000472092_00084_44226_5239.N1	15-AUG-2010 18:18:59	Bright	46.500	6	13Alp Aur	0.080000	3400.0	93	44226	No
239	GOM_NL__2PRFIN20100815_182151_000000412092_00084_44226_5240.N1	15-AUG-2010 18:21:51	Bright	40.500	107	37The Aur	2.6490	11000.	81	44226	No
240	GOM_NL__2PRFIN20100815_182456_000000522092_00084_44226_5241.N1	15-AUG-2010 18:24:56	Twi_and_stray	51.500	28	12Bet Tau	1.6500	15200.	103	44226	No
241	GOM_NL__2PRFIN20100815_182743_000000442092_00084_44226_5242.N1	15-AUG-2010 18:27:43	Twi_and_stray	44.000	44	24Gam Gem	1.9280	11000.	88	44226	No
242	GOM_NL__2PRFIN20100815_183113_000000532092_00084_44226_5243.N1	15-AUG-2010 18:31:13	Dark	52.500	14	58Alp Ori	0.87000	3000.0	105	44226	No
243	GOM_NL__2PRFIN20100815_183422_000000492092_00084_44226_5244.N1	15-AUG-2010 18:34:22	Dark	49.000	30	46Eps Ori	1.6940	30000.	98	44226	No
244	GOM_NL__2PRFIN20100815_183547_000000442092_00084_44226_5245.N1	15-AUG-2010 18:35:47	Dark	44.000	125	44Iot Ori	2.7700	30000.	88	44226	No
245	GOM_NL__2PRFIN20100815_183720_000000552092_00084_44226_5246.N1	15-AUG-2010 18:37:20	Dark	55.000	7	19Bet Ori	0.10000	14000.	110	44226	No
246	GOM_NL__2PRFIN20100815_183913_000000472092_00084_44226_5247.N1	15-AUG-2010 18:39:13	Dark	46.500	101	11Alp Lep	2.5820	7000.0	93	44226	No
247	GOM_NL__2PRFIN20100815_185300_000000532092_00085_44227_5247.N1	15-AUG-2010 18:53:00	Dark	53.000	157	The1Eri	2.9060	9300.0	106	44227	No
248	GOM_NL__2PRFIN20100815_185711_000000462092_00085_44227_5248.N1	15-AUG-2010 18:57:11	Dark	46.000	9	Alp Eri	0.45300	24000.	92	44227	No
249	GOM_NL__2PRFIN20100815_190254_000000622092_00085_44227_5249.N1	15-AUG-2010 19:02:54	Straylight	61.500	84	Alp Phe	2.3970	4500.0	123	44227	No
250	GOM_NL__2PRFIN20100815_190632_000000482092_00085_44227_5250.N1	15-AUG-2010 19:06:32	Straylight	47.500	31	Alp Gru	1.7340	15200.	95	44227	No
251	GOM_NL__2PRFIN20100815_191029_000000562092_00085_44227_5251.N1	15-AUG-2010 19:10:29	Twi_and_stray	55.500	18	24Alp PsA	1.1660	9700.0	111	44227	No
252	GOM_NL__2PRFIN20100815_191611_000000452092_00085_44227_5252.N1	15-AUG-2010 19:16:11	Bright	45.000	142	49Del Cap	2.8500	8900.0	90	44227	No
253	GOM_NL__2PRFIN20100815_191940_000000432092_00085_44227_5253.N1	15-AUG-2010 19:19:40	Bright	43.000	154	22Bet Aqr	2.8990	5700.0	86	44227	No
254	GOM_NL__2PRFIN20100815_192145_000000492092_00085_44227_5254.N1	15-AUG-2010 19:21:45	Bright	49.000	162	34Alp Aqr	2.9440	5350.0	98	44227	No
255	GOM_NL__2PRFIN20100815_192457_000000442092_00085_44227_5255.N1	15-AUG-2010 19:24:57	Bright	44.000	61	8Eps Peg	2.1000	3900.0	88	44227	No
256	GOM_NL__2PRFIN20100815_193124_000000392092_00085_44227_5256.N1	15-AUG-2010 19:31:24	Bright	39.000	92	53Eps Cyg	2.5000	4500.0	78	44227	No
257	GOM_NL__2PRFIN20100815_193259_000000362092_00085_44227_5257.N1	15-AUG-2010 19:32:59	Bright	36.000	66	37Gam Cyg	2.2080	5900.0	72	44227	No
258	GOM_NL__2PRFIN20100815_193437_000000402092_00085_44227_5258.N1	15-AUG-2010 19:34:37	Bright	39.500	19	50Alp Cyg	1.2460	10500.	79	44227	No
259	GOM_NL__2PRFIN20100815_193958_000000392092_00085_44227_5259.N1	15-AUG-2010 19:39:58	Bright	39.000	89	5Alp Cep	2.4510	8000.0	78	44227	No
260	GOM_NL__2PRFIN20100815_195934_000000522092_00085_44227_5260.N1	15-AUG-2010 19:59:34	Bright	51.500	6	13Alp Aur	0.080000	3400.0	103	44227	No
261	GOM_NL__2PRFIN20100815_200227_000000372092_00085_44227_5261.N1	15-AUG-2010 20:02:27	Bright	37.000	107	37The Aur	2.6490	11000.	74	44227	No
262	GOM_NL__2PRFIN20100815_200532_000000532092_00085_44227_5262.N1	15-AUG-2010 20:05:32	Twi_and_stray	52.500	28	12Bet Tau	1.6500	15200.	105	44227	No
263	GOM_NL__2PRFIN20100815_200820_000000422092_00085_44227_5263.N1	15-AUG-2010 20:08:20	Twi_and_stray	42.000	44	24Gam Gem	1.9280	11000.	84	44227	No
264	GOM_NL__2PRFIN20100815_201149_000000522092_00085_44227_5264.N1	15-AUG-2010 20:11:49	Dark	51.500	14	58Alp Ori	0.87000	3000.0	103	44227	No
265	GOM_NL__2PRFIN20100815_201459_000000502092_00085_44227_5265.N1	15-AUG-2010 20:14:59	Dark	50.000	30	46Eps Ori	1.6940	30000.	100	44227	No
266	GOM_NL__2PRFIN20100815_201624_000000452092_00085_44227_5266.N1	15-AUG-2010 20:16:24	Dark	44.500	125	44Iot Ori	2.7700	30000.	89	44227	No
267	GOM_NL__2PRFIN20100815_201757_000000542092_00085_44227_5267.N1	15-AUG-2010 20:17:57	Dark	54.000	7	19Bet Ori	0.10000	14000.	108	44227	No
268	GOM_NL__2PRFIN20100815_201950_000000462092_00085_44227_5268.N1	15-AUG-2010 20:19:50	Dark	45.500	101	11Alp Lep	2.5820	7000.0	91	44227	No
269	GOM_NL__2PRFIN20100815_203337_000000502092_00086_44228_5261.N1	15-AUG-2010 20:33:37	Dark	49.500	157	The1Eri	2.9060	9300.0	99	44228	No
270	GOM_NL__2PRFIN20100815_203747_000000482092_00086_44228_5262.N1	15-AUG-2010 20:37:47	Dark	48.000	9	Alp Eri	0.45300	24000.	96	44228	No
271	GOM_NL__2PRFIN20100815_204330_000000622092_00086_44228_5263.N1	15-AUG-2010 20:43:30	Straylight	61.500	84	Alp Phe	2.3970	4500.0	123	44228	No
272	GOM_NL__2PRFIN20100815_204708_000000452092_00086_44228_5264.N1	15-AUG-2010 20:47:08	Straylight	44.500	31	Alp Gru	1.7340	15200.	89	44228	No
273	GOM_NL__2PRFIN20100815_205105_000000542092_00086_44228_5265.N1	15-AUG-2010 20:51:05	Twi_and_stray	53.500	18	24Alp PsA	1.1660	9700.0	107	44228	No
274	GOM_NL__2PRFIN20100815_205647_000000442092_00086_44228_5266.N1	15-AUG-2010 20:56:47	Bright	44.000	142	49Del Cap	2.8500	8900.0	88	44228	No
275	GOM_NL__2PRFIN20100815_210016_000000422092_00086_44228_5267.N1	15-AUG-2010 21:00:16	Bright	42.000	154	22Bet Aqr	2.8990	5700.0	84	44228	No
276	GOM_NL__2PRFIN20100815_210221_000000492092_00086_44228_5268.N1	15-AUG-2010 21:02:21	Bright	49.000	162	34Alp Aqr	2.9440	5350.0	98	44228	No
277	GOM_NL__2PRFIN20100815_210532_000000492092_00086_44228_5269.N1	15-AUG-2010 21:05:32	Bright	48.500	61	8Eps Peg	2.1000	3900.0	97	44228	No
278	GOM_NL__2PRFIN20100815_211200_000000372092_00086_44228_5270.N1	15-AUG-2010 21:12:00	Bright	36.500	92	53Eps Cyg	2.5000	4500.0	73	44228	No

279	GOM_NL__2PRFIN20100815_211335_000000352092_00086_44228_5271.N1	15-AUG-2010 21:13:35	Bright	35.000	66	37Gam Cyg	2.2080	5900.0	70	44228	No
280	GOM_NL__2PRFIN20100815_211513_000000372092_00086_44228_5272.N1	15-AUG-2010 21:15:13	Bright	37.000	19	50Alp Cyg	1.2460	10500.	74	44228	No
281	GOM_NL__2PRFIN20100815_212034_000000382092_00086_44228_5273.N1	15-AUG-2010 21:20:34	Bright	37.500	89	5Alp Cep	2.4510	8000.0	75	44228	No
282	GOM_NL__2PRFIN20100815_214010_000000592092_00086_44228_5274.N1	15-AUG-2010 21:40:10	Bright	59.000	6	13Alp Aur	0.080000	3400.0	118	44228	No
283	GOM_NL__2PRFIN20100815_214303_000000402092_00086_44228_5275.N1	15-AUG-2010 21:43:03	Bright	39.500	107	37The Aur	2.6490	11000.	79	44228	No
284	GOM_NL__2PRFIN20100815_214608_000000522092_00086_44228_5276.N1	15-AUG-2010 21:46:08	Twilight	52.000	28	12Bet Tau	1.6500	15200.	104	44228	No
285	GOM_NL__2PRFIN20100815_214856_000000432092_00086_44228_5277.N1	15-AUG-2010 21:48:56	Twilight	42.500	44	24Gam Gem	1.9280	11000.	85	44228	No
286	GOM_NL__2PRFIN20100815_215225_000000592092_00086_44228_5278.N1	15-AUG-2010 21:52:25	Dark	59.000	14	58Alp Ori	0.87000	3000.0	118	44228	No
287	GOM_NL__2PRFIN20100815_215535_000000482092_00086_44228_5279.N1	15-AUG-2010 21:55:35	Dark	47.500	30	46Eps Ori	1.6940	30000.	95	44228	No
288	GOM_NL__2PRFIN20100815_215700_000000472092_00086_44228_5280.N1	15-AUG-2010 21:57:00	Dark	47.000	125	44lot Ori	2.7700	30000.	94	44228	No
289	GOM_NL__2PRFIN20100815_215833_000000552092_00086_44228_5281.N1	15-AUG-2010 21:58:33	Dark	55.000	7	19Bet Ori	0.10000	14000.	110	44228	No
290	GOM_NL__2PRFIN20100815_220026_000000472092_00086_44228_5282.N1	15-AUG-2010 22:00:26	Dark	46.500	101	11Alp Lep	2.5820	7000.0	93	44228	No
291	GOM_NL__2PRFIN20100815_221414_000000512092_00087_44229_5272.N1	15-AUG-2010 22:14:14	Dark	50.500	157	The1Eri	2.9060	9300.0	101	44229	No
292	GOM_NL__2PRFIN20100815_221824_000000472092_00087_44229_5273.N1	15-AUG-2010 22:18:24	Dark	46.500	9	Alp Eri	0.45300	24000.	93	44229	No
293	GOM_NL__2PRFIN20100815_222407_000000522092_00087_44229_5274.N1	15-AUG-2010 22:24:07	Straylight	51.500	84	Alp Phe	2.3970	4500.0	103	44229	No
294	GOM_NL__2PRFIN20100815_222745_000000422092_00087_44229_5275.N1	15-AUG-2010 22:27:45	Straylight	41.500	31	Alp Gru	1.7340	15200.	83	44229	No
295	GOM_NL__2PRFIN20100815_223141_000000552092_00087_44229_5276.N1	15-AUG-2010 22:31:41	Twilight	55.000	18	24Alp PsA	1.1660	9700.0	110	44229	No
296	GOM_NL__2PRFIN20100815_223723_000000452092_00087_44229_5277.N1	15-AUG-2010 22:37:23	Bright	44.500	142	49Del Cap	2.8500	8900.0	89	44229	No
297	GOM_NL__2PRFIN20100815_224052_000000432092_00087_44229_5278.N1	15-AUG-2010 22:40:52	Bright	42.500	154	22Bet Aqr	2.8990	5700.0	85	44229	No
298	GOM_NL__2PRFIN20100815_224256_000000502092_00087_44229_5279.N1	15-AUG-2010 22:42:56	Bright	50.000	162	34Alp Aqr	2.9440	5350.0	100	44229	No
299	GOM_NL__2PRFIN20100815_224608_000000452092_00087_44229_5280.N1	15-AUG-2010 22:46:08	Bright	45.000	61	8Eps Peg	2.1000	3900.0	90	44229	No
300	GOM_NL__2PRFIN20100815_225236_000000412092_00087_44229_5281.N1	15-AUG-2010 22:52:36	Bright	40.500	92	53Eps Cyg	2.5000	4500.0	81	44229	No
301	GOM_NL__2PRFIN20100815_225411_000000392092_00087_44229_5282.N1	15-AUG-2010 22:54:11	Bright	39.000	66	37Gam Cyg	2.2080	5900.0	78	44229	No
302	GOM_NL__2PRFIN20100815_225548_000000392092_00087_44229_5283.N1	15-AUG-2010 22:55:48	Bright	39.000	19	50Alp Cyg	1.2460	10500.	78	44229	No
303	GOM_NL__2PRFIN20100815_230110_000000402092_00087_44229_5284.N1	15-AUG-2010 23:01:10	Bright	39.500	89	5Alp Cep	2.4510	8000.0	79	44229	No
304	GOM_NL__2PRFIN20100815_232046_000000622092_00087_44229_5285.N1	15-AUG-2010 23:20:46	Bright	62.000	6	13Alp Aur	0.080000	3400.0	124	44229	No
305	GOM_NL__2PRFIN20100815_232339_000000402092_00087_44229_5286.N1	15-AUG-2010 23:23:39	Bright	40.000	107	37The Aur	2.6490	11000.	80	44229	No
306	GOM_NL__2PRFIN20100815_232644_000000512092_00087_44229_5287.N1	15-AUG-2010 23:26:44	Twilight	50.500	28	12Bet Tau	1.6500	15200.	101	44229	No
307	GOM_NL__2PRFIN20100815_232932_000000462092_00087_44229_5288.N1	15-AUG-2010 23:29:32	Twilight	45.500	44	24Gam Gem	1.9280	11000.	91	44229	No
308	GOM_NL__2PRFIN20100815_233302_000000432092_00087_44229_5289.N1	15-AUG-2010 23:33:02	Dark	43.000	14	58Alp Ori	0.87000	3000.0	86	44229	No
309	GOM_NL__2PRFIN20100815_233612_000000502092_00087_44229_5290.N1	15-AUG-2010 23:36:12	Dark	49.500	30	46Eps Ori	1.6940	30000.	99	44229	No
310	GOM_NL__2PRFIN20100815_233737_000000462092_00087_44229_5291.N1	15-AUG-2010 23:37:37	Dark	45.500	125	44lot Ori	2.7700	30000.	91	44229	No
311	GOM_NL__2PRFIN20100815_233910_000000552092_00087_44229_5292.N1	15-AUG-2010 23:39:10	Dark	55.000	7	19Bet Ori	0.10000	14000.	110	44229	No
312	GOM_NL__2PRFIN20100815_234103_000000432092_00087_44229_5293.N1	15-AUG-2010 23:41:03	Dark	42.500	101	11Alp Lep	2.5820	7000.0	85	44229	No
313	GOM_NL__2PRFIN20100815_235451_000000502092_00088_44230_5285.N1	15-AUG-2010 23:54:51	Dark	49.500	157	The1Eri	2.9060	9300.0	99	44230	No
314	GOM_NL__2PRFIN20100815_235900_000000472092_00088_44230_5286.N1	15-AUG-2010 23:59:00	Dark	46.500	9	Alp Eri	0.45300	24000.	93	44230	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.

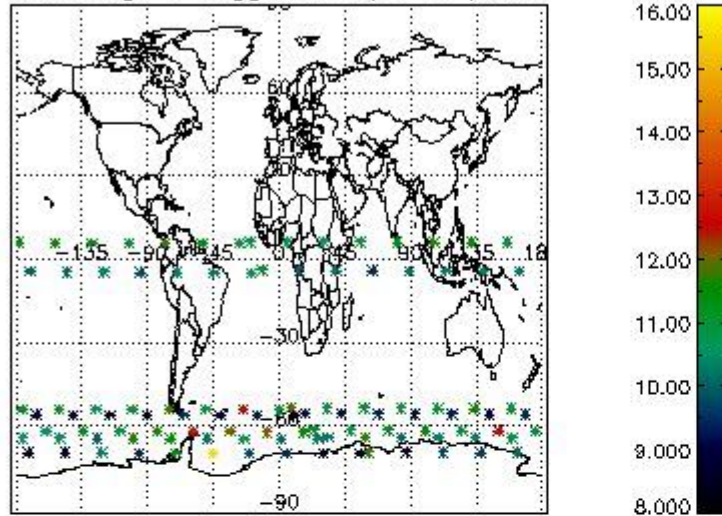
#### 3.1 Plot quality information per product (time dependant)



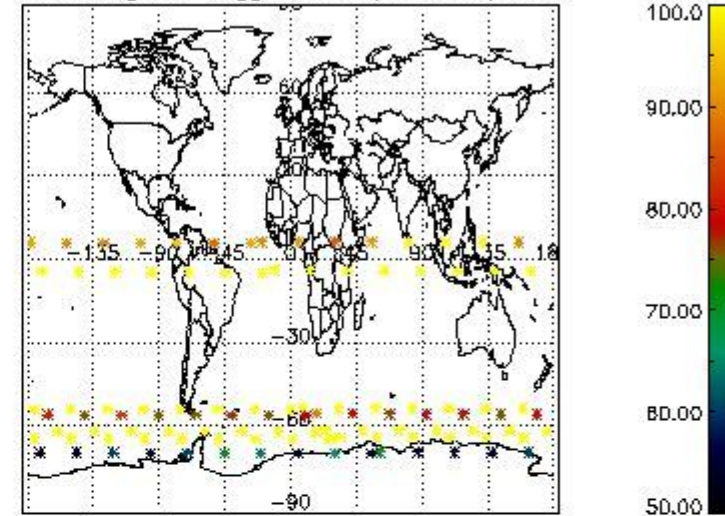
3.2 Plot quality information per product (world map)



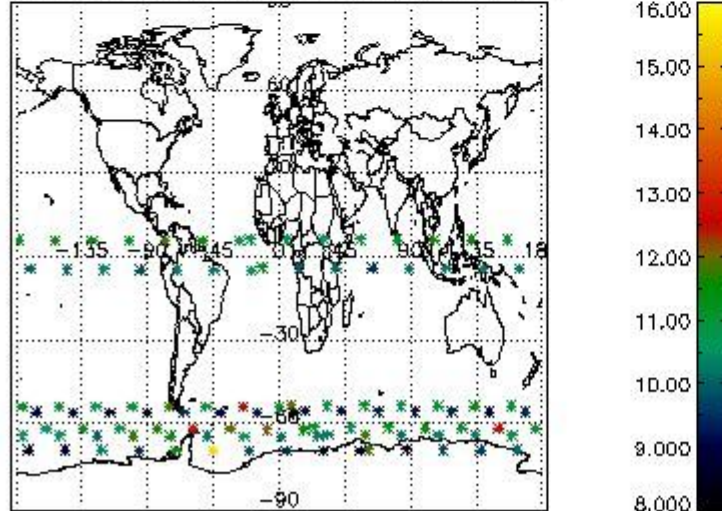
Percentage of flagged data per O3 profile



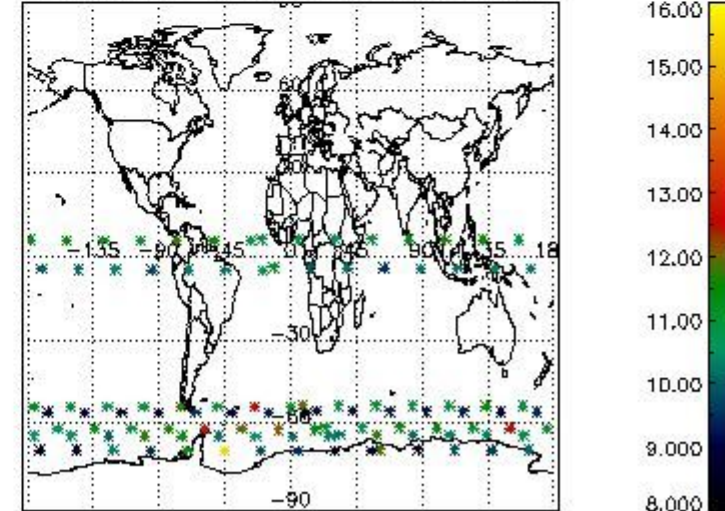
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

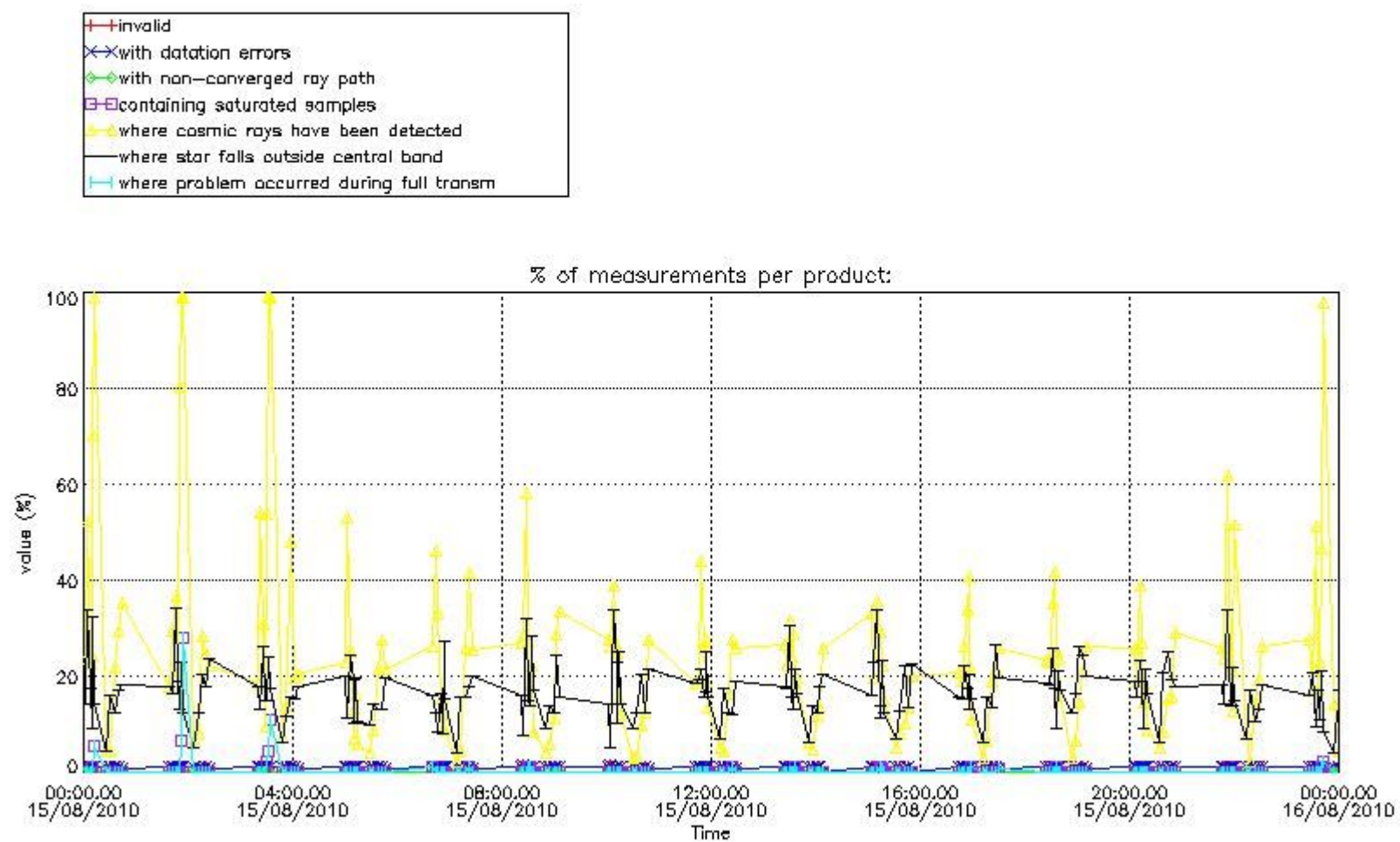


#### 4. Level 1 quality information per product

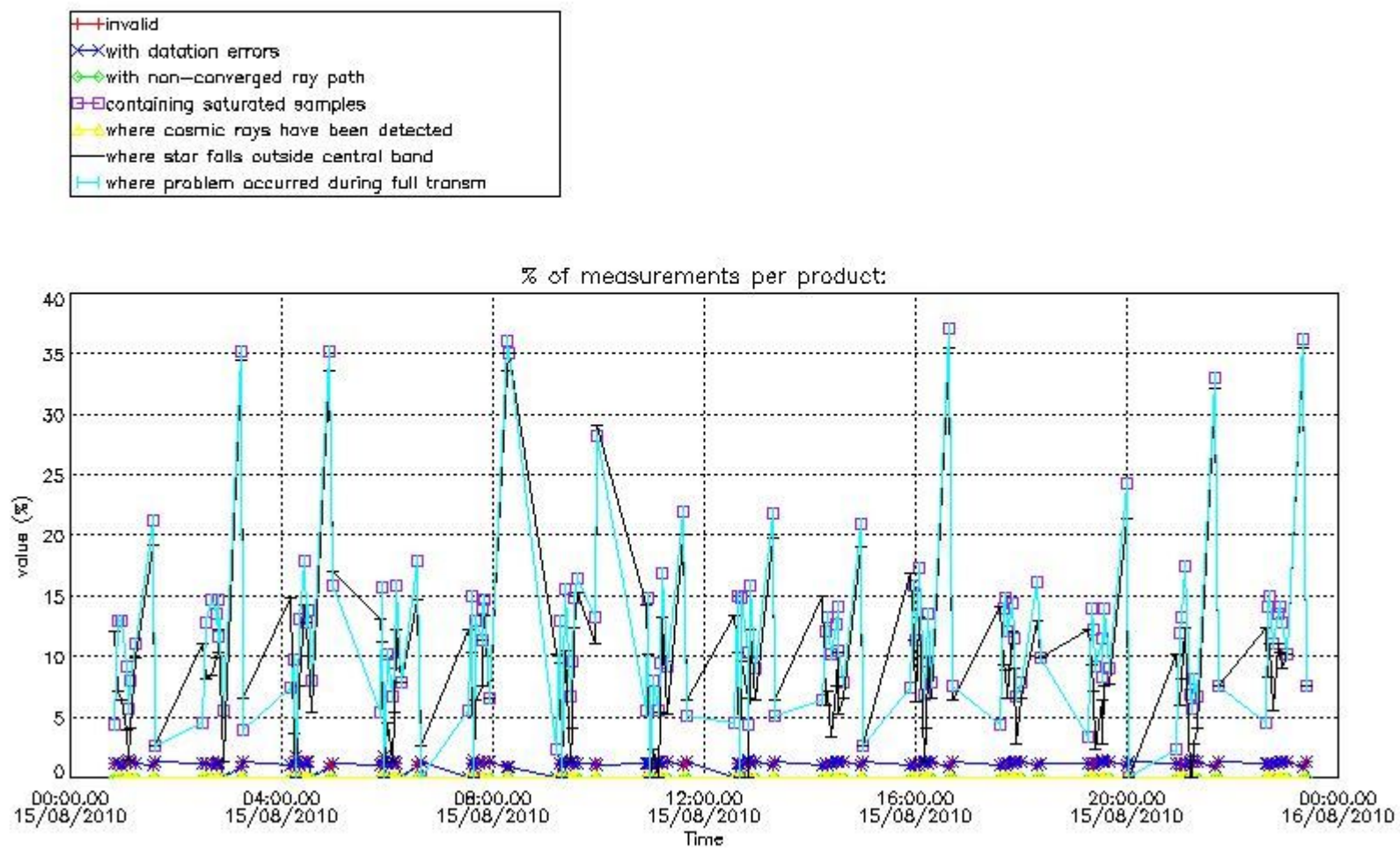
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

##### 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

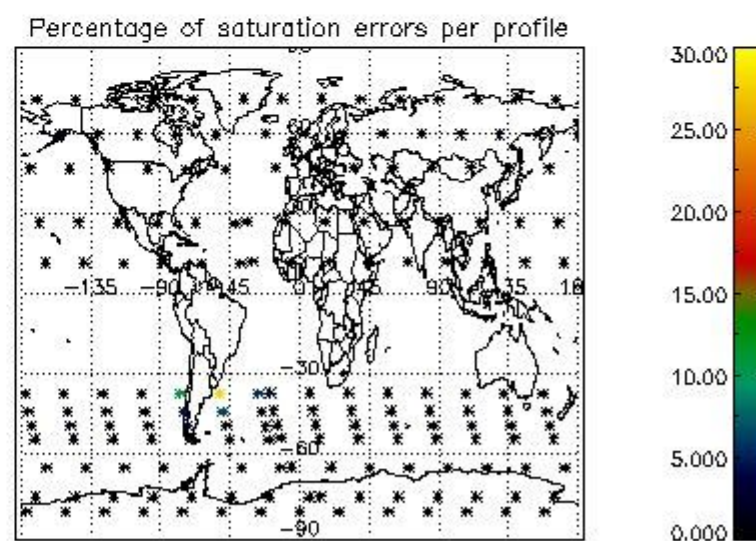
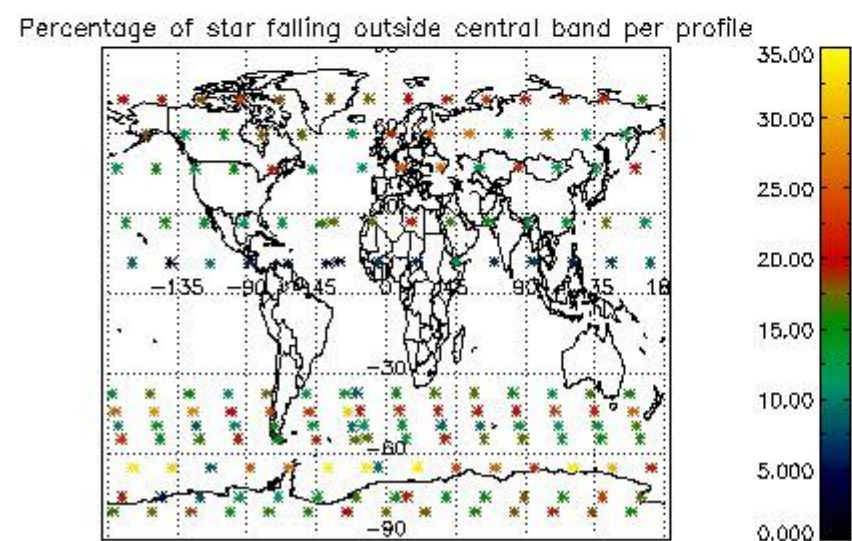
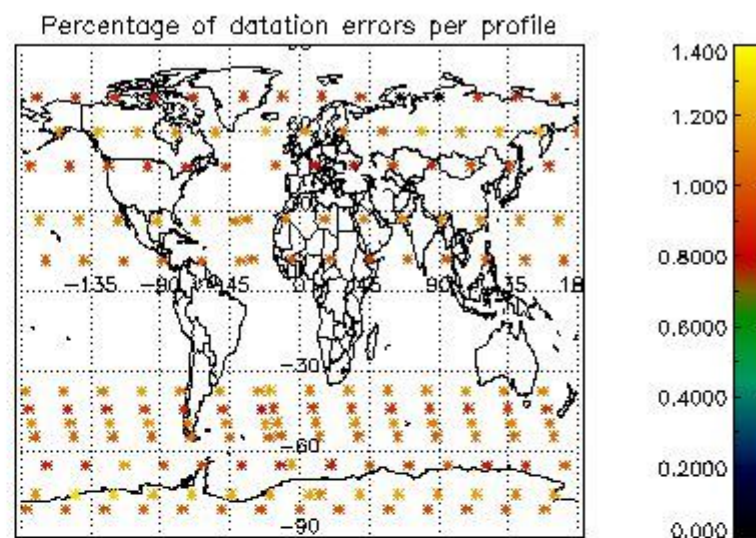
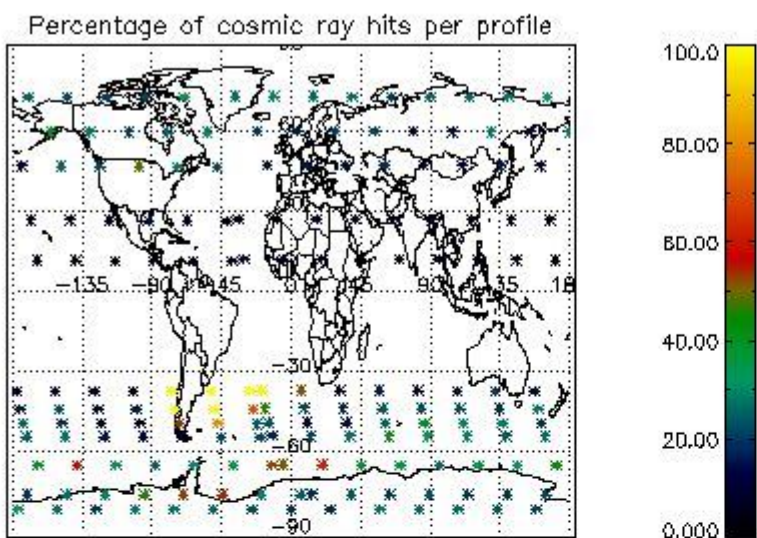


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes

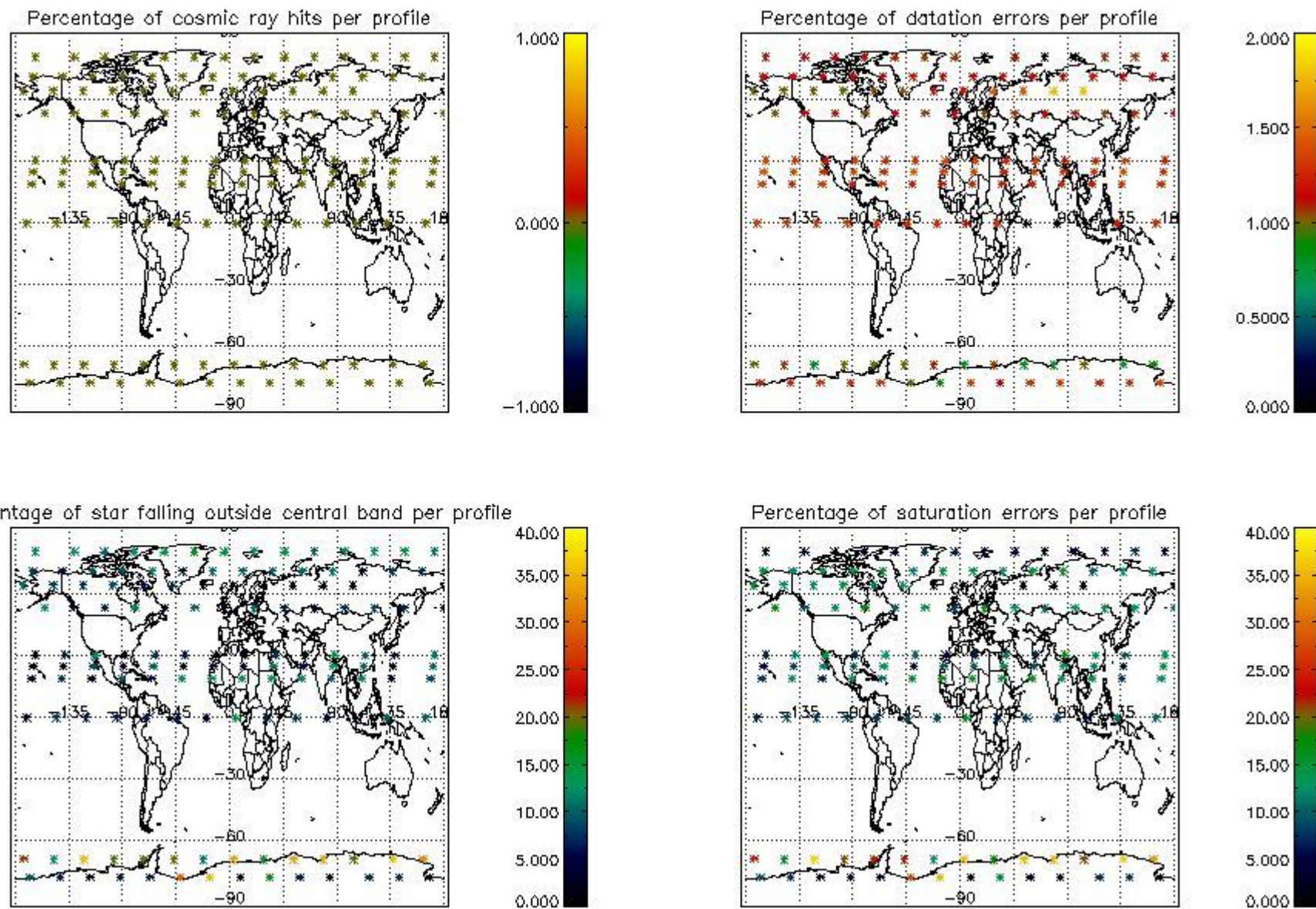


*4.2 Plot quality information per product coming from level 1b processing (world map)*

*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

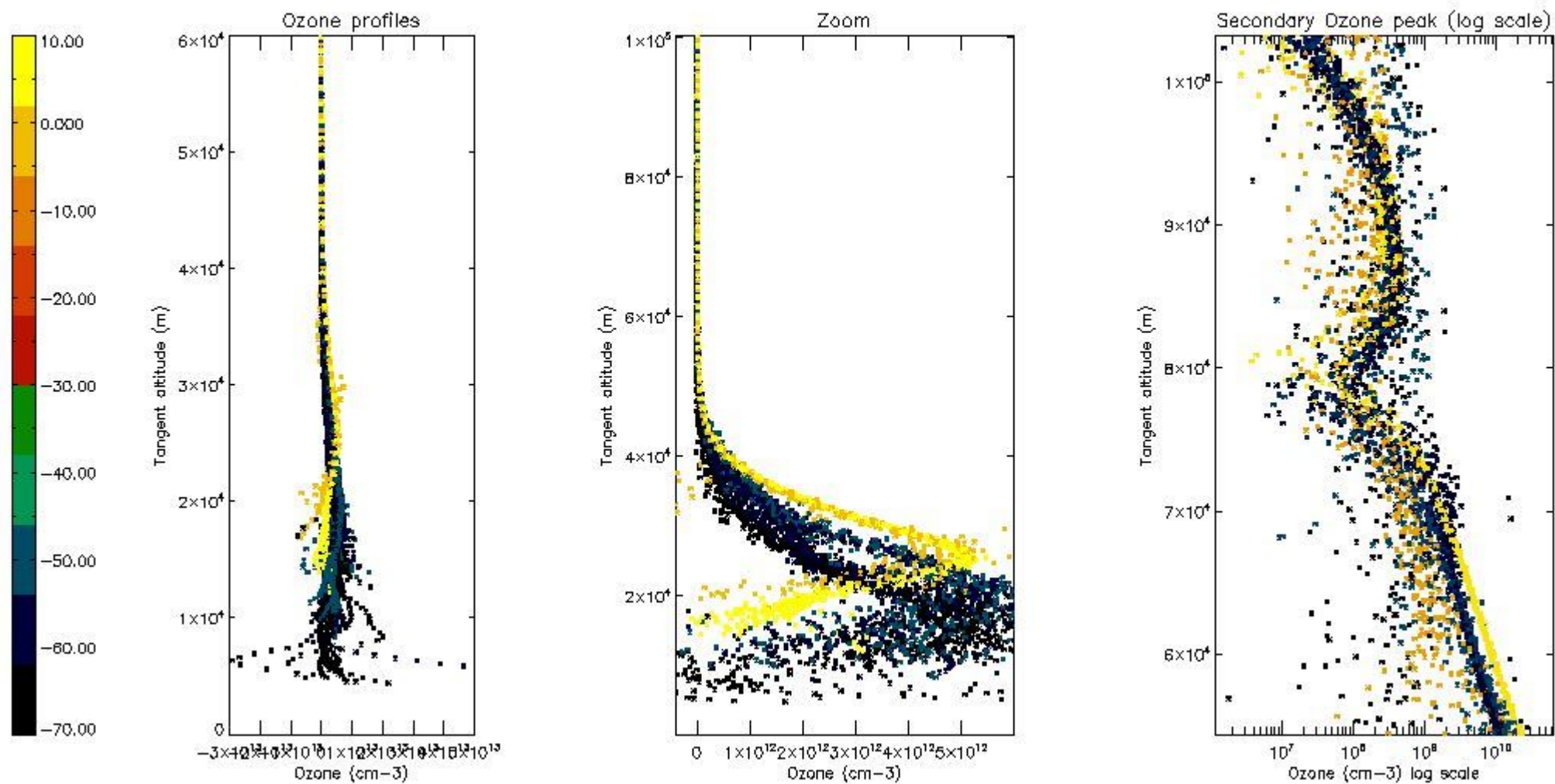
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	36
STD < 20	20

STD < 10	16
STD < 5	11

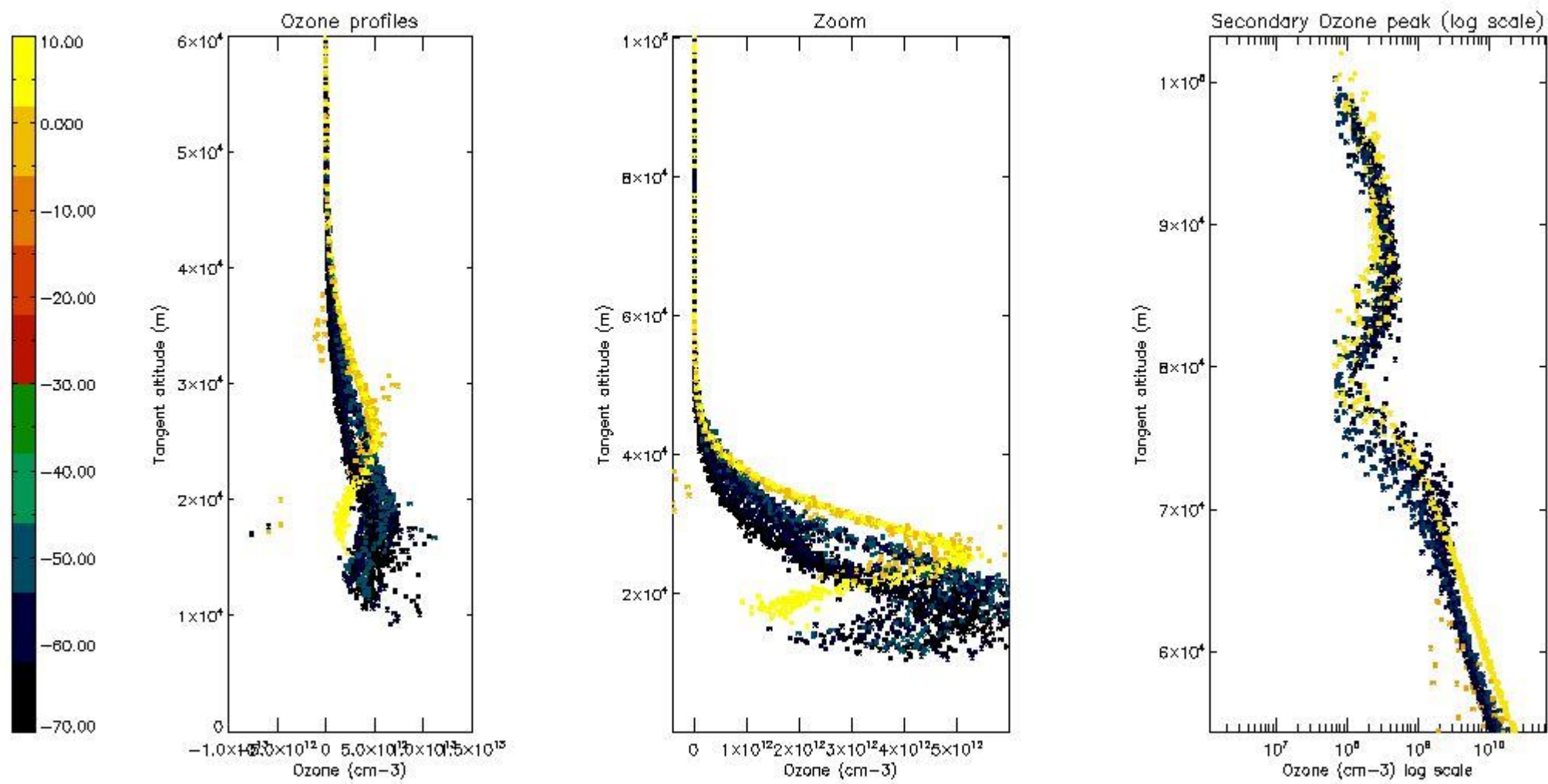
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



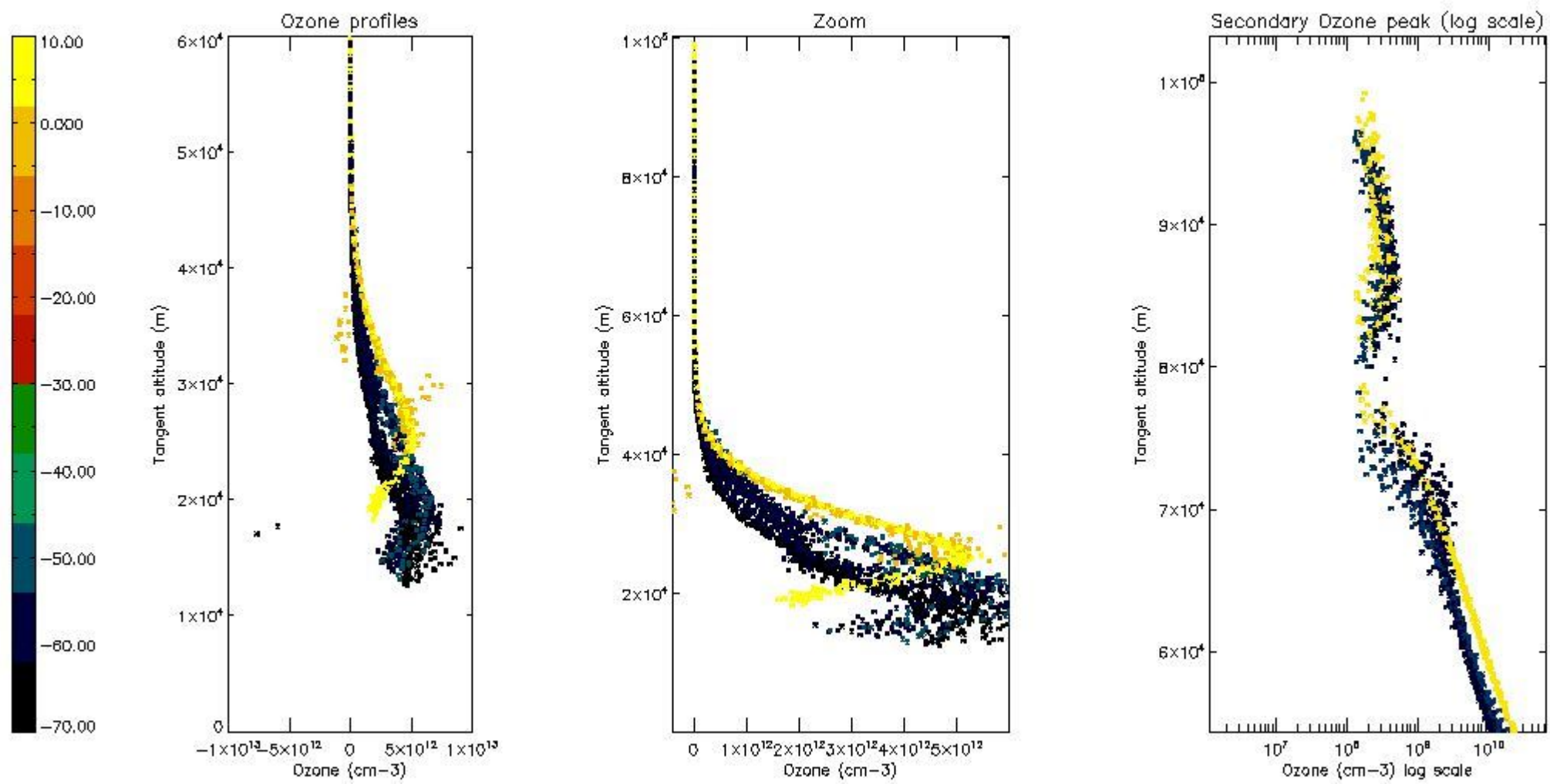
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



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

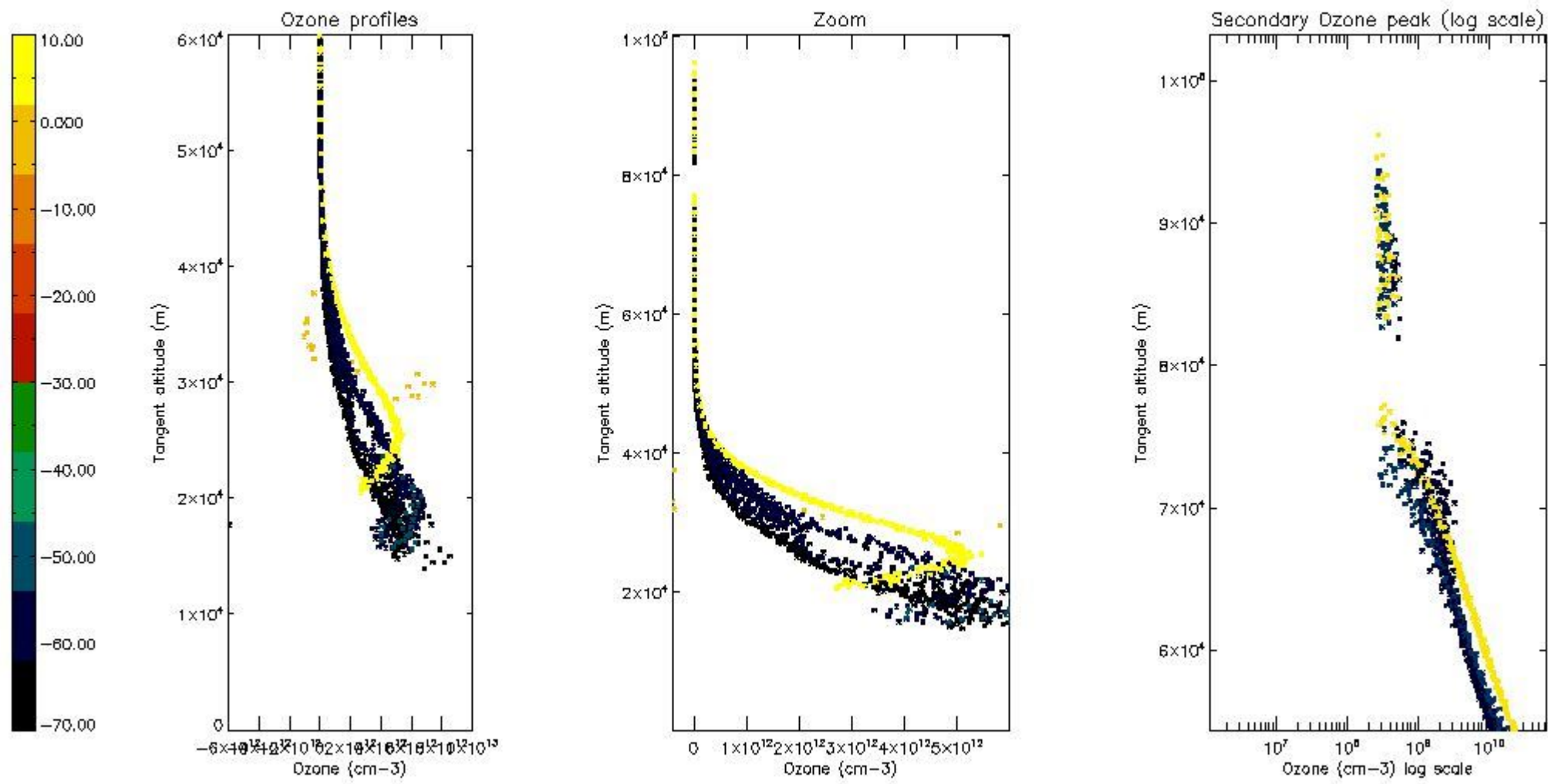
The colorbar represents the latitude.



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

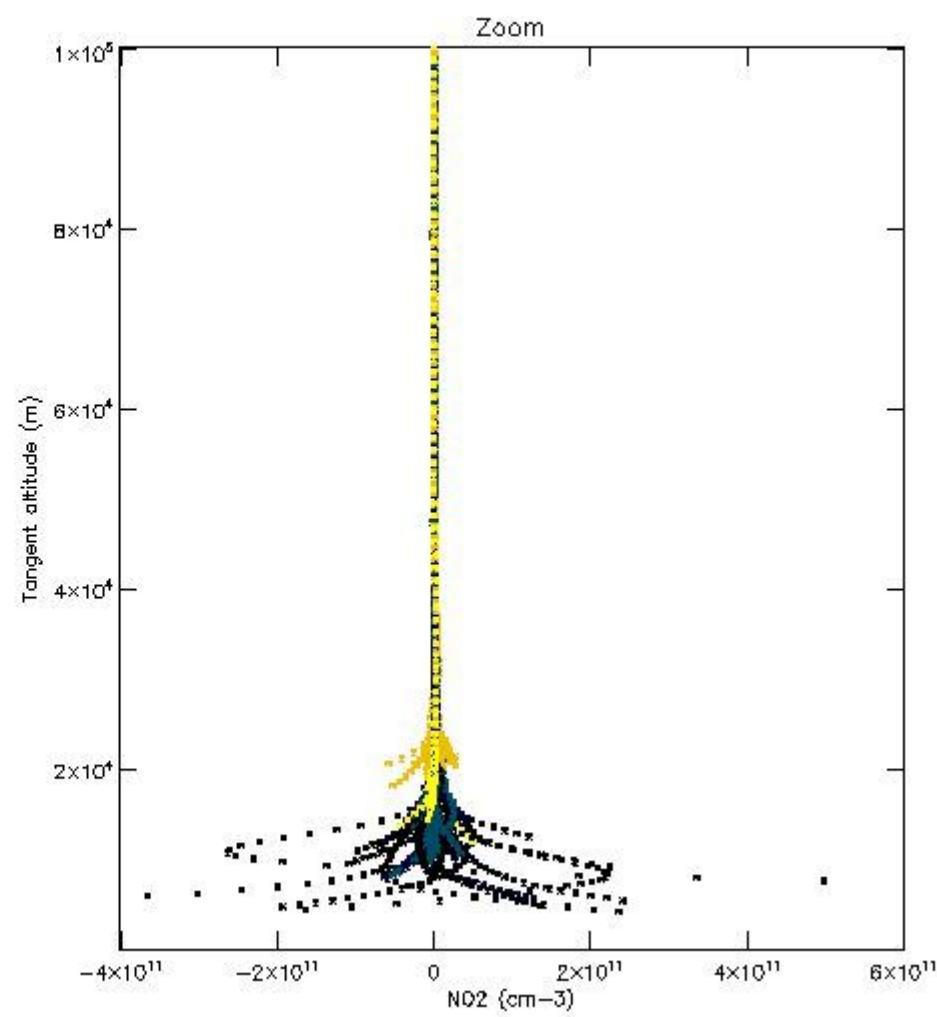
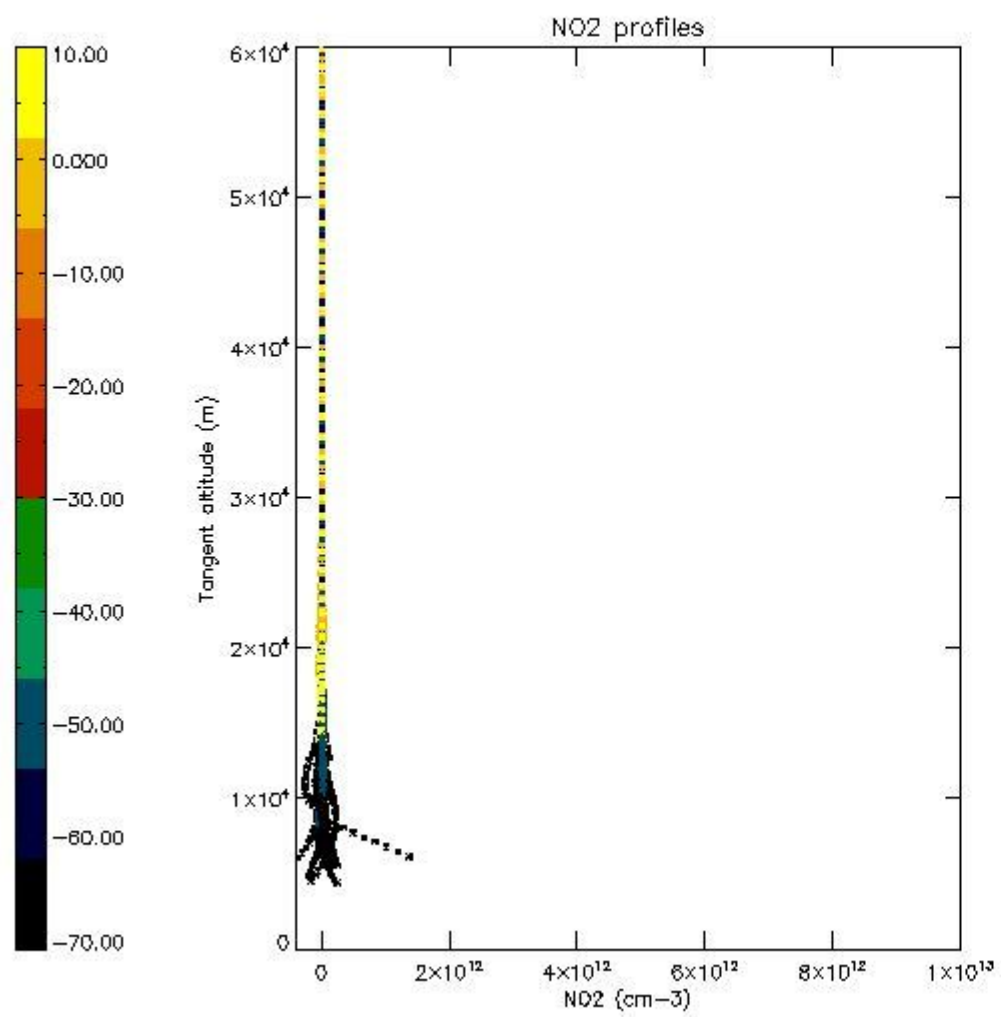
The colorbar represents the latitude.





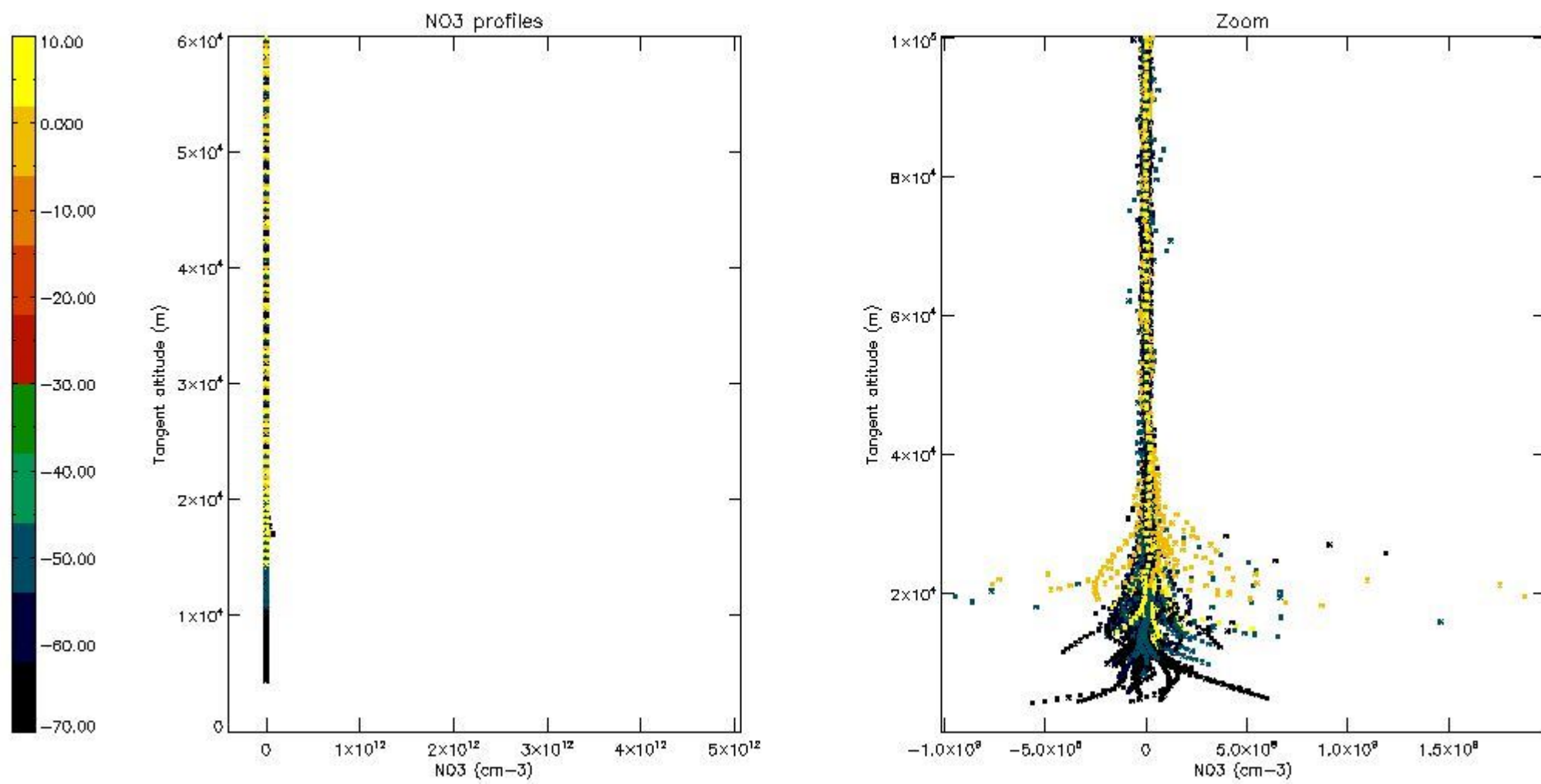
*5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)*

The colorbar represents the latitude.



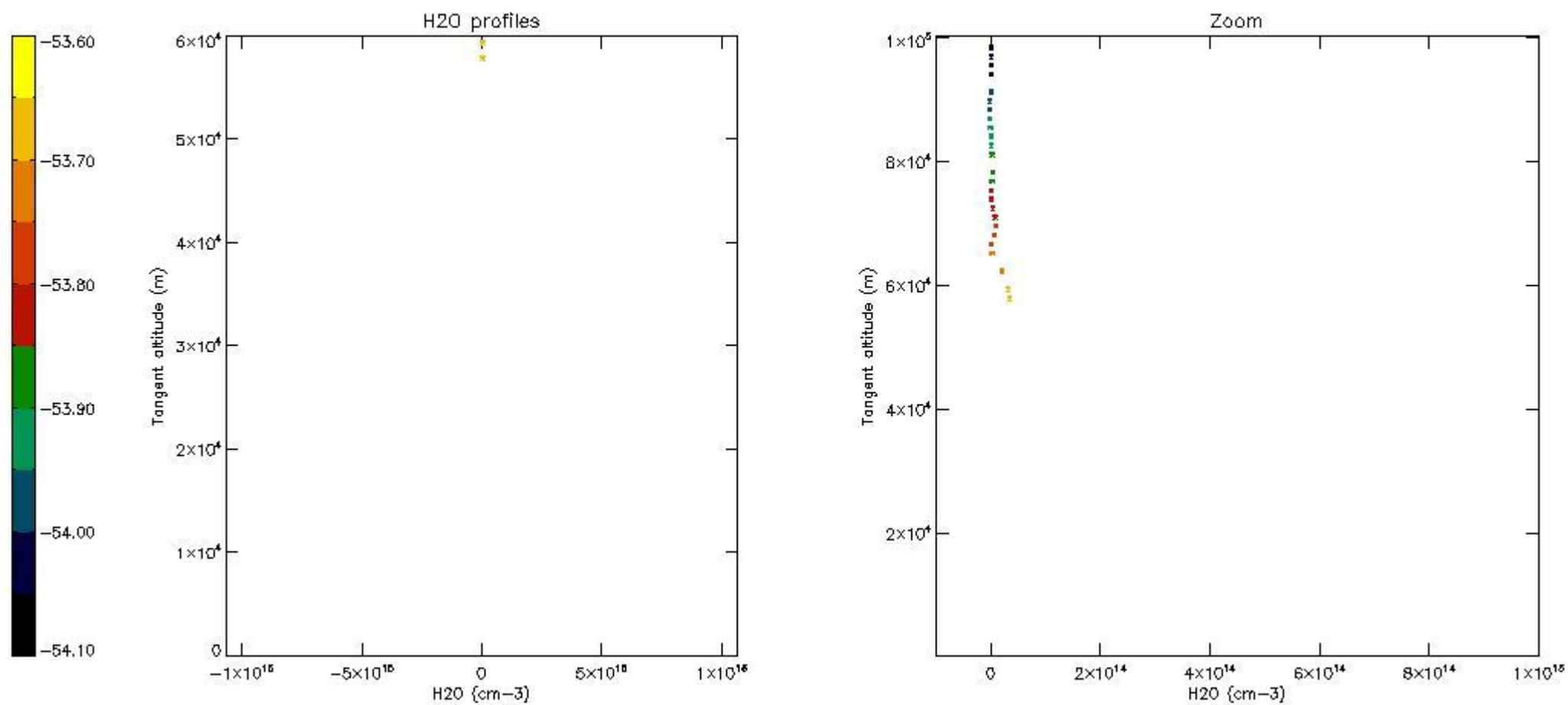
*5.7 Plot NO3 profiles for all STD (dark without errors)*

The colorbar represents the latitude.



5.8 Plot H<sub>2</sub>O 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	15-AUG-2010 00:01:05
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	15-AUG-2010 00:01:05
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	15-AUG-2010 00:01:05

# 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 14:13:49
Data source version	GOMOS/6.01
Start time of products	15-08-2010 (15AUG2010 00:00:00)
Stop time of products	16-08-2010 (16AUG2010 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	314
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__2PRFIN20100815_000105_000000422092_00073_44215_5007.N1	15-AUG-2010 00:01:05	Twilight	42.000	44	24Gam Gem	1.9280	11000.	84	44215	No
2	GOM_NL__2PRFIN20100815_000432_000000592092_00073_44215_5008.N1	15-AUG-2010 00:04:32	Dark	59.000	14	58Alp Ori	0.87000	3000.0	118	44215	No
3	GOM_NL__2PRFIN20100815_000741_000000492092_00073_44215_5009.N1	15-AUG-2010 00:07:41	Dark	49.000	30	46Eps Ori	1.6940	30000.	98	44215	No
4	GOM_NL__2PRFIN20100815_000905_000000442092_00073_44215_5010.N1	15-AUG-2010 00:09:05	Dark	44.000	125	44Iot Ori	2.7700	30000.	88	44215	No
5	GOM_NL__2PRFIN20100815_001037_000000622092_00073_44215_5011.N1	15-AUG-2010 00:10:37	Dark	62.000	7	19Bet Ori	0.10000	14000.	124	44215	No
6	GOM_NL__2PRFIN20100815_001230_000000462092_00073_44215_5012.N1	15-AUG-2010 00:12:30	Dark	45.500	101	11Alp Lep	2.5820	7000.0	91	44215	No
7	GOM_NL__2PRFIN20100815_002612_000000482092_00074_44216_5007.N1	15-AUG-2010 00:26:12	Dark	47.500	157	The1Eri	2.9060	9300.0	95	44216	No
8	GOM_NL__2PRFIN20100815_003028_000000472092_00074_44216_5008.N1	15-AUG-2010 00:30:28	Dark	46.500	9	Alp Eri	0.45300	24000.	93	44216	No
9	GOM_NL__2PRFIN20100815_003609_000000532092_00074_44216_5009.N1	15-AUG-2010 00:36:09	Straylight	52.500	84	Alp Phe	2.3970	4500.0	105	44216	No
10	GOM_NL__2PRFIN20100815_003952_000000442092_00074_44216_5010.N1	15-AUG-2010 00:39:52	Straylight	44.000	31	Alp Gru	1.7340	15200.	88	44216	No
11	GOM_NL__2PRFIN20100815_004348_000000562092_00074_44216_5011.N1	15-AUG-2010 00:43:48	Twilight	55.500	18	24Alp PsA	1.1660	9700.0	111	44216	No
12	GOM_NL__2PRFIN20100815_004934_000000462092_00074_44216_5012.N1	15-AUG-2010 00:49:34	Bright	45.500	142	49Del Cap	2.8500	8900.0	91	44216	No
13	GOM_NL__2PRFIN20100815_005305_000000432092_00074_44216_5013.N1	15-AUG-2010 00:53:05	Bright	42.500	154	22Bet Aqr	2.8990	5700.0	85	44216	No
14	GOM_NL__2PRFIN20100815_005825_000000472092_00074_44216_5014.N1	15-AUG-2010 00:58:25	Bright	46.500	61	8Eps Peg	2.1000	3900.0	93	44216	No
15	GOM_NL__2PRFIN20100815_010452_000000382092_00074_44216_5015.N1	15-AUG-2010 01:04:52	Bright	38.000	92	53Eps Cyg	2.5000	4500.0	76	44216	No
16	GOM_NL__2PRFIN20100815_010625_000000362092_00074_44216_5016.N1	15-AUG-2010 01:06:25	Bright	35.500	66	37Gam Cyg	2.2080	5900.0	71	44216	No
17	GOM_NL__2PRFIN20100815_010804_000000382092_00074_44216_5017.N1	15-AUG-2010 01:08:04	Bright	37.500	19	50Alp Cyg	1.2460	10500.	75	44216	No
18	GOM_NL__2PRFIN20100815_011326_000000412092_00074_44216_5018.N1	15-AUG-2010 01:13:26	Bright	40.500	89	5Alp Cep	2.4510	8000.0	81	44216	No
19	GOM_NL__2PRFIN20100815_013300_000000502092_00074_44216_5019.N1	15-AUG-2010 01:33:00	Bright	49.500	6	13Alp Aur	0.080000	3400.0	99	44216	No
20	GOM_NL__2PRFIN20100815_013550_000000382092_00074_44216_5020.N1	15-AUG-2010 01:35:50	Bright	38.000	107	37The Aur	2.6490	11000.	76	44216	No
21	GOM_NL__2PRFIN20100815_013854_000000512092_00074_44216_5021.N1	15-AUG-2010 01:38:54	Twilight	50.500	28	12Bet Tau	1.6500	15200.	101	44216	No
22	GOM_NL__2PRFIN20100815_014142_000000432092_00074_44216_5022.N1	15-AUG-2010 01:41:42	Twilight	42.500	44	24Gam Gem	1.9280	11000.	85	44216	No
23	GOM_NL__2PRFIN20100815_014509_000000592092_00074_44216_5023.N1	15-AUG-2010 01:45:09	Dark	58.500	14	58Alp Ori	0.87000	3000.0	117	44216	No
24	GOM_NL__2PRFIN20100815_014817_000000502092_00074_44216_5024.N1	15-AUG-2010 01:48:17	Dark	50.000	30	46Eps Ori	1.6940	30000.	100	44216	No
25	GOM_NL__2PRFIN20100815_014942_000000462092_00074_44216_5025.N1	15-AUG-2010 01:49:42	Dark	46.000	125	44Iot Ori	2.7700	30000.	92	44216	No
26	GOM_NL__2PRFIN20100815_015113_000000552092_00074_44216_5026.N1	15-AUG-2010 01:51:13	Dark	54.500	7	19Bet Ori	0.10000	14000.	109	44216	No
27	GOM_NL__2PRFIN20100815_015307_000000452092_00074_44216_5027.N1	15-AUG-2010 01:53:07	Dark	44.500	101	11Alp Lep	2.5820	7000.0	89	44216	No
28	GOM_NL__2PRFIN20100815_020649_000000502092_00075_44217_5033.N1	15-AUG-2010 02:06:49	Dark	49.500	157	The1Eri	2.9060	9300.0	99	44217	No
29	GOM_NL__2PRFIN20100815_021104_000000442092_00075_44217_5034.N1	15-AUG-2010 02:11:04	Dark	44.000	9	Alp Eri	0.45300	24000.	88	44217	No
30	GOM_NL__2PRFIN20100815_021646_000000592092_00075_44217_5035.N1	15-AUG-2010 02:16:46	Straylight	58.500	84	Alp Phe	2.3970	4500.0	117	44217	No
31	GOM_NL__2PRFIN20100815_022029_000000452092_00075_44217_5036.N1	15-AUG-2010 02:20:29	Straylight	44.500	31	Alp Gru	1.7340	15200.	89	44217	No
32	GOM_NL__2PRFIN20100815_022425_000000592092_00075_44217_5037.N1	15-AUG-2010 02:24:25	Twilight	59.000	18	24Alp PsA	1.1660	9700.0	118	44217	No
33	GOM_NL__2PRFIN20100815_023010_000000452092_00075_44217_5038.N1	15-AUG-2010 02:30:10	Bright	45.000	142	49Del Cap	2.8500	8900.0	90	44217	No
34	GOM_NL__2PRFIN20100815_023341_000000432092_00075_44217_5039.N1	15-AUG-2010 02:33:41	Bright	43.000	154	22Bet Aqr	2.8990	5700.0	86	44217	No
35	GOM_NL__2PRFIN20100815_023901_000000482092_00075_44217_5040.N1	15-AUG-2010 02:39:01	Bright	47.500	61	8Eps Peg	2.1000	3900.0	95	44217	No
36	GOM_NL__2PRFIN20100815_024527_000000412092_00075_44217_5041.N1	15-AUG-2010 02:45:27	Bright	40.500	92	53Eps Cyg	2.5000	4500.0	81	44217	No
37	GOM_NL__2PRFIN20100815_024701_000000392092_00075_44217_5042.N1	15-AUG-2010 02:47:01	Bright	38.500	66	37Gam Cyg	2.2080	5900.0	77	44217	No
38	GOM_NL__2PRFIN20100815_024840_000000412092_00075_44217_5043.N1	15-AUG-2010 02:48:40	Bright	41.000	19	50Alp Cyg	1.2460	10500.	82	44217	No
39	GOM_NL__2PRFIN20100815_025402_000000372092_00075_44217_5044.N1	15-AUG-2010 02:54:02	Bright	36.500	89	5Alp Cep	2.4510	8000.0	73	44217	No
40	GOM_NL__2PRFIN20100815_031336_000000612092_00075_44217_5045.N1	15-AUG-2010 03:13:36	Bright	61.000	6	13Alp Aur	0.080000	3400.0	122	44217	No
41	GOM_NL__2PRFIN20100815_031627_000000392092_00075_44217_5046.N1	15-AUG-2010 03:16:27	Bright	38.500	107	37The Aur	2.6490	11000.	77	44217	No
42	GOM_NL__2PRFIN20100815_031930_000000512092_00075_44217_5047.N1	15-AUG-2010 03:19:30	Twilight	51.000	28	12Bet Tau	1.6500	15200.	102	44217	No

43	GOM_NL__2PRFIN20100815_032218_00000422092_00075_44217_5048.N1	15-AUG-2010 03:22:18	Twilight	41.500	44	24Gam Gem	1.9280	11000.	83	44217	No
44	GOM_NL__2PRFIN20100815_032545_00000542092_00075_44217_5049.N1	15-AUG-2010 03:25:45	Dark	53.500	14	58Alp Ori	0.87000	3000.0	107	44217	No
45	GOM_NL__2PRFIN20100815_032854_00000482092_00075_44217_5050.N1	15-AUG-2010 03:28:54	Dark	47.500	30	46Eps Ori	1.6940	30000.	95	44217	No
46	GOM_NL__2PRFIN20100815_033018_00000472092_00075_44217_5051.N1	15-AUG-2010 03:30:18	Dark	46.500	125	44Iot Ori	2.7700	30000.	93	44217	No
47	GOM_NL__2PRFIN20100815_033149_00000562092_00075_44217_5052.N1	15-AUG-2010 03:31:49	Dark	56.000	7	19Bet Ori	0.10000	14000.	112	44217	No
48	GOM_NL__2PRFIN20100815_033344_00000462092_00075_44217_5053.N1	15-AUG-2010 03:33:44	Dark	46.000	101	11Alp Lep	2.5820	7000.0	92	44217	No
49	GOM_NL__2PRFIN20100815_034726_00000492092_00076_44218_5043.N1	15-AUG-2010 03:47:26	Dark	49.000	157	The1Eri	2.9060	9300.0	98	44218	No
50	GOM_NL__2PRFIN20100815_035141_00000432092_00076_44218_5044.N1	15-AUG-2010 03:51:41	Dark	43.000	9	Alp Eri	0.45300	24000.	86	44218	No
51	GOM_NL__2PRFIN20100815_035722_00000552092_00076_44218_5045.N1	15-AUG-2010 03:57:22	Straylight	55.000	84	Alp Phe	2.3970	4500.0	110	44218	No
52	GOM_NL__2PRFIN20100815_040105_00000432092_00076_44218_5046.N1	15-AUG-2010 04:01:05	Straylight	43.000	31	Alp Gru	1.7340	15200.	86	44218	No
53	GOM_NL__2PRFIN20100815_040501_00000562092_00076_44218_5047.N1	15-AUG-2010 04:05:01	Twilight	56.000	18	24Alp PsA	1.1660	9700.0	112	44218	No
54	GOM_NL__2PRFIN20100815_041046_00000472092_00076_44218_5048.N1	15-AUG-2010 04:10:46	Bright	47.000	142	49Del Cap	2.8500	8900.0	94	44218	No
55	GOM_NL__2PRFIN20100815_041417_00000412092_00076_44218_5049.N1	15-AUG-2010 04:14:17	Bright	41.000	154	22Bet Aqr	2.8990	5700.0	82	44218	No
56	GOM_NL__2PRFIN20100815_041624_00000282092_00076_44218_5050.N1	15-AUG-2010 04:16:24	Twilight	28.000	162	34Alp Aqr	2.9440	5350.0	56	44218	No
57	GOM_NL__2PRFIN20100815_041937_00000462092_00076_44218_5051.N1	15-AUG-2010 04:19:37	Bright	46.000	61	8Eps Peg	2.1000	3900.0	92	44218	No
58	GOM_NL__2PRFIN20100815_042603_00000422092_00076_44218_5052.N1	15-AUG-2010 04:26:03	Bright	42.000	92	53Eps Cyg	2.5000	4500.0	84	44218	No
59	GOM_NL__2PRFIN20100815_042737_00000392092_00076_44218_5053.N1	15-AUG-2010 04:27:37	Bright	39.000	66	37Gam Cyg	2.2080	5900.0	78	44218	No
60	GOM_NL__2PRFIN20100815_042915_00000402092_00076_44218_5054.N1	15-AUG-2010 04:29:15	Bright	40.000	19	50Alp Cyg	1.2460	10500.	80	44218	No
61	GOM_NL__2PRFIN20100815_043438_00000382092_00076_44218_5055.N1	15-AUG-2010 04:34:38	Bright	37.500	89	5Alp Cep	2.4510	8000.0	75	44218	No
62	GOM_NL__2PRFIN20100815_045412_00000612092_00076_44218_5056.N1	15-AUG-2010 04:54:12	Bright	61.000	6	13Alp Aur	0.080000	3400.0	122	44218	No
63	GOM_NL__2PRFIN20100815_045703_00000442092_00076_44218_5057.N1	15-AUG-2010 04:57:03	Bright	44.000	107	37The Aur	2.6490	11000.	88	44218	No
64	GOM_NL__2PRFIN20100815_050007_00000532092_00076_44218_5058.N1	15-AUG-2010 05:00:07	Twilight	52.500	28	12Bet Tau	1.6500	15200.	105	44218	No
65	GOM_NL__2PRFIN20100815_050254_00000412092_00076_44218_5059.N1	15-AUG-2010 05:02:54	Twilight	40.500	44	24Gam Gem	1.9280	11000.	81	44218	No
66	GOM_NL__2PRFIN20100815_050622_00000522092_00076_44218_5060.N1	15-AUG-2010 05:06:22	Dark	51.500	14	58Alp Ori	0.87000	3000.0	103	44218	No
67	GOM_NL__2PRFIN20100815_050930_00000502092_00076_44218_5061.N1	15-AUG-2010 05:09:30	Dark	49.500	30	46Eps Ori	1.6940	30000.	99	44218	No
68	GOM_NL__2PRFIN20100815_051055_00000442092_00076_44218_5062.N1	15-AUG-2010 05:10:55	Dark	43.500	125	44Iot Ori	2.7700	30000.	87	44218	No
69	GOM_NL__2PRFIN20100815_051226_00000532092_00076_44218_5063.N1	15-AUG-2010 05:12:26	Dark	53.000	7	19Bet Ori	0.10000	14000.	106	44218	No
70	GOM_NL__2PRFIN20100815_051421_00000432092_00076_44218_5064.N1	15-AUG-2010 05:14:21	Dark	43.000	101	11Alp Lep	2.5820	7000.0	86	44218	No
71	GOM_NL__2PRFIN20100815_052803_00000522092_00077_44219_5054.N1	15-AUG-2010 05:28:03	Dark	51.500	157	The1Eri	2.9060	9300.0	103	44219	No
72	GOM_NL__2PRFIN20100815_053218_00000462092_00077_44219_5055.N1	15-AUG-2010 05:32:18	Dark	45.500	9	Alp Eri	0.45300	24000.	91	44219	No
73	GOM_NL__2PRFIN20100815_053759_00000542092_00077_44219_5056.N1	15-AUG-2010 05:37:59	Straylight	53.500	84	Alp Phe	2.3970	4500.0	107	44219	No
74	GOM_NL__2PRFIN20100815_054142_00000422092_00077_44219_5057.N1	15-AUG-2010 05:41:42	Straylight	41.500	31	Alp Gru	1.7340	15200.	83	44219	No
75	GOM_NL__2PRFIN20100815_054537_00000562092_00077_44219_5058.N1	15-AUG-2010 05:45:37	Twilight	56.000	18	24Alp PsA	1.1660	9700.0	112	44219	No
76	GOM_NL__2PRFIN20100815_055122_00000462092_00077_44219_5059.N1	15-AUG-2010 05:51:22	Bright	46.000	142	49Del Cap	2.8500	8900.0	92	44219	No
77	GOM_NL__2PRFIN20100815_055453_00000452092_00077_44219_5060.N1	15-AUG-2010 05:54:53	Bright	44.500	154	22Bet Aqr	2.8990	5700.0	89	44219	No
78	GOM_NL__2PRFIN20100815_055659_00000282092_00077_44219_5061.N1	15-AUG-2010 05:56:59	Twilight	28.000	162	34Alp Aqr	2.9440	5350.0	56	44219	No
79	GOM_NL__2PRFIN20100815_060012_00000452092_00077_44219_5062.N1	15-AUG-2010 06:00:12	Bright	44.500	61	8Eps Peg	2.1000	3900.0	89	44219	No
80	GOM_NL__2PRFIN20100815_060639_00000372092_00077_44219_5063.N1	15-AUG-2010 06:06:39	Bright	37.000	92	53Eps Cyg	2.5000	4500.0	74	44219	No
81	GOM_NL__2PRFIN20100815_060813_00000372092_00077_44219_5064.N1	15-AUG-2010 06:08:13	Bright	37.000	66	37Gam Cyg	2.2080	5900.0	74	44219	No
82	GOM_NL__2PRFIN20100815_060951_00000412092_00077_44219_5065.N1	15-AUG-2010 06:09:51	Bright	41.000	19	50Alp Cyg	1.2460	10500.	82	44219	No
83	GOM_NL__2PRFIN20100815_061513_00000382092_00077_44219_5066.N1	15-AUG-2010 06:15:13	Bright	38.000	89	5Alp Cep	2.4510	8000.0	76	44219	No
84	GOM_NL__2PRFIN20100815_063448_00000482092_00077_44219_5067.N1	15-AUG-2010 06:34:48	Bright	47.500	6	13Alp Aur	0.080000	3400.0	95	44219	No
85	GOM_NL__2PRFIN20100815_063738_00000382092_00077_44219_5068.N1	15-AUG-2010 06:37:38	Bright	37.500	107	37The Aur	2.6490	11000.	75	44219	No
86	GOM_NL__2PRFIN20100815_064043_00000502092_00077_44219_5069.N1	15-AUG-2010 06:40:43	Twilight	50.000	28	12Bet Tau	1.6500	15200.	100	44219	No
87	GOM_NL__2PRFIN20100815_064330_00000412092_00077_44219_5070.N1	15-AUG-2010 06:43:30	Twilight	41.000	44	24Gam Gem	1.9280	11000.	82	44219	No
88	GOM_NL__2PRFIN20100815_064658_00000432092_00077_44219_5071.N1	15-AUG-2010 06:46:58	Dark	42.500	14	58Alp Ori	0.87000	3000.0	85	44219	No
89	GOM_NL__2PRFIN20100815_065007_00000492092_00077_44219_5072.N1	15-AUG-2010 06:50:07	Dark	49.000	30	46Eps Ori	1.6940	30000.	98	44219	No
90	GOM_NL__2PRFIN20100815_065132_00000442092_00077_44219_5073.N1	15-AUG-2010 06:51:32	Dark	43.500	125	44Iot Ori	2.7700	30000.	87	44219	No
91	GOM_NL__2PRFIN20100815_065303_00000592092_00077_44219_5074.N1	15-AUG-2010 06:53:03	Dark	58.500	7	19Bet Ori	0.10000	14000.	117	44219	No
92	GOM_NL__2PRFIN20100815_065457_00000462092_00077_44219_5075.N1	15-AUG-2010 06:54:57	Dark	46.000	101	11Alp Lep	2.5820	7000.0	92	44219	No
93	GOM_NL__2PRFIN20100815_070841_00000492092_00078_44220_5084.N1	15-AUG-2010 07:08:41	Dark	48.500	157	The1Eri	2.9060	9300.0	97	44220	No
94	GOM_NL__2PRFIN20100815_071255_00000452092_00078_44220_5085.N1	15-AUG-2010 07:12:55	Dark	45.000	9	Alp Eri	0.45300	24000.	90	44220	No
95	GOM_NL__2PRFIN20100815_071836_00000552092_00078_44220_5086.N1	15-AUG-2010 07:18:36	Straylight	54.500	84	Alp Phe	2.3970	4500.0	109	44220	No
96	GOM_NL__2PRFIN20100815_072218_00000452092_00078_44220_5087.N1	15-AUG-2010 07:22:18	Straylight	44.500	31	Alp Gru	1.7340	15200.	89	44220	No
97	GOM_NL__2PRFIN20100815_072614_00000572092_00078_44220_5088.N1	15-AUG-2010 07:26:14	Twilight	57.000	18	24Alp PsA	1.1660	9700.0	114	44220	No
98	GOM_NL__2PRFIN20100815_073159_00000452092_00078_44220_5089.N1	15-AUG-2010 07:31:59	Bright	45.000	142	49Del Cap	2.8500	8900.0	90	44220	No
99	GOM_NL__2PRFIN20100815_073529_00000442092_00078_44220_5090.N1	15-AUG-2010 07:35:29	Bright	43.500	154	22Bet Aqr	2.8990	5700.0	87	44220	No
100	GOM_NL__2PRFIN20100815_073735_00000352092_00078_44220_5091.N1	15-AUG-2010 07:37:35	Bright	35.000	162	34Alp Aqr	2.9440	5350.0	70	44220	No
101	GOM_NL__2PRFIN20100815_074048_00000472092_00078_44220_5092.N1	15-AUG-2010 07:40:48	Bright	46.500	61	8Eps Peg	2.1000	3900.0	93	44220	No

102	GOM_NL__2PRFIN20100815_074715_000000402092_00078_44220_5093.N1	15-AUG-2010 07:47:15	Bright	39.500	92	53Eps Cyg	2.5000	4500.0	79	44220	No
103	GOM_NL__2PRFIN20100815_074848_000000402092_00078_44220_5094.N1	15-AUG-2010 07:48:48	Bright	39.500	66	37Gam Cyg	2.2080	5900.0	79	44220	No
104	GOM_NL__2PRFIN20100815_075027_000000412092_00078_44220_5095.N1	15-AUG-2010 07:50:27	Bright	41.000	19	50Alp Cyg	1.2460	10500.	82	44220	No
105	GOM_NL__2PRFIN20100815_075549_000000392092_00078_44220_5096.N1	15-AUG-2010 07:55:49	Bright	38.500	89	5Alp Cep	2.4510	8000.0	77	44220	No
106	GOM_NL__2PRFIN20100815_081523_000000612092_00078_44220_5097.N1	15-AUG-2010 08:15:23	Bright	61.000	6	13Alp Aur	0.080000	3400.0	122	44220	No
107	GOM_NL__2PRFIN20100815_081815_000000572092_00078_44220_5098.N1	15-AUG-2010 08:18:15	Bright	57.000	107	37The Aur	2.6490	11000.	114	44220	No
108	GOM_NL__2PRFIN20100815_082119_000000502092_00078_44220_5099.N1	15-AUG-2010 08:21:19	Tw_i_and_stray	50.000	28	12Bet Tau	1.6500	15200.	100	44220	No
109	GOM_NL__2PRFIN20100815_082407_000000392092_00078_44220_5100.N1	15-AUG-2010 08:24:07	Tw_i_and_stray	38.500	44	24Gam Gem	1.9280	11000.	77	44220	No
110	GOM_NL__2PRFIN20100815_082734_000000582092_00078_44220_5101.N1	15-AUG-2010 08:27:34	Dark	57.500	14	58Alp Ori	0.87000	3000.0	115	44220	No
111	GOM_NL__2PRFIN20100815_083043_000000482092_00078_44220_5102.N1	15-AUG-2010 08:30:43	Dark	47.500	30	46Eps Ori	1.6940	30000.	95	44220	No
112	GOM_NL__2PRFIN20100815_083208_000000472092_00078_44220_5103.N1	15-AUG-2010 08:32:08	Dark	46.500	125	44lot Ori	2.7700	30000.	93	44220	No
113	GOM_NL__2PRFIN20100815_083340_000000592092_00078_44220_5104.N1	15-AUG-2010 08:33:40	Dark	58.500	7	19Bet Ori	0.10000	14000.	117	44220	No
114	GOM_NL__2PRFIN20100815_083534_000000472092_00078_44220_5105.N1	15-AUG-2010 08:35:34	Dark	47.000	101	11Alp Lep	2.5820	7000.0	94	44220	No
115	GOM_NL__2PRFIN20100815_084918_000000502092_00079_44221_5099.N1	15-AUG-2010 08:49:18	Dark	50.000	157	The1Eri	2.9060	9300.0	100	44221	No
116	GOM_NL__2PRFIN20100815_085331_000000442092_00079_44221_5100.N1	15-AUG-2010 08:53:31	Dark	44.000	9	Alp Eri	0.45300	24000.	88	44221	No
117	GOM_NL__2PRFIN20100815_085913_000000532092_00079_44221_5101.N1	15-AUG-2010 08:59:13	Straylight	52.500	84	Alp Phe	2.3970	4500.0	105	44221	No
118	GOM_NL__2PRFIN20100815_090254_000000492092_00079_44221_5102.N1	15-AUG-2010 09:02:54	Straylight	49.000	31	Alp Gru	1.7340	15200.	98	44221	No
119	GOM_NL__2PRFIN20100815_090650_000000542092_00079_44221_5103.N1	15-AUG-2010 09:06:50	Tw_i_and_stray	54.000	18	24Alp PsA	1.1660	9700.0	108	44221	No
120	GOM_NL__2PRFIN20100815_091235_000000442092_00079_44221_5104.N1	15-AUG-2010 09:12:35	Bright	44.000	142	49Del Cap	2.8500	8900.0	88	44221	No
121	GOM_NL__2PRFIN20100815_091605_000000432092_00079_44221_5105.N1	15-AUG-2010 09:16:05	Bright	42.500	154	22Bet Aqr	2.8990	5700.0	85	44221	No
122	GOM_NL__2PRFIN20100815_091811_000000352092_00079_44221_5106.N1	15-AUG-2010 09:18:11	Bright	35.000	162	34Alp Aqr	2.9440	5350.0	70	44221	No
123	GOM_NL__2PRFIN20100815_092123_000000482092_00079_44221_5107.N1	15-AUG-2010 09:21:23	Bright	48.000	61	8Eps Peg	2.1000	3900.0	96	44221	No
124	GOM_NL__2PRFIN20100815_092750_000000372092_00079_44221_5108.N1	15-AUG-2010 09:27:50	Bright	37.000	92	53Eps Cyg	2.5000	4500.0	74	44221	No
125	GOM_NL__2PRFIN20100815_092924_000000372092_00079_44221_5109.N1	15-AUG-2010 09:29:24	Bright	36.500	66	37Gam Cyg	2.2080	5900.0	73	44221	No
126	GOM_NL__2PRFIN20100815_093103_000000412092_00079_44221_5110.N1	15-AUG-2010 09:31:03	Bright	40.500	19	50Alp Cyg	1.2460	10500.	81	44221	No
127	GOM_NL__2PRFIN20100815_093624_000000432092_00079_44221_5111.N1	15-AUG-2010 09:36:24	Bright	42.500	89	5Alp Cep	2.4510	8000.0	85	44221	No
128	GOM_NL__2PRFIN20100815_095559_000000462092_00079_44221_5112.N1	15-AUG-2010 09:55:59	Bright	45.500	6	13Alp Aur	0.080000	3400.0	91	44221	No
129	GOM_NL__2PRFIN20100815_095851_000000522092_00079_44221_5113.N1	15-AUG-2010 09:58:51	Bright	51.500	107	37The Aur	2.6490	11000.	103	44221	No
130	GOM_NL__2PRFIN20100815_100155_000000492092_00079_44221_5114.N1	15-AUG-2010 10:01:55	Tw_i_and_stray	49.000	28	12Bet Tau	1.6500	15200.	98	44221	No
131	GOM_NL__2PRFIN20100815_100443_000000382092_00079_44221_5115.N1	15-AUG-2010 10:04:43	Tw_i_and_stray	38.000	44	24Gam Gem	1.9280	11000.	76	44221	No
132	GOM_NL__2PRFIN20100815_100811_000000592092_00079_44221_5116.N1	15-AUG-2010 10:08:11	Dark	59.000	14	58Alp Ori	0.87000	3000.0	118	44221	No
133	GOM_NL__2PRFIN20100815_101120_000000512092_00079_44221_5117.N1	15-AUG-2010 10:11:20	Dark	50.500	30	46Eps Ori	1.6940	30000.	101	44221	No
134	GOM_NL__2PRFIN20100815_101244_000000452092_00079_44221_5118.N1	15-AUG-2010 10:12:44	Dark	44.500	125	44lot Ori	2.7700	30000.	89	44221	No
135	GOM_NL__2PRFIN20100815_101417_000000562092_00079_44221_5119.N1	15-AUG-2010 10:14:17	Dark	56.000	7	19Bet Ori	0.10000	14000.	112	44221	No
136	GOM_NL__2PRFIN20100815_101610_000000462092_00079_44221_5120.N1	15-AUG-2010 10:16:10	Dark	45.500	101	11Alp Lep	2.5820	7000.0	91	44221	No
137	GOM_NL__2PRFIN20100815_102955_000000512092_00080_44222_5159.N1	15-AUG-2010 10:29:55	Dark	50.500	157	The1Eri	2.9060	9300.0	101	44222	No
138	GOM_NL__2PRFIN20100815_103408_000000452092_00080_44222_5160.N1	15-AUG-2010 10:34:08	Dark	44.500	9	Alp Eri	0.45300	24000.	89	44222	No
139	GOM_NL__2PRFIN20100815_103950_000000572092_00080_44222_5161.N1	15-AUG-2010 10:39:50	Straylight	56.500	84	Alp Phe	2.3970	4500.0	113	44222	No
140	GOM_NL__2PRFIN20100815_104330_000000412092_00080_44222_5162.N1	15-AUG-2010 10:43:30	Straylight	41.000	31	Alp Gru	1.7340	15200.	82	44222	No
141	GOM_NL__2PRFIN20100815_104727_000000582092_00080_44222_5163.N1	15-AUG-2010 10:47:27	Tw_i_and_stray	58.000	18	24Alp PsA	1.1660	9700.0	116	44222	No
142	GOM_NL__2PRFIN20100815_105311_000000462092_00080_44222_5164.N1	15-AUG-2010 10:53:11	Bright	45.500	142	49Del Cap	2.8500	8900.0	91	44222	No
143	GOM_NL__2PRFIN20100815_105640_000000442092_00080_44222_5165.N1	15-AUG-2010 10:56:40	Bright	44.000	154	22Bet Aqr	2.8990	5700.0	88	44222	No
144	GOM_NL__2PRFIN20100815_105846_000000422092_00080_44222_5166.N1	15-AUG-2010 10:58:46	Bright	42.000	162	34Alp Aqr	2.9440	5350.0	84	44222	No
145	GOM_NL__2PRFIN20100815_110159_000000442092_00080_44222_5167.N1	15-AUG-2010 11:01:59	Bright	43.500	61	8Eps Peg	2.1000	3900.0	87	44222	No
146	GOM_NL__2PRFIN20100815_110825_000000372092_00080_44222_5168.N1	15-AUG-2010 11:08:25	Bright	36.500	92	53Eps Cyg	2.5000	4500.0	73	44222	No
147	GOM_NL__2PRFIN20100815_111000_000000372092_00080_44222_5169.N1	15-AUG-2010 11:10:00	Bright	37.000	66	37Gam Cyg	2.2080	5900.0	74	44222	No
148	GOM_NL__2PRFIN20100815_111138_000000422092_00080_44222_5170.N1	15-AUG-2010 11:11:38	Bright	41.500	19	50Alp Cyg	1.2460	10500.	83	44222	No
149	GOM_NL__2PRFIN20100815_111700_000000392092_00080_44222_5171.N1	15-AUG-2010 11:17:00	Bright	38.500	89	5Alp Cep	2.4510	8000.0	77	44222	No
150	GOM_NL__2PRFIN20100815_113635_000000502092_00080_44222_5172.N1	15-AUG-2010 11:36:35	Bright	50.000	6	13Alp Aur	0.080000	3400.0	100	44222	No
151	GOM_NL__2PRFIN20100815_113926_000000392092_00080_44222_5173.N1	15-AUG-2010 11:39:26	Bright	39.000	107	37The Aur	2.6490	11000.	78	44222	No
152	GOM_NL__2PRFIN20100815_114231_000000522092_00080_44222_5174.N1	15-AUG-2010 11:42:31	Tw_i_and_stray	51.500	28	12Bet Tau	1.6500	15200.	103	44222	No
153	GOM_NL__2PRFIN20100815_114519_000000442092_00080_44222_5175.N1	15-AUG-2010 11:45:19	Tw_i_and_stray	44.000	44	24Gam Gem	1.9280	11000.	88	44222	No
154	GOM_NL__2PRFIN20100815_114847_000000492092_00080_44222_5176.N1	15-AUG-2010 11:48:47	Dark	49.000	14	58Alp Ori	0.87000	3000.0	98	44222	No
155	GOM_NL__2PRFIN20100815_115157_000000482092_00080_44222_5177.N1	15-AUG-2010 11:51:57	Dark	47.500	30	46Eps Ori	1.6940	30000.	95	44222	No
156	GOM_NL__2PRFIN20100815_115321_000000482092_00080_44222_5178.N1	15-AUG-2010 11:53:21	Dark	47.500	125	44lot Ori	2.7700	30000.	95	44222	No
157	GOM_NL__2PRFIN20100815_115453_000000562092_00080_44222_5179.N1	15-AUG-2010 11:54:53	Dark	56.000	7	19Bet Ori	0.10000	14000.	112	44222	No
158	GOM_NL__2PRFIN20100815_115647_000000452092_00080_44222_5180.N1	15-AUG-2010 11:56:47	Dark	45.000	101	11Alp Lep	2.5820	7000.0	90	44222	No
159	GOM_NL__2PRFIN20100815_121032_000000502092_00081_44223_5181.N1	15-AUG-2010 12:10:32	Dark	49.500	157	The1Eri	2.9060	9300.0	99	44223	No
160	GOM_NL__2PRFIN20100815_121444_000000462092_00081_44223_5182.N1	15-AUG-2010 12:14:44	Dark	46.000	9	Alp Eri	0.45300	24000.	92	44223	No



161	GOM_NL__2PRFIN20100815_122026_000000532092_00081_44223_5183.N1	15-AUG-2010 12:20:26	Straylight	52.500	84	Alp Phe	2.3970	4500.0	105	44223	No
162	GOM_NL__2PRFIN20100815_122406_000000422092_00081_44223_5184.N1	15-AUG-2010 12:24:06	Straylight	41.500	31	Alp Gru	1.7340	15200.	83	44223	No
163	GOM_NL__2PRFIN20100815_122803_000000562092_00081_44223_5185.N1	15-AUG-2010 12:28:03	Tw_i_and_stray	56.000	18	24Alp PsA	1.1660	9700.0	112	44223	No
164	GOM_NL__2PRFIN20100815_123347_000000452092_00081_44223_5186.N1	15-AUG-2010 12:33:47	Bright	45.000	142	49Del Cap	2.8500	8900.0	90	44223	No
165	GOM_NL__2PRFIN20100815_123716_000000442092_00081_44223_5187.N1	15-AUG-2010 12:37:16	Bright	43.500	154	22Bet Aqr	2.8990	5700.0	87	44223	No
166	GOM_NL__2PRFIN20100815_123922_000000422092_00081_44223_5188.N1	15-AUG-2010 12:39:22	Bright	42.000	162	34Alp Aqr	2.9440	5350.0	84	44223	No
167	GOM_NL__2PRFIN20100815_124234_000000472092_00081_44223_5189.N1	15-AUG-2010 12:42:34	Bright	47.000	61	8Eps Peg	2.1000	3900.0	94	44223	No
168	GOM_NL__2PRFIN20100815_124902_000000392092_00081_44223_5190.N1	15-AUG-2010 12:49:02	Bright	38.500	92	53Eps Cyg	2.5000	4500.0	77	44223	No
169	GOM_NL__2PRFIN20100815_125036_000000352092_00081_44223_5191.N1	15-AUG-2010 12:50:36	Bright	34.500	66	37Gam Cyg	2.2080	5900.0	69	44223	No
170	GOM_NL__2PRFIN20100815_125214_000000412092_00081_44223_5192.N1	15-AUG-2010 12:52:14	Bright	41.000	19	50Alp Cyg	1.2460	10500.	82	44223	No
171	GOM_NL__2PRFIN20100815_125736_000000392092_00081_44223_5193.N1	15-AUG-2010 12:57:36	Bright	39.000	89	5Alp Cep	2.4510	8000.0	78	44223	No
172	GOM_NL__2PRFIN20100815_131711_000000512092_00081_44223_5194.N1	15-AUG-2010 13:17:11	Bright	50.500	6	13Alp Aur	0.080000	3400.0	101	44223	No
173	GOM_NL__2PRFIN20100815_132002_000000402092_00081_44223_5195.N1	15-AUG-2010 13:20:02	Bright	39.500	107	37The Aur	2.6490	11000.	79	44223	No
174	GOM_NL__2PRFIN20100815_132307_000000512092_00081_44223_5196.N1	15-AUG-2010 13:23:07	Tw_i_and_stray	51.000	28	12Bet Tau	1.6500	15200.	102	44223	No
175	GOM_NL__2PRFIN20100815_132555_000000432092_00081_44223_5197.N1	15-AUG-2010 13:25:55	Tw_i_and_stray	43.000	44	24Gam Gem	1.9280	11000.	86	44223	No
176	GOM_NL__2PRFIN20100815_132923_000000572092_00081_44223_5198.N1	15-AUG-2010 13:29:23	Dark	57.000	14	58Alp Ori	0.87000	3000.0	114	44223	No
177	GOM_NL__2PRFIN20100815_133233_000000482092_00081_44223_5199.N1	15-AUG-2010 13:32:33	Dark	48.000	30	46Eps Ori	1.6940	30000.	96	44223	No
178	GOM_NL__2PRFIN20100815_133358_000000462092_00081_44223_5200.N1	15-AUG-2010 13:33:58	Dark	45.500	125	44lot Ori	2.7700	30000.	91	44223	No
179	GOM_NL__2PRFIN20100815_133530_000000542092_00081_44223_5201.N1	15-AUG-2010 13:35:30	Dark	53.500	7	19Bet Ori	0.10000	14000.	107	44223	No
180	GOM_NL__2PRFIN20100815_133723_000000462092_00081_44223_5202.N1	15-AUG-2010 13:37:23	Dark	46.000	101	11Alp Lep	2.5820	7000.0	92	44223	No
181	GOM_NL__2PRFIN20100815_135109_000000492092_00082_44224_5209.N1	15-AUG-2010 13:51:09	Dark	49.000	157	The1Eri	2.9060	9300.0	98	44224	No
182	GOM_NL__2PRFIN20100815_135521_000000442092_00082_44224_5210.N1	15-AUG-2010 13:55:21	Dark	44.000	9	Alp Eri	0.45300	24000.	88	44224	No
183	GOM_NL__2PRFIN20100815_140103_000000522092_00082_44224_5211.N1	15-AUG-2010 14:01:03	Straylight	52.000	84	Alp Phe	2.3970	4500.0	104	44224	No
184	GOM_NL__2PRFIN20100815_140443_000000452092_00082_44224_5212.N1	15-AUG-2010 14:04:43	Straylight	44.500	31	Alp Gru	1.7340	15200.	89	44224	No
185	GOM_NL__2PRFIN20100815_140839_000000572092_00082_44224_5213.N1	15-AUG-2010 14:08:39	Tw_i_and_stray	56.500	18	24Alp PsA	1.1660	9700.0	113	44224	No
186	GOM_NL__2PRFIN20100815_141423_000000472092_00082_44224_5214.N1	15-AUG-2010 14:14:23	Bright	46.500	142	49Del Cap	2.8500	8900.0	93	44224	No
187	GOM_NL__2PRFIN20100815_141753_000000422092_00082_44224_5215.N1	15-AUG-2010 14:17:53	Bright	41.500	154	22Bet Aqr	2.8990	5700.0	83	44224	No
188	GOM_NL__2PRFIN20100815_141958_000000492092_00082_44224_5216.N1	15-AUG-2010 14:19:58	Bright	49.000	162	34Alp Aqr	2.9440	5350.0	98	44224	No
189	GOM_NL__2PRFIN20100815_142310_000000452092_00082_44224_5217.N1	15-AUG-2010 14:23:10	Bright	44.500	61	8Eps Peg	2.1000	3900.0	89	44224	No
190	GOM_NL__2PRFIN20100815_142937_000000402092_00082_44224_5218.N1	15-AUG-2010 14:29:37	Bright	39.500	92	53Eps Cyg	2.5000	4500.0	79	44224	No
191	GOM_NL__2PRFIN20100815_143112_000000392092_00082_44224_5219.N1	15-AUG-2010 14:31:12	Bright	39.000	66	37Gam Cyg	2.2080	5900.0	78	44224	No
192	GOM_NL__2PRFIN20100815_143250_000000382092_00082_44224_5220.N1	15-AUG-2010 14:32:50	Bright	38.000	19	50Alp Cyg	1.2460	10500.	76	44224	No
193	GOM_NL__2PRFIN20100815_143812_000000382092_00082_44224_5221.N1	15-AUG-2010 14:38:12	Bright	38.000	89	5Alp Cep	2.4510	8000.0	76	44224	No
194	GOM_NL__2PRFIN20100815_145747_000000502092_00082_44224_5222.N1	15-AUG-2010 14:57:47	Bright	50.000	6	13Alp Aur	0.080000	3400.0	100	44224	No
195	GOM_NL__2PRFIN20100815_150038_000000392092_00082_44224_5223.N1	15-AUG-2010 15:00:38	Bright	38.500	107	37The Aur	2.6490	11000.	77	44224	No
196	GOM_NL__2PRFIN20100815_150343_000000502092_00082_44224_5224.N1	15-AUG-2010 15:03:43	Tw_i_and_stray	50.000	28	12Bet Tau	1.6500	15200.	100	44224	No
197	GOM_NL__2PRFIN20100815_150631_000000462092_00082_44224_5225.N1	15-AUG-2010 15:06:31	Tw_i_and_stray	46.000	44	24Gam Gem	1.9280	11000.	92	44224	No
198	GOM_NL__2PRFIN20100815_150959_000000592092_00082_44224_5226.N1	15-AUG-2010 15:09:59	Dark	59.000	14	58Alp Ori	0.87000	3000.0	118	44224	No
199	GOM_NL__2PRFIN20100815_151310_000000472092_00082_44224_5227.N1	15-AUG-2010 15:13:10	Dark	46.500	30	46Eps Ori	1.6940	30000.	93	44224	No
200	GOM_NL__2PRFIN20100815_151434_000000452092_00082_44224_5228.N1	15-AUG-2010 15:14:34	Dark	44.500	125	44lot Ori	2.7700	30000.	89	44224	No
201	GOM_NL__2PRFIN20100815_151607_000000562092_00082_44224_5229.N1	15-AUG-2010 15:16:07	Dark	56.000	7	19Bet Ori	0.10000	14000.	112	44224	No
202	GOM_NL__2PRFIN20100815_151800_000000442092_00082_44224_5230.N1	15-AUG-2010 15:18:00	Dark	44.000	101	11Alp Lep	2.5820	7000.0	88	44224	No
203	GOM_NL__2PRFIN20100815_153146_000000502092_00083_44225_5217.N1	15-AUG-2010 15:31:46	Dark	49.500	157	The1Eri	2.9060	9300.0	99	44225	No
204	GOM_NL__2PRFIN20100815_153557_000000442092_00083_44225_5218.N1	15-AUG-2010 15:35:57	Dark	43.500	9	Alp Eri	0.45300	24000.	87	44225	No
205	GOM_NL__2PRFIN20100815_154140_000000592092_00083_44225_5219.N1	15-AUG-2010 15:41:40	Straylight	59.000	84	Alp Phe	2.3970	4500.0	118	44225	No
206	GOM_NL__2PRFIN20100815_154519_000000412092_00083_44225_5220.N1	15-AUG-2010 15:45:19	Straylight	41.000	31	Alp Gru	1.7340	15200.	82	44225	No
207	GOM_NL__2PRFIN20100815_154916_000000582092_00083_44225_5221.N1	15-AUG-2010 15:49:16	Tw_i_and_stray	58.000	18	24Alp PsA	1.1660	9700.0	116	44225	No
208	GOM_NL__2PRFIN20100815_155459_000000482092_00083_44225_5222.N1	15-AUG-2010 15:54:59	Bright	47.500	142	49Del Cap	2.8500	8900.0	95	44225	No
209	GOM_NL__2PRFIN20100815_155829_000000442092_00083_44225_5223.N1	15-AUG-2010 15:58:29	Bright	44.000	154	22Bet Aqr	2.8990	5700.0	88	44225	No
210	GOM_NL__2PRFIN20100815_160033_000000492092_00083_44225_5224.N1	15-AUG-2010 16:00:33	Bright	48.500	162	34Alp Aqr	2.9440	5350.0	97	44225	No
211	GOM_NL__2PRFIN20100815_160346_000000492092_00083_44225_5225.N1	15-AUG-2010 16:03:46	Bright	49.000	61	8Eps Peg	2.1000	3900.0	98	44225	No
212	GOM_NL__2PRFIN20100815_161013_000000372092_00083_44225_5226.N1	15-AUG-2010 16:10:13	Bright	36.500	92	53Eps Cyg	2.5000	4500.0	73	44225	No
213	GOM_NL__2PRFIN20100815_161147_000000372092_00083_44225_5227.N1	15-AUG-2010 16:11:47	Bright	36.500	66	37Gam Cyg	2.2080	5900.0	73	44225	No
214	GOM_NL__2PRFIN20100815_161325_000000412092_00083_44225_5228.N1	15-AUG-2010 16:13:25	Bright	40.500	19	50Alp Cyg	1.2460	10500.	81	44225	No
215	GOM_NL__2PRFIN20100815_161847_000000392092_00083_44225_5229.N1	15-AUG-2010 16:18:47	Bright	38.500	89	5Alp Cep	2.4510	8000.0	77	44225	No
216	GOM_NL__2PRFIN20100815_163823_000000622092_00083_44225_5230.N1	15-AUG-2010 16:38:23	Bright	62.000	6	13Alp Aur	0.080000	3400.0	124	44225	No
217	GOM_NL__2PRFIN20100815_164115_000000402092_00083_44225_5231.N1	15-AUG-2010 16:41:15	Bright	39.500	107	37The Aur	2.6490	11000.	79	44225	No
218	GOM_NL__2PRFIN20100815_164420_000000492092_00083_44225_5232.N1	15-AUG-2010 16:44:20	Tw_i_and_stray	48.500	28	12Bet Tau	1.6500	15200.	97	44225	No
219	GOM_NL__2PRFIN20100815_164707_000000432092_00083_44225_5233.N1	15-AUG-2010 16:47:07	Tw_i_and_stray	42.500	44	24Gam Gem	1.9280	11000.	85	44225	No

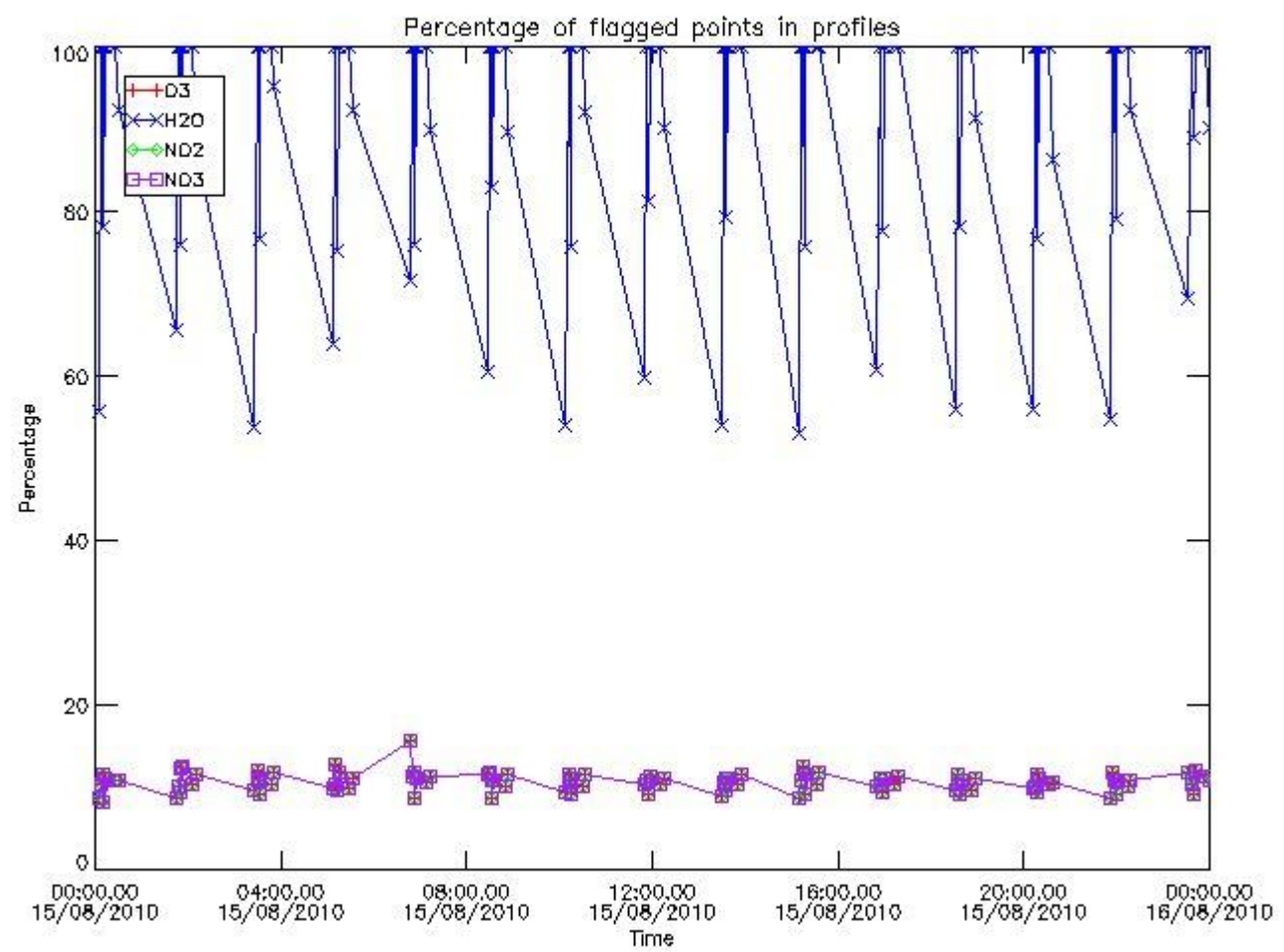
220	GOM_NL__2PRFIN20100815_165036_000000502092_00083_44225_5234.N1	15-AUG-2010 16:50:36	Dark	50.000	14	58Alp Ori	0.87000	3000.0	100	44225	No
221	GOM_NL__2PRFIN20100815_165346_000000492092_00083_44225_5235.N1	15-AUG-2010 16:53:46	Dark	49.000	30	46Eps Ori	1.6940	30000.	98	44225	No
222	GOM_NL__2PRFIN20100815_165511_000000462092_00083_44225_5236.N1	15-AUG-2010 16:55:11	Dark	45.500	125	44Iot Ori	2.7700	30000.	91	44225	No
223	GOM_NL__2PRFIN20100815_165643_000000542092_00083_44225_5237.N1	15-AUG-2010 16:56:43	Dark	54.000	7	19Bet Ori	0.10000	14000.	108	44225	No
224	GOM_NL__2PRFIN20100815_165837_000000462092_00083_44225_5238.N1	15-AUG-2010 16:58:37	Dark	46.000	101	11Alp Lep	2.5820	7000.0	92	44225	No
225	GOM_NL__2PRFIN20100815_171223_000000502092_00084_44226_5226.N1	15-AUG-2010 17:12:23	Dark	49.500	157	The1Eri	2.9060	9300.0	99	44226	No
226	GOM_NL__2PRFIN20100815_171634_000000452092_00084_44226_5227.N1	15-AUG-2010 17:16:34	Dark	45.000	9	Alp Eri	0.45300	24000.	90	44226	No
227	GOM_NL__2PRFIN20100815_172217_000000532092_00084_44226_5228.N1	15-AUG-2010 17:22:17	Straylight	52.500	84	Alp Phe	2.3970	4500.0	105	44226	No
228	GOM_NL__2PRFIN20100815_172556_000000492092_00084_44226_5229.N1	15-AUG-2010 17:25:56	Straylight	49.000	31	Alp Gru	1.7340	15200.	98	44226	No
229	GOM_NL__2PRFIN20100815_172952_000000572092_00084_44226_5230.N1	15-AUG-2010 17:29:52	Twi_and_stray	56.500	18	24Alp PsA	1.1660	9700.0	113	44226	No
230	GOM_NL__2PRFIN20100815_173535_000000462092_00084_44226_5231.N1	15-AUG-2010 17:35:35	Bright	46.000	142	49Del Cap	2.8500	8900.0	92	44226	No
231	GOM_NL__2PRFIN20100815_173905_000000432092_00084_44226_5232.N1	15-AUG-2010 17:39:05	Bright	43.000	154	22Bet Aqr	2.8990	5700.0	86	44226	No
232	GOM_NL__2PRFIN20100815_174109_000000512092_00084_44226_5233.N1	15-AUG-2010 17:41:09	Bright	50.500	162	34Alp Aqr	2.9440	5350.0	101	44226	No
233	GOM_NL__2PRFIN20100815_174421_000000462092_00084_44226_5234.N1	15-AUG-2010 17:44:21	Bright	45.500	61	8Eps Peg	2.1000	3900.0	91	44226	No
234	GOM_NL__2PRFIN20100815_175049_000000422092_00084_44226_5235.N1	15-AUG-2010 17:50:49	Bright	41.500	92	53Eps Cyg	2.5000	4500.0	83	44226	No
235	GOM_NL__2PRFIN20100815_175223_000000392092_00084_44226_5236.N1	15-AUG-2010 17:52:23	Bright	39.000	66	37Gam Cyg	2.2080	5900.0	78	44226	No
236	GOM_NL__2PRFIN20100815_175401_000000372092_00084_44226_5237.N1	15-AUG-2010 17:54:01	Bright	37.000	19	50Alp Cyg	1.2460	10500.	74	44226	No
237	GOM_NL__2PRFIN20100815_175923_000000392092_00084_44226_5238.N1	15-AUG-2010 17:59:23	Bright	38.500	89	5Alp Cep	2.4510	8000.0	77	44226	No
238	GOM_NL__2PRFIN20100815_181859_000000472092_00084_44226_5239.N1	15-AUG-2010 18:18:59	Bright	46.500	6	13Alp Aur	0.080000	3400.0	93	44226	No
239	GOM_NL__2PRFIN20100815_182151_000000412092_00084_44226_5240.N1	15-AUG-2010 18:21:51	Bright	40.500	107	37The Aur	2.6490	11000.	81	44226	No
240	GOM_NL__2PRFIN20100815_182456_000000522092_00084_44226_5241.N1	15-AUG-2010 18:24:56	Twi_and_stray	51.500	28	12Bet Tau	1.6500	15200.	103	44226	No
241	GOM_NL__2PRFIN20100815_182743_000000442092_00084_44226_5242.N1	15-AUG-2010 18:27:43	Twi_and_stray	44.000	44	24Gam Gem	1.9280	11000.	88	44226	No
242	GOM_NL__2PRFIN20100815_183113_000000532092_00084_44226_5243.N1	15-AUG-2010 18:31:13	Dark	52.500	14	58Alp Ori	0.87000	3000.0	105	44226	No
243	GOM_NL__2PRFIN20100815_183422_000000492092_00084_44226_5244.N1	15-AUG-2010 18:34:22	Dark	49.000	30	46Eps Ori	1.6940	30000.	98	44226	No
244	GOM_NL__2PRFIN20100815_183547_000000442092_00084_44226_5245.N1	15-AUG-2010 18:35:47	Dark	44.000	125	44Iot Ori	2.7700	30000.	88	44226	No
245	GOM_NL__2PRFIN20100815_183720_000000552092_00084_44226_5246.N1	15-AUG-2010 18:37:20	Dark	55.000	7	19Bet Ori	0.10000	14000.	110	44226	No
246	GOM_NL__2PRFIN20100815_183913_000000472092_00084_44226_5247.N1	15-AUG-2010 18:39:13	Dark	46.500	101	11Alp Lep	2.5820	7000.0	93	44226	No
247	GOM_NL__2PRFIN20100815_185300_000000532092_00085_44227_5247.N1	15-AUG-2010 18:53:00	Dark	53.000	157	The1Eri	2.9060	9300.0	106	44227	No
248	GOM_NL__2PRFIN20100815_185711_000000462092_00085_44227_5248.N1	15-AUG-2010 18:57:11	Dark	46.000	9	Alp Eri	0.45300	24000.	92	44227	No
249	GOM_NL__2PRFIN20100815_190254_000000622092_00085_44227_5249.N1	15-AUG-2010 19:02:54	Straylight	61.500	84	Alp Phe	2.3970	4500.0	123	44227	No
250	GOM_NL__2PRFIN20100815_190632_000000482092_00085_44227_5250.N1	15-AUG-2010 19:06:32	Straylight	47.500	31	Alp Gru	1.7340	15200.	95	44227	No
251	GOM_NL__2PRFIN20100815_191029_000000562092_00085_44227_5251.N1	15-AUG-2010 19:10:29	Twi_and_stray	55.500	18	24Alp PsA	1.1660	9700.0	111	44227	No
252	GOM_NL__2PRFIN20100815_191611_000000452092_00085_44227_5252.N1	15-AUG-2010 19:16:11	Bright	45.000	142	49Del Cap	2.8500	8900.0	90	44227	No
253	GOM_NL__2PRFIN20100815_191940_000000432092_00085_44227_5253.N1	15-AUG-2010 19:19:40	Bright	43.000	154	22Bet Aqr	2.8990	5700.0	86	44227	No
254	GOM_NL__2PRFIN20100815_192145_000000492092_00085_44227_5254.N1	15-AUG-2010 19:21:45	Bright	49.000	162	34Alp Aqr	2.9440	5350.0	98	44227	No
255	GOM_NL__2PRFIN20100815_192457_000000442092_00085_44227_5255.N1	15-AUG-2010 19:24:57	Bright	44.000	61	8Eps Peg	2.1000	3900.0	88	44227	No
256	GOM_NL__2PRFIN20100815_193124_000000392092_00085_44227_5256.N1	15-AUG-2010 19:31:24	Bright	39.000	92	53Eps Cyg	2.5000	4500.0	78	44227	No
257	GOM_NL__2PRFIN20100815_193259_000000362092_00085_44227_5257.N1	15-AUG-2010 19:32:59	Bright	36.000	66	37Gam Cyg	2.2080	5900.0	72	44227	No
258	GOM_NL__2PRFIN20100815_193437_000000402092_00085_44227_5258.N1	15-AUG-2010 19:34:37	Bright	39.500	19	50Alp Cyg	1.2460	10500.	79	44227	No
259	GOM_NL__2PRFIN20100815_193958_000000392092_00085_44227_5259.N1	15-AUG-2010 19:39:58	Bright	39.000	89	5Alp Cep	2.4510	8000.0	78	44227	No
260	GOM_NL__2PRFIN20100815_195934_000000522092_00085_44227_5260.N1	15-AUG-2010 19:59:34	Bright	51.500	6	13Alp Aur	0.080000	3400.0	103	44227	No
261	GOM_NL__2PRFIN20100815_200227_000000372092_00085_44227_5261.N1	15-AUG-2010 20:02:27	Bright	37.000	107	37The Aur	2.6490	11000.	74	44227	No
262	GOM_NL__2PRFIN20100815_200532_000000532092_00085_44227_5262.N1	15-AUG-2010 20:05:32	Twi_and_stray	52.500	28	12Bet Tau	1.6500	15200.	105	44227	No
263	GOM_NL__2PRFIN20100815_200820_000000422092_00085_44227_5263.N1	15-AUG-2010 20:08:20	Twi_and_stray	42.000	44	24Gam Gem	1.9280	11000.	84	44227	No
264	GOM_NL__2PRFIN20100815_201149_000000522092_00085_44227_5264.N1	15-AUG-2010 20:11:49	Dark	51.500	14	58Alp Ori	0.87000	3000.0	103	44227	No
265	GOM_NL__2PRFIN20100815_201459_000000502092_00085_44227_5265.N1	15-AUG-2010 20:14:59	Dark	50.000	30	46Eps Ori	1.6940	30000.	100	44227	No
266	GOM_NL__2PRFIN20100815_201624_000000452092_00085_44227_5266.N1	15-AUG-2010 20:16:24	Dark	44.500	125	44Iot Ori	2.7700	30000.	89	44227	No
267	GOM_NL__2PRFIN20100815_201757_000000542092_00085_44227_5267.N1	15-AUG-2010 20:17:57	Dark	54.000	7	19Bet Ori	0.10000	14000.	108	44227	No
268	GOM_NL__2PRFIN20100815_201950_000000462092_00085_44227_5268.N1	15-AUG-2010 20:19:50	Dark	45.500	101	11Alp Lep	2.5820	7000.0	91	44227	No
269	GOM_NL__2PRFIN20100815_203337_000000502092_00086_44228_5261.N1	15-AUG-2010 20:33:37	Dark	49.500	157	The1Eri	2.9060	9300.0	99	44228	No
270	GOM_NL__2PRFIN20100815_203747_000000482092_00086_44228_5262.N1	15-AUG-2010 20:37:47	Dark	48.000	9	Alp Eri	0.45300	24000.	96	44228	No
271	GOM_NL__2PRFIN20100815_204330_000000622092_00086_44228_5263.N1	15-AUG-2010 20:43:30	Straylight	61.500	84	Alp Phe	2.3970	4500.0	123	44228	No
272	GOM_NL__2PRFIN20100815_204708_000000452092_00086_44228_5264.N1	15-AUG-2010 20:47:08	Straylight	44.500	31	Alp Gru	1.7340	15200.	89	44228	No
273	GOM_NL__2PRFIN20100815_205105_000000542092_00086_44228_5265.N1	15-AUG-2010 20:51:05	Twi_and_stray	53.500	18	24Alp PsA	1.1660	9700.0	107	44228	No
274	GOM_NL__2PRFIN20100815_205647_000000442092_00086_44228_5266.N1	15-AUG-2010 20:56:47	Bright	44.000	142	49Del Cap	2.8500	8900.0	88	44228	No
275	GOM_NL__2PRFIN20100815_210016_000000422092_00086_44228_5267.N1	15-AUG-2010 21:00:16	Bright	42.000	154	22Bet Aqr	2.8990	5700.0	84	44228	No
276	GOM_NL__2PRFIN20100815_210221_000000492092_00086_44228_5268.N1	15-AUG-2010 21:02:21	Bright	49.000	162	34Alp Aqr	2.9440	5350.0	98	44228	No
277	GOM_NL__2PRFIN20100815_210532_000000492092_00086_44228_5269.N1	15-AUG-2010 21:05:32	Bright	48.500	61	8Eps Peg	2.1000	3900.0	97	44228	No
278	GOM_NL__2PRFIN20100815_211200_000000372092_00086_44228_5270.N1	15-AUG-2010 21:12:00	Bright	36.500	92	53Eps Cyg	2.5000	4500.0	73	44228	No

279	GOM_NL__2PRFIN20100815_211335_000000352092_00086_44228_5271.N1	15-AUG-2010 21:13:35	Bright	35.000	66	37Gam Cyg	2.2080	5900.0	70	44228	No
280	GOM_NL__2PRFIN20100815_211513_000000372092_00086_44228_5272.N1	15-AUG-2010 21:15:13	Bright	37.000	19	50Alp Cyg	1.2460	10500.	74	44228	No
281	GOM_NL__2PRFIN20100815_212034_000000382092_00086_44228_5273.N1	15-AUG-2010 21:20:34	Bright	37.500	89	5Alp Cep	2.4510	8000.0	75	44228	No
282	GOM_NL__2PRFIN20100815_214010_000000592092_00086_44228_5274.N1	15-AUG-2010 21:40:10	Bright	59.000	6	13Alp Aur	0.080000	3400.0	118	44228	No
283	GOM_NL__2PRFIN20100815_214303_000000402092_00086_44228_5275.N1	15-AUG-2010 21:43:03	Bright	39.500	107	37The Aur	2.6490	11000.	79	44228	No
284	GOM_NL__2PRFIN20100815_214608_000000522092_00086_44228_5276.N1	15-AUG-2010 21:46:08	Twilight	52.000	28	12Bet Tau	1.6500	15200.	104	44228	No
285	GOM_NL__2PRFIN20100815_214856_000000432092_00086_44228_5277.N1	15-AUG-2010 21:48:56	Twilight	42.500	44	24Gam Gem	1.9280	11000.	85	44228	No
286	GOM_NL__2PRFIN20100815_215225_000000592092_00086_44228_5278.N1	15-AUG-2010 21:52:25	Dark	59.000	14	58Alp Ori	0.87000	3000.0	118	44228	No
287	GOM_NL__2PRFIN20100815_215535_000000482092_00086_44228_5279.N1	15-AUG-2010 21:55:35	Dark	47.500	30	46Eps Ori	1.6940	30000.	95	44228	No
288	GOM_NL__2PRFIN20100815_215700_000000472092_00086_44228_5280.N1	15-AUG-2010 21:57:00	Dark	47.000	125	44lot Ori	2.7700	30000.	94	44228	No
289	GOM_NL__2PRFIN20100815_215833_000000552092_00086_44228_5281.N1	15-AUG-2010 21:58:33	Dark	55.000	7	19Bet Ori	0.10000	14000.	110	44228	No
290	GOM_NL__2PRFIN20100815_220026_000000472092_00086_44228_5282.N1	15-AUG-2010 22:00:26	Dark	46.500	101	11Alp Lep	2.5820	7000.0	93	44228	No
291	GOM_NL__2PRFIN20100815_221414_000000512092_00087_44229_5272.N1	15-AUG-2010 22:14:14	Dark	50.500	157	The1Eri	2.9060	9300.0	101	44229	No
292	GOM_NL__2PRFIN20100815_221824_000000472092_00087_44229_5273.N1	15-AUG-2010 22:18:24	Dark	46.500	9	Alp Eri	0.45300	24000.	93	44229	No
293	GOM_NL__2PRFIN20100815_222407_000000522092_00087_44229_5274.N1	15-AUG-2010 22:24:07	Straylight	51.500	84	Alp Phe	2.3970	4500.0	103	44229	No
294	GOM_NL__2PRFIN20100815_222745_000000422092_00087_44229_5275.N1	15-AUG-2010 22:27:45	Straylight	41.500	31	Alp Gru	1.7340	15200.	83	44229	No
295	GOM_NL__2PRFIN20100815_223141_000000552092_00087_44229_5276.N1	15-AUG-2010 22:31:41	Twilight	55.000	18	24Alp PsA	1.1660	9700.0	110	44229	No
296	GOM_NL__2PRFIN20100815_223723_000000452092_00087_44229_5277.N1	15-AUG-2010 22:37:23	Bright	44.500	142	49Del Cap	2.8500	8900.0	89	44229	No
297	GOM_NL__2PRFIN20100815_224052_000000432092_00087_44229_5278.N1	15-AUG-2010 22:40:52	Bright	42.500	154	22Bet Aqr	2.8990	5700.0	85	44229	No
298	GOM_NL__2PRFIN20100815_224256_000000502092_00087_44229_5279.N1	15-AUG-2010 22:42:56	Bright	50.000	162	34Alp Aqr	2.9440	5350.0	100	44229	No
299	GOM_NL__2PRFIN20100815_224608_000000452092_00087_44229_5280.N1	15-AUG-2010 22:46:08	Bright	45.000	61	8Eps Peg	2.1000	3900.0	90	44229	No
300	GOM_NL__2PRFIN20100815_225236_000000412092_00087_44229_5281.N1	15-AUG-2010 22:52:36	Bright	40.500	92	53Eps Cyg	2.5000	4500.0	81	44229	No
301	GOM_NL__2PRFIN20100815_225411_000000392092_00087_44229_5282.N1	15-AUG-2010 22:54:11	Bright	39.000	66	37Gam Cyg	2.2080	5900.0	78	44229	No
302	GOM_NL__2PRFIN20100815_225548_000000392092_00087_44229_5283.N1	15-AUG-2010 22:55:48	Bright	39.000	19	50Alp Cyg	1.2460	10500.	78	44229	No
303	GOM_NL__2PRFIN20100815_230110_000000402092_00087_44229_5284.N1	15-AUG-2010 23:01:10	Bright	39.500	89	5Alp Cep	2.4510	8000.0	79	44229	No
304	GOM_NL__2PRFIN20100815_232046_000000622092_00087_44229_5285.N1	15-AUG-2010 23:20:46	Bright	62.000	6	13Alp Aur	0.080000	3400.0	124	44229	No
305	GOM_NL__2PRFIN20100815_232339_000000402092_00087_44229_5286.N1	15-AUG-2010 23:23:39	Bright	40.000	107	37The Aur	2.6490	11000.	80	44229	No
306	GOM_NL__2PRFIN20100815_232644_000000512092_00087_44229_5287.N1	15-AUG-2010 23:26:44	Twilight	50.500	28	12Bet Tau	1.6500	15200.	101	44229	No
307	GOM_NL__2PRFIN20100815_232932_000000462092_00087_44229_5288.N1	15-AUG-2010 23:29:32	Twilight	45.500	44	24Gam Gem	1.9280	11000.	91	44229	No
308	GOM_NL__2PRFIN20100815_233302_000000432092_00087_44229_5289.N1	15-AUG-2010 23:33:02	Dark	43.000	14	58Alp Ori	0.87000	3000.0	86	44229	No
309	GOM_NL__2PRFIN20100815_233612_000000502092_00087_44229_5290.N1	15-AUG-2010 23:36:12	Dark	49.500	30	46Eps Ori	1.6940	30000.	99	44229	No
310	GOM_NL__2PRFIN20100815_233737_000000462092_00087_44229_5291.N1	15-AUG-2010 23:37:37	Dark	45.500	125	44lot Ori	2.7700	30000.	91	44229	No
311	GOM_NL__2PRFIN20100815_233910_000000552092_00087_44229_5292.N1	15-AUG-2010 23:39:10	Dark	55.000	7	19Bet Ori	0.10000	14000.	110	44229	No
312	GOM_NL__2PRFIN20100815_234103_000000432092_00087_44229_5293.N1	15-AUG-2010 23:41:03	Dark	42.500	101	11Alp Lep	2.5820	7000.0	85	44229	No
313	GOM_NL__2PRFIN20100815_235451_000000502092_00088_44230_5285.N1	15-AUG-2010 23:54:51	Dark	49.500	157	The1Eri	2.9060	9300.0	99	44230	No
314	GOM_NL__2PRFIN20100815_235900_000000472092_00088_44230_5286.N1	15-AUG-2010 23:59:00	Dark	46.500	9	Alp Eri	0.45300	24000.	93	44230	No

### 3. Quality information per product

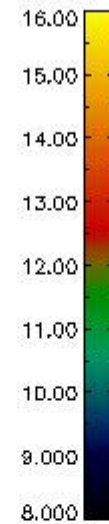
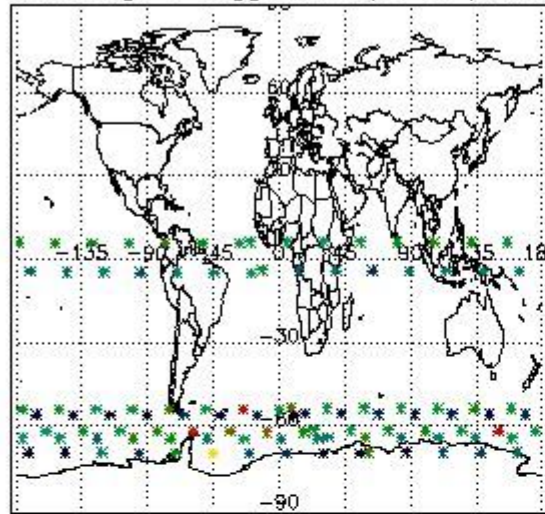
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

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

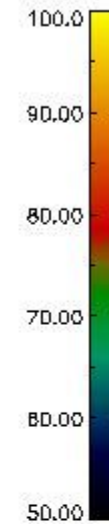
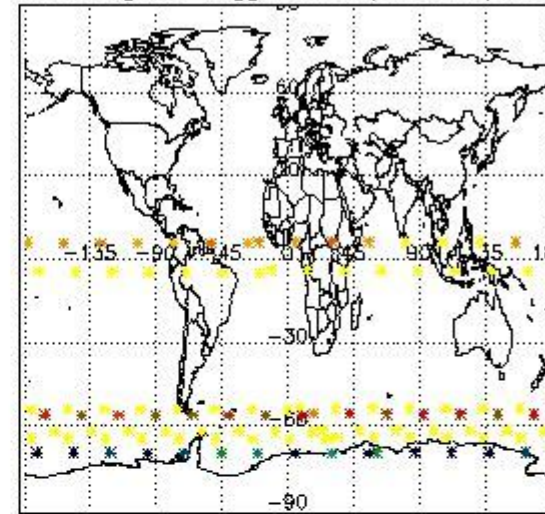


*3.2 Plot quality information per product (world map)*

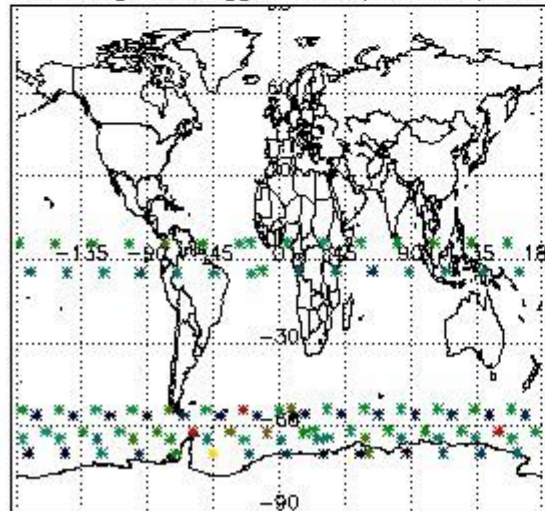
Percentage of flagged data per O3 profile



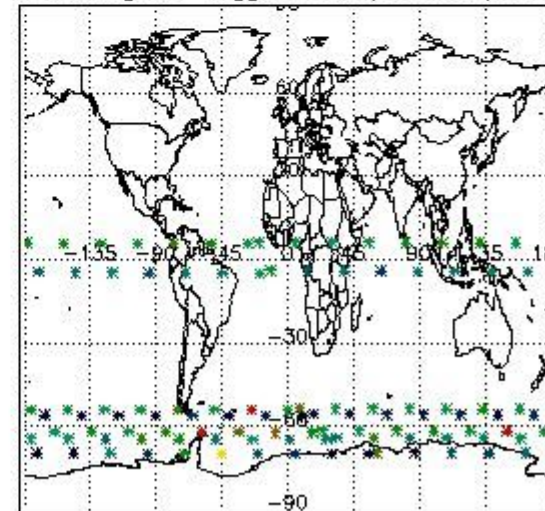
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

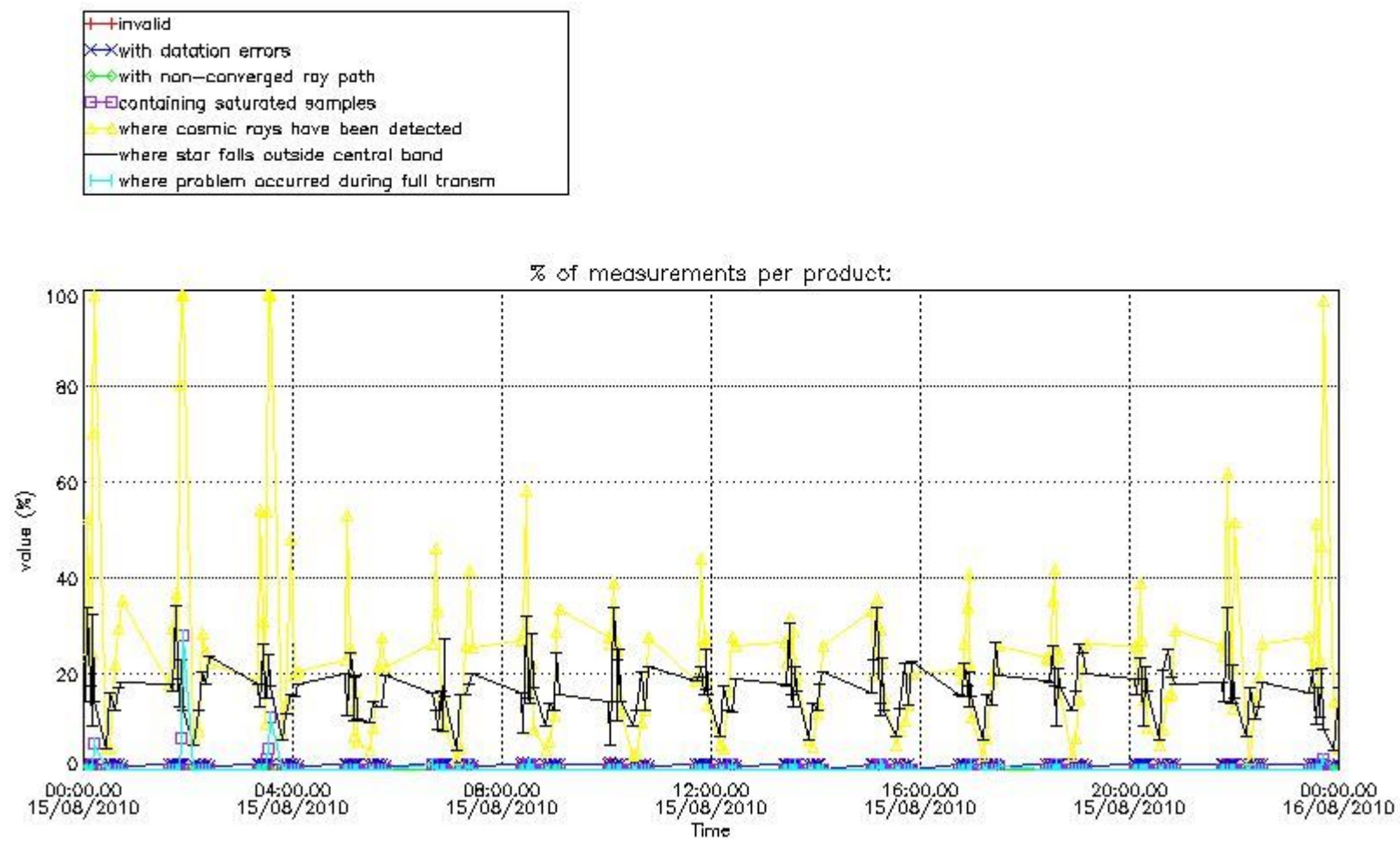


#### 4. Level 1 quality information per product

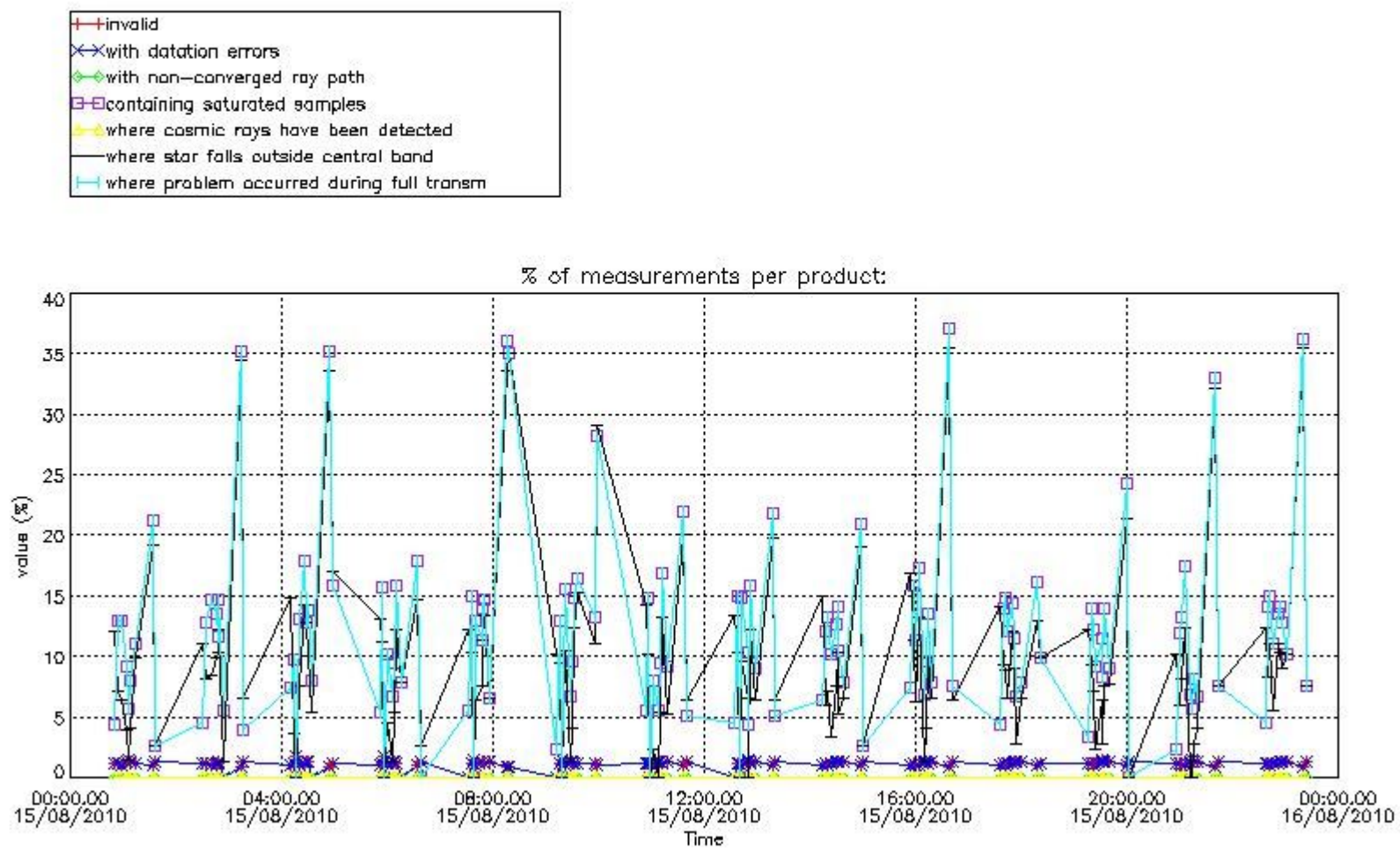
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

##### 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

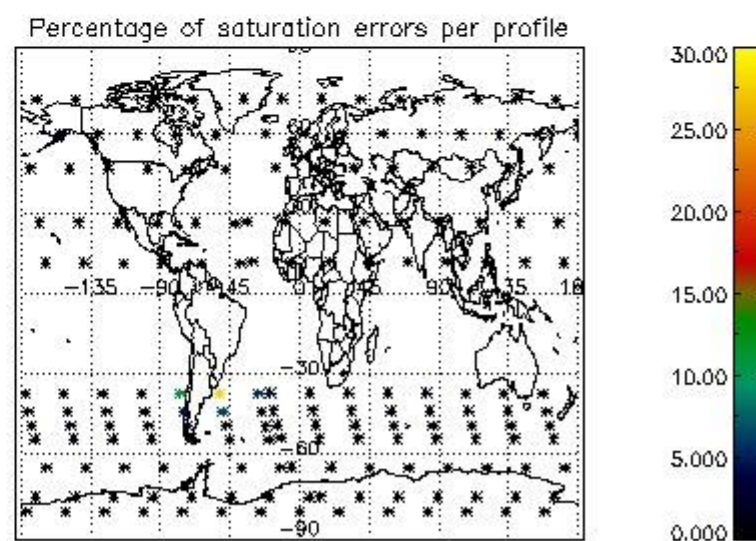
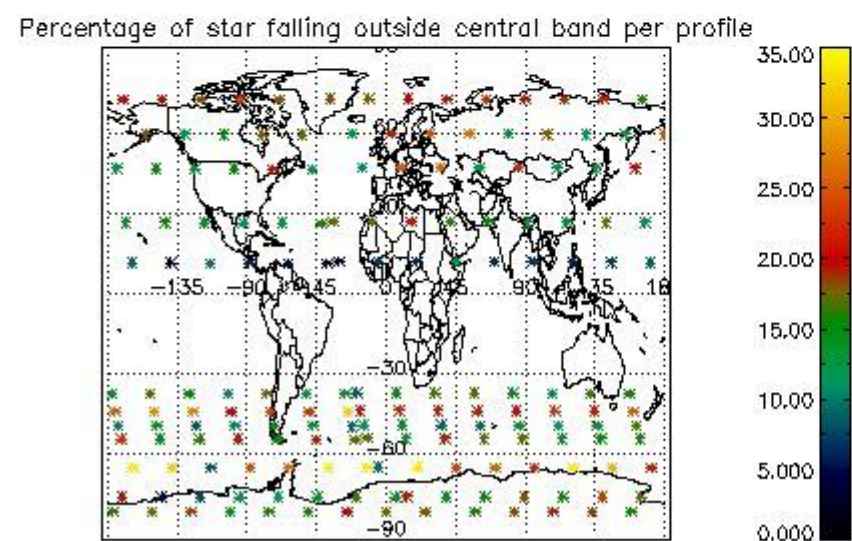
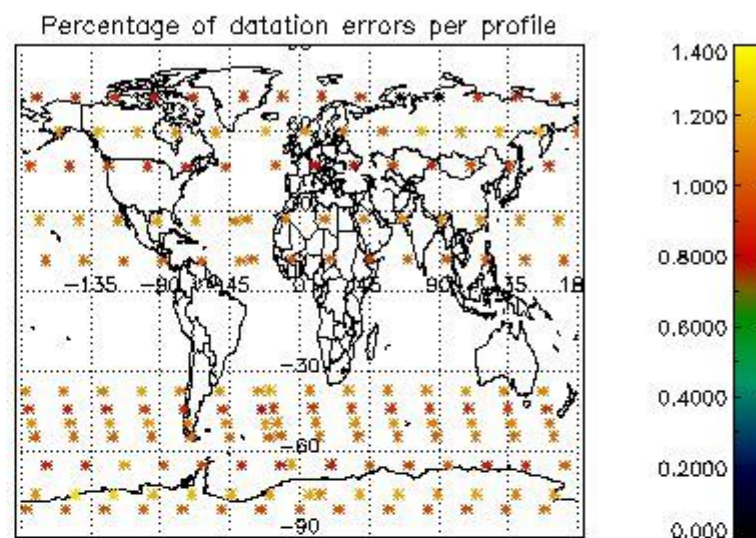
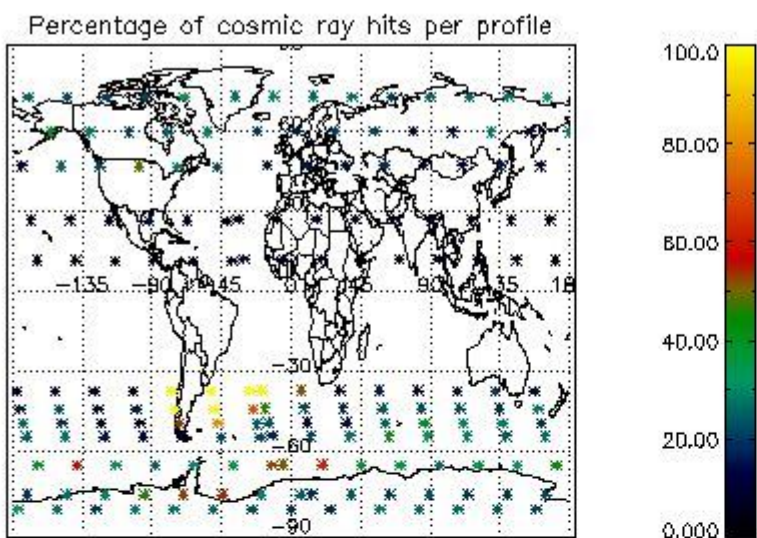


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



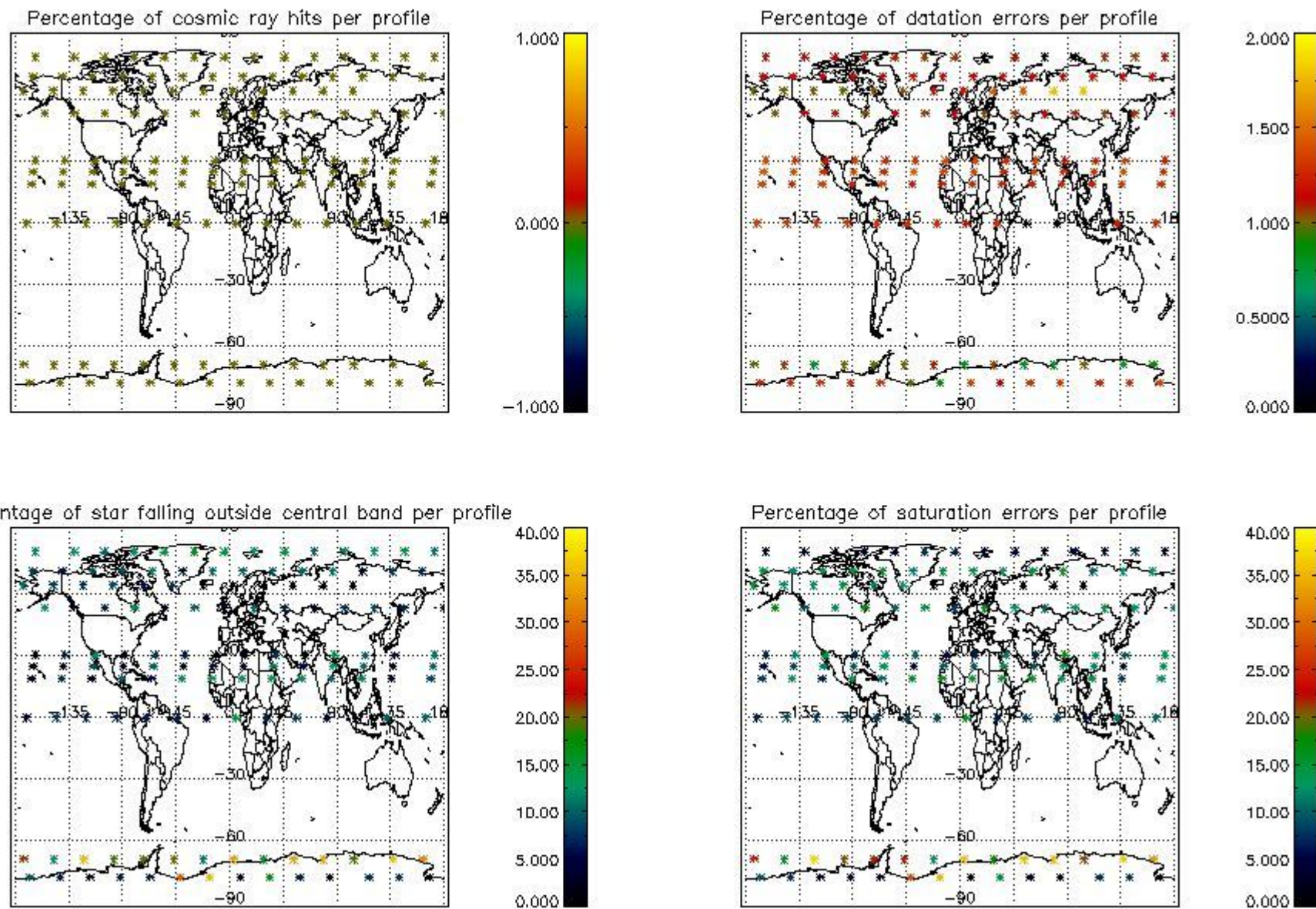
4.2 Plot quality information per product coming from level 1b processing (world map)

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

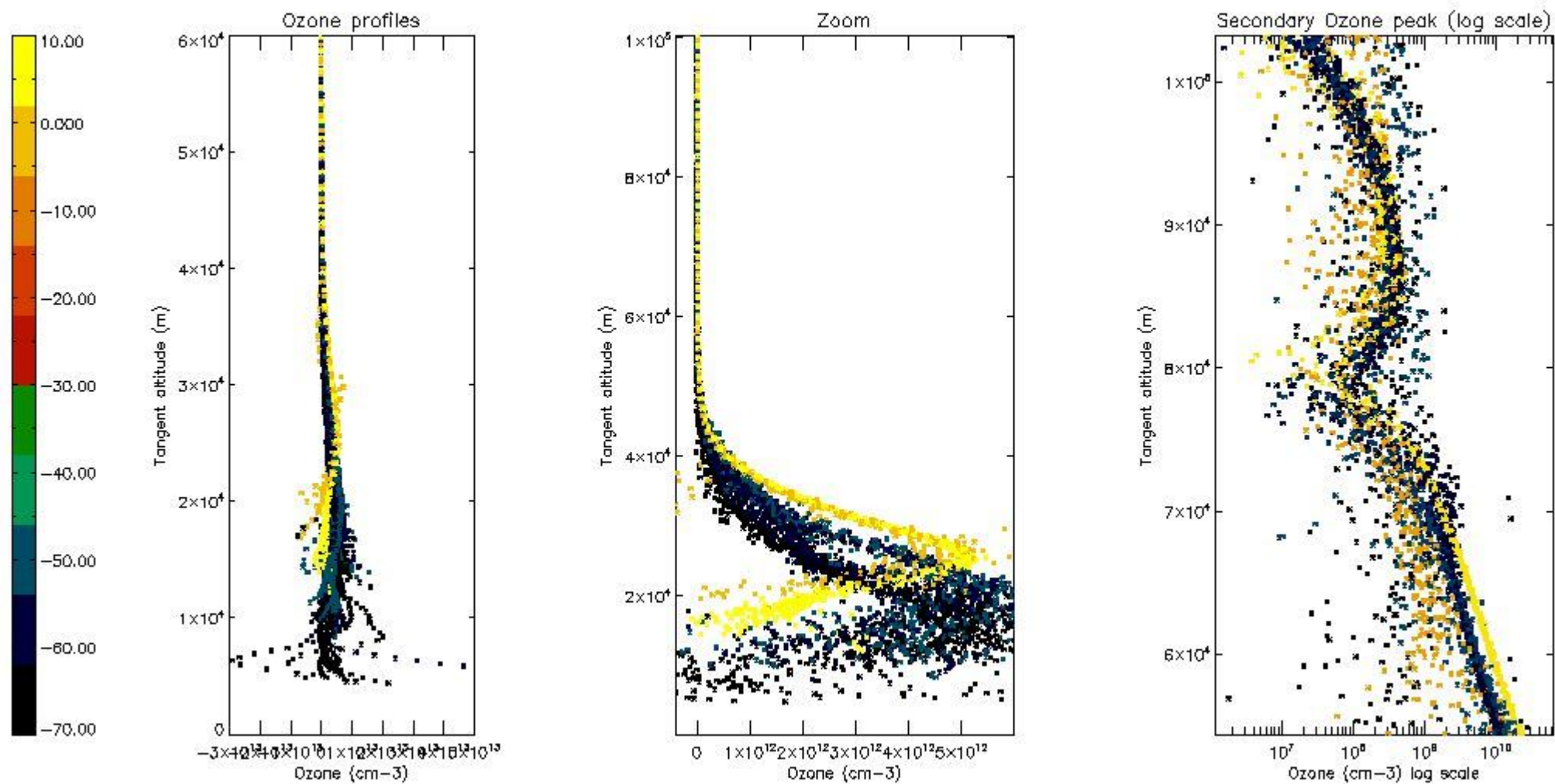
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	36
STD < 20	20

STD < 10	16
STD < 5	11

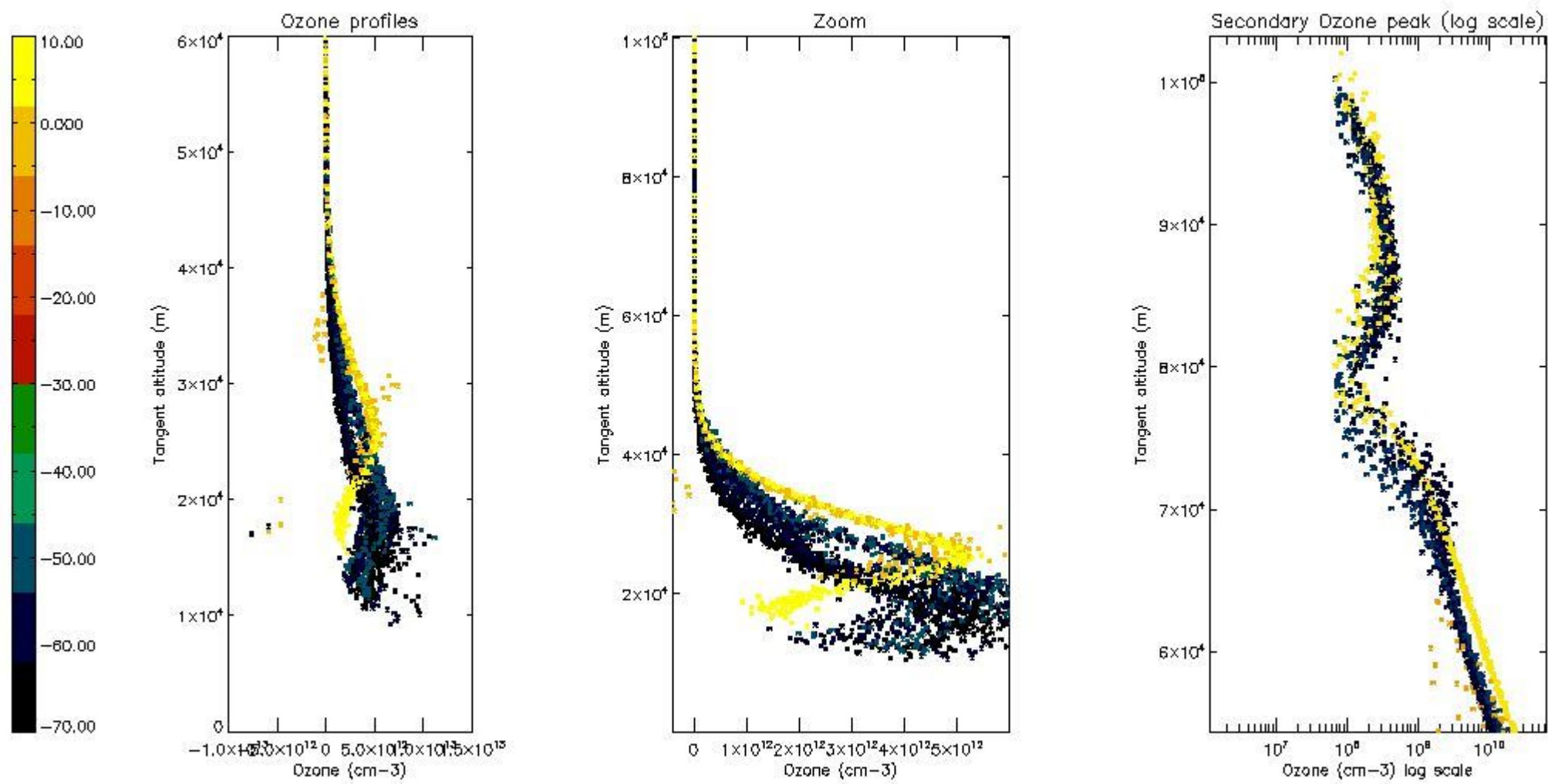
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



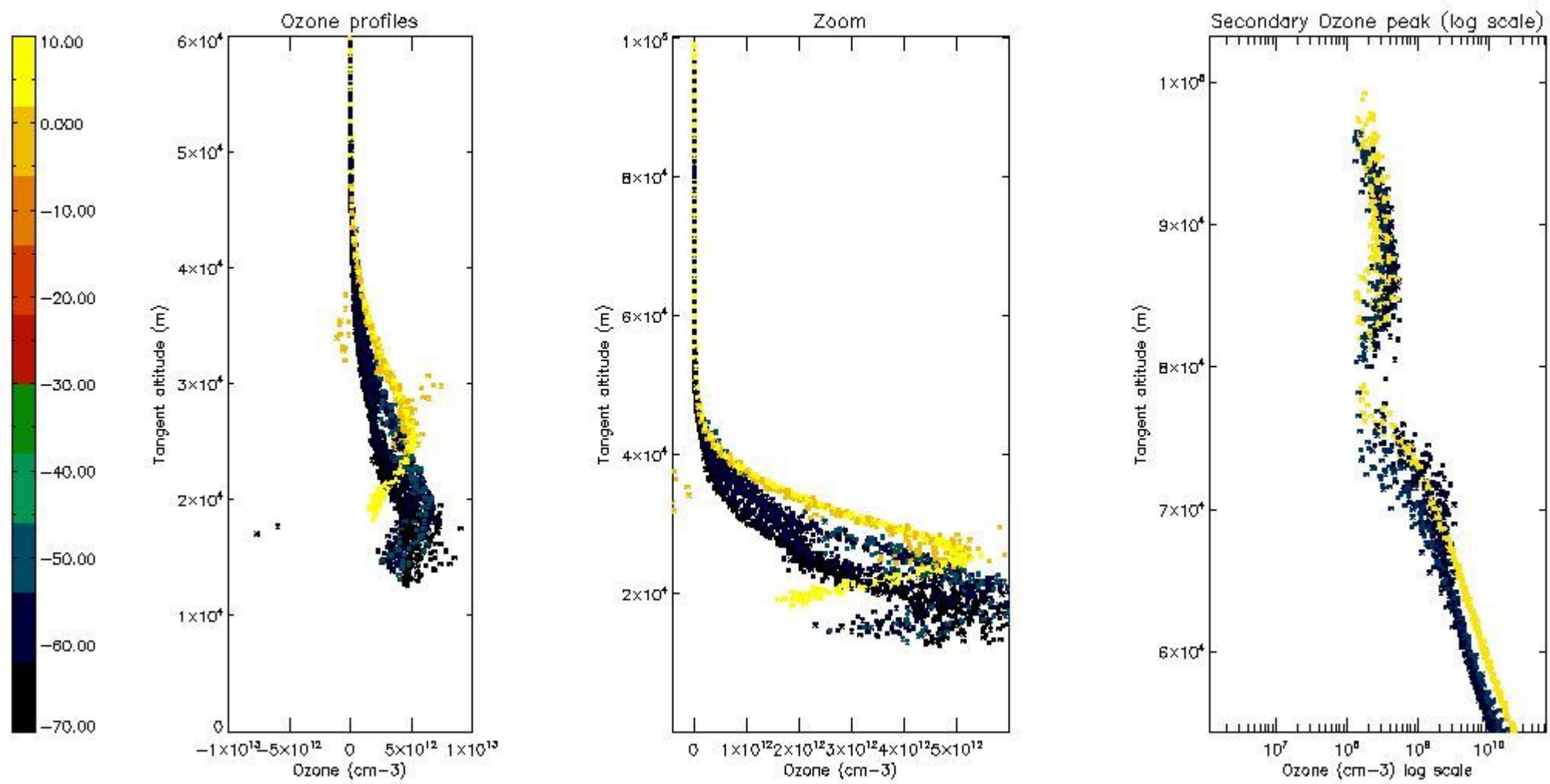
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



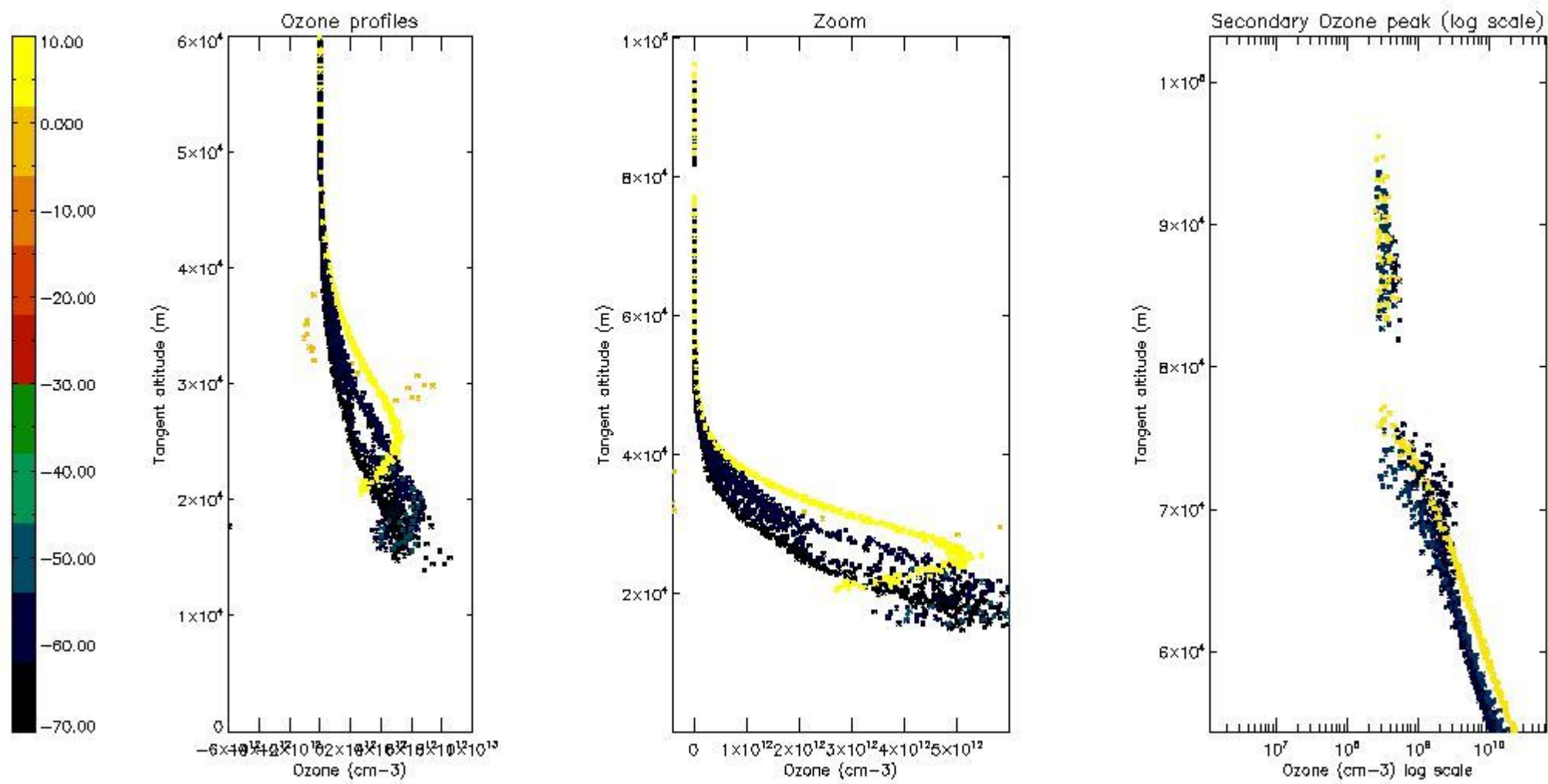
*5.4 Plot ozone profiles where STD < 10% (dark without errors)*

The colorbar represents the latitude.



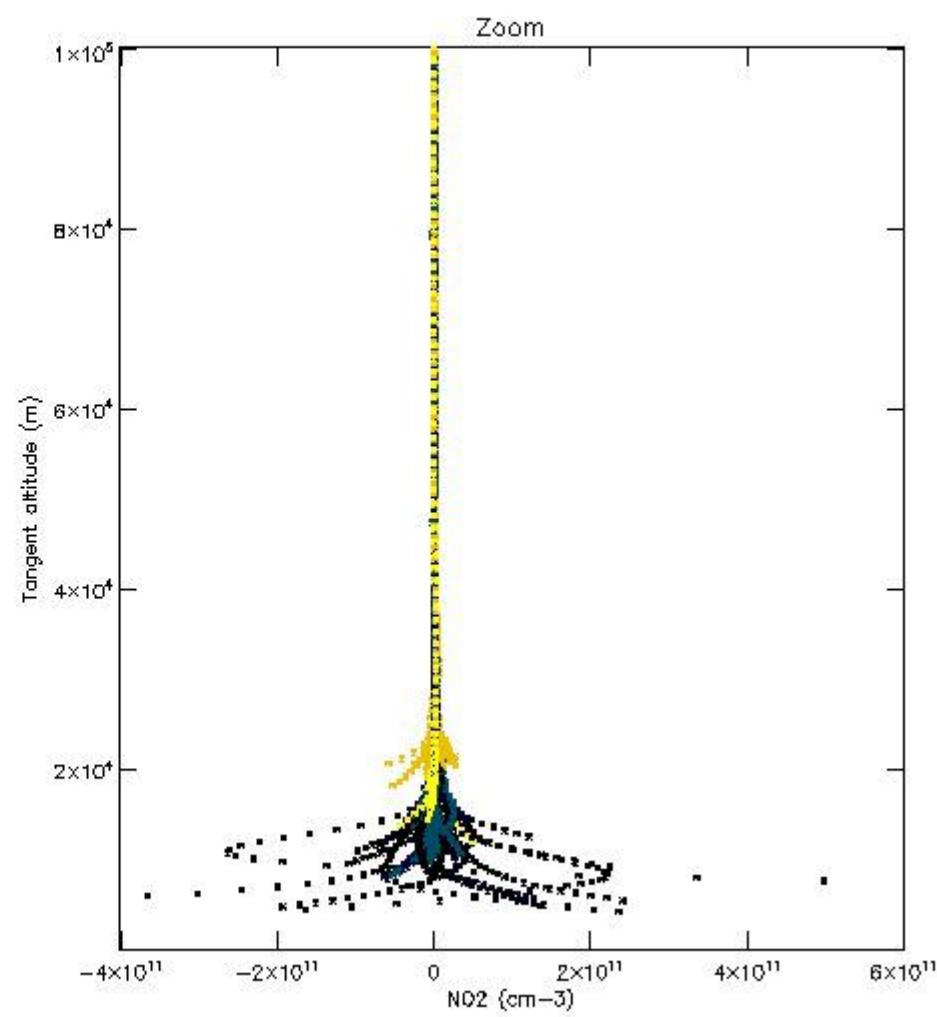
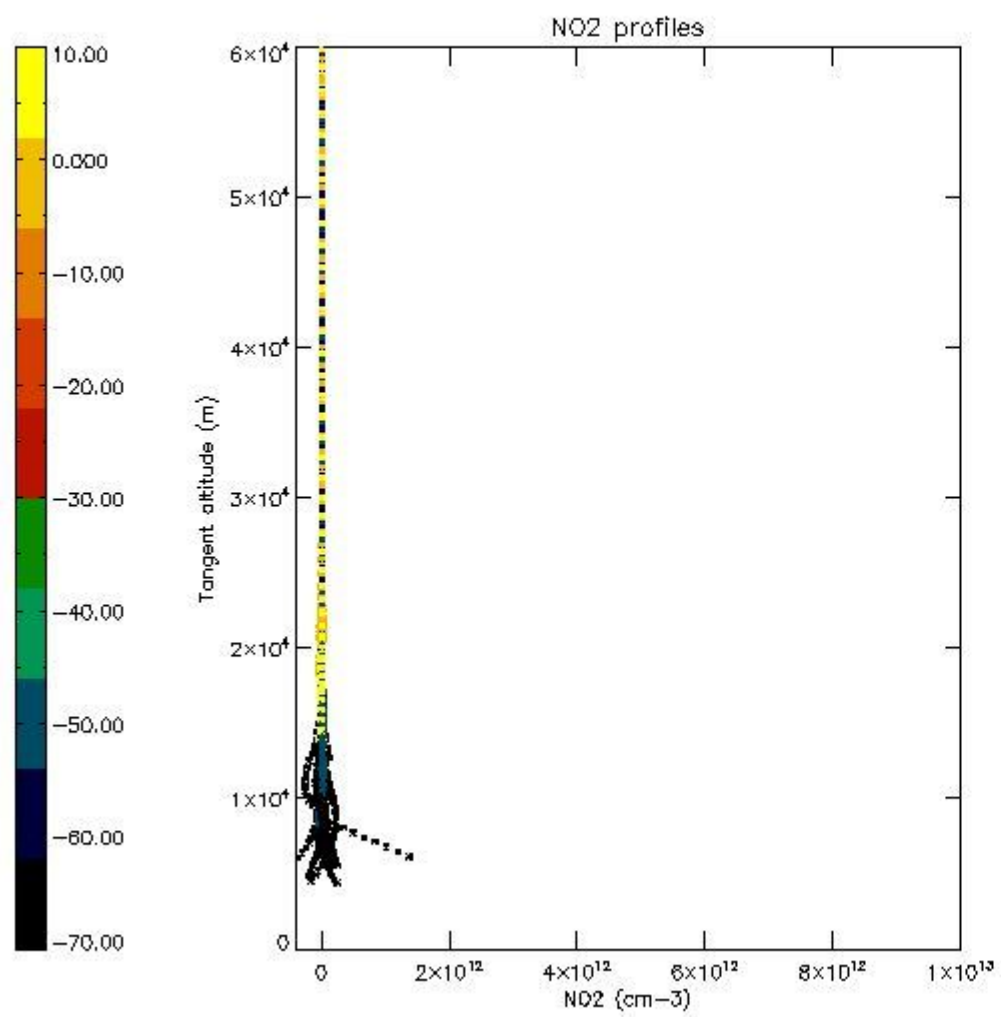
*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

The colorbar represents the latitude.



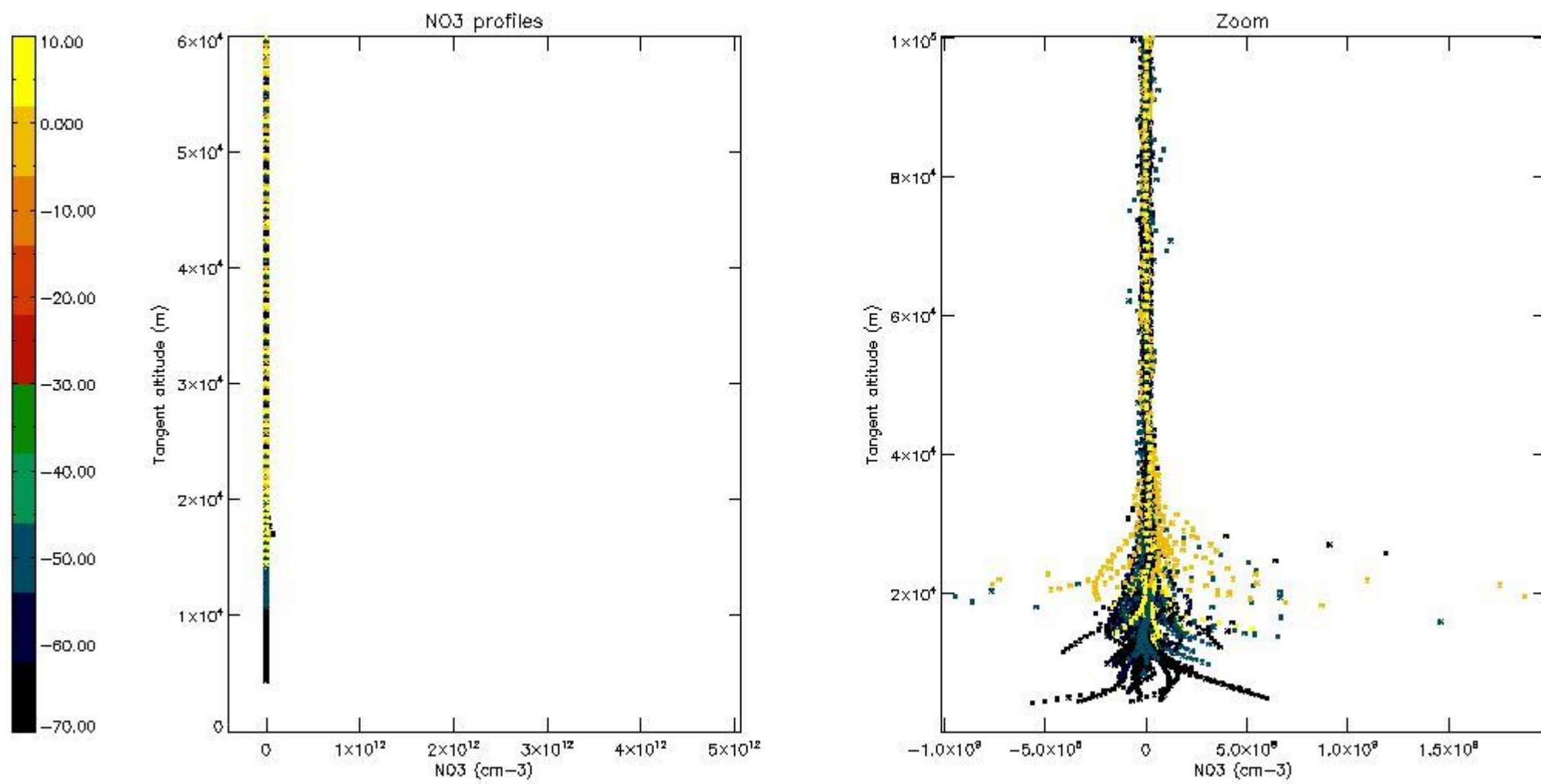
*5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)*

The colorbar represents the latitude.



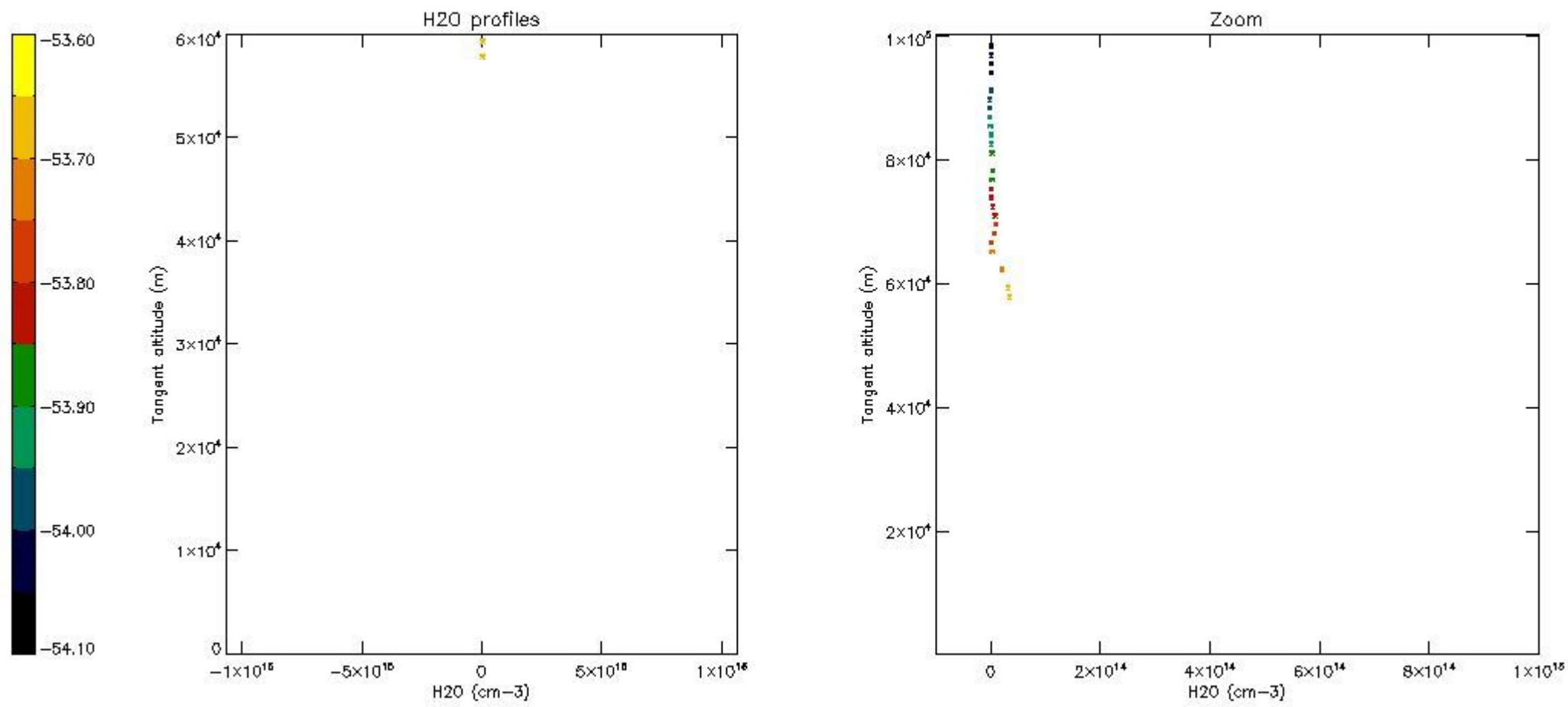
*5.7 Plot NO3 profiles for all STD (dark without errors)*

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.

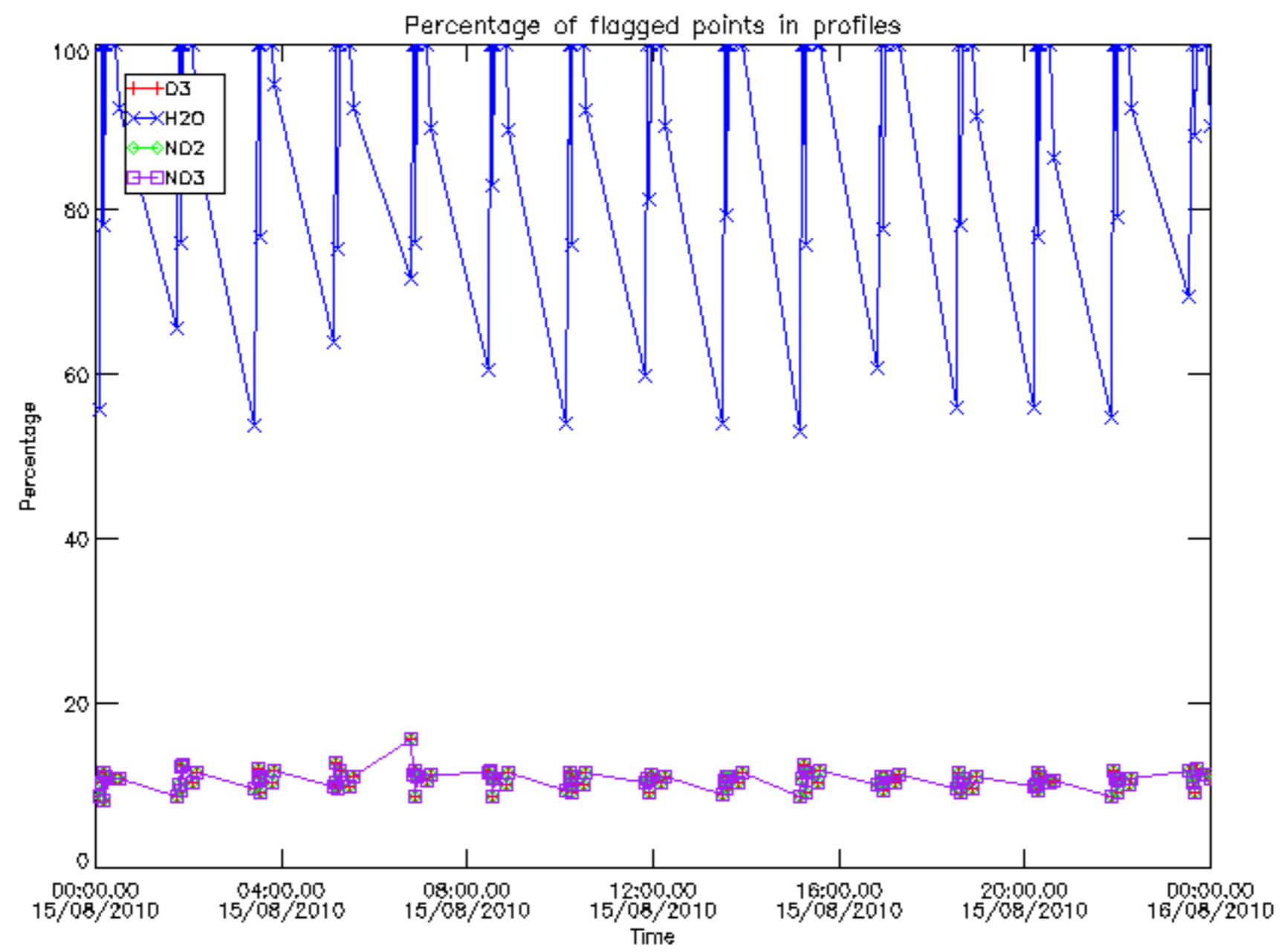


## 6. Auxiliary Data Files used for the production reported in section 2

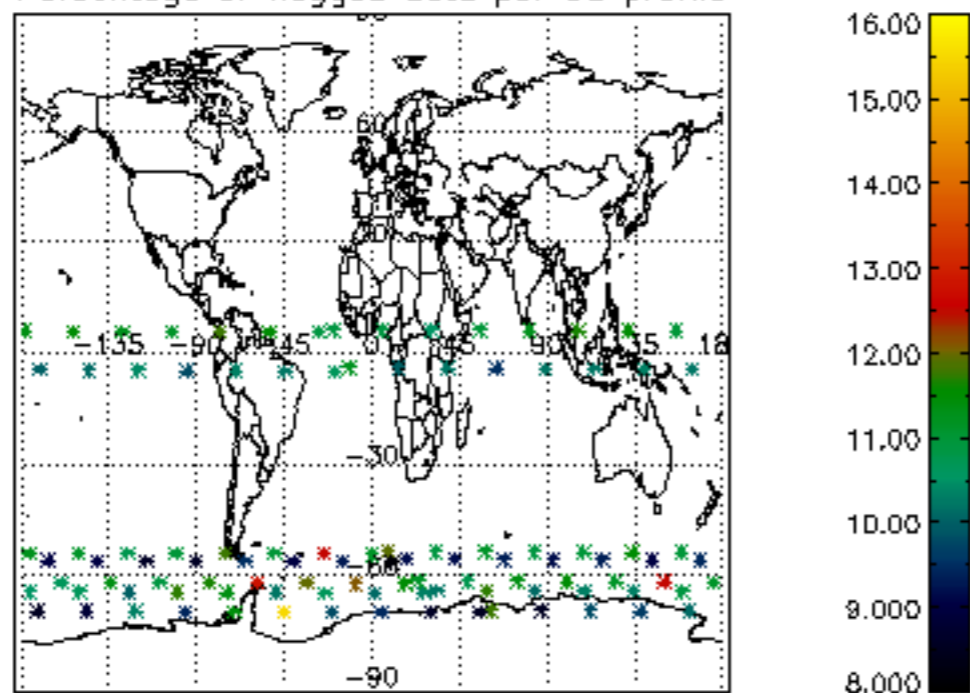
The number reported in the third column indicates since which file (see list in section 2) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	15-AUG-2010 00:01:05
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	15-AUG-2010 00:01:05
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	15-AUG-2010 00:01:05

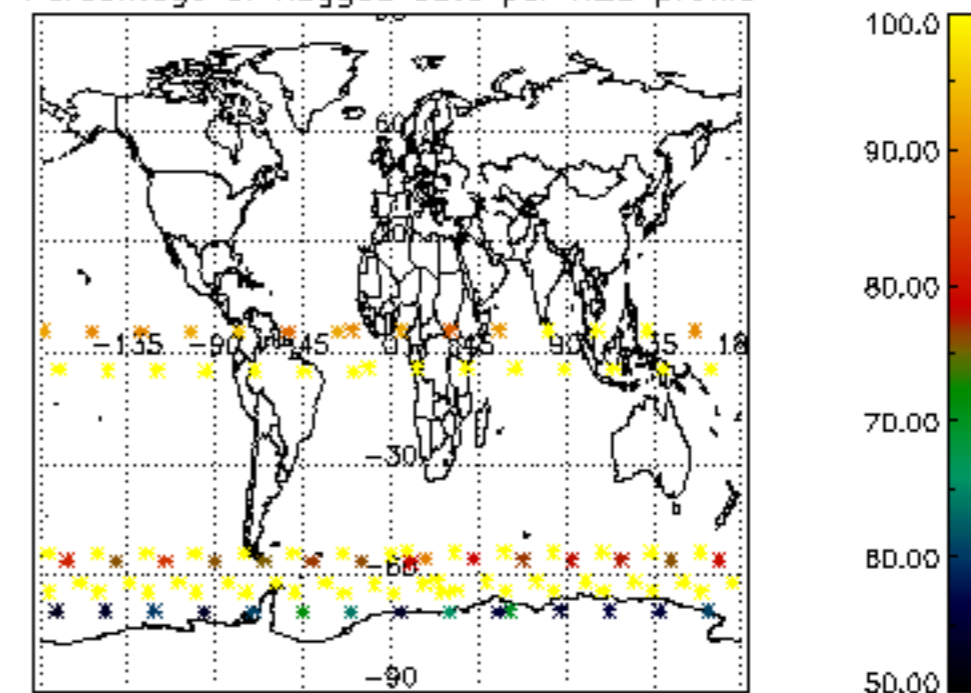




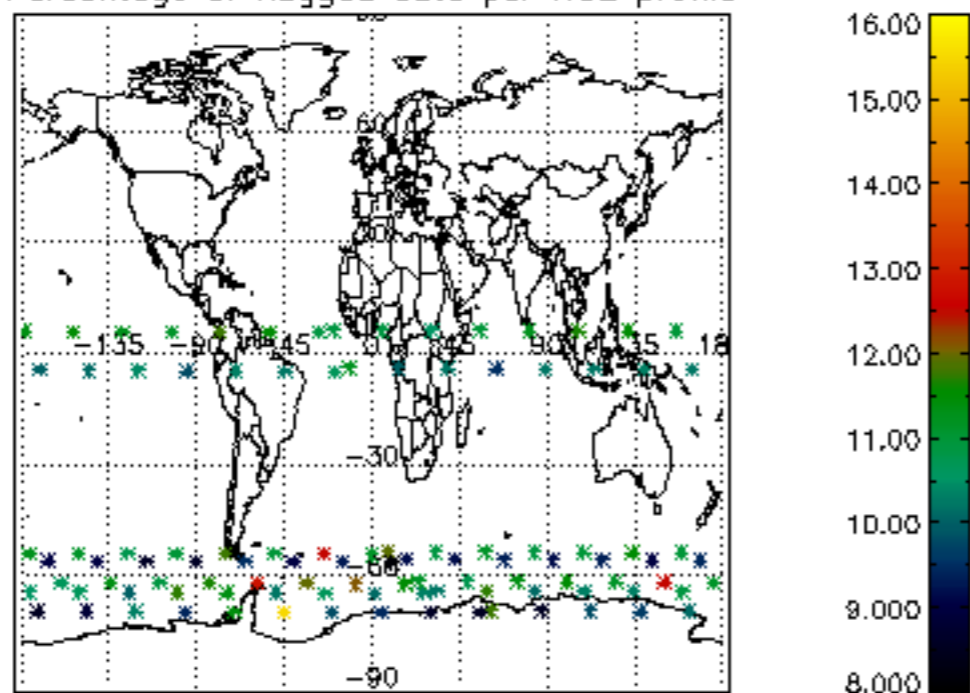
Percentage of flagged data per D3 profile



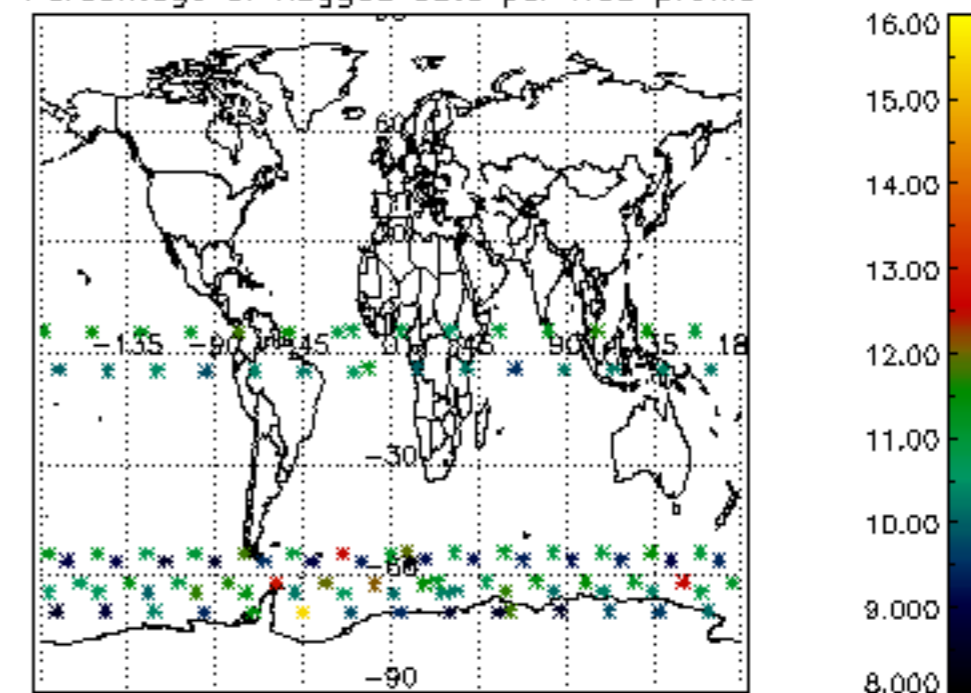
Percentage of flagged data per H2O profile

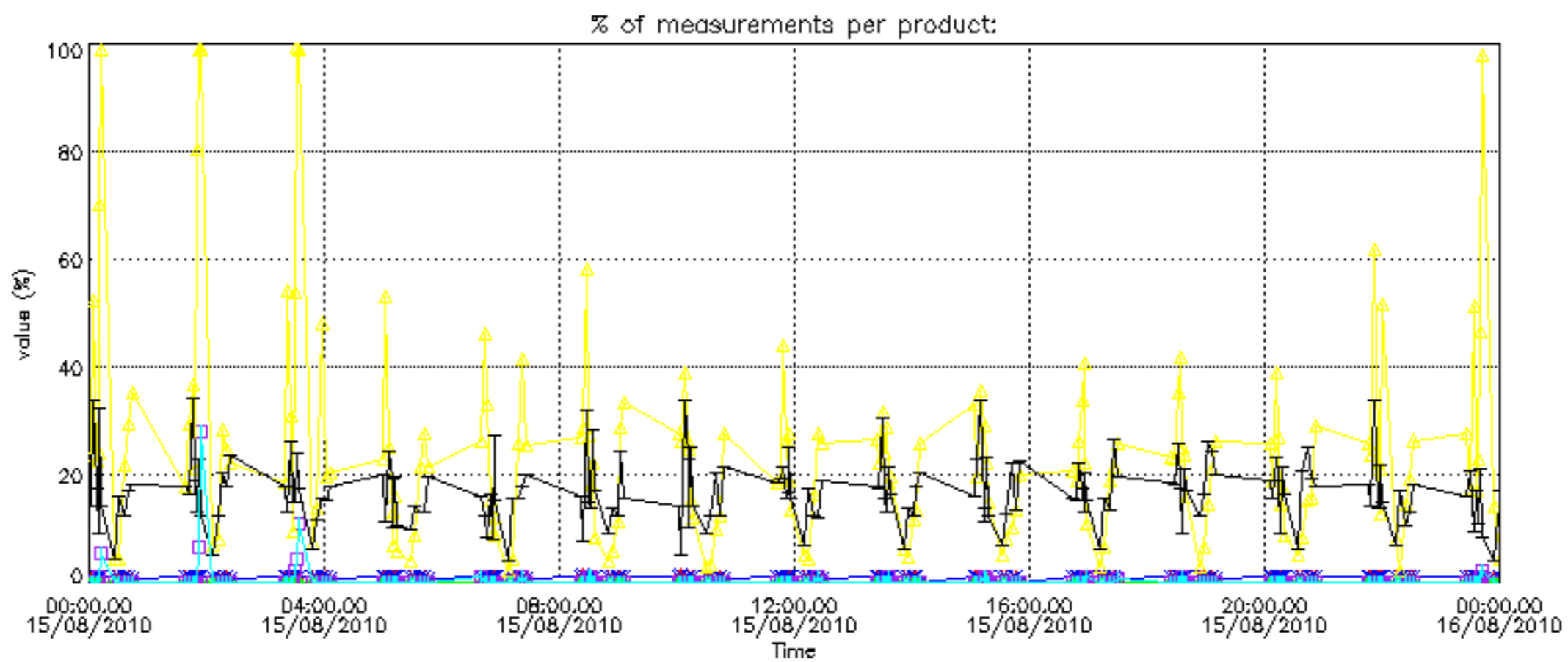


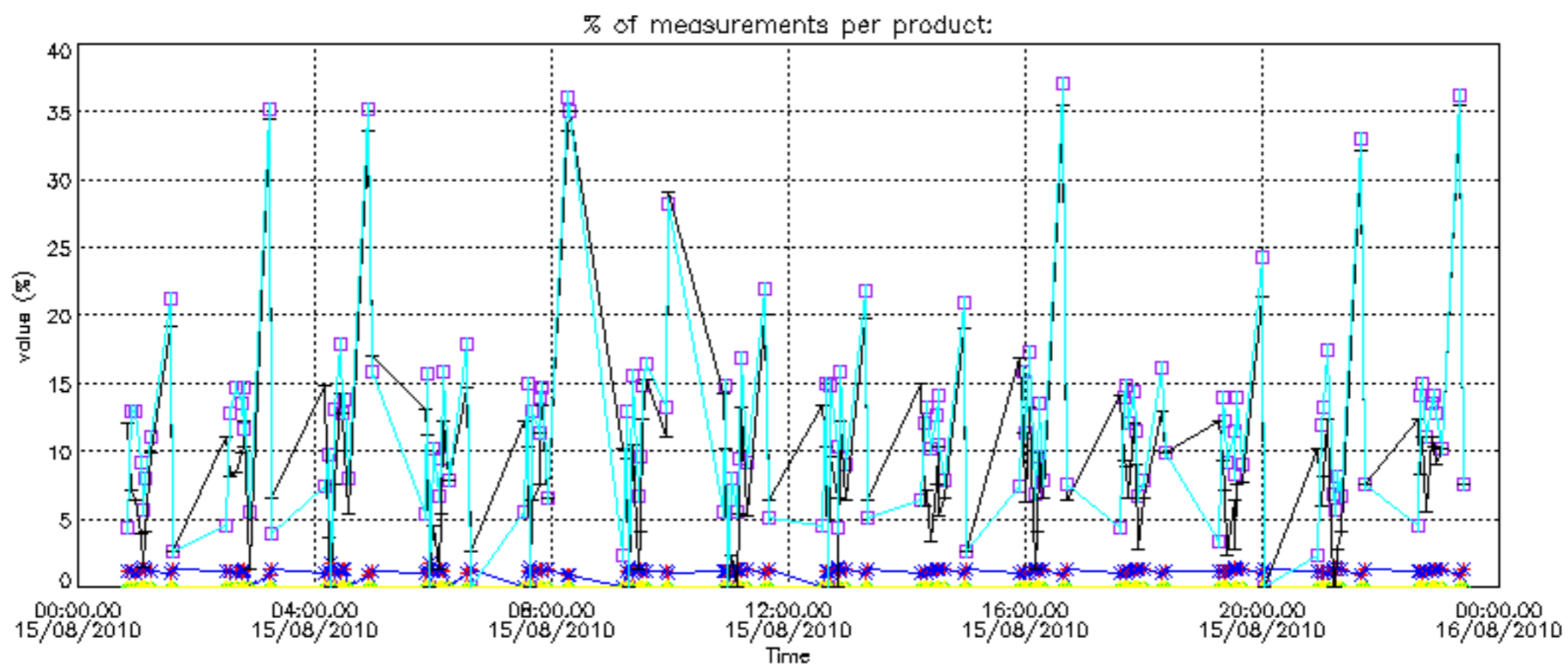
Percentage of flagged data per NO2 profile



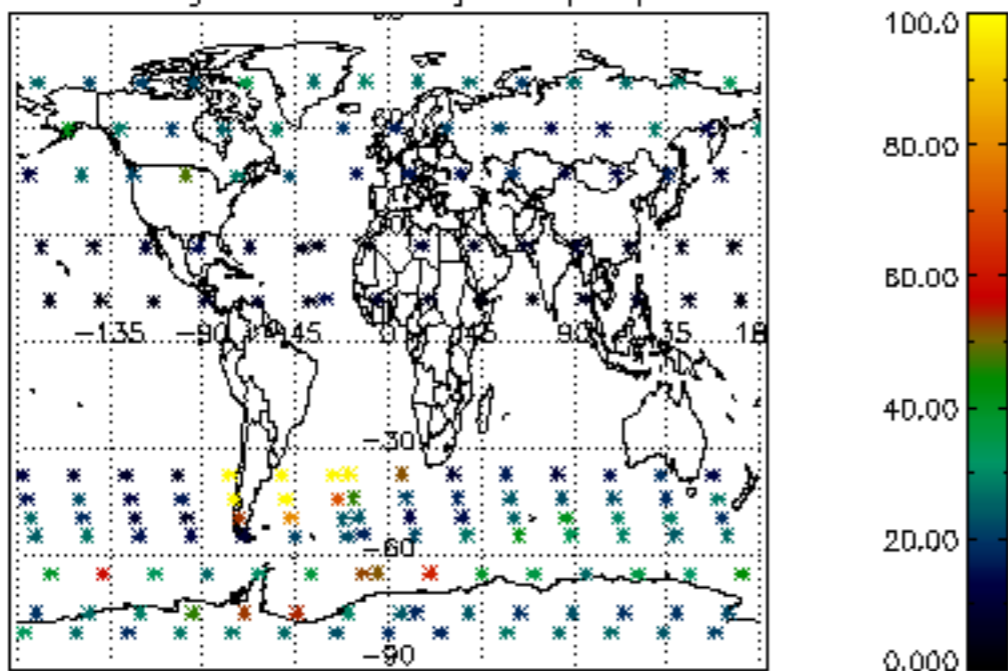
Percentage of flagged data per NO3 profile



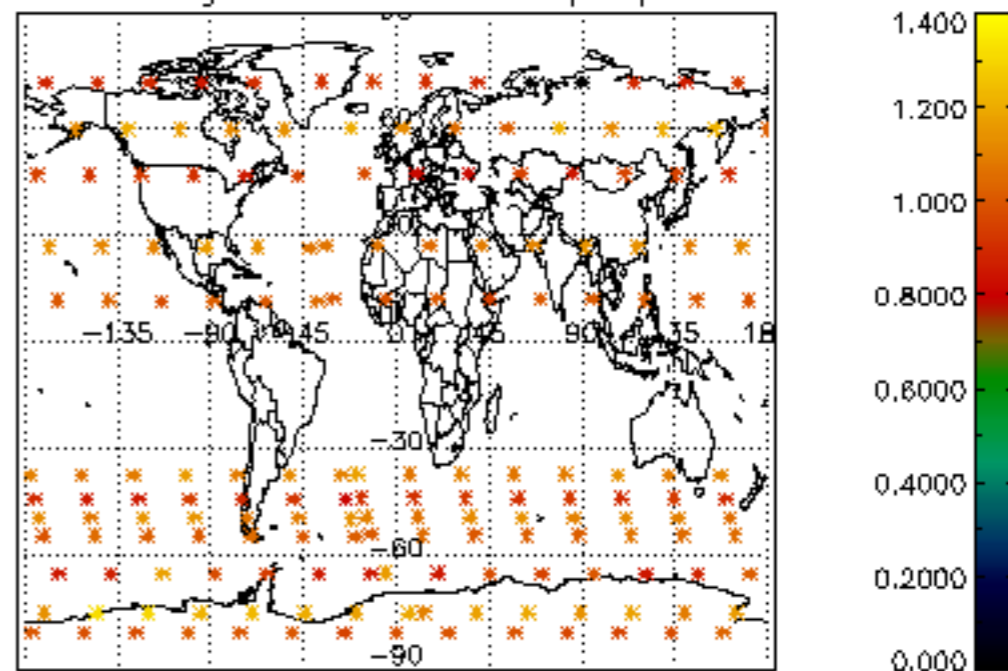




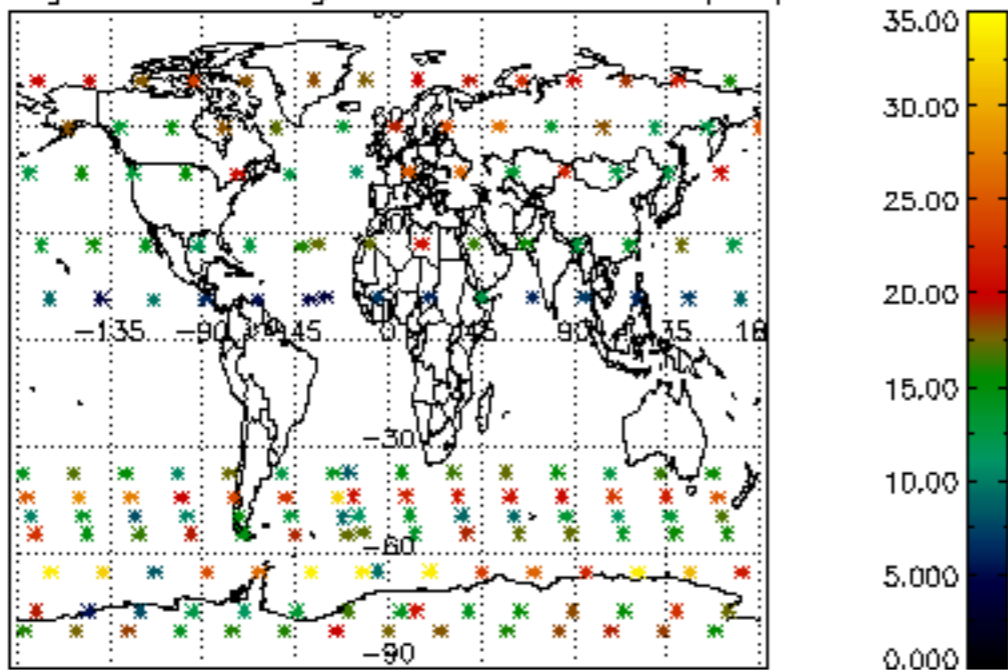
Percentage of cosmic ray hits per profile



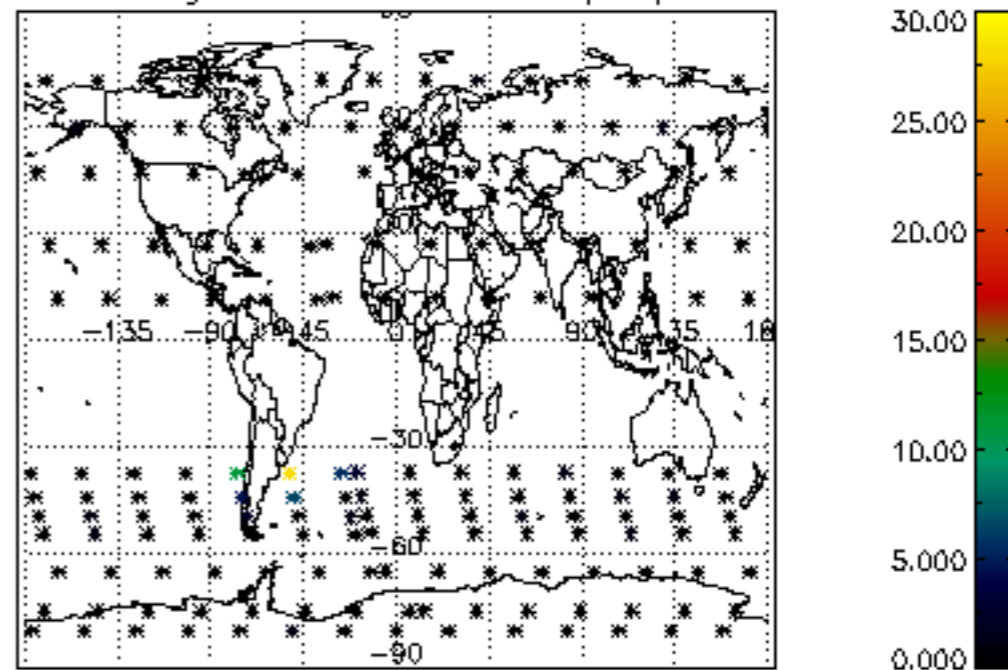
Percentage of datation errors per profile



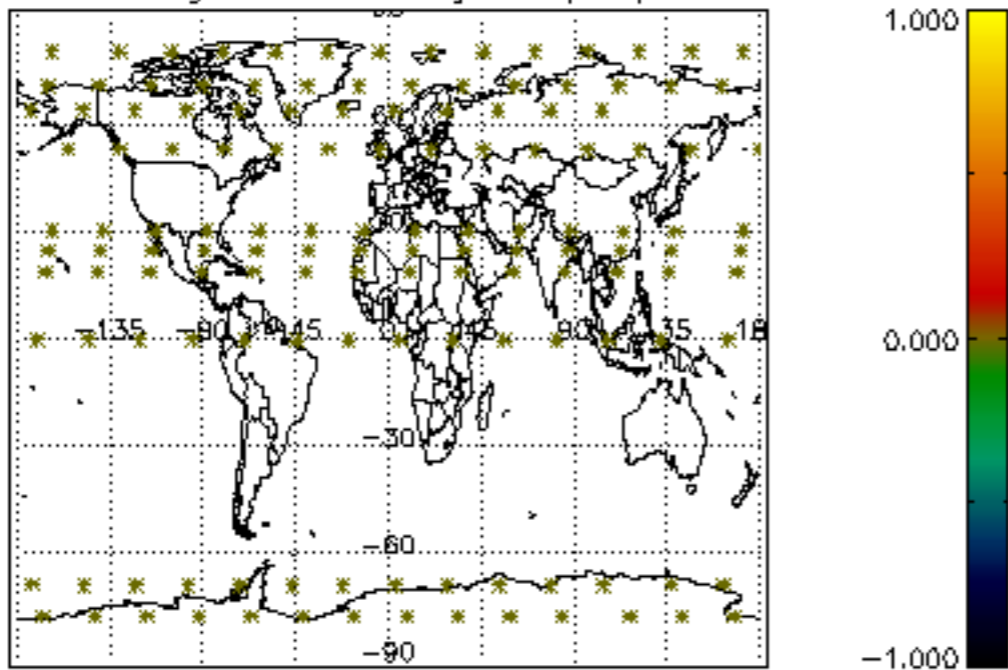
Percentage of star falling outside central band per profile



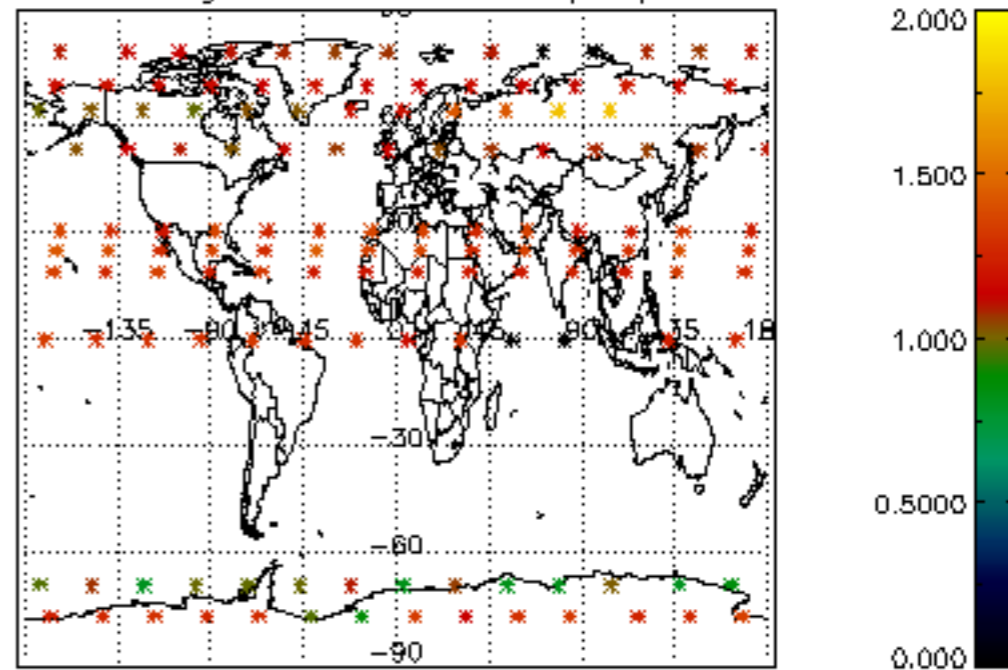
Percentage of saturation errors per profile



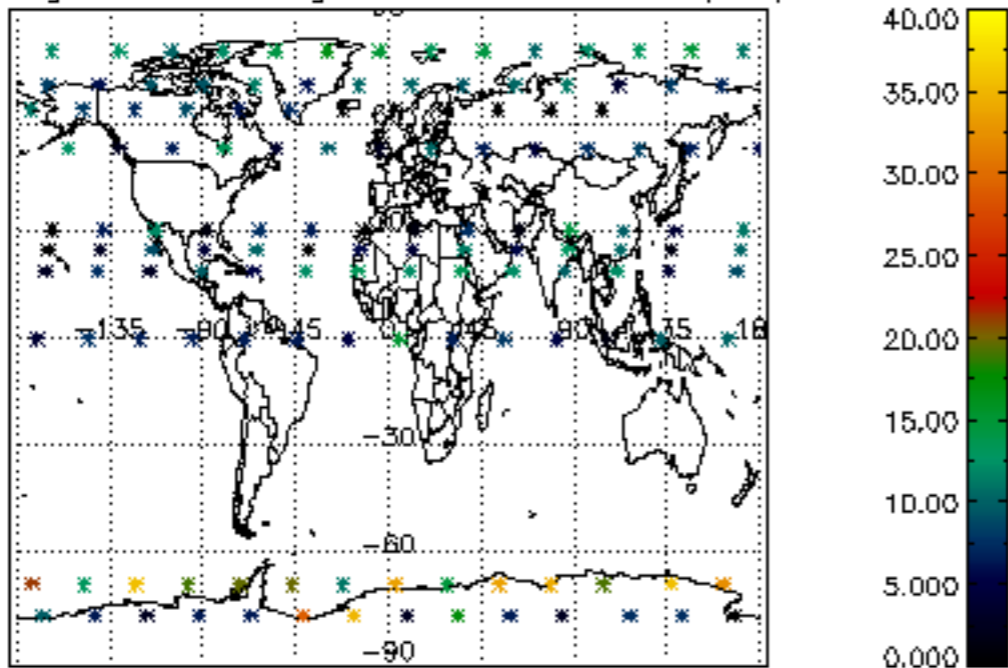
Percentage of cosmic ray hits per profile



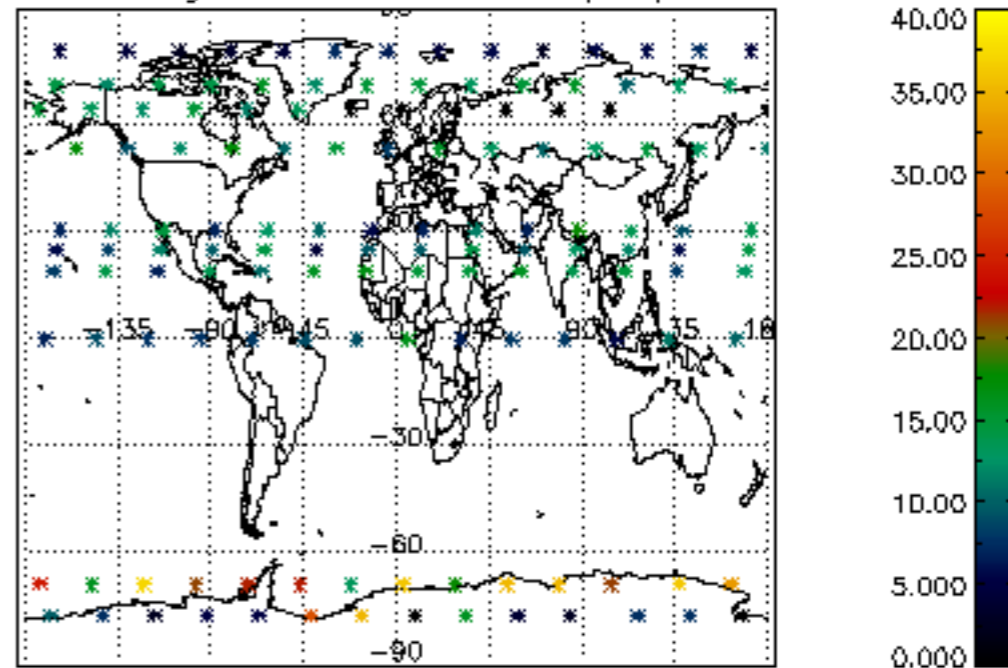
Percentage of datation errors per profile

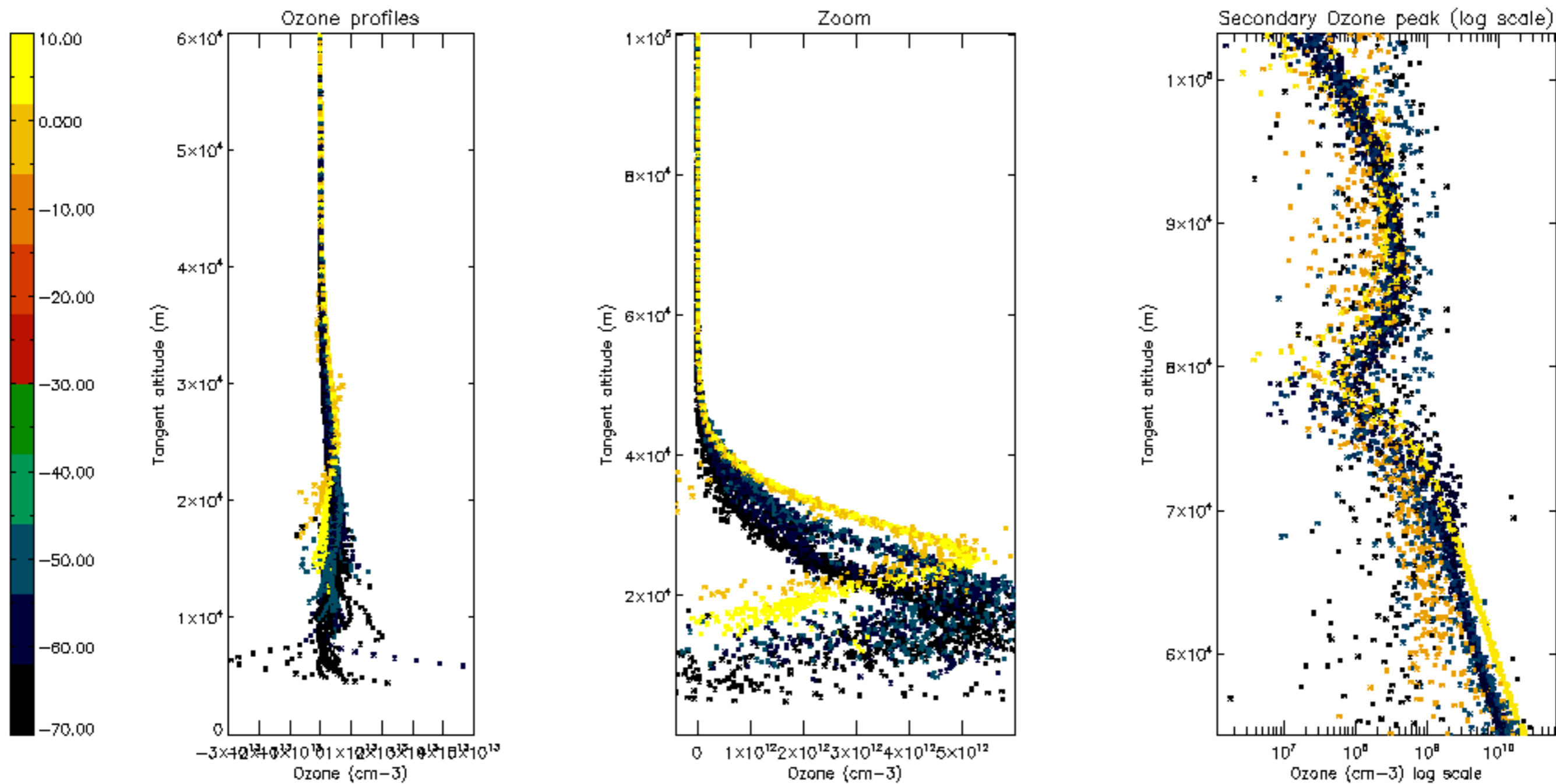


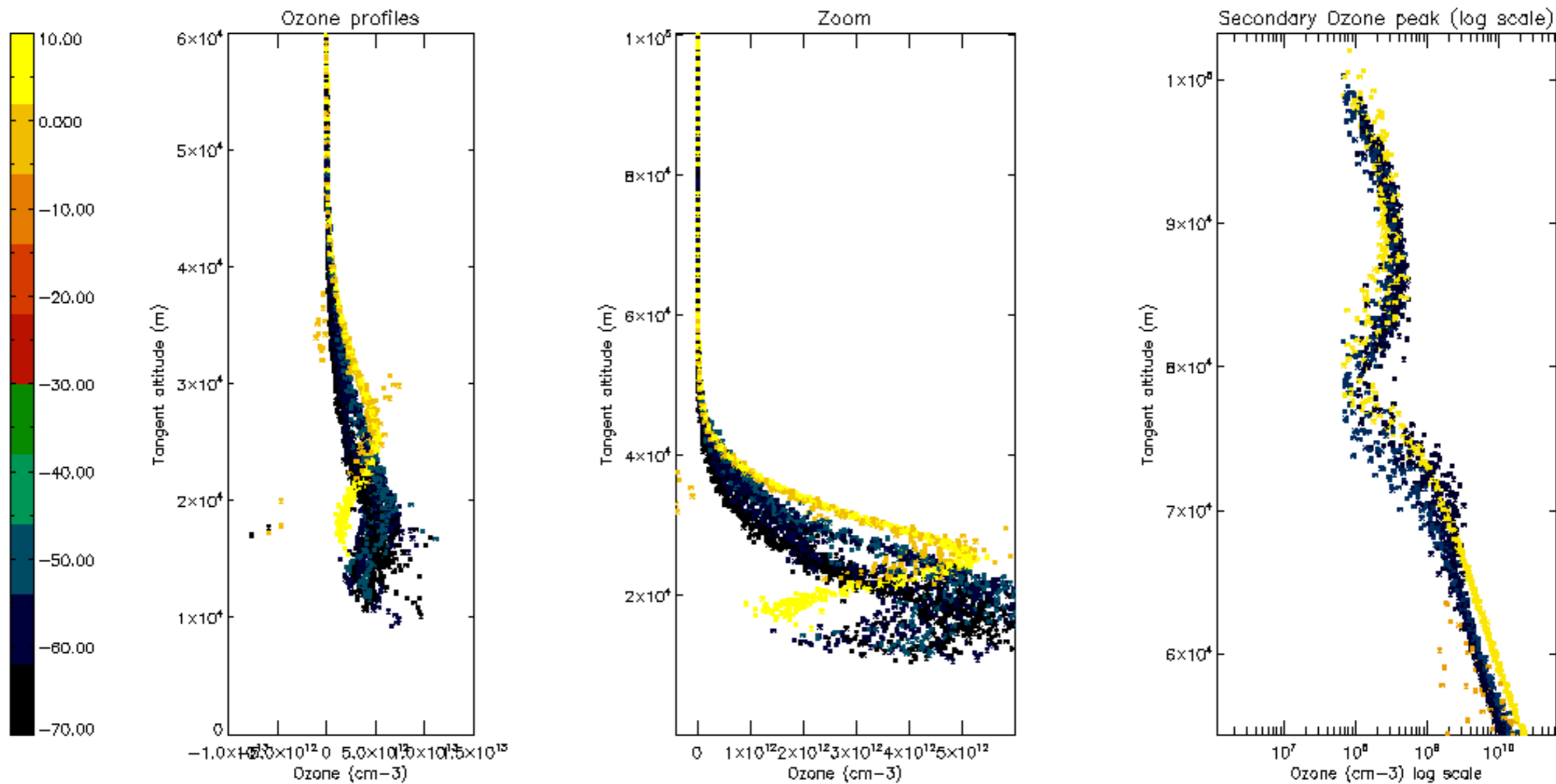
Percentage of star falling outside central band per profile



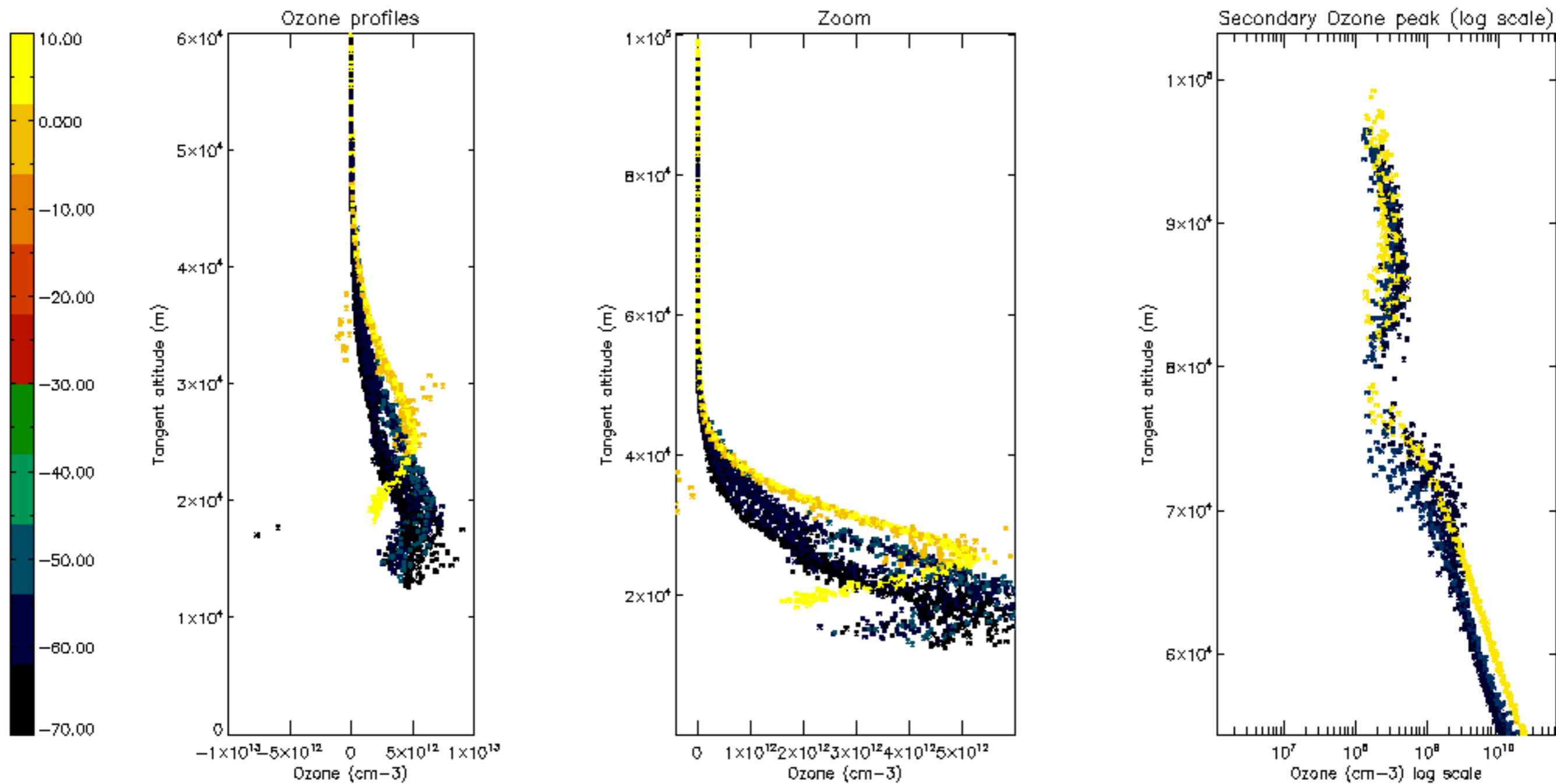
Percentage of saturation errors per profile

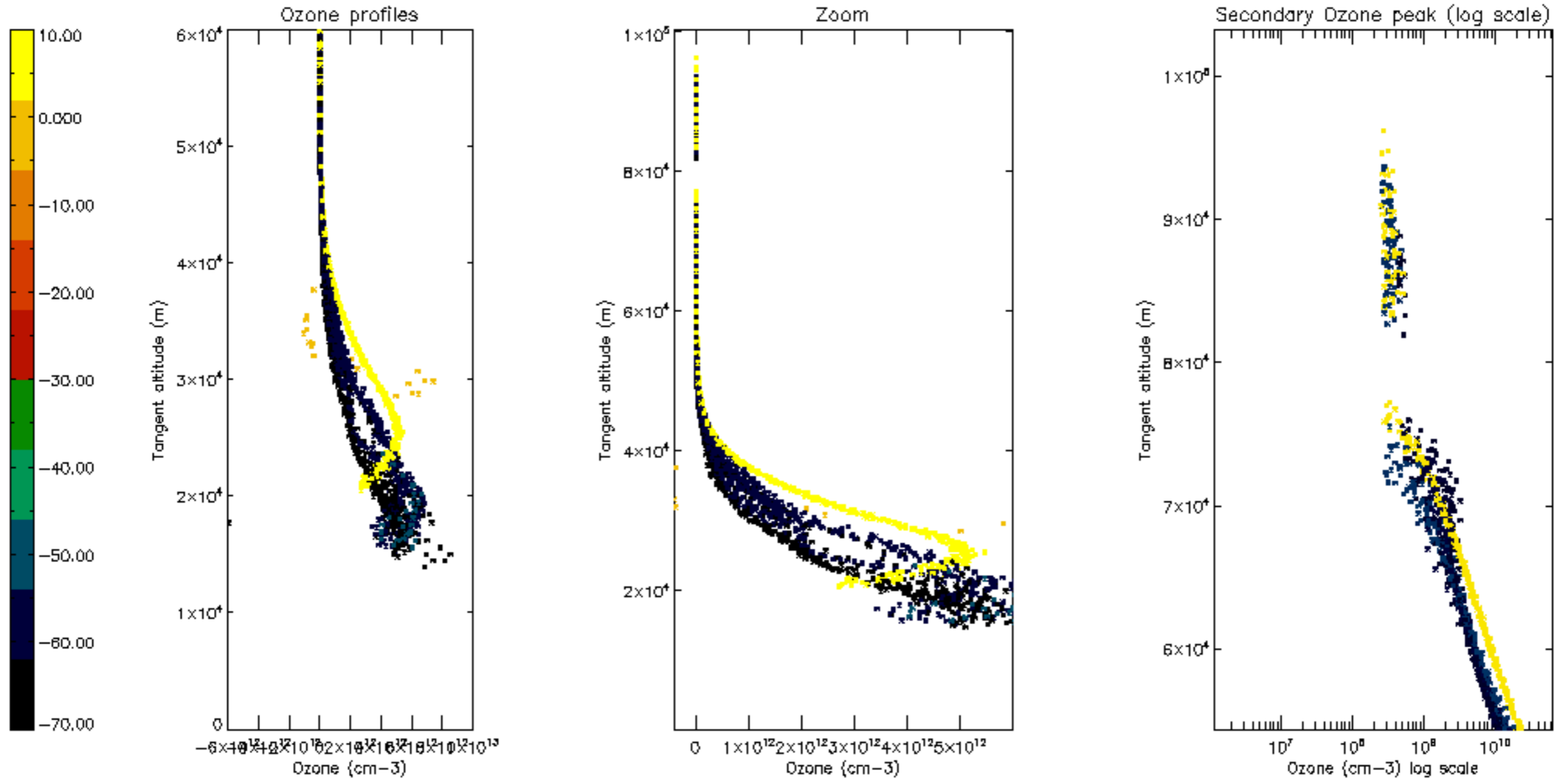


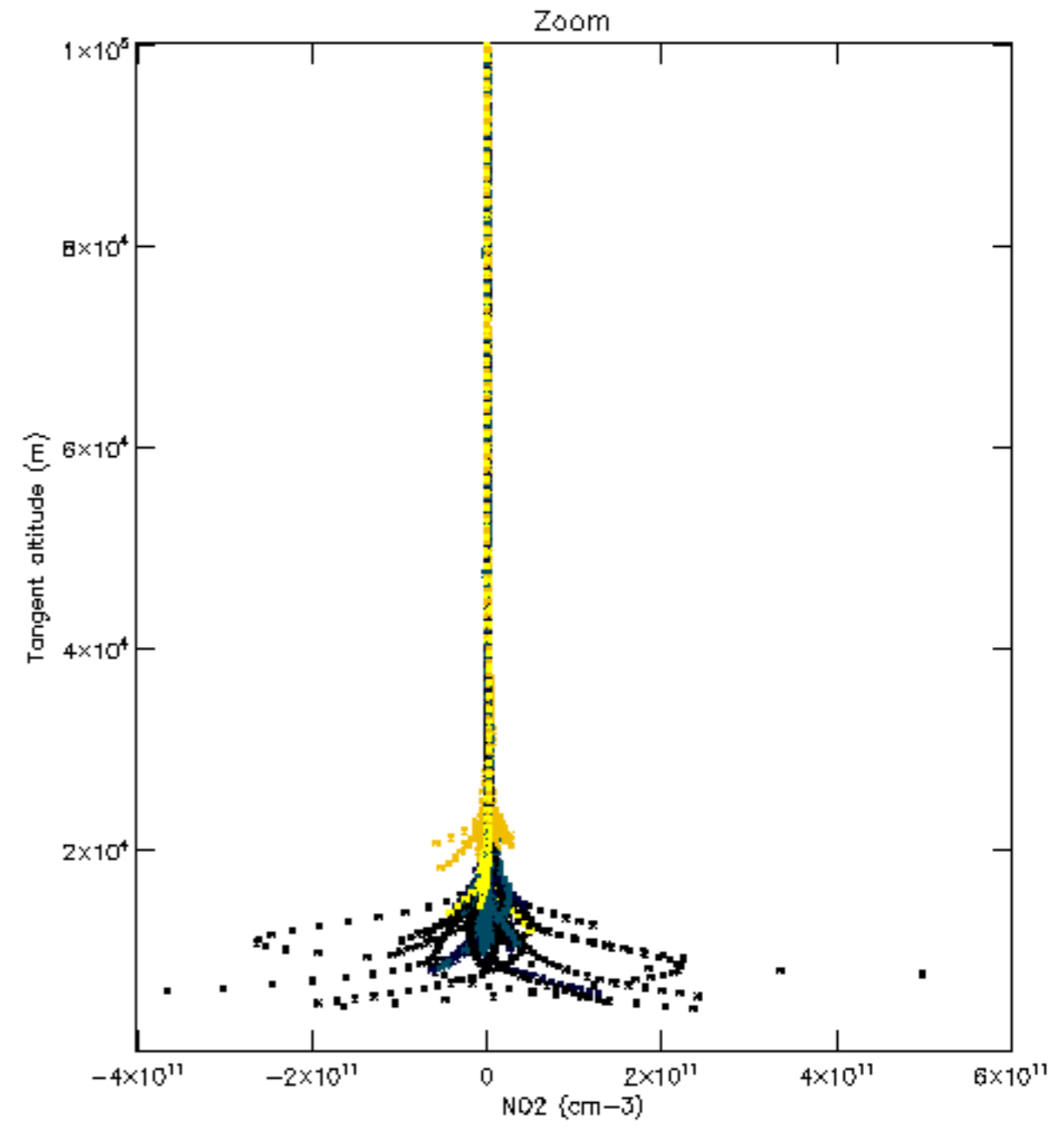
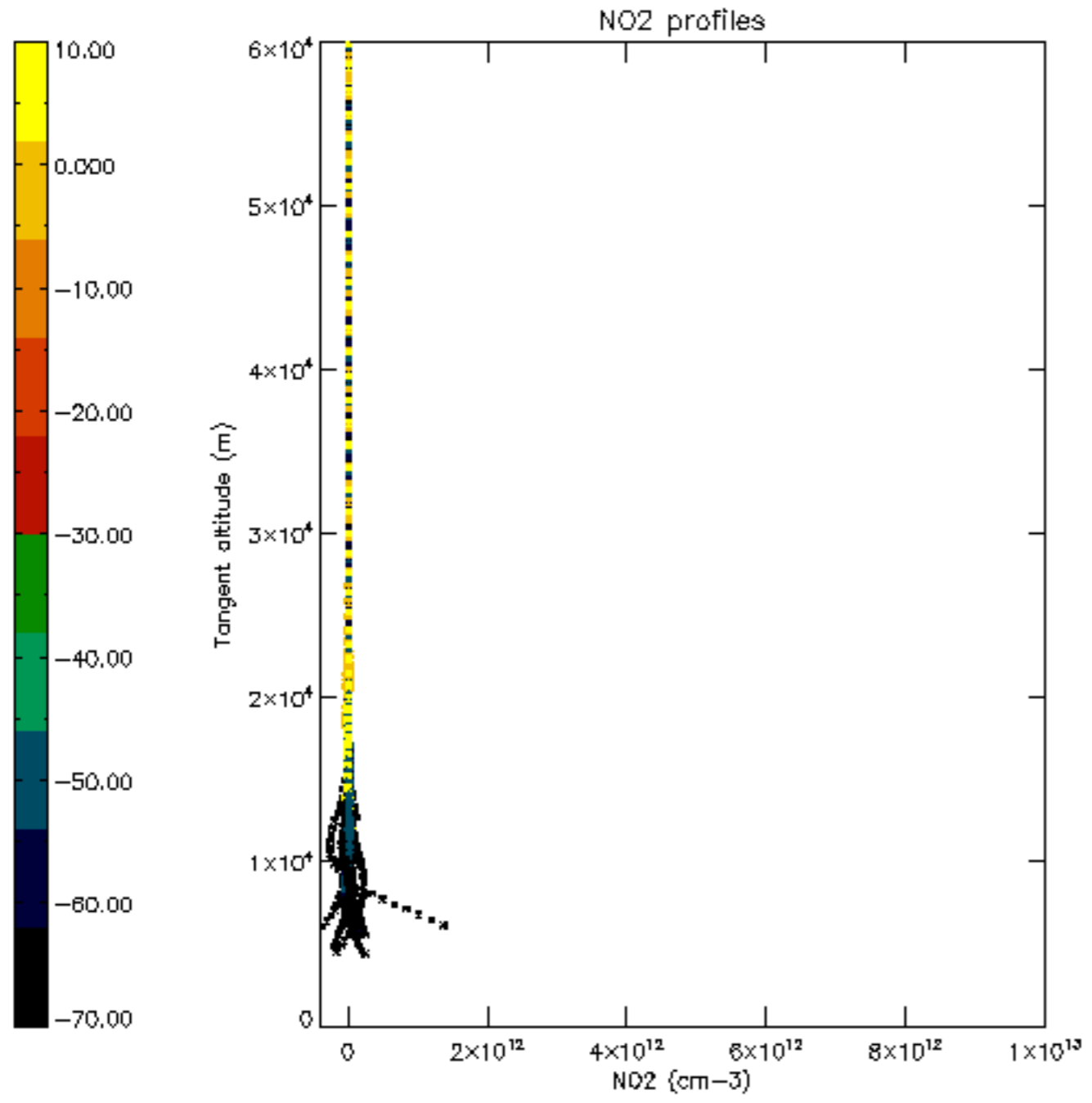


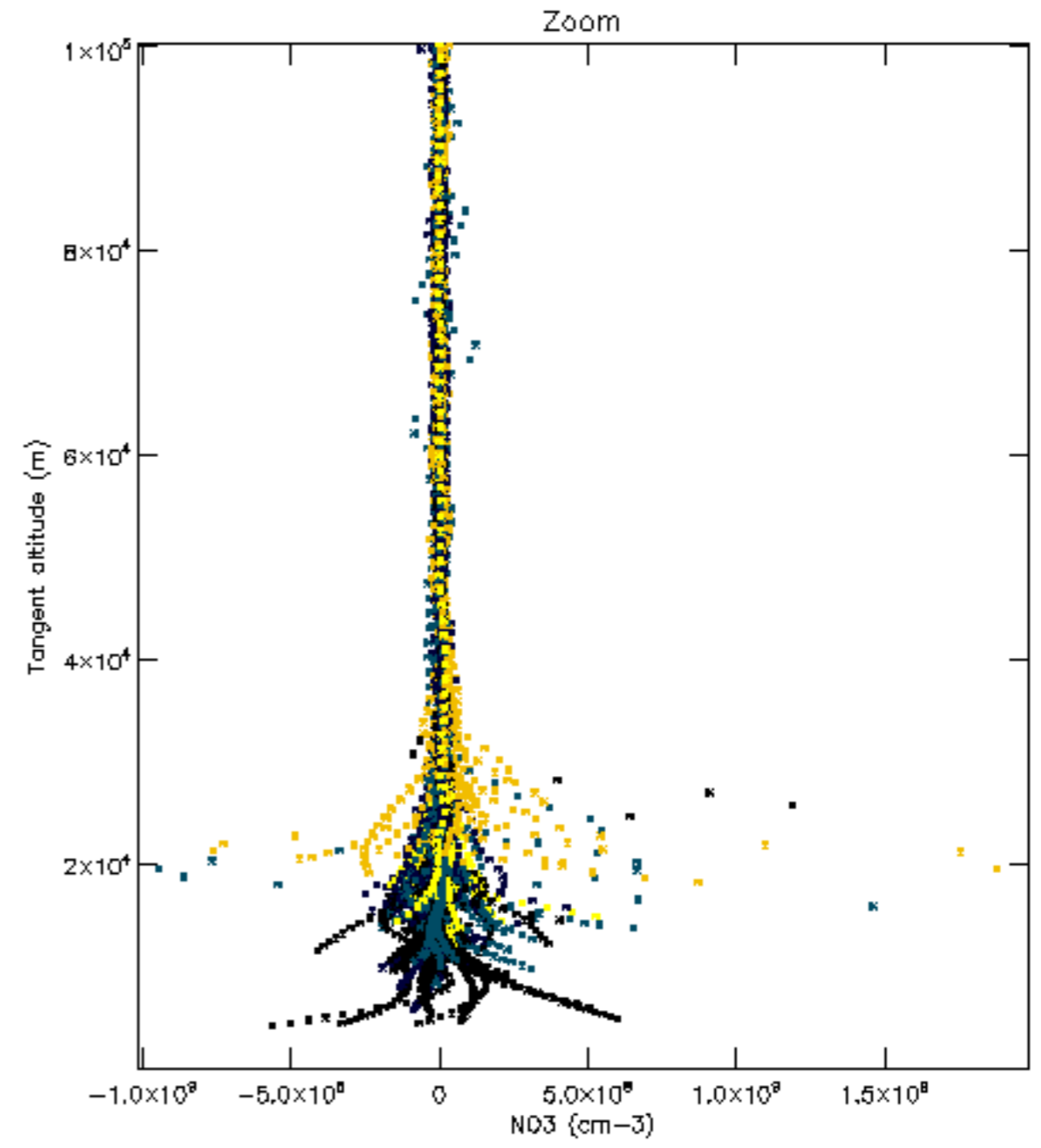
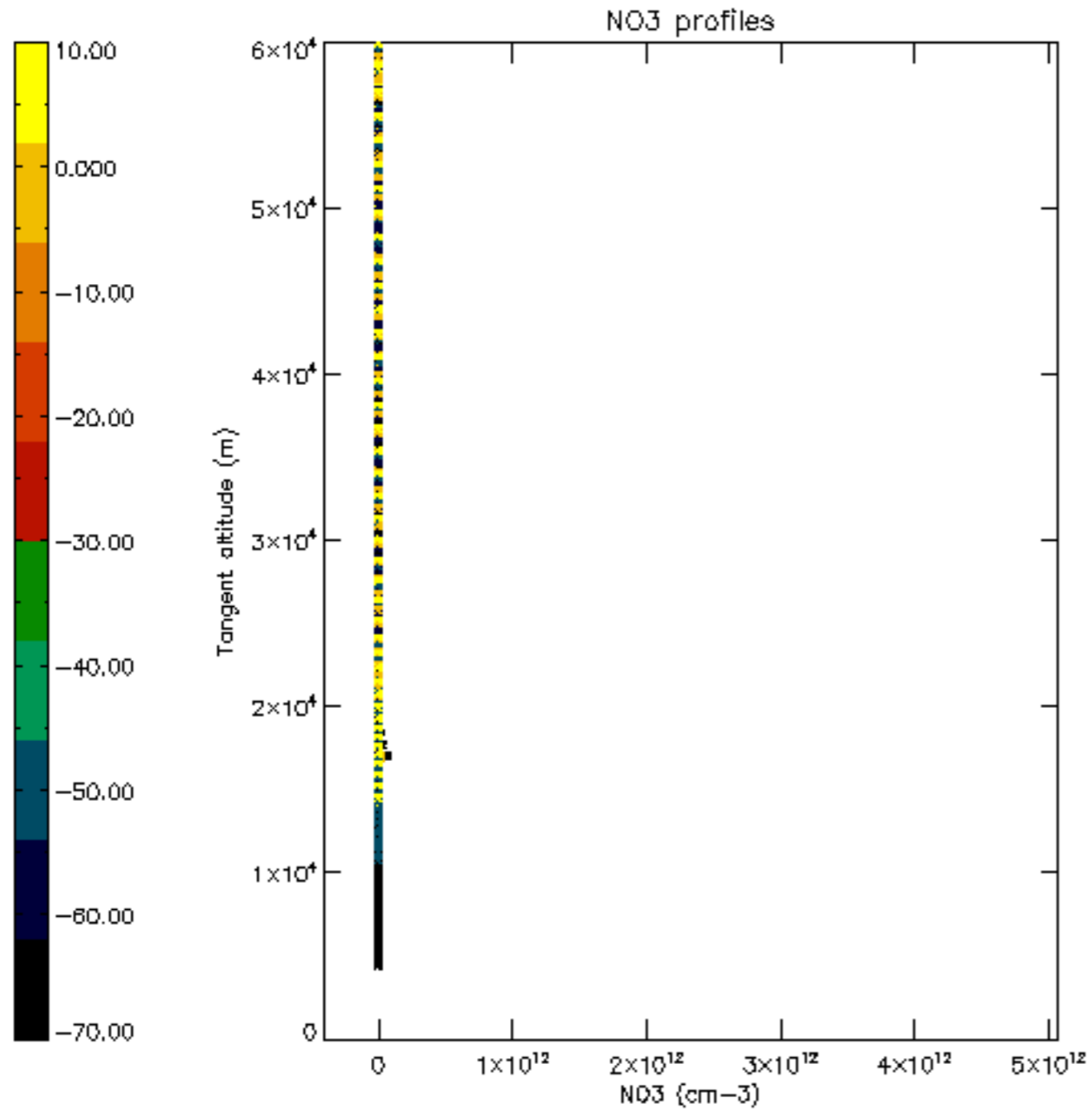


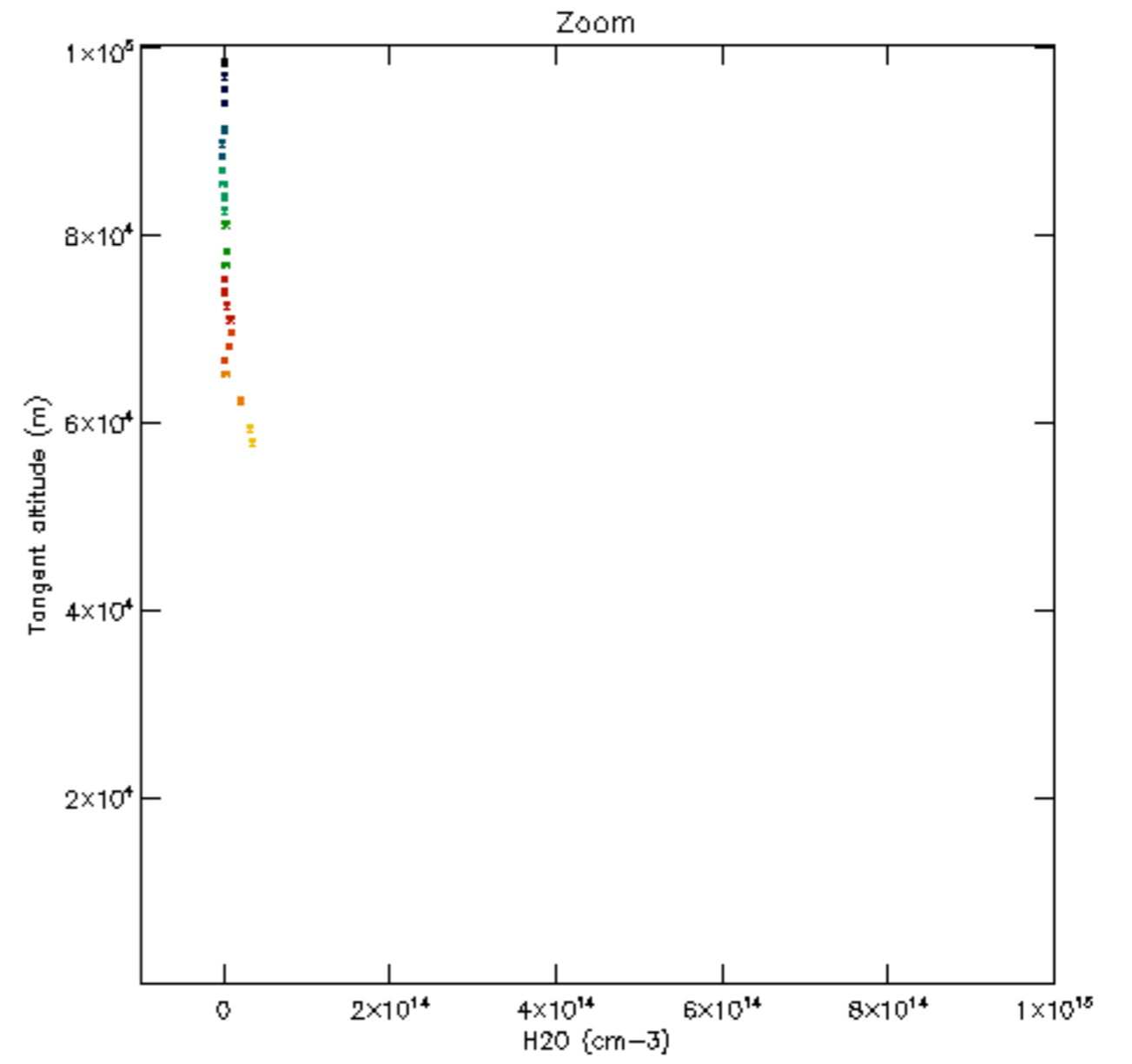
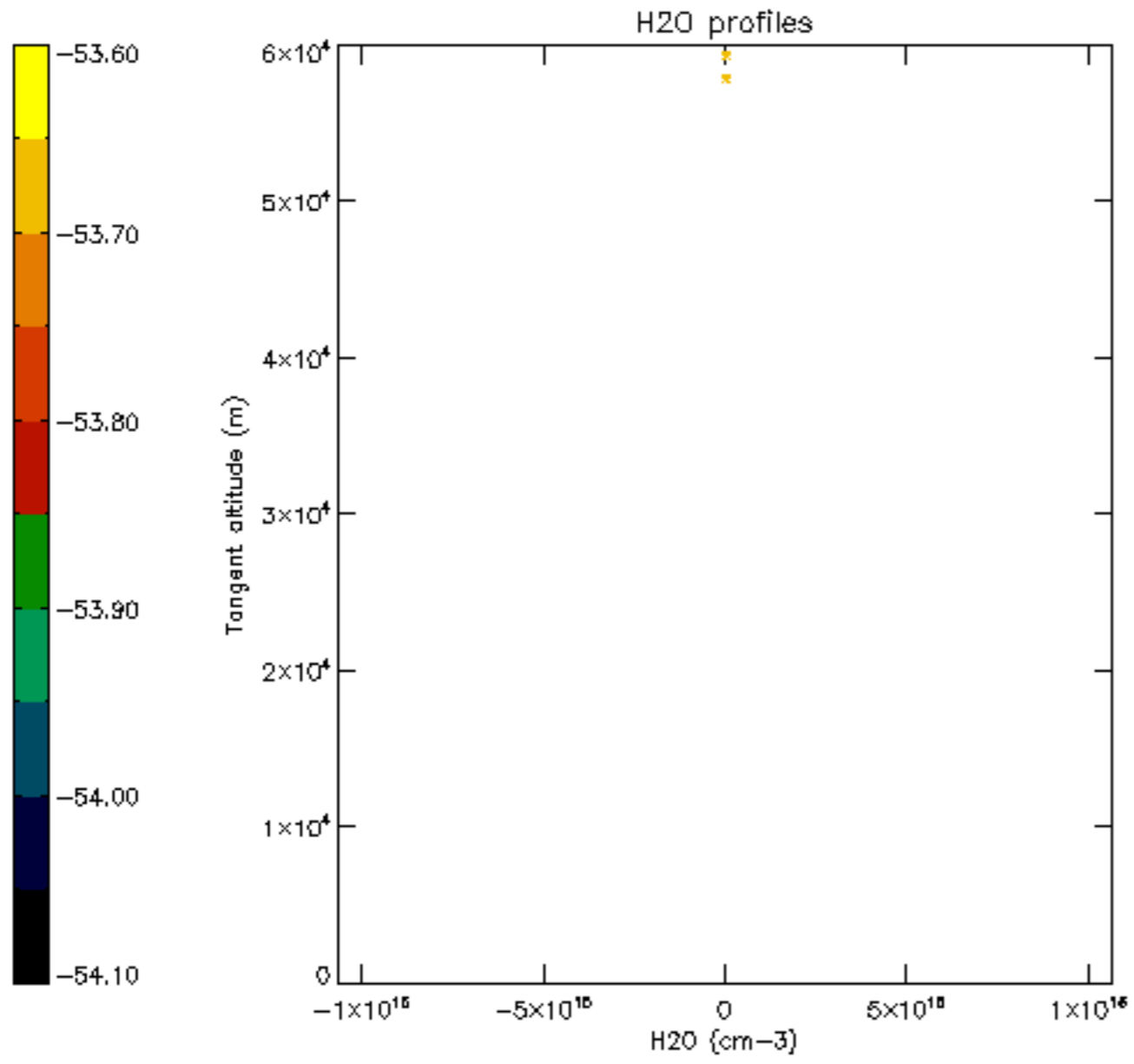


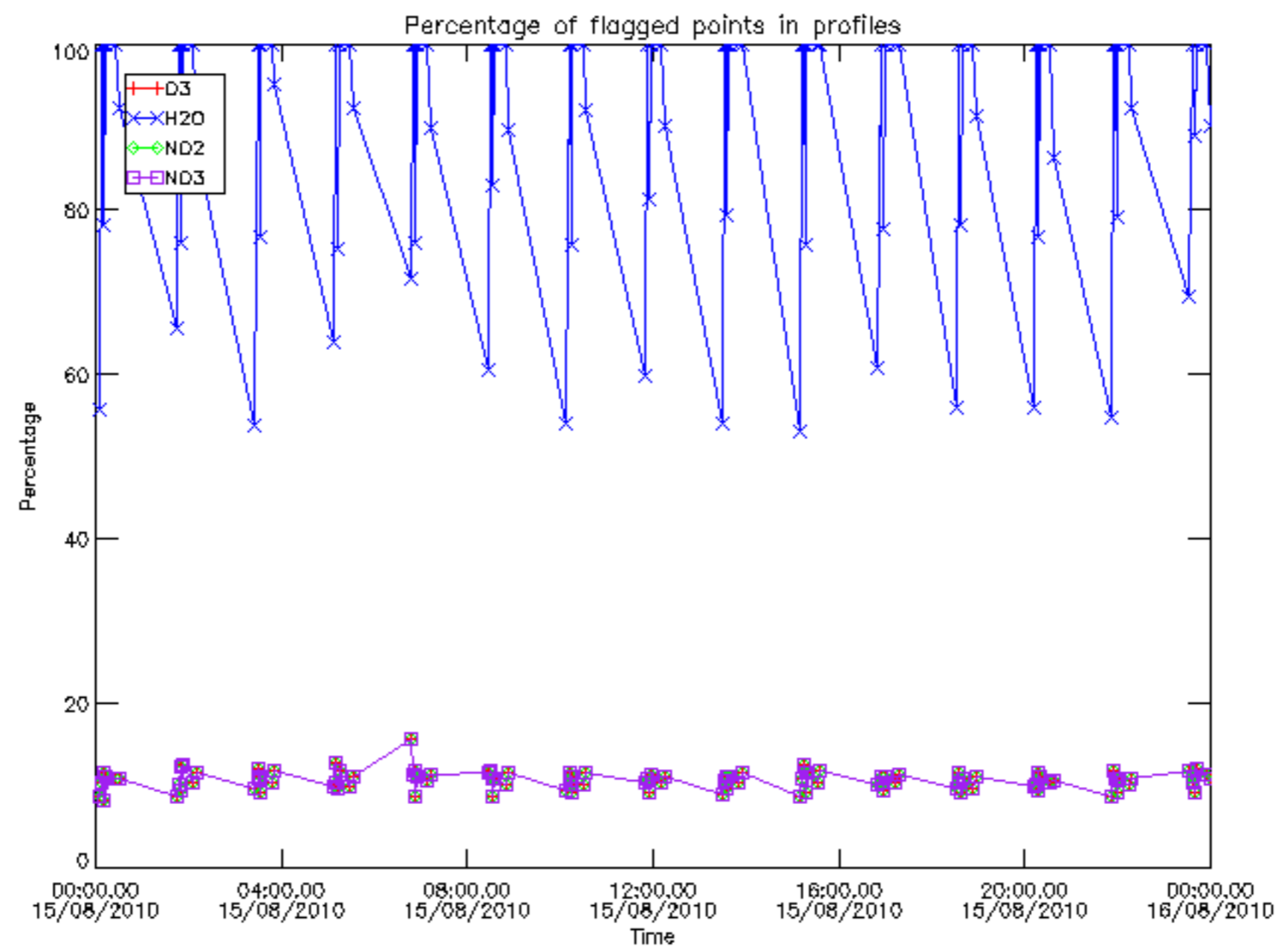




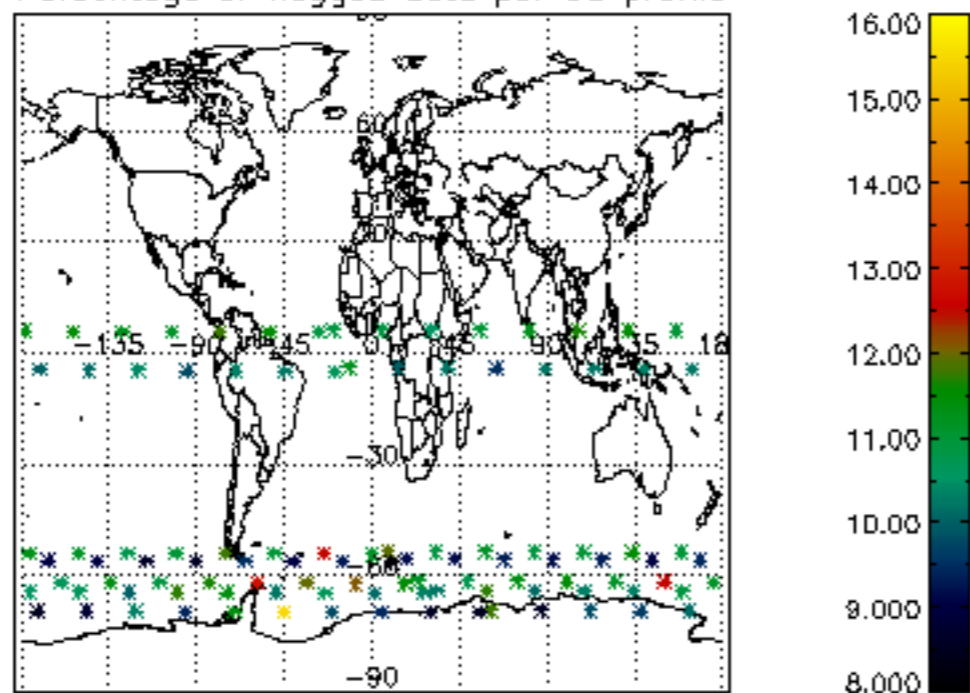




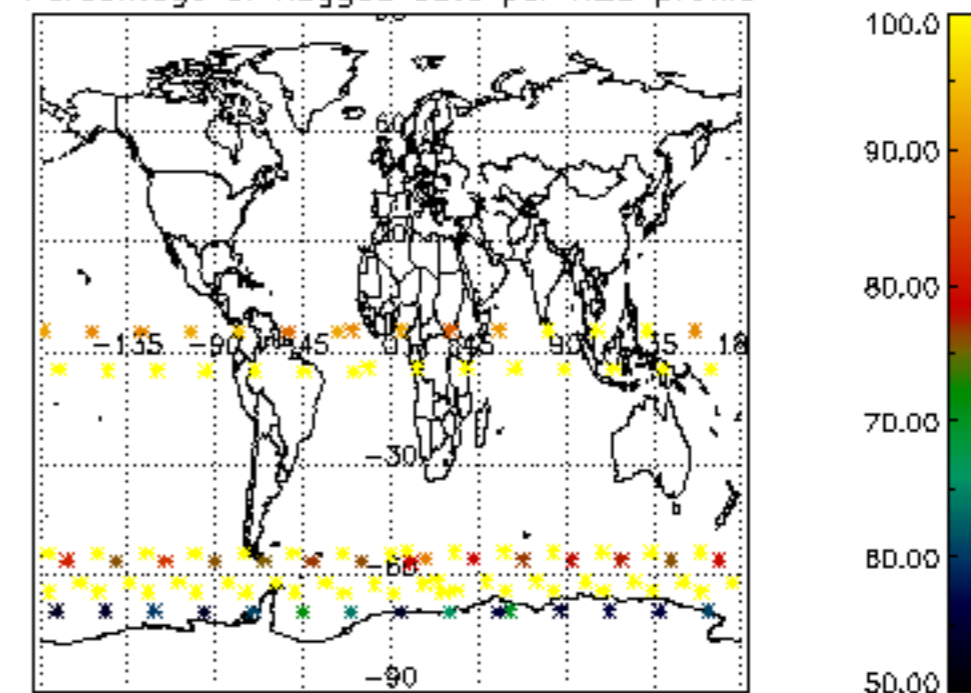




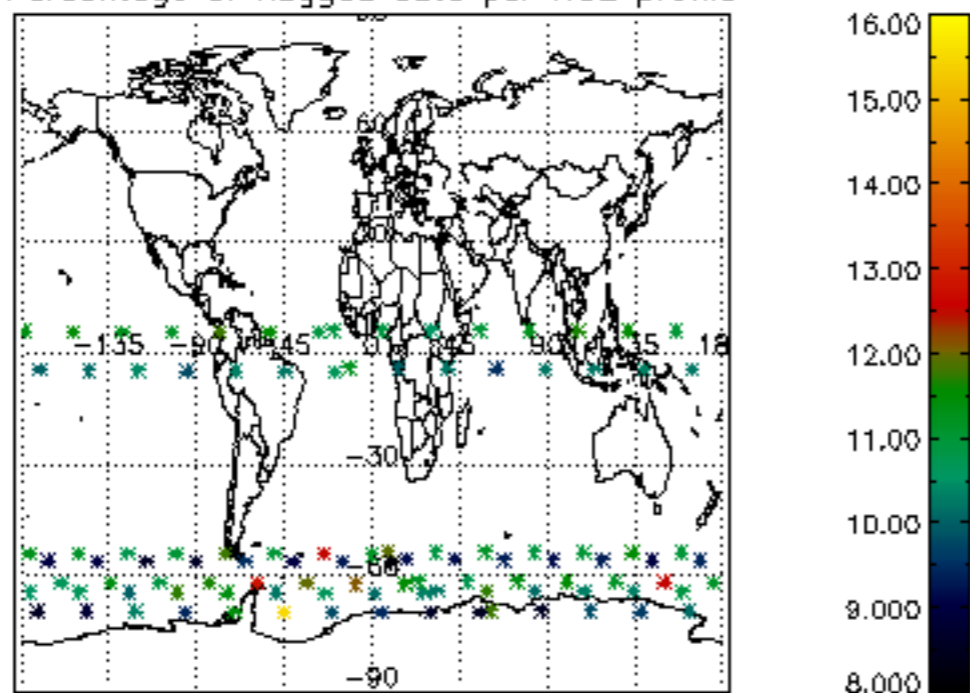
Percentage of flagged data per D3 profile



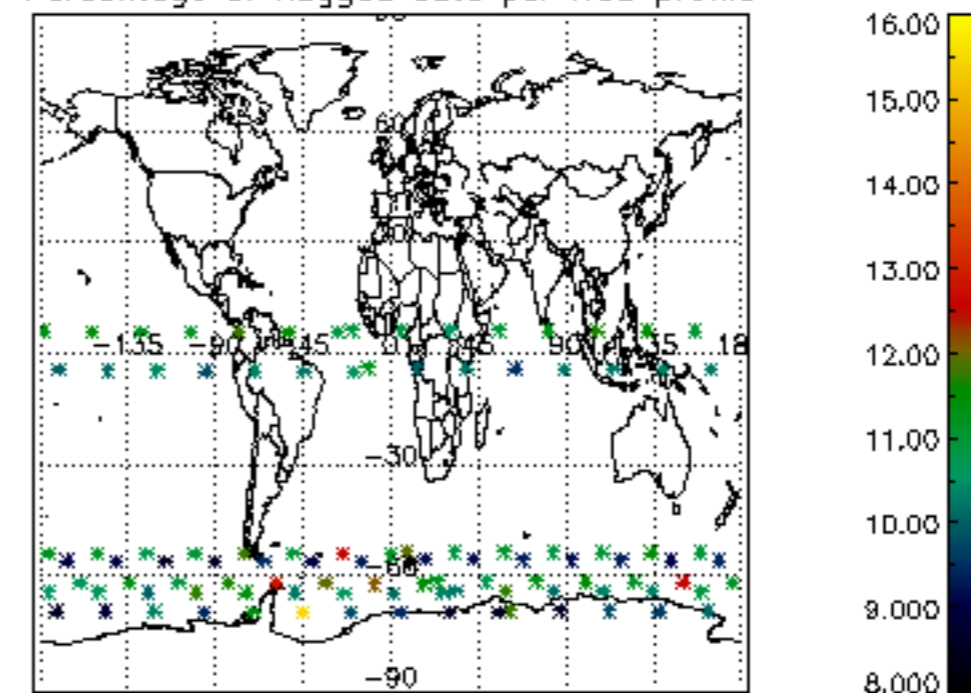
Percentage of flagged data per H2O profile

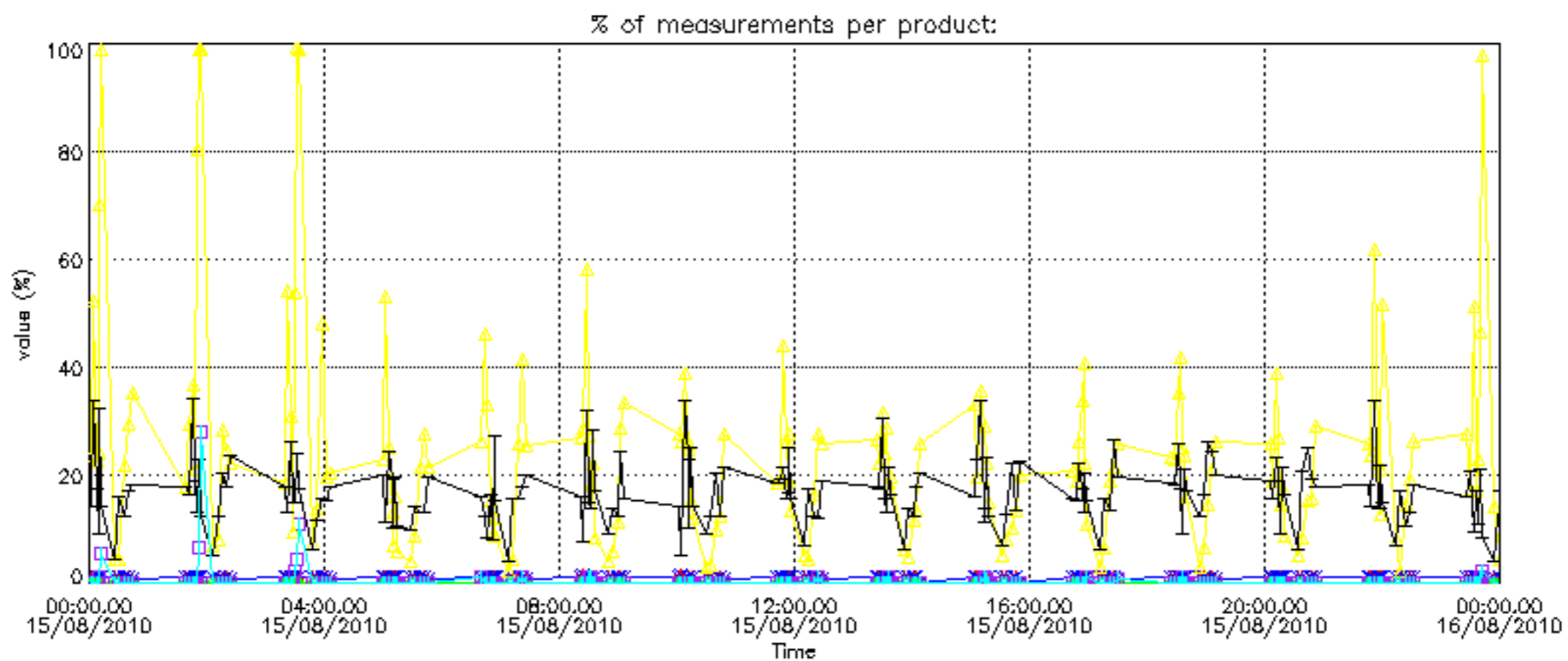


Percentage of flagged data per NO2 profile

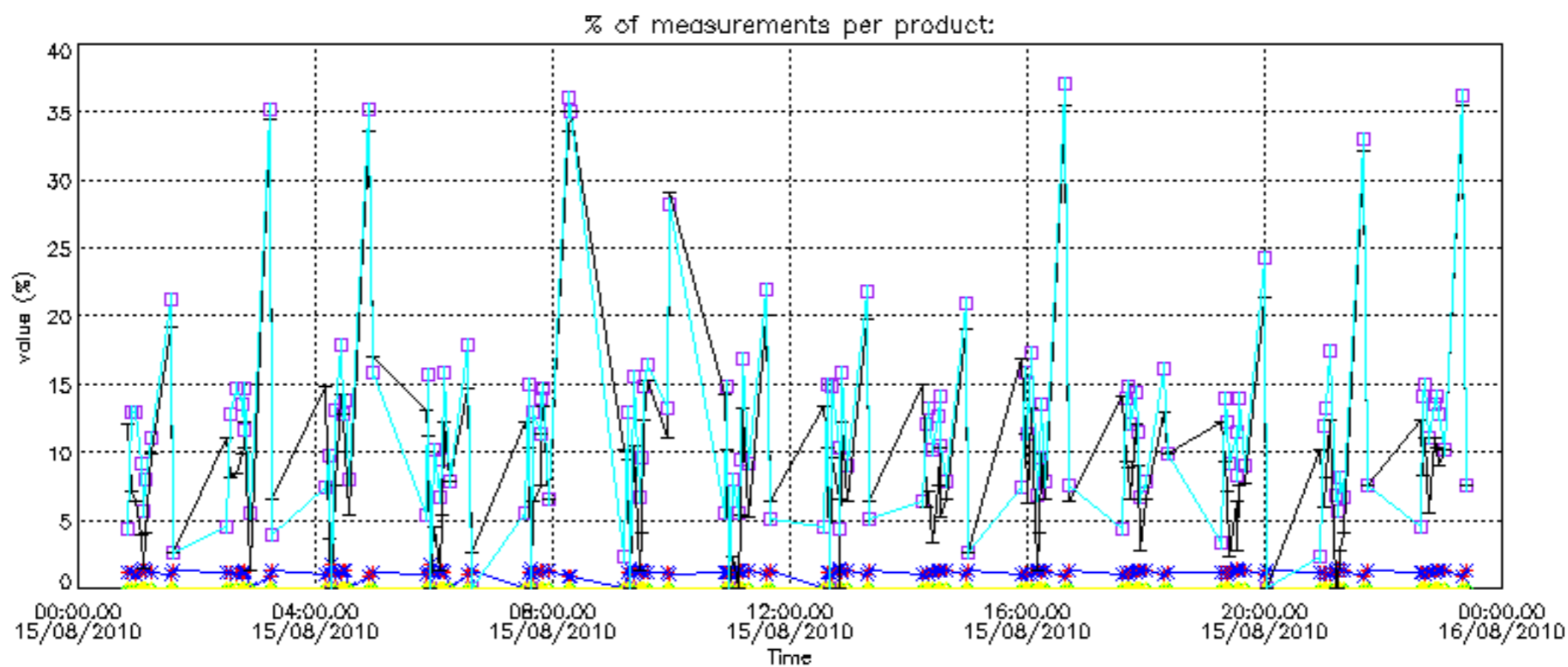


Percentage of flagged data per NO3 profile

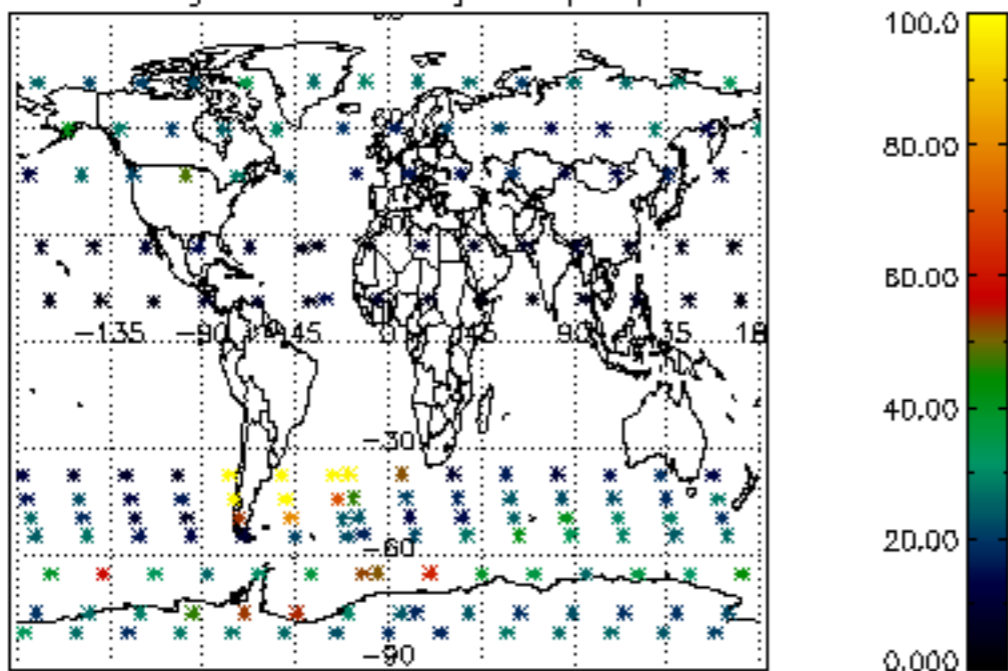




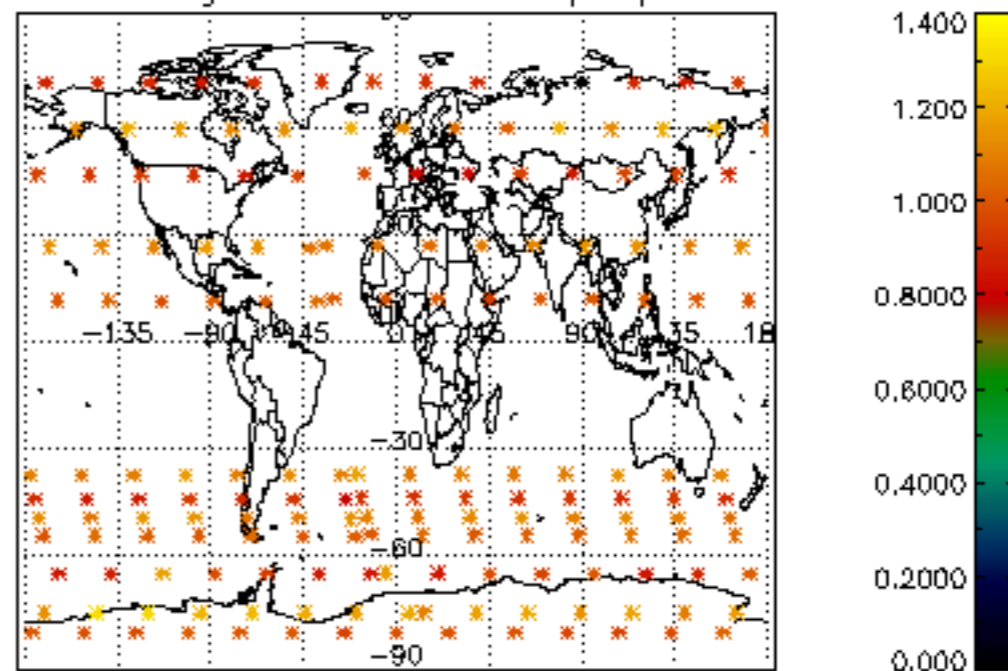




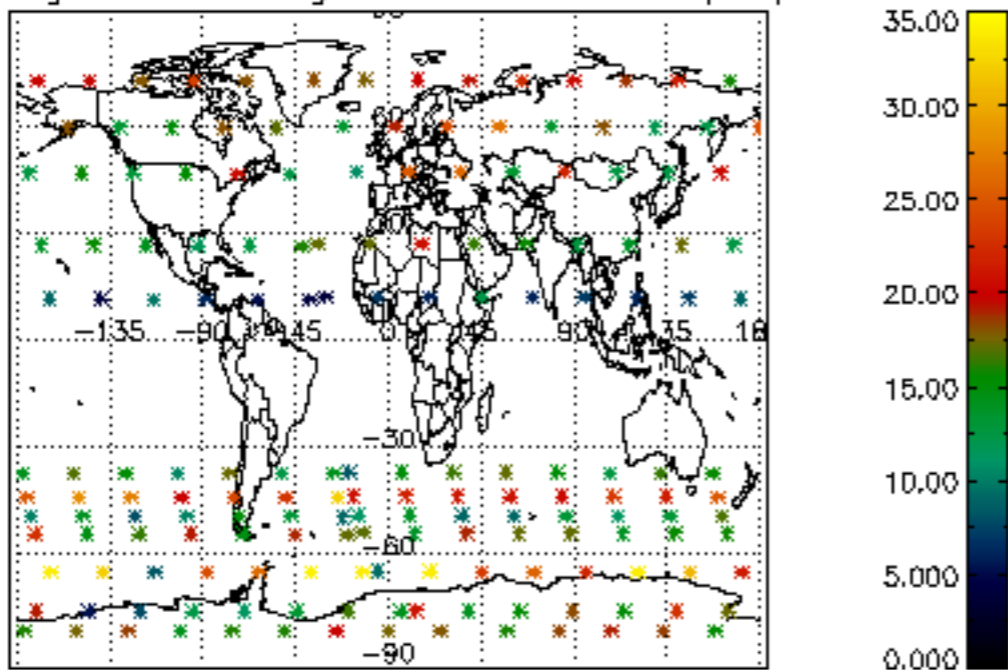
Percentage of cosmic ray hits per profile



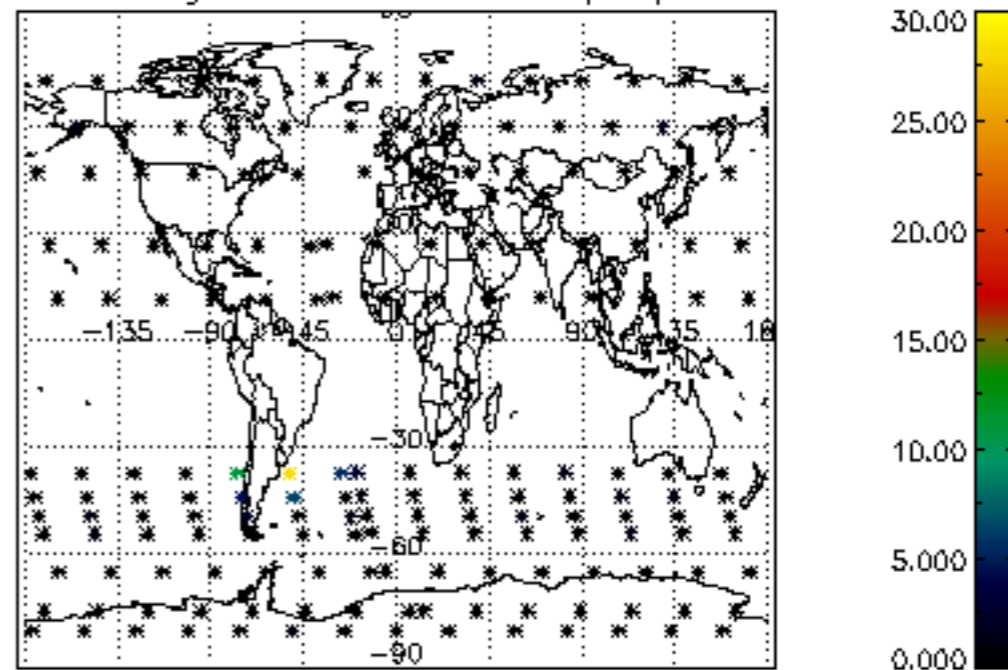
Percentage of datation errors per profile



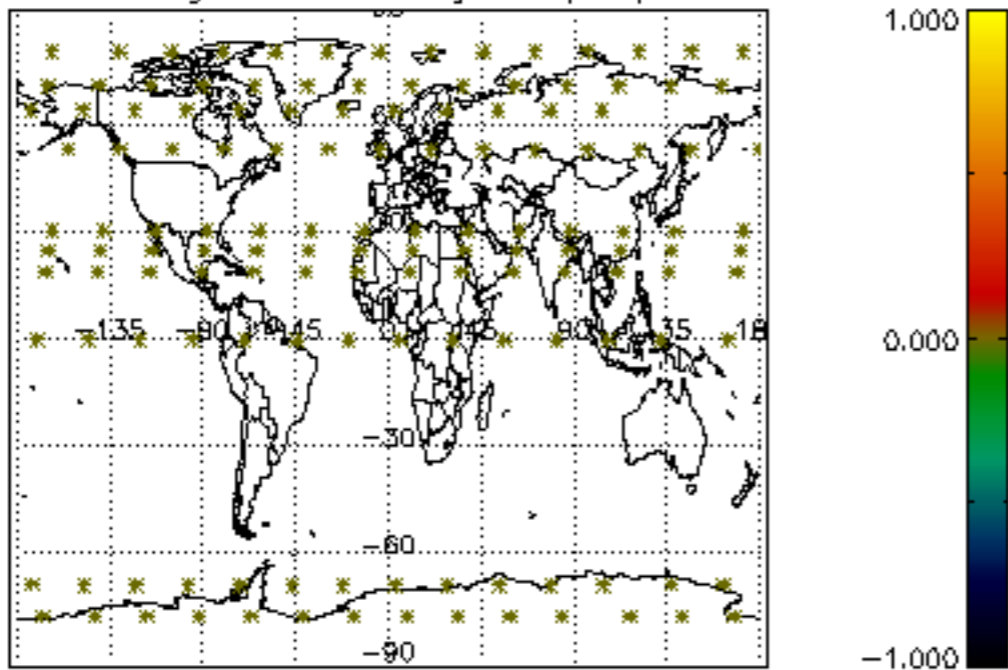
Percentage of star falling outside central band per profile



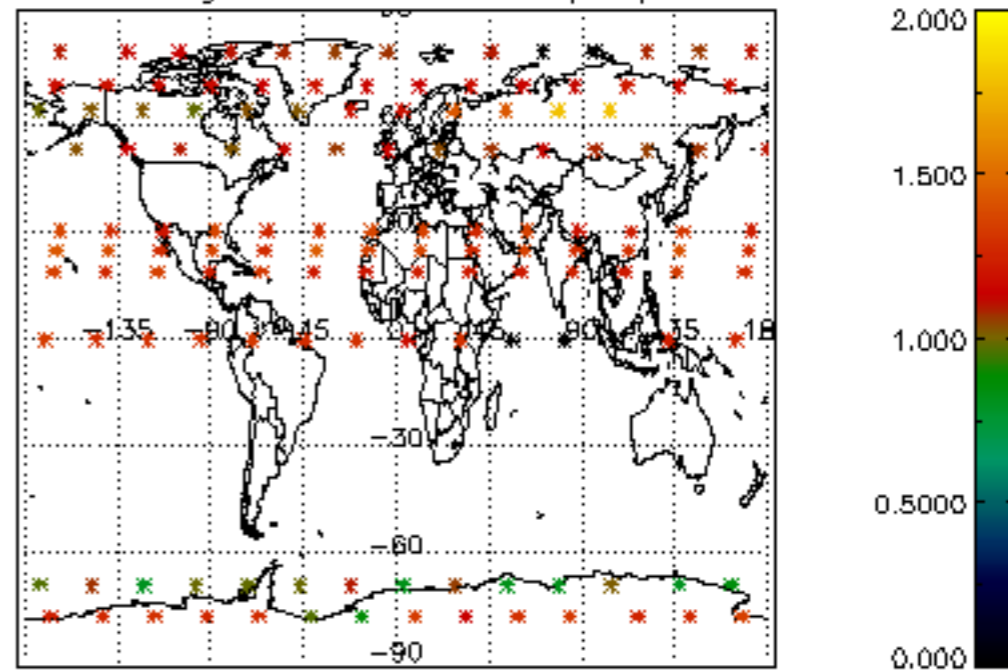
Percentage of saturation errors per profile



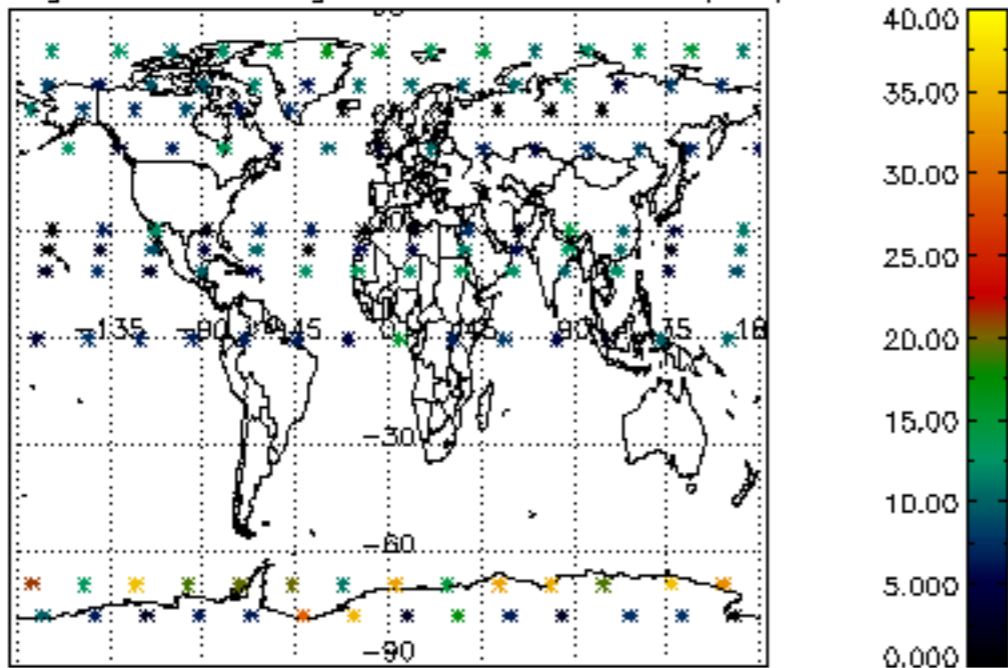
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

