

# GOMOS Level 2 Daily Report

## SUMMARY

### [1. General Info](#)

### [2. Summary of processed GOM\\_NL\\_2P products](#)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

This report presents the daily analysis on parameters extracted from GOMOS level 2 data (GOM\_NL\_\_2P). It is intended to monitor some important parameters that will impact the quality of these products. A list of level 2 products (and content) that have arrived during the reporting day to the PCF is also given.

Item	Value
Time of report generation	22APR2013 21:18:57
Data source version	GOMOS/6.01
Start time of products	30-06-2007 (30JUN2007 00:00:00)
Stop time of products	01-07-2007 (01JUL2007 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	279
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__2PRFIN20070630_000042_000000382059_00259_27868_4982.N1	30-JUN-2007 00:00:42	Dark	38.000	165	34Gam Eri	2.9500	3200.0	76	27868	No
2	GOM_NL__2PRFIN20070630_001508_000000422059_00260_27869_4972.N1	30-JUN-2007 00:15:08	Dark	41.500	9	Alp Eri	0.45300	24000.	83	27869	No
3	GOM_NL__2PRFIN20070630_002234_000000422059_00260_27869_4973.N1	30-JUN-2007 00:22:34	Straylight	41.500	148	Alp Tuc	2.8780	4100.0	83	27869	No
4	GOM_NL__2PRFIN20070630_002658_000000402059_00260_27869_4974.N1	30-JUN-2007 00:26:58	Straylight	40.000	45	Alp Pav	1.9400	26000.	80	27869	No
5	GOM_NL__2PRFIN20070630_003221_000000372059_00260_27869_4975.N1	30-JUN-2007 00:32:21	Straylight	36.500	147	Alp Ara	2.8770	26000.	73	27869	No
6	GOM_NL__2PRFIN20070630_003409_000000422059_00260_27869_4976.N1	30-JUN-2007 00:34:09	Twilight	41.500	40	The Sco	1.8590	7100.0	83	27869	No
7	GOM_NL__2PRFIN20070630_003549_000000392059_00260_27869_4977.N1	30-JUN-2007 00:35:49	Twilight	39.000	25	35Lam Sco	1.6200	28000.	78	27869	No
8	GOM_NL__2PRFIN20070630_003713_000000532059_00260_27869_4978.N1	30-JUN-2007 00:37:13	Bright	53.000	116	19Del Sgr	2.7000	4100.0	106	27869	No
9	GOM_NL__2PRFIN20070630_004202_000000362059_00260_27869_4979.N1	30-JUN-2007 00:42:02	Bright	35.500	86	35Eta Oph	2.4300	10200.	71	27869	No
10	GOM_NL__2PRFIN20070630_004347_000000362059_00260_27869_4980.N1	30-JUN-2007 00:43:47	Bright	35.500	98	13Zet Oph	2.5710	30000.	71	27869	No
11	GOM_NL__2PRFIN20070630_004745_000000382059_00260_27869_4981.N1	30-JUN-2007 00:47:45	Bright	37.500	126	60Bet Oph	2.7700	4250.0	75	27869	No
12	GOM_NL__2PRFIN20070630_005005_000000382059_00260_27869_4982.N1	30-JUN-2007 00:50:05	Bright	37.500	59	55Alp Oph	2.0800	8900.0	75	27869	No
13	GOM_NL__2PRFIN20070630_005243_000000342059_00260_27869_4983.N1	30-JUN-2007 00:52:43	Bright	34.000	127	27Bet Her	2.7810	4700.0	68	27869	No
14	GOM_NL__2PRFIN20070630_005529_000000362059_00260_27869_4984.N1	30-JUN-2007 00:55:29	Bright	35.500	133	40Zet Her	2.8070	6000.0	71	27869	No
15	GOM_NL__2PRFIN20070630_010135_000000362059_00260_27869_4985.N1	30-JUN-2007 01:01:35	Bright	36.000	130	23Bet Dra	2.7990	5800.0	72	27869	No
16	GOM_NL__2PRFIN20070630_010354_000000372059_00260_27869_4986.N1	30-JUN-2007 01:03:54	Bright	36.500	119	14Eta Dra	2.7270	4700.0	73	27869	No
17	GOM_NL__2PRFIN20070630_010751_000000372059_00260_27869_4987.N1	30-JUN-2007 01:07:51	Bright	37.000	60	7Bet UMi	2.0810	3950.0	74	27869	No
18	GOM_NL__2PRFIN20070630_011208_000000332059_00260_27869_4988.N1	30-JUN-2007 01:12:08	Bright	33.000	49	1Alp UMi	1.9900	6300.0	66	27869	No
19	GOM_NL__2PRFIN20070630_012226_000000552059_00260_27869_4989.N1	30-JUN-2007 01:22:26	Bright	55.000	160	23Gam Per	2.9300	4700.0	110	27869	No
20	GOM_NL__2PRFIN20070630_012407_000000342059_00260_27869_4990.N1	30-JUN-2007 01:24:07	Bright	34.000	175	39Del Per	3.0100	19400.	68	27869	No
21	GOM_NL__2PRFIN20070630_012616_000000302059_00260_27869_4991.N1	30-JUN-2007 01:26:16	Bright	30.000	79	26Bet Per	2.3100	13100.	60	27869	No
22	GOM_NL__2PRFIN20070630_013732_000000472059_00260_27869_4992.N1	30-JUN-2007 01:37:32	Dark	46.500	94	92Alp Cet	2.5260	3100.0	93	27869	No
23	GOM_NL__2PRFIN20070630_014118_000000362059_00260_27869_4993.N1	30-JUN-2007 01:41:18	Dark	35.500	165	34Gam Eri	2.9500	3200.0	71	27869	No
24	GOM_NL__2PRFIN20070630_015545_000000402059_00261_27870_4995.N1	30-JUN-2007 01:55:45	Dark	40.000	9	Alp Eri	0.45300	24000.	80	27870	No
25	GOM_NL__2PRFIN20070630_020310_000000422059_00261_27870_4996.N1	30-JUN-2007 02:03:10	Straylight	41.500	148	Alp Tuc	2.8780	4100.0	83	27870	No
26	GOM_NL__2PRFIN20070630_020734_000000432059_00261_27870_4997.N1	30-JUN-2007 02:07:34	Straylight	43.000	45	Alp Pav	1.9400	26000.	86	27870	No
27	GOM_NL__2PRFIN20070630_021257_000000382059_00261_27870_4998.N1	30-JUN-2007 02:12:57	Straylight	38.000	147	Alp Ara	2.8770	26000.	76	27870	No
28	GOM_NL__2PRFIN20070630_021445_000000452059_00261_27870_4999.N1	30-JUN-2007 02:14:45	Twilight	44.500	40	The Sco	1.8590	7100.0	89	27870	No
29	GOM_NL__2PRFIN20070630_021625_000000422059_00261_27870_5000.N1	30-JUN-2007 02:16:25	Twilight	41.500	25	35Lam Sco	1.6200	28000.	83	27870	No
30	GOM_NL__2PRFIN20070630_022238_000000372059_00261_27870_5001.N1	30-JUN-2007 02:22:38	Bright	37.000	86	35Eta Oph	2.4300	10200.	74	27870	No
31	GOM_NL__2PRFIN20070630_022423_000000362059_00261_27870_5002.N1	30-JUN-2007 02:24:23	Bright	35.500	98	13Zet Oph	2.5710	30000.	71	27870	No
32	GOM_NL__2PRFIN20070630_022821_000000372059_00261_27870_5003.N1	30-JUN-2007 02:28:21	Bright	37.000	126	60Bet Oph	2.7700	4250.0	74	27870	No
33	GOM_NL__2PRFIN20070630_023041_000000392059_00261_27870_5004.N1	30-JUN-2007 02:30:41	Bright	38.500	59	55Alp Oph	2.0800	8900.0	77	27870	No
34	GOM_NL__2PRFIN20070630_023319_000000372059_00261_27870_5005.N1	30-JUN-2007 02:33:19	Bright	36.500	127	27Bet Her	2.7810	4700.0	73	27870	No
35	GOM_NL__2PRFIN20070630_023605_000000372059_00261_27870_5006.N1	30-JUN-2007 02:36:05	Bright	36.500	133	40Zet Her	2.8070	6000.0	73	27870	No
36	GOM_NL__2PRFIN20070630_024210_000000372059_00261_27870_5007.N1	30-JUN-2007 02:42:10	Bright	36.500	130	23Bet Dra	2.7990	5800.0	73	27870	No
37	GOM_NL__2PRFIN20070630_024430_000000332059_00261_27870_5008.N1	30-JUN-2007 02:44:30	Bright	32.500	119	14Eta Dra	2.7270	4700.0	65	27870	No
38	GOM_NL__2PRFIN20070630_024827_000000332059_00261_27870_5009.N1	30-JUN-2007 02:48:27	Bright	32.500	60	7Bet UMi	2.0810	3950.0	65	27870	No
39	GOM_NL__2PRFIN20070630_025244_000000342059_00261_27870_5010.N1	30-JUN-2007 02:52:44	Bright	34.000	49	1Alp UMi	1.9900	6300.0	68	27870	No
40	GOM_NL__2PRFIN20070630_030302_000000372059_00261_27870_5011.N1	30-JUN-2007 03:03:02	Bright	36.500	160	23Gam Per	2.9300	4700.0	73	27870	No
41	GOM_NL__2PRFIN20070630_030443_000000342059_00261_27870_5012.N1	30-JUN-2007 03:04:43	Bright	34.000	175	39Del Per	3.0100	19400.	68	27870	No
42	GOM_NL__2PRFIN20070630_031808_000000392059_00261_27870_5013.N1	30-JUN-2007 03:18:08	Dark	39.000	94	92Alp Cet	2.5260	3100.0	78	27870	No

43	GOM_NL__2PRFIN20070630_032154_000000372059_00261_27870_5014.N1	30-JUN-2007 03:21:54	Dark	37.000	165	34Gam Eri	2.9500	3200.0	74	27870	No
44	GOM_NL__2PRFIN20070630_033621_000000432059_00262_27871_5006.N1	30-JUN-2007 03:36:21	Dark	42.500	9	Alp Eri	0.45300	24000.	85	27871	No
45	GOM_NL__2PRFIN20070630_034347_000000432059_00262_27871_5007.N1	30-JUN-2007 03:43:47	Straylight	43.000	148	Alp Tuc	2.8780	4100.0	86	27871	No
46	GOM_NL__2PRFIN20070630_034811_000000422059_00262_27871_5008.N1	30-JUN-2007 03:48:11	Straylight	42.000	45	Alp Pav	1.9400	26000.	84	27871	No
47	GOM_NL__2PRFIN20070630_035334_000000372059_00262_27871_5009.N1	30-JUN-2007 03:53:34	Straylight	37.000	147	Alp Ara	2.8770	26000.	74	27871	No
48	GOM_NL__2PRFIN20070630_035521_000000402059_00262_27871_5010.N1	30-JUN-2007 03:55:21	Tw_i_and_stray	40.000	40	The Sco	1.8590	7100.0	80	27871	No
49	GOM_NL__2PRFIN20070630_035701_000000422059_00262_27871_5011.N1	30-JUN-2007 03:57:01	Tw_i_and_stray	41.500	25	35Lam Sco	1.6200	28000.	83	27871	No
50	GOM_NL__2PRFIN20070630_040314_000000372059_00262_27871_5012.N1	30-JUN-2007 04:03:14	Bright	36.500	86	35Eta Oph	2.4300	10200.	73	27871	No
51	GOM_NL__2PRFIN20070630_040459_000000362059_00262_27871_5013.N1	30-JUN-2007 04:04:59	Bright	35.500	98	13Zet Oph	2.5710	30000.	71	27871	No
52	GOM_NL__2PRFIN20070630_040857_000000372059_00262_27871_5014.N1	30-JUN-2007 04:08:57	Bright	36.500	126	60Bet Oph	2.7700	4250.0	73	27871	No
53	GOM_NL__2PRFIN20070630_041117_000000392059_00262_27871_5015.N1	30-JUN-2007 04:11:17	Bright	38.500	59	55Alp Oph	2.0800	8900.0	77	27871	No
54	GOM_NL__2PRFIN20070630_041356_000000342059_00262_27871_5016.N1	30-JUN-2007 04:13:56	Bright	33.500	127	27Bet Her	2.7810	4700.0	67	27871	No
55	GOM_NL__2PRFIN20070630_041641_000000342059_00262_27871_5017.N1	30-JUN-2007 04:16:41	Bright	33.500	133	40Zet Her	2.8070	6000.0	67	27871	No
56	GOM_NL__2PRFIN20070630_042246_000000362059_00262_27871_5018.N1	30-JUN-2007 04:22:46	Bright	35.500	130	23Bet Dra	2.7990	5800.0	71	27871	No
57	GOM_NL__2PRFIN20070630_042506_000000362059_00262_27871_5019.N1	30-JUN-2007 04:25:06	Bright	35.500	119	14Eta Dra	2.7270	4700.0	71	27871	No
58	GOM_NL__2PRFIN20070630_042903_000000362059_00262_27871_5020.N1	30-JUN-2007 04:29:03	Bright	36.000	60	7Bet UMi	2.0810	3950.0	72	27871	No
59	GOM_NL__2PRFIN20070630_043320_000000362059_00262_27871_5021.N1	30-JUN-2007 04:33:20	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	27871	No
60	GOM_NL__2PRFIN20070630_044338_000000552059_00262_27871_5022.N1	30-JUN-2007 04:43:38	Bright	55.000	160	23Gam Per	2.9300	4700.0	110	27871	No
61	GOM_NL__2PRFIN20070630_044519_000000422059_00262_27871_5023.N1	30-JUN-2007 04:45:19	Bright	41.500	175	39Del Per	3.0100	19400.	83	27871	No
62	GOM_NL__2PRFIN20070630_045844_000000402059_00262_27871_5024.N1	30-JUN-2007 04:58:44	Dark	40.000	94	92Alp Cet	2.5260	3100.0	80	27871	No
63	GOM_NL__2PRFIN20070630_050231_000000392059_00262_27871_5025.N1	30-JUN-2007 05:02:31	Dark	38.500	165	34Gam Eri	2.9500	3200.0	77	27871	No
64	GOM_NL__2PRFIN20070630_051658_000000422059_00263_27872_5021.N1	30-JUN-2007 05:16:58	Dark	41.500	9	Alp Eri	0.45300	24000.	83	27872	No
65	GOM_NL__2PRFIN20070630_052423_000000432059_00263_27872_5022.N1	30-JUN-2007 05:24:23	Straylight	42.500	148	Alp Tuc	2.8780	4100.0	85	27872	No
66	GOM_NL__2PRFIN20070630_052847_000000432059_00263_27872_5023.N1	30-JUN-2007 05:28:47	Straylight	43.000	45	Alp Pav	1.9400	26000.	86	27872	No
67	GOM_NL__2PRFIN20070630_053410_000000372059_00263_27872_5024.N1	30-JUN-2007 05:34:10	Straylight	36.500	147	Alp Ara	2.8770	26000.	73	27872	No
68	GOM_NL__2PRFIN20070630_053558_000000392059_00263_27872_5025.N1	30-JUN-2007 05:35:58	Tw_i_and_stray	39.000	40	The Sco	1.8590	7100.0	78	27872	No
69	GOM_NL__2PRFIN20070630_053738_000000422059_00263_27872_5026.N1	30-JUN-2007 05:37:38	Tw_i_and_stray	42.000	25	35Lam Sco	1.6200	28000.	84	27872	No
70	GOM_NL__2PRFIN20070630_053904_000000432059_00263_27872_5027.N1	30-JUN-2007 05:39:04	Bright	42.500	167	10Gam2Sgr	2.9840	4500.0	85	27872	No
71	GOM_NL__2PRFIN20070630_054351_000000372059_00263_27872_5028.N1	30-JUN-2007 05:43:51	Bright	36.500	86	35Eta Oph	2.4300	10200.	73	27872	No
72	GOM_NL__2PRFIN20070630_054536_000000362059_00263_27872_5029.N1	30-JUN-2007 05:45:36	Bright	36.000	98	13Zet Oph	2.5710	30000.	72	27872	No
73	GOM_NL__2PRFIN20070630_054933_000000362059_00263_27872_5030.N1	30-JUN-2007 05:49:33	Bright	36.000	126	60Bet Oph	2.7700	4250.0	72	27872	No
74	GOM_NL__2PRFIN20070630_055153_000000392059_00263_27872_5031.N1	30-JUN-2007 05:51:53	Bright	38.500	59	55Alp Oph	2.0800	8900.0	77	27872	No
75	GOM_NL__2PRFIN20070630_055432_000000342059_00263_27872_5032.N1	30-JUN-2007 05:54:32	Bright	33.500	127	27Bet Her	2.7810	4700.0	67	27872	No
76	GOM_NL__2PRFIN20070630_055717_000000362059_00263_27872_5033.N1	30-JUN-2007 05:57:17	Bright	36.000	133	40Zet Her	2.8070	6000.0	72	27872	No
77	GOM_NL__2PRFIN20070630_060322_000000372059_00263_27872_5034.N1	30-JUN-2007 06:03:22	Bright	37.000	130	23Bet Dra	2.7990	5800.0	74	27872	No
78	GOM_NL__2PRFIN20070630_060542_000000352059_00263_27872_5035.N1	30-JUN-2007 06:05:42	Bright	34.500	119	14Eta Dra	2.7270	4700.0	69	27872	No
79	GOM_NL__2PRFIN20070630_060939_000000372059_00263_27872_5036.N1	30-JUN-2007 06:09:39	Bright	37.000	60	7Bet UMi	2.0810	3950.0	74	27872	No
80	GOM_NL__2PRFIN20070630_061356_000000352059_00263_27872_5037.N1	30-JUN-2007 06:13:56	Bright	34.500	49	1Alp UMi	1.9900	6300.0	69	27872	No
81	GOM_NL__2PRFIN20070630_062414_000000502059_00263_27872_5038.N1	30-JUN-2007 06:24:14	Bright	50.000	160	23Gam Per	2.9300	4700.0	100	27872	No
82	GOM_NL__2PRFIN20070630_062555_000000332059_00263_27872_5039.N1	30-JUN-2007 06:25:55	Bright	33.000	175	39Del Per	3.0100	19400.	66	27872	No
83	GOM_NL__2PRFIN20070630_063921_000000452059_00263_27872_5040.N1	30-JUN-2007 06:39:21	Dark	44.500	94	92Alp Cet	2.5260	3100.0	89	27872	No
84	GOM_NL__2PRFIN20070630_064307_000000362059_00263_27872_5041.N1	30-JUN-2007 06:43:07	Dark	35.500	165	34Gam Eri	2.9500	3200.0	71	27872	No
85	GOM_NL__2PRFIN20070630_065734_000000522059_00264_27873_5036.N1	30-JUN-2007 06:57:34	Dark	52.000	9	Alp Eri	0.45300	24000.	104	27873	No
86	GOM_NL__2PRFIN20070630_070500_000000402059_00264_27873_5037.N1	30-JUN-2007 07:05:00	Straylight	39.500	148	Alp Tuc	2.8780	4100.0	79	27873	No
87	GOM_NL__2PRFIN20070630_070924_000000432059_00264_27873_5038.N1	30-JUN-2007 07:09:24	Straylight	43.000	45	Alp Pav	1.9400	26000.	86	27873	No
88	GOM_NL__2PRFIN20070630_071446_000000392059_00264_27873_5039.N1	30-JUN-2007 07:14:46	Tw_i_and_stray	39.000	147	Alp Ara	2.8770	26000.	78	27873	No
89	GOM_NL__2PRFIN20070630_071634_000000422059_00264_27873_5040.N1	30-JUN-2007 07:16:34	Tw_i_and_stray	42.000	40	The Sco	1.8590	7100.0	84	27873	No
90	GOM_NL__2PRFIN20070630_071814_000000402059_00264_27873_5041.N1	30-JUN-2007 07:18:14	Tw_i_and_stray	39.500	25	35Lam Sco	1.6200	28000.	79	27873	No
91	GOM_NL__2PRFIN20070630_071941_000000442059_00264_27873_5042.N1	30-JUN-2007 07:19:41	Bright	43.500	167	10Gam2Sgr	2.9840	4500.0	87	27873	No
92	GOM_NL__2PRFIN20070630_072427_000000372059_00264_27873_5043.N1	30-JUN-2007 07:24:27	Bright	36.500	86	35Eta Oph	2.4300	10200.	73	27873	No
93	GOM_NL__2PRFIN20070630_072612_000000362059_00264_27873_5044.N1	30-JUN-2007 07:26:12	Bright	35.500	98	13Zet Oph	2.5710	30000.	71	27873	No
94	GOM_NL__2PRFIN20070630_073009_000000362059_00264_27873_5045.N1	30-JUN-2007 07:30:09	Bright	36.000	126	60Bet Oph	2.7700	4250.0	72	27873	No
95	GOM_NL__2PRFIN20070630_073229_000000372059_00264_27873_5046.N1	30-JUN-2007 07:32:29	Bright	36.500	59	55Alp Oph	2.0800	8900.0	73	27873	No
96	GOM_NL__2PRFIN20070630_073508_000000362059_00264_27873_5047.N1	30-JUN-2007 07:35:08	Bright	35.500	127	27Bet Her	2.7810	4700.0	71	27873	No
97	GOM_NL__2PRFIN20070630_073753_000000352059_00264_27873_5048.N1	30-JUN-2007 07:37:53	Bright	34.500	133	40Zet Her	2.8070	6000.0	69	27873	No
98	GOM_NL__2PRFIN20070630_074358_000000392059_00264_27873_5049.N1	30-JUN-2007 07:43:58	Bright	38.500	130	23Bet Dra	2.7990	5800.0	77	27873	No
99	GOM_NL__2PRFIN20070630_074618_000000362059_00264_27873_5050.N1	30-JUN-2007 07:46:18	Bright	35.500	119	14Eta Dra	2.7270	4700.0	71	27873	No
100	GOM_NL__2PRFIN20070630_075016_000000332059_00264_27873_5051.N1	30-JUN-2007 07:50:16	Bright	33.000	60	7Bet UMi	2.0810	3950.0	66	27873	No
101	GOM_NL__2PRFIN20070630_075432_000000342059_00264_27873_5052.N1	30-JUN-2007 07:54:32	Bright	33.500	49	1Alp UMi	1.9900	6300.0	67	27873	No

102	GOM_NL__2PRFIN20070630_080450_000000552059_00264_27873_5053.N1	30-JUN-2007 08:04:50	Bright	54.500	160	23Gam Per	2.9300	4700.0	109	27873	No
103	GOM_NL__2PRFIN20070630_080631_000000332059_00264_27873_5054.N1	30-JUN-2007 08:06:31	Bright	33.000	175	39Del Per	3.0100	19400.	66	27873	No
104	GOM_NL__2PRFIN20070630_081957_000000442059_00264_27873_5055.N1	30-JUN-2007 08:19:57	Dark	44.000	94	92Alp Cet	2.5260	3100.0	88	27873	No
105	GOM_NL__2PRFIN20070630_082343_000000442059_00264_27873_5056.N1	30-JUN-2007 08:23:43	Dark	43.500	165	34Gam Eri	2.9500	3200.0	87	27873	No
106	GOM_NL__2PRFIN20070630_083811_000000402059_00265_27874_5047.N1	30-JUN-2007 08:38:11	Dark	39.500	9	Alp Eri	0.45300	24000.	79	27874	No
107	GOM_NL__2PRFIN20070630_084536_000000422059_00265_27874_5048.N1	30-JUN-2007 08:45:36	Straylight	42.000	148	Alp Tuc	2.8780	4100.0	84	27874	No
108	GOM_NL__2PRFIN20070630_085000_000000432059_00265_27874_5049.N1	30-JUN-2007 08:50:00	Straylight	43.000	45	Alp Pav	1.9400	26000.	86	27874	No
109	GOM_NL__2PRFIN20070630_085522_000000372059_00265_27874_5050.N1	30-JUN-2007 08:55:22	Straylight	36.500	147	Alp Ara	2.8770	26000.	73	27874	No
110	GOM_NL__2PRFIN20070630_085710_000000392059_00265_27874_5051.N1	30-JUN-2007 08:57:10	Twi_and_stray	38.500	40	The Sco	1.8590	7100.0	77	27874	No
111	GOM_NL__2PRFIN20070630_085850_000000402059_00265_27874_5052.N1	30-JUN-2007 08:58:50	Twi_and_stray	40.000	25	35Lam Sco	1.6200	28000.	80	27874	No
112	GOM_NL__2PRFIN20070630_090017_000000502059_00265_27874_5053.N1	30-JUN-2007 09:00:17	Bright	49.500	167	10Gam2Sgr	2.9840	4500.0	99	27874	No
113	GOM_NL__2PRFIN20070630_090503_000000362059_00265_27874_5054.N1	30-JUN-2007 09:05:03	Bright	36.000	86	35Eta Oph	2.4300	10200.	72	27874	No
114	GOM_NL__2PRFIN20070630_090648_000000362059_00265_27874_5055.N1	30-JUN-2007 09:06:48	Bright	36.000	98	13Zet Oph	2.5710	30000.	72	27874	No
115	GOM_NL__2PRFIN20070630_091045_000000362059_00265_27874_5056.N1	30-JUN-2007 09:10:45	Bright	36.000	126	60Bet Oph	2.7700	4250.0	72	27874	No
116	GOM_NL__2PRFIN20070630_091305_000000382059_00265_27874_5057.N1	30-JUN-2007 09:13:05	Bright	38.000	59	55Alp Oph	2.0800	8900.0	76	27874	No
117	GOM_NL__2PRFIN20070630_091544_000000352059_00265_27874_5058.N1	30-JUN-2007 09:15:44	Bright	34.500	127	27Bet Her	2.7810	4700.0	69	27874	No
118	GOM_NL__2PRFIN20070630_091829_000000352059_00265_27874_5059.N1	30-JUN-2007 09:18:29	Bright	34.500	133	40Zet Her	2.8070	6000.0	69	27874	No
119	GOM_NL__2PRFIN20070630_092434_000000382059_00265_27874_5060.N1	30-JUN-2007 09:24:34	Bright	38.000	130	23Bet Dra	2.7990	5800.0	76	27874	No
120	GOM_NL__2PRFIN20070630_092654_000000352059_00265_27874_5061.N1	30-JUN-2007 09:26:54	Bright	34.500	119	14Eta Dra	2.7270	4700.0	69	27874	No
121	GOM_NL__2PRFIN20070630_093052_000000362059_00265_27874_5062.N1	30-JUN-2007 09:30:52	Bright	35.500	60	7Bet UMi	2.0810	3950.0	71	27874	No
122	GOM_NL__2PRFIN20070630_093508_000000362059_00265_27874_5063.N1	30-JUN-2007 09:35:08	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	27874	No
123	GOM_NL__2PRFIN20070630_094526_000000442059_00265_27874_5064.N1	30-JUN-2007 09:45:26	Bright	43.500	160	23Gam Per	2.9300	4700.0	87	27874	No
124	GOM_NL__2PRFIN20070630_094707_000000402059_00265_27874_5065.N1	30-JUN-2007 09:47:07	Bright	39.500	175	39Del Per	3.0100	19400.	79	27874	No
125	GOM_NL__2PRFIN20070630_100033_000000492059_00265_27874_5066.N1	30-JUN-2007 10:00:33	Dark	49.000	94	92Alp Cet	2.5260	3100.0	98	27874	No
126	GOM_NL__2PRFIN20070630_100419_000000412059_00265_27874_5067.N1	30-JUN-2007 10:04:19	Dark	41.000	165	34Gam Eri	2.9500	3200.0	82	27874	No
127	GOM_NL__2PRFIN20070630_101847_000000392059_00266_27875_5068.N1	30-JUN-2007 10:18:47	Dark	38.500	9	Alp Eri	0.45300	24000.	77	27875	No
128	GOM_NL__2PRFIN20070630_102613_000000422059_00266_27875_5069.N1	30-JUN-2007 10:26:13	Straylight	41.500	148	Alp Tuc	2.8780	4100.0	83	27875	No
129	GOM_NL__2PRFIN20070630_103036_000000422059_00266_27875_5070.N1	30-JUN-2007 10:30:36	Straylight	42.000	45	Alp Pav	1.9400	26000.	84	27875	No
130	GOM_NL__2PRFIN20070630_103558_000000382059_00266_27875_5071.N1	30-JUN-2007 10:35:58	Twi_and_stray	37.500	147	Alp Ara	2.8770	26000.	75	27875	No
131	GOM_NL__2PRFIN20070630_103746_000000402059_00266_27875_5072.N1	30-JUN-2007 10:37:46	Twi_and_stray	40.000	40	The Sco	1.8590	7100.0	80	27875	No
132	GOM_NL__2PRFIN20070630_103926_000000402059_00266_27875_5073.N1	30-JUN-2007 10:39:26	Twi_and_stray	39.500	25	35Lam Sco	1.6200	28000.	79	27875	No
133	GOM_NL__2PRFIN20070630_104053_000000452059_00266_27875_5074.N1	30-JUN-2007 10:40:53	Bright	45.000	167	10Gam2Sgr	2.9840	4500.0	90	27875	No
134	GOM_NL__2PRFIN20070630_104539_000000362059_00266_27875_5075.N1	30-JUN-2007 10:45:39	Bright	36.000	86	35Eta Oph	2.4300	10200.	72	27875	No
135	GOM_NL__2PRFIN20070630_104724_000000372059_00266_27875_5076.N1	30-JUN-2007 10:47:24	Bright	36.500	98	13Zet Oph	2.5710	30000.	73	27875	No
136	GOM_NL__2PRFIN20070630_105120_000000362059_00266_27875_5077.N1	30-JUN-2007 10:51:20	Bright	35.500	126	60Bet Oph	2.7700	4250.0	71	27875	No
137	GOM_NL__2PRFIN20070630_105341_000000372059_00266_27875_5078.N1	30-JUN-2007 10:53:41	Bright	37.000	59	55Alp Oph	2.0800	8900.0	74	27875	No
138	GOM_NL__2PRFIN20070630_105620_000000362059_00266_27875_5079.N1	30-JUN-2007 10:56:20	Bright	36.000	127	27Bet Her	2.7810	4700.0	72	27875	No
139	GOM_NL__2PRFIN20070630_105905_000000352059_00266_27875_5080.N1	30-JUN-2007 10:59:05	Bright	35.000	133	40Zet Her	2.8070	6000.0	70	27875	No
140	GOM_NL__2PRFIN20070630_110509_000000382059_00266_27875_5081.N1	30-JUN-2007 11:05:09	Bright	37.500	130	23Bet Dra	2.7990	5800.0	75	27875	No
141	GOM_NL__2PRFIN20070630_110730_000000362059_00266_27875_5082.N1	30-JUN-2007 11:07:30	Bright	36.000	119	14Eta Dra	2.7270	4700.0	72	27875	No
142	GOM_NL__2PRFIN20070630_111128_000000372059_00266_27875_5083.N1	30-JUN-2007 11:11:28	Bright	36.500	60	7Bet UMi	2.0810	3950.0	73	27875	No
143	GOM_NL__2PRFIN20070630_111543_000000372059_00266_27875_5084.N1	30-JUN-2007 11:15:43	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	27875	No
144	GOM_NL__2PRFIN20070630_112602_000000392059_00266_27875_5085.N1	30-JUN-2007 11:26:02	Bright	38.500	160	23Gam Per	2.9300	4700.0	77	27875	No
145	GOM_NL__2PRFIN20070630_112743_000000462059_00266_27875_5086.N1	30-JUN-2007 11:27:43	Bright	46.000	175	39Del Per	3.0100	19400.	92	27875	No
146	GOM_NL__2PRFIN20070630_114109_000000462059_00266_27875_5087.N1	30-JUN-2007 11:41:09	Dark	46.000	94	92Alp Cet	2.5260	3100.0	92	27875	No
147	GOM_NL__2PRFIN20070630_114455_000000442059_00266_27875_5088.N1	30-JUN-2007 11:44:55	Dark	43.500	165	34Gam Eri	2.9500	3200.0	87	27875	No
148	GOM_NL__2PRFIN20070630_115923_000000482059_00267_27876_5082.N1	30-JUN-2007 11:59:23	Dark	48.000	9	Alp Eri	0.45300	24000.	96	27876	No
149	GOM_NL__2PRFIN20070630_120649_000000422059_00267_27876_5083.N1	30-JUN-2007 12:06:49	Straylight	42.000	148	Alp Tuc	2.8780	4100.0	84	27876	No
150	GOM_NL__2PRFIN20070630_121113_000000412059_00267_27876_5084.N1	30-JUN-2007 12:11:13	Straylight	40.500	45	Alp Pav	1.9400	26000.	81	27876	No
151	GOM_NL__2PRFIN20070630_121634_000000372059_00267_27876_5085.N1	30-JUN-2007 12:16:34	Twi_and_stray	36.500	147	Alp Ara	2.8770	26000.	73	27876	No
152	GOM_NL__2PRFIN20070630_121822_000000392059_00267_27876_5086.N1	30-JUN-2007 12:18:22	Twi_and_stray	39.000	40	The Sco	1.8590	7100.0	78	27876	No
153	GOM_NL__2PRFIN20070630_122002_000000412059_00267_27876_5087.N1	30-JUN-2007 12:20:02	Twi_and_stray	41.000	25	35Lam Sco	1.6200	28000.	82	27876	No
154	GOM_NL__2PRFIN20070630_122126_000000482059_00267_27876_5088.N1	30-JUN-2007 12:21:26	Bright	47.500	116	19Del Sgr	2.7000	4100.0	95	27876	No
155	GOM_NL__2PRFIN20070630_122239_000000412059_00267_27876_5089.N1	30-JUN-2007 12:22:39	Bright	41.000	137	22Lam Sgr	2.8240	4400.0	82	27876	No
156	GOM_NL__2PRFIN20070630_122615_000000372059_00267_27876_5090.N1	30-JUN-2007 12:26:15	Bright	36.500	86	35Eta Oph	2.4300	10200.	73	27876	No
157	GOM_NL__2PRFIN20070630_122800_000000372059_00267_27876_5091.N1	30-JUN-2007 12:28:00	Bright	36.500	98	13Zet Oph	2.5710	30000.	73	27876	No
158	GOM_NL__2PRFIN20070630_123156_000000372059_00267_27876_5092.N1	30-JUN-2007 12:31:56	Bright	36.500	126	60Bet Oph	2.7700	4250.0	73	27876	No
159	GOM_NL__2PRFIN20070630_123417_000000362059_00267_27876_5093.N1	30-JUN-2007 12:34:17	Bright	35.500	59	55Alp Oph	2.0800	8900.0	71	27876	No
160	GOM_NL__2PRFIN20070630_123656_000000372059_00267_27876_5094.N1	30-JUN-2007 12:36:56	Bright	36.500	127	27Bet Her	2.7810	4700.0	73	27876	No



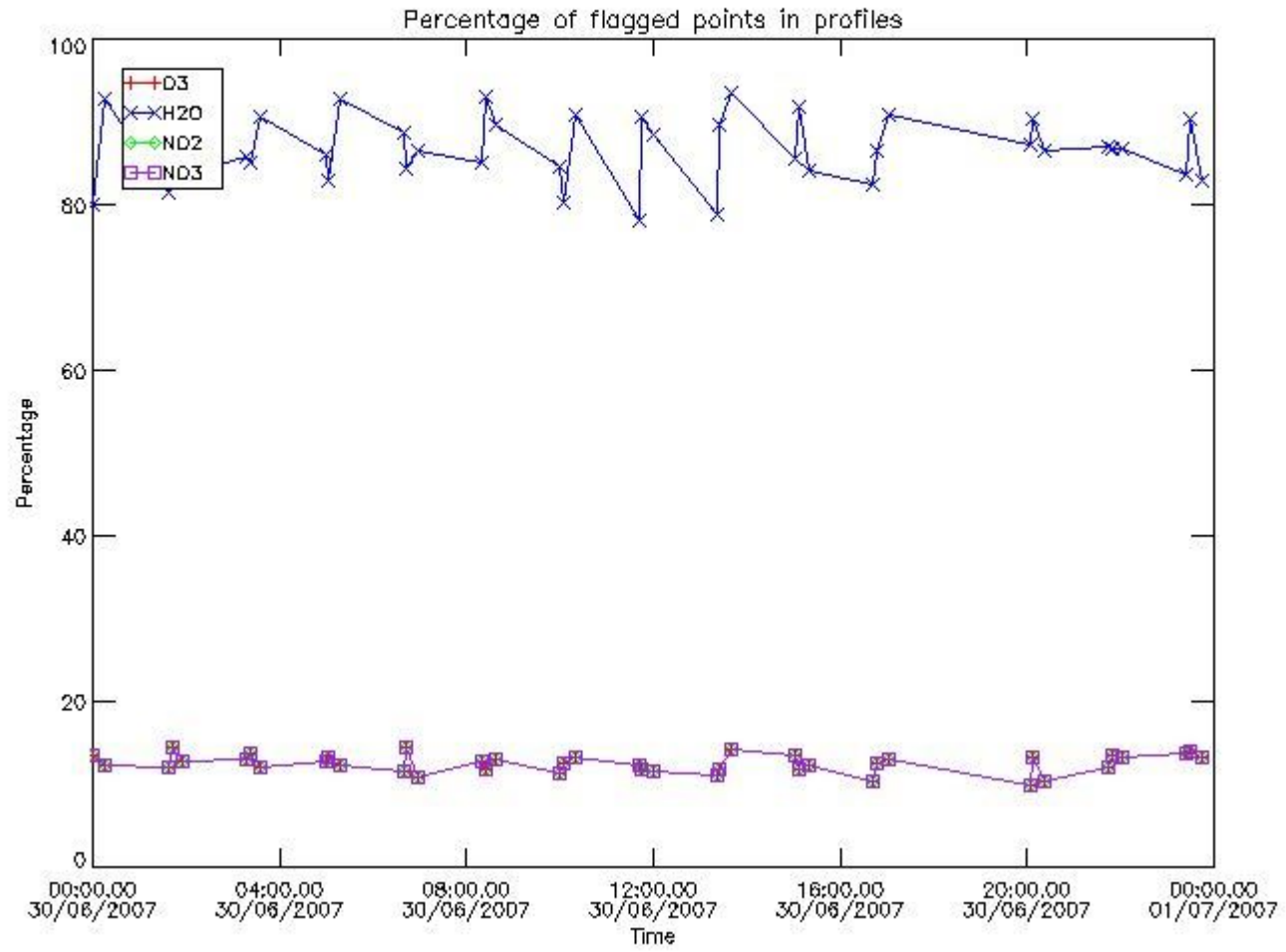
161	GOM_NL__2PRFIN20070630_123941_000000362059_00267_27876_5095.N1	30-JUN-2007 12:39:41	Bright	35.500	133	40Zet Her	2.8070	6000.0	71	27876	No
162	GOM_NL__2PRFIN20070630_124545_000000372059_00267_27876_5096.N1	30-JUN-2007 12:45:45	Bright	37.000	130	23Bet Dra	2.7990	5800.0	74	27876	No
163	GOM_NL__2PRFIN20070630_124806_000000372059_00267_27876_5097.N1	30-JUN-2007 12:48:06	Bright	36.500	119	14Eta Dra	2.7270	4700.0	73	27876	No
164	GOM_NL__2PRFIN20070630_125204_000000372059_00267_27876_5098.N1	30-JUN-2007 12:52:04	Bright	37.000	60	7Bet UMi	2.0810	3950.0	74	27876	No
165	GOM_NL__2PRFIN20070630_125619_000000362059_00267_27876_5099.N1	30-JUN-2007 12:56:19	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	27876	No
166	GOM_NL__2PRFIN20070630_130638_000000392059_00267_27876_5100.N1	30-JUN-2007 13:06:38	Bright	39.000	160	23Gam Per	2.9300	4700.0	78	27876	No
167	GOM_NL__2PRFIN20070630_130819_000000332059_00267_27876_5101.N1	30-JUN-2007 13:08:19	Bright	33.000	175	39Del Per	3.0100	19400.	66	27876	No
168	GOM_NL__2PRFIN20070630_132146_000000462059_00267_27876_5102.N1	30-JUN-2007 13:21:46	Dark	45.500	94	92Alp Cet	2.5260	3100.0	91	27876	No
169	GOM_NL__2PRFIN20070630_132531_000000442059_00267_27876_5103.N1	30-JUN-2007 13:25:31	Dark	43.500	165	34Gam Eri	2.9500	3200.0	87	27876	No
170	GOM_NL__2PRFIN20070630_134000_000000402059_00268_27877_5119.N1	30-JUN-2007 13:40:00	Dark	39.500	9	Alp Eri	0.45300	24000.	79	27877	No
171	GOM_NL__2PRFIN20070630_134726_000000422059_00268_27877_5120.N1	30-JUN-2007 13:47:26	Straylight	42.000	148	Alp Tuc	2.8780	4100.0	84	27877	No
172	GOM_NL__2PRFIN20070630_135149_000000412059_00268_27877_5121.N1	30-JUN-2007 13:51:49	Straylight	40.500	45	Alp Pav	1.9400	26000.	81	27877	No
173	GOM_NL__2PRFIN20070630_135710_000000372059_00268_27877_5122.N1	30-JUN-2007 13:57:10	Tw_i_and_stray	37.000	147	Alp Ara	2.8770	26000.	74	27877	No
174	GOM_NL__2PRFIN20070630_135858_000000422059_00268_27877_5123.N1	30-JUN-2007 13:58:58	Tw_i_and_stray	42.000	40	The Sco	1.8590	7100.0	84	27877	No
175	GOM_NL__2PRFIN20070630_140038_000000412059_00268_27877_5124.N1	30-JUN-2007 14:00:38	Tw_i_and_stray	41.000	25	35Lam Sco	1.6200	28000.	82	27877	No
176	GOM_NL__2PRFIN20070630_140203_000000542059_00268_27877_5125.N1	30-JUN-2007 14:02:03	Bright	54.000	116	19Del Sgr	2.7000	4100.0	108	27877	No
177	GOM_NL__2PRFIN20070630_140315_000000402059_00268_27877_5126.N1	30-JUN-2007 14:03:15	Bright	39.500	137	22Lam Sgr	2.8240	4400.0	79	27877	No
178	GOM_NL__2PRFIN20070630_140651_000000372059_00268_27877_5127.N1	30-JUN-2007 14:06:51	Bright	36.500	86	35Eta Oph	2.4300	10200.	73	27877	No
179	GOM_NL__2PRFIN20070630_140836_000000362059_00268_27877_5128.N1	30-JUN-2007 14:08:36	Bright	36.000	98	13Zet Oph	2.5710	30000.	72	27877	No
180	GOM_NL__2PRFIN20070630_141232_000000372059_00268_27877_5129.N1	30-JUN-2007 14:12:32	Bright	37.000	126	60Bet Oph	2.7700	4250.0	74	27877	No
181	GOM_NL__2PRFIN20070630_141452_000000382059_00268_27877_5130.N1	30-JUN-2007 14:14:52	Bright	38.000	59	55Alp Oph	2.0800	8900.0	76	27877	No
182	GOM_NL__2PRFIN20070630_141732_000000342059_00268_27877_5131.N1	30-JUN-2007 14:17:32	Bright	34.000	127	27Bet Her	2.7810	4700.0	68	27877	No
183	GOM_NL__2PRFIN20070630_142017_000000352059_00268_27877_5132.N1	30-JUN-2007 14:20:17	Bright	34.500	133	40Zet Her	2.8070	6000.0	69	27877	No
184	GOM_NL__2PRFIN20070630_142621_000000372059_00268_27877_5133.N1	30-JUN-2007 14:26:21	Bright	37.000	130	23Bet Dra	2.7990	5800.0	74	27877	No
185	GOM_NL__2PRFIN20070630_142842_000000372059_00268_27877_5134.N1	30-JUN-2007 14:28:42	Bright	37.000	119	14Eta Dra	2.7270	4700.0	74	27877	No
186	GOM_NL__2PRFIN20070630_143240_000000372059_00268_27877_5135.N1	30-JUN-2007 14:32:40	Bright	36.500	60	7Bet UMi	2.0810	3950.0	73	27877	No
187	GOM_NL__2PRFIN20070630_143655_000000352059_00268_27877_5136.N1	30-JUN-2007 14:36:55	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	27877	No
188	GOM_NL__2PRFIN20070630_144713_000000362059_00268_27877_5137.N1	30-JUN-2007 14:47:13	Bright	36.000	160	23Gam Per	2.9300	4700.0	72	27877	No
189	GOM_NL__2PRFIN20070630_144855_000000472059_00268_27877_5138.N1	30-JUN-2007 14:48:55	Bright	47.000	175	39Del Per	3.0100	19400.	94	27877	No
190	GOM_NL__2PRFIN20070630_150222_000000462059_00268_27877_5139.N1	30-JUN-2007 15:02:22	Dark	45.500	94	92Alp Cet	2.5260	3100.0	91	27877	No
191	GOM_NL__2PRFIN20070630_150608_000000432059_00268_27877_5140.N1	30-JUN-2007 15:06:08	Dark	43.000	165	34Gam Eri	2.9500	3200.0	86	27877	No
192	GOM_NL__2PRFIN20070630_152036_000000422059_00269_27878_5134.N1	30-JUN-2007 15:20:36	Dark	41.500	9	Alp Eri	0.45300	24000.	83	27878	No
193	GOM_NL__2PRFIN20070630_152802_000000422059_00269_27878_5135.N1	30-JUN-2007 15:28:02	Straylight	41.500	148	Alp Tuc	2.8780	4100.0	83	27878	No
194	GOM_NL__2PRFIN20070630_153226_000000402059_00269_27878_5136.N1	30-JUN-2007 15:32:26	Straylight	39.500	45	Alp Pav	1.9400	26000.	79	27878	No
195	GOM_NL__2PRFIN20070630_153746_000000362059_00269_27878_5137.N1	30-JUN-2007 15:37:46	Tw_i_and_stray	36.000	147	Alp Ara	2.8770	26000.	72	27878	No
196	GOM_NL__2PRFIN20070630_153934_000000382059_00269_27878_5138.N1	30-JUN-2007 15:39:34	Tw_i_and_stray	38.000	40	The Sco	1.8590	7100.0	76	27878	No
197	GOM_NL__2PRFIN20070630_154114_000000392059_00269_27878_5139.N1	30-JUN-2007 15:41:14	Tw_i_and_stray	39.000	25	35Lam Sco	1.6200	28000.	78	27878	No
198	GOM_NL__2PRFIN20070630_154239_000000482059_00269_27878_5140.N1	30-JUN-2007 15:42:39	Bright	48.000	116	19Del Sgr	2.7000	4100.0	96	27878	No
199	GOM_NL__2PRFIN20070630_154351_000000422059_00269_27878_5141.N1	30-JUN-2007 15:43:51	Bright	42.000	137	22Lam Sgr	2.8240	4400.0	84	27878	No
200	GOM_NL__2PRFIN20070630_154727_000000372059_00269_27878_5142.N1	30-JUN-2007 15:47:27	Bright	37.000	86	35Eta Oph	2.4300	10200.	74	27878	No
201	GOM_NL__2PRFIN20070630_154912_000000362059_00269_27878_5143.N1	30-JUN-2007 15:49:12	Bright	36.000	98	13Zet Oph	2.5710	30000.	72	27878	No
202	GOM_NL__2PRFIN20070630_155308_000000382059_00269_27878_5144.N1	30-JUN-2007 15:53:08	Bright	37.500	126	60Bet Oph	2.7700	4250.0	75	27878	No
203	GOM_NL__2PRFIN20070630_155528_000000392059_00269_27878_5145.N1	30-JUN-2007 15:55:28	Bright	38.500	59	55Alp Oph	2.0800	8900.0	77	27878	No
204	GOM_NL__2PRFIN20070630_155808_000000372059_00269_27878_5146.N1	30-JUN-2007 15:58:08	Bright	36.500	127	27Bet Her	2.7810	4700.0	73	27878	No
205	GOM_NL__2PRFIN20070630_160053_000000372059_00269_27878_5147.N1	30-JUN-2007 16:00:53	Bright	36.500	133	40Zet Her	2.8070	6000.0	73	27878	No
206	GOM_NL__2PRFIN20070630_160657_000000352059_00269_27878_5148.N1	30-JUN-2007 16:06:57	Bright	35.000	130	23Bet Dra	2.7990	5800.0	70	27878	No
207	GOM_NL__2PRFIN20070630_160918_000000362059_00269_27878_5149.N1	30-JUN-2007 16:09:18	Bright	35.500	119	14Eta Dra	2.7270	4700.0	71	27878	No
208	GOM_NL__2PRFIN20070630_161316_000000332059_00269_27878_5150.N1	30-JUN-2007 16:13:16	Bright	33.000	60	7Bet UMi	2.0810	3950.0	66	27878	No
209	GOM_NL__2PRFIN20070630_161731_000000362059_00269_27878_5151.N1	30-JUN-2007 16:17:31	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	27878	No
210	GOM_NL__2PRFIN20070630_162749_000000552059_00269_27878_5152.N1	30-JUN-2007 16:27:49	Bright	55.000	160	23Gam Per	2.9300	4700.0	110	27878	No
211	GOM_NL__2PRFIN20070630_162931_000000342059_00269_27878_5153.N1	30-JUN-2007 16:29:31	Bright	33.500	175	39Del Per	3.0100	19400.	67	27878	No
212	GOM_NL__2PRFIN20070630_164259_000000552059_00269_27878_5154.N1	30-JUN-2007 16:42:59	Dark	54.500	94	92Alp Cet	2.5260	3100.0	109	27878	No
213	GOM_NL__2PRFIN20070630_164644_000000412059_00269_27878_5155.N1	30-JUN-2007 16:46:44	Dark	41.000	165	34Gam Eri	2.9500	3200.0	82	27878	No
214	GOM_NL__2PRFIN20070630_170113_000000392059_00270_27879_5144.N1	30-JUN-2007 17:01:13	Dark	38.500	9	Alp Eri	0.45300	24000.	77	27879	No
215	GOM_NL__2PRFIN20070630_184916_000000412059_00271_27880_5164.N1	30-JUN-2007 18:49:16	Straylight	41.000	148	Alp Tuc	2.8780	4100.0	82	27880	No
216	GOM_NL__2PRFIN20070630_185339_000000402059_00271_27880_5165.N1	30-JUN-2007 18:53:39	Straylight	39.500	45	Alp Pav	1.9400	26000.	79	27880	No
217	GOM_NL__2PRFIN20070630_185859_000000382059_00271_27880_5166.N1	30-JUN-2007 18:58:59	Tw_i_and_stray	38.000	147	Alp Ara	2.8770	26000.	76	27880	No
218	GOM_NL__2PRFIN20070630_190047_000000432059_00271_27880_5167.N1	30-JUN-2007 19:00:47	Tw_i_and_stray	43.000	40	The Sco	1.8590	7100.0	86	27880	No
219	GOM_NL__2PRFIN20070630_190227_000000422059_00271_27880_5168.N1	30-JUN-2007 19:02:27	Tw_i_and_stray	41.500	25	35Lam Sco	1.6200	28000.	83	27880	No

220	GOM_NL__2PRFIN20070630_190351_000000552059_00271_27880_5169.N1	30-JUN-2007 19:03:51	Bright	55.000	116	19Del Sgr	2.7000	4100.0	110	27880	No
221	GOM_NL__2PRFIN20070630_190504_000000412059_00271_27880_5170.N1	30-JUN-2007 19:05:04	Bright	41.000	137	22Lam Sgr	2.8240	4400.0	82	27880	No
222	GOM_NL__2PRFIN20070630_190839_000000372059_00271_27880_5171.N1	30-JUN-2007 19:08:39	Bright	37.000	86	35Eta Oph	2.4300	10200.	74	27880	No
223	GOM_NL__2PRFIN20070630_191420_000000382059_00271_27880_5172.N1	30-JUN-2007 19:14:20	Bright	38.000	126	60Bet Oph	2.7700	4250.0	76	27880	No
224	GOM_NL__2PRFIN20070630_191640_000000372059_00271_27880_5173.N1	30-JUN-2007 19:16:40	Bright	36.500	59	55Alp Oph	2.0800	8900.0	73	27880	No
225	GOM_NL__2PRFIN20070630_191920_000000362059_00271_27880_5174.N1	30-JUN-2007 19:19:20	Bright	36.000	127	27Bet Her	2.7810	4700.0	72	27880	No
226	GOM_NL__2PRFIN20070630_192205_000000352059_00271_27880_5175.N1	30-JUN-2007 19:22:05	Bright	34.500	133	40Zet Her	2.8070	6000.0	69	27880	No
227	GOM_NL__2PRFIN20070630_192808_000000372059_00271_27880_5176.N1	30-JUN-2007 19:28:08	Bright	36.500	130	23Bet Dra	2.7990	5800.0	73	27880	No
228	GOM_NL__2PRFIN20070630_193030_000000362059_00271_27880_5177.N1	30-JUN-2007 19:30:30	Bright	35.500	119	14Eta Dra	2.7270	4700.0	71	27880	No
229	GOM_NL__2PRFIN20070630_193428_000000332059_00271_27880_5178.N1	30-JUN-2007 19:34:28	Bright	33.000	60	7Bet UMi	2.0810	3950.0	66	27880	No
230	GOM_NL__2PRFIN20070630_193843_000000362059_00271_27880_5179.N1	30-JUN-2007 19:38:43	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	27880	No
231	GOM_NL__2PRFIN20070630_194901_000000492059_00271_27880_5180.N1	30-JUN-2007 19:49:01	Bright	49.000	160	23Gam Per	2.9300	4700.0	98	27880	No
232	GOM_NL__2PRFIN20070630_195043_000000402059_00271_27880_5181.N1	30-JUN-2007 19:50:43	Bright	39.500	175	39Del Per	3.0100	19400.	79	27880	No
233	GOM_NL__2PRFIN20070630_200412_000000522059_00271_27880_5182.N1	30-JUN-2007 20:04:12	Dark	51.500	94	92Alp Cet	2.5260	3100.0	103	27880	No
234	GOM_NL__2PRFIN20070630_200756_000000422059_00271_27880_5183.N1	30-JUN-2007 20:07:56	Dark	42.000	165	34Gam Eri	2.9500	3200.0	84	27880	No
235	GOM_NL__2PRFIN20070630_202226_000000492059_00272_27881_5179.N1	30-JUN-2007 20:22:26	Dark	49.000	9	Alp Eri	0.45300	24000.	98	27881	No
236	GOM_NL__2PRFIN20070630_202952_000000422059_00272_27881_5180.N1	30-JUN-2007 20:29:52	Straylight	42.000	148	Alp Tuc	2.8780	4100.0	84	27881	No
237	GOM_NL__2PRFIN20070630_203415_000000412059_00272_27881_5181.N1	30-JUN-2007 20:34:15	Straylight	40.500	45	Alp Pav	1.9400	26000.	81	27881	No
238	GOM_NL__2PRFIN20070630_203935_000000392059_00272_27881_5182.N1	30-JUN-2007 20:39:35	Twi_and_stray	39.000	147	Alp Ara	2.8770	26000.	78	27881	No
239	GOM_NL__2PRFIN20070630_204123_000000412059_00272_27881_5183.N1	30-JUN-2007 20:41:23	Twi_and_stray	41.000	40	The Sco	1.8590	7100.0	82	27881	No
240	GOM_NL__2PRFIN20070630_204303_000000382059_00272_27881_5184.N1	30-JUN-2007 20:43:03	Twi_and_stray	38.000	25	35Lam Sco	1.6200	28000.	76	27881	No
241	GOM_NL__2PRFIN20070630_204427_000000462059_00272_27881_5185.N1	30-JUN-2007 20:44:27	Bright	46.000	116	19Del Sgr	2.7000	4100.0	92	27881	No
242	GOM_NL__2PRFIN20070630_204540_000000412059_00272_27881_5186.N1	30-JUN-2007 20:45:40	Bright	41.000	137	22Lam Sgr	2.8240	4400.0	82	27881	No
243	GOM_NL__2PRFIN20070630_204915_000000372059_00272_27881_5187.N1	30-JUN-2007 20:49:15	Bright	37.000	86	35Eta Oph	2.4300	10200.	74	27881	No
244	GOM_NL__2PRFIN20070630_205456_000000382059_00272_27881_5188.N1	30-JUN-2007 20:54:56	Bright	37.500	126	60Bet Oph	2.7700	4250.0	75	27881	No
245	GOM_NL__2PRFIN20070630_205716_000000362059_00272_27881_5189.N1	30-JUN-2007 20:57:16	Bright	36.000	59	55Alp Oph	2.0800	8900.0	72	27881	No
246	GOM_NL__2PRFIN20070630_205956_000000352059_00272_27881_5190.N1	30-JUN-2007 20:59:56	Bright	34.500	127	27Bet Her	2.7810	4700.0	69	27881	No
247	GOM_NL__2PRFIN20070630_210241_000000342059_00272_27881_5191.N1	30-JUN-2007 21:02:41	Bright	34.000	133	40Zet Her	2.8070	6000.0	68	27881	No
248	GOM_NL__2PRFIN20070630_210844_000000362059_00272_27881_5192.N1	30-JUN-2007 21:08:44	Bright	36.000	130	23Bet Dra	2.7990	5800.0	72	27881	No
249	GOM_NL__2PRFIN20070630_211106_000000372059_00272_27881_5193.N1	30-JUN-2007 21:11:06	Bright	36.500	119	14Eta Dra	2.7270	4700.0	73	27881	No
250	GOM_NL__2PRFIN20070630_211504_000000372059_00272_27881_5194.N1	30-JUN-2007 21:15:04	Bright	36.500	60	7Bet UMi	2.0810	3950.0	73	27881	No
251	GOM_NL__2PRFIN20070630_211919_000000362059_00272_27881_5195.N1	30-JUN-2007 21:19:19	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	27881	No
252	GOM_NL__2PRFIN20070630_212937_000000552059_00272_27881_5196.N1	30-JUN-2007 21:29:37	Bright	55.000	160	23Gam Per	2.9300	4700.0	110	27881	No
253	GOM_NL__2PRFIN20070630_213119_000000332059_00272_27881_5197.N1	30-JUN-2007 21:31:19	Bright	32.500	175	39Del Per	3.0100	19400.	65	27881	No
254	GOM_NL__2PRFIN20070630_214448_000000472059_00272_27881_5198.N1	30-JUN-2007 21:44:48	Dark	46.500	94	92Alp Cet	2.5260	3100.0	93	27881	No
255	GOM_NL__2PRFIN20070630_214832_000000382059_00272_27881_5199.N1	30-JUN-2007 21:48:32	Dark	38.000	165	34Gam Eri	2.9500	3200.0	76	27881	No
256	GOM_NL__2PRFIN20070630_220302_000000392059_00273_27882_5192.N1	30-JUN-2007 22:03:02	Dark	38.500	9	Alp Eri	0.45300	24000.	77	27882	No
257	GOM_NL__2PRFIN20070630_221029_000000422059_00273_27882_5193.N1	30-JUN-2007 22:10:29	Straylight	41.500	148	Alp Tuc	2.8780	4100.0	83	27882	No
258	GOM_NL__2PRFIN20070630_221451_000000402059_00273_27882_5194.N1	30-JUN-2007 22:14:51	Straylight	39.500	45	Alp Pav	1.9400	26000.	79	27882	No
259	GOM_NL__2PRFIN20070630_222011_000000372059_00273_27882_5195.N1	30-JUN-2007 22:20:11	Twi_and_stray	36.500	147	Alp Ara	2.8770	26000.	73	27882	No
260	GOM_NL__2PRFIN20070630_222159_000000432059_00273_27882_5196.N1	30-JUN-2007 22:21:59	Twi_and_stray	42.500	40	The Sco	1.8590	7100.0	85	27882	No
261	GOM_NL__2PRFIN20070630_222339_000000412059_00273_27882_5197.N1	30-JUN-2007 22:23:39	Twi_and_stray	40.500	25	35Lam Sco	1.6200	28000.	81	27882	No
262	GOM_NL__2PRFIN20070630_222503_000000442059_00273_27882_5198.N1	30-JUN-2007 22:25:03	Bright	44.000	116	19Del Sgr	2.7000	4100.0	88	27882	No
263	GOM_NL__2PRFIN20070630_222616_000000432059_00273_27882_5199.N1	30-JUN-2007 22:26:16	Bright	43.000	137	22Lam Sgr	2.8240	4400.0	86	27882	No
264	GOM_NL__2PRFIN20070630_222951_000000372059_00273_27882_5200.N1	30-JUN-2007 22:29:51	Bright	36.500	86	35Eta Oph	2.4300	10200.	73	27882	No
265	GOM_NL__2PRFIN20070630_223532_000000382059_00273_27882_5201.N1	30-JUN-2007 22:35:32	Bright	37.500	126	60Bet Oph	2.7700	4250.0	75	27882	No
266	GOM_NL__2PRFIN20070630_223752_000000362059_00273_27882_5202.N1	30-JUN-2007 22:37:52	Bright	36.000	59	55Alp Oph	2.0800	8900.0	72	27882	No
267	GOM_NL__2PRFIN20070630_224032_000000362059_00273_27882_5203.N1	30-JUN-2007 22:40:32	Bright	36.000	127	27Bet Her	2.7810	4700.0	72	27882	No
268	GOM_NL__2PRFIN20070630_224317_000000372059_00273_27882_5204.N1	30-JUN-2007 22:43:17	Bright	36.500	133	40Zet Her	2.8070	6000.0	73	27882	No
269	GOM_NL__2PRFIN20070630_224920_000000382059_00273_27882_5205.N1	30-JUN-2007 22:49:20	Bright	37.500	130	23Bet Dra	2.7990	5800.0	75	27882	No
270	GOM_NL__2PRFIN20070630_225142_000000362059_00273_27882_5206.N1	30-JUN-2007 22:51:42	Bright	36.000	119	14Eta Dra	2.7270	4700.0	72	27882	No
271	GOM_NL__2PRFIN20070630_225540_000000352059_00273_27882_5207.N1	30-JUN-2007 22:55:40	Bright	35.000	60	7Bet UMi	2.0810	3950.0	70	27882	No
272	GOM_NL__2PRFIN20070630_225955_000000342059_00273_27882_5208.N1	30-JUN-2007 22:59:55	Bright	33.500	49	1Alp UMi	1.9900	6300.0	67	27882	No
273	GOM_NL__2PRFIN20070630_231013_000000432059_00273_27882_5209.N1	30-JUN-2007 23:10:13	Bright	42.500	160	23Gam Per	2.9300	4700.0	85	27882	No
274	GOM_NL__2PRFIN20070630_231155_000000502059_00273_27882_5210.N1	30-JUN-2007 23:11:55	Bright	50.000	175	39Del Per	3.0100	19400.	100	27882	No
275	GOM_NL__2PRFIN20070630_232524_000000372059_00273_27882_5211.N1	30-JUN-2007 23:25:24	Dark	37.000	94	92Alp Cet	2.5260	3100.0	74	27882	No
276	GOM_NL__2PRFIN20070630_232909_000000362059_00273_27882_5212.N1	30-JUN-2007 23:29:09	Dark	36.000	165	34Gam Eri	2.9500	3200.0	72	27882	No
277	GOM_NL__2PRFIN20070630_234338_000000392059_00274_27883_5208.N1	30-JUN-2007 23:43:38	Dark	38.500	9	Alp Eri	0.45300	24000.	77	27883	No
278	GOM_NL__2PRFIN20070630_235105_000000422059_00274_27883_5209.N1	30-JUN-2007 23:51:05	Straylight	42.000	148	Alp Tuc	2.8780	4100.0	84	27883	No

### 3. Quality information per product

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

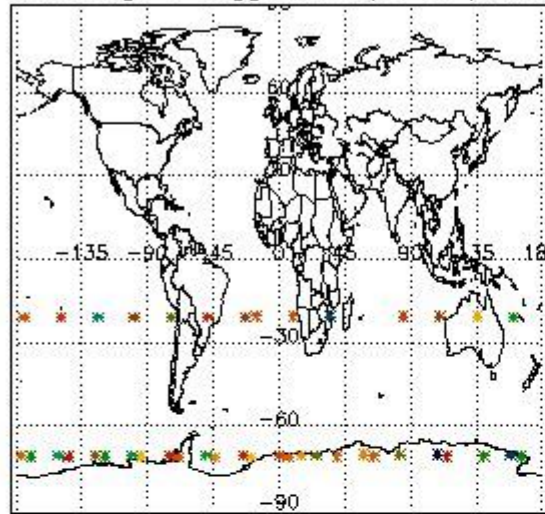
#### 3.1 Plot quality information per product (time dependant)



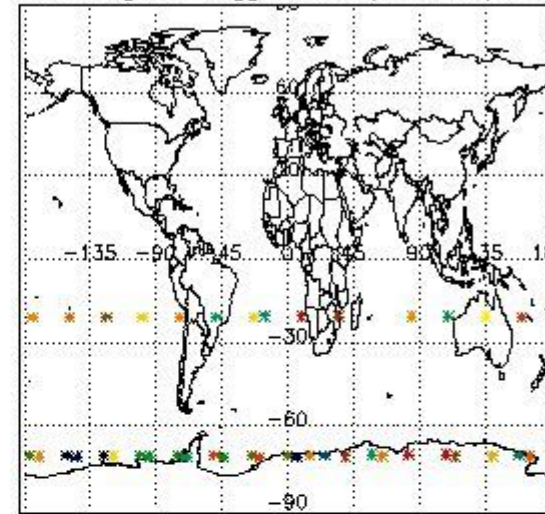
#### 3.2 Plot quality information per product (world map)



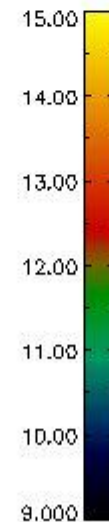
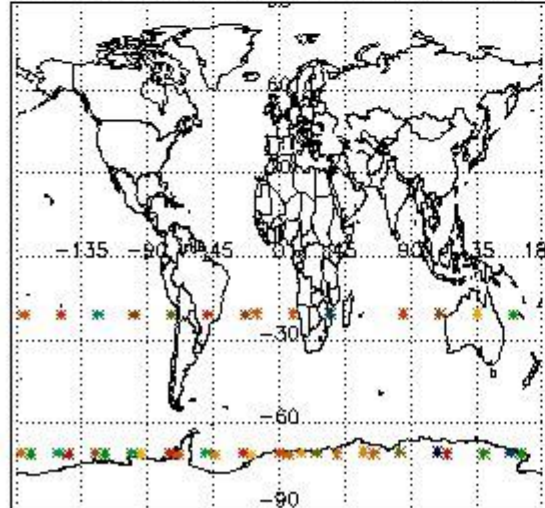
Percentage of flagged data per O3 profile



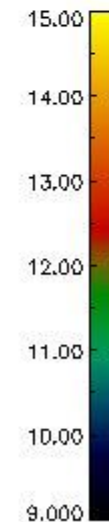
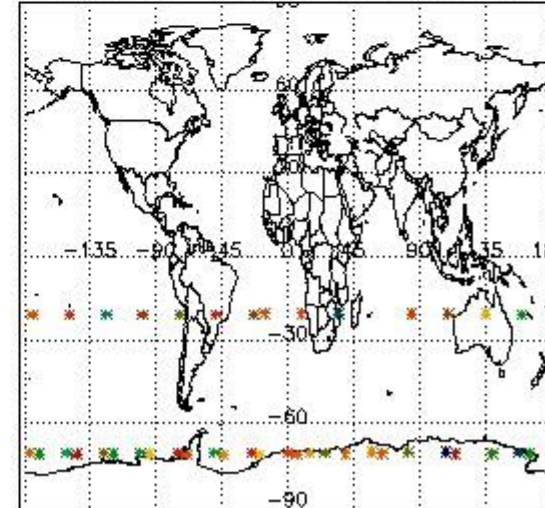
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile



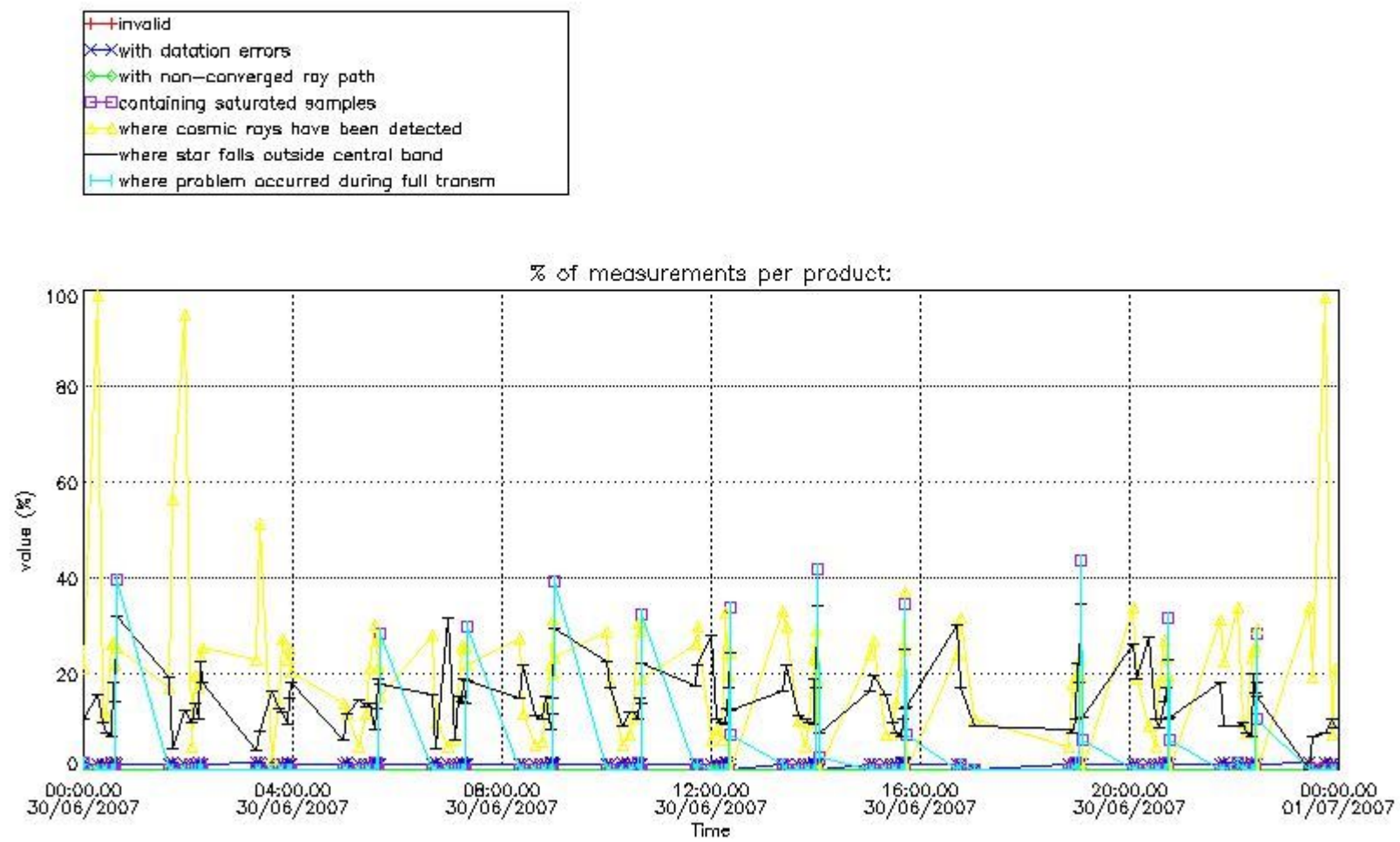
#### 4. Level 1 quality information per product

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

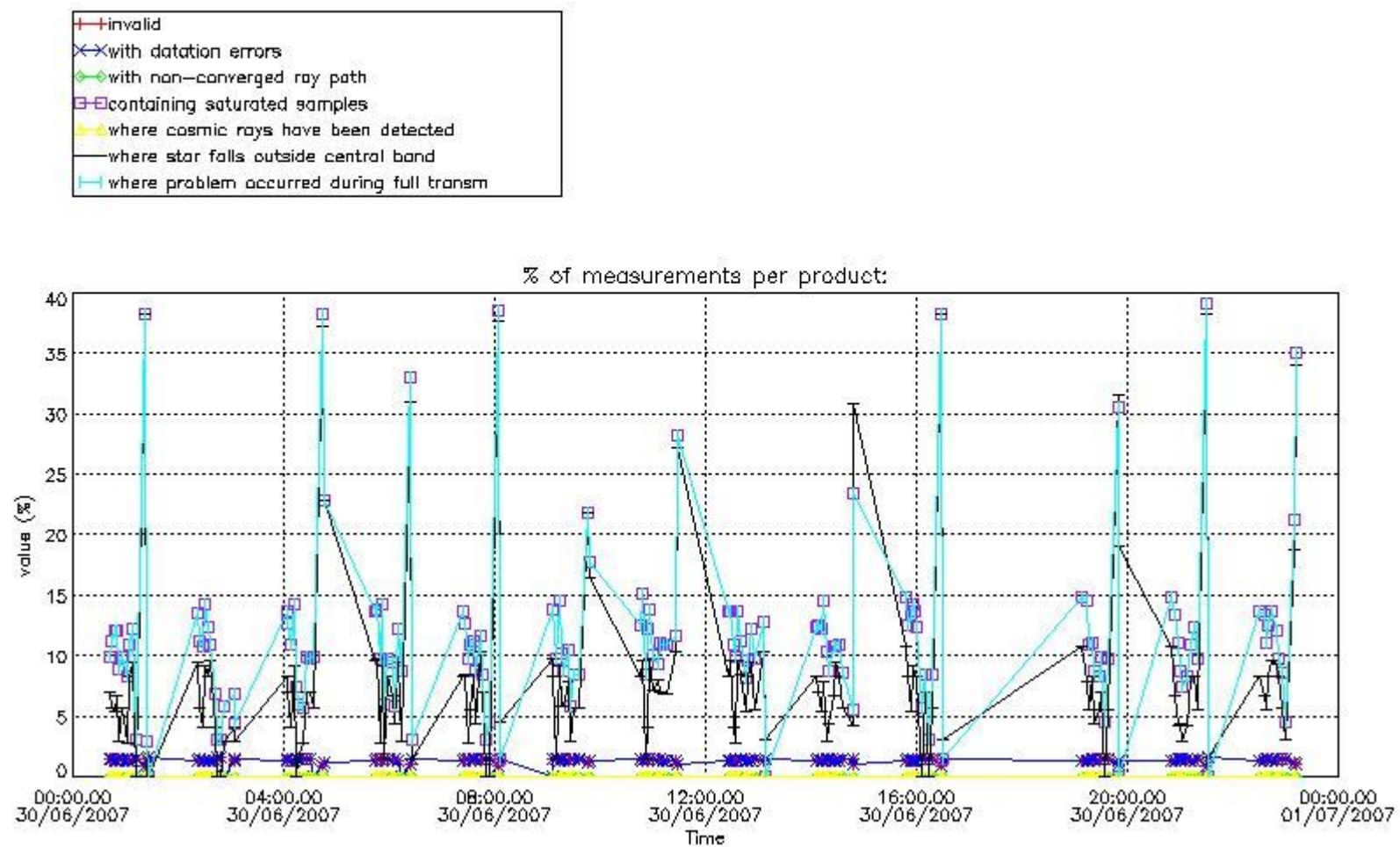
##### 4.1 Plot quality information per product (time dependant) coming from level 1b processing

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



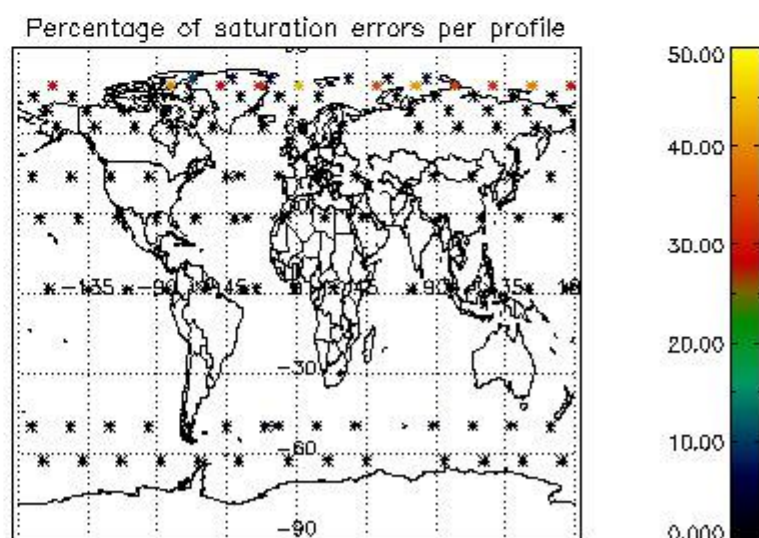
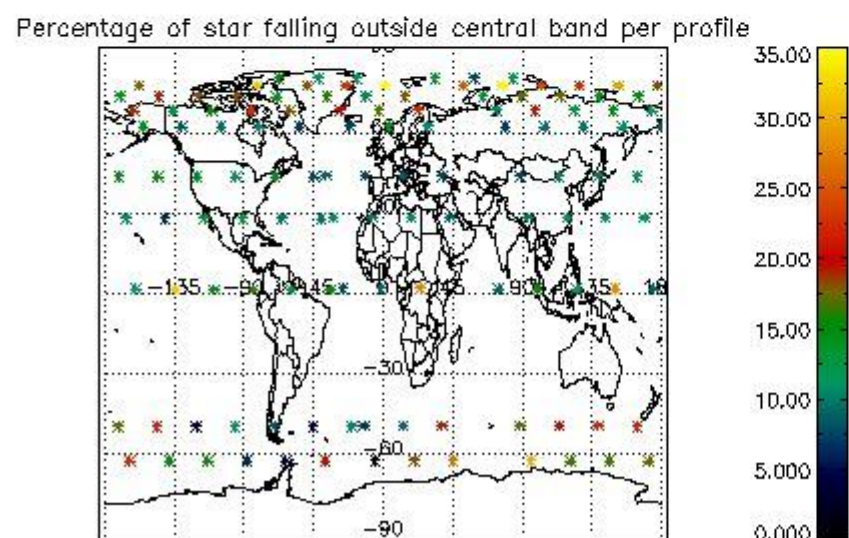
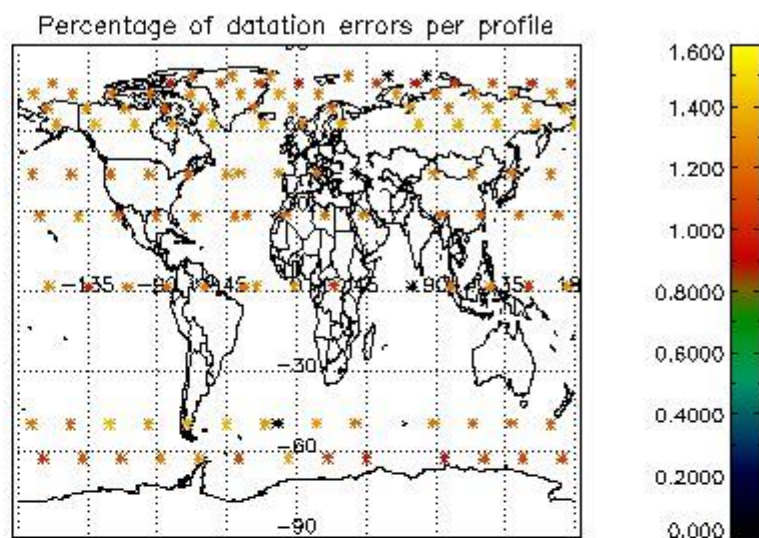
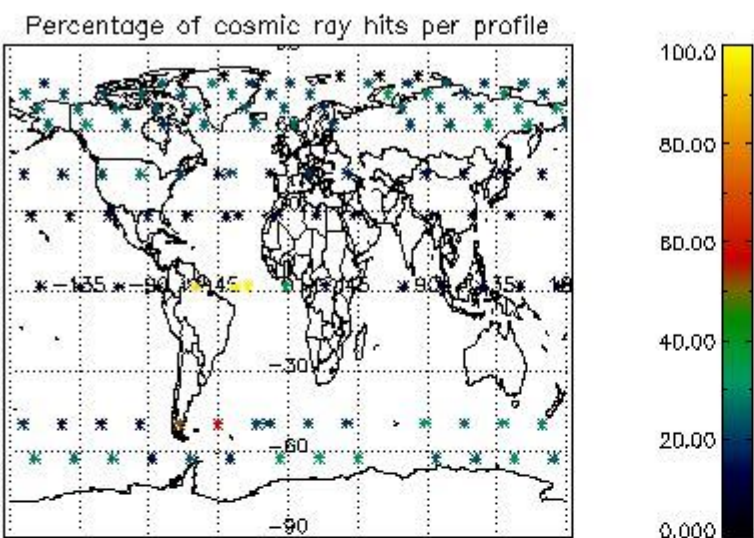


4.1.2 Plot level 1 quality information per product (time dependant): ENVISAT DESCENDING passes



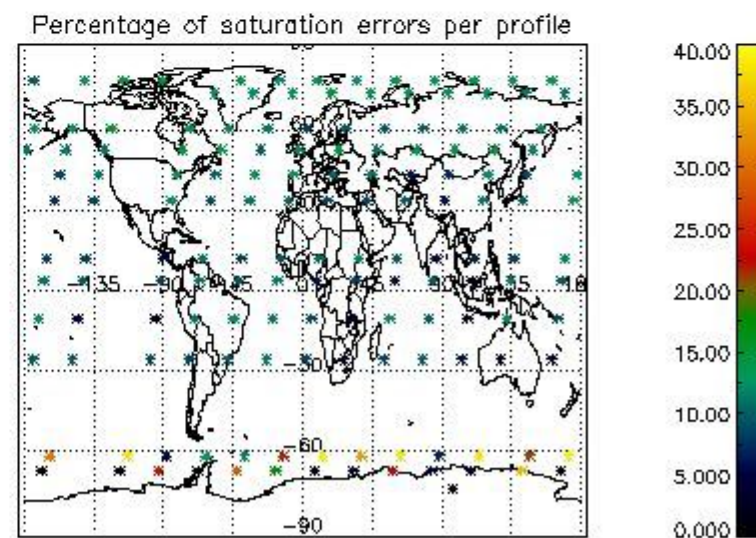
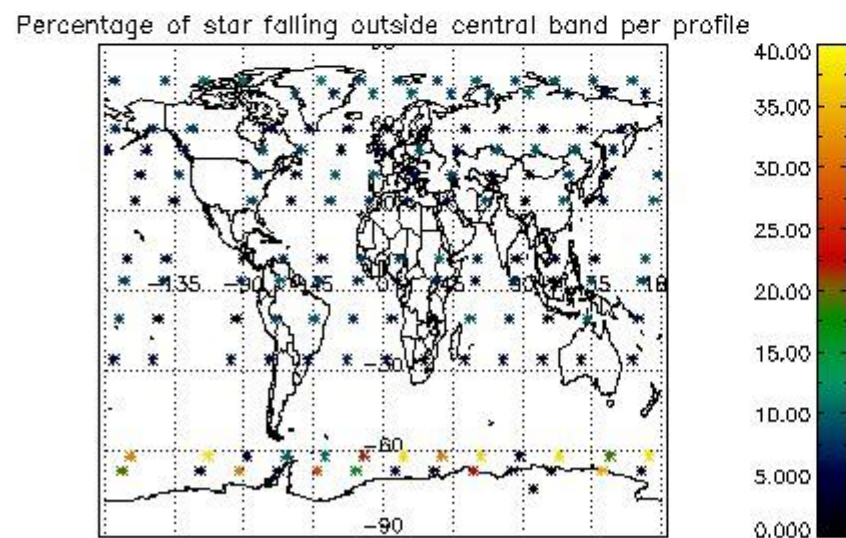
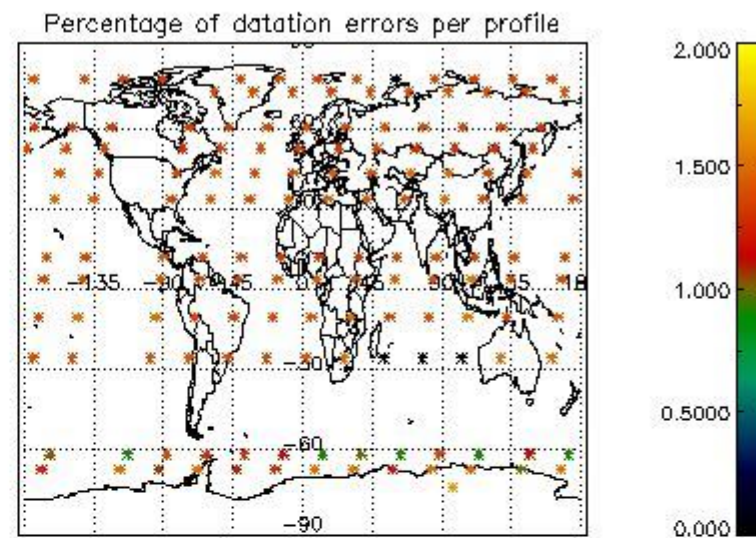
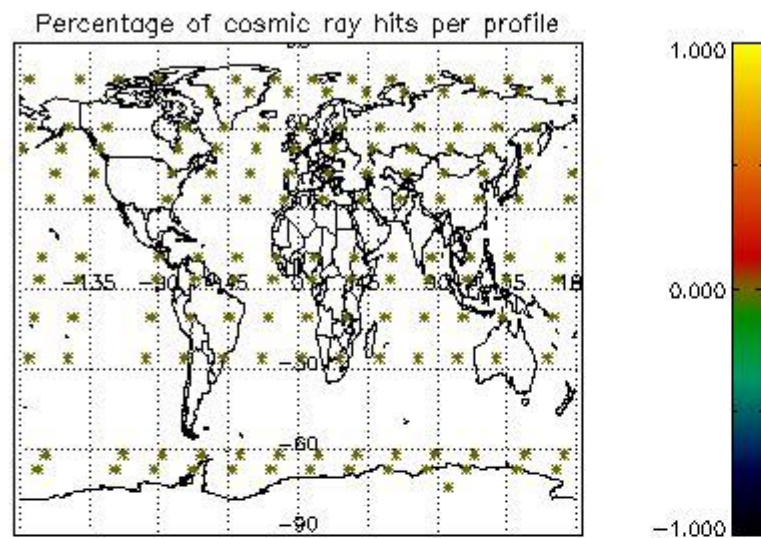
*4.2 Plot quality information per product coming from level 1b processing (world map)*

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



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





## 5. Trace gas profiles

### 5.1 Ozone statistics based on quality of products

The final quality of the products can be "measured" using the STD (Standard Deviation) attached to every point profile. This information is written to the parameter GOM\_NL\_\_2P/NL\_LOCAL\_SPECIES\_DENSITY/o3\_std of the level 2 products. The table below shows the statistics for given STD ranges.

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

- Products without fatal errors: GOM\_NL\_\_2P/MPH/PRODUCT\_ERR=0
- Valid point profile: GOM\_NL\_\_2P/NL\_LOCAL\_SPECIES\_DENSITY/pcd(0)=0

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

- Products in dark limb illumination condition: GOM\_NL\_\_2P/NL\_SUMMARY\_QUALITY/obs\_ill\_cond=0
- Products without fatal errors: GOM\_NL\_\_2P/MPH/PRODUCT\_ERR=0
- Valid point profile: GOM\_NL\_\_2P/NL\_LOCAL\_SPECIES\_DENSITY/pcd(0)=0

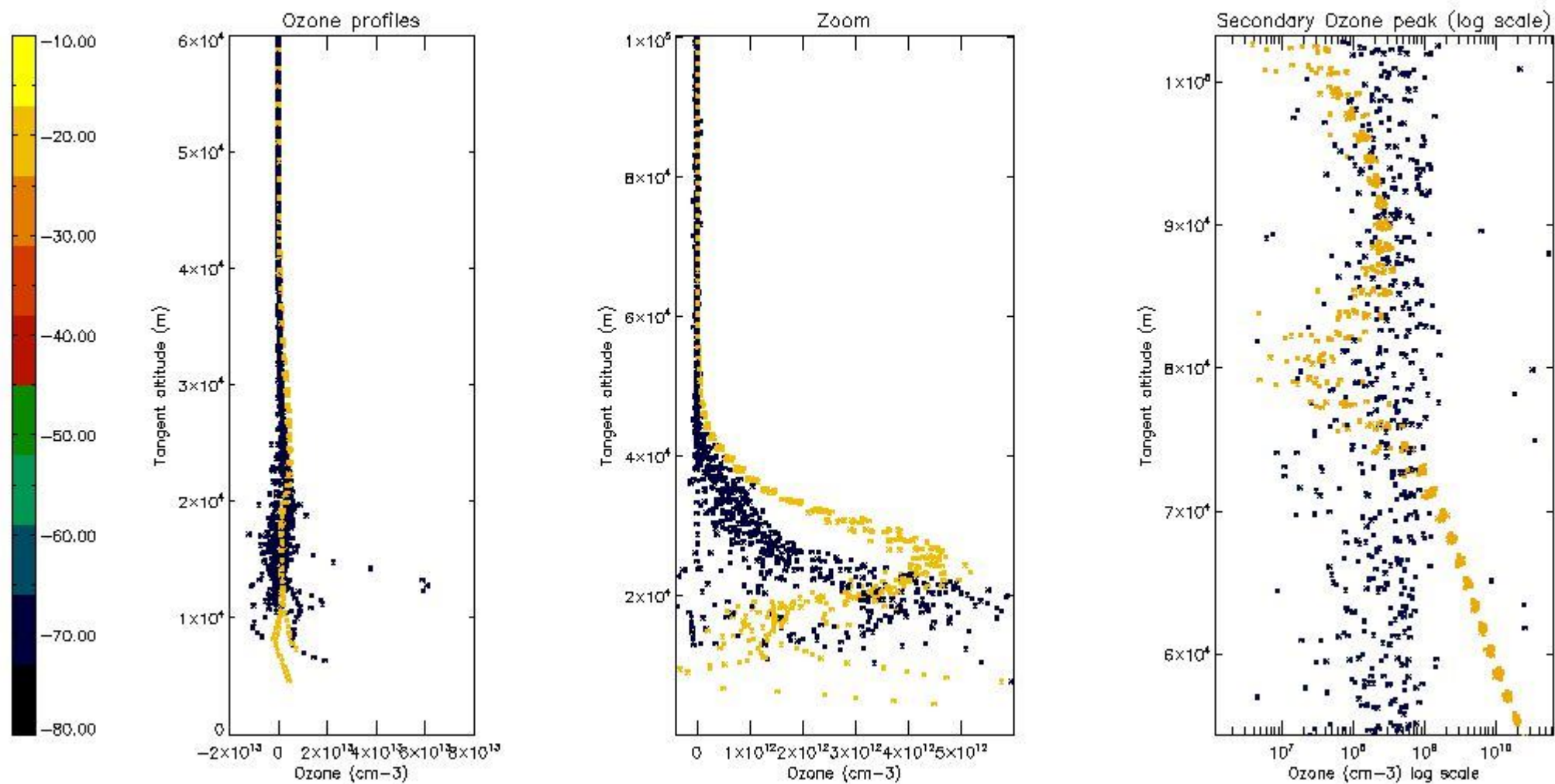
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	17
STD < 20	6

STD < 10	4
STD < 5	3

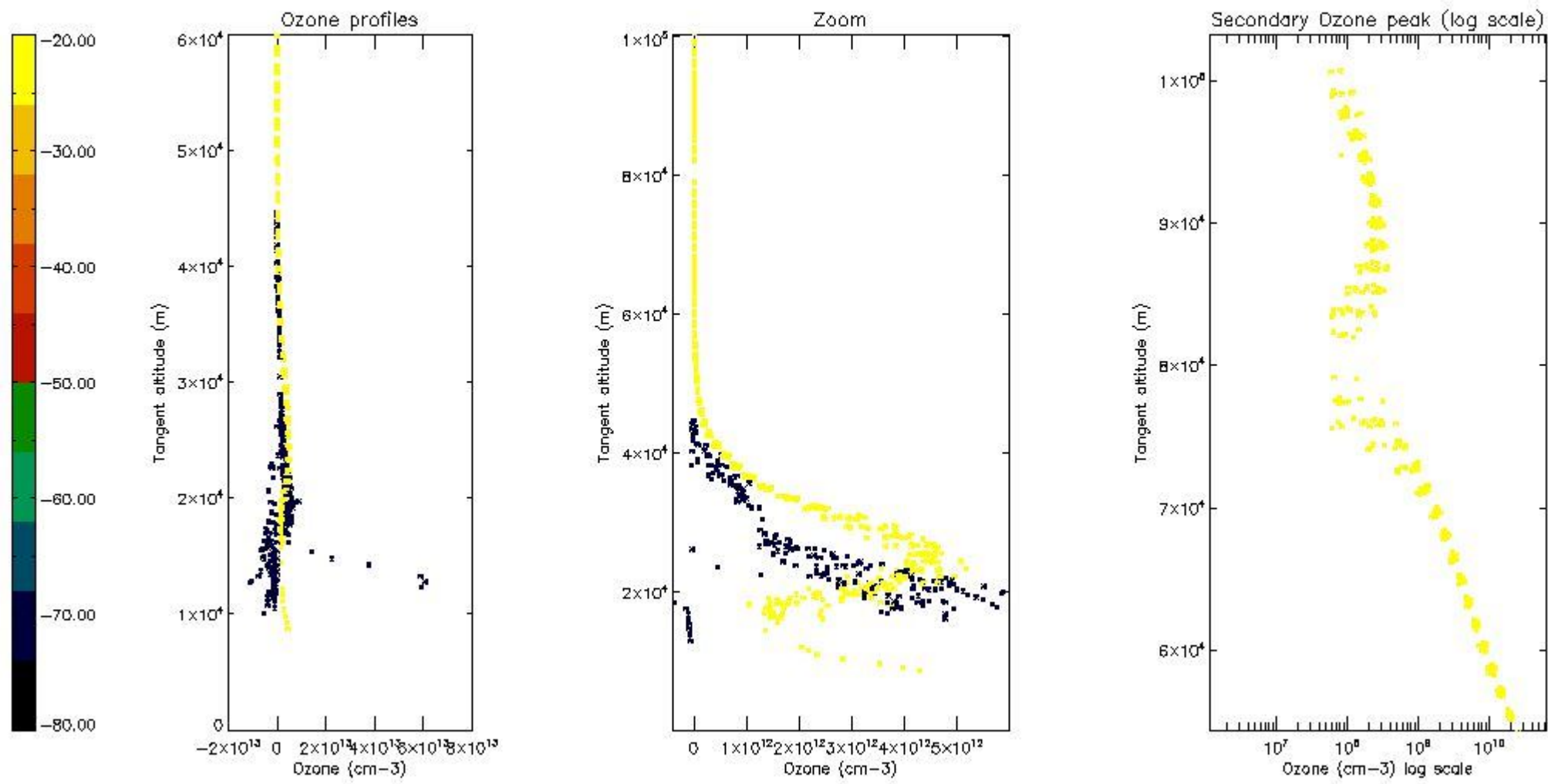
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

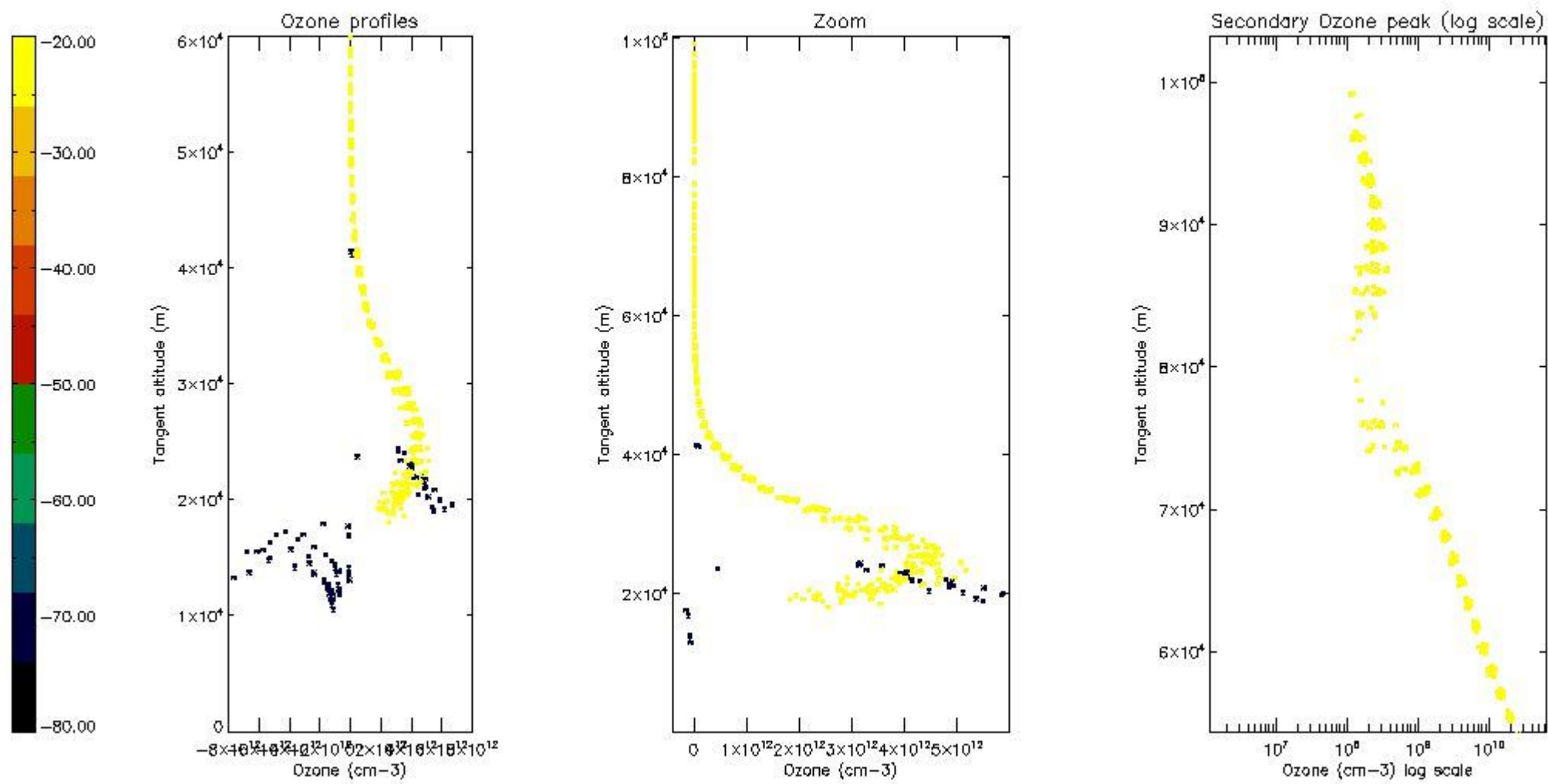
The colorbar represents the latitude.



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

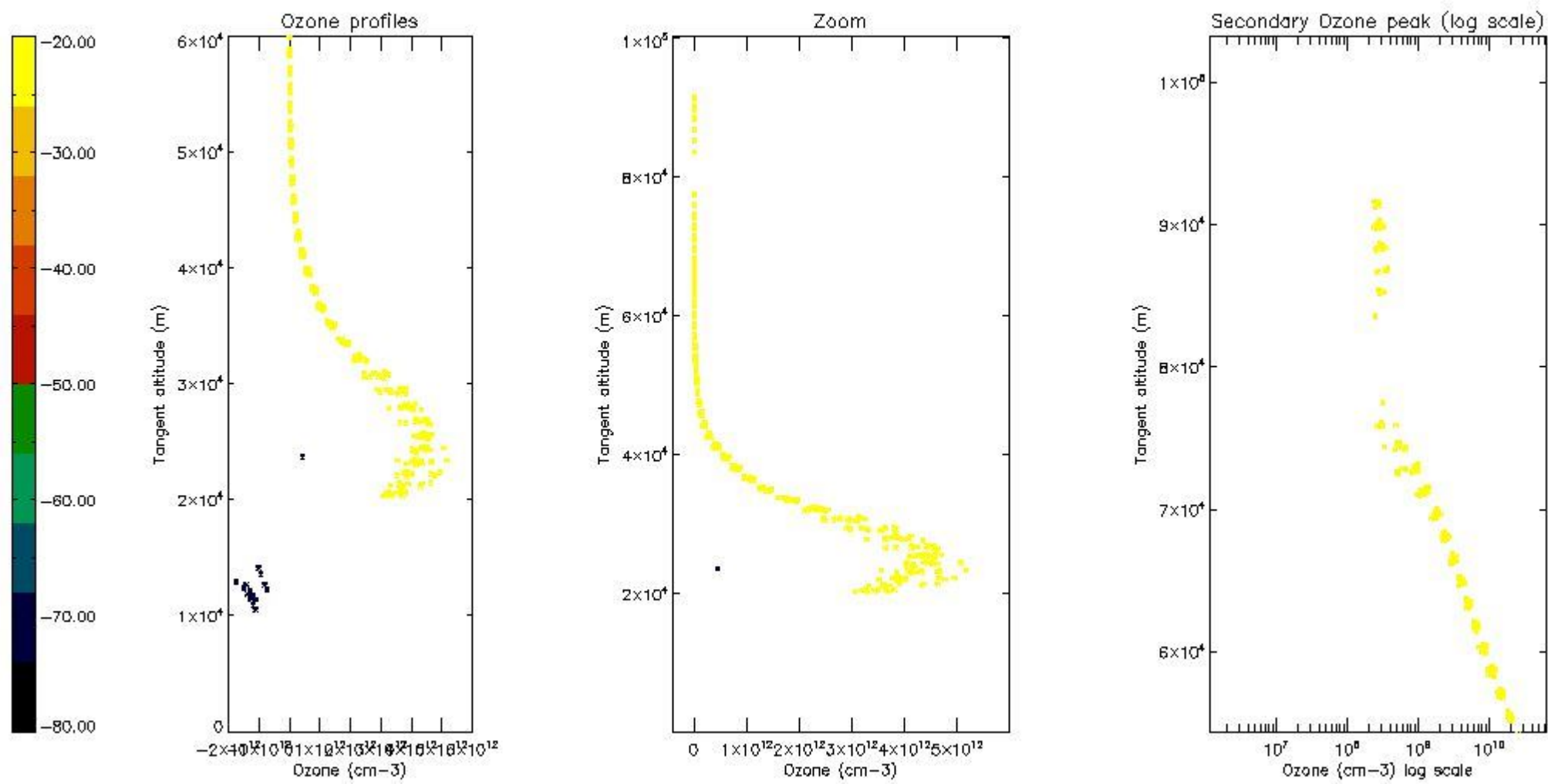
The colorbar represents the latitude.





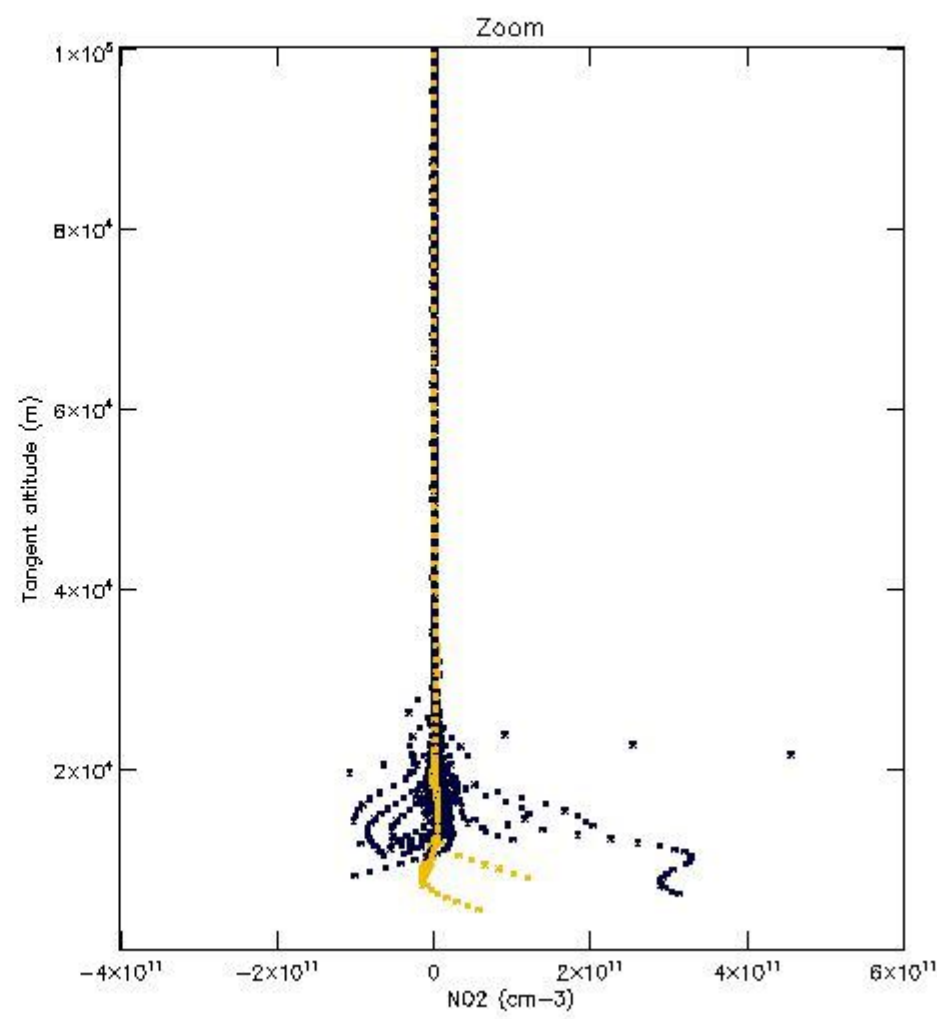
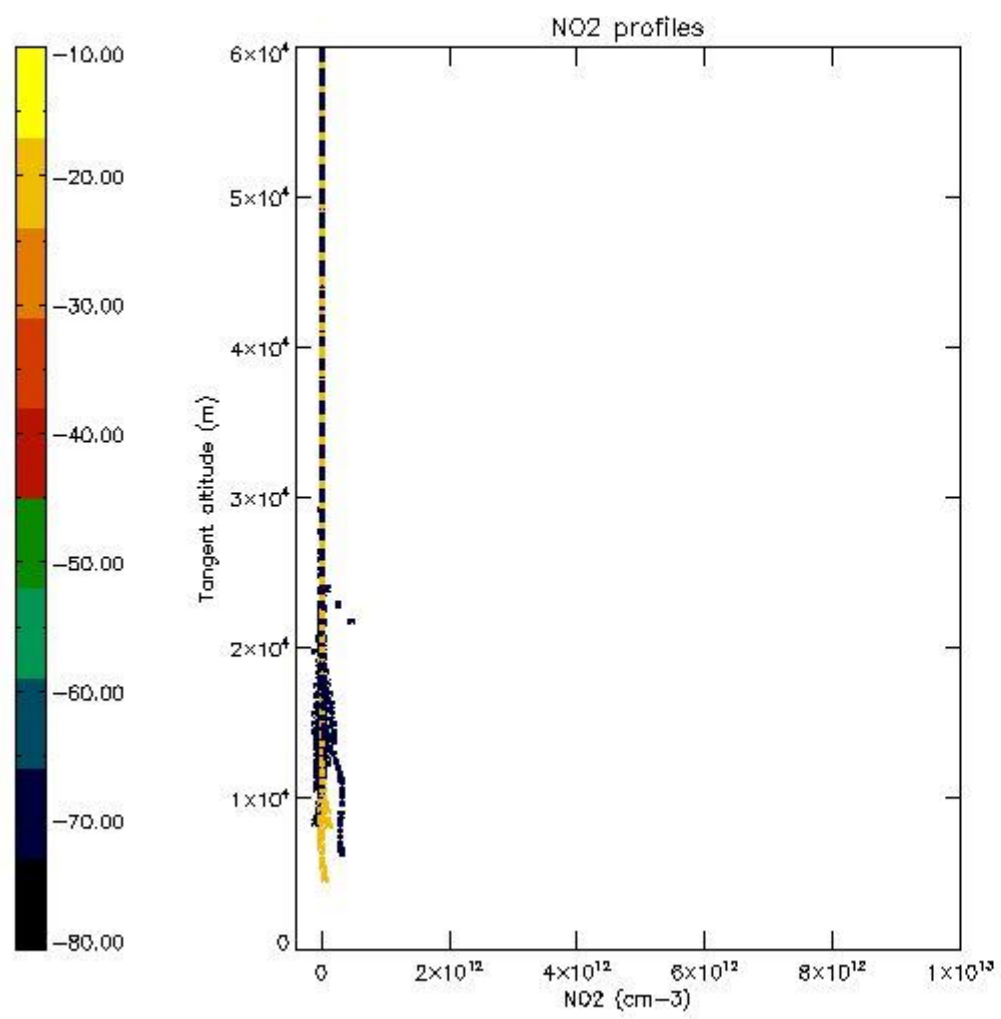
*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

The colorbar represents the latitude.



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

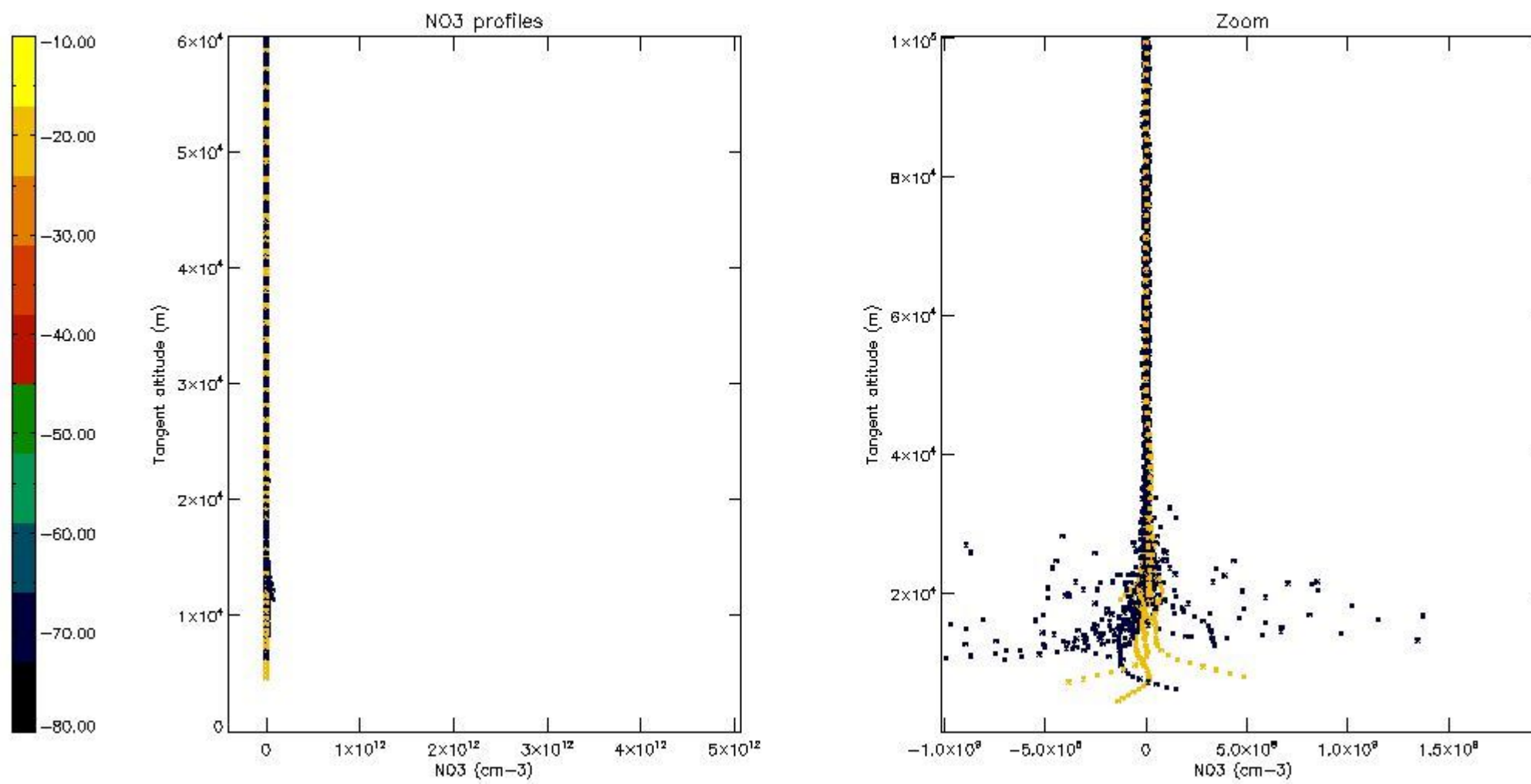
The colorbar represents the latitude.



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

The colorbar represents the latitude.





## 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	30-JUN-2007 00:00:42
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	30-JUN-2007 00:00:42
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	30-JUN-2007 00:00:42

# GOMOS Level 2 Daily Report

## SUMMARY

### [1. General Info](#)

### [2. Summary of processed GOM\\_NL\\_2P products](#)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

This report presents the daily analysis on parameters extracted from GOMOS level 2 data (GOM\_NL\_\_2P). It is intended to monitor some important parameters that will impact the quality of these products. A list of level 2 products (and content) that have arrived during the reporting day to the PCF is also given.

Item	Value
Time of report generation	22APR2013 21:18:57
Data source version	GOMOS/6.01
Start time of products	30-06-2007 (30JUN2007 00:00:00)
Stop time of products	01-07-2007 (01JUL2007 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	279
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__2PRFIN20070630_000042_000000382059_00259_27868_4982.N1	30-JUN-2007 00:00:42	Dark	38.000	165	34Gam Eri	2.9500	3200.0	76	27868	No
2	GOM_NL__2PRFIN20070630_001508_000000422059_00260_27869_4972.N1	30-JUN-2007 00:15:08	Dark	41.500	9	Alp Eri	0.45300	24000.	83	27869	No
3	GOM_NL__2PRFIN20070630_002234_000000422059_00260_27869_4973.N1	30-JUN-2007 00:22:34	Straylight	41.500	148	Alp Tuc	2.8780	4100.0	83	27869	No
4	GOM_NL__2PRFIN20070630_002658_000000402059_00260_27869_4974.N1	30-JUN-2007 00:26:58	Straylight	40.000	45	Alp Pav	1.9400	26000.	80	27869	No
5	GOM_NL__2PRFIN20070630_003221_000000372059_00260_27869_4975.N1	30-JUN-2007 00:32:21	Straylight	36.500	147	Alp Ara	2.8770	26000.	73	27869	No
6	GOM_NL__2PRFIN20070630_003409_000000422059_00260_27869_4976.N1	30-JUN-2007 00:34:09	Twilight_stray	41.500	40	The Sco	1.8590	7100.0	83	27869	No
7	GOM_NL__2PRFIN20070630_003549_000000392059_00260_27869_4977.N1	30-JUN-2007 00:35:49	Twilight_stray	39.000	25	35Lam Sco	1.6200	28000.	78	27869	No
8	GOM_NL__2PRFIN20070630_003713_000000532059_00260_27869_4978.N1	30-JUN-2007 00:37:13	Bright	53.000	116	19Del Sgr	2.7000	4100.0	106	27869	No
9	GOM_NL__2PRFIN20070630_004202_000000362059_00260_27869_4979.N1	30-JUN-2007 00:42:02	Bright	35.500	86	35Eta Oph	2.4300	10200.	71	27869	No
10	GOM_NL__2PRFIN20070630_004347_000000362059_00260_27869_4980.N1	30-JUN-2007 00:43:47	Bright	35.500	98	13Zet Oph	2.5710	30000.	71	27869	No
11	GOM_NL__2PRFIN20070630_004745_000000382059_00260_27869_4981.N1	30-JUN-2007 00:47:45	Bright	37.500	126	60Bet Oph	2.7700	4250.0	75	27869	No
12	GOM_NL__2PRFIN20070630_005005_000000382059_00260_27869_4982.N1	30-JUN-2007 00:50:05	Bright	37.500	59	55Alp Oph	2.0800	8900.0	75	27869	No
13	GOM_NL__2PRFIN20070630_005243_000000342059_00260_27869_4983.N1	30-JUN-2007 00:52:43	Bright	34.000	127	27Bet Her	2.7810	4700.0	68	27869	No
14	GOM_NL__2PRFIN20070630_005529_000000362059_00260_27869_4984.N1	30-JUN-2007 00:55:29	Bright	35.500	133	40Zet Her	2.8070	6000.0	71	27869	No
15	GOM_NL__2PRFIN20070630_010135_000000362059_00260_27869_4985.N1	30-JUN-2007 01:01:35	Bright	36.000	130	23Bet Dra	2.7990	5800.0	72	27869	No
16	GOM_NL__2PRFIN20070630_010354_000000372059_00260_27869_4986.N1	30-JUN-2007 01:03:54	Bright	36.500	119	14Eta Dra	2.7270	4700.0	73	27869	No
17	GOM_NL__2PRFIN20070630_010751_000000372059_00260_27869_4987.N1	30-JUN-2007 01:07:51	Bright	37.000	60	7Bet UMi	2.0810	3950.0	74	27869	No
18	GOM_NL__2PRFIN20070630_011208_000000332059_00260_27869_4988.N1	30-JUN-2007 01:12:08	Bright	33.000	49	1Alp UMi	1.9900	6300.0	66	27869	No
19	GOM_NL__2PRFIN20070630_012226_000000552059_00260_27869_4989.N1	30-JUN-2007 01:22:26	Bright	55.000	160	23Gam Per	2.9300	4700.0	110	27869	No
20	GOM_NL__2PRFIN20070630_012407_000000342059_00260_27869_4990.N1	30-JUN-2007 01:24:07	Bright	34.000	175	39Del Per	3.0100	19400.	68	27869	No
21	GOM_NL__2PRFIN20070630_012616_000000302059_00260_27869_4991.N1	30-JUN-2007 01:26:16	Bright	30.000	79	26Bet Per	2.3100	13100.	60	27869	No
22	GOM_NL__2PRFIN20070630_013732_000000472059_00260_27869_4992.N1	30-JUN-2007 01:37:32	Dark	46.500	94	92Alp Cet	2.5260	3100.0	93	27869	No
23	GOM_NL__2PRFIN20070630_014118_000000362059_00260_27869_4993.N1	30-JUN-2007 01:41:18	Dark	35.500	165	34Gam Eri	2.9500	3200.0	71	27869	No
24	GOM_NL__2PRFIN20070630_015545_000000402059_00261_27870_4995.N1	30-JUN-2007 01:55:45	Dark	40.000	9	Alp Eri	0.45300	24000.	80	27870	No
25	GOM_NL__2PRFIN20070630_020310_000000422059_00261_27870_4996.N1	30-JUN-2007 02:03:10	Straylight	41.500	148	Alp Tuc	2.8780	4100.0	83	27870	No
26	GOM_NL__2PRFIN20070630_020734_000000432059_00261_27870_4997.N1	30-JUN-2007 02:07:34	Straylight	43.000	45	Alp Pav	1.9400	26000.	86	27870	No
27	GOM_NL__2PRFIN20070630_021257_000000382059_00261_27870_4998.N1	30-JUN-2007 02:12:57	Straylight	38.000	147	Alp Ara	2.8770	26000.	76	27870	No
28	GOM_NL__2PRFIN20070630_021445_000000452059_00261_27870_4999.N1	30-JUN-2007 02:14:45	Twilight_stray	44.500	40	The Sco	1.8590	7100.0	89	27870	No
29	GOM_NL__2PRFIN20070630_021625_000000422059_00261_27870_5000.N1	30-JUN-2007 02:16:25	Twilight_stray	41.500	25	35Lam Sco	1.6200	28000.	83	27870	No
30	GOM_NL__2PRFIN20070630_022238_000000372059_00261_27870_5001.N1	30-JUN-2007 02:22:38	Bright	37.000	86	35Eta Oph	2.4300	10200.	74	27870	No
31	GOM_NL__2PRFIN20070630_022423_000000362059_00261_27870_5002.N1	30-JUN-2007 02:24:23	Bright	35.500	98	13Zet Oph	2.5710	30000.	71	27870	No
32	GOM_NL__2PRFIN20070630_022821_000000372059_00261_27870_5003.N1	30-JUN-2007 02:28:21	Bright	37.000	126	60Bet Oph	2.7700	4250.0	74	27870	No
33	GOM_NL__2PRFIN20070630_023041_000000392059_00261_27870_5004.N1	30-JUN-2007 02:30:41	Bright	38.500	59	55Alp Oph	2.0800	8900.0	77	27870	No
34	GOM_NL__2PRFIN20070630_023319_000000372059_00261_27870_5005.N1	30-JUN-2007 02:33:19	Bright	36.500	127	27Bet Her	2.7810	4700.0	73	27870	No
35	GOM_NL__2PRFIN20070630_023605_000000372059_00261_27870_5006.N1	30-JUN-2007 02:36:05	Bright	36.500	133	40Zet Her	2.8070	6000.0	73	27870	No
36	GOM_NL__2PRFIN20070630_024210_000000372059_00261_27870_5007.N1	30-JUN-2007 02:42:10	Bright	36.500	130	23Bet Dra	2.7990	5800.0	73	27870	No
37	GOM_NL__2PRFIN20070630_024430_000000332059_00261_27870_5008.N1	30-JUN-2007 02:44:30	Bright	32.500	119	14Eta Dra	2.7270	4700.0	65	27870	No
38	GOM_NL__2PRFIN20070630_024827_000000332059_00261_27870_5009.N1	30-JUN-2007 02:48:27	Bright	32.500	60	7Bet UMi	2.0810	3950.0	65	27870	No
39	GOM_NL__2PRFIN20070630_025244_000000342059_00261_27870_5010.N1	30-JUN-2007 02:52:44	Bright	34.000	49	1Alp UMi	1.9900	6300.0	68	27870	No
40	GOM_NL__2PRFIN20070630_030302_000000372059_00261_27870_5011.N1	30-JUN-2007 03:03:02	Bright	36.500	160	23Gam Per	2.9300	4700.0	73	27870	No
41	GOM_NL__2PRFIN20070630_030443_000000342059_00261_27870_5012.N1	30-JUN-2007 03:04:43	Bright	34.000	175	39Del Per	3.0100	19400.	68	27870	No
42	GOM_NL__2PRFIN20070630_031808_000000392059_00261_27870_5013.N1	30-JUN-2007 03:18:08	Dark	39.000	94	92Alp Cet	2.5260	3100.0	78	27870	No



43	GOM_NL__2PRFIN20070630_032154_000000372059_00261_27870_5014.N1	30-JUN-2007 03:21:54	Dark	37.000	165	34Gam Eri	2.9500	3200.0	74	27870	No
44	GOM_NL__2PRFIN20070630_033621_000000432059_00262_27871_5006.N1	30-JUN-2007 03:36:21	Dark	42.500	9	Alp Eri	0.45300	24000.	85	27871	No
45	GOM_NL__2PRFIN20070630_034347_000000432059_00262_27871_5007.N1	30-JUN-2007 03:43:47	Straylight	43.000	148	Alp Tuc	2.8780	4100.0	86	27871	No
46	GOM_NL__2PRFIN20070630_034811_000000422059_00262_27871_5008.N1	30-JUN-2007 03:48:11	Straylight	42.000	45	Alp Pav	1.9400	26000.	84	27871	No
47	GOM_NL__2PRFIN20070630_035334_000000372059_00262_27871_5009.N1	30-JUN-2007 03:53:34	Straylight	37.000	147	Alp Ara	2.8770	26000.	74	27871	No
48	GOM_NL__2PRFIN20070630_035521_000000402059_00262_27871_5010.N1	30-JUN-2007 03:55:21	Tw_i_and_stray	40.000	40	The Sco	1.8590	7100.0	80	27871	No
49	GOM_NL__2PRFIN20070630_035701_000000422059_00262_27871_5011.N1	30-JUN-2007 03:57:01	Tw_i_and_stray	41.500	25	35Lam Sco	1.6200	28000.	83	27871	No
50	GOM_NL__2PRFIN20070630_040314_000000372059_00262_27871_5012.N1	30-JUN-2007 04:03:14	Bright	36.500	86	35Eta Oph	2.4300	10200.	73	27871	No
51	GOM_NL__2PRFIN20070630_040459_000000362059_00262_27871_5013.N1	30-JUN-2007 04:04:59	Bright	35.500	98	13Zet Oph	2.5710	30000.	71	27871	No
52	GOM_NL__2PRFIN20070630_040857_000000372059_00262_27871_5014.N1	30-JUN-2007 04:08:57	Bright	36.500	126	60Bet Oph	2.7700	4250.0	73	27871	No
53	GOM_NL__2PRFIN20070630_041117_000000392059_00262_27871_5015.N1	30-JUN-2007 04:11:17	Bright	38.500	59	55Alp Oph	2.0800	8900.0	77	27871	No
54	GOM_NL__2PRFIN20070630_041356_000000342059_00262_27871_5016.N1	30-JUN-2007 04:13:56	Bright	33.500	127	27Bet Her	2.7810	4700.0	67	27871	No
55	GOM_NL__2PRFIN20070630_041641_000000342059_00262_27871_5017.N1	30-JUN-2007 04:16:41	Bright	33.500	133	40Zet Her	2.8070	6000.0	67	27871	No
56	GOM_NL__2PRFIN20070630_042246_000000362059_00262_27871_5018.N1	30-JUN-2007 04:22:46	Bright	35.500	130	23Bet Dra	2.7990	5800.0	71	27871	No
57	GOM_NL__2PRFIN20070630_042506_000000362059_00262_27871_5019.N1	30-JUN-2007 04:25:06	Bright	35.500	119	14Eta Dra	2.7270	4700.0	71	27871	No
58	GOM_NL__2PRFIN20070630_042903_000000362059_00262_27871_5020.N1	30-JUN-2007 04:29:03	Bright	36.000	60	7Bet UMi	2.0810	3950.0	72	27871	No
59	GOM_NL__2PRFIN20070630_043320_000000362059_00262_27871_5021.N1	30-JUN-2007 04:33:20	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	27871	No
60	GOM_NL__2PRFIN20070630_044338_000000552059_00262_27871_5022.N1	30-JUN-2007 04:43:38	Bright	55.000	160	23Gam Per	2.9300	4700.0	110	27871	No
61	GOM_NL__2PRFIN20070630_044519_000000422059_00262_27871_5023.N1	30-JUN-2007 04:45:19	Bright	41.500	175	39Del Per	3.0100	19400.	83	27871	No
62	GOM_NL__2PRFIN20070630_045844_000000402059_00262_27871_5024.N1	30-JUN-2007 04:58:44	Dark	40.000	94	92Alp Cet	2.5260	3100.0	80	27871	No
63	GOM_NL__2PRFIN20070630_050231_000000392059_00262_27871_5025.N1	30-JUN-2007 05:02:31	Dark	38.500	165	34Gam Eri	2.9500	3200.0	77	27871	No
64	GOM_NL__2PRFIN20070630_051658_000000422059_00263_27872_5021.N1	30-JUN-2007 05:16:58	Dark	41.500	9	Alp Eri	0.45300	24000.	83	27872	No
65	GOM_NL__2PRFIN20070630_052423_000000432059_00263_27872_5022.N1	30-JUN-2007 05:24:23	Straylight	42.500	148	Alp Tuc	2.8780	4100.0	85	27872	No
66	GOM_NL__2PRFIN20070630_052847_000000432059_00263_27872_5023.N1	30-JUN-2007 05:28:47	Straylight	43.000	45	Alp Pav	1.9400	26000.	86	27872	No
67	GOM_NL__2PRFIN20070630_053410_000000372059_00263_27872_5024.N1	30-JUN-2007 05:34:10	Straylight	36.500	147	Alp Ara	2.8770	26000.	73	27872	No
68	GOM_NL__2PRFIN20070630_053558_000000392059_00263_27872_5025.N1	30-JUN-2007 05:35:58	Tw_i_and_stray	39.000	40	The Sco	1.8590	7100.0	78	27872	No
69	GOM_NL__2PRFIN20070630_053738_000000422059_00263_27872_5026.N1	30-JUN-2007 05:37:38	Tw_i_and_stray	42.000	25	35Lam Sco	1.6200	28000.	84	27872	No
70	GOM_NL__2PRFIN20070630_053904_000000432059_00263_27872_5027.N1	30-JUN-2007 05:39:04	Bright	42.500	167	10Gam2Sgr	2.9840	4500.0	85	27872	No
71	GOM_NL__2PRFIN20070630_054351_000000372059_00263_27872_5028.N1	30-JUN-2007 05:43:51	Bright	36.500	86	35Eta Oph	2.4300	10200.	73	27872	No
72	GOM_NL__2PRFIN20070630_054536_000000362059_00263_27872_5029.N1	30-JUN-2007 05:45:36	Bright	36.000	98	13Zet Oph	2.5710	30000.	72	27872	No
73	GOM_NL__2PRFIN20070630_054933_000000362059_00263_27872_5030.N1	30-JUN-2007 05:49:33	Bright	36.000	126	60Bet Oph	2.7700	4250.0	72	27872	No
74	GOM_NL__2PRFIN20070630_055153_000000392059_00263_27872_5031.N1	30-JUN-2007 05:51:53	Bright	38.500	59	55Alp Oph	2.0800	8900.0	77	27872	No
75	GOM_NL__2PRFIN20070630_055432_000000342059_00263_27872_5032.N1	30-JUN-2007 05:54:32	Bright	33.500	127	27Bet Her	2.7810	4700.0	67	27872	No
76	GOM_NL__2PRFIN20070630_055717_000000362059_00263_27872_5033.N1	30-JUN-2007 05:57:17	Bright	36.000	133	40Zet Her	2.8070	6000.0	72	27872	No
77	GOM_NL__2PRFIN20070630_060322_000000372059_00263_27872_5034.N1	30-JUN-2007 06:03:22	Bright	37.000	130	23Bet Dra	2.7990	5800.0	74	27872	No
78	GOM_NL__2PRFIN20070630_060542_000000352059_00263_27872_5035.N1	30-JUN-2007 06:05:42	Bright	34.500	119	14Eta Dra	2.7270	4700.0	69	27872	No
79	GOM_NL__2PRFIN20070630_060939_000000372059_00263_27872_5036.N1	30-JUN-2007 06:09:39	Bright	37.000	60	7Bet UMi	2.0810	3950.0	74	27872	No
80	GOM_NL__2PRFIN20070630_061356_000000352059_00263_27872_5037.N1	30-JUN-2007 06:13:56	Bright	34.500	49	1Alp UMi	1.9900	6300.0	69	27872	No
81	GOM_NL__2PRFIN20070630_062414_000000502059_00263_27872_5038.N1	30-JUN-2007 06:24:14	Bright	50.000	160	23Gam Per	2.9300	4700.0	100	27872	No
82	GOM_NL__2PRFIN20070630_062555_000000332059_00263_27872_5039.N1	30-JUN-2007 06:25:55	Bright	33.000	175	39Del Per	3.0100	19400.	66	27872	No
83	GOM_NL__2PRFIN20070630_063921_000000452059_00263_27872_5040.N1	30-JUN-2007 06:39:21	Dark	44.500	94	92Alp Cet	2.5260	3100.0	89	27872	No
84	GOM_NL__2PRFIN20070630_064307_000000362059_00263_27872_5041.N1	30-JUN-2007 06:43:07	Dark	35.500	165	34Gam Eri	2.9500	3200.0	71	27872	No
85	GOM_NL__2PRFIN20070630_065734_000000522059_00264_27873_5036.N1	30-JUN-2007 06:57:34	Dark	52.000	9	Alp Eri	0.45300	24000.	104	27873	No
86	GOM_NL__2PRFIN20070630_070500_000000402059_00264_27873_5037.N1	30-JUN-2007 07:05:00	Straylight	39.500	148	Alp Tuc	2.8780	4100.0	79	27873	No
87	GOM_NL__2PRFIN20070630_070924_000000432059_00264_27873_5038.N1	30-JUN-2007 07:09:24	Straylight	43.000	45	Alp Pav	1.9400	26000.	86	27873	No
88	GOM_NL__2PRFIN20070630_071446_000000392059_00264_27873_5039.N1	30-JUN-2007 07:14:46	Tw_i_and_stray	39.000	147	Alp Ara	2.8770	26000.	78	27873	No
89	GOM_NL__2PRFIN20070630_071634_000000422059_00264_27873_5040.N1	30-JUN-2007 07:16:34	Tw_i_and_stray	42.000	40	The Sco	1.8590	7100.0	84	27873	No
90	GOM_NL__2PRFIN20070630_071814_000000402059_00264_27873_5041.N1	30-JUN-2007 07:18:14	Tw_i_and_stray	39.500	25	35Lam Sco	1.6200	28000.	79	27873	No
91	GOM_NL__2PRFIN20070630_071941_000000442059_00264_27873_5042.N1	30-JUN-2007 07:19:41	Bright	43.500	167	10Gam2Sgr	2.9840	4500.0	87	27873	No
92	GOM_NL__2PRFIN20070630_072427_000000372059_00264_27873_5043.N1	30-JUN-2007 07:24:27	Bright	36.500	86	35Eta Oph	2.4300	10200.	73	27873	No
93	GOM_NL__2PRFIN20070630_072612_000000362059_00264_27873_5044.N1	30-JUN-2007 07:26:12	Bright	35.500	98	13Zet Oph	2.5710	30000.	71	27873	No
94	GOM_NL__2PRFIN20070630_073009_000000362059_00264_27873_5045.N1	30-JUN-2007 07:30:09	Bright	36.000	126	60Bet Oph	2.7700	4250.0	72	27873	No
95	GOM_NL__2PRFIN20070630_073229_000000372059_00264_27873_5046.N1	30-JUN-2007 07:32:29	Bright	36.500	59	55Alp Oph	2.0800	8900.0	73	27873	No
96	GOM_NL__2PRFIN20070630_073508_000000362059_00264_27873_5047.N1	30-JUN-2007 07:35:08	Bright	35.500	127	27Bet Her	2.7810	4700.0	71	27873	No
97	GOM_NL__2PRFIN20070630_073753_000000352059_00264_27873_5048.N1	30-JUN-2007 07:37:53	Bright	34.500	133	40Zet Her	2.8070	6000.0	69	27873	No
98	GOM_NL__2PRFIN20070630_074358_000000392059_00264_27873_5049.N1	30-JUN-2007 07:43:58	Bright	38.500	130	23Bet Dra	2.7990	5800.0	77	27873	No
99	GOM_NL__2PRFIN20070630_074618_000000362059_00264_27873_5050.N1	30-JUN-2007 07:46:18	Bright	35.500	119	14Eta Dra	2.7270	4700.0	71	27873	No
100	GOM_NL__2PRFIN20070630_075016_000000332059_00264_27873_5051.N1	30-JUN-2007 07:50:16	Bright	33.000	60	7Bet UMi	2.0810	3950.0	66	27873	No
101	GOM_NL__2PRFIN20070630_075432_000000342059_00264_27873_5052.N1	30-JUN-2007 07:54:32	Bright	33.500	49	1Alp UMi	1.9900	6300.0	67	27873	No

102	GOM_NL__2PRFIN20070630_080450_000000552059_00264_27873_5053.N1	30-JUN-2007 08:04:50	Bright	54.500	160	23Gam Per	2.9300	4700.0	109	27873	No
103	GOM_NL__2PRFIN20070630_080631_000000332059_00264_27873_5054.N1	30-JUN-2007 08:06:31	Bright	33.000	175	39Del Per	3.0100	19400.	66	27873	No
104	GOM_NL__2PRFIN20070630_081957_000000442059_00264_27873_5055.N1	30-JUN-2007 08:19:57	Dark	44.000	94	92Alp Cet	2.5260	3100.0	88	27873	No
105	GOM_NL__2PRFIN20070630_082343_000000442059_00264_27873_5056.N1	30-JUN-2007 08:23:43	Dark	43.500	165	34Gam Eri	2.9500	3200.0	87	27873	No
106	GOM_NL__2PRFIN20070630_083811_000000402059_00265_27874_5047.N1	30-JUN-2007 08:38:11	Dark	39.500	9	Alp Eri	0.45300	24000.	79	27874	No
107	GOM_NL__2PRFIN20070630_084536_000000422059_00265_27874_5048.N1	30-JUN-2007 08:45:36	Straylight	42.000	148	Alp Tuc	2.8780	4100.0	84	27874	No
108	GOM_NL__2PRFIN20070630_085000_000000432059_00265_27874_5049.N1	30-JUN-2007 08:50:00	Straylight	43.000	45	Alp Pav	1.9400	26000.	86	27874	No
109	GOM_NL__2PRFIN20070630_085522_000000372059_00265_27874_5050.N1	30-JUN-2007 08:55:22	Straylight	36.500	147	Alp Ara	2.8770	26000.	73	27874	No
110	GOM_NL__2PRFIN20070630_085710_000000392059_00265_27874_5051.N1	30-JUN-2007 08:57:10	Tw_i_and_stray	38.500	40	The Sco	1.8590	7100.0	77	27874	No
111	GOM_NL__2PRFIN20070630_085850_000000402059_00265_27874_5052.N1	30-JUN-2007 08:58:50	Tw_i_and_stray	40.000	25	35Lam Sco	1.6200	28000.	80	27874	No
112	GOM_NL__2PRFIN20070630_090017_000000502059_00265_27874_5053.N1	30-JUN-2007 09:00:17	Bright	49.500	167	10Gam2Sgr	2.9840	4500.0	99	27874	No
113	GOM_NL__2PRFIN20070630_090503_000000362059_00265_27874_5054.N1	30-JUN-2007 09:05:03	Bright	36.000	86	35Eta Oph	2.4300	10200.	72	27874	No
114	GOM_NL__2PRFIN20070630_090648_000000362059_00265_27874_5055.N1	30-JUN-2007 09:06:48	Bright	36.000	98	13Zet Oph	2.5710	30000.	72	27874	No
115	GOM_NL__2PRFIN20070630_091045_000000362059_00265_27874_5056.N1	30-JUN-2007 09:10:45	Bright	36.000	126	60Bet Oph	2.7700	4250.0	72	27874	No
116	GOM_NL__2PRFIN20070630_091305_000000382059_00265_27874_5057.N1	30-JUN-2007 09:13:05	Bright	38.000	59	55Alp Oph	2.0800	8900.0	76	27874	No
117	GOM_NL__2PRFIN20070630_091544_000000352059_00265_27874_5058.N1	30-JUN-2007 09:15:44	Bright	34.500	127	27Bet Her	2.7810	4700.0	69	27874	No
118	GOM_NL__2PRFIN20070630_091829_000000352059_00265_27874_5059.N1	30-JUN-2007 09:18:29	Bright	34.500	133	40Zet Her	2.8070	6000.0	69	27874	No
119	GOM_NL__2PRFIN20070630_092434_000000382059_00265_27874_5060.N1	30-JUN-2007 09:24:34	Bright	38.000	130	23Bet Dra	2.7990	5800.0	76	27874	No
120	GOM_NL__2PRFIN20070630_092654_000000352059_00265_27874_5061.N1	30-JUN-2007 09:26:54	Bright	34.500	119	14Eta Dra	2.7270	4700.0	69	27874	No
121	GOM_NL__2PRFIN20070630_093052_000000362059_00265_27874_5062.N1	30-JUN-2007 09:30:52	Bright	35.500	60	7Bet UMi	2.0810	3950.0	71	27874	No
122	GOM_NL__2PRFIN20070630_093508_000000362059_00265_27874_5063.N1	30-JUN-2007 09:35:08	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	27874	No
123	GOM_NL__2PRFIN20070630_094526_000000442059_00265_27874_5064.N1	30-JUN-2007 09:45:26	Bright	43.500	160	23Gam Per	2.9300	4700.0	87	27874	No
124	GOM_NL__2PRFIN20070630_094707_000000402059_00265_27874_5065.N1	30-JUN-2007 09:47:07	Bright	39.500	175	39Del Per	3.0100	19400.	79	27874	No
125	GOM_NL__2PRFIN20070630_100033_000000492059_00265_27874_5066.N1	30-JUN-2007 10:00:33	Dark	49.000	94	92Alp Cet	2.5260	3100.0	98	27874	No
126	GOM_NL__2PRFIN20070630_100419_000000412059_00265_27874_5067.N1	30-JUN-2007 10:04:19	Dark	41.000	165	34Gam Eri	2.9500	3200.0	82	27874	No
127	GOM_NL__2PRFIN20070630_101847_000000392059_00266_27875_5068.N1	30-JUN-2007 10:18:47	Dark	38.500	9	Alp Eri	0.45300	24000.	77	27875	No
128	GOM_NL__2PRFIN20070630_102613_000000422059_00266_27875_5069.N1	30-JUN-2007 10:26:13	Straylight	41.500	148	Alp Tuc	2.8780	4100.0	83	27875	No
129	GOM_NL__2PRFIN20070630_103036_000000422059_00266_27875_5070.N1	30-JUN-2007 10:30:36	Straylight	42.000	45	Alp Pav	1.9400	26000.	84	27875	No
130	GOM_NL__2PRFIN20070630_103558_000000382059_00266_27875_5071.N1	30-JUN-2007 10:35:58	Tw_i_and_stray	37.500	147	Alp Ara	2.8770	26000.	75	27875	No
131	GOM_NL__2PRFIN20070630_103746_000000402059_00266_27875_5072.N1	30-JUN-2007 10:37:46	Tw_i_and_stray	40.000	40	The Sco	1.8590	7100.0	80	27875	No
132	GOM_NL__2PRFIN20070630_103926_000000402059_00266_27875_5073.N1	30-JUN-2007 10:39:26	Tw_i_and_stray	39.500	25	35Lam Sco	1.6200	28000.	79	27875	No
133	GOM_NL__2PRFIN20070630_104053_000000452059_00266_27875_5074.N1	30-JUN-2007 10:40:53	Bright	45.000	167	10Gam2Sgr	2.9840	4500.0	90	27875	No
134	GOM_NL__2PRFIN20070630_104539_000000362059_00266_27875_5075.N1	30-JUN-2007 10:45:39	Bright	36.000	86	35Eta Oph	2.4300	10200.	72	27875	No
135	GOM_NL__2PRFIN20070630_104724_000000372059_00266_27875_5076.N1	30-JUN-2007 10:47:24	Bright	36.500	98	13Zet Oph	2.5710	30000.	73	27875	No
136	GOM_NL__2PRFIN20070630_105120_000000362059_00266_27875_5077.N1	30-JUN-2007 10:51:20	Bright	35.500	126	60Bet Oph	2.7700	4250.0	71	27875	No
137	GOM_NL__2PRFIN20070630_105341_000000372059_00266_27875_5078.N1	30-JUN-2007 10:53:41	Bright	37.000	59	55Alp Oph	2.0800	8900.0	74	27875	No
138	GOM_NL__2PRFIN20070630_105620_000000362059_00266_27875_5079.N1	30-JUN-2007 10:56:20	Bright	36.000	127	27Bet Her	2.7810	4700.0	72	27875	No
139	GOM_NL__2PRFIN20070630_105905_000000352059_00266_27875_5080.N1	30-JUN-2007 10:59:05	Bright	35.000	133	40Zet Her	2.8070	6000.0	70	27875	No
140	GOM_NL__2PRFIN20070630_110509_000000382059_00266_27875_5081.N1	30-JUN-2007 11:05:09	Bright	37.500	130	23Bet Dra	2.7990	5800.0	75	27875	No
141	GOM_NL__2PRFIN20070630_110730_000000362059_00266_27875_5082.N1	30-JUN-2007 11:07:30	Bright	36.000	119	14Eta Dra	2.7270	4700.0	72	27875	No
142	GOM_NL__2PRFIN20070630_111128_000000372059_00266_27875_5083.N1	30-JUN-2007 11:11:28	Bright	36.500	60	7Bet UMi	2.0810	3950.0	73	27875	No
143	GOM_NL__2PRFIN20070630_111543_000000372059_00266_27875_5084.N1	30-JUN-2007 11:15:43	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	27875	No
144	GOM_NL__2PRFIN20070630_112602_000000392059_00266_27875_5085.N1	30-JUN-2007 11:26:02	Bright	38.500	160	23Gam Per	2.9300	4700.0	77	27875	No
145	GOM_NL__2PRFIN20070630_112743_000000462059_00266_27875_5086.N1	30-JUN-2007 11:27:43	Bright	46.000	175	39Del Per	3.0100	19400.	92	27875	No
146	GOM_NL__2PRFIN20070630_114109_000000462059_00266_27875_5087.N1	30-JUN-2007 11:41:09	Dark	46.000	94	92Alp Cet	2.5260	3100.0	92	27875	No
147	GOM_NL__2PRFIN20070630_114455_000000442059_00266_27875_5088.N1	30-JUN-2007 11:44:55	Dark	43.500	165	34Gam Eri	2.9500	3200.0	87	27875	No
148	GOM_NL__2PRFIN20070630_115923_000000482059_00267_27876_5082.N1	30-JUN-2007 11:59:23	Dark	48.000	9	Alp Eri	0.45300	24000.	96	27876	No
149	GOM_NL__2PRFIN20070630_120649_000000422059_00267_27876_5083.N1	30-JUN-2007 12:06:49	Straylight	42.000	148	Alp Tuc	2.8780	4100.0	84	27876	No
150	GOM_NL__2PRFIN20070630_121113_000000412059_00267_27876_5084.N1	30-JUN-2007 12:11:13	Straylight	40.500	45	Alp Pav	1.9400	26000.	81	27876	No
151	GOM_NL__2PRFIN20070630_121634_000000372059_00267_27876_5085.N1	30-JUN-2007 12:16:34	Tw_i_and_stray	36.500	147	Alp Ara	2.8770	26000.	73	27876	No
152	GOM_NL__2PRFIN20070630_121822_000000392059_00267_27876_5086.N1	30-JUN-2007 12:18:22	Tw_i_and_stray	39.000	40	The Sco	1.8590	7100.0	78	27876	No
153	GOM_NL__2PRFIN20070630_122002_000000412059_00267_27876_5087.N1	30-JUN-2007 12:20:02	Tw_i_and_stray	41.000	25	35Lam Sco	1.6200	28000.	82	27876	No
154	GOM_NL__2PRFIN20070630_122126_000000482059_00267_27876_5088.N1	30-JUN-2007 12:21:26	Bright	47.500	116	19Del Sgr	2.7000	4100.0	95	27876	No
155	GOM_NL__2PRFIN20070630_122239_000000412059_00267_27876_5089.N1	30-JUN-2007 12:22:39	Bright	41.000	137	22Lam Sgr	2.8240	4400.0	82	27876	No
156	GOM_NL__2PRFIN20070630_122615_000000372059_00267_27876_5090.N1	30-JUN-2007 12:26:15	Bright	36.500	86	35Eta Oph	2.4300	10200.	73	27876	No
157	GOM_NL__2PRFIN20070630_122800_000000372059_00267_27876_5091.N1	30-JUN-2007 12:28:00	Bright	36.500	98	13Zet Oph	2.5710	30000.	73	27876	No
158	GOM_NL__2PRFIN20070630_123156_000000372059_00267_27876_5092.N1	30-JUN-2007 12:31:56	Bright	36.500	126	60Bet Oph	2.7700	4250.0	73	27876	No
159	GOM_NL__2PRFIN20070630_123417_000000362059_00267_27876_5093.N1	30-JUN-2007 12:34:17	Bright	35.500	59	55Alp Oph	2.0800	8900.0	71	27876	No
160	GOM_NL__2PRFIN20070630_123656_000000372059_00267_27876_5094.N1	30-JUN-2007 12:36:56	Bright	36.500	127	27Bet Her	2.7810	4700.0	73	27876	No

161	GOM_NL__2PRFIN20070630_123941_000000362059_00267_27876_5095.N1	30-JUN-2007 12:39:41	Bright	35.500	133	40Zet Her	2.8070	6000.0	71	27876	No
162	GOM_NL__2PRFIN20070630_124545_000000372059_00267_27876_5096.N1	30-JUN-2007 12:45:45	Bright	37.000	130	23Bet Dra	2.7990	5800.0	74	27876	No
163	GOM_NL__2PRFIN20070630_124806_000000372059_00267_27876_5097.N1	30-JUN-2007 12:48:06	Bright	36.500	119	14Eta Dra	2.7270	4700.0	73	27876	No
164	GOM_NL__2PRFIN20070630_125204_000000372059_00267_27876_5098.N1	30-JUN-2007 12:52:04	Bright	37.000	60	7Bet UMi	2.0810	3950.0	74	27876	No
165	GOM_NL__2PRFIN20070630_125619_000000362059_00267_27876_5099.N1	30-JUN-2007 12:56:19	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	27876	No
166	GOM_NL__2PRFIN20070630_130638_000000392059_00267_27876_5100.N1	30-JUN-2007 13:06:38	Bright	39.000	160	23Gam Per	2.9300	4700.0	78	27876	No
167	GOM_NL__2PRFIN20070630_130819_000000332059_00267_27876_5101.N1	30-JUN-2007 13:08:19	Bright	33.000	175	39Del Per	3.0100	19400.	66	27876	No
168	GOM_NL__2PRFIN20070630_132146_000000462059_00267_27876_5102.N1	30-JUN-2007 13:21:46	Dark	45.500	94	92Alp Cet	2.5260	3100.0	91	27876	No
169	GOM_NL__2PRFIN20070630_132531_000000442059_00267_27876_5103.N1	30-JUN-2007 13:25:31	Dark	43.500	165	34Gam Eri	2.9500	3200.0	87	27876	No
170	GOM_NL__2PRFIN20070630_134000_000000402059_00268_27877_5119.N1	30-JUN-2007 13:40:00	Dark	39.500	9	Alp Eri	0.45300	24000.	79	27877	No
171	GOM_NL__2PRFIN20070630_134726_000000422059_00268_27877_5120.N1	30-JUN-2007 13:47:26	Straylight	42.000	148	Alp Tuc	2.8780	4100.0	84	27877	No
172	GOM_NL__2PRFIN20070630_135149_000000412059_00268_27877_5121.N1	30-JUN-2007 13:51:49	Straylight	40.500	45	Alp Pav	1.9400	26000.	81	27877	No
173	GOM_NL__2PRFIN20070630_135710_000000372059_00268_27877_5122.N1	30-JUN-2007 13:57:10	Tw_i_and_stray	37.000	147	Alp Ara	2.8770	26000.	74	27877	No
174	GOM_NL__2PRFIN20070630_135858_000000422059_00268_27877_5123.N1	30-JUN-2007 13:58:58	Tw_i_and_stray	42.000	40	The Sco	1.8590	7100.0	84	27877	No
175	GOM_NL__2PRFIN20070630_140038_000000412059_00268_27877_5124.N1	30-JUN-2007 14:00:38	Tw_i_and_stray	41.000	25	35Lam Sco	1.6200	28000.	82	27877	No
176	GOM_NL__2PRFIN20070630_140203_000000542059_00268_27877_5125.N1	30-JUN-2007 14:02:03	Bright	54.000	116	19Del Sgr	2.7000	4100.0	108	27877	No
177	GOM_NL__2PRFIN20070630_140315_000000402059_00268_27877_5126.N1	30-JUN-2007 14:03:15	Bright	39.500	137	22Lam Sgr	2.8240	4400.0	79	27877	No
178	GOM_NL__2PRFIN20070630_140651_000000372059_00268_27877_5127.N1	30-JUN-2007 14:06:51	Bright	36.500	86	35Eta Oph	2.4300	10200.	73	27877	No
179	GOM_NL__2PRFIN20070630_140836_000000362059_00268_27877_5128.N1	30-JUN-2007 14:08:36	Bright	36.000	98	13Zet Oph	2.5710	30000.	72	27877	No
180	GOM_NL__2PRFIN20070630_141232_000000372059_00268_27877_5129.N1	30-JUN-2007 14:12:32	Bright	37.000	126	60Bet Oph	2.7700	4250.0	74	27877	No
181	GOM_NL__2PRFIN20070630_141452_000000382059_00268_27877_5130.N1	30-JUN-2007 14:14:52	Bright	38.000	59	55Alp Oph	2.0800	8900.0	76	27877	No
182	GOM_NL__2PRFIN20070630_141732_000000342059_00268_27877_5131.N1	30-JUN-2007 14:17:32	Bright	34.000	127	27Bet Her	2.7810	4700.0	68	27877	No
183	GOM_NL__2PRFIN20070630_142017_000000352059_00268_27877_5132.N1	30-JUN-2007 14:20:17	Bright	34.500	133	40Zet Her	2.8070	6000.0	69	27877	No
184	GOM_NL__2PRFIN20070630_142621_000000372059_00268_27877_5133.N1	30-JUN-2007 14:26:21	Bright	37.000	130	23Bet Dra	2.7990	5800.0	74	27877	No
185	GOM_NL__2PRFIN20070630_142842_000000372059_00268_27877_5134.N1	30-JUN-2007 14:28:42	Bright	37.000	119	14Eta Dra	2.7270	4700.0	74	27877	No
186	GOM_NL__2PRFIN20070630_143240_000000372059_00268_27877_5135.N1	30-JUN-2007 14:32:40	Bright	36.500	60	7Bet UMi	2.0810	3950.0	73	27877	No
187	GOM_NL__2PRFIN20070630_143655_000000352059_00268_27877_5136.N1	30-JUN-2007 14:36:55	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	27877	No
188	GOM_NL__2PRFIN20070630_144713_000000362059_00268_27877_5137.N1	30-JUN-2007 14:47:13	Bright	36.000	160	23Gam Per	2.9300	4700.0	72	27877	No
189	GOM_NL__2PRFIN20070630_144855_000000472059_00268_27877_5138.N1	30-JUN-2007 14:48:55	Bright	47.000	175	39Del Per	3.0100	19400.	94	27877	No
190	GOM_NL__2PRFIN20070630_150222_000000462059_00268_27877_5139.N1	30-JUN-2007 15:02:22	Dark	45.500	94	92Alp Cet	2.5260	3100.0	91	27877	No
191	GOM_NL__2PRFIN20070630_150608_000000432059_00268_27877_5140.N1	30-JUN-2007 15:06:08	Dark	43.000	165	34Gam Eri	2.9500	3200.0	86	27877	No
192	GOM_NL__2PRFIN20070630_152036_000000422059_00269_27878_5134.N1	30-JUN-2007 15:20:36	Dark	41.500	9	Alp Eri	0.45300	24000.	83	27878	No
193	GOM_NL__2PRFIN20070630_152802_000000422059_00269_27878_5135.N1	30-JUN-2007 15:28:02	Straylight	41.500	148	Alp Tuc	2.8780	4100.0	83	27878	No
194	GOM_NL__2PRFIN20070630_153226_000000402059_00269_27878_5136.N1	30-JUN-2007 15:32:26	Straylight	39.500	45	Alp Pav	1.9400	26000.	79	27878	No
195	GOM_NL__2PRFIN20070630_153746_000000362059_00269_27878_5137.N1	30-JUN-2007 15:37:46	Tw_i_and_stray	36.000	147	Alp Ara	2.8770	26000.	72	27878	No
196	GOM_NL__2PRFIN20070630_153934_000000382059_00269_27878_5138.N1	30-JUN-2007 15:39:34	Tw_i_and_stray	38.000	40	The Sco	1.8590	7100.0	76	27878	No
197	GOM_NL__2PRFIN20070630_154114_000000392059_00269_27878_5139.N1	30-JUN-2007 15:41:14	Tw_i_and_stray	39.000	25	35Lam Sco	1.6200	28000.	78	27878	No
198	GOM_NL__2PRFIN20070630_154239_000000482059_00269_27878_5140.N1	30-JUN-2007 15:42:39	Bright	48.000	116	19Del Sgr	2.7000	4100.0	96	27878	No
199	GOM_NL__2PRFIN20070630_154351_000000422059_00269_27878_5141.N1	30-JUN-2007 15:43:51	Bright	42.000	137	22Lam Sgr	2.8240	4400.0	84	27878	No
200	GOM_NL__2PRFIN20070630_154727_000000372059_00269_27878_5142.N1	30-JUN-2007 15:47:27	Bright	37.000	86	35Eta Oph	2.4300	10200.	74	27878	No
201	GOM_NL__2PRFIN20070630_154912_000000362059_00269_27878_5143.N1	30-JUN-2007 15:49:12	Bright	36.000	98	13Zet Oph	2.5710	30000.	72	27878	No
202	GOM_NL__2PRFIN20070630_155308_000000382059_00269_27878_5144.N1	30-JUN-2007 15:53:08	Bright	37.500	126	60Bet Oph	2.7700	4250.0	75	27878	No
203	GOM_NL__2PRFIN20070630_155528_000000392059_00269_27878_5145.N1	30-JUN-2007 15:55:28	Bright	38.500	59	55Alp Oph	2.0800	8900.0	77	27878	No
204	GOM_NL__2PRFIN20070630_155808_000000372059_00269_27878_5146.N1	30-JUN-2007 15:58:08	Bright	36.500	127	27Bet Her	2.7810	4700.0	73	27878	No
205	GOM_NL__2PRFIN20070630_160053_000000372059_00269_27878_5147.N1	30-JUN-2007 16:00:53	Bright	36.500	133	40Zet Her	2.8070	6000.0	73	27878	No
206	GOM_NL__2PRFIN20070630_160657_000000352059_00269_27878_5148.N1	30-JUN-2007 16:06:57	Bright	35.000	130	23Bet Dra	2.7990	5800.0	70	27878	No
207	GOM_NL__2PRFIN20070630_160918_000000362059_00269_27878_5149.N1	30-JUN-2007 16:09:18	Bright	35.500	119	14Eta Dra	2.7270	4700.0	71	27878	No
208	GOM_NL__2PRFIN20070630_161316_000000332059_00269_27878_5150.N1	30-JUN-2007 16:13:16	Bright	33.000	60	7Bet UMi	2.0810	3950.0	66	27878	No
209	GOM_NL__2PRFIN20070630_161731_000000362059_00269_27878_5151.N1	30-JUN-2007 16:17:31	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	27878	No
210	GOM_NL__2PRFIN20070630_162749_000000552059_00269_27878_5152.N1	30-JUN-2007 16:27:49	Bright	55.000	160	23Gam Per	2.9300	4700.0	110	27878	No
211	GOM_NL__2PRFIN20070630_162931_000000342059_00269_27878_5153.N1	30-JUN-2007 16:29:31	Bright	33.500	175	39Del Per	3.0100	19400.	67	27878	No
212	GOM_NL__2PRFIN20070630_164259_000000552059_00269_27878_5154.N1	30-JUN-2007 16:42:59	Dark	54.500	94	92Alp Cet	2.5260	3100.0	109	27878	No
213	GOM_NL__2PRFIN20070630_164644_000000412059_00269_27878_5155.N1	30-JUN-2007 16:46:44	Dark	41.000	165	34Gam Eri	2.9500	3200.0	82	27878	No
214	GOM_NL__2PRFIN20070630_170113_000000392059_00270_27879_5144.N1	30-JUN-2007 17:01:13	Dark	38.500	9	Alp Eri	0.45300	24000.	77	27879	No
215	GOM_NL__2PRFIN20070630_184916_000000412059_00271_27880_5164.N1	30-JUN-2007 18:49:16	Straylight	41.000	148	Alp Tuc	2.8780	4100.0	82	27880	No
216	GOM_NL__2PRFIN20070630_185339_000000402059_00271_27880_5165.N1	30-JUN-2007 18:53:39	Straylight	39.500	45	Alp Pav	1.9400	26000.	79	27880	No
217	GOM_NL__2PRFIN20070630_185859_000000382059_00271_27880_5166.N1	30-JUN-2007 18:58:59	Tw_i_and_stray	38.000	147	Alp Ara	2.8770	26000.	76	27880	No
218	GOM_NL__2PRFIN20070630_190047_000000432059_00271_27880_5167.N1	30-JUN-2007 19:00:47	Tw_i_and_stray	43.000	40	The Sco	1.8590	7100.0	86	27880	No
219	GOM_NL__2PRFIN20070630_190227_000000422059_00271_27880_5168.N1	30-JUN-2007 19:02:27	Tw_i_and_stray	41.500	25	35Lam Sco	1.6200	28000.	83	27880	No

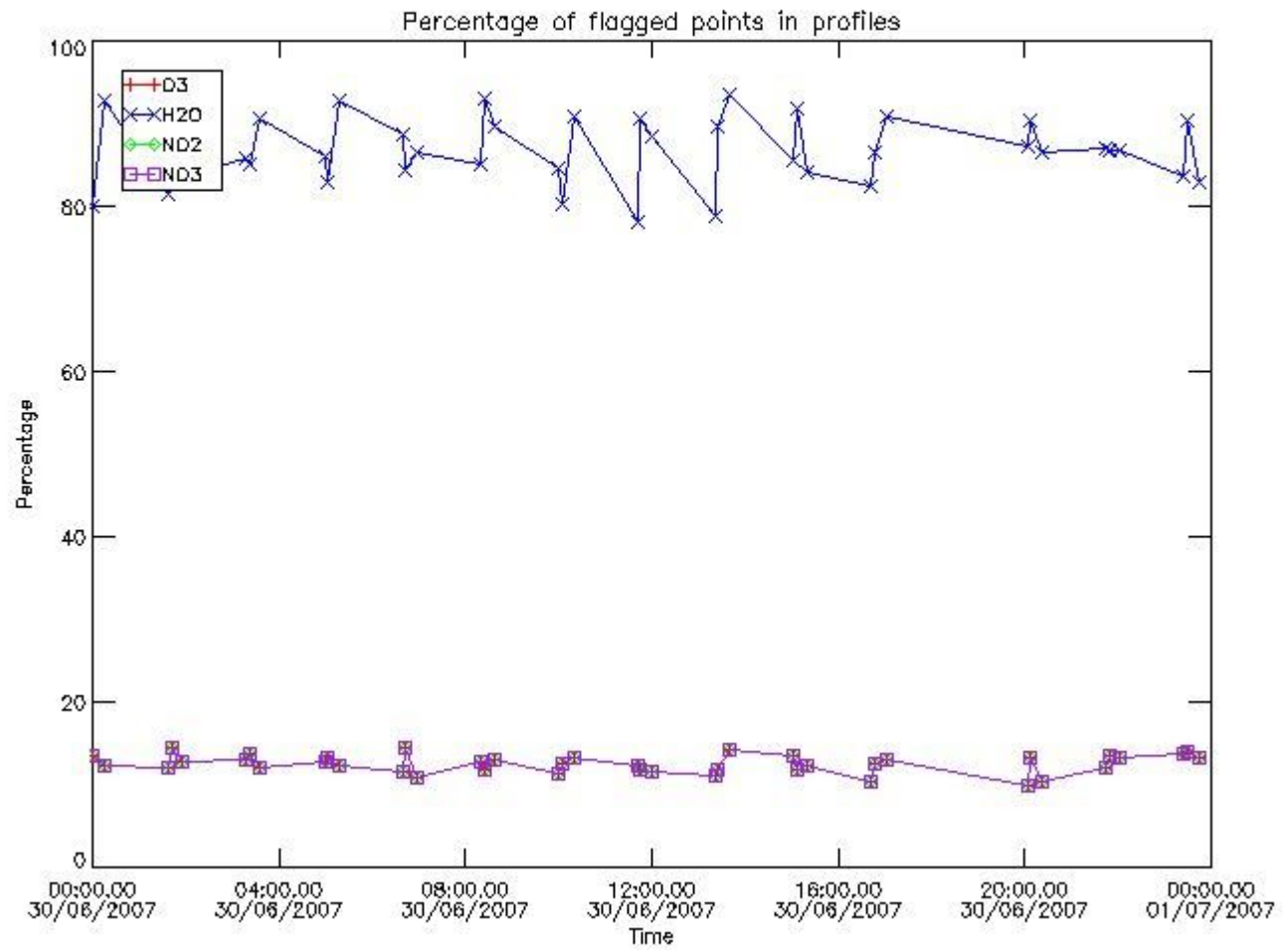


220	GOM_NL__2PRFIN20070630_190351_000000552059_00271_27880_5169.N1	30-JUN-2007 19:03:51	Bright	55.000	116	19Del Sgr	2.7000	4100.0	110	27880	No
221	GOM_NL__2PRFIN20070630_190504_000000412059_00271_27880_5170.N1	30-JUN-2007 19:05:04	Bright	41.000	137	22Lam Sgr	2.8240	4400.0	82	27880	No
222	GOM_NL__2PRFIN20070630_190839_000000372059_00271_27880_5171.N1	30-JUN-2007 19:08:39	Bright	37.000	86	35Eta Oph	2.4300	10200.	74	27880	No
223	GOM_NL__2PRFIN20070630_191420_000000382059_00271_27880_5172.N1	30-JUN-2007 19:14:20	Bright	38.000	126	60Bet Oph	2.7700	4250.0	76	27880	No
224	GOM_NL__2PRFIN20070630_191640_000000372059_00271_27880_5173.N1	30-JUN-2007 19:16:40	Bright	36.500	59	55Alp Oph	2.0800	8900.0	73	27880	No
225	GOM_NL__2PRFIN20070630_191920_000000362059_00271_27880_5174.N1	30-JUN-2007 19:19:20	Bright	36.000	127	27Bet Her	2.7810	4700.0	72	27880	No
226	GOM_NL__2PRFIN20070630_192205_000000352059_00271_27880_5175.N1	30-JUN-2007 19:22:05	Bright	34.500	133	40Zet Her	2.8070	6000.0	69	27880	No
227	GOM_NL__2PRFIN20070630_192808_000000372059_00271_27880_5176.N1	30-JUN-2007 19:28:08	Bright	36.500	130	23Bet Dra	2.7990	5800.0	73	27880	No
228	GOM_NL__2PRFIN20070630_193030_000000362059_00271_27880_5177.N1	30-JUN-2007 19:30:30	Bright	35.500	119	14Eta Dra	2.7270	4700.0	71	27880	No
229	GOM_NL__2PRFIN20070630_193428_000000332059_00271_27880_5178.N1	30-JUN-2007 19:34:28	Bright	33.000	60	7Bet UMi	2.0810	3950.0	66	27880	No
230	GOM_NL__2PRFIN20070630_193843_000000362059_00271_27880_5179.N1	30-JUN-2007 19:38:43	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	27880	No
231	GOM_NL__2PRFIN20070630_194901_000000492059_00271_27880_5180.N1	30-JUN-2007 19:49:01	Bright	49.000	160	23Gam Per	2.9300	4700.0	98	27880	No
232	GOM_NL__2PRFIN20070630_195043_000000402059_00271_27880_5181.N1	30-JUN-2007 19:50:43	Bright	39.500	175	39Del Per	3.0100	19400.	79	27880	No
233	GOM_NL__2PRFIN20070630_200412_000000522059_00271_27880_5182.N1	30-JUN-2007 20:04:12	Dark	51.500	94	92Alp Cet	2.5260	3100.0	103	27880	No
234	GOM_NL__2PRFIN20070630_200756_000000422059_00271_27880_5183.N1	30-JUN-2007 20:07:56	Dark	42.000	165	34Gam Eri	2.9500	3200.0	84	27880	No
235	GOM_NL__2PRFIN20070630_202226_000000492059_00272_27881_5179.N1	30-JUN-2007 20:22:26	Dark	49.000	9	Alp Eri	0.45300	24000.	98	27881	No
236	GOM_NL__2PRFIN20070630_202952_000000422059_00272_27881_5180.N1	30-JUN-2007 20:29:52	Straylight	42.000	148	Alp Tuc	2.8780	4100.0	84	27881	No
237	GOM_NL__2PRFIN20070630_203415_000000412059_00272_27881_5181.N1	30-JUN-2007 20:34:15	Straylight	40.500	45	Alp Pav	1.9400	26000.	81	27881	No
238	GOM_NL__2PRFIN20070630_203935_000000392059_00272_27881_5182.N1	30-JUN-2007 20:39:35	Twi_and_stray	39.000	147	Alp Ara	2.8770	26000.	78	27881	No
239	GOM_NL__2PRFIN20070630_204123_000000412059_00272_27881_5183.N1	30-JUN-2007 20:41:23	Twi_and_stray	41.000	40	The Sco	1.8590	7100.0	82	27881	No
240	GOM_NL__2PRFIN20070630_204303_000000382059_00272_27881_5184.N1	30-JUN-2007 20:43:03	Twi_and_stray	38.000	25	35Lam Sco	1.6200	28000.	76	27881	No
241	GOM_NL__2PRFIN20070630_204427_000000462059_00272_27881_5185.N1	30-JUN-2007 20:44:27	Bright	46.000	116	19Del Sgr	2.7000	4100.0	92	27881	No
242	GOM_NL__2PRFIN20070630_204540_000000412059_00272_27881_5186.N1	30-JUN-2007 20:45:40	Bright	41.000	137	22Lam Sgr	2.8240	4400.0	82	27881	No
243	GOM_NL__2PRFIN20070630_204915_000000372059_00272_27881_5187.N1	30-JUN-2007 20:49:15	Bright	37.000	86	35Eta Oph	2.4300	10200.	74	27881	No
244	GOM_NL__2PRFIN20070630_205456_000000382059_00272_27881_5188.N1	30-JUN-2007 20:54:56	Bright	37.500	126	60Bet Oph	2.7700	4250.0	75	27881	No
245	GOM_NL__2PRFIN20070630_205716_000000362059_00272_27881_5189.N1	30-JUN-2007 20:57:16	Bright	36.000	59	55Alp Oph	2.0800	8900.0	72	27881	No
246	GOM_NL__2PRFIN20070630_205956_000000352059_00272_27881_5190.N1	30-JUN-2007 20:59:56	Bright	34.500	127	27Bet Her	2.7810	4700.0	69	27881	No
247	GOM_NL__2PRFIN20070630_210241_000000342059_00272_27881_5191.N1	30-JUN-2007 21:02:41	Bright	34.000	133	40Zet Her	2.8070	6000.0	68	27881	No
248	GOM_NL__2PRFIN20070630_210844_000000362059_00272_27881_5192.N1	30-JUN-2007 21:08:44	Bright	36.000	130	23Bet Dra	2.7990	5800.0	72	27881	No
249	GOM_NL__2PRFIN20070630_211106_000000372059_00272_27881_5193.N1	30-JUN-2007 21:11:06	Bright	36.500	119	14Eta Dra	2.7270	4700.0	73	27881	No
250	GOM_NL__2PRFIN20070630_211504_000000372059_00272_27881_5194.N1	30-JUN-2007 21:15:04	Bright	36.500	60	7Bet UMi	2.0810	3950.0	73	27881	No
251	GOM_NL__2PRFIN20070630_211919_000000362059_00272_27881_5195.N1	30-JUN-2007 21:19:19	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	27881	No
252	GOM_NL__2PRFIN20070630_212937_000000552059_00272_27881_5196.N1	30-JUN-2007 21:29:37	Bright	55.000	160	23Gam Per	2.9300	4700.0	110	27881	No
253	GOM_NL__2PRFIN20070630_213119_000000332059_00272_27881_5197.N1	30-JUN-2007 21:31:19	Bright	32.500	175	39Del Per	3.0100	19400.	65	27881	No
254	GOM_NL__2PRFIN20070630_214448_000000472059_00272_27881_5198.N1	30-JUN-2007 21:44:48	Dark	46.500	94	92Alp Cet	2.5260	3100.0	93	27881	No
255	GOM_NL__2PRFIN20070630_214832_000000382059_00272_27881_5199.N1	30-JUN-2007 21:48:32	Dark	38.000	165	34Gam Eri	2.9500	3200.0	76	27881	No
256	GOM_NL__2PRFIN20070630_220302_000000392059_00273_27882_5192.N1	30-JUN-2007 22:03:02	Dark	38.500	9	Alp Eri	0.45300	24000.	77	27882	No
257	GOM_NL__2PRFIN20070630_221029_000000422059_00273_27882_5193.N1	30-JUN-2007 22:10:29	Straylight	41.500	148	Alp Tuc	2.8780	4100.0	83	27882	No
258	GOM_NL__2PRFIN20070630_221451_000000402059_00273_27882_5194.N1	30-JUN-2007 22:14:51	Straylight	39.500	45	Alp Pav	1.9400	26000.	79	27882	No
259	GOM_NL__2PRFIN20070630_222011_000000372059_00273_27882_5195.N1	30-JUN-2007 22:20:11	Twi_and_stray	36.500	147	Alp Ara	2.8770	26000.	73	27882	No
260	GOM_NL__2PRFIN20070630_222159_000000432059_00273_27882_5196.N1	30-JUN-2007 22:21:59	Twi_and_stray	42.500	40	The Sco	1.8590	7100.0	85	27882	No
261	GOM_NL__2PRFIN20070630_222339_000000412059_00273_27882_5197.N1	30-JUN-2007 22:23:39	Twi_and_stray	40.500	25	35Lam Sco	1.6200	28000.	81	27882	No
262	GOM_NL__2PRFIN20070630_222503_000000442059_00273_27882_5198.N1	30-JUN-2007 22:25:03	Bright	44.000	116	19Del Sgr	2.7000	4100.0	88	27882	No
263	GOM_NL__2PRFIN20070630_222616_000000432059_00273_27882_5199.N1	30-JUN-2007 22:26:16	Bright	43.000	137	22Lam Sgr	2.8240	4400.0	86	27882	No
264	GOM_NL__2PRFIN20070630_222951_000000372059_00273_27882_5200.N1	30-JUN-2007 22:29:51	Bright	36.500	86	35Eta Oph	2.4300	10200.	73	27882	No
265	GOM_NL__2PRFIN20070630_223532_000000382059_00273_27882_5201.N1	30-JUN-2007 22:35:32	Bright	37.500	126	60Bet Oph	2.7700	4250.0	75	27882	No
266	GOM_NL__2PRFIN20070630_223752_000000362059_00273_27882_5202.N1	30-JUN-2007 22:37:52	Bright	36.000	59	55Alp Oph	2.0800	8900.0	72	27882	No
267	GOM_NL__2PRFIN20070630_224032_000000362059_00273_27882_5203.N1	30-JUN-2007 22:40:32	Bright	36.000	127	27Bet Her	2.7810	4700.0	72	27882	No
268	GOM_NL__2PRFIN20070630_224317_000000372059_00273_27882_5204.N1	30-JUN-2007 22:43:17	Bright	36.500	133	40Zet Her	2.8070	6000.0	73	27882	No
269	GOM_NL__2PRFIN20070630_224920_000000382059_00273_27882_5205.N1	30-JUN-2007 22:49:20	Bright	37.500	130	23Bet Dra	2.7990	5800.0	75	27882	No
270	GOM_NL__2PRFIN20070630_225142_000000362059_00273_27882_5206.N1	30-JUN-2007 22:51:42	Bright	36.000	119	14Eta Dra	2.7270	4700.0	72	27882	No
271	GOM_NL__2PRFIN20070630_225540_000000352059_00273_27882_5207.N1	30-JUN-2007 22:55:40	Bright	35.000	60	7Bet UMi	2.0810	3950.0	70	27882	No
272	GOM_NL__2PRFIN20070630_225955_000000342059_00273_27882_5208.N1	30-JUN-2007 22:59:55	Bright	33.500	49	1Alp UMi	1.9900	6300.0	67	27882	No
273	GOM_NL__2PRFIN20070630_231013_000000432059_00273_27882_5209.N1	30-JUN-2007 23:10:13	Bright	42.500	160	23Gam Per	2.9300	4700.0	85	27882	No
274	GOM_NL__2PRFIN20070630_231155_000000502059_00273_27882_5210.N1	30-JUN-2007 23:11:55	Bright	50.000	175	39Del Per	3.0100	19400.	100	27882	No
275	GOM_NL__2PRFIN20070630_232524_000000372059_00273_27882_5211.N1	30-JUN-2007 23:25:24	Dark	37.000	94	92Alp Cet	2.5260	3100.0	74	27882	No
276	GOM_NL__2PRFIN20070630_232909_000000362059_00273_27882_5212.N1	30-JUN-2007 23:29:09	Dark	36.000	165	34Gam Eri	2.9500	3200.0	72	27882	No
277	GOM_NL__2PRFIN20070630_234338_000000392059_00274_27883_5208.N1	30-JUN-2007 23:43:38	Dark	38.500	9	Alp Eri	0.45300	24000.	77	27883	No
278	GOM_NL__2PRFIN20070630_235105_000000422059_00274_27883_5209.N1	30-JUN-2007 23:51:05	Straylight	42.000	148	Alp Tuc	2.8780	4100.0	84	27883	No

### 3. Quality information per product

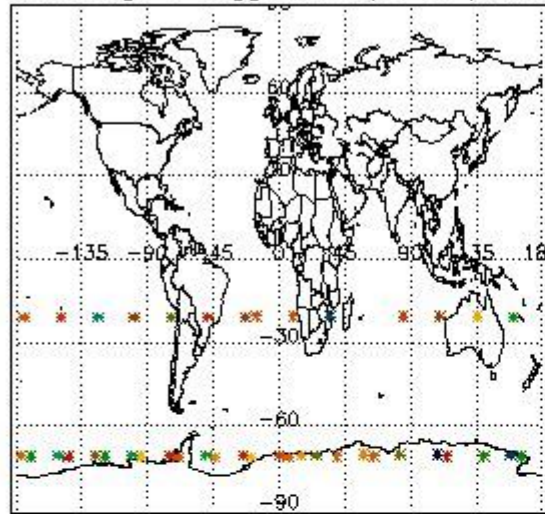
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

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

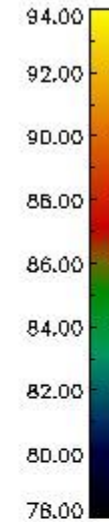
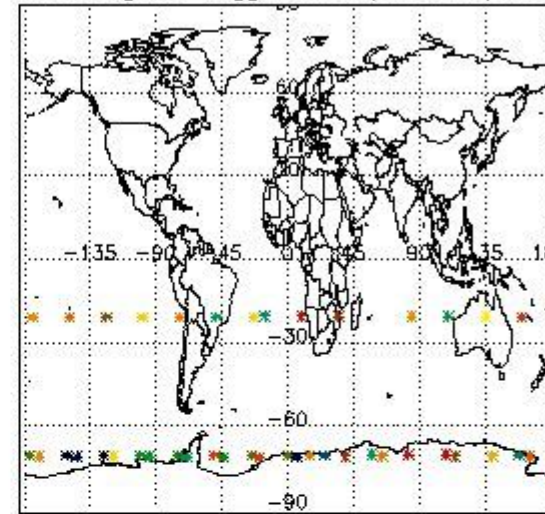


#### 3.2 Plot quality information per product (world map)

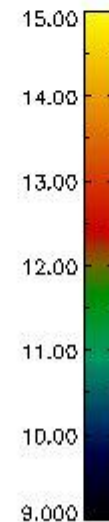
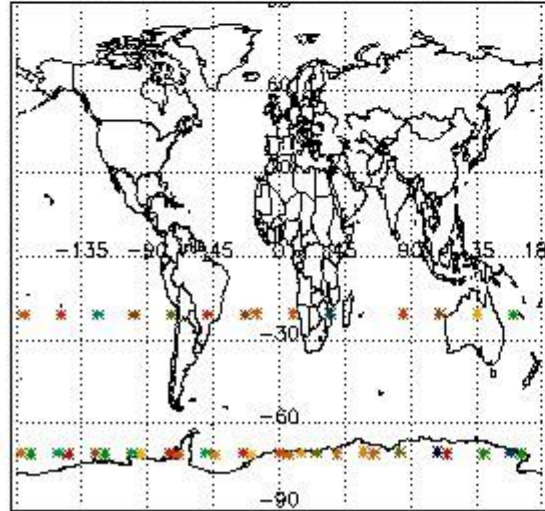
Percentage of flagged data per O3 profile



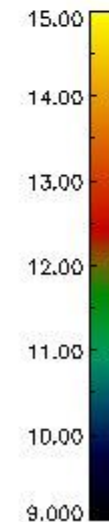
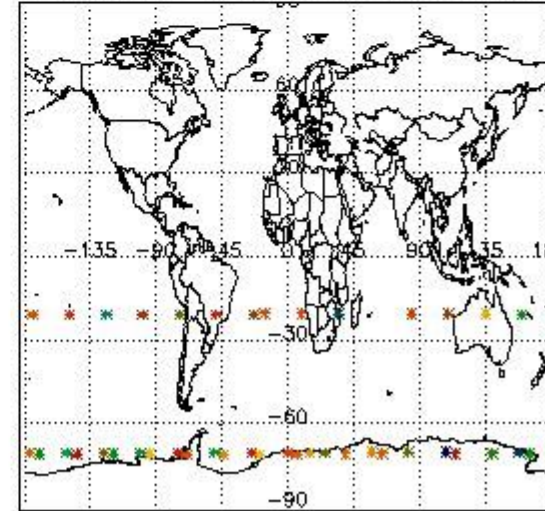
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile



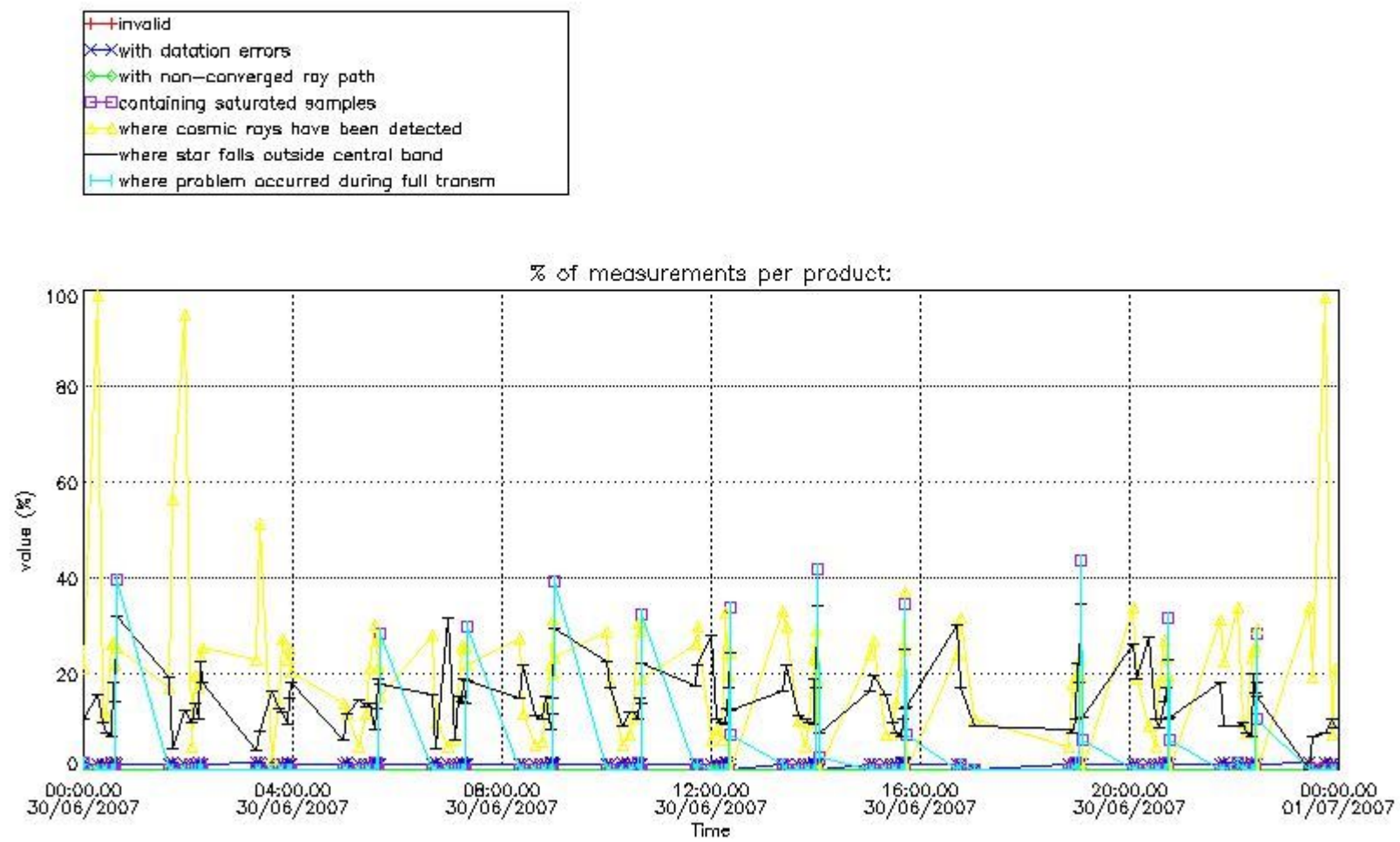
#### 4. Level 1 quality information per product

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

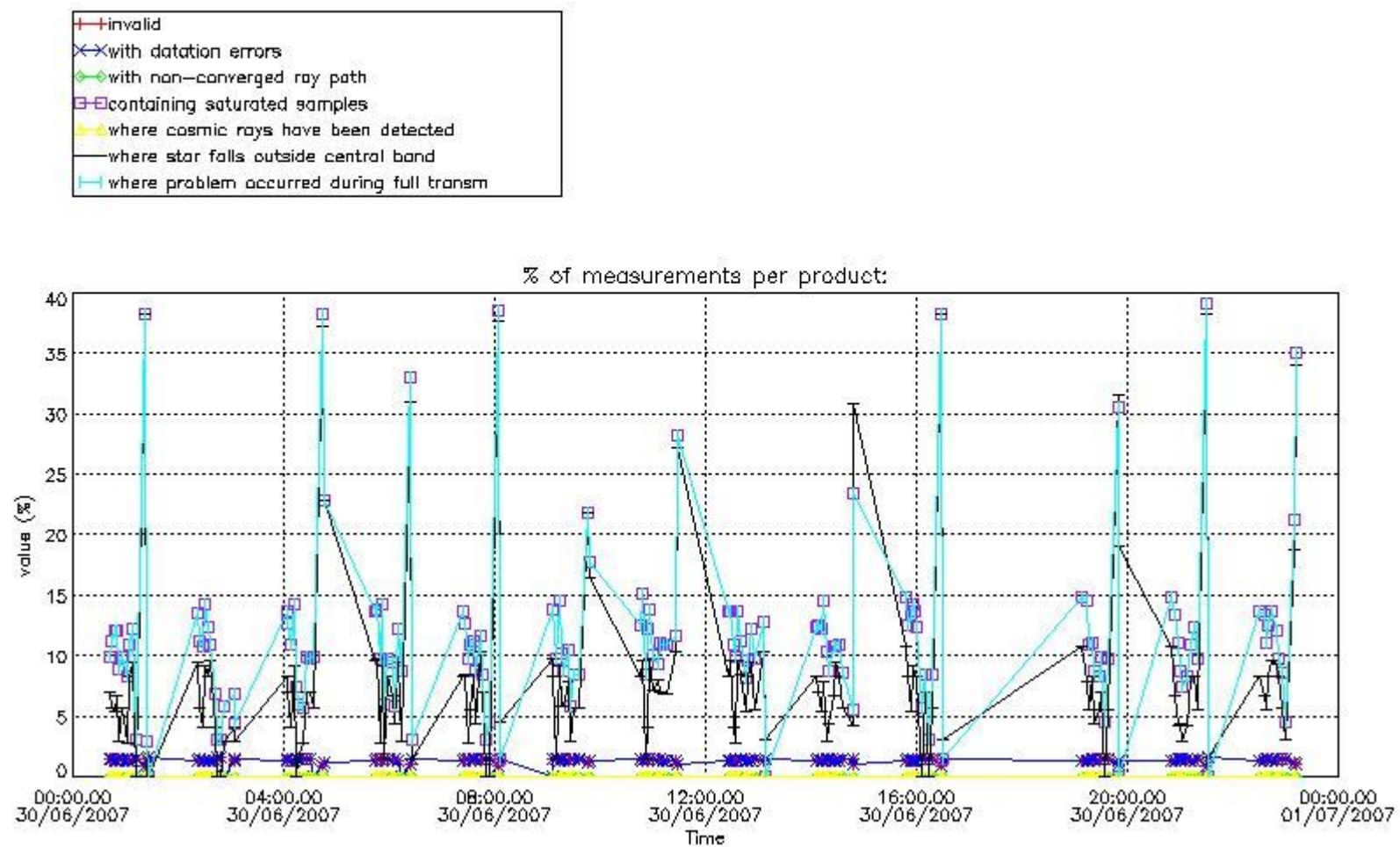
##### 4.1 Plot quality information per product (time dependant) coming from level 1b processing

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





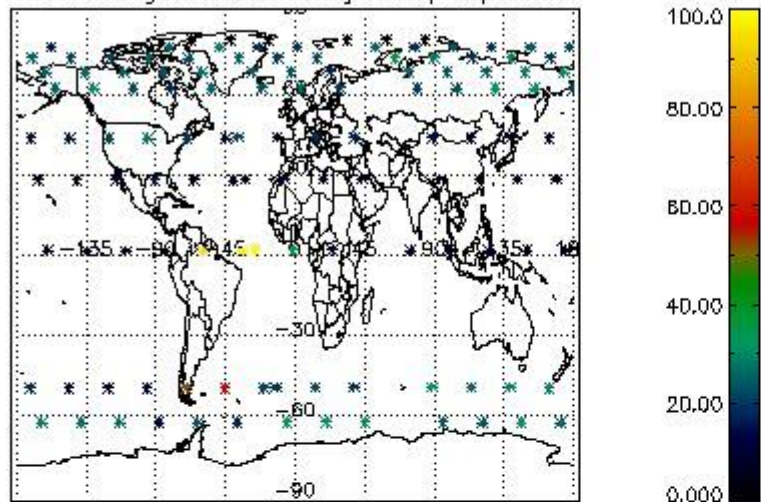
4.1.2 Plot level 1 quality information per product (time dependant): ENVISAT DESCENDING passes



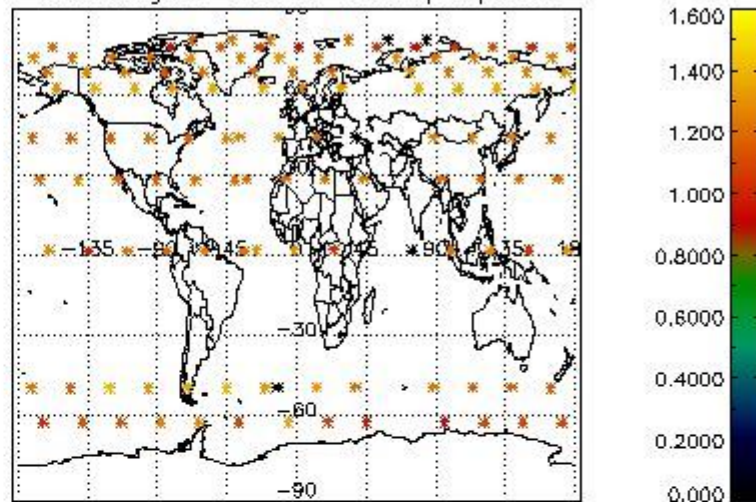
4.2 Plot quality information per product coming from level 1b processing (world map)

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

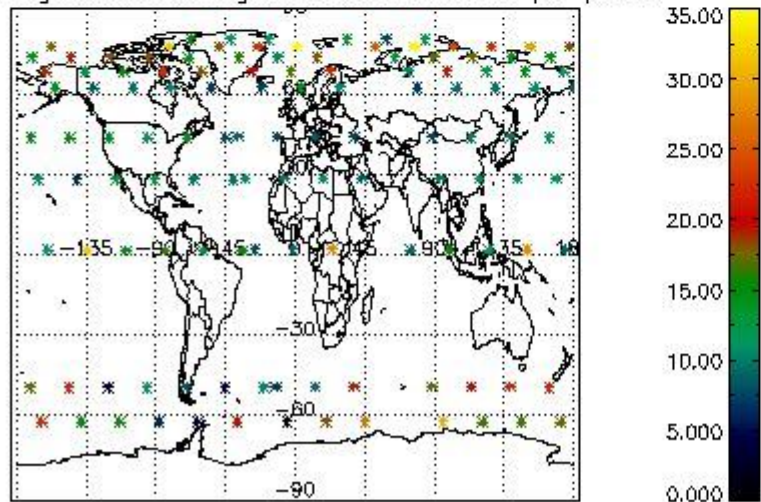
Percentage of cosmic ray hits per profile



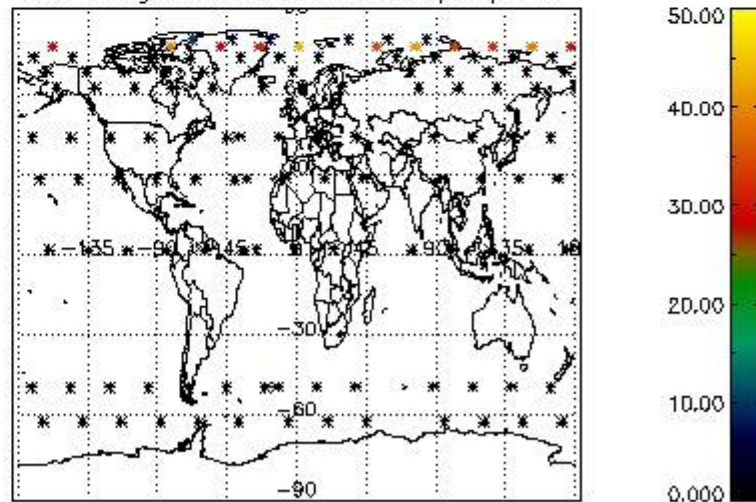
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

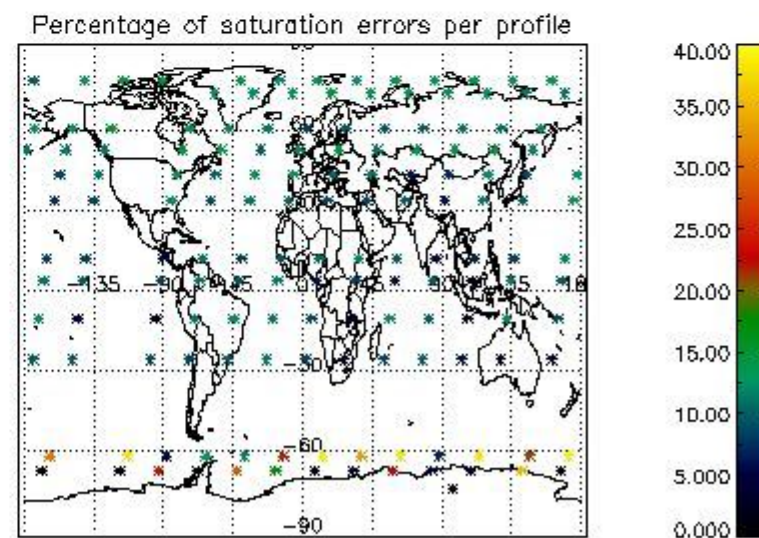
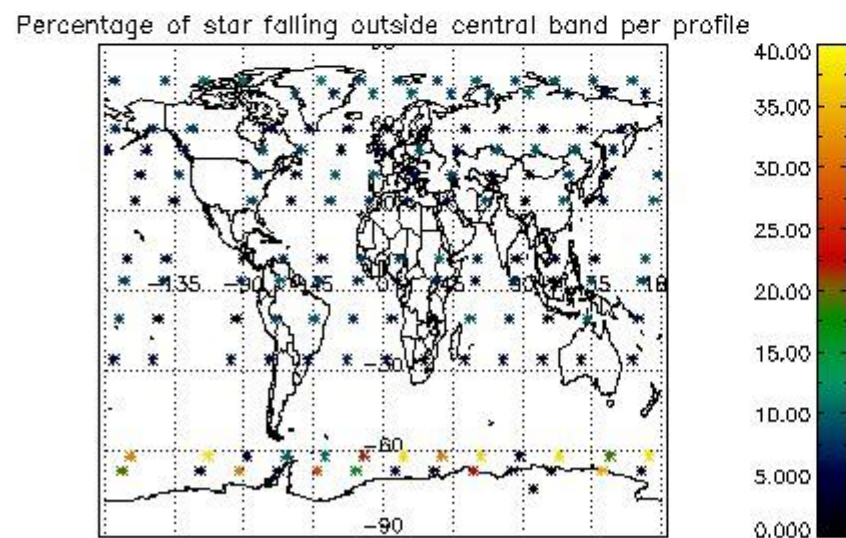
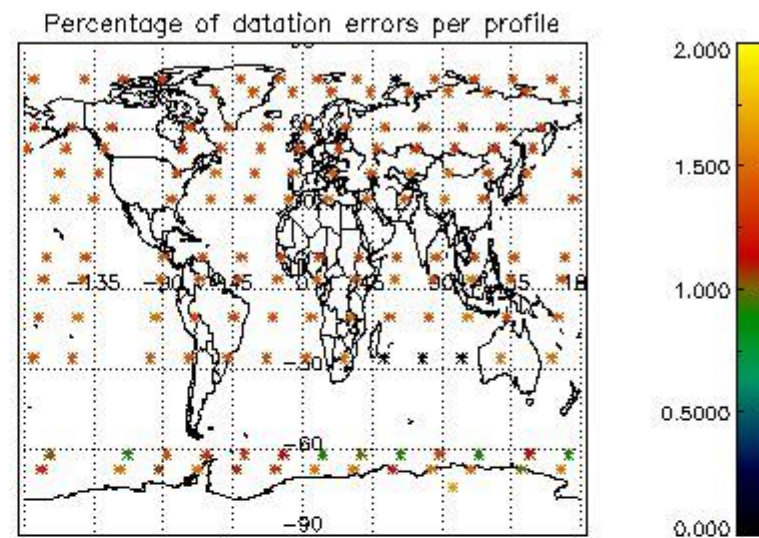
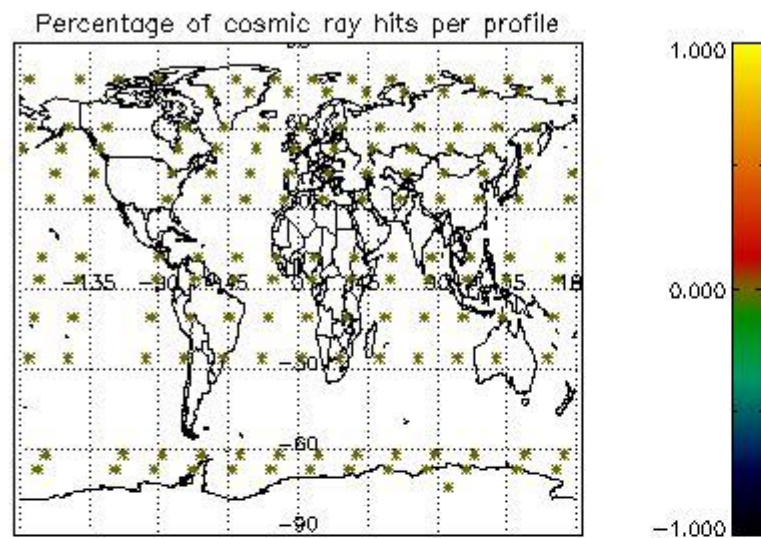


Percentage of saturation errors per profile



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





## 5. Trace gas profiles

### 5.1 Ozone statistics based on quality of products

The final quality of the products can be "measured" using the STD (Standard Deviation) attached to every point profile. This information is written to the parameter GOM\_NL\_\_2P/NL\_LOCAL\_SPECIES\_DENSITY/o3\_std of the level 2 products. The table below shows the statistics for given STD ranges.

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

- Products without fatal errors: GOM\_NL\_\_2P/MPH/PRODUCT\_ERR=0
- Valid point profile: GOM\_NL\_\_2P/NL\_LOCAL\_SPECIES\_DENSITY/pcd(0)=0

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

- Products in dark limb illumination condition: GOM\_NL\_\_2P/NL\_SUMMARY\_QUALITY/obs\_ill\_cond=0
- Products without fatal errors: GOM\_NL\_\_2P/MPH/PRODUCT\_ERR=0
- Valid point profile: GOM\_NL\_\_2P/NL\_LOCAL\_SPECIES\_DENSITY/pcd(0)=0

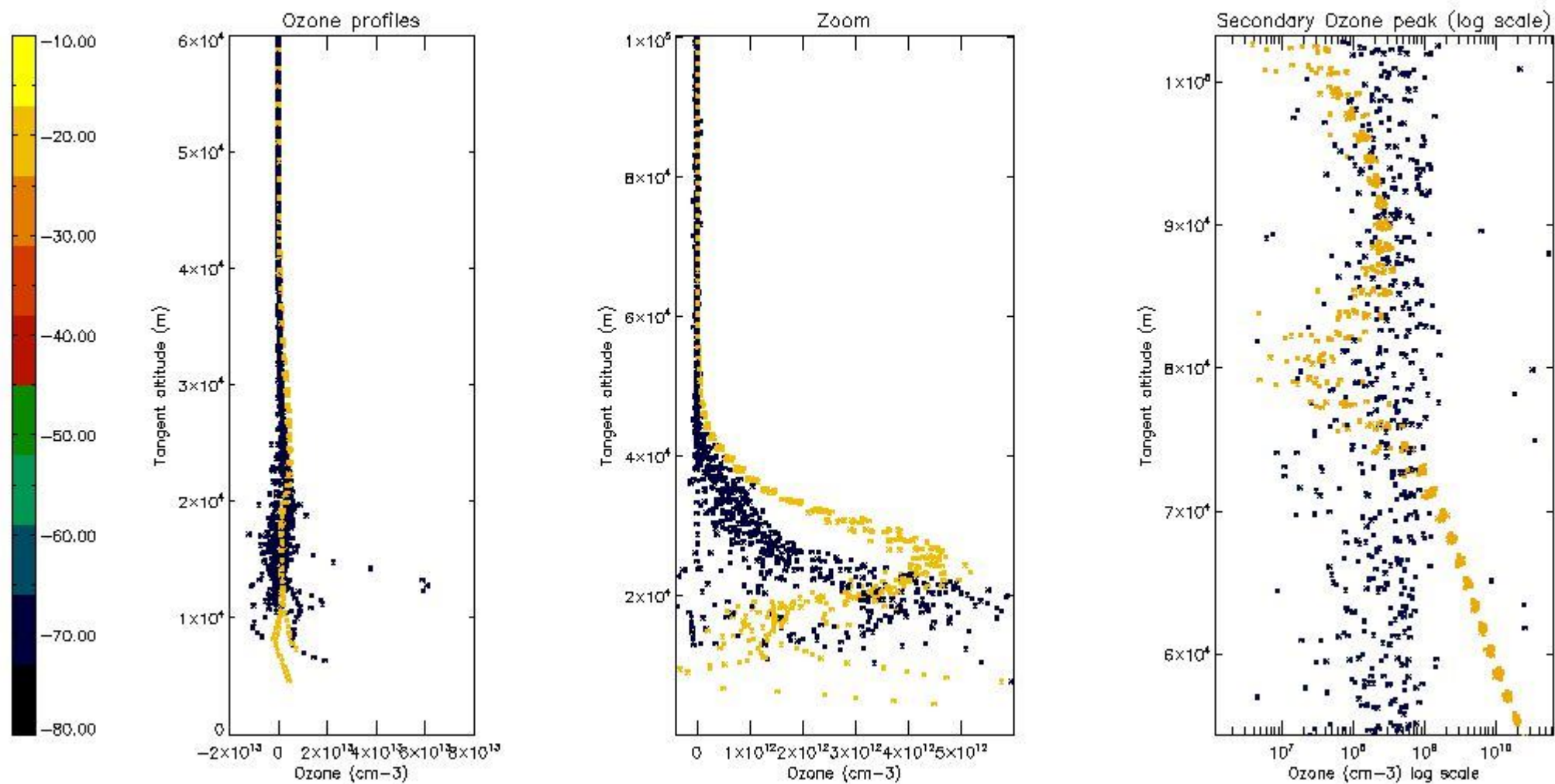
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	17
STD < 20	6

STD < 10	4
STD < 5	3

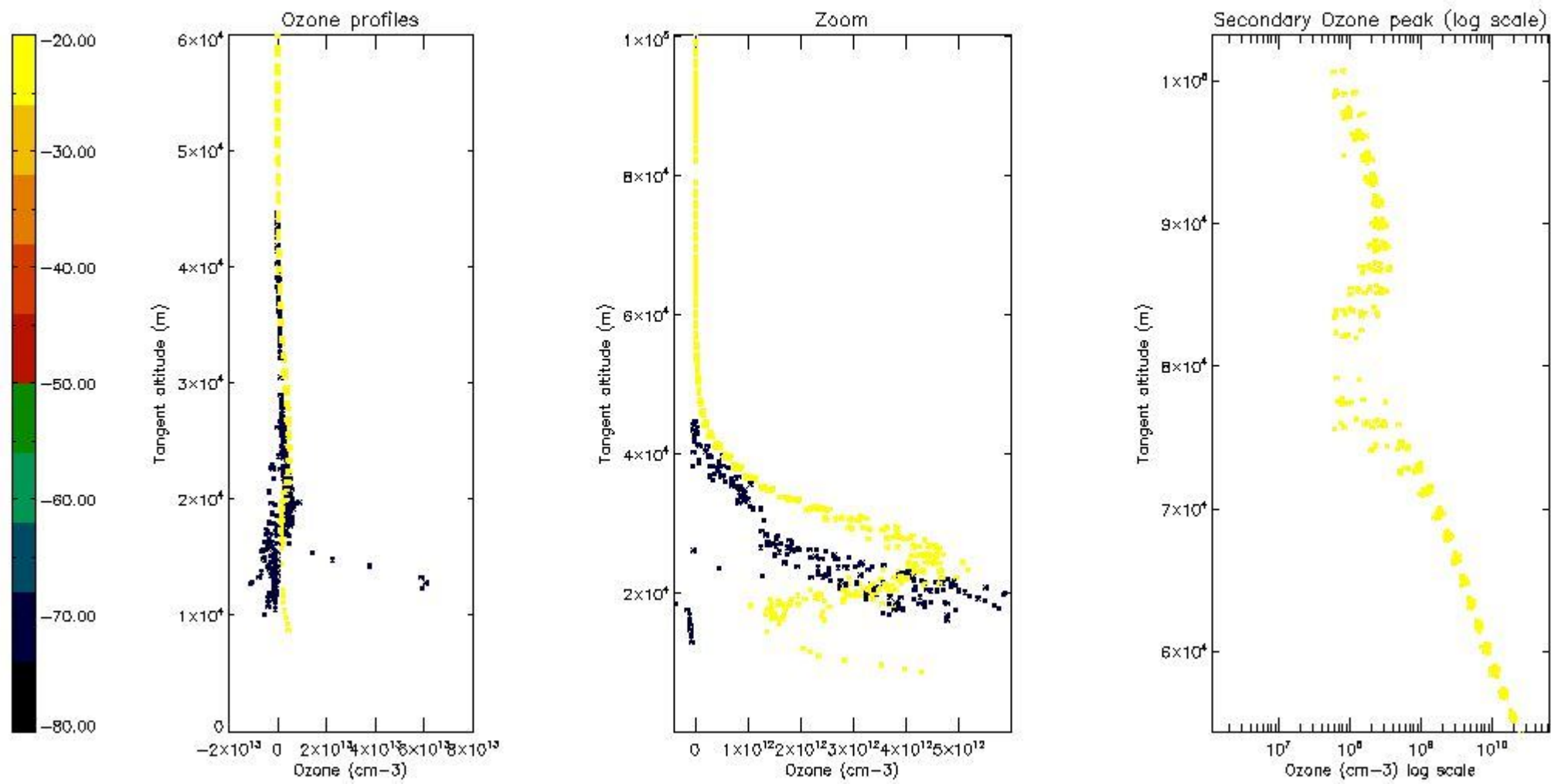
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

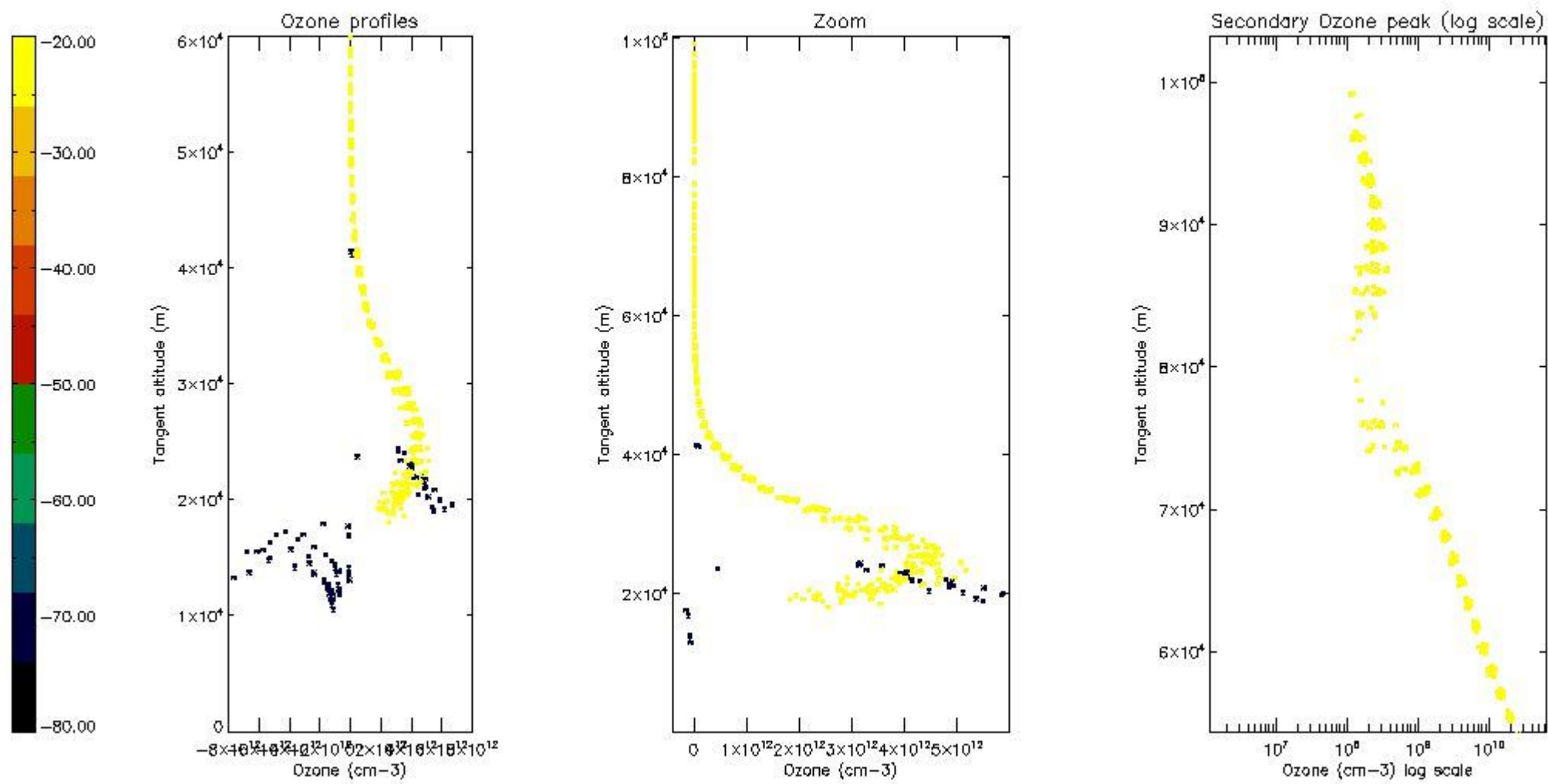
The colorbar represents the latitude.



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

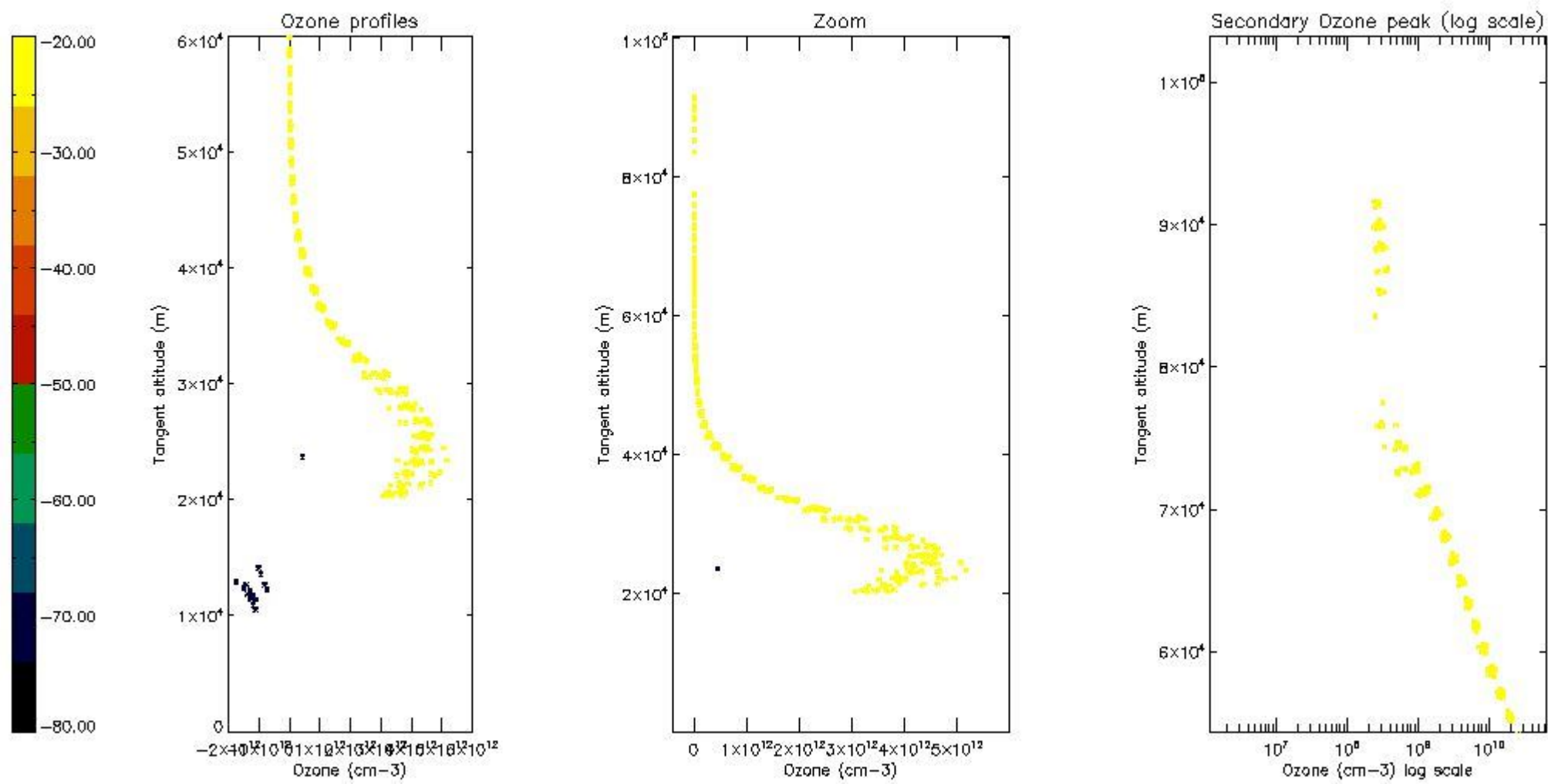
The colorbar represents the latitude.





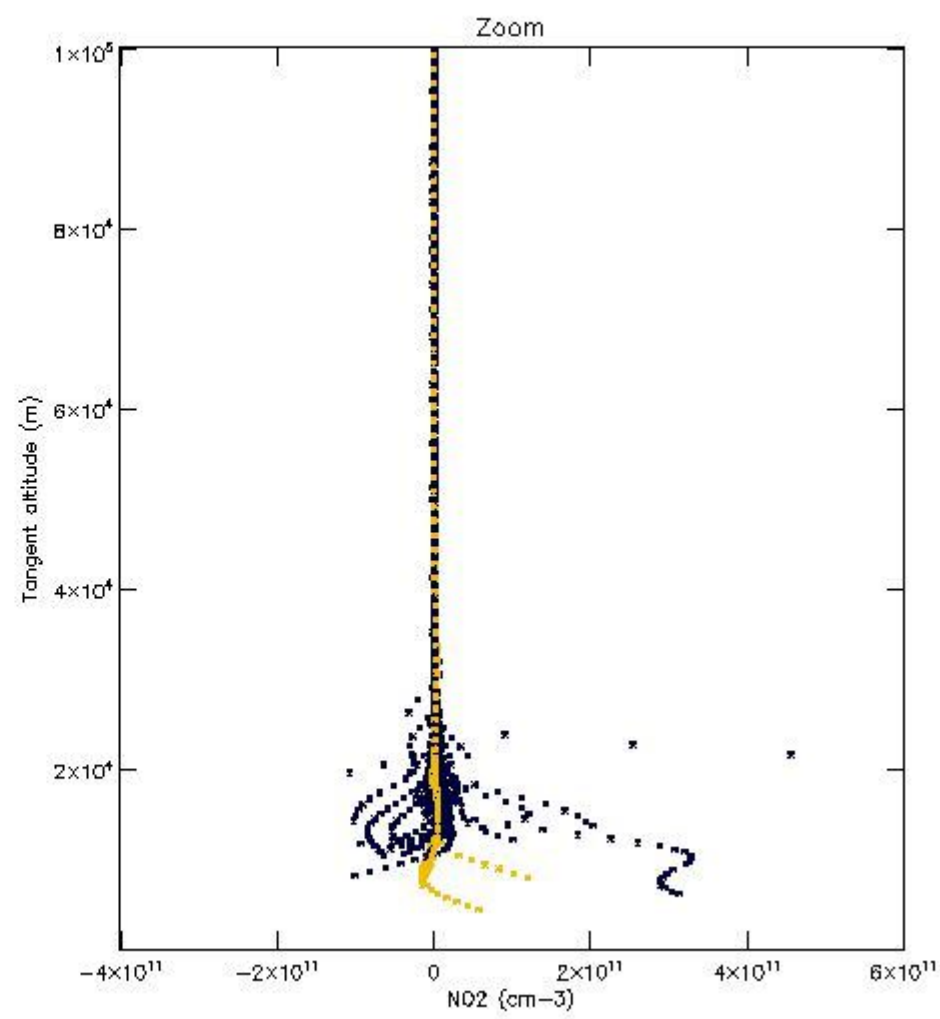
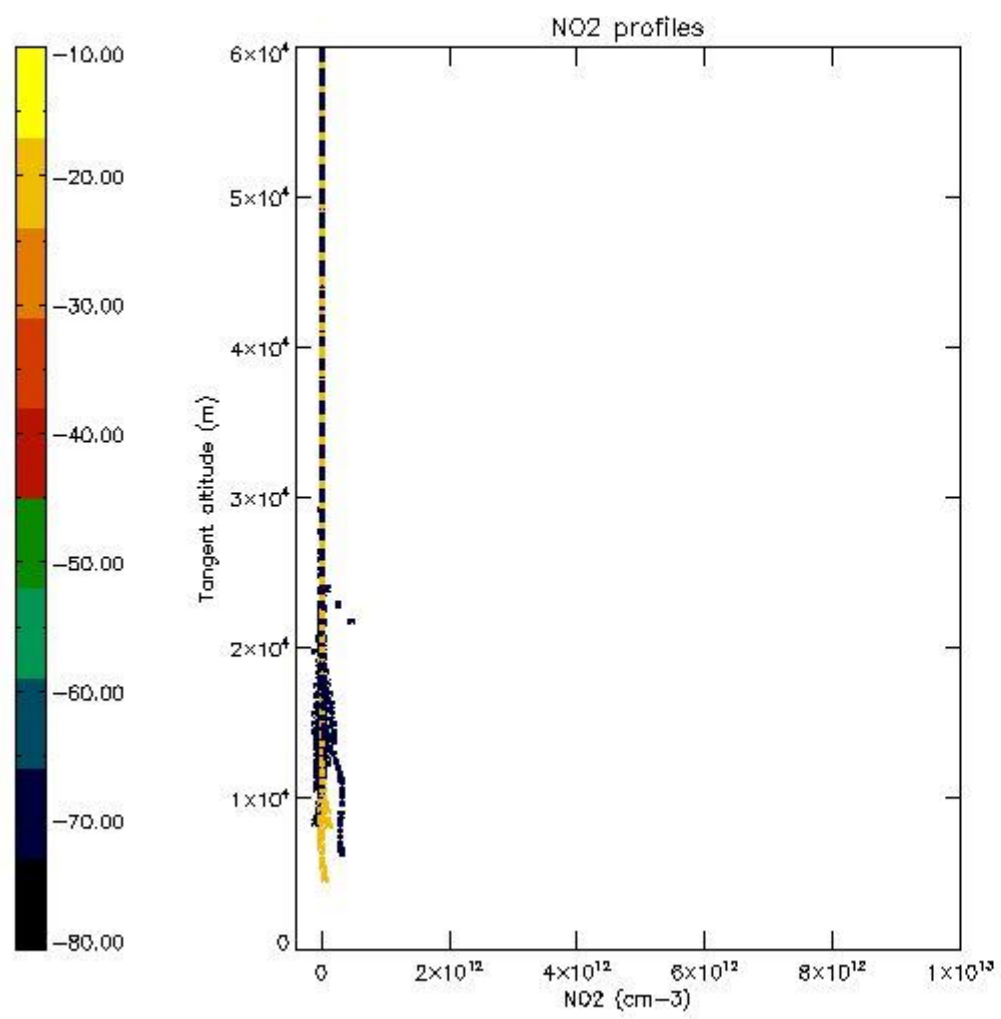
*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

The colorbar represents the latitude.



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

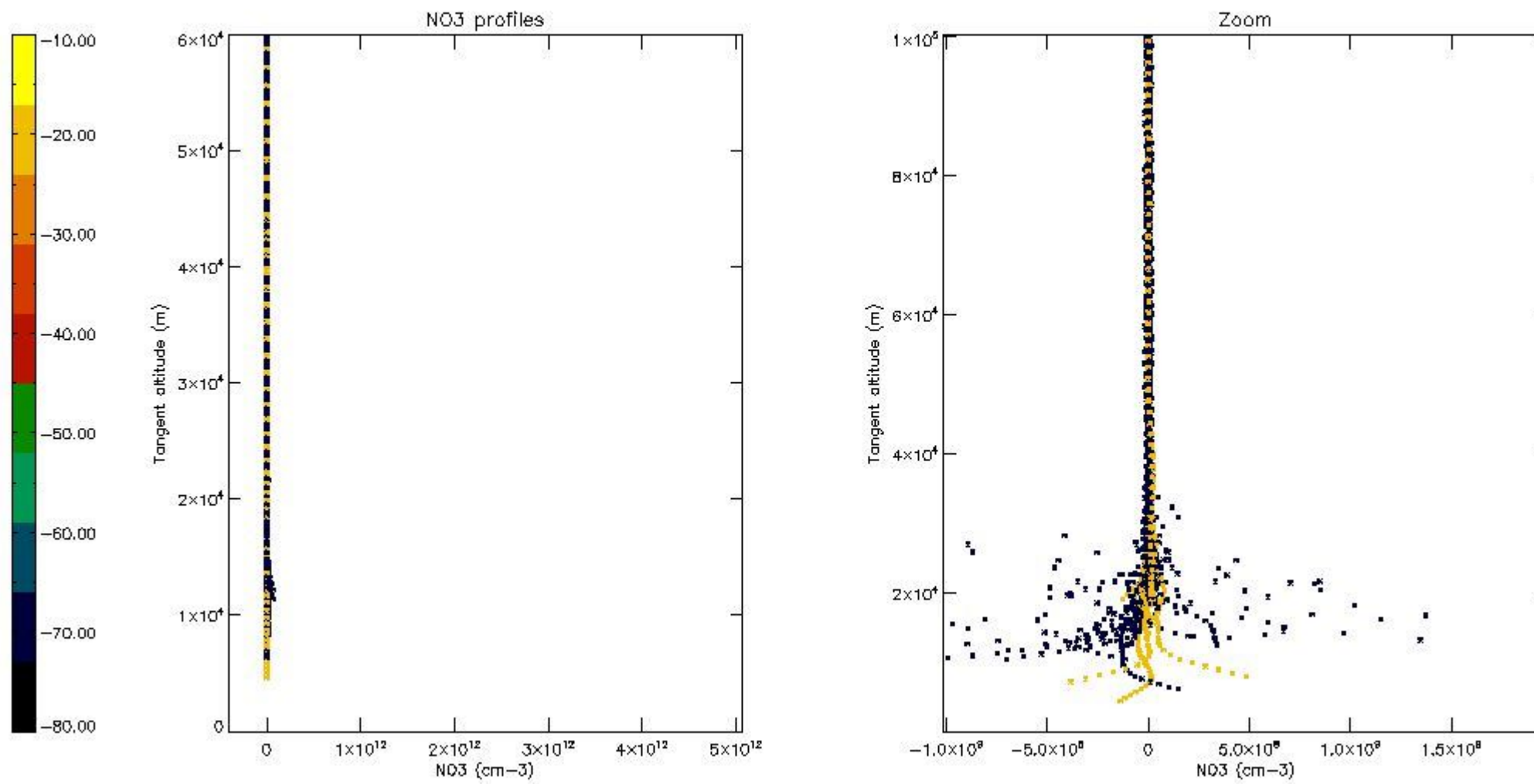
The colorbar represents the latitude.



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

The colorbar represents the latitude.

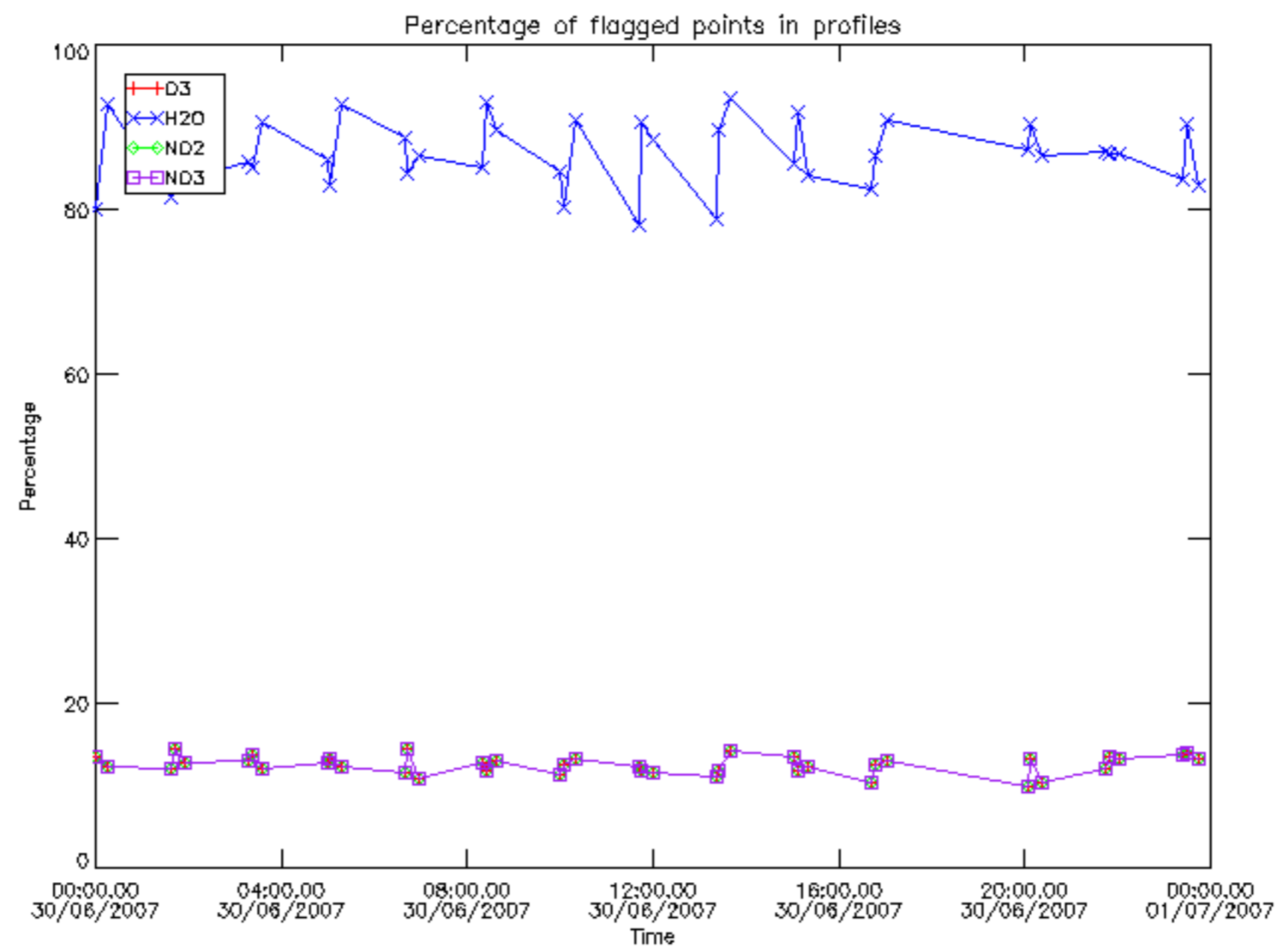




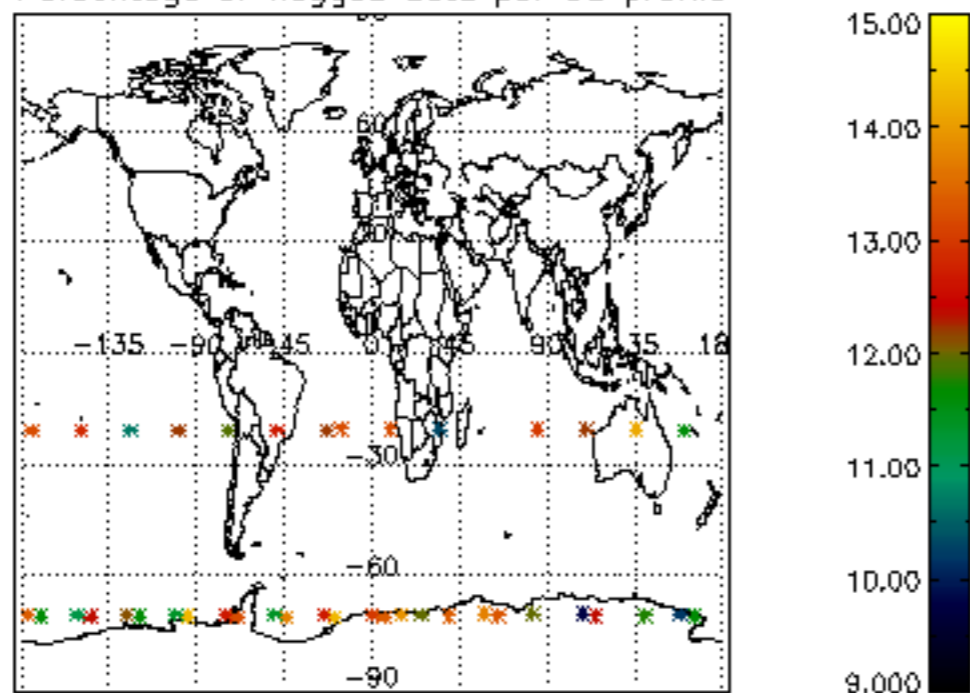
## 6. Auxiliary Data Files used for the production reported in section 2

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.

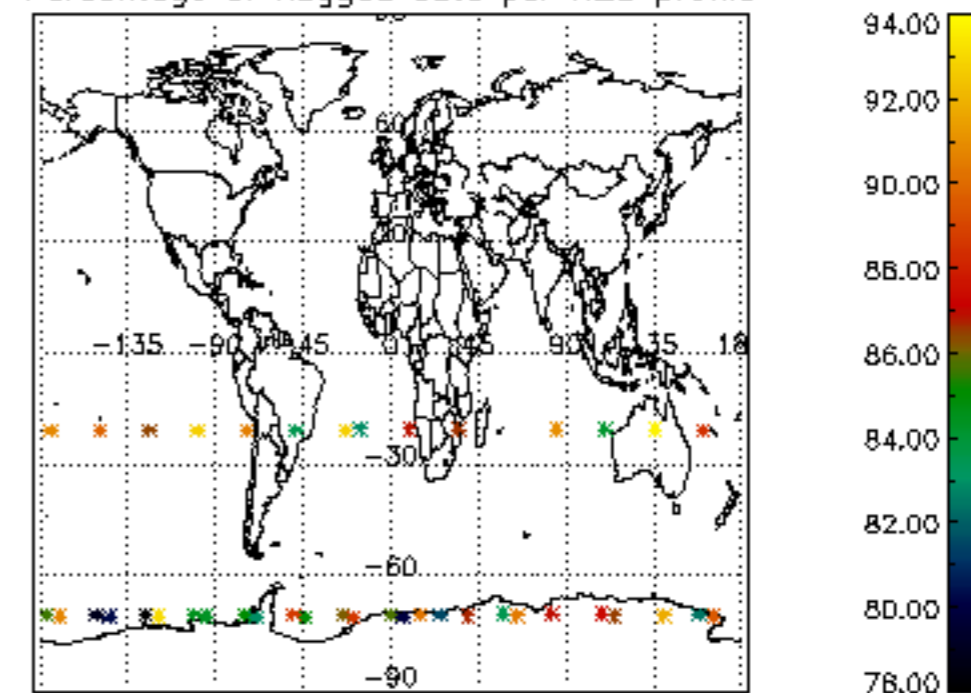
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	30-JUN-2007 00:00:42
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	30-JUN-2007 00:00:42
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	30-JUN-2007 00:00:42



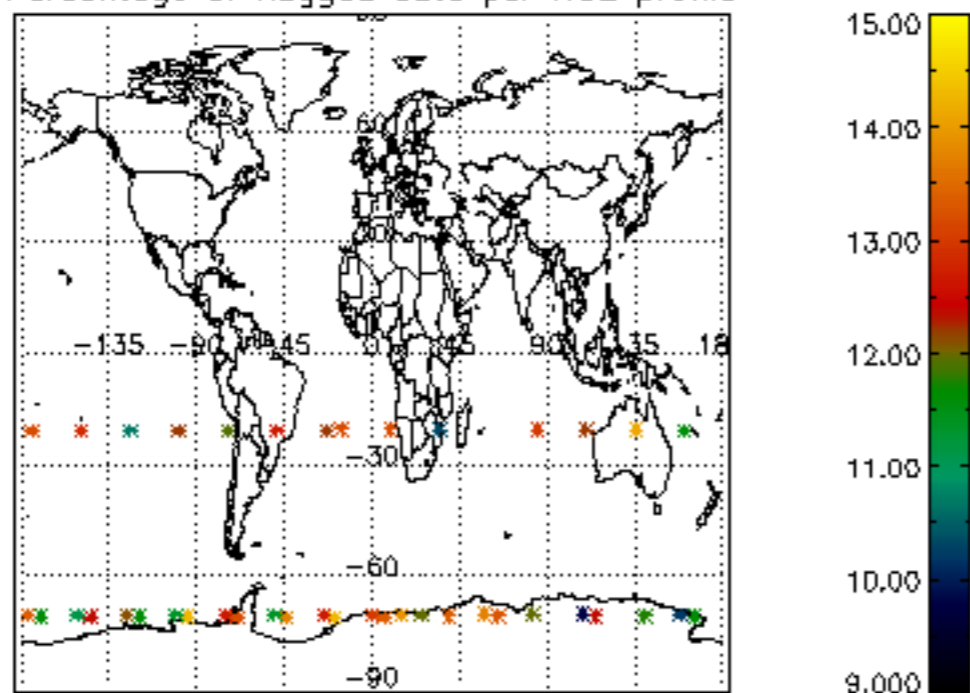
Percentage of flagged data per D3 profile



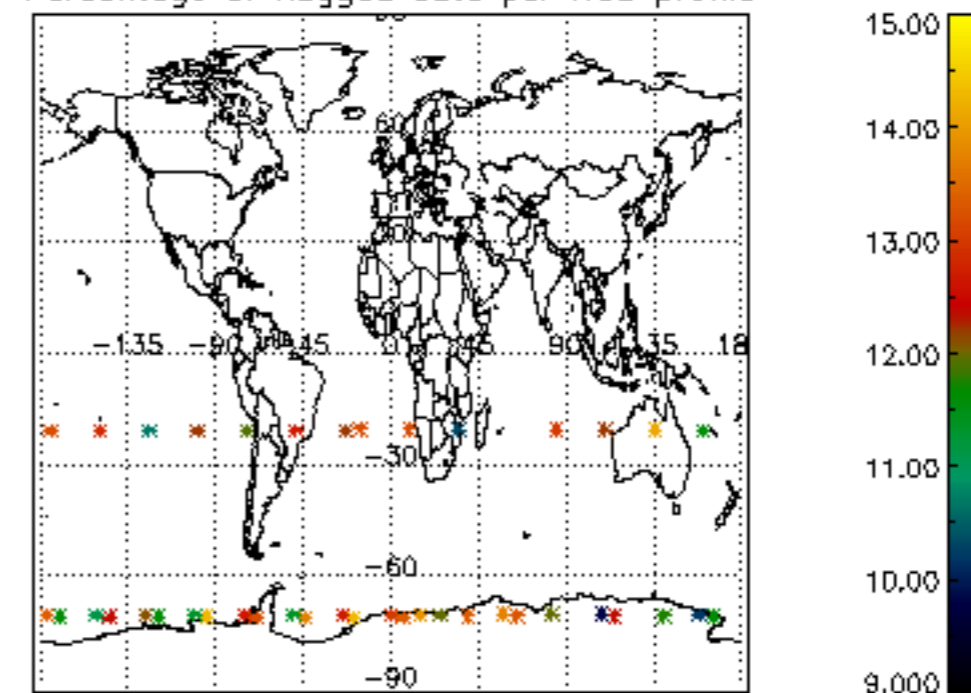
Percentage of flagged data per H2O profile



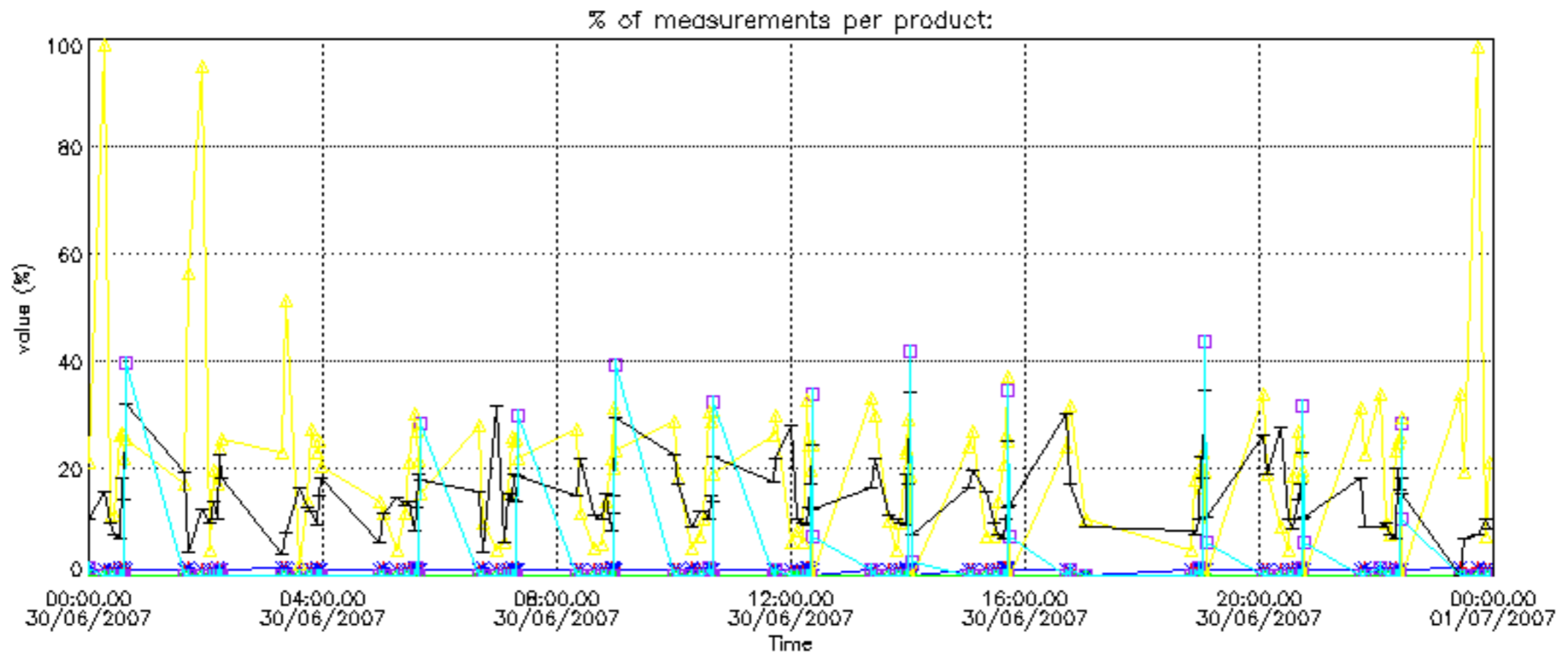
Percentage of flagged data per NO2 profile

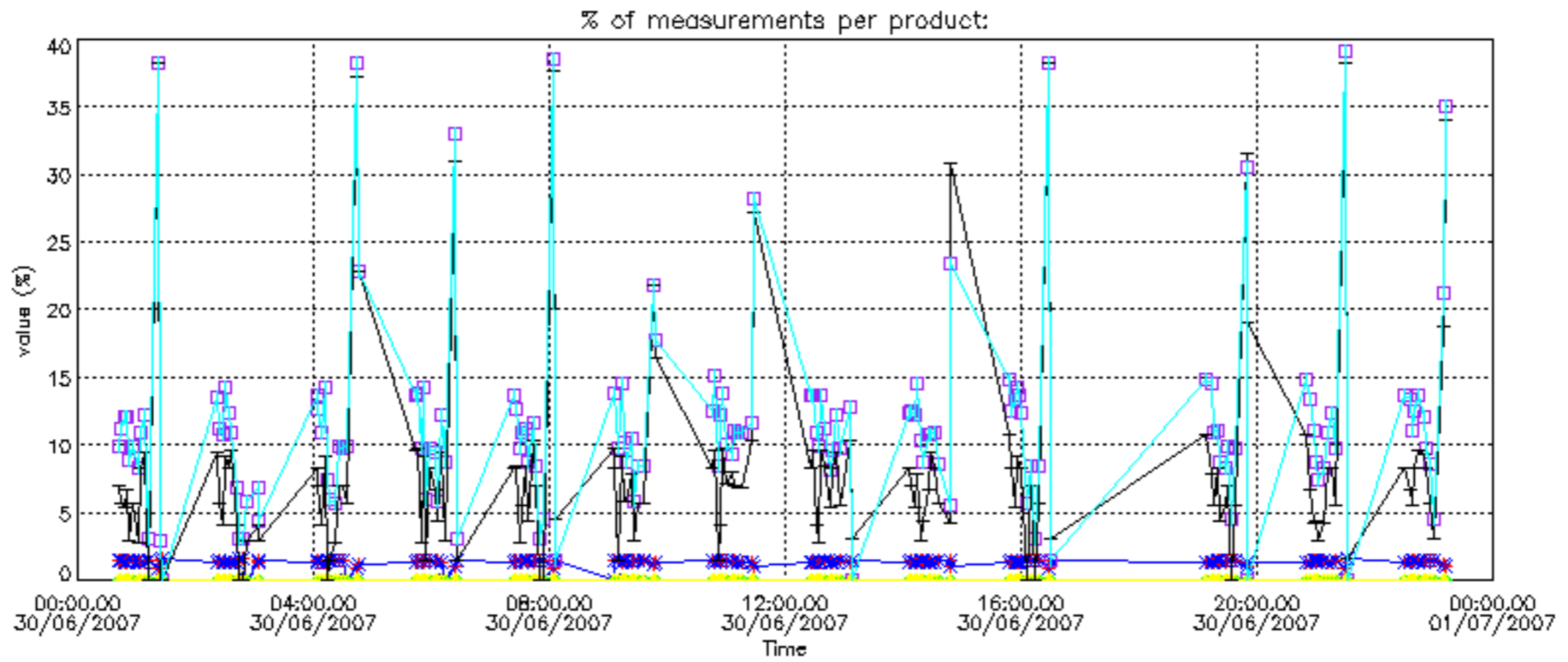


Percentage of flagged data per NO3 profile

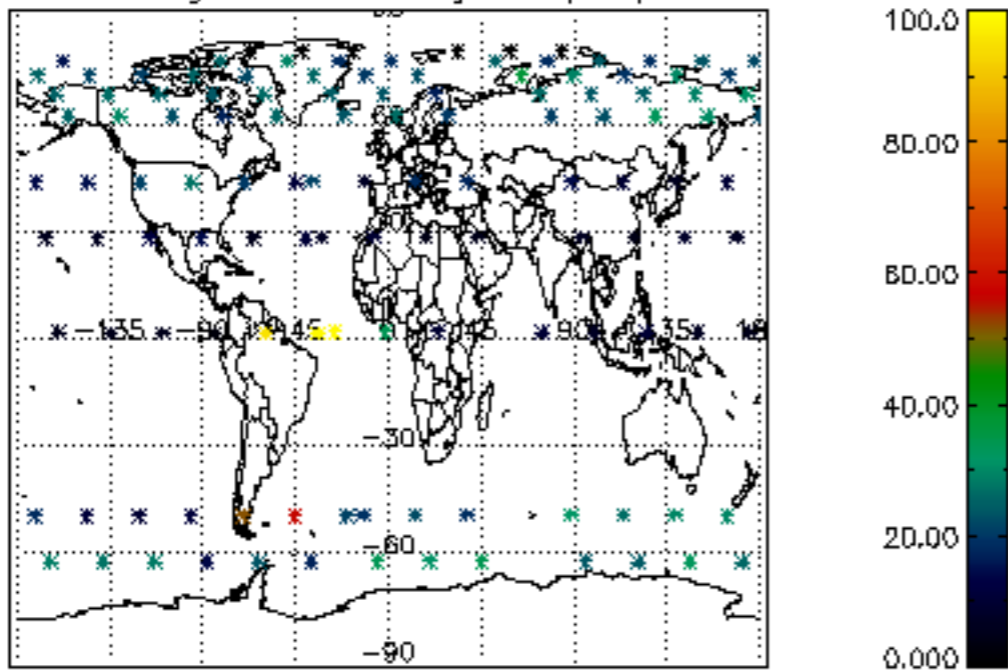




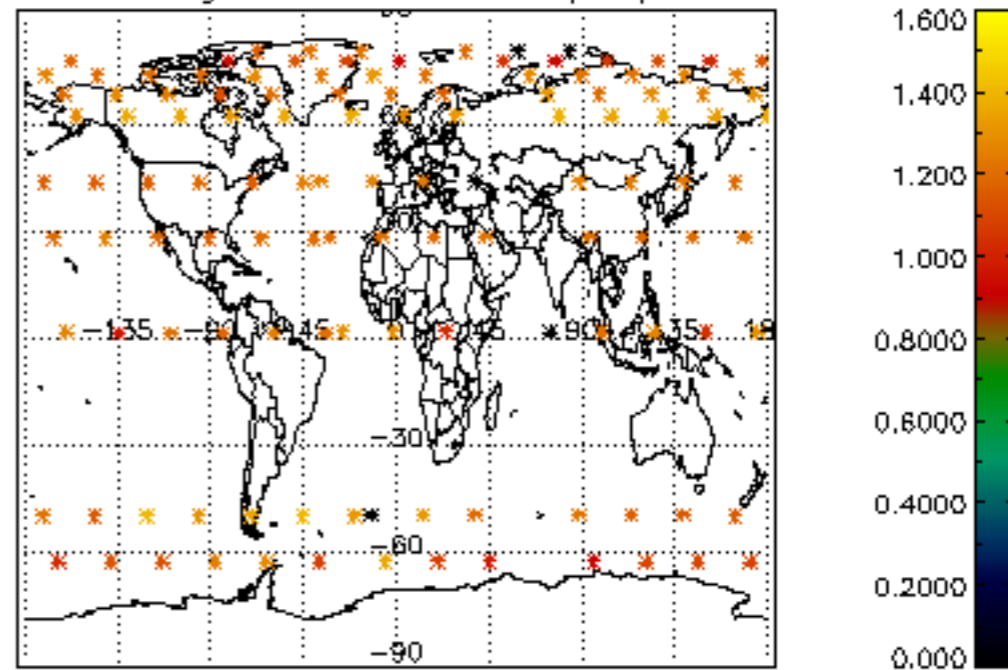




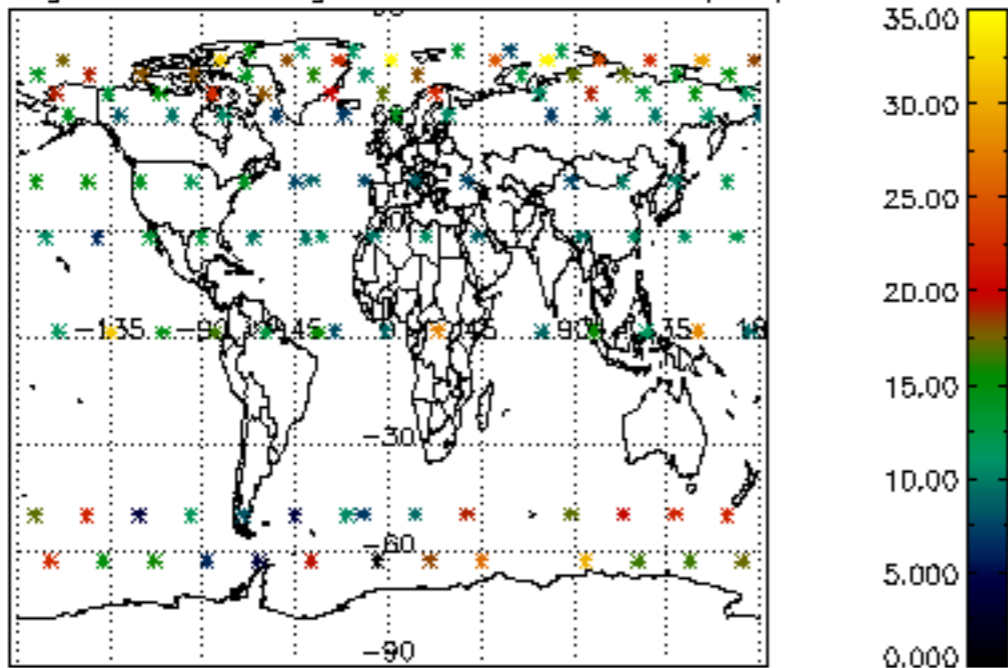
Percentage of cosmic ray hits per profile



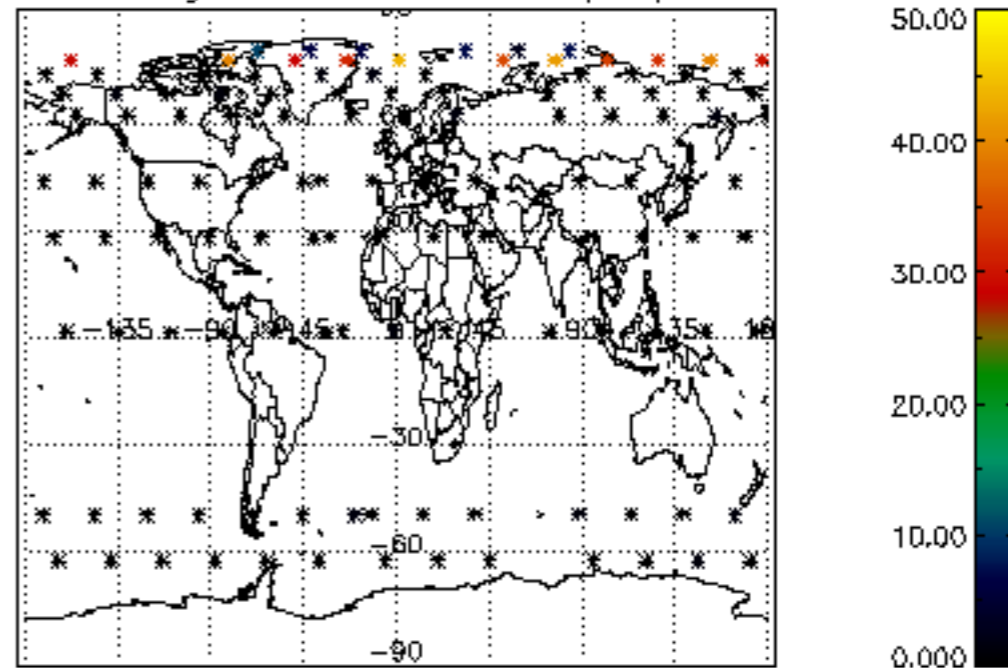
Percentage of datation errors per profile



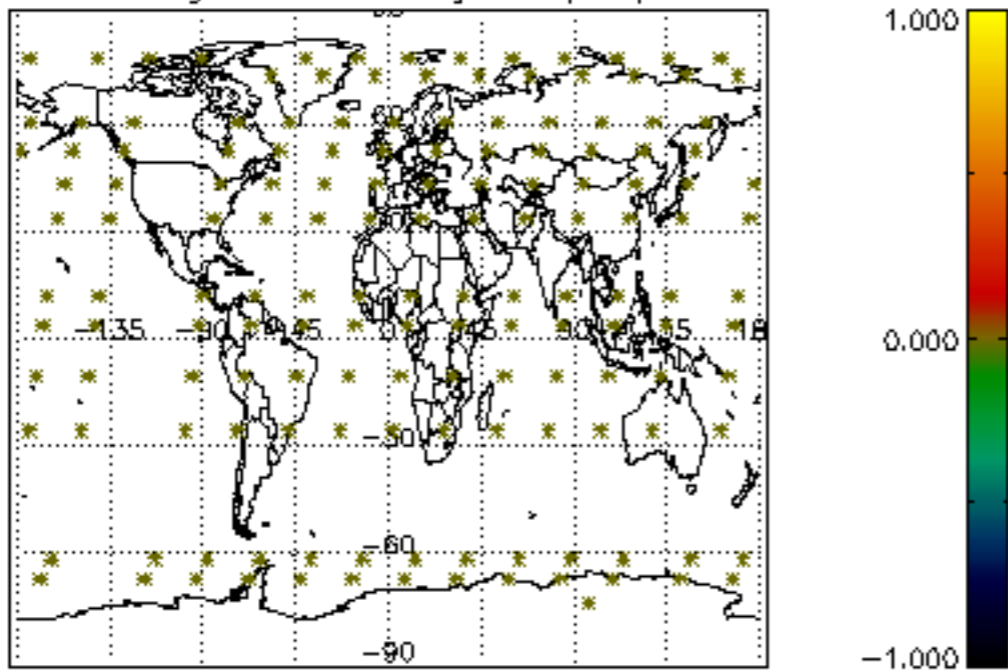
Percentage of star falling outside central band per profile



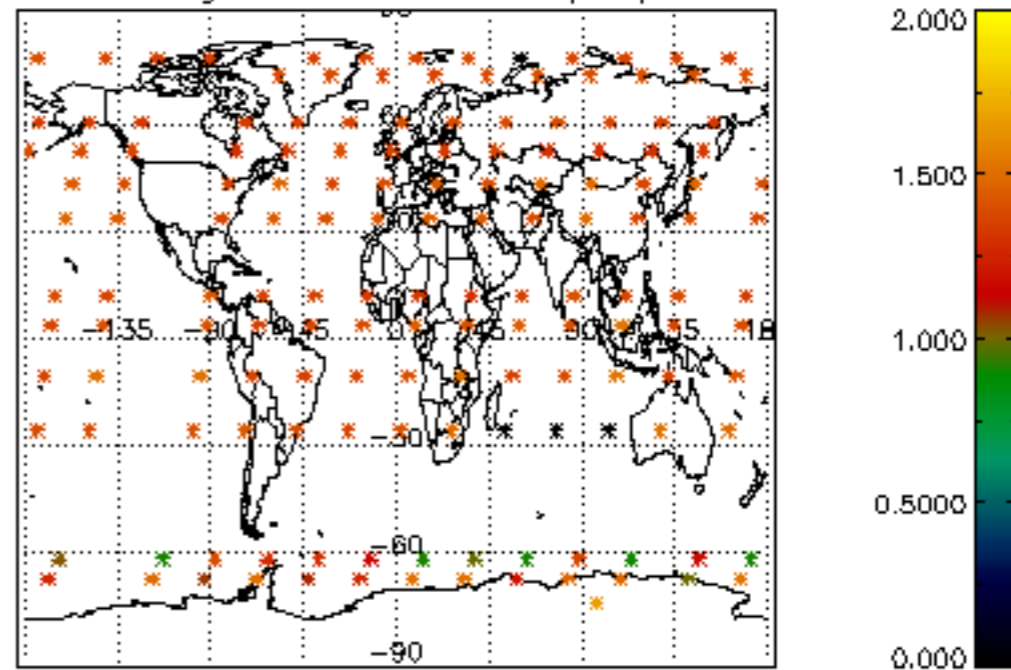
Percentage of saturation errors per profile



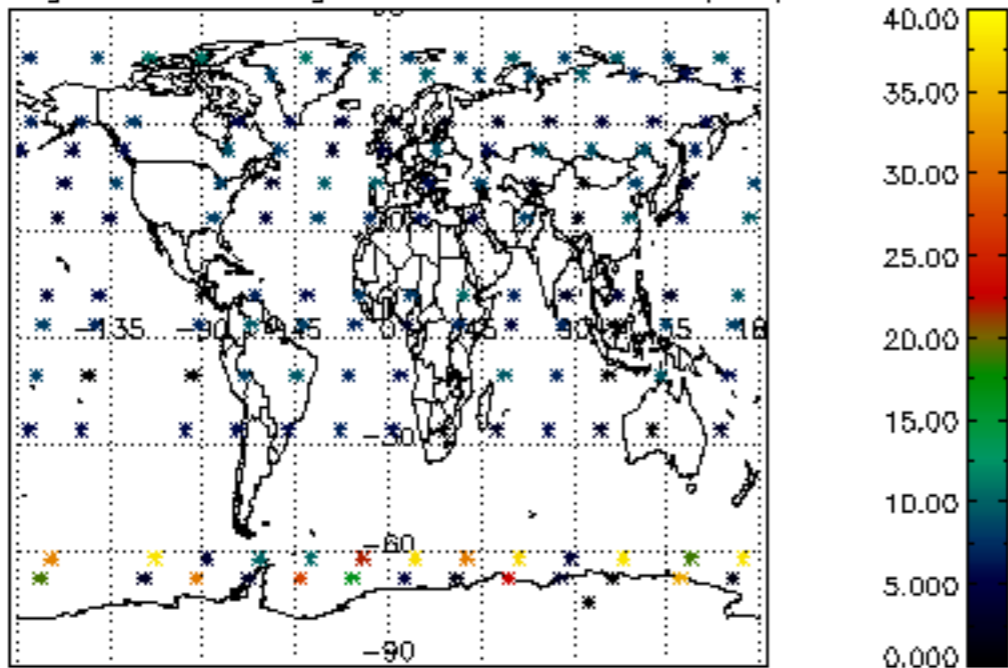
Percentage of cosmic ray hits per profile



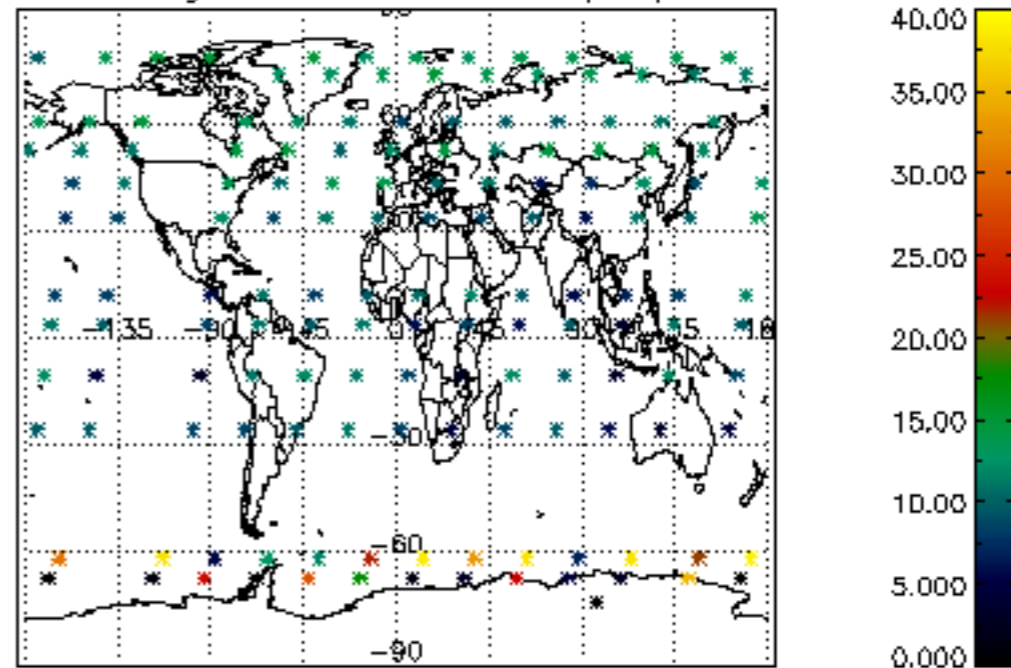
Percentage of datation errors per profile



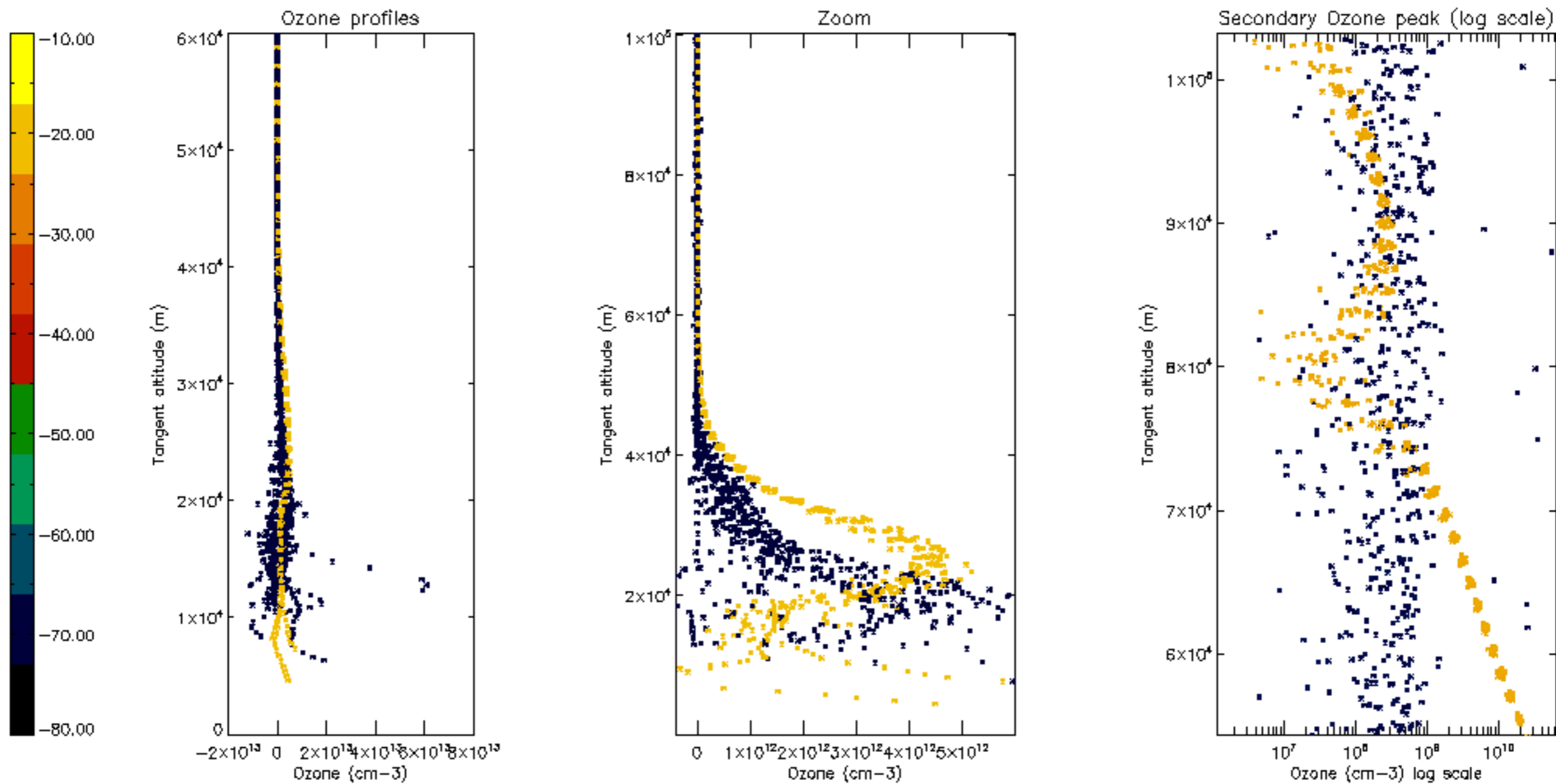
Percentage of star falling outside central band per profile

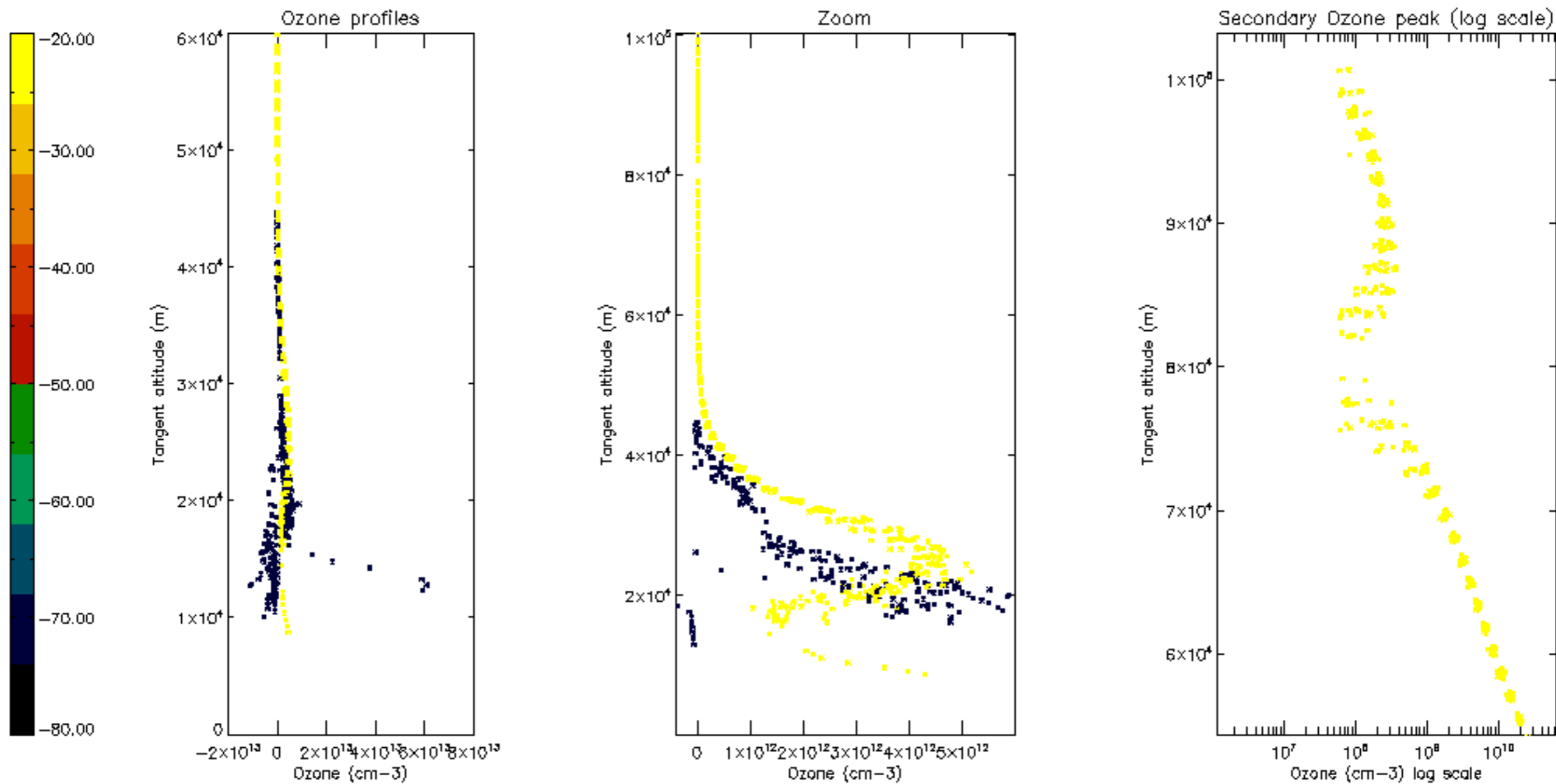


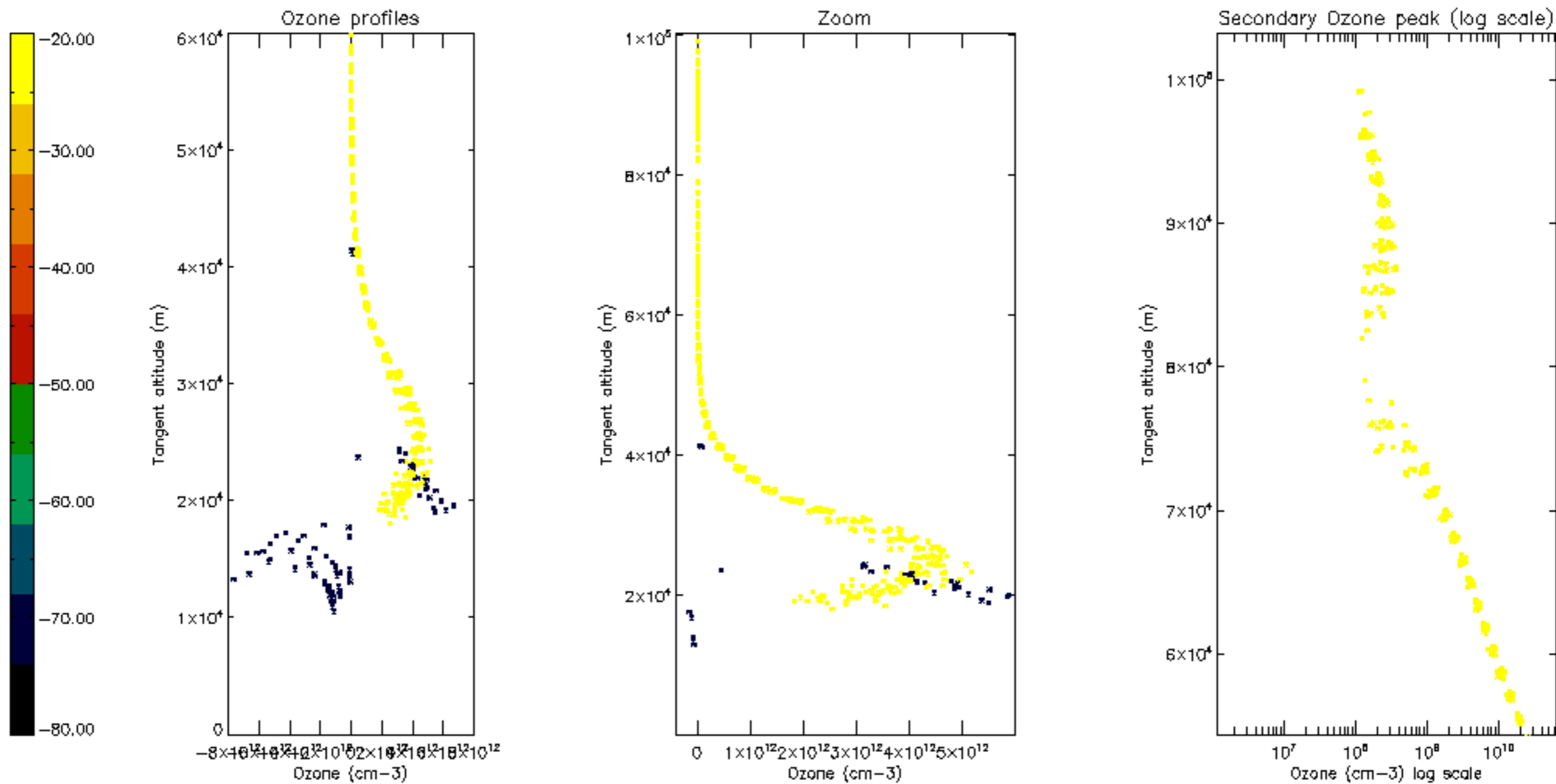
Percentage of saturation errors per profile

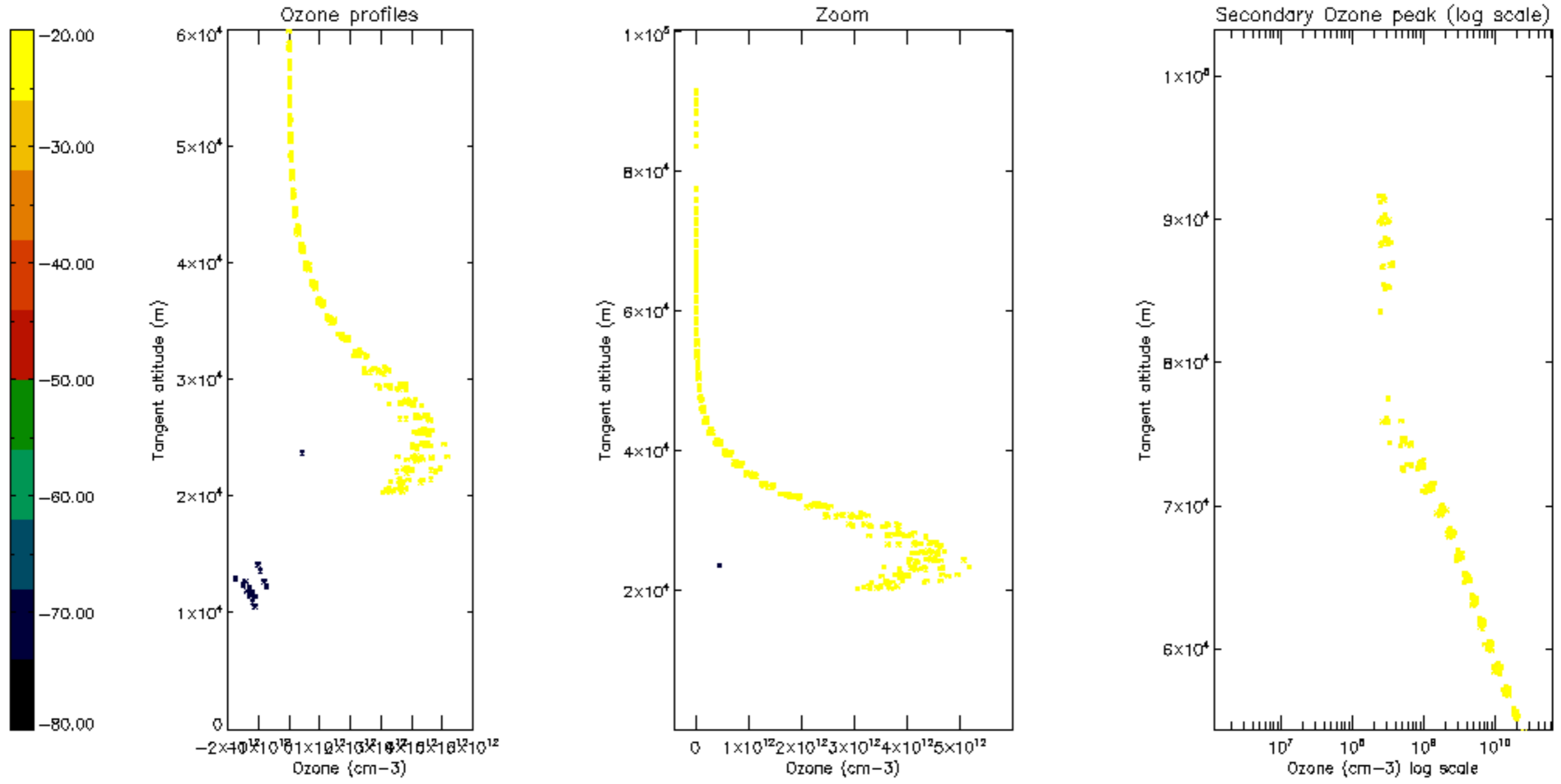




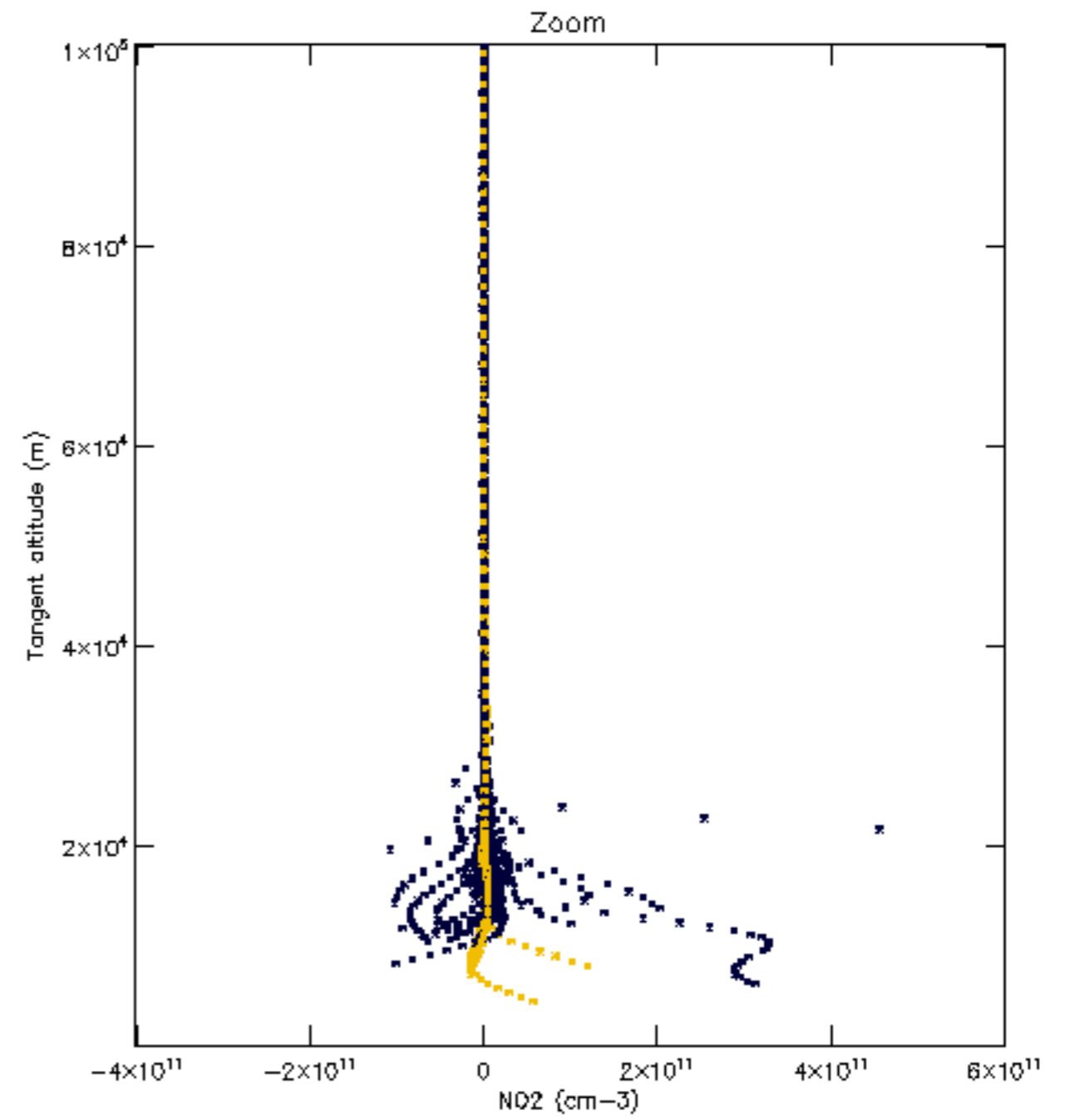
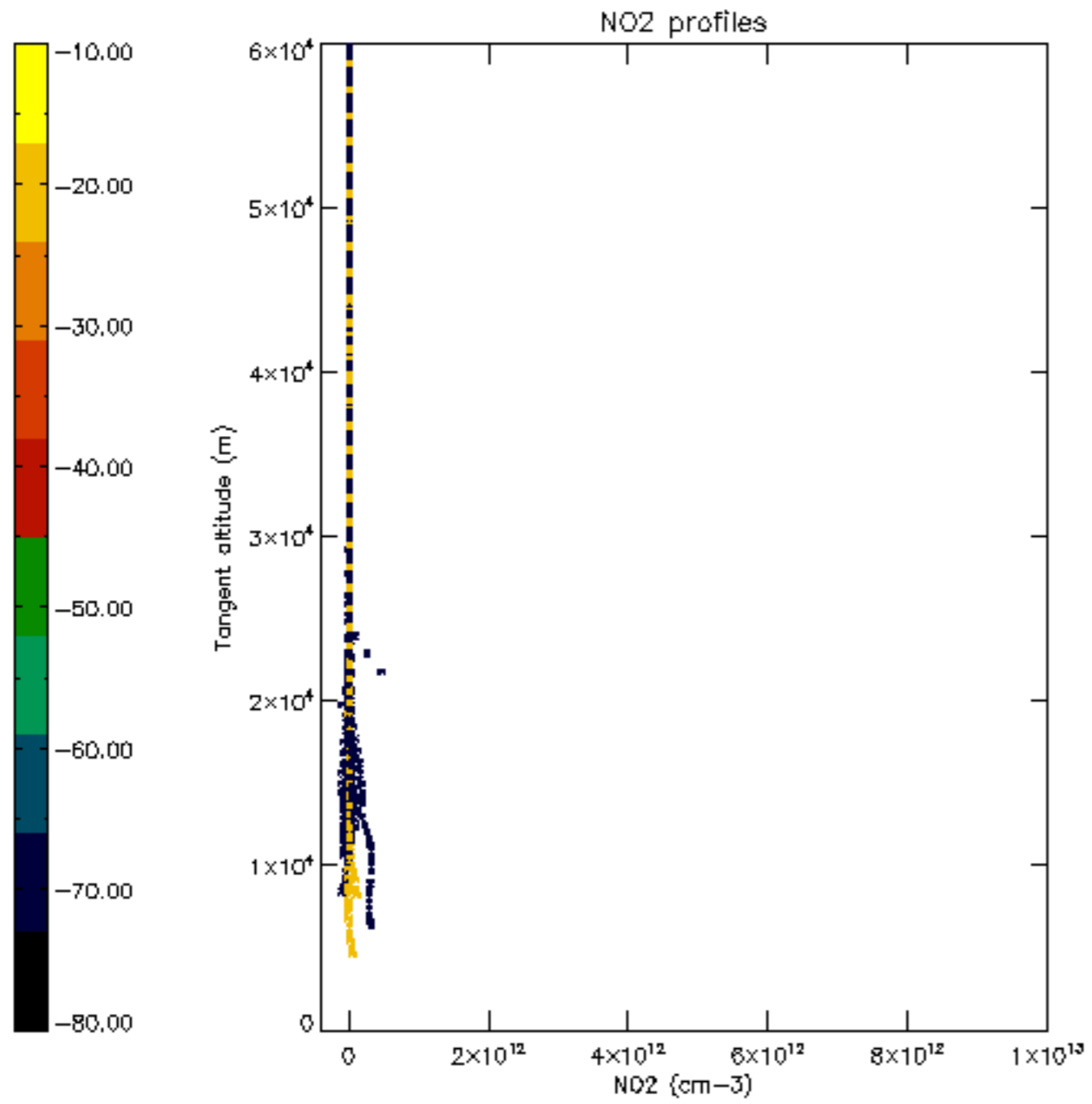


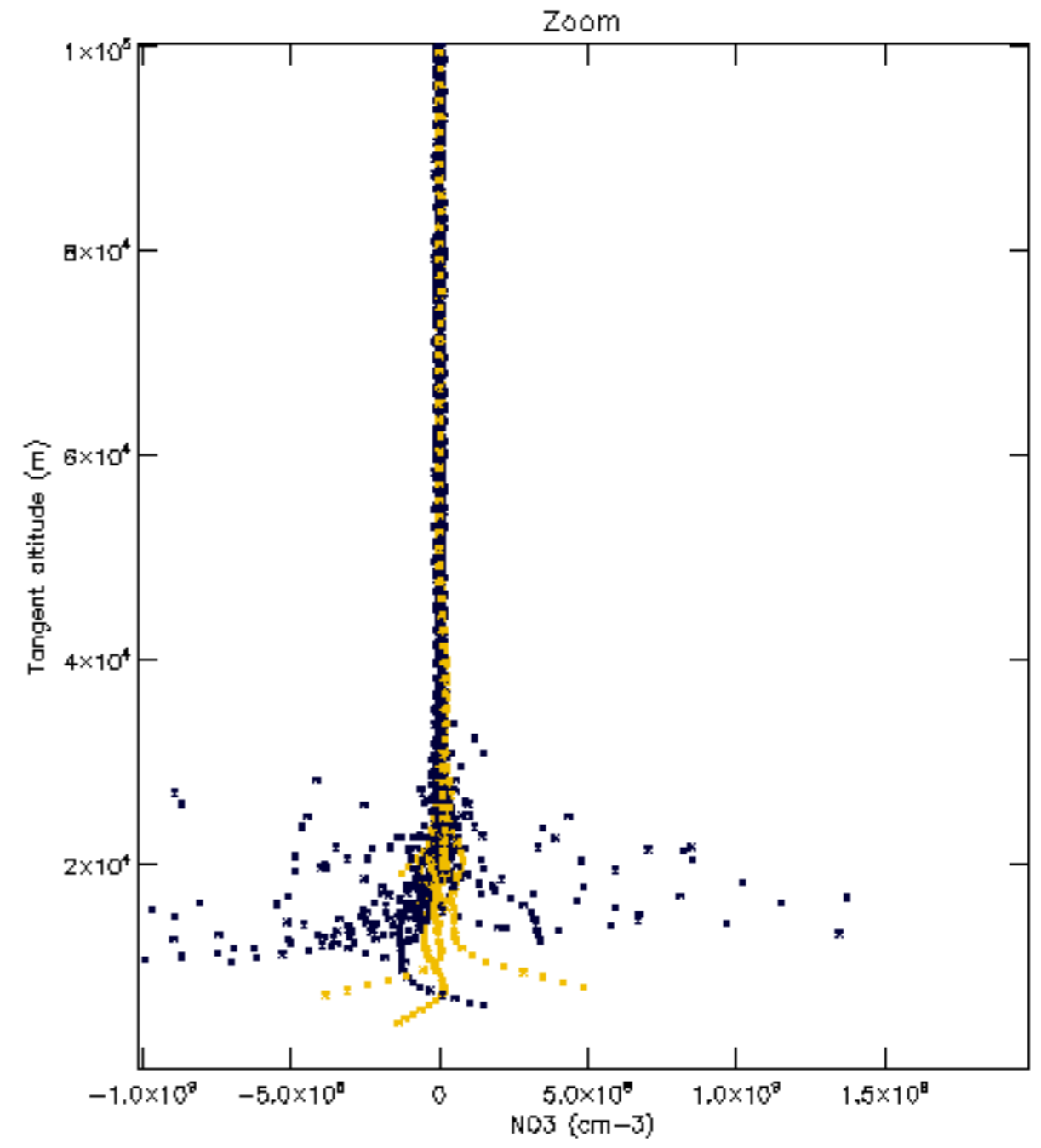
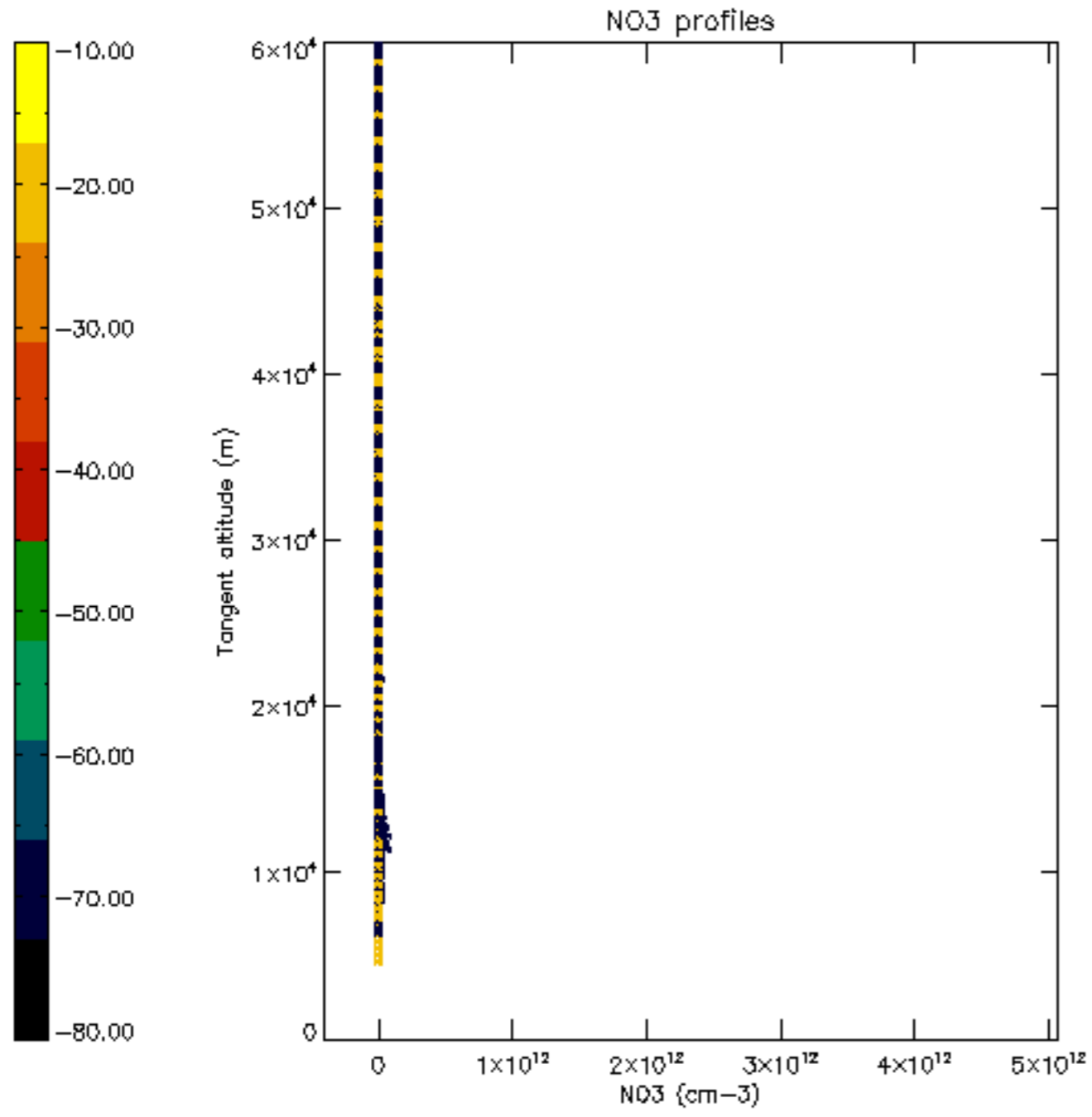


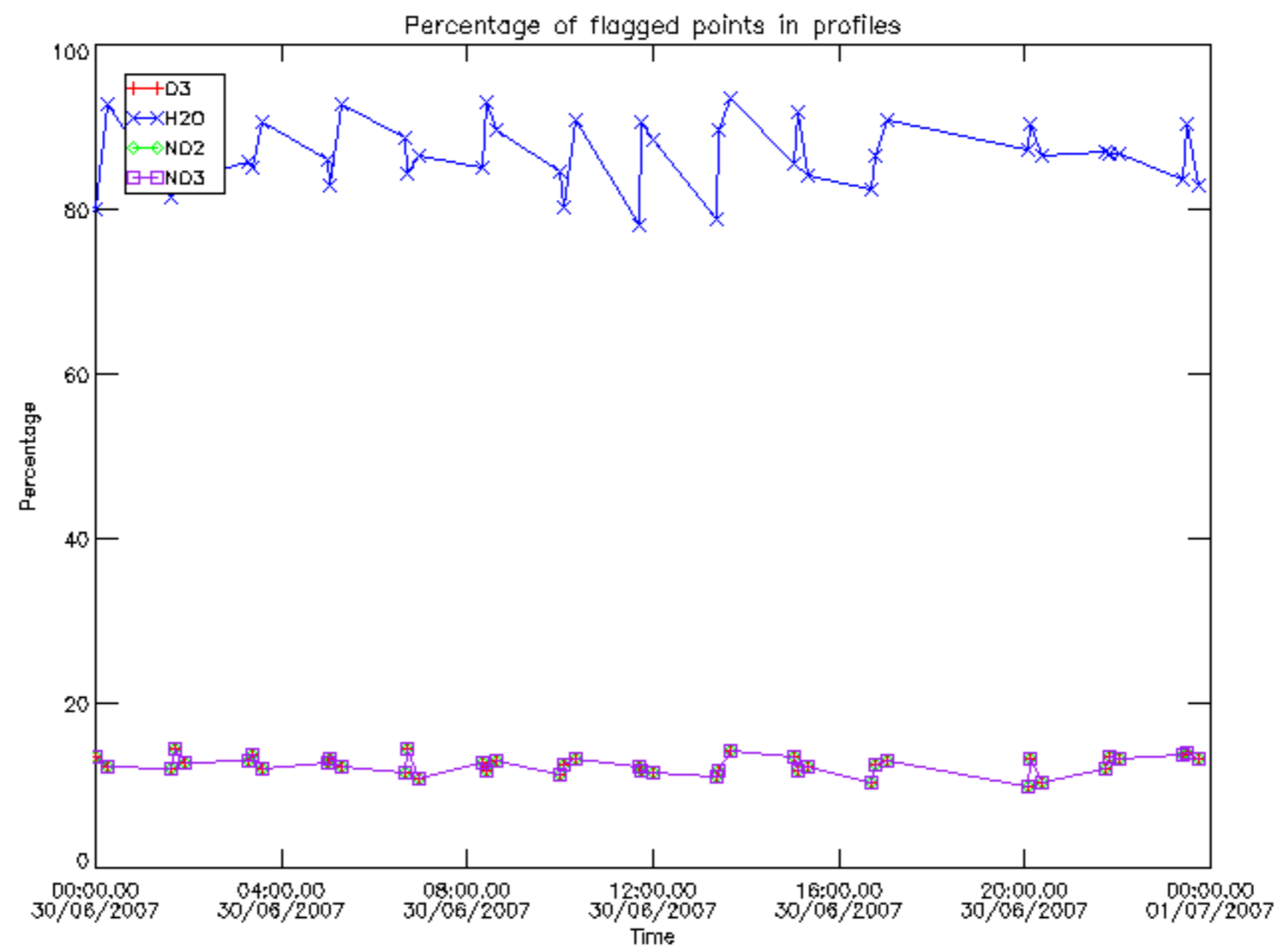




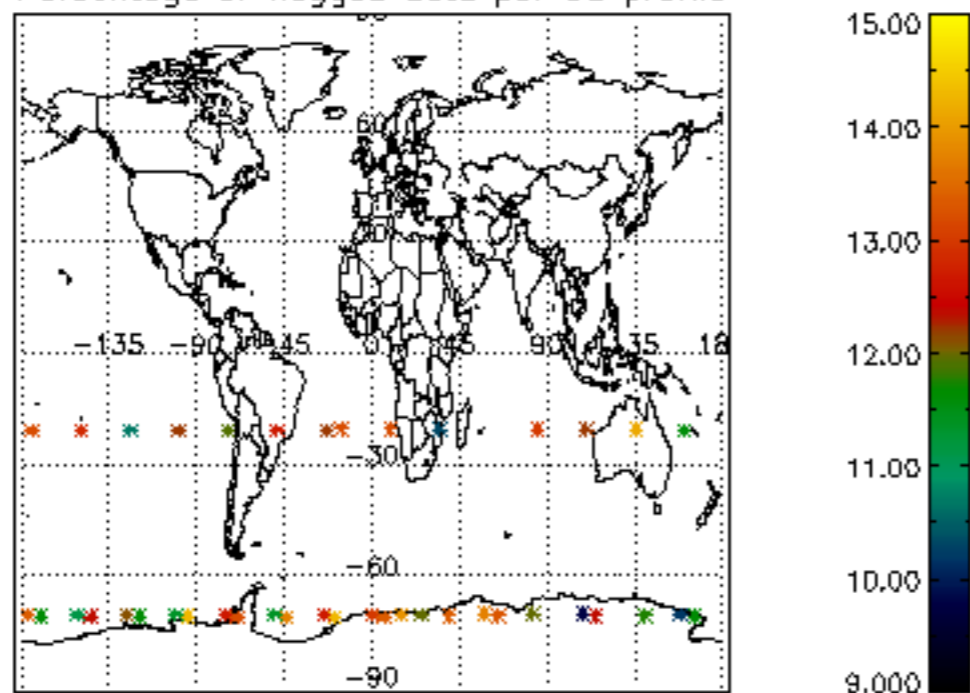




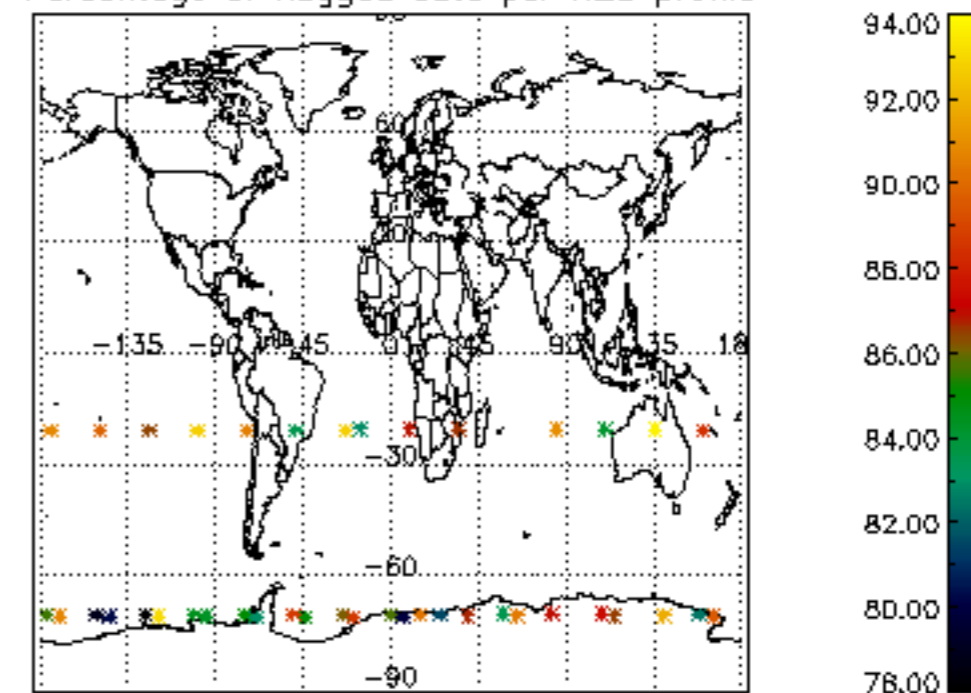




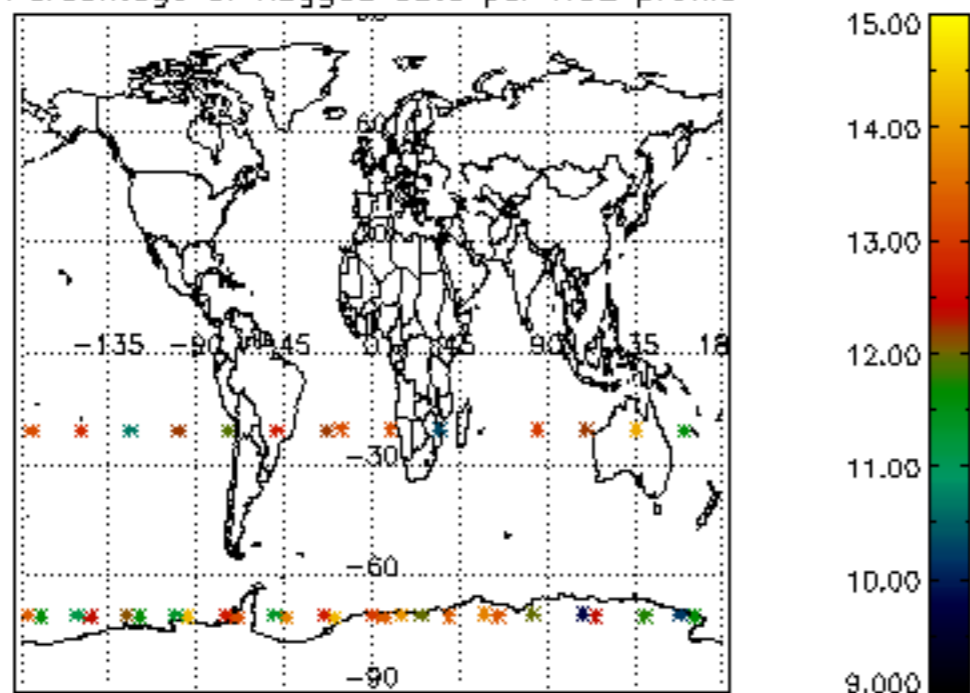
Percentage of flagged data per D3 profile



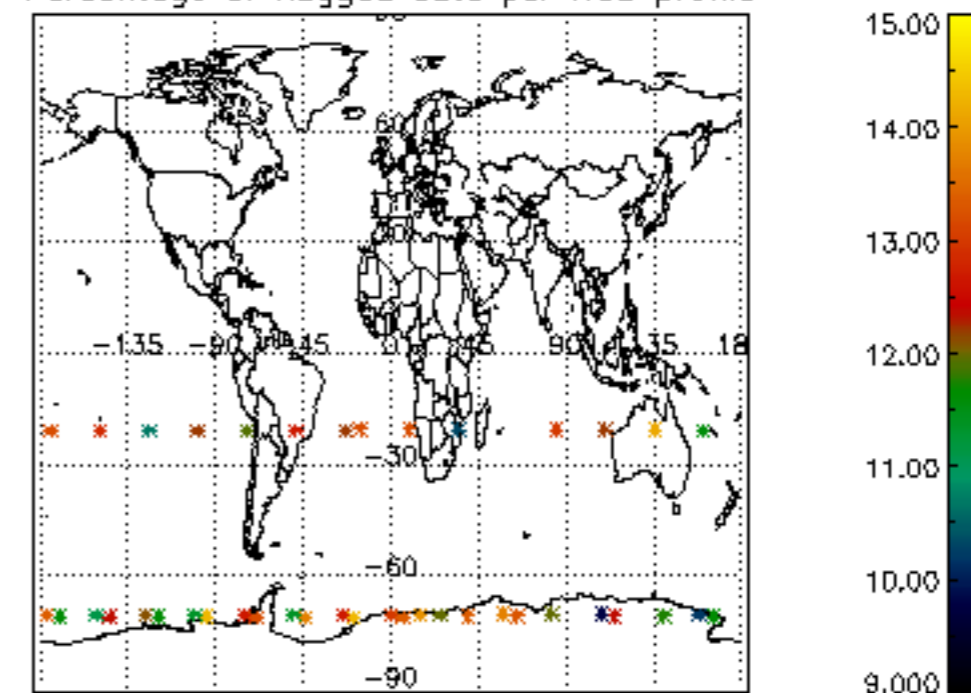
Percentage of flagged data per H2O profile



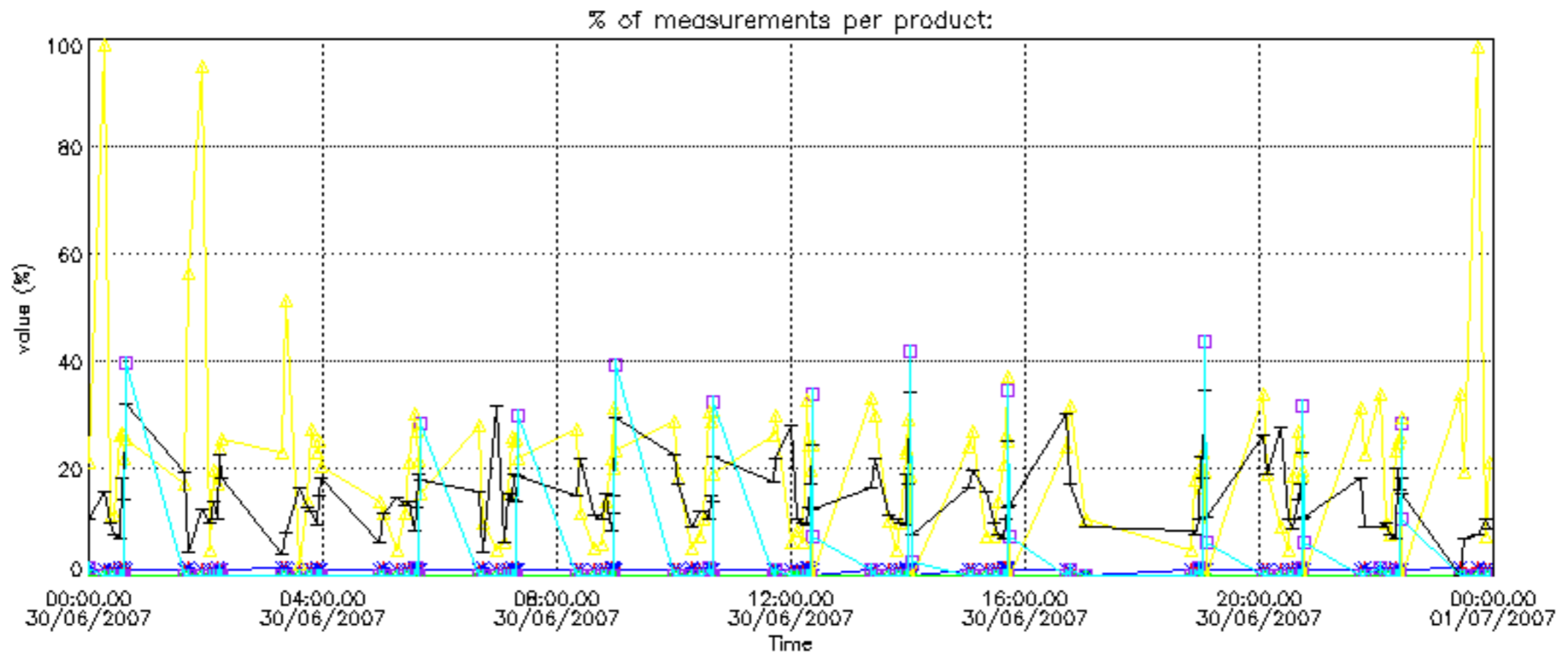
Percentage of flagged data per NO2 profile

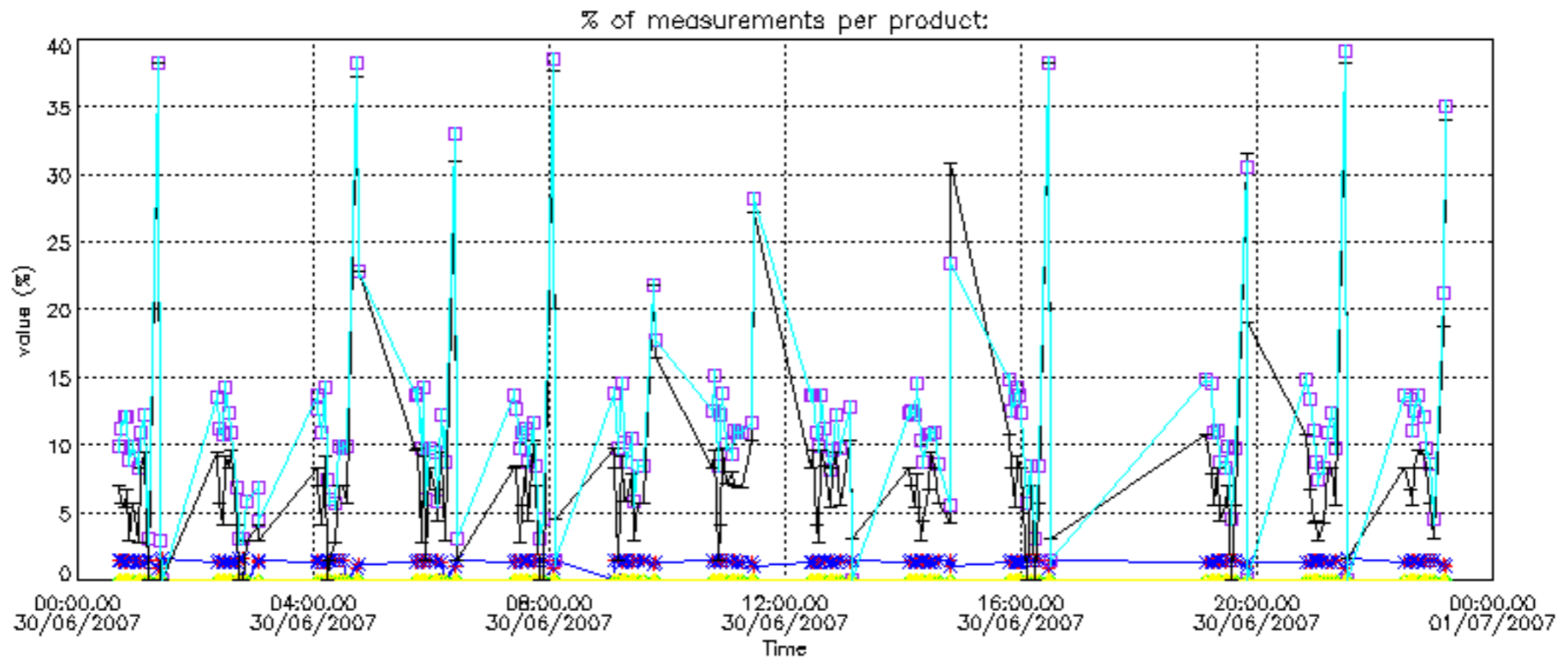


Percentage of flagged data per NO3 profile

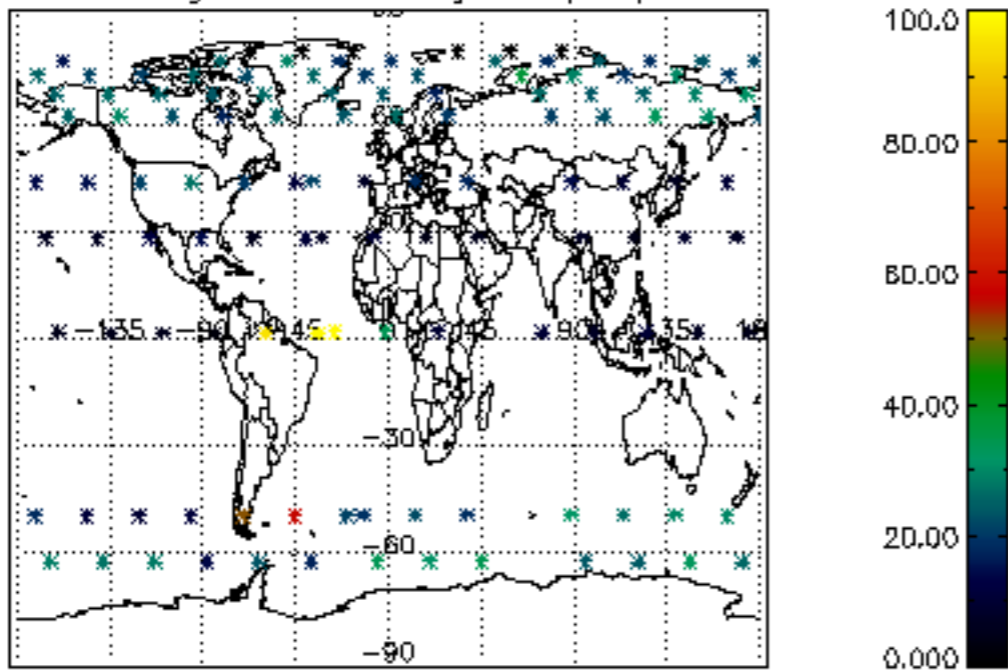




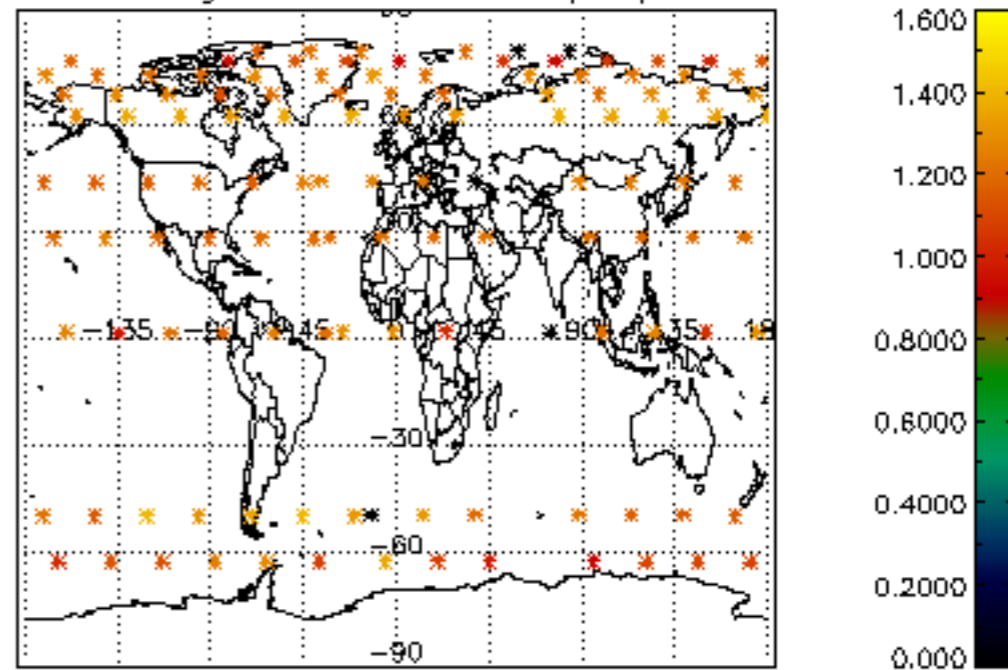




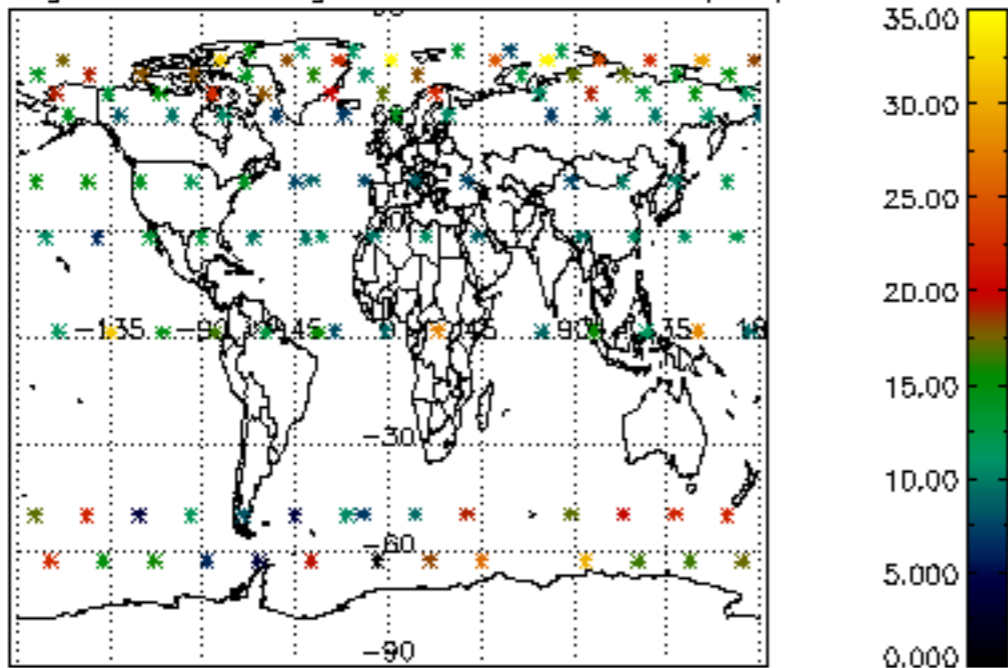
Percentage of cosmic ray hits per profile



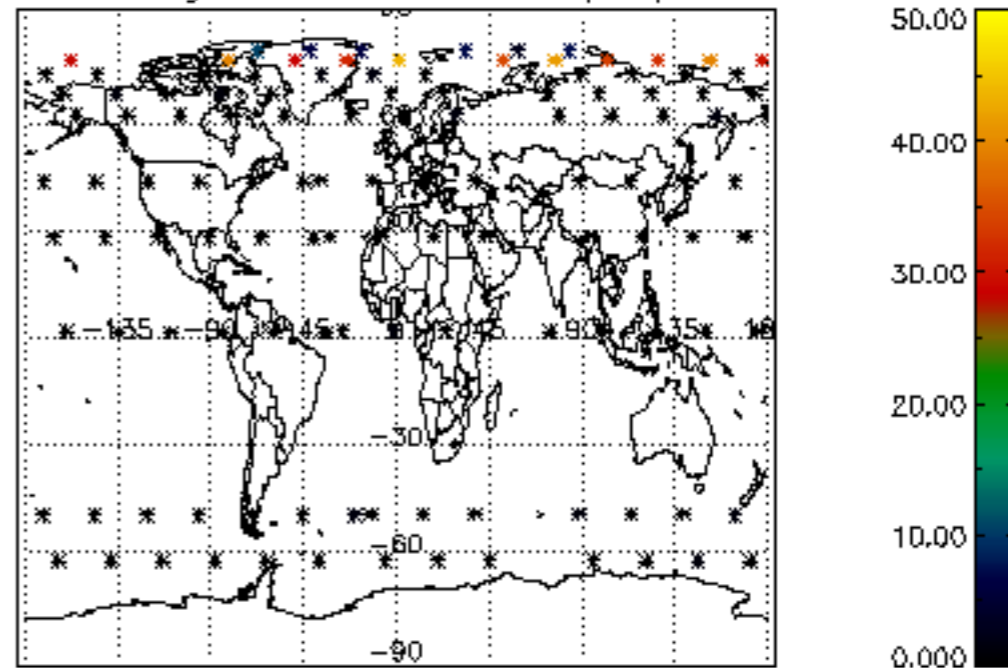
Percentage of datation errors per profile



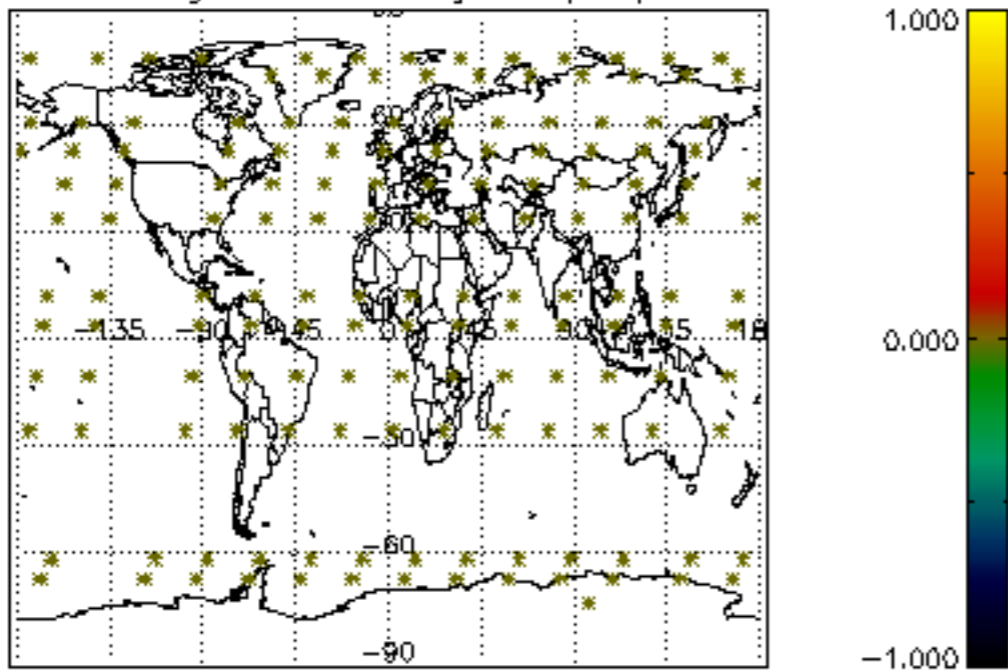
Percentage of star falling outside central band per profile



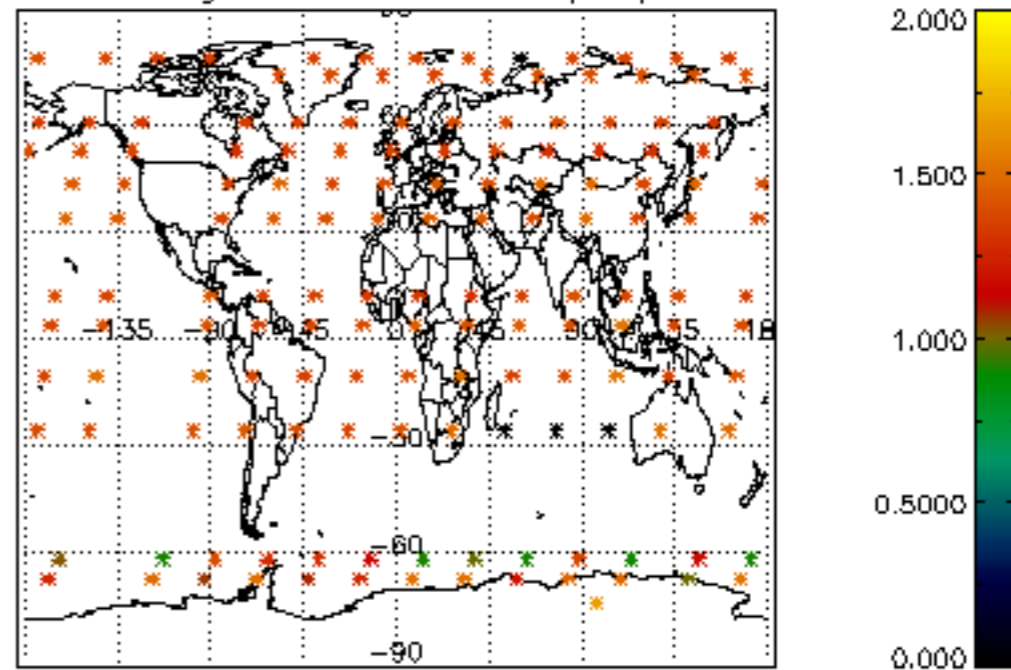
Percentage of saturation errors per profile



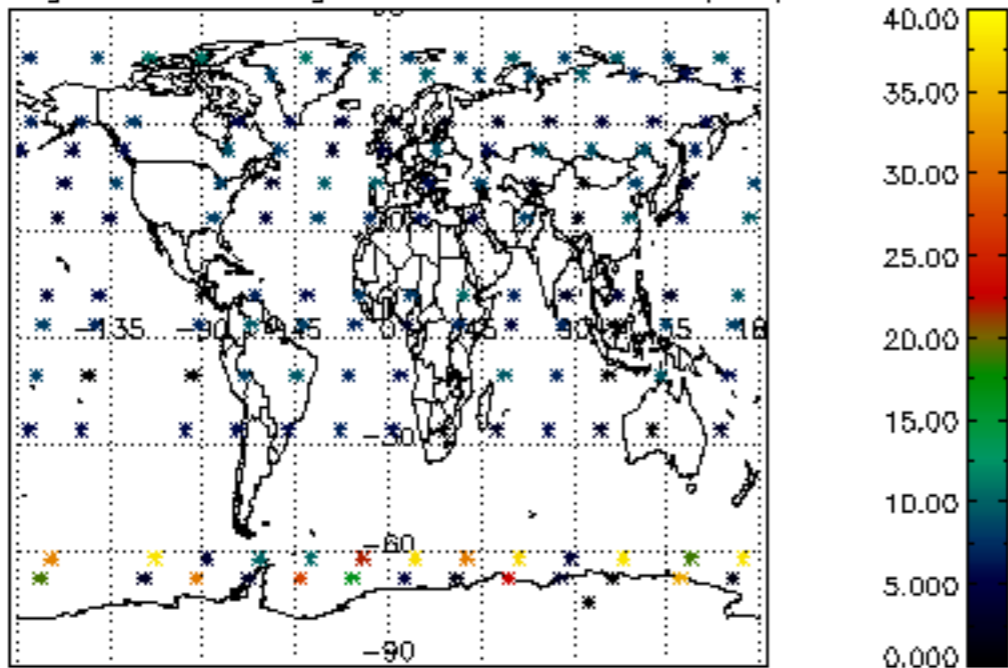
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

