

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	25APR2013 10:10:28
Data source version	GOMOS/6.01
Start time of products	07-02-2008 (07FEB2008 00:00:00)
Stop time of products	08-02-2008 (08FEB2008 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	368
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__2PRFIN20080207_000035_000000362065_00431_31046_3910.N1	07-FEB-2008 00:00:35	Bright	36.000	89	5Alp Cep	2.4510	8000.0	72	31046	No
2	GOM_NL__2PRFIN20080207_000520_000000362065_00431_31046_3911.N1	07-FEB-2008 00:05:20	Bright	36.000	69	33Gam Dra	2.2310	3800.0	72	31046	No
3	GOM_NL__2PRFIN20080207_000853_000000362065_00431_31046_3912.N1	07-FEB-2008 00:08:53	Bright	36.000	5	3Alp Lyr	0.033000	11000.	72	31046	No
4	GOM_NL__2PRFIN20080207_001536_000000342065_00431_31046_3913.N1	07-FEB-2008 00:15:36	Bright	33.500	168	17Zet Aql	2.9860	11000.	67	31046	No
5	GOM_NL__2PRFIN20080207_001931_000000562065_00431_31046_3914.N1	07-FEB-2008 00:19:31	Bright	56.000	126	60Bet Oph	2.7700	4250.0	112	31046	No
6	GOM_NL__2PRFIN20080207_002653_000000442065_00431_31046_3915.N1	07-FEB-2008 00:26:53	Twilight	43.500	137	22Lam Sgr	2.8240	4400.0	87	31046	No
7	GOM_NL__2PRFIN20080207_002811_000000402065_00431_31046_3916.N1	07-FEB-2008 00:28:11	Twilight	40.000	116	19Del Sgr	2.7000	4100.0	80	31046	No
8	GOM_NL__2PRFIN20080207_002922_000000402065_00431_31046_3917.N1	07-FEB-2008 00:29:22	Twilight	40.000	38	20Eps Sgr	1.8360	11000.	80	31046	No
9	GOM_NL__2PRFIN20080207_003106_000000402065_00431_31046_3918.N1	07-FEB-2008 00:31:06	Dark	39.500	25	35Lam Sco	1.6200	28000.	79	31046	No
10	GOM_NL__2PRFIN20080207_003230_000000422065_00431_31046_3919.N1	07-FEB-2008 00:32:30	Dark	41.500	40	The Sco	1.8590	7100.0	83	31046	No
11	GOM_NL__2PRFIN20080207_003421_000000372065_00431_31046_3920.N1	07-FEB-2008 00:34:21	Dark	37.000	147	Alp Ara	2.8770	26000.	74	31046	No
12	GOM_NL__2PRFIN20080207_003552_000000432065_00431_31046_3921.N1	07-FEB-2008 00:35:52	Dark	43.000	141	Bet Ara	2.8400	4600.0	86	31046	No
13	GOM_NL__2PRFIN20080207_004133_000000562065_00432_31047_3914.N1	07-FEB-2008 00:41:33	Dark	55.500	4	Alp1Cen	-0.010000	5800.0	111	31047	No
14	GOM_NL__2PRFIN20080207_004249_000000462065_00432_31047_3915.N1	07-FEB-2008 00:42:49	Dark	46.000	10	Bet Cen	0.61000	28000.	92	31047	No
15	GOM_NL__2PRFIN20080207_004607_000000492065_00432_31047_3916.N1	07-FEB-2008 00:46:07	Dark	48.500	12	Alp1Cru	0.77500	30000.	97	31047	No
16	GOM_NL__2PRFIN20080207_004914_000000372065_00432_31047_3917.N1	07-FEB-2008 00:49:14	Dark	37.000	29	Bet Car	1.6720	10200.	74	31047	No
17	GOM_NL__2PRFIN20080207_005142_000000412065_00432_31047_3918.N1	07-FEB-2008 00:51:42	Dark	40.500	71	lot Car	2.2460	7700.0	81	31047	No
18	GOM_NL__2PRFIN20080207_005324_000000422065_00432_31047_3919.N1	07-FEB-2008 00:53:24	Dark	41.500	46	Del Vel	1.9540	10600.	83	31047	No
19	GOM_NL__2PRFIN20080207_005552_000000412065_00432_31047_3920.N1	07-FEB-2008 00:55:52	Straylight	40.500	34	Gam2Vel	1.7930	23000.	81	31047	No
20	GOM_NL__2PRFIN20080207_005757_000000392065_00432_31047_3921.N1	07-FEB-2008 00:57:57	Straylight	39.000	70	Zet Pup	2.2460	39000.	78	31047	No
21	GOM_NL__2PRFIN20080207_005915_000000452065_00432_31047_3922.N1	07-FEB-2008 00:59:15	Straylight	44.500	117	Pi Pup	2.7060	3800.0	89	31047	No
22	GOM_NL__2PRFIN20080207_010120_000000412065_00432_31047_3923.N1	07-FEB-2008 01:01:20	Straylight	41.000	88	31Eta CMa	2.4480	20000.	82	31047	No
23	GOM_NL__2PRFIN20080207_010304_000000392065_00432_31047_3924.N1	07-FEB-2008 01:03:04	Straylight	39.000	179	24Omi2CMa	3.0320	24000.	78	31047	No
24	GOM_NL__2PRFIN20080207_011050_000000522065_00432_31047_3925.N1	07-FEB-2008 01:10:50	Twilight	51.500	8	10Alp CMi	0.40000	6500.0	103	31047	No
25	GOM_NL__2PRFIN20080207_011429_000000362065_00432_31047_3926.N1	07-FEB-2008 01:14:29	Bright	35.500	44	24Gam Gem	1.9280	11000.	71	31047	No
26	GOM_NL__2PRFIN20080207_011622_000000392065_00432_31047_3927.N1	07-FEB-2008 01:16:22	Bright	38.500	151	13Mu Gem	2.8900	3000.0	77	31047	No
27	GOM_NL__2PRFIN20080207_011825_000000382065_00432_31047_3928.N1	07-FEB-2008 01:18:25	Bright	38.000	24	66Alp Gem	1.5800	10200.	76	31047	No
28	GOM_NL__2PRFIN20080207_012044_000000342065_00432_31047_3929.N1	07-FEB-2008 01:20:44	Bright	34.000	107	37The Aur	2.6490	11000.	68	31047	No
29	GOM_NL__2PRFIN20080207_012246_000000362065_00432_31047_3930.N1	07-FEB-2008 01:22:46	Bright	36.000	42	34Bet Aur	1.9000	10200.	72	31047	No
30	GOM_NL__2PRFIN20080207_013443_000000362065_00432_31047_3931.N1	07-FEB-2008 01:34:43	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	31047	No
31	GOM_NL__2PRFIN20080207_014111_000000342065_00432_31047_3932.N1	07-FEB-2008 01:41:11	Bright	34.000	89	5Alp Cep	2.4510	8000.0	68	31047	No
32	GOM_NL__2PRFIN20080207_014556_000000382065_00432_31047_3933.N1	07-FEB-2008 01:45:56	Bright	38.000	69	33Gam Dra	2.2310	3800.0	76	31047	No
33	GOM_NL__2PRFIN20080207_014929_000000362065_00432_31047_3934.N1	07-FEB-2008 01:49:29	Bright	36.000	5	3Alp Lyr	0.033000	11000.	72	31047	No
34	GOM_NL__2PRFIN20080207_015612_000000332065_00432_31047_3935.N1	07-FEB-2008 01:56:12	Bright	33.000	168	17Zet Aql	2.9860	11000.	66	31047	No
35	GOM_NL__2PRFIN20080207_020007_000000562065_00432_31047_3936.N1	07-FEB-2008 02:00:07	Bright	55.500	126	60Bet Oph	2.7700	4250.0	111	31047	No
36	GOM_NL__2PRFIN20080207_032632_000000362065_00433_31048_3928.N1	07-FEB-2008 03:26:32	Bright	36.000	69	33Gam Dra	2.2310	3800.0	72	31048	No
37	GOM_NL__2PRFIN20080207_033005_000000352065_00433_31048_3929.N1	07-FEB-2008 03:30:05	Bright	35.000	5	3Alp Lyr	0.033000	11000.	70	31048	No
38	GOM_NL__2PRFIN20080207_033648_000000332065_00433_31048_3930.N1	07-FEB-2008 03:36:48	Bright	33.000	168	17Zet Aql	2.9860	11000.	66	31048	No
39	GOM_NL__2PRFIN20080207_034043_000000392065_00433_31048_3931.N1	07-FEB-2008 03:40:43	Bright	38.500	126	60Bet Oph	2.7700	4250.0	77	31048	No
40	GOM_NL__2PRFIN20080207_034806_000000402065_00433_31048_3932.N1	07-FEB-2008 03:48:06	Twilight	39.500	137	22Lam Sgr	2.8240	4400.0	79	31048	No
41	GOM_NL__2PRFIN20080207_034924_000000412065_00433_31048_3933.N1	07-FEB-2008 03:49:24	Twilight	41.000	116	19Del Sgr	2.7000	4100.0	82	31048	No
42	GOM_NL__2PRFIN20080207_035034_000000382065_00433_31048_3934.N1	07-FEB-2008 03:50:34	Twilight	38.000	38	20Eps Sgr	1.8360	11000.	76	31048	No

161	GOM_NL__2PRFIN20080207_103148_000000412065_00437_31052_4021.N1	07-FEB-2008 10:31:48	Twilight	40.500	116	19Del Sgr	2.7000	4100.0	81	31052	No
162	GOM_NL__2PRFIN20080207_103259_000000402065_00437_31052_4022.N1	07-FEB-2008 10:32:59	Twilight	40.000	38	20Eps Sgr	1.8360	11000.	80	31052	No
163	GOM_NL__2PRFIN20080207_103444_000000392065_00437_31052_4023.N1	07-FEB-2008 10:34:44	Dark	39.000	25	35Lam Sco	1.6200	28000.	78	31052	No
164	GOM_NL__2PRFIN20080207_103608_000000392065_00437_31052_4024.N1	07-FEB-2008 10:36:08	Dark	39.000	40	The Sco	1.8590	7100.0	78	31052	No
165	GOM_NL__2PRFIN20080207_103759_000000382065_00437_31052_4025.N1	07-FEB-2008 10:37:59	Dark	37.500	147	Alp Ara	2.8770	26000.	75	31052	No
166	GOM_NL__2PRFIN20080207_103930_000000382065_00437_31052_4026.N1	07-FEB-2008 10:39:30	Dark	37.500	141	Bet Ara	2.8400	4600.0	75	31052	No
167	GOM_NL__2PRFIN20080207_104512_000000512065_00438_31053_4016.N1	07-FEB-2008 10:45:12	Dark	51.000	4	Alp1Cen	-0.010000	5800.0	102	31053	No
168	GOM_NL__2PRFIN20080207_104628_000000412065_00438_31053_4017.N1	07-FEB-2008 10:46:28	Dark	40.500	10	Bet Cen	0.61000	28000.	81	31053	No
169	GOM_NL__2PRFIN20080207_104945_000000412065_00438_31053_4018.N1	07-FEB-2008 10:49:45	Dark	41.000	12	Alp1Cru	0.77500	30000.	82	31053	No
170	GOM_NL__2PRFIN20080207_105251_000000362065_00438_31053_4019.N1	07-FEB-2008 10:52:51	Dark	36.000	29	Bet Car	1.6720	10200.	72	31053	No
171	GOM_NL__2PRFIN20080207_105520_000000452065_00438_31053_4020.N1	07-FEB-2008 10:55:20	Dark	45.000	71	lot Car	2.2460	7700.0	90	31053	No
172	GOM_NL__2PRFIN20080207_105702_000000382065_00438_31053_4021.N1	07-FEB-2008 10:57:02	Dark	37.500	46	Del Vel	1.9540	10600.	75	31053	No
173	GOM_NL__2PRFIN20080207_105929_000000402065_00438_31053_4022.N1	07-FEB-2008 10:59:29	Straylight	40.000	34	Gam2Vel	1.7930	23000.	80	31053	No
174	GOM_NL__2PRFIN20080207_110134_000000412065_00438_31053_4023.N1	07-FEB-2008 11:01:34	Straylight	41.000	70	Zet Pup	2.2460	39000.	82	31053	No
175	GOM_NL__2PRFIN20080207_110252_000000432065_00438_31053_4024.N1	07-FEB-2008 11:02:52	Straylight	42.500	117	Pi Pup	2.7060	3800.0	85	31053	No
176	GOM_NL__2PRFIN20080207_110457_000000392065_00438_31053_4025.N1	07-FEB-2008 11:04:57	Straylight	38.500	88	31Eta CMa	2.4480	20000.	77	31053	No
177	GOM_NL__2PRFIN20080207_110641_000000372065_00438_31053_4026.N1	07-FEB-2008 11:06:41	Straylight	37.000	179	24Omi2CMa	3.0320	24000.	74	31053	No
178	GOM_NL__2PRFIN20080207_111427_000000452065_00438_31053_4027.N1	07-FEB-2008 11:14:27	Twilight	45.000	8	10Alp CMI	0.40000	6500.0	90	31053	No
179	GOM_NL__2PRFIN20080207_111806_000000372065_00438_31053_4028.N1	07-FEB-2008 11:18:06	Bright	37.000	44	24Gam Gem	1.9280	11000.	74	31053	No
180	GOM_NL__2PRFIN20080207_112000_000000392065_00438_31053_4029.N1	07-FEB-2008 11:20:00	Bright	38.500	151	13Mu Gem	2.8900	3000.0	77	31053	No
181	GOM_NL__2PRFIN20080207_112200_000000382065_00438_31053_4030.N1	07-FEB-2008 11:22:00	Bright	38.000	24	66Alp Gem	1.5800	10200.	76	31053	No
182	GOM_NL__2PRFIN20080207_112421_000000362065_00438_31053_4031.N1	07-FEB-2008 11:24:21	Bright	35.500	107	37The Aur	2.6490	11000.	71	31053	No
183	GOM_NL__2PRFIN20080207_112623_000000362065_00438_31053_4032.N1	07-FEB-2008 11:26:23	Bright	36.000	42	34Bet Aur	1.9000	10200.	72	31053	No
184	GOM_NL__2PRFIN20080207_113819_000000362065_00438_31053_4033.N1	07-FEB-2008 11:38:19	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	31053	No
185	GOM_NL__2PRFIN20080207_114448_000000352065_00438_31053_4034.N1	07-FEB-2008 11:44:48	Bright	34.500	89	5Alp Cep	2.4510	8000.0	69	31053	No
186	GOM_NL__2PRFIN20080207_114931_000000352065_00438_31053_4035.N1	07-FEB-2008 11:49:31	Bright	35.000	69	33Gam Dra	2.2310	3800.0	70	31053	No
187	GOM_NL__2PRFIN20080207_115306_000000362065_00438_31053_4036.N1	07-FEB-2008 11:53:06	Bright	36.000	5	3Alp Lyr	0.033000	11000.	72	31053	No
188	GOM_NL__2PRFIN20080207_115949_000000332065_00438_31053_4037.N1	07-FEB-2008 11:59:49	Bright	33.000	168	17Zet Aql	2.9860	11000.	66	31053	No
189	GOM_NL__2PRFIN20080207_120345_000000402065_00438_31053_4038.N1	07-FEB-2008 12:03:45	Bright	39.500	126	60Bet Oph	2.7700	4250.0	79	31053	No
190	GOM_NL__2PRFIN20080207_121107_000000392065_00438_31053_4039.N1	07-FEB-2008 12:11:07	Twilight	38.500	137	22Lam Sgr	2.8240	4400.0	77	31053	No
191	GOM_NL__2PRFIN20080207_121225_000000412065_00438_31053_4040.N1	07-FEB-2008 12:12:25	Twilight	40.500	116	19Del Sgr	2.7000	4100.0	81	31053	No
192	GOM_NL__2PRFIN20080207_121335_000000382065_00438_31053_4041.N1	07-FEB-2008 12:13:35	Twilight	38.000	38	20Eps Sgr	1.8360	11000.	76	31053	No
193	GOM_NL__2PRFIN20080207_121520_000000412065_00438_31053_4042.N1	07-FEB-2008 12:15:20	Dark	40.500	25	35Lam Sco	1.6200	28000.	81	31053	No
194	GOM_NL__2PRFIN20080207_121644_000000412065_00438_31053_4043.N1	07-FEB-2008 12:16:44	Dark	41.000	40	The Sco	1.8590	7100.0	82	31053	No
195	GOM_NL__2PRFIN20080207_121835_000000372065_00438_31053_4044.N1	07-FEB-2008 12:18:35	Dark	36.500	147	Alp Ara	2.8770	26000.	73	31053	No
196	GOM_NL__2PRFIN20080207_122006_000000382065_00438_31053_4045.N1	07-FEB-2008 12:20:06	Dark	37.500	141	Bet Ara	2.8400	4600.0	75	31053	No
197	GOM_NL__2PRFIN20080207_122549_000000422065_00439_31054_4029.N1	07-FEB-2008 12:25:49	Dark	41.500	4	Alp1Cen	-0.010000	5800.0	83	31054	No
198	GOM_NL__2PRFIN20080207_122704_000000402065_00439_31054_4030.N1	07-FEB-2008 12:27:04	Dark	40.000	10	Bet Cen	0.61000	28000.	80	31054	No
199	GOM_NL__2PRFIN20080207_123022_000000412065_00439_31054_4031.N1	07-FEB-2008 12:30:22	Dark	40.500	12	Alp1Cru	0.77500	30000.	81	31054	No
200	GOM_NL__2PRFIN20080207_123327_000000382065_00439_31054_4032.N1	07-FEB-2008 12:33:27	Dark	37.500	29	Bet Car	1.6720	10200.	75	31054	No
201	GOM_NL__2PRFIN20080207_123556_000000382065_00439_31054_4033.N1	07-FEB-2008 12:35:56	Dark	38.000	71	lot Car	2.2460	7700.0	76	31054	No
202	GOM_NL__2PRFIN20080207_123738_000000372065_00439_31054_4034.N1	07-FEB-2008 12:37:38	Dark	36.500	46	Del Vel	1.9540	10600.	73	31054	No
203	GOM_NL__2PRFIN20080207_124005_000000412065_00439_31054_4035.N1	07-FEB-2008 12:40:05	Straylight	41.000	34	Gam2Vel	1.7930	23000.	82	31054	No
204	GOM_NL__2PRFIN20080207_124210_000000392065_00439_31054_4036.N1	07-FEB-2008 12:42:10	Straylight	38.500	70	Zet Pup	2.2460	39000.	77	31054	No
205	GOM_NL__2PRFIN20080207_124328_000000432065_00439_31054_4037.N1	07-FEB-2008 12:43:28	Straylight	42.500	117	Pi Pup	2.7060	3800.0	85	31054	No
206	GOM_NL__2PRFIN20080207_124533_000000392065_00439_31054_4038.N1	07-FEB-2008 12:45:33	Straylight	38.500	88	31Eta CMa	2.4480	20000.	77	31054	No
207	GOM_NL__2PRFIN20080207_124717_000000372065_00439_31054_4039.N1	07-FEB-2008 12:47:17	Straylight	37.000	179	24Omi2CMa	3.0320	24000.	74	31054	No
208	GOM_NL__2PRFIN20080207_142753_000000372065_00440_31055_4041.N1	07-FEB-2008 14:27:53	Straylight	37.000	179	24Omi2CMa	3.0320	24000.	74	31055	No
209	GOM_NL__2PRFIN20080207_143539_000000462065_00440_31055_4042.N1	07-FEB-2008 14:35:39	Twilight	45.500	8	10Alp CMI	0.40000	6500.0	91	31055	No
210	GOM_NL__2PRFIN20080207_143918_000000382065_00440_31055_4043.N1	07-FEB-2008 14:39:18	Bright	38.000	44	24Gam Gem	1.9280	11000.	76	31055	No
211	GOM_NL__2PRFIN20080207_144112_000000522065_00440_31055_4044.N1	07-FEB-2008 14:41:12	Bright	52.000	151	13Mu Gem	2.8900	3000.0	104	31055	No
212	GOM_NL__2PRFIN20080207_144312_000000382065_00440_31055_4045.N1	07-FEB-2008 14:43:12	Bright	37.500	24	66Alp Gem	1.5800	10200.	75	31055	No
213	GOM_NL__2PRFIN20080207_144534_000000392065_00440_31055_4046.N1	07-FEB-2008 14:45:34	Bright	39.000	107	37The Aur	2.6490	11000.	78	31055	No
214	GOM_NL__2PRFIN20080207_144736_000000342065_00440_31055_4047.N1	07-FEB-2008 14:47:36	Bright	34.000	42	34Bet Aur	1.9000	10200.	68	31055	No
215	GOM_NL__2PRFIN20080207_145931_000000362065_00440_31055_4048.N1	07-FEB-2008 14:59:31	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	31055	No
216	GOM_NL__2PRFIN20080207_150600_000000362065_00440_31055_4049.N1	07-FEB-2008 15:06:00	Bright	35.500	89	5Alp Cep	2.4510	8000.0	71	31055	No
217	GOM_NL__2PRFIN20080207_151043_000000392065_00440_31055_4050.N1	07-FEB-2008 15:10:43	Bright	39.000	69	33Gam Dra	2.2310	3800.0	78	31055	No
218	GOM_NL__2PRFIN20080207_151418_000000362065_00440_31055_4051.N1	07-FEB-2008 15:14:18	Bright	36.000	5	3Alp Lyr	0.033000	11000.	72	31055	No
219	GOM_NL__2PRFIN20080207_152101_000000332065_00440_31055_4052.N1	07-FEB-2008 15:21:01	Bright	33.000	168	17Zet Aql	2.9860	11000.	66	31055	No

220	GOM_NL__2PRFIN20080207_152458_000000472065_00440_31055_4053.N1	07-FEB-2008 15:24:58	Bright	46.500	126	60Bet Oph	2.7700	4250.0	93	31055	No
221	GOM_NL__2PRFIN20080207_153219_000000402065_00440_31055_4054.N1	07-FEB-2008 15:32:19	Twilight	40.000	137	22Lam Sgr	2.8240	4400.0	80	31055	No
222	GOM_NL__2PRFIN20080207_153337_000000392065_00440_31055_4055.N1	07-FEB-2008 15:33:37	Twilight	38.500	116	19Del Sgr	2.7000	4100.0	77	31055	No
223	GOM_NL__2PRFIN20080207_153448_000000382065_00440_31055_4056.N1	07-FEB-2008 15:34:48	Dark	38.000	38	20Eps Sgr	1.8360	11000.	76	31055	No
224	GOM_NL__2PRFIN20080207_153633_000000432065_00440_31055_4057.N1	07-FEB-2008 15:36:33	Dark	42.500	25	35Lam Sco	1.6200	28000.	85	31055	No
225	GOM_NL__2PRFIN20080207_153757_000000442065_00440_31055_4058.N1	07-FEB-2008 15:37:57	Dark	43.500	40	The Sco	1.8590	7100.0	87	31055	No
226	GOM_NL__2PRFIN20080207_153947_000000382065_00440_31055_4059.N1	07-FEB-2008 15:39:47	Dark	38.000	147	Alp Ara	2.8770	26000.	76	31055	No
227	GOM_NL__2PRFIN20080207_154119_000000442065_00440_31055_4060.N1	07-FEB-2008 15:41:19	Dark	44.000	141	Bet Ara	2.8400	4600.0	88	31055	No
228	GOM_NL__2PRFIN20080207_154702_000000432065_00441_31056_4059.N1	07-FEB-2008 15:47:02	Dark	42.500	4	Alp1Cen	-0.010000	5800.0	85	31056	No
229	GOM_NL__2PRFIN20080207_154817_000000422065_00441_31056_4060.N1	07-FEB-2008 15:48:17	Dark	42.000	10	Bet Cen	0.61000	28000.	84	31056	No
230	GOM_NL__2PRFIN20080207_155135_000000422065_00441_31056_4061.N1	07-FEB-2008 15:51:35	Dark	41.500	12	Alp1Cru	0.77500	30000.	83	31056	No
231	GOM_NL__2PRFIN20080207_155439_000000382065_00441_31056_4062.N1	07-FEB-2008 15:54:39	Dark	37.500	29	Bet Car	1.6720	10200.	75	31056	No
232	GOM_NL__2PRFIN20080207_155708_000000382065_00441_31056_4063.N1	07-FEB-2008 15:57:08	Dark	37.500	71	lot Car	2.2460	7700.0	75	31056	No
233	GOM_NL__2PRFIN20080207_155850_000000412065_00441_31056_4064.N1	07-FEB-2008 15:58:50	Dark	41.000	46	Del Vel	1.9540	10600.	82	31056	No
234	GOM_NL__2PRFIN20080207_160118_000000382065_00441_31056_4065.N1	07-FEB-2008 16:01:18	Straylight	38.000	34	Gam2Vel	1.7930	23000.	76	31056	No
235	GOM_NL__2PRFIN20080207_160322_000000372065_00441_31056_4066.N1	07-FEB-2008 16:03:22	Straylight	36.500	70	Zet Pup	2.2460	39000.	73	31056	No
236	GOM_NL__2PRFIN20080207_160440_000000442065_00441_31056_4067.N1	07-FEB-2008 16:04:40	Straylight	43.500	117	Pi Pup	2.7060	3800.0	87	31056	No
237	GOM_NL__2PRFIN20080207_160645_000000382065_00441_31056_4068.N1	07-FEB-2008 16:06:45	Straylight	38.000	88	31Eta CMa	2.4480	20000.	76	31056	No
238	GOM_NL__2PRFIN20080207_160829_000000392065_00441_31056_4069.N1	07-FEB-2008 16:08:29	Straylight	38.500	179	24Omi2CMa	3.0320	24000.	77	31056	No
239	GOM_NL__2PRFIN20080207_161615_000000482065_00441_31056_4070.N1	07-FEB-2008 16:16:15	Tw_and_stray	48.000	8	10Alp CMi	0.40000	6500.0	96	31056	No
240	GOM_NL__2PRFIN20080207_161954_000000372065_00441_31056_4071.N1	07-FEB-2008 16:19:54	Bright	37.000	44	24Gam Gem	1.9280	11000.	74	31056	No
241	GOM_NL__2PRFIN20080207_162148_000000392065_00441_31056_4072.N1	07-FEB-2008 16:21:48	Bright	39.000	151	13Mu Gem	2.8900	3000.0	78	31056	No
242	GOM_NL__2PRFIN20080207_162348_000000382065_00441_31056_4073.N1	07-FEB-2008 16:23:48	Bright	37.500	24	66Alp Gem	1.5800	10200.	75	31056	No
243	GOM_NL__2PRFIN20080207_162610_000000382065_00441_31056_4074.N1	07-FEB-2008 16:26:10	Bright	37.500	107	37The Aur	2.6490	11000.	75	31056	No
244	GOM_NL__2PRFIN20080207_162812_000000362065_00441_31056_4075.N1	07-FEB-2008 16:28:12	Bright	35.500	42	34Bet Aur	1.9000	10200.	71	31056	No
245	GOM_NL__2PRFIN20080207_164006_000000372065_00441_31056_4076.N1	07-FEB-2008 16:40:06	Bright	37.000	49	1Alp UMi	1.9900	6300.0	74	31056	No
246	GOM_NL__2PRFIN20080207_164637_000000382065_00441_31056_4077.N1	07-FEB-2008 16:46:37	Bright	37.500	89	5Alp Cep	2.4510	8000.0	75	31056	No
247	GOM_NL__2PRFIN20080207_165119_000000352065_00441_31056_4078.N1	07-FEB-2008 16:51:19	Bright	34.500	69	33Gam Dra	2.2310	3800.0	69	31056	No
248	GOM_NL__2PRFIN20080207_165454_000000352065_00441_31056_4079.N1	07-FEB-2008 16:54:54	Bright	34.500	5	3Alp Lyr	0.033000	11000.	69	31056	No
249	GOM_NL__2PRFIN20080207_170137_000000342065_00441_31056_4080.N1	07-FEB-2008 17:01:37	Bright	34.000	168	17Zet Aql	2.9860	11000.	68	31056	No
250	GOM_NL__2PRFIN20080207_170534_000000402065_00441_31056_4081.N1	07-FEB-2008 17:05:34	Bright	40.000	126	60Bet Oph	2.7700	4250.0	80	31056	No
251	GOM_NL__2PRFIN20080207_171255_000000382065_00441_31056_4082.N1	07-FEB-2008 17:12:55	Twilight	37.500	137	22Lam Sgr	2.8240	4400.0	75	31056	No
252	GOM_NL__2PRFIN20080207_171413_000000422065_00441_31056_4083.N1	07-FEB-2008 17:14:13	Twilight	42.000	116	19Del Sgr	2.7000	4100.0	84	31056	No
253	GOM_NL__2PRFIN20080207_171524_000000412065_00441_31056_4084.N1	07-FEB-2008 17:15:24	Dark	40.500	38	20Eps Sgr	1.8360	11000.	81	31056	No
254	GOM_NL__2PRFIN20080207_171709_000000412065_00441_31056_4085.N1	07-FEB-2008 17:17:09	Dark	40.500	25	35Lam Sco	1.6200	28000.	81	31056	No
255	GOM_NL__2PRFIN20080207_171833_000000412065_00441_31056_4086.N1	07-FEB-2008 17:18:33	Dark	40.500	40	The Sco	1.8590	7100.0	81	31056	No
256	GOM_NL__2PRFIN20080207_172024_000000372065_00441_31056_4087.N1	07-FEB-2008 17:20:24	Dark	37.000	147	Alp Ara	2.8770	26000.	74	31056	No
257	GOM_NL__2PRFIN20080207_172155_000000372065_00441_31056_4088.N1	07-FEB-2008 17:21:55	Dark	37.000	141	Bet Ara	2.8400	4600.0	74	31056	No
258	GOM_NL__2PRFIN20080207_172738_000000422065_00442_31057_4072.N1	07-FEB-2008 17:27:38	Dark	42.000	4	Alp1Cen	-0.010000	5800.0	84	31057	No
259	GOM_NL__2PRFIN20080207_172854_000000432065_00442_31057_4073.N1	07-FEB-2008 17:28:54	Dark	43.000	10	Bet Cen	0.61000	28000.	86	31057	No
260	GOM_NL__2PRFIN20080207_173211_000000422065_00442_31057_4074.N1	07-FEB-2008 17:32:11	Dark	41.500	12	Alp1Cru	0.77500	30000.	83	31057	No
261	GOM_NL__2PRFIN20080207_173515_000000382065_00442_31057_4075.N1	07-FEB-2008 17:35:15	Dark	38.000	29	Bet Car	1.6720	10200.	76	31057	No
262	GOM_NL__2PRFIN20080207_173744_000000382065_00442_31057_4076.N1	07-FEB-2008 17:37:44	Dark	38.000	71	lot Car	2.2460	7700.0	76	31057	No
263	GOM_NL__2PRFIN20080207_173926_000000432065_00442_31057_4077.N1	07-FEB-2008 17:39:26	Dark	42.500	46	Del Vel	1.9540	10600.	85	31057	No
264	GOM_NL__2PRFIN20080207_174154_000000412065_00442_31057_4078.N1	07-FEB-2008 17:41:54	Straylight	41.000	34	Gam2Vel	1.7930	23000.	82	31057	No
265	GOM_NL__2PRFIN20080207_174358_000000392065_00442_31057_4079.N1	07-FEB-2008 17:43:58	Straylight	39.000	70	Zet Pup	2.2460	39000.	78	31057	No
266	GOM_NL__2PRFIN20080207_174516_000000452065_00442_31057_4080.N1	07-FEB-2008 17:45:16	Straylight	44.500	117	Pi Pup	2.7060	3800.0	89	31057	No
267	GOM_NL__2PRFIN20080207_174721_000000392065_00442_31057_4081.N1	07-FEB-2008 17:47:21	Straylight	38.500	88	31Eta CMa	2.4480	20000.	77	31057	No
268	GOM_NL__2PRFIN20080207_174905_000000392065_00442_31057_4082.N1	07-FEB-2008 17:49:05	Straylight	38.500	179	24Omi2CMa	3.0320	24000.	77	31057	No
269	GOM_NL__2PRFIN20080207_175651_000000462065_00442_31057_4083.N1	07-FEB-2008 17:56:51	Tw_and_stray	46.000	8	10Alp CMi	0.40000	6500.0	92	31057	No
270	GOM_NL__2PRFIN20080207_180031_000000382065_00442_31057_4084.N1	07-FEB-2008 18:00:31	Bright	37.500	44	24Gam Gem	1.9280	11000.	75	31057	No
271	GOM_NL__2PRFIN20080207_180224_000000392065_00442_31057_4085.N1	07-FEB-2008 18:02:24	Bright	38.500	151	13Mu Gem	2.8900	3000.0	77	31057	No
272	GOM_NL__2PRFIN20080207_180424_000000382065_00442_31057_4086.N1	07-FEB-2008 18:04:24	Bright	38.000	24	66Alp Gem	1.5800	10200.	76	31057	No
273	GOM_NL__2PRFIN20080207_180647_000000362065_00442_31057_4087.N1	07-FEB-2008 18:06:47	Bright	35.500	107	37The Aur	2.6490	11000.	71	31057	No
274	GOM_NL__2PRFIN20080207_180848_000000342065_00442_31057_4088.N1	07-FEB-2008 18:08:48	Bright	34.000	42	34Bet Aur	1.9000	10200.	68	31057	No
275	GOM_NL__2PRFIN20080207_182042_000000382065_00442_31057_4089.N1	07-FEB-2008 18:20:42	Bright	37.500	49	1Alp UMi	1.9900	6300.0	75	31057	No
276	GOM_NL__2PRFIN20080207_182713_000000362065_00442_31057_4090.N1	07-FEB-2008 18:27:13	Bright	36.000	89	5Alp Cep	2.4510	8000.0	72	31057	No
277	GOM_NL__2PRFIN20080207_183155_000000352065_00442_31057_4091.N1	07-FEB-2008 18:31:55	Bright	35.000	69	33Gam Dra	2.2310	3800.0	70	31057	No
278	GOM_NL__2PRFIN20080207_183530_000000362065_00442_31057_4092.N1	07-FEB-2008 18:35:30	Bright	36.000	5	3Alp Lyr	0.033000	11000.	72	31057	No

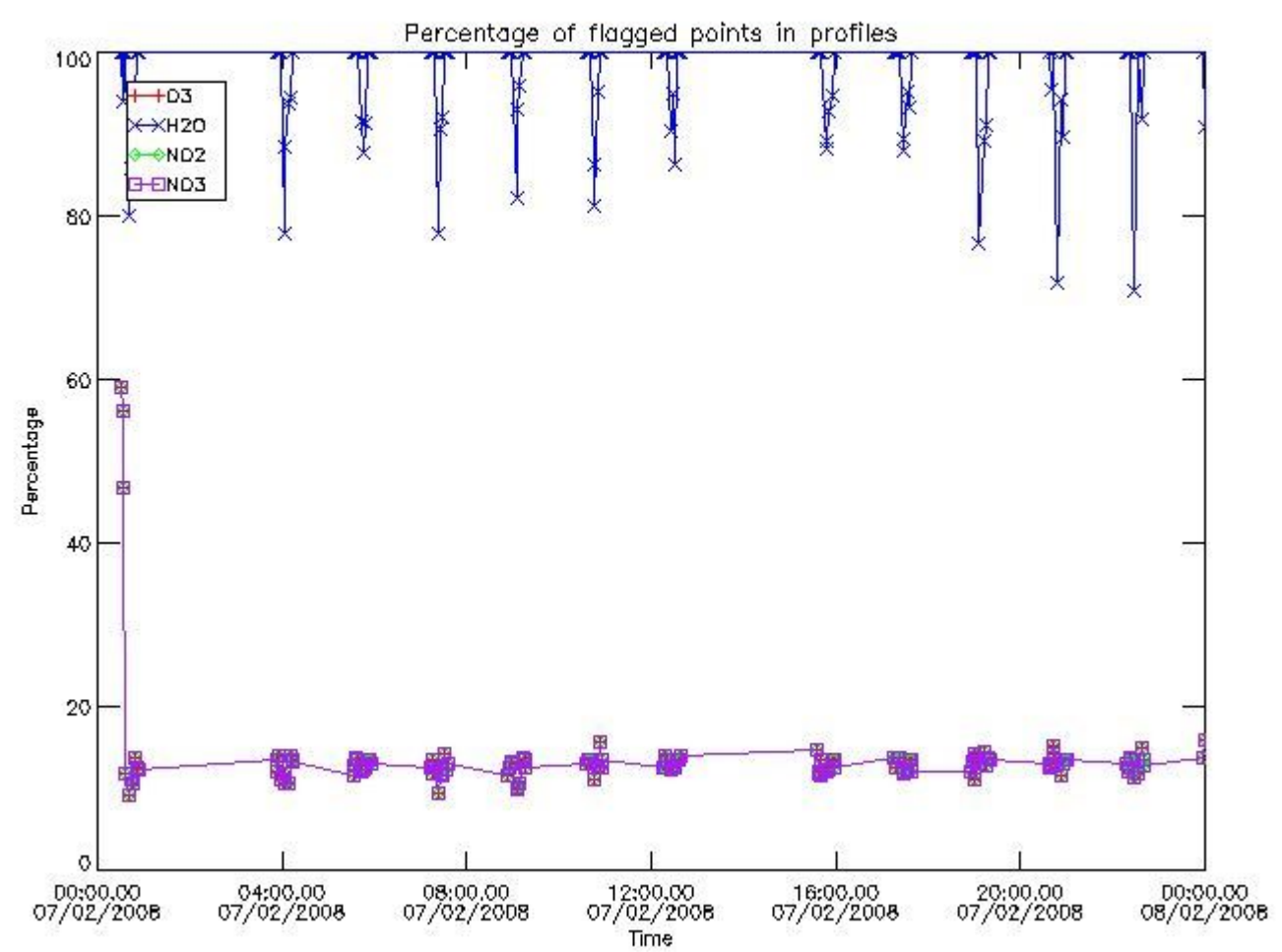
279	GOM_NL__2PRFIN20080207_184213_000000342065_00442_31057_4093.N1	07-FEB-2008 18:42:13	Bright	33.500	168	17Zet Aql	2.9860	11000.	67	31057	No
280	GOM_NL__2PRFIN20080207_184610_000000572065_00442_31057_4094.N1	07-FEB-2008 18:46:10	Bright	56.500	126	60Bet Oph	2.7700	4250.0	113	31057	No
281	GOM_NL__2PRFIN20080207_185331_000000432065_00442_31057_4095.N1	07-FEB-2008 18:53:31	Twilight	42.500	137	22Lam Sgr	2.8240	4400.0	85	31057	No
282	GOM_NL__2PRFIN20080207_185449_000000432065_00442_31057_4096.N1	07-FEB-2008 18:54:49	Twilight	43.000	116	19Del Sgr	2.7000	4100.0	86	31057	No
283	GOM_NL__2PRFIN20080207_185600_000000432065_00442_31057_4097.N1	07-FEB-2008 18:56:00	Dark	42.500	38	20Eps Sgr	1.8360	11000.	85	31057	No
284	GOM_NL__2PRFIN20080207_185746_000000392065_00442_31057_4098.N1	07-FEB-2008 18:57:46	Dark	38.500	25	35Lam Sco	1.6200	28000.	77	31057	No
285	GOM_NL__2PRFIN20080207_185909_000000462065_00442_31057_4099.N1	07-FEB-2008 18:59:09	Dark	45.500	40	The Sco	1.8590	7100.0	91	31057	No
286	GOM_NL__2PRFIN20080207_190100_000000362065_00442_31057_4100.N1	07-FEB-2008 19:01:00	Dark	36.000	147	Alp Ara	2.8770	26000.	72	31057	No
287	GOM_NL__2PRFIN20080207_190231_000000372065_00442_31057_4101.N1	07-FEB-2008 19:02:31	Dark	37.000	141	Bet Ara	2.8400	4600.0	74	31057	No
288	GOM_NL__2PRFIN20080207_190618_000000392065_00443_31058_4103.N1	07-FEB-2008 19:06:18	Dark	39.000	43	Alp TrA	1.9100	4250.0	78	31058	No
289	GOM_NL__2PRFIN20080207_191248_000000422065_00443_31058_4104.N1	07-FEB-2008 19:12:48	Dark	42.000	12	Alp1Cru	0.77500	30000.	84	31058	No
290	GOM_NL__2PRFIN20080207_191552_000000402065_00443_31058_4105.N1	07-FEB-2008 19:15:52	Dark	40.000	29	Bet Car	1.6720	10200.	80	31058	No
291	GOM_NL__2PRFIN20080207_191821_000000372065_00443_31058_4106.N1	07-FEB-2008 19:18:21	Dark	37.000	71	lot Car	2.2460	7700.0	74	31058	No
292	GOM_NL__2PRFIN20080207_192002_000000382065_00443_31058_4107.N1	07-FEB-2008 19:20:02	Dark	37.500	46	Del Vel	1.9540	10600.	75	31058	No
293	GOM_NL__2PRFIN20080207_192230_000000402065_00443_31058_4108.N1	07-FEB-2008 19:22:30	Straylight	40.000	34	Gam2Vel	1.7930	23000.	80	31058	No
294	GOM_NL__2PRFIN20080207_192434_000000382065_00443_31058_4109.N1	07-FEB-2008 19:24:34	Straylight	38.000	70	Zet Pup	2.2460	39000.	76	31058	No
295	GOM_NL__2PRFIN20080207_192552_000000432065_00443_31058_4110.N1	07-FEB-2008 19:25:52	Straylight	42.500	117	Pi Pup	2.7060	3800.0	85	31058	No
296	GOM_NL__2PRFIN20080207_192758_000000382065_00443_31058_4111.N1	07-FEB-2008 19:27:58	Straylight	38.000	88	31Eta CMa	2.4480	20000.	76	31058	No
297	GOM_NL__2PRFIN20080207_192942_000000392065_00443_31058_4112.N1	07-FEB-2008 19:29:42	Straylight	39.000	179	24Omi2CMa	3.0320	24000.	78	31058	No
298	GOM_NL__2PRFIN20080207_193727_000000442065_00443_31058_4113.N1	07-FEB-2008 19:37:27	Tw_and_stray	43.500	8	10Alp CMi	0.40000	6500.0	87	31058	No
299	GOM_NL__2PRFIN20080207_194107_000000382065_00443_31058_4114.N1	07-FEB-2008 19:41:07	Bright	38.000	44	24Gam Gem	1.9280	11000.	76	31058	No
300	GOM_NL__2PRFIN20080207_194301_000000392065_00443_31058_4115.N1	07-FEB-2008 19:43:01	Bright	38.500	151	13Mu Gem	2.8900	3000.0	77	31058	No
301	GOM_NL__2PRFIN20080207_194500_000000372065_00443_31058_4116.N1	07-FEB-2008 19:45:00	Bright	37.000	24	66Alp Gem	1.5800	10200.	74	31058	No
302	GOM_NL__2PRFIN20080207_194925_000000372065_00443_31058_4117.N1	07-FEB-2008 19:49:25	Bright	36.500	42	34Bet Aur	1.9000	10200.	73	31058	No
303	GOM_NL__2PRFIN20080207_200118_000000362065_00443_31058_4118.N1	07-FEB-2008 20:01:18	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	31058	No
304	GOM_NL__2PRFIN20080207_200749_000000362065_00443_31058_4119.N1	07-FEB-2008 20:07:49	Bright	36.000	89	5Alp Cep	2.4510	8000.0	72	31058	No
305	GOM_NL__2PRFIN20080207_201231_000000362065_00443_31058_4120.N1	07-FEB-2008 20:12:31	Bright	36.000	69	33Gam Dra	2.2310	3800.0	72	31058	No
306	GOM_NL__2PRFIN20080207_201606_000000362065_00443_31058_4121.N1	07-FEB-2008 20:16:06	Bright	36.000	5	3Alp Lyr	0.033000	11000.	72	31058	No
307	GOM_NL__2PRFIN20080207_202249_000000342065_00443_31058_4122.N1	07-FEB-2008 20:22:49	Bright	33.500	168	17Zet Aql	2.9860	11000.	67	31058	No
308	GOM_NL__2PRFIN20080207_202647_000000392065_00443_31058_4123.N1	07-FEB-2008 20:26:47	Bright	39.000	126	60Bet Oph	2.7700	4250.0	78	31058	No
309	GOM_NL__2PRFIN20080207_203408_000000412065_00443_31058_4124.N1	07-FEB-2008 20:34:08	Twilight	41.000	137	22Lam Sgr	2.8240	4400.0	82	31058	No
310	GOM_NL__2PRFIN20080207_203526_000000422065_00443_31058_4125.N1	07-FEB-2008 20:35:26	Twilight	42.000	116	19Del Sgr	2.7000	4100.0	84	31058	No
311	GOM_NL__2PRFIN20080207_203636_000000392065_00443_31058_4126.N1	07-FEB-2008 20:36:36	Dark	39.000	38	20Eps Sgr	1.8360	11000.	78	31058	No
312	GOM_NL__2PRFIN20080207_203822_000000412065_00443_31058_4127.N1	07-FEB-2008 20:38:22	Dark	41.000	25	35Lam Sco	1.6200	28000.	82	31058	No
313	GOM_NL__2PRFIN20080207_203946_000000442065_00443_31058_4128.N1	07-FEB-2008 20:39:46	Dark	44.000	40	The Sco	1.8590	7100.0	88	31058	No
314	GOM_NL__2PRFIN20080207_204136_000000362065_00443_31058_4129.N1	07-FEB-2008 20:41:36	Dark	36.000	147	Alp Ara	2.8770	26000.	72	31058	No
315	GOM_NL__2PRFIN20080207_204307_000000372065_00443_31058_4130.N1	07-FEB-2008 20:43:07	Dark	37.000	141	Bet Ara	2.8400	4600.0	74	31058	No
316	GOM_NL__2PRFIN20080207_204655_000000402065_00444_31059_4115.N1	07-FEB-2008 20:46:55	Dark	39.500	43	Alp TrA	1.9100	4250.0	79	31059	No
317	GOM_NL__2PRFIN20080207_205324_000000442065_00444_31059_4116.N1	07-FEB-2008 20:53:24	Dark	44.000	12	Alp1Cru	0.77500	30000.	88	31059	No
318	GOM_NL__2PRFIN20080207_205628_000000392065_00444_31059_4117.N1	07-FEB-2008 20:56:28	Dark	39.000	29	Bet Car	1.6720	10200.	78	31059	No
319	GOM_NL__2PRFIN20080207_205857_000000382065_00444_31059_4118.N1	07-FEB-2008 20:58:57	Dark	38.000	71	lot Car	2.2460	7700.0	76	31059	No
320	GOM_NL__2PRFIN20080207_210039_000000422065_00444_31059_4119.N1	07-FEB-2008 21:00:39	Dark	41.500	46	Del Vel	1.9540	10600.	83	31059	No
321	GOM_NL__2PRFIN20080207_210306_000000402065_00444_31059_4120.N1	07-FEB-2008 21:03:06	Straylight	39.500	34	Gam2Vel	1.7930	23000.	79	31059	No
322	GOM_NL__2PRFIN20080207_210511_000000372065_00444_31059_4121.N1	07-FEB-2008 21:05:11	Straylight	37.000	70	Zet Pup	2.2460	39000.	74	31059	No
323	GOM_NL__2PRFIN20080207_210628_000000412065_00444_31059_4122.N1	07-FEB-2008 21:06:28	Straylight	41.000	117	Pi Pup	2.7060	3800.0	82	31059	No
324	GOM_NL__2PRFIN20080207_210834_000000382065_00444_31059_4123.N1	07-FEB-2008 21:08:34	Straylight	38.000	88	31Eta CMa	2.4480	20000.	76	31059	No
325	GOM_NL__2PRFIN20080207_211018_000000352065_00444_31059_4124.N1	07-FEB-2008 21:10:18	Straylight	35.000	179	24Omi2CMa	3.0320	24000.	70	31059	No
326	GOM_NL__2PRFIN20080207_211803_000000462065_00444_31059_4125.N1	07-FEB-2008 21:18:03	Tw_and_stray	45.500	8	10Alp CMi	0.40000	6500.0	91	31059	No
327	GOM_NL__2PRFIN20080207_212143_000000372065_00444_31059_4126.N1	07-FEB-2008 21:21:43	Bright	37.000	44	24Gam Gem	1.9280	11000.	74	31059	No
328	GOM_NL__2PRFIN20080207_212337_000000392065_00444_31059_4127.N1	07-FEB-2008 21:23:37	Bright	38.500	151	13Mu Gem	2.8900	3000.0	77	31059	No
329	GOM_NL__2PRFIN20080207_212536_000000372065_00444_31059_4128.N1	07-FEB-2008 21:25:36	Bright	37.000	24	66Alp Gem	1.5800	10200.	74	31059	No
330	GOM_NL__2PRFIN20080207_213001_000000362065_00444_31059_4129.N1	07-FEB-2008 21:30:01	Bright	36.000	42	34Bet Aur	1.9000	10200.	72	31059	No
331	GOM_NL__2PRFIN20080207_214154_000000362065_00444_31059_4130.N1	07-FEB-2008 21:41:54	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	31059	No
332	GOM_NL__2PRFIN20080207_214825_000000362065_00444_31059_4131.N1	07-FEB-2008 21:48:25	Bright	36.000	89	5Alp Cep	2.4510	8000.0	72	31059	No
333	GOM_NL__2PRFIN20080207_215307_000000352065_00444_31059_4132.N1	07-FEB-2008 21:53:07	Bright	34.500	69	33Gam Dra	2.2310	3800.0	69	31059	No
334	GOM_NL__2PRFIN20080207_215642_000000362065_00444_31059_4133.N1	07-FEB-2008 21:56:42	Bright	36.000	5	3Alp Lyr	0.033000	11000.	72	31059	No
335	GOM_NL__2PRFIN20080207_220325_000000342065_00444_31059_4134.N1	07-FEB-2008 22:03:25	Bright	33.500	168	17Zet Aql	2.9860	11000.	67	31059	No
336	GOM_NL__2PRFIN20080207_220723_000000392065_00444_31059_4135.N1	07-FEB-2008 22:07:23	Bright	38.500	126	60Bet Oph	2.7700	4250.0	77	31059	No
337	GOM_NL__2PRFIN20080207_221444_000000392065_00444_31059_4136.N1	07-FEB-2008 22:14:44	Twilight	39.000	137	22Lam Sgr	2.8240	4400.0	78	31059	No

338	GOM_NL__2PRFIN20080207_221602_000000422065_00444_31059_4137.N1	07-FEB-2008 22:16:02	Twilight	42.000	116	19Del Sgr	2.7000	4100.0	84	31059	No
339	GOM_NL__2PRFIN20080207_221712_000000402065_00444_31059_4138.N1	07-FEB-2008 22:17:12	Dark	39.500	38	20Eps Sgr	1.8360	11000.	79	31059	No
340	GOM_NL__2PRFIN20080207_221858_000000422065_00444_31059_4139.N1	07-FEB-2008 22:18:58	Dark	42.000	25	35Lam Sco	1.6200	28000.	84	31059	No
341	GOM_NL__2PRFIN20080207_222022_000000412065_00444_31059_4140.N1	07-FEB-2008 22:20:22	Dark	41.000	40	The Sco	1.8590	7100.0	82	31059	No
342	GOM_NL__2PRFIN20080207_222212_000000372065_00444_31059_4141.N1	07-FEB-2008 22:22:12	Dark	37.000	147	Alp Ara	2.8770	26000.	74	31059	No
343	GOM_NL__2PRFIN20080207_222344_000000382065_00444_31059_4142.N1	07-FEB-2008 22:23:44	Dark	37.500	141	Bet Ara	2.8400	4600.0	75	31059	No
344	GOM_NL__2PRFIN20080207_222731_000000452065_00445_31060_4138.N1	07-FEB-2008 22:27:31	Dark	45.000	43	Alp TrA	1.9100	4250.0	90	31060	No
345	GOM_NL__2PRFIN20080207_223401_000000442065_00445_31060_4139.N1	07-FEB-2008 22:34:01	Dark	43.500	12	Alp1Cru	0.77500	30000.	87	31060	No
346	GOM_NL__2PRFIN20080207_223704_000000382065_00445_31060_4140.N1	07-FEB-2008 22:37:04	Dark	37.500	29	Bet Car	1.6720	10200.	75	31060	No
347	GOM_NL__2PRFIN20080207_223933_000000382065_00445_31060_4141.N1	07-FEB-2008 22:39:33	Dark	38.000	71	lot Car	2.2460	7700.0	76	31060	No
348	GOM_NL__2PRFIN20080207_224115_000000402065_00445_31060_4142.N1	07-FEB-2008 22:41:15	Dark	40.000	46	Del Vel	1.9540	10600.	80	31060	No
349	GOM_NL__2PRFIN20080207_224342_000000412065_00445_31060_4143.N1	07-FEB-2008 22:43:42	Straylight	40.500	34	Gam2Vel	1.7930	23000.	81	31060	No
350	GOM_NL__2PRFIN20080207_224547_000000392065_00445_31060_4144.N1	07-FEB-2008 22:45:47	Straylight	38.500	70	Zet Pup	2.2460	39000.	77	31060	No
351	GOM_NL__2PRFIN20080207_224704_000000432065_00445_31060_4145.N1	07-FEB-2008 22:47:04	Straylight	43.000	117	Pi Pup	2.7060	3800.0	86	31060	No
352	GOM_NL__2PRFIN20080207_224910_000000392065_00445_31060_4146.N1	07-FEB-2008 22:49:10	Straylight	39.000	88	31Eta CMa	2.4480	20000.	78	31060	No
353	GOM_NL__2PRFIN20080207_225054_000000402065_00445_31060_4147.N1	07-FEB-2008 22:50:54	Straylight	39.500	179	24Omi2CMa	3.0320	24000.	79	31060	No
354	GOM_NL__2PRFIN20080207_225839_000000462065_00445_31060_4148.N1	07-FEB-2008 22:58:39	Twilight	45.500	8	10Alp CMI	0.40000	6500.0	91	31060	No
355	GOM_NL__2PRFIN20080207_230219_000000382065_00445_31060_4149.N1	07-FEB-2008 23:02:19	Bright	37.500	44	24Gam Gem	1.9280	11000.	75	31060	No
356	GOM_NL__2PRFIN20080207_230413_000000392065_00445_31060_4150.N1	07-FEB-2008 23:04:13	Bright	38.500	151	13Mu Gem	2.8900	3000.0	77	31060	No
357	GOM_NL__2PRFIN20080207_230612_000000372065_00445_31060_4151.N1	07-FEB-2008 23:06:12	Bright	37.000	24	66Alp Gem	1.5800	10200.	74	31060	No
358	GOM_NL__2PRFIN20080207_231037_000000352065_00445_31060_4152.N1	07-FEB-2008 23:10:37	Bright	35.000	42	34Bet Aur	1.9000	10200.	70	31060	No
359	GOM_NL__2PRFIN20080207_232230_000000362065_00445_31060_4153.N1	07-FEB-2008 23:22:30	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	31060	No
360	GOM_NL__2PRFIN20080207_232901_000000372065_00445_31060_4154.N1	07-FEB-2008 23:29:01	Bright	36.500	89	5Alp Cep	2.4510	8000.0	73	31060	No
361	GOM_NL__2PRFIN20080207_233343_000000382065_00445_31060_4155.N1	07-FEB-2008 23:33:43	Bright	37.500	69	33Gam Dra	2.2310	3800.0	75	31060	No
362	GOM_NL__2PRFIN20080207_233718_000000372065_00445_31060_4156.N1	07-FEB-2008 23:37:18	Bright	36.500	5	3Alp Lyr	0.033000	11000.	73	31060	No
363	GOM_NL__2PRFIN20080207_234402_000000342065_00445_31060_4157.N1	07-FEB-2008 23:44:02	Bright	34.000	168	17Zet Aql	2.9860	11000.	68	31060	No
364	GOM_NL__2PRFIN20080207_234759_000000572065_00445_31060_4158.N1	07-FEB-2008 23:47:59	Bright	56.500	126	60Bet Oph	2.7700	4250.0	113	31060	No
365	GOM_NL__2PRFIN20080207_235520_000000412065_00445_31060_4159.N1	07-FEB-2008 23:55:20	Twilight	40.500	137	22Lam Sgr	2.8240	4400.0	81	31060	No
366	GOM_NL__2PRFIN20080207_235638_000000412065_00445_31060_4160.N1	07-FEB-2008 23:56:38	Twilight	40.500	116	19Del Sgr	2.7000	4100.0	81	31060	No
367	GOM_NL__2PRFIN20080207_235748_000000372065_00445_31060_4161.N1	07-FEB-2008 23:57:48	Dark	37.000	38	20Eps Sgr	1.8360	11000.	74	31060	No
368	GOM_NL__2PRFIN20080207_235935_000000392065_00445_31060_4162.N1	07-FEB-2008 23:59:35	Dark	38.500	25	35Lam Sco	1.6200	28000.	77	31060	No

3. Quality information per product

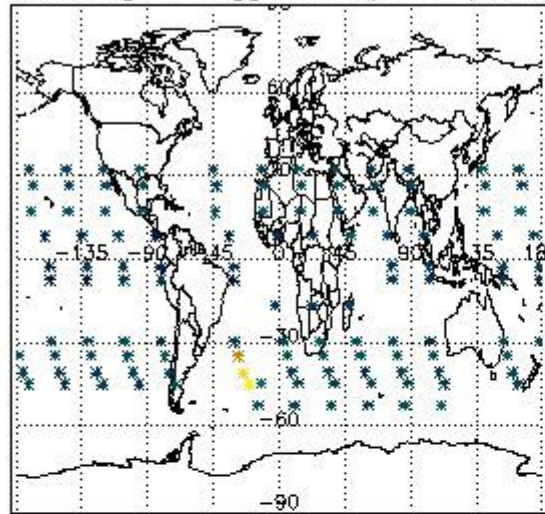
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

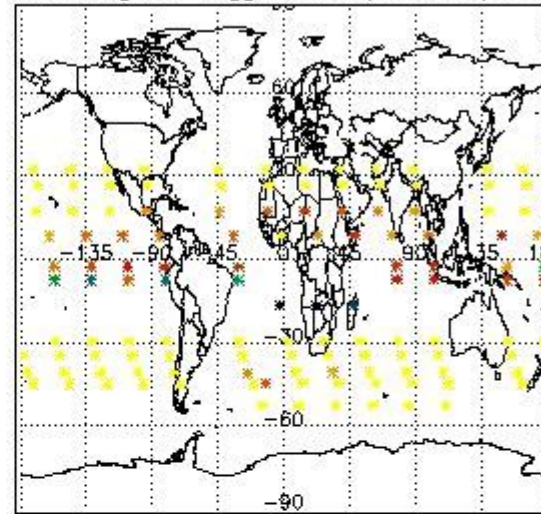


3.2 Plot quality information per product (world map)

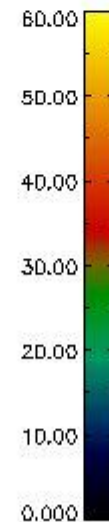
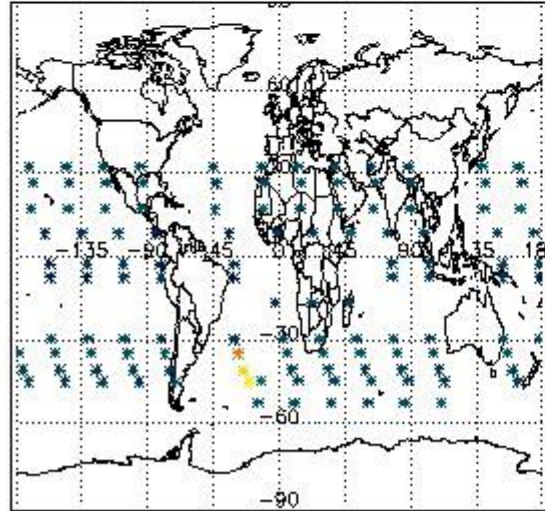
Percentage of flagged data per O3 profile



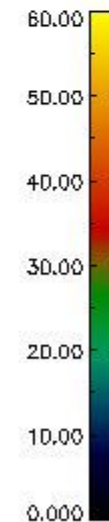
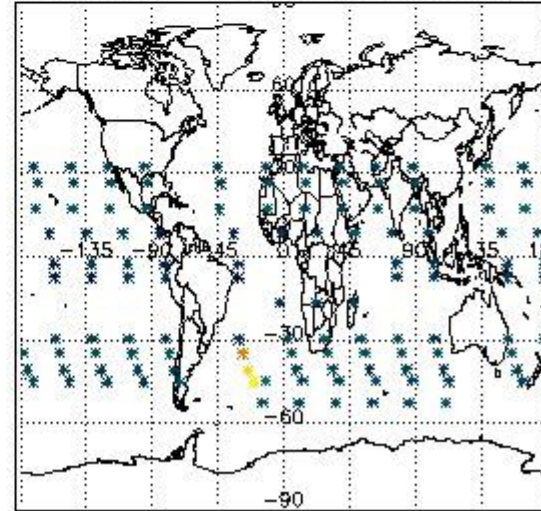
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

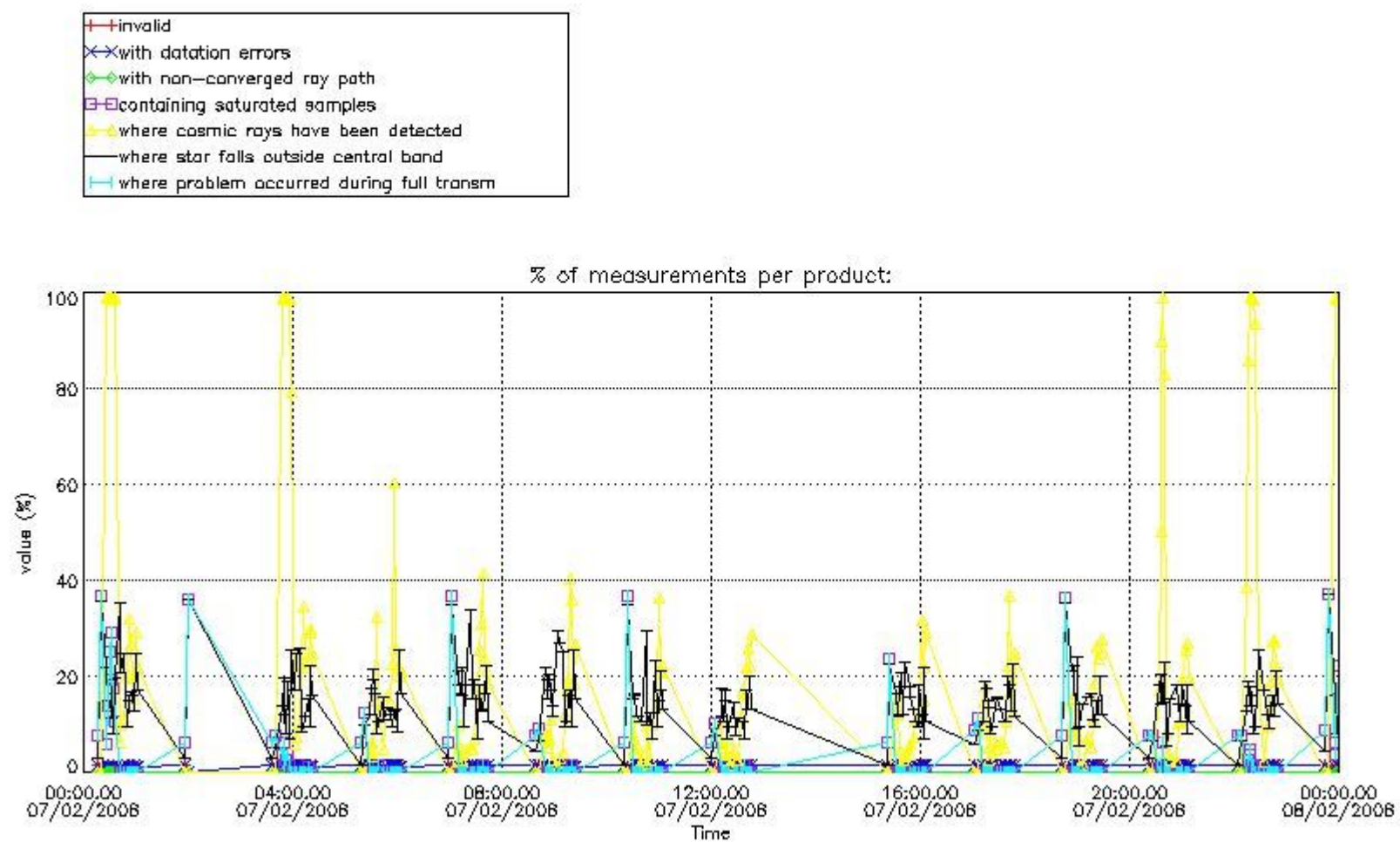


4. Level 1 quality information per product

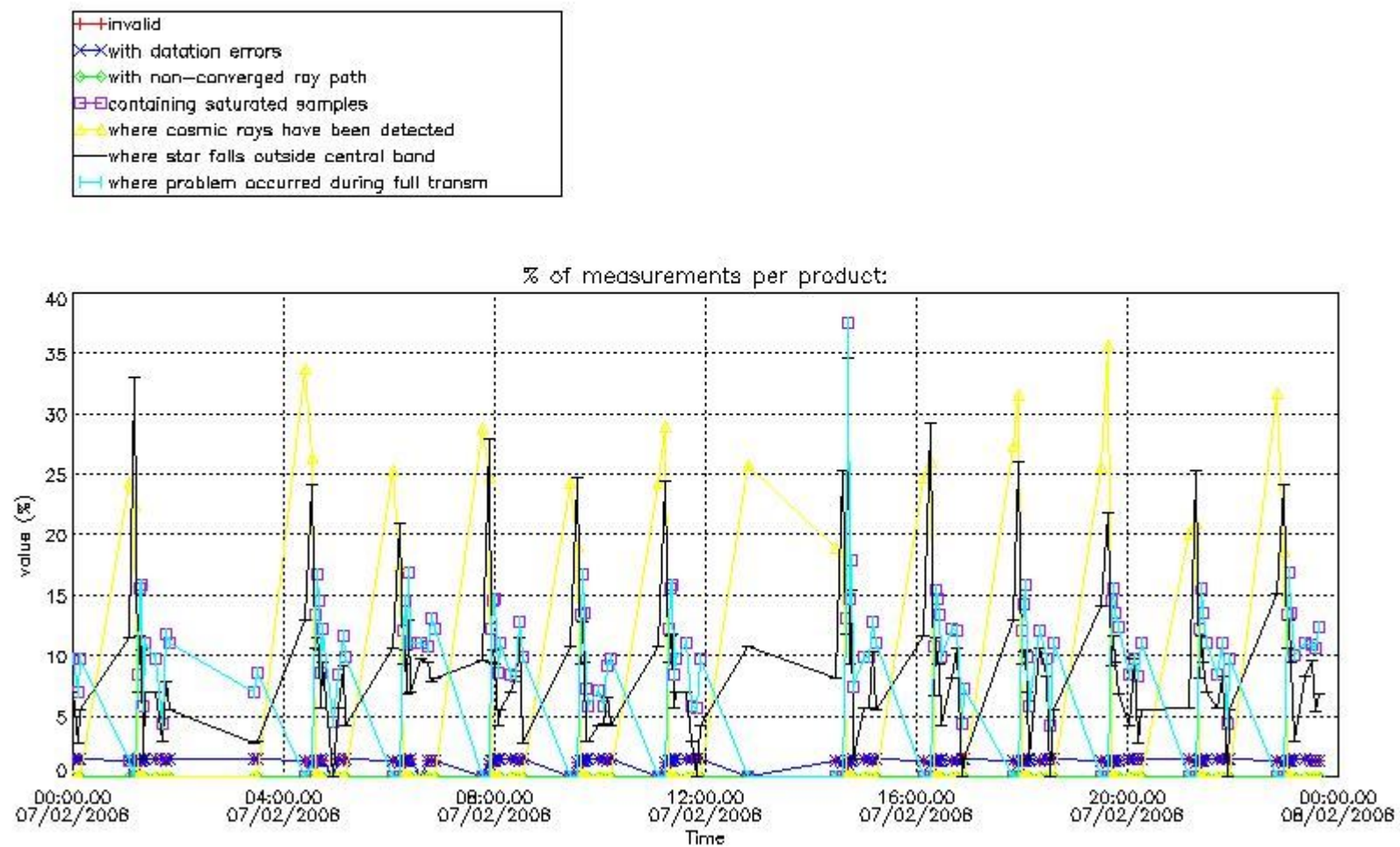
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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

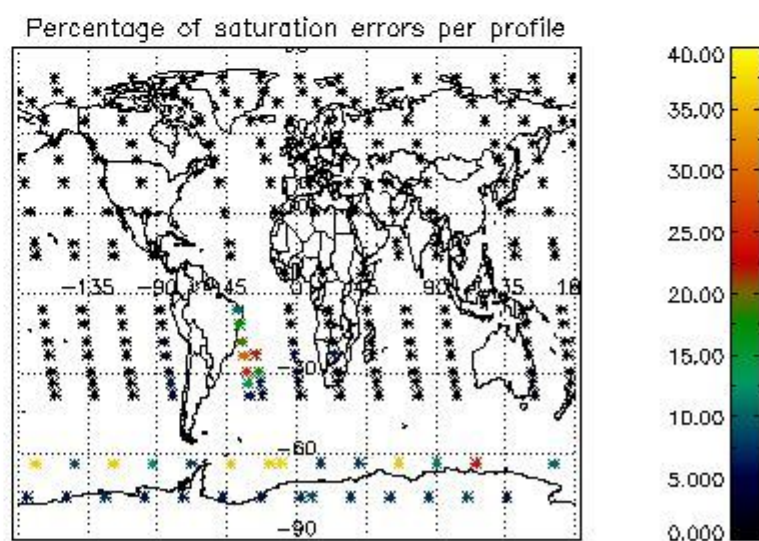
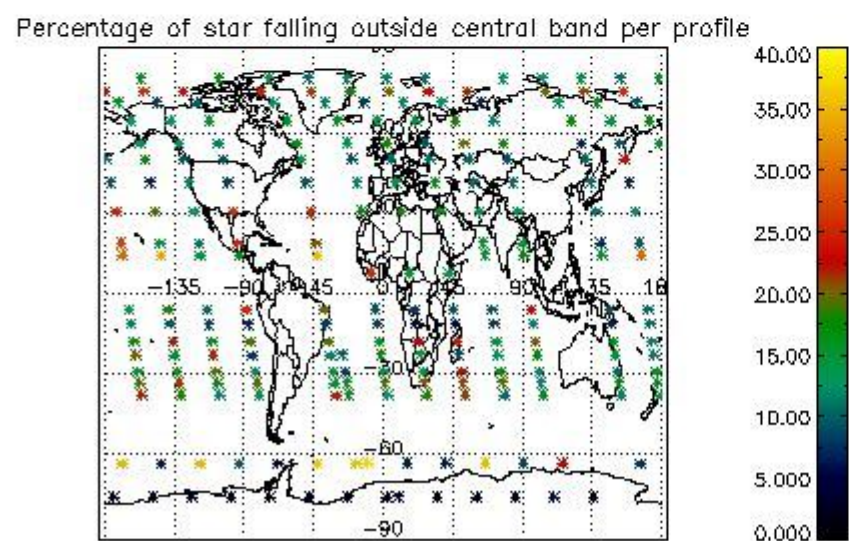
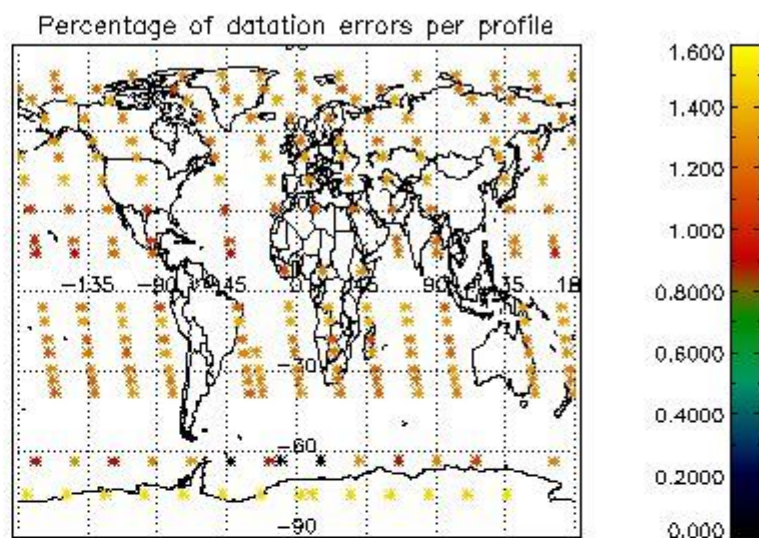
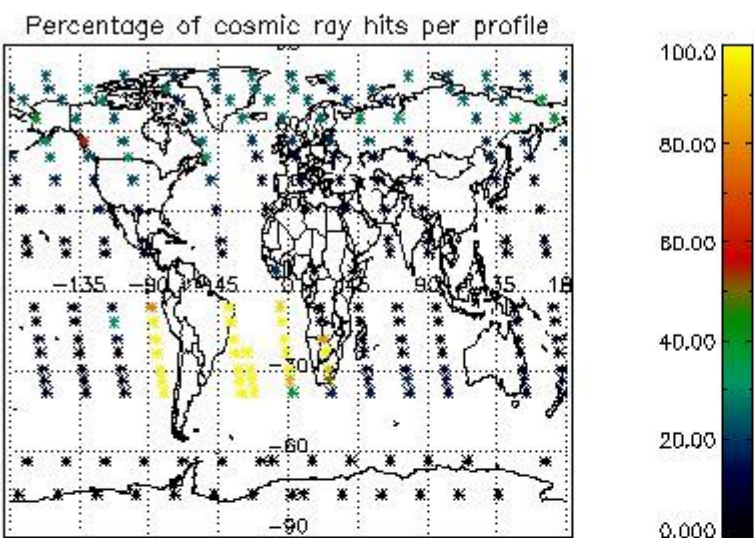


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes

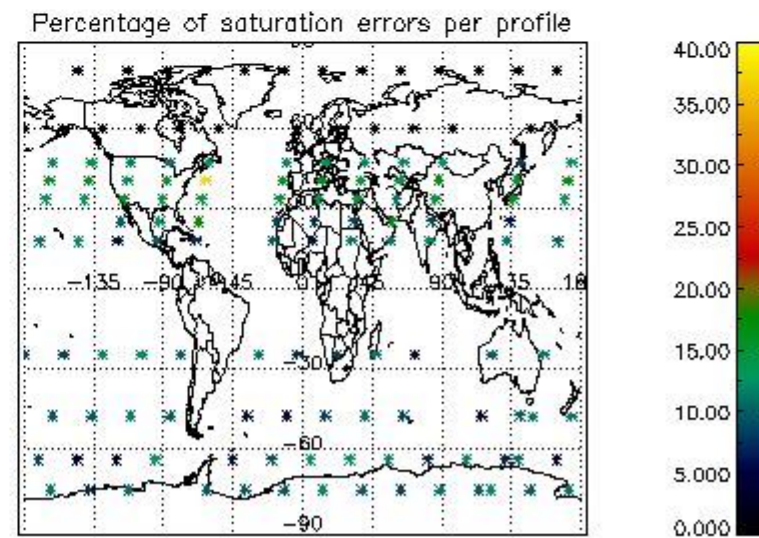
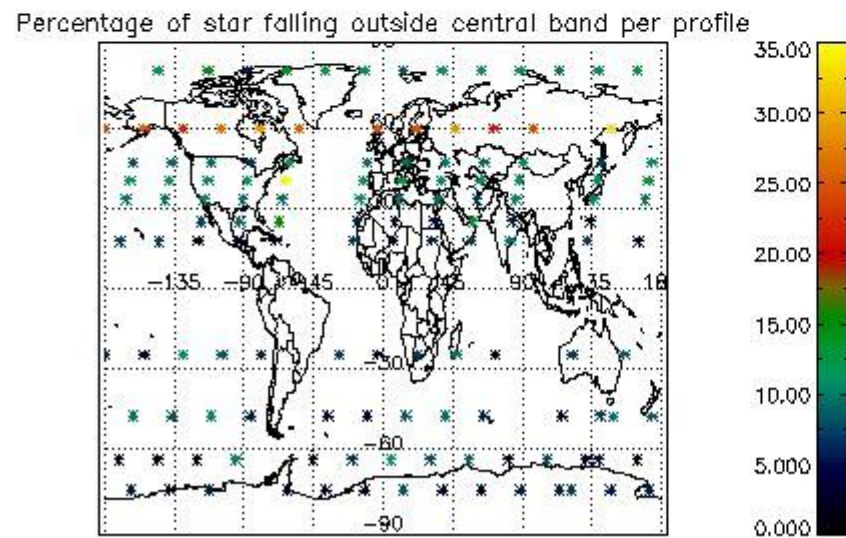
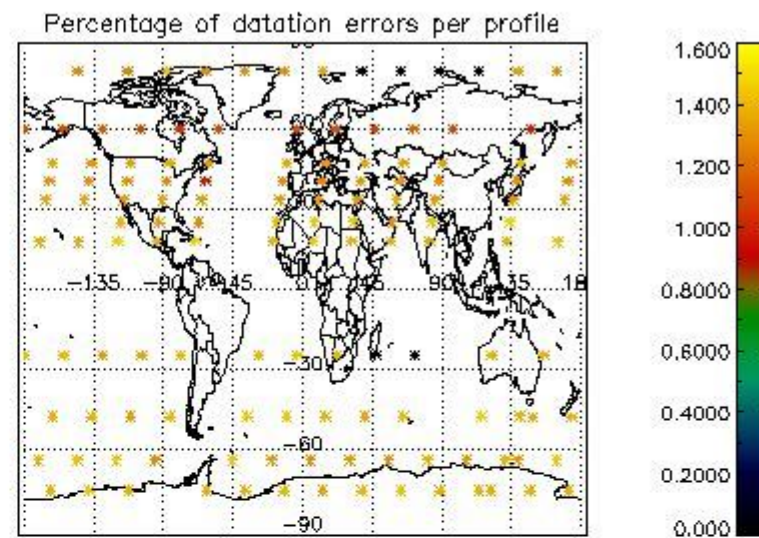
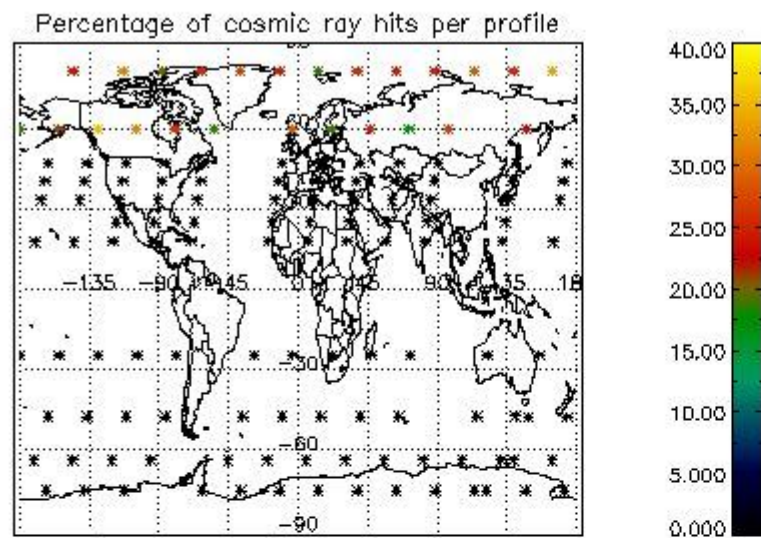


4.2 Plot quality information per product coming from level 1b processing (world map)

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



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



5. Trace gas profiles

5.1 Ozone statistics based on quality of products

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

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

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

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

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

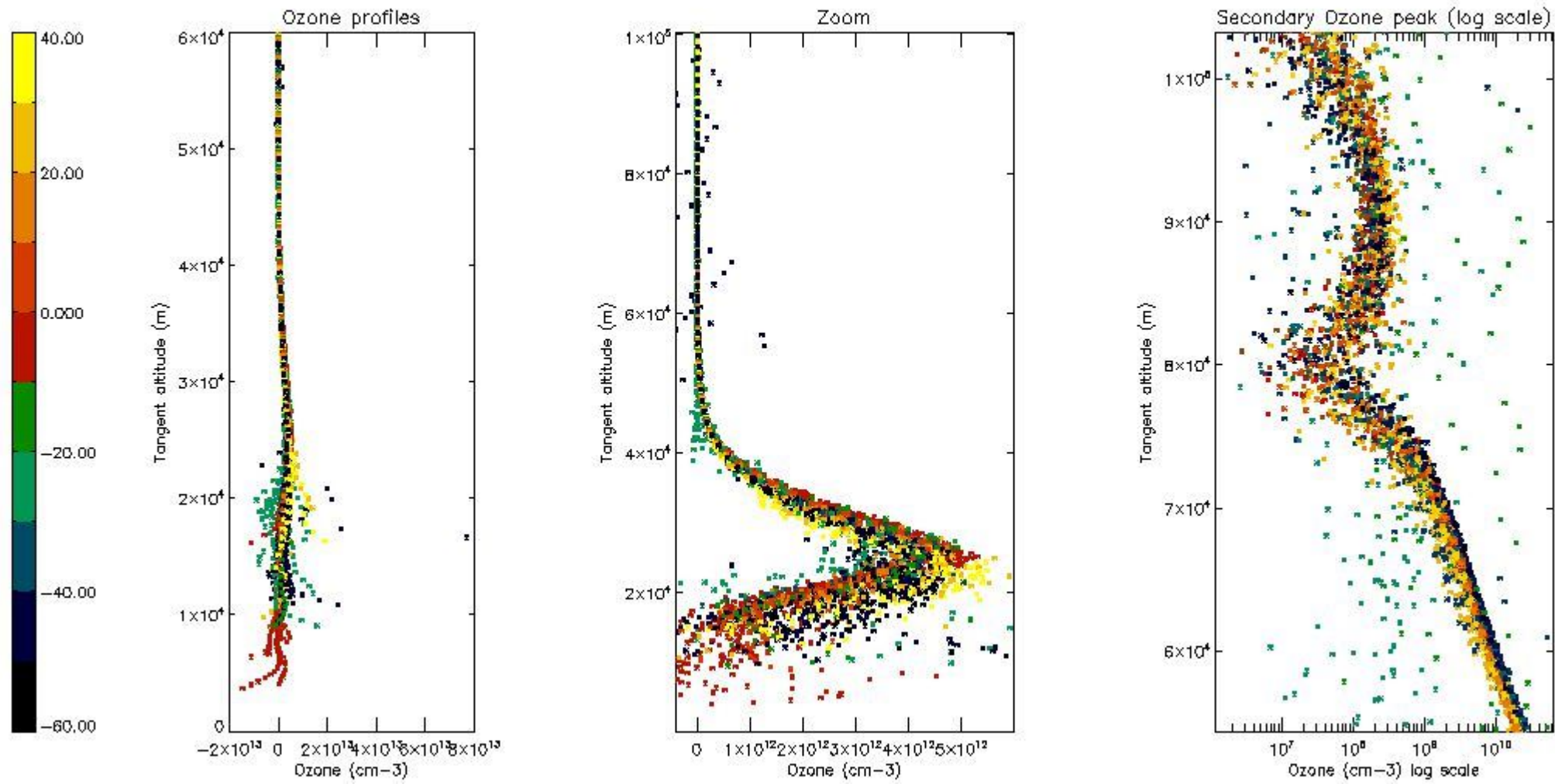
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	35
STD < 20	20

STD < 10	16
STD < 5	10

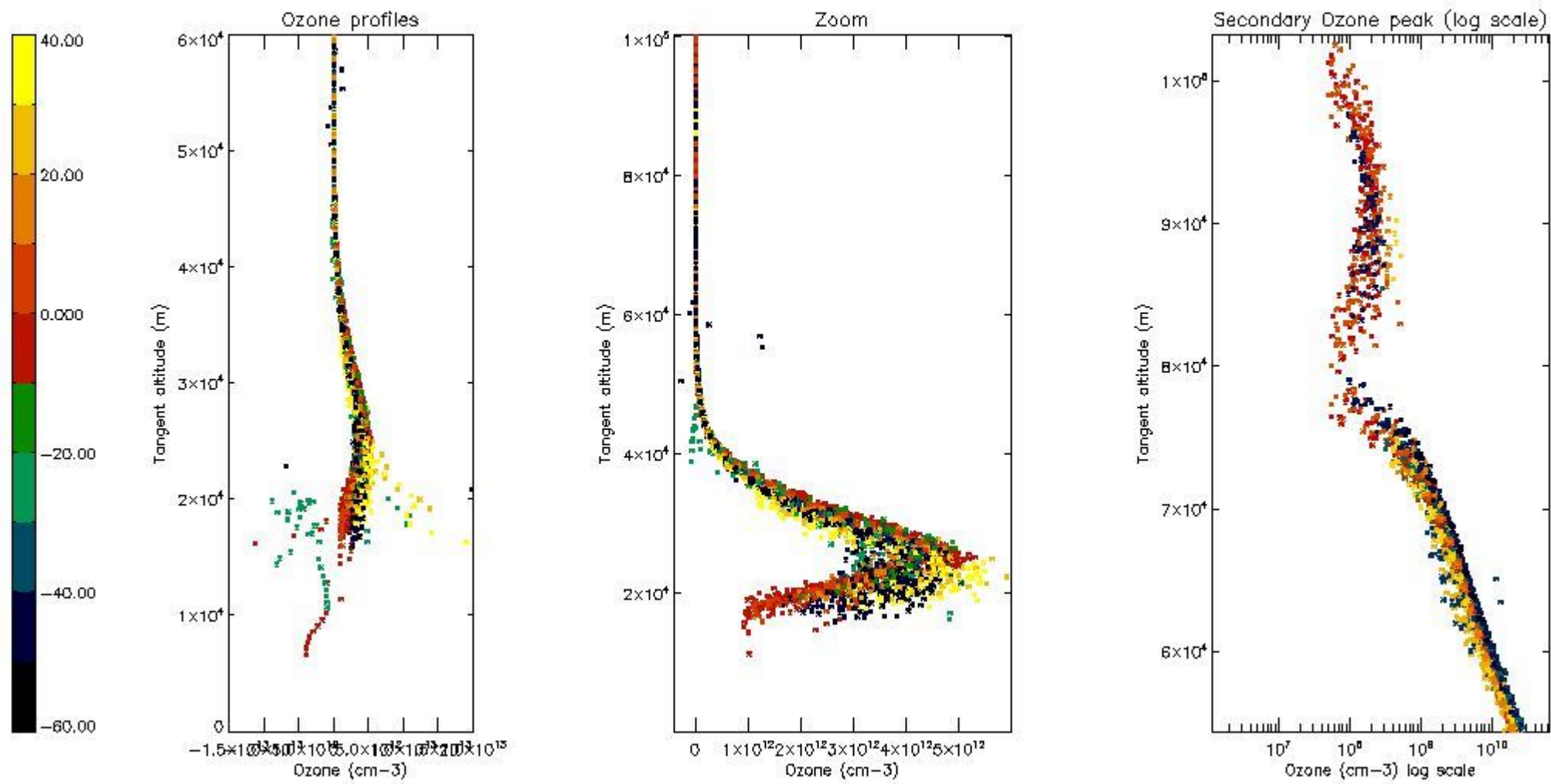
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



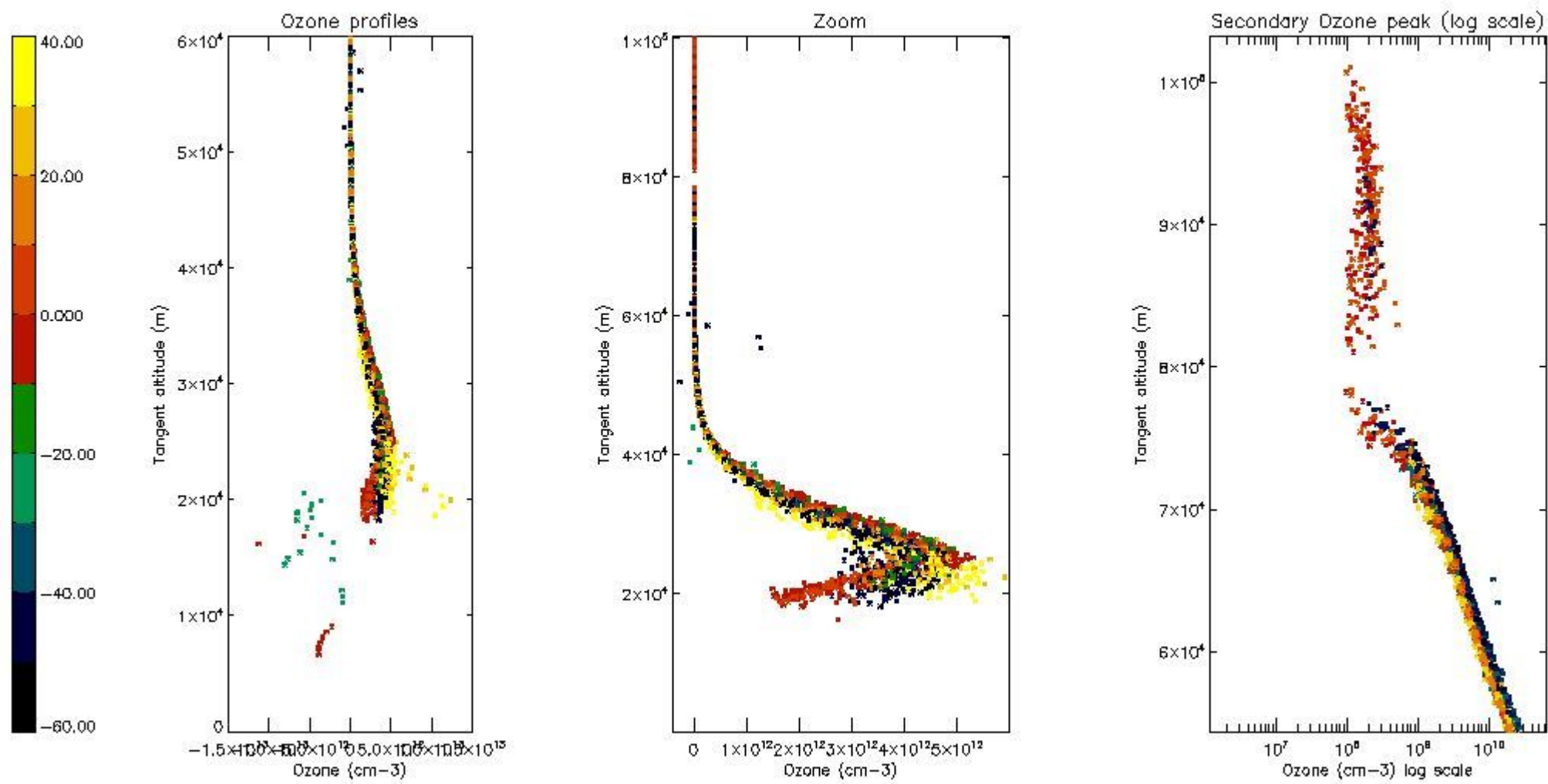
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



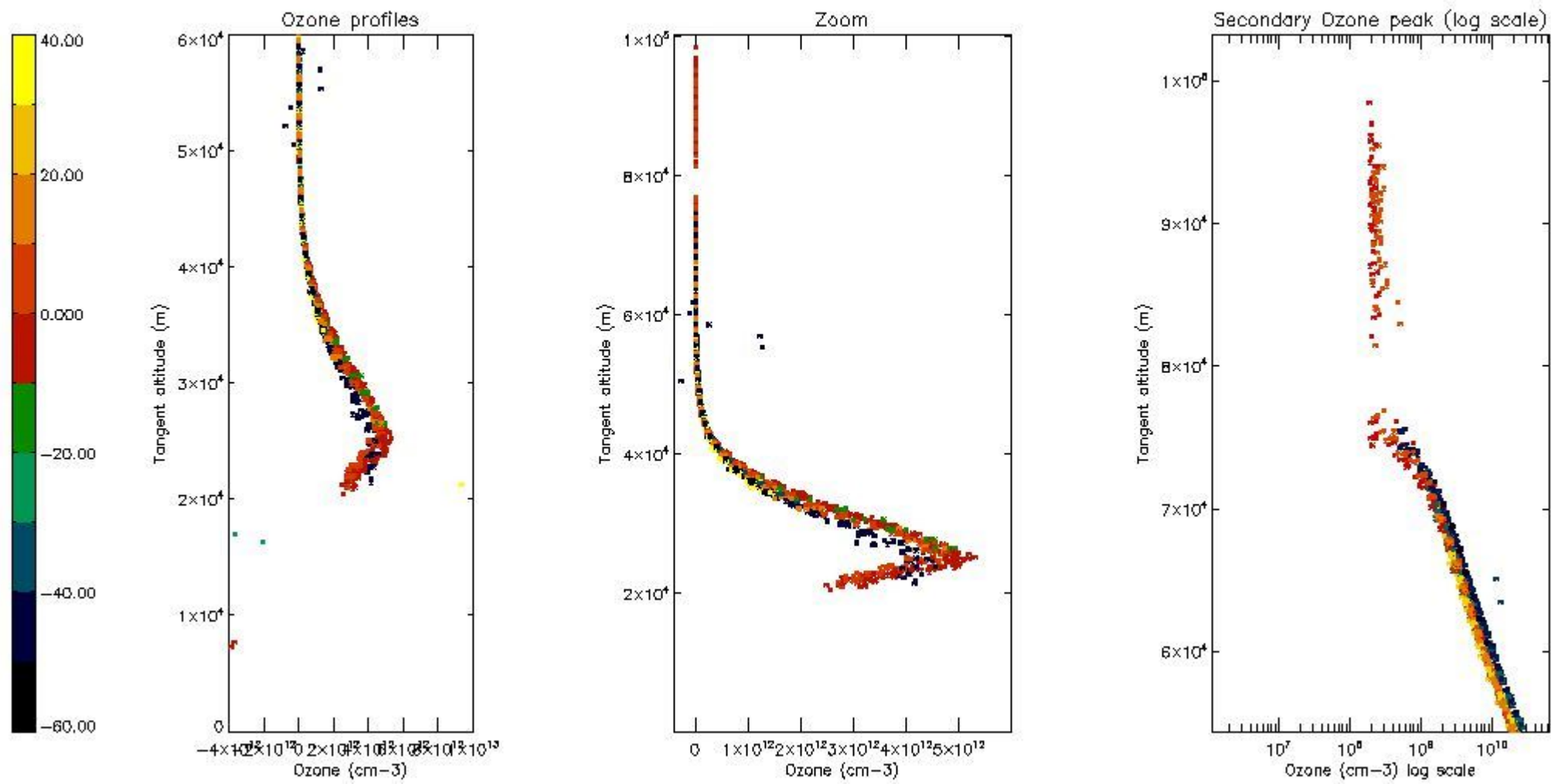
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



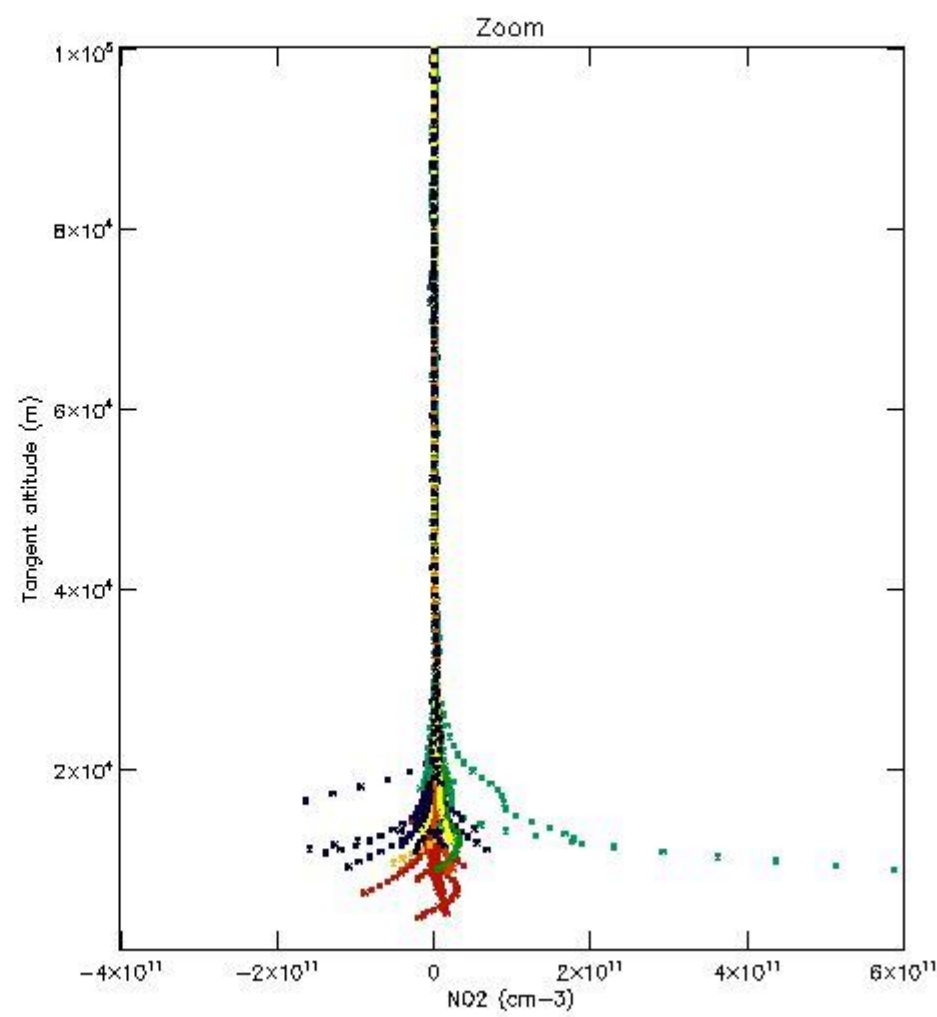
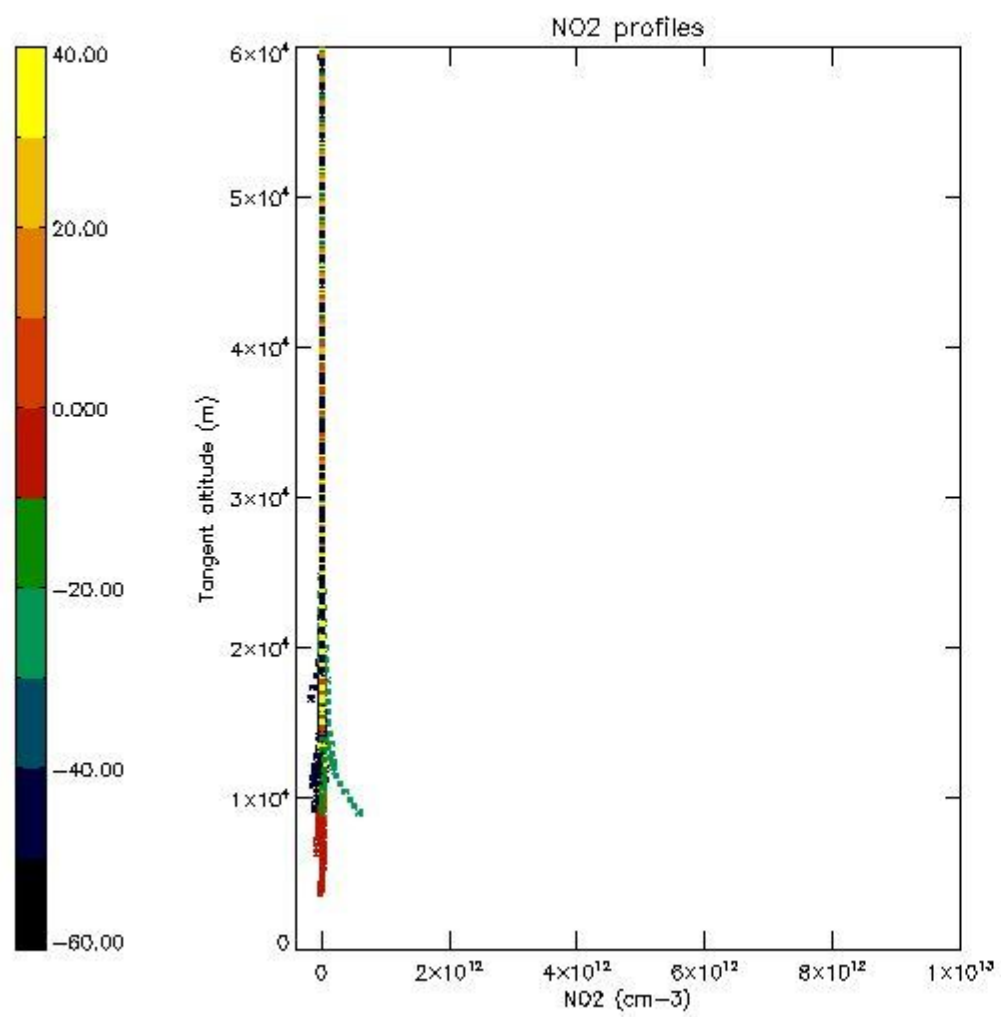
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



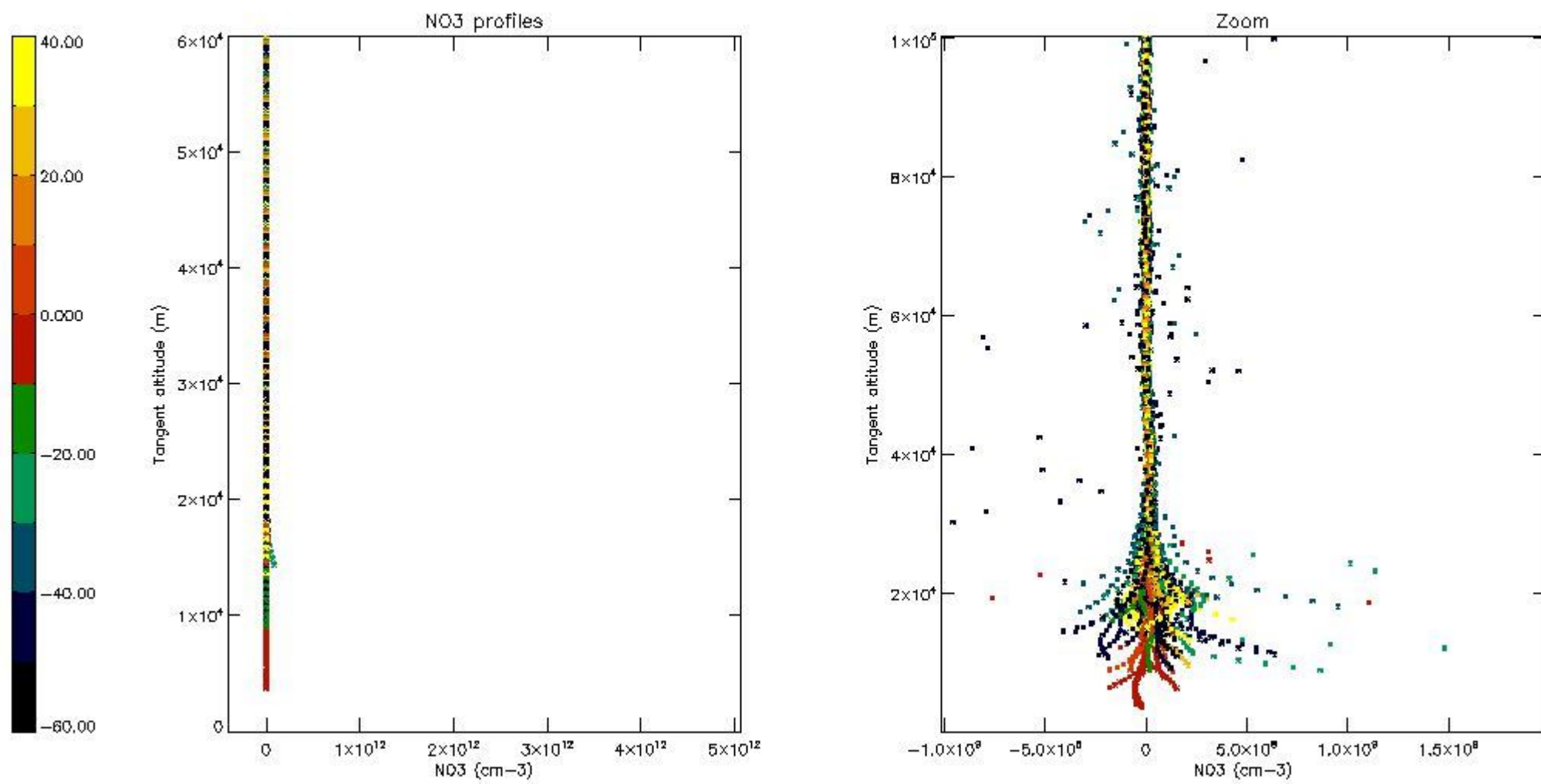
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



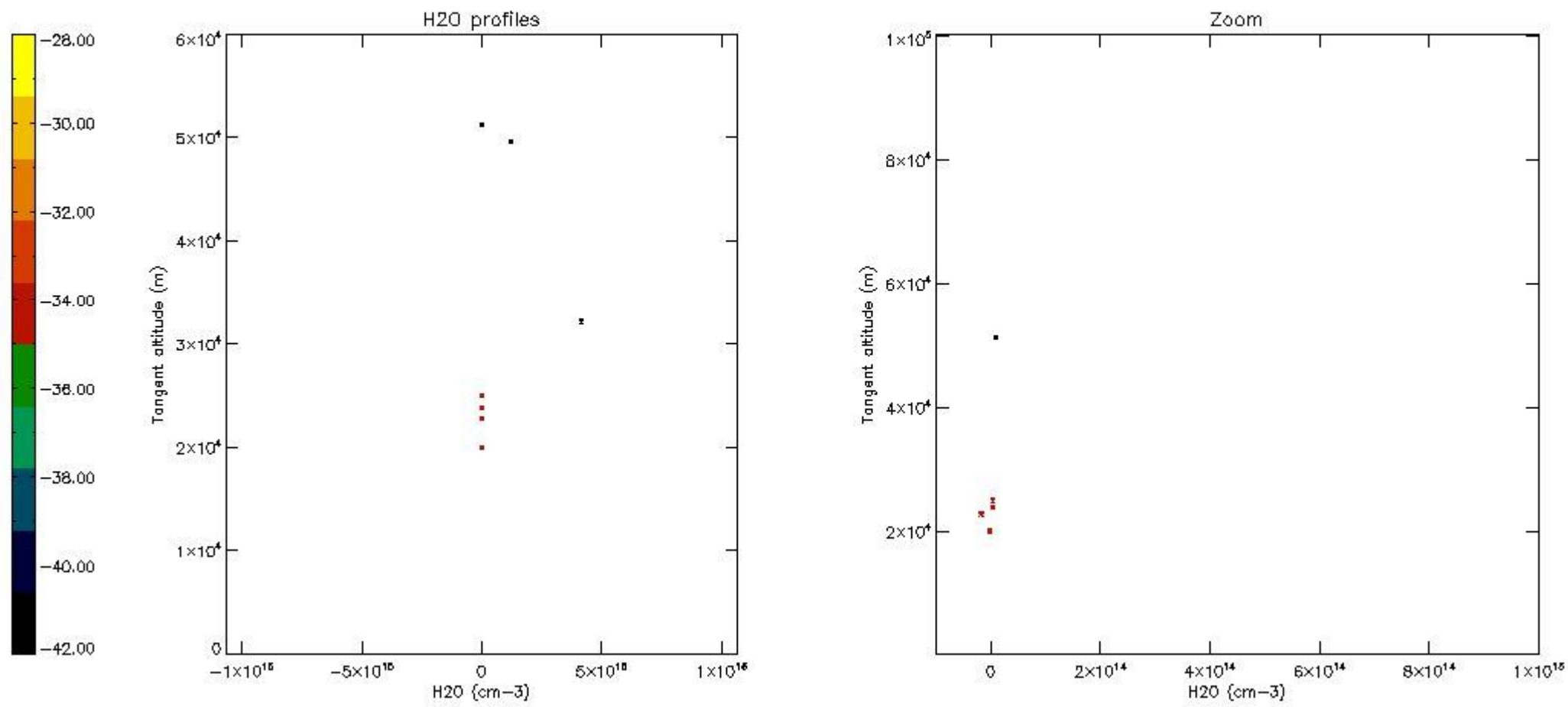
5.7 Plot NO3 profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

The colorbar represents the latitude.



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

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

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	07-FEB-2008 00:00:35
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	07-FEB-2008 00:00:35
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	07-FEB-2008 00:00:35

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	25APR2013 10:10:28
Data source version	GOMOS/6.01
Start time of products	07-02-2008 (07FEB2008 00:00:00)
Stop time of products	08-02-2008 (08FEB2008 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	368
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__2PRFIN20080207_000035_000000362065_00431_31046_3910.N1	07-FEB-2008 00:00:35	Bright	36.000	89	5Alp Cep	2.4510	8000.0	72	31046	No
2	GOM_NL__2PRFIN20080207_000520_000000362065_00431_31046_3911.N1	07-FEB-2008 00:05:20	Bright	36.000	69	33Gam Dra	2.2310	3800.0	72	31046	No
3	GOM_NL__2PRFIN20080207_000853_000000362065_00431_31046_3912.N1	07-FEB-2008 00:08:53	Bright	36.000	5	3Alp Lyr	0.033000	11000.	72	31046	No
4	GOM_NL__2PRFIN20080207_001536_000000342065_00431_31046_3913.N1	07-FEB-2008 00:15:36	Bright	33.500	168	17Zet Aql	2.9860	11000.	67	31046	No
5	GOM_NL__2PRFIN20080207_001931_000000562065_00431_31046_3914.N1	07-FEB-2008 00:19:31	Bright	56.000	126	60Bet Oph	2.7700	4250.0	112	31046	No
6	GOM_NL__2PRFIN20080207_002653_000000442065_00431_31046_3915.N1	07-FEB-2008 00:26:53	Twilight	43.500	137	22Lam Sgr	2.8240	4400.0	87	31046	No
7	GOM_NL__2PRFIN20080207_002811_000000402065_00431_31046_3916.N1	07-FEB-2008 00:28:11	Twilight	40.000	116	19Del Sgr	2.7000	4100.0	80	31046	No
8	GOM_NL__2PRFIN20080207_002922_000000402065_00431_31046_3917.N1	07-FEB-2008 00:29:22	Twilight	40.000	38	20Eps Sgr	1.8360	11000.	80	31046	No
9	GOM_NL__2PRFIN20080207_003106_000000402065_00431_31046_3918.N1	07-FEB-2008 00:31:06	Dark	39.500	25	35Lam Sco	1.6200	28000.	79	31046	No
10	GOM_NL__2PRFIN20080207_003230_000000422065_00431_31046_3919.N1	07-FEB-2008 00:32:30	Dark	41.500	40	The Sco	1.8590	7100.0	83	31046	No
11	GOM_NL__2PRFIN20080207_003421_000000372065_00431_31046_3920.N1	07-FEB-2008 00:34:21	Dark	37.000	147	Alp Ara	2.8770	26000.	74	31046	No
12	GOM_NL__2PRFIN20080207_003552_000000432065_00431_31046_3921.N1	07-FEB-2008 00:35:52	Dark	43.000	141	Bet Ara	2.8400	4600.0	86	31046	No
13	GOM_NL__2PRFIN20080207_004133_000000562065_00432_31047_3914.N1	07-FEB-2008 00:41:33	Dark	55.500	4	Alp1Cen	-0.010000	5800.0	111	31047	No
14	GOM_NL__2PRFIN20080207_004249_000000462065_00432_31047_3915.N1	07-FEB-2008 00:42:49	Dark	46.000	10	Bet Cen	0.61000	28000.	92	31047	No
15	GOM_NL__2PRFIN20080207_004607_000000492065_00432_31047_3916.N1	07-FEB-2008 00:46:07	Dark	48.500	12	Alp1Cru	0.77500	30000.	97	31047	No
16	GOM_NL__2PRFIN20080207_004914_000000372065_00432_31047_3917.N1	07-FEB-2008 00:49:14	Dark	37.000	29	Bet Car	1.6720	10200.	74	31047	No
17	GOM_NL__2PRFIN20080207_005142_000000412065_00432_31047_3918.N1	07-FEB-2008 00:51:42	Dark	40.500	71	lot Car	2.2460	7700.0	81	31047	No
18	GOM_NL__2PRFIN20080207_005324_000000422065_00432_31047_3919.N1	07-FEB-2008 00:53:24	Dark	41.500	46	Del Vel	1.9540	10600.	83	31047	No
19	GOM_NL__2PRFIN20080207_005552_000000412065_00432_31047_3920.N1	07-FEB-2008 00:55:52	Straylight	40.500	34	Gam2Vel	1.7930	23000.	81	31047	No
20	GOM_NL__2PRFIN20080207_005757_000000392065_00432_31047_3921.N1	07-FEB-2008 00:57:57	Straylight	39.000	70	Zet Pup	2.2460	39000.	78	31047	No
21	GOM_NL__2PRFIN20080207_005915_000000452065_00432_31047_3922.N1	07-FEB-2008 00:59:15	Straylight	44.500	117	Pi Pup	2.7060	3800.0	89	31047	No
22	GOM_NL__2PRFIN20080207_010120_000000412065_00432_31047_3923.N1	07-FEB-2008 01:01:20	Straylight	41.000	88	31Eta CMa	2.4480	20000.	82	31047	No
23	GOM_NL__2PRFIN20080207_010304_000000392065_00432_31047_3924.N1	07-FEB-2008 01:03:04	Straylight	39.000	179	24Omi2CMa	3.0320	24000.	78	31047	No
24	GOM_NL__2PRFIN20080207_011050_000000522065_00432_31047_3925.N1	07-FEB-2008 01:10:50	Twilight	51.500	8	10Alp CMi	0.40000	6500.0	103	31047	No
25	GOM_NL__2PRFIN20080207_011429_000000362065_00432_31047_3926.N1	07-FEB-2008 01:14:29	Bright	35.500	44	24Gam Gem	1.9280	11000.	71	31047	No
26	GOM_NL__2PRFIN20080207_011622_000000392065_00432_31047_3927.N1	07-FEB-2008 01:16:22	Bright	38.500	151	13Mu Gem	2.8900	3000.0	77	31047	No
27	GOM_NL__2PRFIN20080207_011825_000000382065_00432_31047_3928.N1	07-FEB-2008 01:18:25	Bright	38.000	24	66Alp Gem	1.5800	10200.	76	31047	No
28	GOM_NL__2PRFIN20080207_012044_000000342065_00432_31047_3929.N1	07-FEB-2008 01:20:44	Bright	34.000	107	37The Aur	2.6490	11000.	68	31047	No
29	GOM_NL__2PRFIN20080207_012246_000000362065_00432_31047_3930.N1	07-FEB-2008 01:22:46	Bright	36.000	42	34Bet Aur	1.9000	10200.	72	31047	No
30	GOM_NL__2PRFIN20080207_013443_000000362065_00432_31047_3931.N1	07-FEB-2008 01:34:43	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	31047	No
31	GOM_NL__2PRFIN20080207_014111_000000342065_00432_31047_3932.N1	07-FEB-2008 01:41:11	Bright	34.000	89	5Alp Cep	2.4510	8000.0	68	31047	No
32	GOM_NL__2PRFIN20080207_014556_000000382065_00432_31047_3933.N1	07-FEB-2008 01:45:56	Bright	38.000	69	33Gam Dra	2.2310	3800.0	76	31047	No
33	GOM_NL__2PRFIN20080207_014929_000000362065_00432_31047_3934.N1	07-FEB-2008 01:49:29	Bright	36.000	5	3Alp Lyr	0.033000	11000.	72	31047	No
34	GOM_NL__2PRFIN20080207_015612_000000332065_00432_31047_3935.N1	07-FEB-2008 01:56:12	Bright	33.000	168	17Zet Aql	2.9860	11000.	66	31047	No
35	GOM_NL__2PRFIN20080207_020007_000000562065_00432_31047_3936.N1	07-FEB-2008 02:00:07	Bright	55.500	126	60Bet Oph	2.7700	4250.0	111	31047	No
36	GOM_NL__2PRFIN20080207_032632_000000362065_00433_31048_3928.N1	07-FEB-2008 03:26:32	Bright	36.000	69	33Gam Dra	2.2310	3800.0	72	31048	No
37	GOM_NL__2PRFIN20080207_033005_000000352065_00433_31048_3929.N1	07-FEB-2008 03:30:05	Bright	35.000	5	3Alp Lyr	0.033000	11000.	70	31048	No
38	GOM_NL__2PRFIN20080207_033648_000000332065_00433_31048_3930.N1	07-FEB-2008 03:36:48	Bright	33.000	168	17Zet Aql	2.9860	11000.	66	31048	No
39	GOM_NL__2PRFIN20080207_034043_000000392065_00433_31048_3931.N1	07-FEB-2008 03:40:43	Bright	38.500	126	60Bet Oph	2.7700	4250.0	77	31048	No
40	GOM_NL__2PRFIN20080207_034806_000000402065_00433_31048_3932.N1	07-FEB-2008 03:48:06	Twilight	39.500	137	22Lam Sgr	2.8240	4400.0	79	31048	No
41	GOM_NL__2PRFIN20080207_034924_000000412065_00433_31048_3933.N1	07-FEB-2008 03:49:24	Twilight	41.000	116	19Del Sgr	2.7000	4100.0	82	31048	No
42	GOM_NL__2PRFIN20080207_035034_000000382065_00433_31048_3934.N1	07-FEB-2008 03:50:34	Twilight	38.000	38	20Eps Sgr	1.8360	11000.	76	31048	No

43	GOM_NL__2PRFIN20080207_035218_000000382065_00433_31048_3935.N1	07-FEB-2008 03:52:18	Dark	37.500	25	35Lam Sco	1.6200	28000.	75	31048	No
44	GOM_NL__2PRFIN20080207_035343_000000422065_00433_31048_3936.N1	07-FEB-2008 03:53:43	Dark	42.000	40	The Sco	1.8590	7100.0	84	31048	No
45	GOM_NL__2PRFIN20080207_035533_000000372065_00433_31048_3937.N1	07-FEB-2008 03:55:33	Dark	36.500	147	Alp Ara	2.8770	26000.	73	31048	No
46	GOM_NL__2PRFIN20080207_035705_000000462065_00433_31048_3938.N1	07-FEB-2008 03:57:05	Dark	45.500	141	Bet Ara	2.8400	4600.0	91	31048	No
47	GOM_NL__2PRFIN20080207_040246_000000442065_00434_31049_3942.N1	07-FEB-2008 04:02:46	Dark	43.500	4	Alp1Cen	-0.010000	5800.0	87	31049	No
48	GOM_NL__2PRFIN20080207_040402_000000492065_00434_31049_3943.N1	07-FEB-2008 04:04:02	Dark	48.500	10	Bet Cen	0.61000	28000.	97	31049	No
49	GOM_NL__2PRFIN20080207_040720_000000492065_00434_31049_3944.N1	07-FEB-2008 04:07:20	Dark	48.500	12	Alp1Cru	0.77500	30000.	97	31049	No
50	GOM_NL__2PRFIN20080207_041026_000000372065_00434_31049_3945.N1	07-FEB-2008 04:10:26	Dark	36.500	29	Bet Car	1.6720	10200.	73	31049	No
51	GOM_NL__2PRFIN20080207_041255_000000382065_00434_31049_3946.N1	07-FEB-2008 04:12:55	Dark	37.500	71	lot Car	2.2460	7700.0	75	31049	No
52	GOM_NL__2PRFIN20080207_041437_000000392065_00434_31049_3947.N1	07-FEB-2008 04:14:37	Dark	38.500	46	Del Vel	1.9540	10600.	77	31049	No
53	GOM_NL__2PRFIN20080207_041705_000000402065_00434_31049_3948.N1	07-FEB-2008 04:17:05	Straylight	39.500	34	Gam2Vel	1.7930	23000.	79	31049	No
54	GOM_NL__2PRFIN20080207_041909_000000372065_00434_31049_3949.N1	07-FEB-2008 04:19:09	Straylight	37.000	70	Zet Pup	2.2460	39000.	74	31049	No
55	GOM_NL__2PRFIN20080207_042028_000000432065_00434_31049_3950.N1	07-FEB-2008 04:20:28	Straylight	43.000	117	Pi Pup	2.7060	3800.0	86	31049	No
56	GOM_NL__2PRFIN20080207_042233_000000412065_00434_31049_3951.N1	07-FEB-2008 04:22:33	Straylight	40.500	88	31Eta CMa	2.4480	20000.	81	31049	No
57	GOM_NL__2PRFIN20080207_042417_000000392065_00434_31049_3952.N1	07-FEB-2008 04:24:17	Straylight	38.500	179	24Omi2CMa	3.0320	24000.	77	31049	No
58	GOM_NL__2PRFIN20080207_043203_000000462065_00434_31049_3953.N1	07-FEB-2008 04:32:03	Tw_i_and_stray	45.500	8	10Alp CMI	0.40000	6500.0	91	31049	No
59	GOM_NL__2PRFIN20080207_043541_000000382065_00434_31049_3954.N1	07-FEB-2008 04:35:41	Bright	37.500	44	24Gam Gem	1.9280	11000.	75	31049	No
60	GOM_NL__2PRFIN20080207_043735_000000392065_00434_31049_3955.N1	07-FEB-2008 04:37:35	Bright	39.000	151	13Mu Gem	2.8900	3000.0	78	31049	No
61	GOM_NL__2PRFIN20080207_043937_000000382065_00434_31049_3956.N1	07-FEB-2008 04:39:37	Bright	38.000	24	66Alp Gem	1.5800	10200.	76	31049	No
62	GOM_NL__2PRFIN20080207_044157_000000352065_00434_31049_3957.N1	07-FEB-2008 04:41:57	Bright	35.000	107	37The Aur	2.6490	11000.	70	31049	No
63	GOM_NL__2PRFIN20080207_044359_000000372065_00434_31049_3958.N1	07-FEB-2008 04:43:59	Bright	37.000	42	34Bet Aur	1.9000	10200.	74	31049	No
64	GOM_NL__2PRFIN20080207_045555_000000332065_00434_31049_3959.N1	07-FEB-2008 04:55:55	Bright	33.000	49	1Alp UMi	1.9900	6300.0	66	31049	No
65	GOM_NL__2PRFIN20080207_050223_000000362065_00434_31049_3960.N1	07-FEB-2008 05:02:23	Bright	35.500	89	5Alp Cep	2.4510	8000.0	71	31049	No
66	GOM_NL__2PRFIN20080207_050708_000000392065_00434_31049_3961.N1	07-FEB-2008 05:07:08	Bright	38.500	69	33Gam Dra	2.2310	3800.0	77	31049	No
67	GOM_NL__2PRFIN20080207_051041_000000362065_00434_31049_3962.N1	07-FEB-2008 05:10:41	Bright	35.500	5	3Alp Lyr	0.033000	11000.	71	31049	No
68	GOM_NL__2PRFIN20080207_051725_000000332065_00434_31049_3963.N1	07-FEB-2008 05:17:25	Bright	33.000	168	17Zet Aql	2.9860	11000.	66	31049	No
69	GOM_NL__2PRFIN20080207_052120_000000412065_00434_31049_3964.N1	07-FEB-2008 05:21:20	Bright	40.500	126	60Bet Oph	2.7700	4250.0	81	31049	No
70	GOM_NL__2PRFIN20080207_052842_000000382065_00434_31049_3965.N1	07-FEB-2008 05:28:42	Twilight	38.000	137	22Lam Sgr	2.8240	4400.0	76	31049	No
71	GOM_NL__2PRFIN20080207_053000_000000412065_00434_31049_3966.N1	07-FEB-2008 05:30:00	Twilight	40.500	116	19Del Sgr	2.7000	4100.0	81	31049	No
72	GOM_NL__2PRFIN20080207_053110_000000422065_00434_31049_3967.N1	07-FEB-2008 05:31:10	Twilight	41.500	38	20Eps Sgr	1.8360	11000.	83	31049	No
73	GOM_NL__2PRFIN20080207_053255_000000442065_00434_31049_3968.N1	07-FEB-2008 05:32:55	Dark	44.000	25	35Lam Sco	1.6200	28000.	88	31049	No
74	GOM_NL__2PRFIN20080207_053419_000000402065_00434_31049_3969.N1	07-FEB-2008 05:34:19	Dark	40.000	40	The Sco	1.8590	7100.0	80	31049	No
75	GOM_NL__2PRFIN20080207_053610_000000372065_00434_31049_3970.N1	07-FEB-2008 05:36:10	Dark	37.000	147	Alp Ara	2.8770	26000.	74	31049	No
76	GOM_NL__2PRFIN20080207_053741_000000382065_00434_31049_3971.N1	07-FEB-2008 05:37:41	Dark	38.000	141	Bet Ara	2.8400	4600.0	76	31049	No
77	GOM_NL__2PRFIN20080207_054323_000000422065_00435_31050_3958.N1	07-FEB-2008 05:43:23	Dark	42.000	4	Alp1Cen	-0.010000	5800.0	84	31050	No
78	GOM_NL__2PRFIN20080207_054438_000000422065_00435_31050_3959.N1	07-FEB-2008 05:44:38	Dark	41.500	10	Bet Cen	0.61000	28000.	83	31050	No
79	GOM_NL__2PRFIN20080207_054756_000000412065_00435_31050_3960.N1	07-FEB-2008 05:47:56	Dark	41.000	12	Alp1Cru	0.77500	30000.	82	31050	No
80	GOM_NL__2PRFIN20080207_055103_000000382065_00435_31050_3961.N1	07-FEB-2008 05:51:03	Dark	38.000	29	Bet Car	1.6720	10200.	76	31050	No
81	GOM_NL__2PRFIN20080207_055331_000000382065_00435_31050_3962.N1	07-FEB-2008 05:53:31	Dark	37.500	71	lot Car	2.2460	7700.0	75	31050	No
82	GOM_NL__2PRFIN20080207_055513_000000392065_00435_31050_3963.N1	07-FEB-2008 05:55:13	Dark	39.000	46	Del Vel	1.9540	10600.	78	31050	No
83	GOM_NL__2PRFIN20080207_055741_000000392065_00435_31050_3964.N1	07-FEB-2008 05:57:41	Straylight	38.500	34	Gam2Vel	1.7930	23000.	77	31050	No
84	GOM_NL__2PRFIN20080207_055945_000000372065_00435_31050_3965.N1	07-FEB-2008 05:59:45	Straylight	36.500	70	Zet Pup	2.2460	39000.	73	31050	No
85	GOM_NL__2PRFIN20080207_060104_000000452065_00435_31050_3966.N1	07-FEB-2008 06:01:04	Straylight	45.000	117	Pi Pup	2.7060	3800.0	90	31050	No
86	GOM_NL__2PRFIN20080207_060309_000000402065_00435_31050_3967.N1	07-FEB-2008 06:03:09	Straylight	40.000	88	31Eta CMa	2.4480	20000.	80	31050	No
87	GOM_NL__2PRFIN20080207_060453_000000382065_00435_31050_3968.N1	07-FEB-2008 06:04:53	Straylight	37.500	179	24Omi2CMa	3.0320	24000.	75	31050	No
88	GOM_NL__2PRFIN20080207_061239_000000432065_00435_31050_3969.N1	07-FEB-2008 06:12:39	Tw_i_and_stray	43.000	8	10Alp CMI	0.40000	6500.0	86	31050	No
89	GOM_NL__2PRFIN20080207_061618_000000382065_00435_31050_3970.N1	07-FEB-2008 06:16:18	Bright	37.500	44	24Gam Gem	1.9280	11000.	75	31050	No
90	GOM_NL__2PRFIN20080207_061811_000000382065_00435_31050_3971.N1	07-FEB-2008 06:18:11	Bright	38.000	151	13Mu Gem	2.8900	3000.0	76	31050	No
91	GOM_NL__2PRFIN20080207_062013_000000372065_00435_31050_3972.N1	07-FEB-2008 06:20:13	Bright	36.500	24	66Alp Gem	1.5800	10200.	73	31050	No
92	GOM_NL__2PRFIN20080207_062233_000000392065_00435_31050_3973.N1	07-FEB-2008 06:22:33	Bright	38.500	107	37The Aur	2.6490	11000.	77	31050	No
93	GOM_NL__2PRFIN20080207_062435_000000362065_00435_31050_3974.N1	07-FEB-2008 06:24:35	Bright	36.000	42	34Bet Aur	1.9000	10200.	72	31050	No
94	GOM_NL__2PRFIN20080207_063631_000000362065_00435_31050_3975.N1	07-FEB-2008 06:36:31	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	31050	No
95	GOM_NL__2PRFIN20080207_064300_000000372065_00435_31050_3976.N1	07-FEB-2008 06:43:00	Bright	37.000	89	5Alp Cep	2.4510	8000.0	74	31050	No
96	GOM_NL__2PRFIN20080207_064744_000000382065_00435_31050_3977.N1	07-FEB-2008 06:47:44	Bright	38.000	69	33Gam Dra	2.2310	3800.0	76	31050	No
97	GOM_NL__2PRFIN20080207_065118_000000372065_00435_31050_3978.N1	07-FEB-2008 06:51:18	Bright	37.000	5	3Alp Lyr	0.033000	11000.	74	31050	No
98	GOM_NL__2PRFIN20080207_065801_000000332065_00435_31050_3979.N1	07-FEB-2008 06:58:01	Bright	33.000	168	17Zet Aql	2.9860	11000.	66	31050	No
99	GOM_NL__2PRFIN20080207_070156_000000562065_00435_31050_3980.N1	07-FEB-2008 07:01:56	Bright	56.000	126	60Bet Oph	2.7700	4250.0	112	31050	No
100	GOM_NL__2PRFIN20080207_070918_000000412065_00435_31050_3981.N1	07-FEB-2008 07:09:18	Twilight	41.000	137	22Lam Sgr	2.8240	4400.0	82	31050	No
101	GOM_NL__2PRFIN20080207_071036_000000432065_00435_31050_3982.N1	07-FEB-2008 07:10:36	Twilight	42.500	116	19Del Sgr	2.7000	4100.0	85	31050	No

102	GOM_NL_2PRFIN20080207_071147_000000402065_00435_31050_3983.N1	07-FEB-2008 07:11:47	Twilight	40.000	38	20Eps Sgr	1.8360	11000.	80	31050	No
103	GOM_NL_2PRFIN20080207_071331_000000412065_00435_31050_3984.N1	07-FEB-2008 07:13:31	Dark	41.000	25	35Lam Sco	1.6200	28000.	82	31050	No
104	GOM_NL_2PRFIN20080207_071455_000000442065_00435_31050_3985.N1	07-FEB-2008 07:14:55	Dark	43.500	40	The Sco	1.8590	7100.0	87	31050	No
105	GOM_NL_2PRFIN20080207_071646_000000382065_00435_31050_3986.N1	07-FEB-2008 07:16:46	Dark	37.500	147	Alp Ara	2.8770	26000.	75	31050	No
106	GOM_NL_2PRFIN20080207_071817_000000412065_00435_31050_3987.N1	07-FEB-2008 07:18:17	Dark	41.000	141	Bet Ara	2.8400	4600.0	82	31050	No
107	GOM_NL_2PRFIN20080207_072359_000000552065_00436_31051_3983.N1	07-FEB-2008 07:23:59	Dark	54.500	4	Alp1Cen	-0.010000	5800.0	109	31051	No
108	GOM_NL_2PRFIN20080207_072515_000000432065_00436_31051_3984.N1	07-FEB-2008 07:25:15	Dark	43.000	10	Bet Cen	0.61000	28000.	86	31051	No
109	GOM_NL_2PRFIN20080207_072833_000000452065_00436_31051_3985.N1	07-FEB-2008 07:28:33	Dark	44.500	12	Alp1Cru	0.77500	30000.	89	31051	No
110	GOM_NL_2PRFIN20080207_073139_000000362065_00436_31051_3986.N1	07-FEB-2008 07:31:39	Dark	36.000	29	Bet Car	1.6720	10200.	72	31051	No
111	GOM_NL_2PRFIN20080207_073407_000000422065_00436_31051_3987.N1	07-FEB-2008 07:34:07	Dark	41.500	71	lot Car	2.2460	7700.0	83	31051	No
112	GOM_NL_2PRFIN20080207_073549_000000392065_00436_31051_3988.N1	07-FEB-2008 07:35:49	Dark	39.000	46	Del Vel	1.9540	10600.	78	31051	No
113	GOM_NL_2PRFIN20080207_073817_000000392065_00436_31051_3989.N1	07-FEB-2008 07:38:17	Straylight	38.500	34	Gam2Vel	1.7930	23000.	77	31051	No
114	GOM_NL_2PRFIN20080207_074022_000000402065_00436_31051_3990.N1	07-FEB-2008 07:40:22	Straylight	40.000	70	Zet Pup	2.2460	39000.	80	31051	No
115	GOM_NL_2PRFIN20080207_074140_000000432065_00436_31051_3991.N1	07-FEB-2008 07:41:40	Straylight	43.000	117	Pi Pup	2.7060	3800.0	86	31051	No
116	GOM_NL_2PRFIN20080207_074345_000000382065_00436_31051_3992.N1	07-FEB-2008 07:43:45	Straylight	37.500	88	31Eta CMa	2.4480	20000.	75	31051	No
117	GOM_NL_2PRFIN20080207_074529_000000372065_00436_31051_3993.N1	07-FEB-2008 07:45:29	Straylight	36.500	179	24Omi2CMa	3.0320	24000.	73	31051	No
118	GOM_NL_2PRFIN20080207_075315_000000472065_00436_31051_3994.N1	07-FEB-2008 07:53:15	Twilight	46.500	8	10Alp Cmi	0.40000	6500.0	93	31051	No
119	GOM_NL_2PRFIN20080207_075654_000000372065_00436_31051_3995.N1	07-FEB-2008 07:56:54	Bright	37.000	44	24Gam Gem	1.9280	11000.	74	31051	No
120	GOM_NL_2PRFIN20080207_075847_000000382065_00436_31051_3996.N1	07-FEB-2008 07:58:47	Bright	38.000	151	13Mu Gem	2.8900	3000.0	76	31051	No
121	GOM_NL_2PRFIN20080207_080049_000000382065_00436_31051_3997.N1	07-FEB-2008 08:00:49	Bright	37.500	24	66Alp Gem	1.5800	10200.	75	31051	No
122	GOM_NL_2PRFIN20080207_080309_000000352065_00436_31051_3998.N1	07-FEB-2008 08:03:09	Bright	35.000	107	37The Aur	2.6490	11000.	70	31051	No
123	GOM_NL_2PRFIN20080207_080511_000000362065_00436_31051_3999.N1	07-FEB-2008 08:05:11	Bright	36.000	42	34Bet Aur	1.9000	10200.	72	31051	No
124	GOM_NL_2PRFIN20080207_081707_000000362065_00436_31051_4000.N1	07-FEB-2008 08:17:07	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	31051	No
125	GOM_NL_2PRFIN20080207_082336_000000362065_00436_31051_4001.N1	07-FEB-2008 08:23:36	Bright	36.000	89	5Alp Cep	2.4510	8000.0	72	31051	No
126	GOM_NL_2PRFIN20080207_082820_000000392065_00436_31051_4002.N1	07-FEB-2008 08:28:20	Bright	39.000	69	33Gam Dra	2.2310	3800.0	78	31051	No
127	GOM_NL_2PRFIN20080207_083154_000000362065_00436_31051_4003.N1	07-FEB-2008 08:31:54	Bright	35.500	5	3Alp Lyr	0.033000	11000.	71	31051	No
128	GOM_NL_2PRFIN20080207_083837_000000342065_00436_31051_4004.N1	07-FEB-2008 08:38:37	Bright	33.500	168	17Zet Aql	2.9860	11000.	67	31051	No
129	GOM_NL_2PRFIN20080207_084233_000000392065_00436_31051_4005.N1	07-FEB-2008 08:42:33	Bright	39.000	126	60Bet Oph	2.7700	4250.0	78	31051	No
130	GOM_NL_2PRFIN20080207_084954_000000442065_00436_31051_4006.N1	07-FEB-2008 08:49:54	Twilight	43.500	137	22Lam Sgr	2.8240	4400.0	87	31051	No
131	GOM_NL_2PRFIN20080207_085112_000000422065_00436_31051_4007.N1	07-FEB-2008 08:51:12	Twilight	41.500	116	19Del Sgr	2.7000	4100.0	83	31051	No
132	GOM_NL_2PRFIN20080207_085223_000000402065_00436_31051_4008.N1	07-FEB-2008 08:52:23	Twilight	39.500	38	20Eps Sgr	1.8360	11000.	79	31051	No
133	GOM_NL_2PRFIN20080207_085408_000000442065_00436_31051_4009.N1	07-FEB-2008 08:54:08	Dark	44.000	25	35Lam Sco	1.6200	28000.	88	31051	No
134	GOM_NL_2PRFIN20080207_085532_000000412065_00436_31051_4010.N1	07-FEB-2008 08:55:32	Dark	41.000	40	The Sco	1.8590	7100.0	82	31051	No
135	GOM_NL_2PRFIN20080207_085722_000000392065_00436_31051_4011.N1	07-FEB-2008 08:57:22	Dark	38.500	147	Alp Ara	2.8770	26000.	77	31051	No
136	GOM_NL_2PRFIN20080207_085854_000000402065_00436_31051_4012.N1	07-FEB-2008 08:58:54	Dark	39.500	141	Bet Ara	2.8400	4600.0	79	31051	No
137	GOM_NL_2PRFIN20080207_090436_000000512065_00437_31052_3997.N1	07-FEB-2008 09:04:36	Dark	51.000	4	Alp1Cen	-0.010000	5800.0	102	31052	No
138	GOM_NL_2PRFIN20080207_090551_000000502065_00437_31052_3998.N1	07-FEB-2008 09:05:51	Dark	50.000	10	Bet Cen	0.61000	28000.	100	31052	No
139	GOM_NL_2PRFIN20080207_090909_000000482065_00437_31052_3999.N1	07-FEB-2008 09:09:09	Dark	48.000	12	Alp1Cru	0.77500	30000.	96	31052	No
140	GOM_NL_2PRFIN20080207_091215_000000372065_00437_31052_4000.N1	07-FEB-2008 09:12:15	Dark	37.000	29	Bet Car	1.6720	10200.	74	31052	No
141	GOM_NL_2PRFIN20080207_091443_000000382065_00437_31052_4001.N1	07-FEB-2008 09:14:43	Dark	37.500	71	lot Car	2.2460	7700.0	75	31052	No
142	GOM_NL_2PRFIN20080207_091625_000000412065_00437_31052_4002.N1	07-FEB-2008 09:16:25	Dark	40.500	46	Del Vel	1.9540	10600.	81	31052	No
143	GOM_NL_2PRFIN20080207_091853_000000412065_00437_31052_4003.N1	07-FEB-2008 09:18:53	Straylight	41.000	34	Gam2Vel	1.7930	23000.	82	31052	No
144	GOM_NL_2PRFIN20080207_092058_000000382065_00437_31052_4004.N1	07-FEB-2008 09:20:58	Straylight	37.500	70	Zet Pup	2.2460	39000.	75	31052	No
145	GOM_NL_2PRFIN20080207_092216_000000462065_00437_31052_4005.N1	07-FEB-2008 09:22:16	Straylight	45.500	117	Pi Pup	2.7060	3800.0	91	31052	No
146	GOM_NL_2PRFIN20080207_092421_000000402065_00437_31052_4006.N1	07-FEB-2008 09:24:21	Straylight	39.500	88	31Eta CMa	2.4480	20000.	79	31052	No
147	GOM_NL_2PRFIN20080207_092605_000000372065_00437_31052_4007.N1	07-FEB-2008 09:26:05	Straylight	37.000	179	24Omi2CMa	3.0320	24000.	74	31052	No
148	GOM_NL_2PRFIN20080207_093351_000000452065_00437_31052_4008.N1	07-FEB-2008 09:33:51	Twilight	44.500	8	10Alp Cmi	0.40000	6500.0	89	31052	No
149	GOM_NL_2PRFIN20080207_093730_000000382065_00437_31052_4009.N1	07-FEB-2008 09:37:30	Bright	37.500	44	24Gam Gem	1.9280	11000.	75	31052	No
150	GOM_NL_2PRFIN20080207_093924_000000392065_00437_31052_4010.N1	07-FEB-2008 09:39:24	Bright	39.000	151	13Mu Gem	2.8900	3000.0	78	31052	No
151	GOM_NL_2PRFIN20080207_094125_000000372065_00437_31052_4011.N1	07-FEB-2008 09:41:25	Bright	37.000	24	66Alp Gem	1.5800	10200.	74	31052	No
152	GOM_NL_2PRFIN20080207_094345_000000352065_00437_31052_4012.N1	07-FEB-2008 09:43:45	Bright	34.500	107	37The Aur	2.6490	11000.	69	31052	No
153	GOM_NL_2PRFIN20080207_094547_000000352065_00437_31052_4013.N1	07-FEB-2008 09:45:47	Bright	34.500	42	34Bet Aur	1.9000	10200.	69	31052	No
154	GOM_NL_2PRFIN20080207_095743_000000352065_00437_31052_4014.N1	07-FEB-2008 09:57:43	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	31052	No
155	GOM_NL_2PRFIN20080207_100412_000000352065_00437_31052_4015.N1	07-FEB-2008 10:04:12	Bright	34.500	89	5Alp Cep	2.4510	8000.0	69	31052	No
156	GOM_NL_2PRFIN20080207_100856_000000382065_00437_31052_4016.N1	07-FEB-2008 10:08:56	Bright	38.000	69	33Gam Dra	2.2310	3800.0	76	31052	No
157	GOM_NL_2PRFIN20080207_101230_000000362065_00437_31052_4017.N1	07-FEB-2008 10:12:30	Bright	36.000	5	3Alp Lyr	0.033000	11000.	72	31052	No
158	GOM_NL_2PRFIN20080207_101913_000000332065_00437_31052_4018.N1	07-FEB-2008 10:19:13	Bright	33.000	168	17Zet Aql	2.9860	11000.	66	31052	No
159	GOM_NL_2PRFIN20080207_102309_000000562065_00437_31052_4019.N1	07-FEB-2008 10:23:09	Bright	56.000	126	60Bet Oph	2.7700	4250.0	112	31052	No
160	GOM_NL_2PRFIN20080207_103030_000000402065_00437_31052_4020.N1	07-FEB-2008 10:30:30	Twilight	39.500	137	22Lam Sgr	2.8240	4400.0	79	31052	No

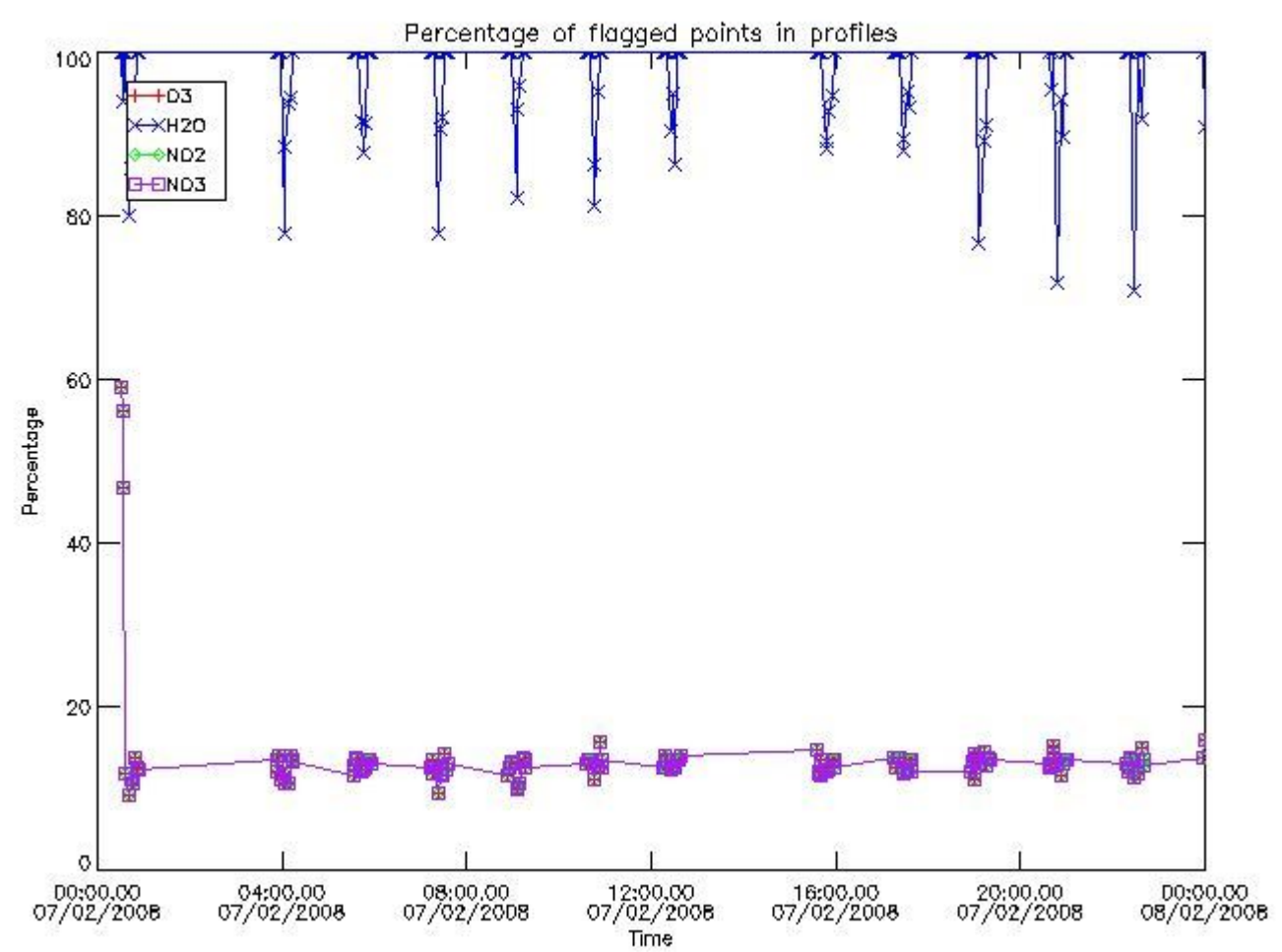
161	GOM_NL__2PRFIN20080207_103148_000000412065_00437_31052_4021.N1	07-FEB-2008 10:31:48	Twilight	40.500	116	19Del Sgr	2.7000	4100.0	81	31052	No
162	GOM_NL__2PRFIN20080207_103259_000000402065_00437_31052_4022.N1	07-FEB-2008 10:32:59	Twilight	40.000	38	20Eps Sgr	1.8360	11000.	80	31052	No
163	GOM_NL__2PRFIN20080207_103444_000000392065_00437_31052_4023.N1	07-FEB-2008 10:34:44	Dark	39.000	25	35Lam Sco	1.6200	28000.	78	31052	No
164	GOM_NL__2PRFIN20080207_103608_000000392065_00437_31052_4024.N1	07-FEB-2008 10:36:08	Dark	39.000	40	The Sco	1.8590	7100.0	78	31052	No
165	GOM_NL__2PRFIN20080207_103759_000000382065_00437_31052_4025.N1	07-FEB-2008 10:37:59	Dark	37.500	147	Alp Ara	2.8770	26000.	75	31052	No
166	GOM_NL__2PRFIN20080207_103930_000000382065_00437_31052_4026.N1	07-FEB-2008 10:39:30	Dark	37.500	141	Bet Ara	2.8400	4600.0	75	31052	No
167	GOM_NL__2PRFIN20080207_104512_000000512065_00438_31053_4016.N1	07-FEB-2008 10:45:12	Dark	51.000	4	Alp1Cen	-0.010000	5800.0	102	31053	No
168	GOM_NL__2PRFIN20080207_104628_000000412065_00438_31053_4017.N1	07-FEB-2008 10:46:28	Dark	40.500	10	Bet Cen	0.61000	28000.	81	31053	No
169	GOM_NL__2PRFIN20080207_104945_000000412065_00438_31053_4018.N1	07-FEB-2008 10:49:45	Dark	41.000	12	Alp1Cru	0.77500	30000.	82	31053	No
170	GOM_NL__2PRFIN20080207_105251_000000362065_00438_31053_4019.N1	07-FEB-2008 10:52:51	Dark	36.000	29	Bet Car	1.6720	10200.	72	31053	No
171	GOM_NL__2PRFIN20080207_105520_000000452065_00438_31053_4020.N1	07-FEB-2008 10:55:20	Dark	45.000	71	lot Car	2.2460	7700.0	90	31053	No
172	GOM_NL__2PRFIN20080207_105702_000000382065_00438_31053_4021.N1	07-FEB-2008 10:57:02	Dark	37.500	46	Del Vel	1.9540	10600.	75	31053	No
173	GOM_NL__2PRFIN20080207_105929_000000402065_00438_31053_4022.N1	07-FEB-2008 10:59:29	Straylight	40.000	34	Gam2Vel	1.7930	23000.	80	31053	No
174	GOM_NL__2PRFIN20080207_110134_000000412065_00438_31053_4023.N1	07-FEB-2008 11:01:34	Straylight	41.000	70	Zet Pup	2.2460	39000.	82	31053	No
175	GOM_NL__2PRFIN20080207_110252_000000432065_00438_31053_4024.N1	07-FEB-2008 11:02:52	Straylight	42.500	117	Pi Pup	2.7060	3800.0	85	31053	No
176	GOM_NL__2PRFIN20080207_110457_000000392065_00438_31053_4025.N1	07-FEB-2008 11:04:57	Straylight	38.500	88	31Eta CMa	2.4480	20000.	77	31053	No
177	GOM_NL__2PRFIN20080207_110641_000000372065_00438_31053_4026.N1	07-FEB-2008 11:06:41	Straylight	37.000	179	24Omi2CMa	3.0320	24000.	74	31053	No
178	GOM_NL__2PRFIN20080207_111427_000000452065_00438_31053_4027.N1	07-FEB-2008 11:14:27	Twilight_and_stray	45.000	8	10Alp CMI	0.40000	6500.0	90	31053	No
179	GOM_NL__2PRFIN20080207_111806_000000372065_00438_31053_4028.N1	07-FEB-2008 11:18:06	Bright	37.000	44	24Gam Gem	1.9280	11000.	74	31053	No
180	GOM_NL__2PRFIN20080207_112000_000000392065_00438_31053_4029.N1	07-FEB-2008 11:20:00	Bright	38.500	151	13Mu Gem	2.8900	3000.0	77	31053	No
181	GOM_NL__2PRFIN20080207_112200_000000382065_00438_31053_4030.N1	07-FEB-2008 11:22:00	Bright	38.000	24	66Alp Gem	1.5800	10200.	76	31053	No
182	GOM_NL__2PRFIN20080207_112421_000000362065_00438_31053_4031.N1	07-FEB-2008 11:24:21	Bright	35.500	107	37The Aur	2.6490	11000.	71	31053	No
183	GOM_NL__2PRFIN20080207_112623_000000362065_00438_31053_4032.N1	07-FEB-2008 11:26:23	Bright	36.000	42	34Bet Aur	1.9000	10200.	72	31053	No
184	GOM_NL__2PRFIN20080207_113819_000000362065_00438_31053_4033.N1	07-FEB-2008 11:38:19	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	31053	No
185	GOM_NL__2PRFIN20080207_114448_000000352065_00438_31053_4034.N1	07-FEB-2008 11:44:48	Bright	34.500	89	5Alp Cep	2.4510	8000.0	69	31053	No
186	GOM_NL__2PRFIN20080207_114931_000000352065_00438_31053_4035.N1	07-FEB-2008 11:49:31	Bright	35.000	69	33Gam Dra	2.2310	3800.0	70	31053	No
187	GOM_NL__2PRFIN20080207_115306_000000362065_00438_31053_4036.N1	07-FEB-2008 11:53:06	Bright	36.000	5	3Alp Lyr	0.033000	11000.	72	31053	No
188	GOM_NL__2PRFIN20080207_115949_000000332065_00438_31053_4037.N1	07-FEB-2008 11:59:49	Bright	33.000	168	17Zet Aql	2.9860	11000.	66	31053	No
189	GOM_NL__2PRFIN20080207_120345_000000402065_00438_31053_4038.N1	07-FEB-2008 12:03:45	Bright	39.500	126	60Bet Oph	2.7700	4250.0	79	31053	No
190	GOM_NL__2PRFIN20080207_121107_000000392065_00438_31053_4039.N1	07-FEB-2008 12:11:07	Twilight	38.500	137	22Lam Sgr	2.8240	4400.0	77	31053	No
191	GOM_NL__2PRFIN20080207_121225_000000412065_00438_31053_4040.N1	07-FEB-2008 12:12:25	Twilight	40.500	116	19Del Sgr	2.7000	4100.0	81	31053	No
192	GOM_NL__2PRFIN20080207_121335_000000382065_00438_31053_4041.N1	07-FEB-2008 12:13:35	Twilight	38.000	38	20Eps Sgr	1.8360	11000.	76	31053	No
193	GOM_NL__2PRFIN20080207_121520_000000412065_00438_31053_4042.N1	07-FEB-2008 12:15:20	Dark	40.500	25	35Lam Sco	1.6200	28000.	81	31053	No
194	GOM_NL__2PRFIN20080207_121644_000000412065_00438_31053_4043.N1	07-FEB-2008 12:16:44	Dark	41.000	40	The Sco	1.8590	7100.0	82	31053	No
195	GOM_NL__2PRFIN20080207_121835_000000372065_00438_31053_4044.N1	07-FEB-2008 12:18:35	Dark	36.500	147	Alp Ara	2.8770	26000.	73	31053	No
196	GOM_NL__2PRFIN20080207_122006_000000382065_00438_31053_4045.N1	07-FEB-2008 12:20:06	Dark	37.500	141	Bet Ara	2.8400	4600.0	75	31053	No
197	GOM_NL__2PRFIN20080207_122549_000000422065_00439_31054_4029.N1	07-FEB-2008 12:25:49	Dark	41.500	4	Alp1Cen	-0.010000	5800.0	83	31054	No
198	GOM_NL__2PRFIN20080207_122704_000000402065_00439_31054_4030.N1	07-FEB-2008 12:27:04	Dark	40.000	10	Bet Cen	0.61000	28000.	80	31054	No
199	GOM_NL__2PRFIN20080207_123022_000000412065_00439_31054_4031.N1	07-FEB-2008 12:30:22	Dark	40.500	12	Alp1Cru	0.77500	30000.	81	31054	No
200	GOM_NL__2PRFIN20080207_123327_000000382065_00439_31054_4032.N1	07-FEB-2008 12:33:27	Dark	37.500	29	Bet Car	1.6720	10200.	75	31054	No
201	GOM_NL__2PRFIN20080207_123556_000000382065_00439_31054_4033.N1	07-FEB-2008 12:35:56	Dark	38.000	71	lot Car	2.2460	7700.0	76	31054	No
202	GOM_NL__2PRFIN20080207_123738_000000372065_00439_31054_4034.N1	07-FEB-2008 12:37:38	Dark	36.500	46	Del Vel	1.9540	10600.	73	31054	No
203	GOM_NL__2PRFIN20080207_124005_000000412065_00439_31054_4035.N1	07-FEB-2008 12:40:05	Straylight	41.000	34	Gam2Vel	1.7930	23000.	82	31054	No
204	GOM_NL__2PRFIN20080207_124210_000000392065_00439_31054_4036.N1	07-FEB-2008 12:42:10	Straylight	38.500	70	Zet Pup	2.2460	39000.	77	31054	No
205	GOM_NL__2PRFIN20080207_124328_000000432065_00439_31054_4037.N1	07-FEB-2008 12:43:28	Straylight	42.500	117	Pi Pup	2.7060	3800.0	85	31054	No
206	GOM_NL__2PRFIN20080207_124533_000000392065_00439_31054_4038.N1	07-FEB-2008 12:45:33	Straylight	38.500	88	31Eta CMa	2.4480	20000.	77	31054	No
207	GOM_NL__2PRFIN20080207_124717_000000372065_00439_31054_4039.N1	07-FEB-2008 12:47:17	Straylight	37.000	179	24Omi2CMa	3.0320	24000.	74	31054	No
208	GOM_NL__2PRFIN20080207_142753_000000372065_00440_31055_4041.N1	07-FEB-2008 14:27:53	Straylight	37.000	179	24Omi2CMa	3.0320	24000.	74	31055	No
209	GOM_NL__2PRFIN20080207_143539_000000462065_00440_31055_4042.N1	07-FEB-2008 14:35:39	Twilight_and_stray	45.500	8	10Alp CMI	0.40000	6500.0	91	31055	No
210	GOM_NL__2PRFIN20080207_143918_000000382065_00440_31055_4043.N1	07-FEB-2008 14:39:18	Bright	38.000	44	24Gam Gem	1.9280	11000.	76	31055	No
211	GOM_NL__2PRFIN20080207_144112_000000522065_00440_31055_4044.N1	07-FEB-2008 14:41:12	Bright	52.000	151	13Mu Gem	2.8900	3000.0	104	31055	No
212	GOM_NL__2PRFIN20080207_144312_000000382065_00440_31055_4045.N1	07-FEB-2008 14:43:12	Bright	37.500	24	66Alp Gem	1.5800	10200.	75	31055	No
213	GOM_NL__2PRFIN20080207_144534_000000392065_00440_31055_4046.N1	07-FEB-2008 14:45:34	Bright	39.000	107	37The Aur	2.6490	11000.	78	31055	No
214	GOM_NL__2PRFIN20080207_144736_000000342065_00440_31055_4047.N1	07-FEB-2008 14:47:36	Bright	34.000	42	34Bet Aur	1.9000	10200.	68	31055	No
215	GOM_NL__2PRFIN20080207_145931_000000362065_00440_31055_4048.N1	07-FEB-2008 14:59:31	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	31055	No
216	GOM_NL__2PRFIN20080207_150600_000000362065_00440_31055_4049.N1	07-FEB-2008 15:06:00	Bright	35.500	89	5Alp Cep	2.4510	8000.0	71	31055	No
217	GOM_NL__2PRFIN20080207_151043_000000392065_00440_31055_4050.N1	07-FEB-2008 15:10:43	Bright	39.000	69	33Gam Dra	2.2310	3800.0	78	31055	No
218	GOM_NL__2PRFIN20080207_151418_000000362065_00440_31055_4051.N1	07-FEB-2008 15:14:18	Bright	36.000	5	3Alp Lyr	0.033000	11000.	72	31055	No
219	GOM_NL__2PRFIN20080207_152101_000000332065_00440_31055_4052.N1	07-FEB-2008 15:21:01	Bright	33.000	168	17Zet Aql	2.9860	11000.	66	31055	No

338	GOM_NL__2PRFIN20080207_221602_000000422065_00444_31059_4137.N1	07-FEB-2008 22:16:02	Twilight	42.000	116	19Del Sgr	2.7000	4100.0	84	31059	No
339	GOM_NL__2PRFIN20080207_221712_000000402065_00444_31059_4138.N1	07-FEB-2008 22:17:12	Dark	39.500	38	20Eps Sgr	1.8360	11000.	79	31059	No
340	GOM_NL__2PRFIN20080207_221858_000000422065_00444_31059_4139.N1	07-FEB-2008 22:18:58	Dark	42.000	25	35Lam Sco	1.6200	28000.	84	31059	No
341	GOM_NL__2PRFIN20080207_222022_000000412065_00444_31059_4140.N1	07-FEB-2008 22:20:22	Dark	41.000	40	The Sco	1.8590	7100.0	82	31059	No
342	GOM_NL__2PRFIN20080207_222212_000000372065_00444_31059_4141.N1	07-FEB-2008 22:22:12	Dark	37.000	147	Alp Ara	2.8770	26000.	74	31059	No
343	GOM_NL__2PRFIN20080207_222344_000000382065_00444_31059_4142.N1	07-FEB-2008 22:23:44	Dark	37.500	141	Bet Ara	2.8400	4600.0	75	31059	No
344	GOM_NL__2PRFIN20080207_222731_000000452065_00445_31060_4138.N1	07-FEB-2008 22:27:31	Dark	45.000	43	Alp TrA	1.9100	4250.0	90	31060	No
345	GOM_NL__2PRFIN20080207_223401_000000442065_00445_31060_4139.N1	07-FEB-2008 22:34:01	Dark	43.500	12	Alp1Cru	0.77500	30000.	87	31060	No
346	GOM_NL__2PRFIN20080207_223704_000000382065_00445_31060_4140.N1	07-FEB-2008 22:37:04	Dark	37.500	29	Bet Car	1.6720	10200.	75	31060	No
347	GOM_NL__2PRFIN20080207_223933_000000382065_00445_31060_4141.N1	07-FEB-2008 22:39:33	Dark	38.000	71	lot Car	2.2460	7700.0	76	31060	No
348	GOM_NL__2PRFIN20080207_224115_000000402065_00445_31060_4142.N1	07-FEB-2008 22:41:15	Dark	40.000	46	Del Vel	1.9540	10600.	80	31060	No
349	GOM_NL__2PRFIN20080207_224342_000000412065_00445_31060_4143.N1	07-FEB-2008 22:43:42	Straylight	40.500	34	Gam2Vel	1.7930	23000.	81	31060	No
350	GOM_NL__2PRFIN20080207_224547_000000392065_00445_31060_4144.N1	07-FEB-2008 22:45:47	Straylight	38.500	70	Zet Pup	2.2460	39000.	77	31060	No
351	GOM_NL__2PRFIN20080207_224704_000000432065_00445_31060_4145.N1	07-FEB-2008 22:47:04	Straylight	43.000	117	Pi Pup	2.7060	3800.0	86	31060	No
352	GOM_NL__2PRFIN20080207_224910_000000392065_00445_31060_4146.N1	07-FEB-2008 22:49:10	Straylight	39.000	88	31Eta CMa	2.4480	20000.	78	31060	No
353	GOM_NL__2PRFIN20080207_225054_000000402065_00445_31060_4147.N1	07-FEB-2008 22:50:54	Straylight	39.500	179	24Omi2CMa	3.0320	24000.	79	31060	No
354	GOM_NL__2PRFIN20080207_225839_000000462065_00445_31060_4148.N1	07-FEB-2008 22:58:39	Twilight	45.500	8	10Alp CMI	0.40000	6500.0	91	31060	No
355	GOM_NL__2PRFIN20080207_230219_000000382065_00445_31060_4149.N1	07-FEB-2008 23:02:19	Bright	37.500	44	24Gam Gem	1.9280	11000.	75	31060	No
356	GOM_NL__2PRFIN20080207_230413_000000392065_00445_31060_4150.N1	07-FEB-2008 23:04:13	Bright	38.500	151	13Mu Gem	2.8900	3000.0	77	31060	No
357	GOM_NL__2PRFIN20080207_230612_000000372065_00445_31060_4151.N1	07-FEB-2008 23:06:12	Bright	37.000	24	66Alp Gem	1.5800	10200.	74	31060	No
358	GOM_NL__2PRFIN20080207_231037_000000352065_00445_31060_4152.N1	07-FEB-2008 23:10:37	Bright	35.000	42	34Bet Aur	1.9000	10200.	70	31060	No
359	GOM_NL__2PRFIN20080207_232230_000000362065_00445_31060_4153.N1	07-FEB-2008 23:22:30	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	31060	No
360	GOM_NL__2PRFIN20080207_232901_000000372065_00445_31060_4154.N1	07-FEB-2008 23:29:01	Bright	36.500	89	5Alp Cep	2.4510	8000.0	73	31060	No
361	GOM_NL__2PRFIN20080207_233343_000000382065_00445_31060_4155.N1	07-FEB-2008 23:33:43	Bright	37.500	69	33Gam Dra	2.2310	3800.0	75	31060	No
362	GOM_NL__2PRFIN20080207_233718_000000372065_00445_31060_4156.N1	07-FEB-2008 23:37:18	Bright	36.500	5	3Alp Lyr	0.033000	11000.	73	31060	No
363	GOM_NL__2PRFIN20080207_234402_000000342065_00445_31060_4157.N1	07-FEB-2008 23:44:02	Bright	34.000	168	17Zet Aql	2.9860	11000.	68	31060	No
364	GOM_NL__2PRFIN20080207_234759_000000572065_00445_31060_4158.N1	07-FEB-2008 23:47:59	Bright	56.500	126	60Bet Oph	2.7700	4250.0	113	31060	No
365	GOM_NL__2PRFIN20080207_235520_000000412065_00445_31060_4159.N1	07-FEB-2008 23:55:20	Twilight	40.500	137	22Lam Sgr	2.8240	4400.0	81	31060	No
366	GOM_NL__2PRFIN20080207_235638_000000412065_00445_31060_4160.N1	07-FEB-2008 23:56:38	Twilight	40.500	116	19Del Sgr	2.7000	4100.0	81	31060	No
367	GOM_NL__2PRFIN20080207_235748_000000372065_00445_31060_4161.N1	07-FEB-2008 23:57:48	Dark	37.000	38	20Eps Sgr	1.8360	11000.	74	31060	No
368	GOM_NL__2PRFIN20080207_235935_000000392065_00445_31060_4162.N1	07-FEB-2008 23:59:35	Dark	38.500	25	35Lam Sco	1.6200	28000.	77	31060	No

3. Quality information per product

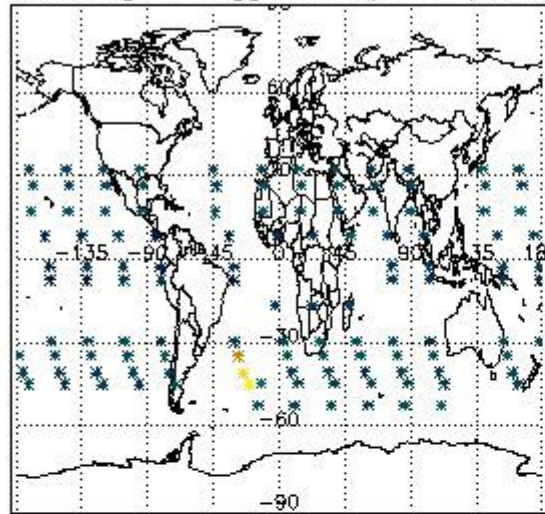
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

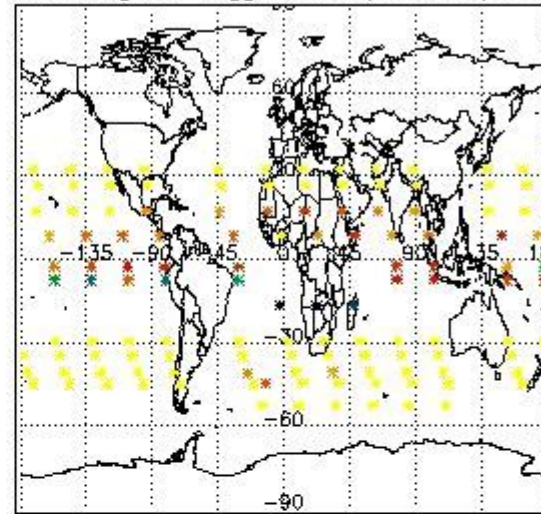


3.2 Plot quality information per product (world map)

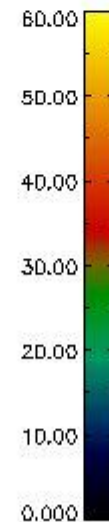
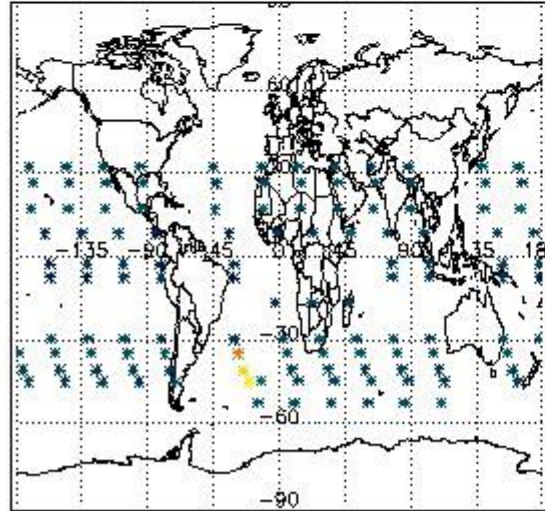
Percentage of flagged data per O3 profile



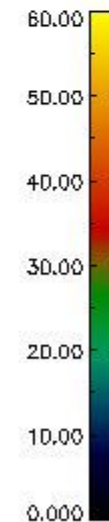
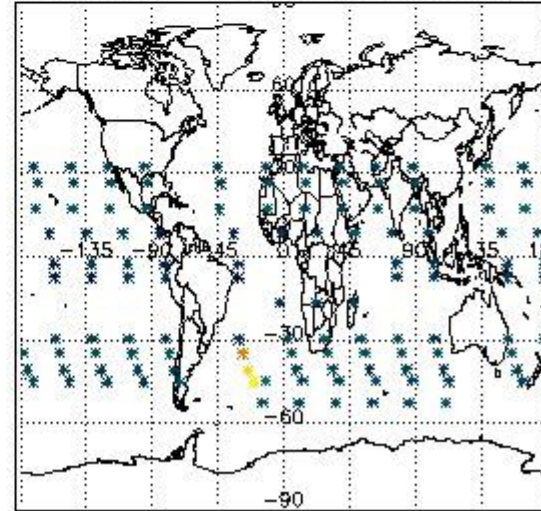
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

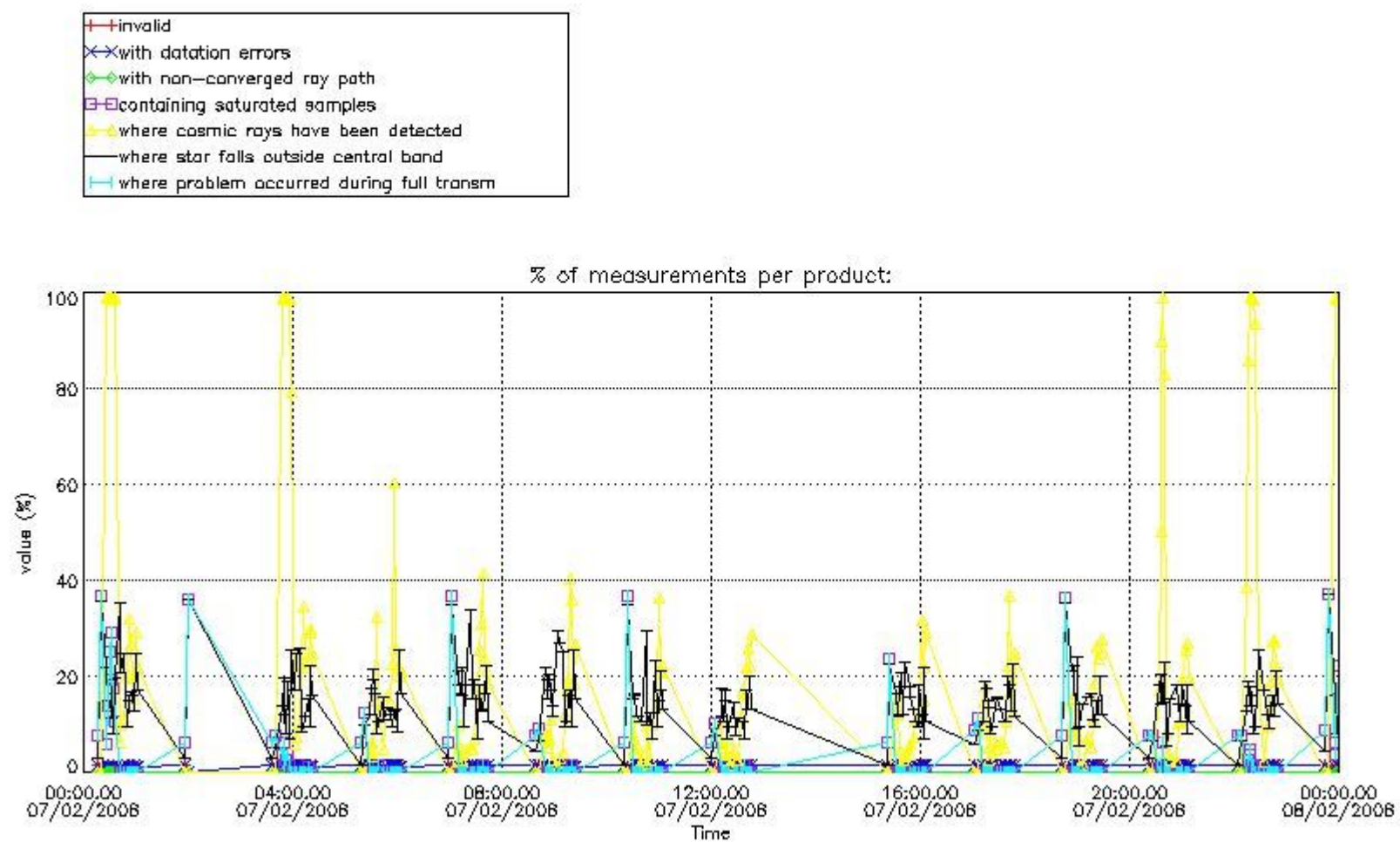


4. Level 1 quality information per product

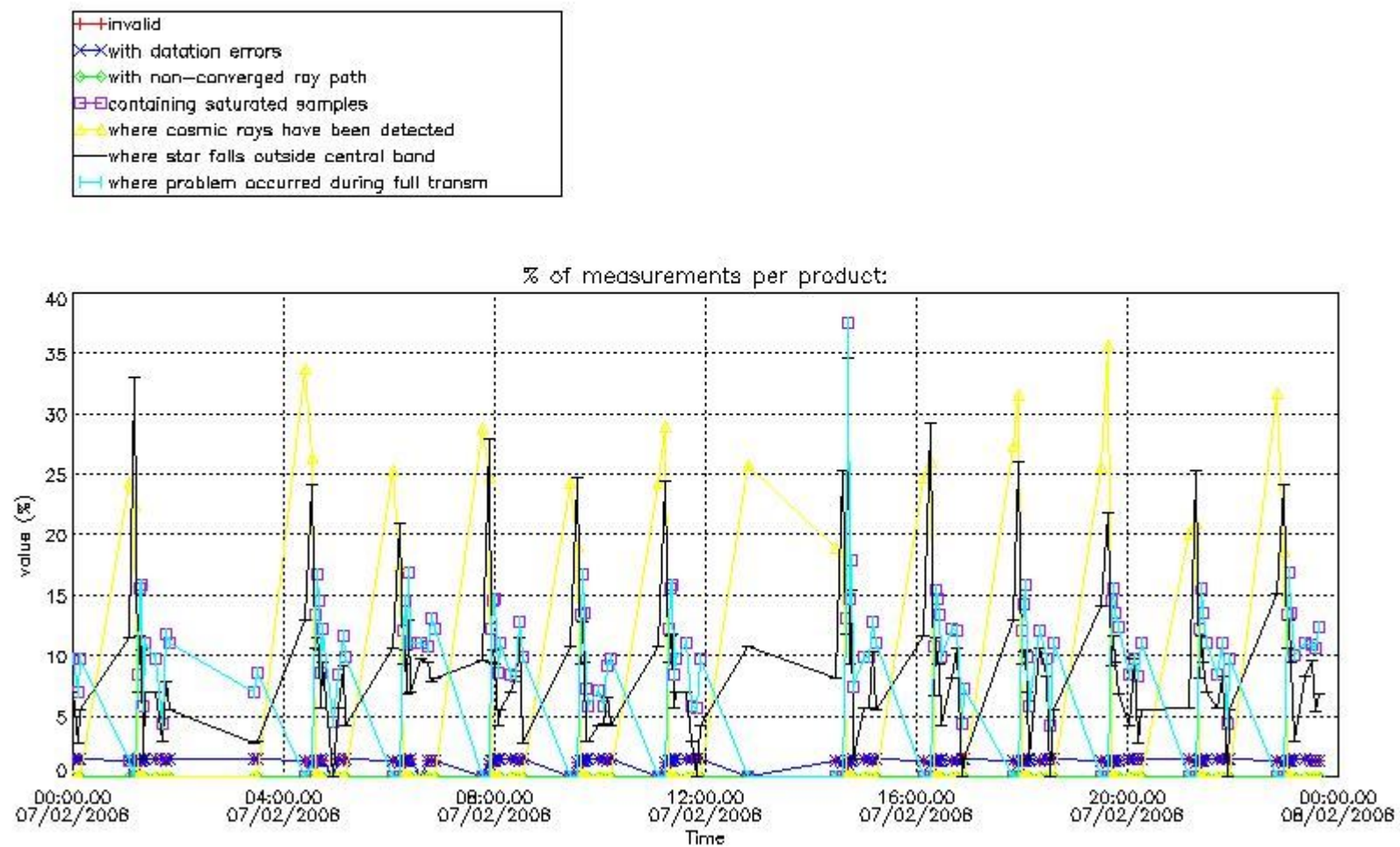
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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

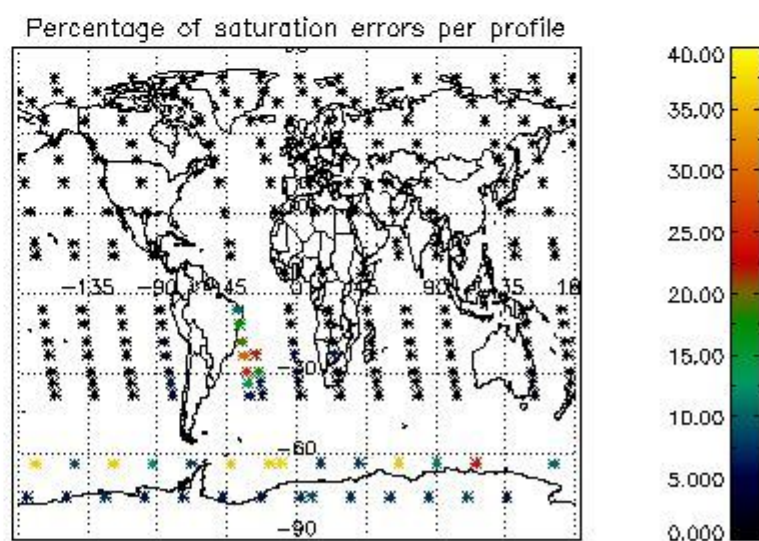
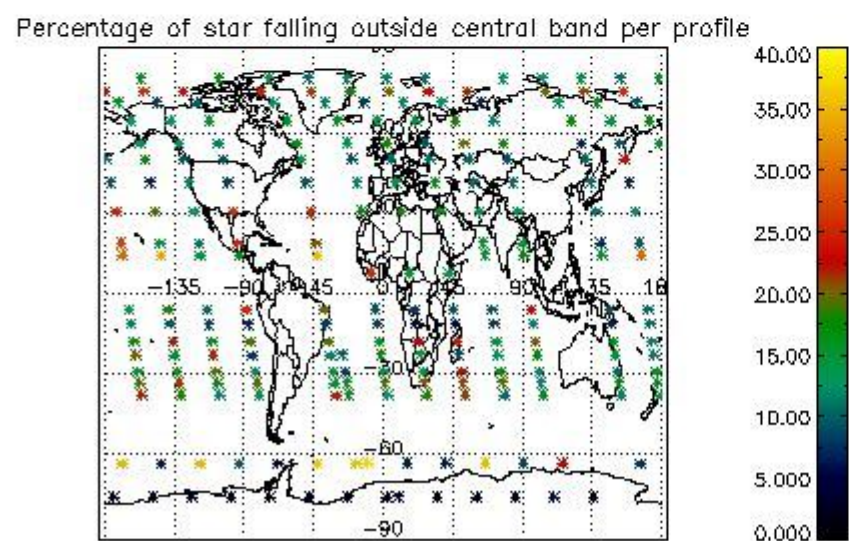
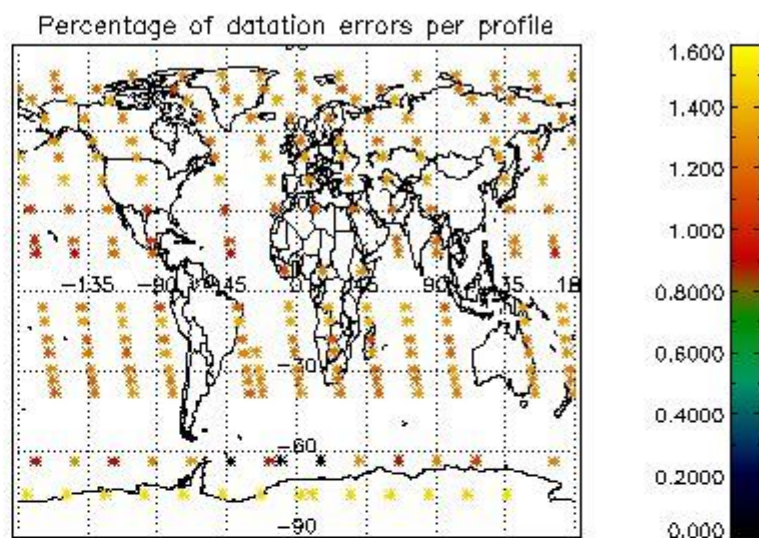
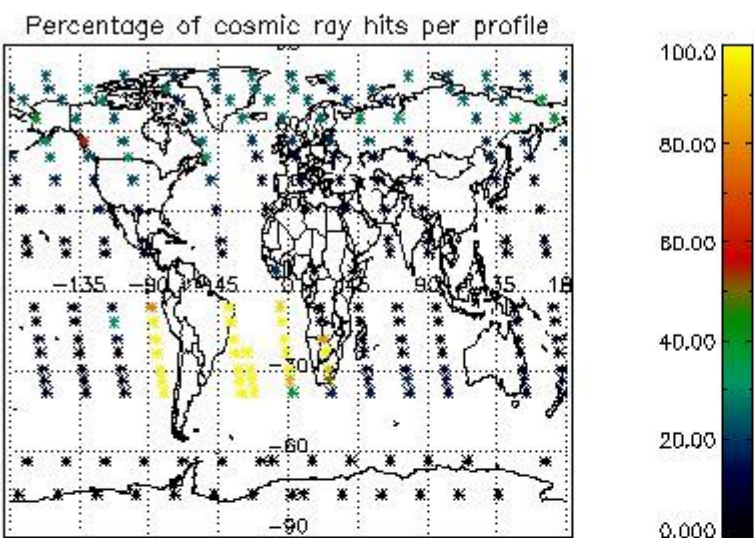


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes

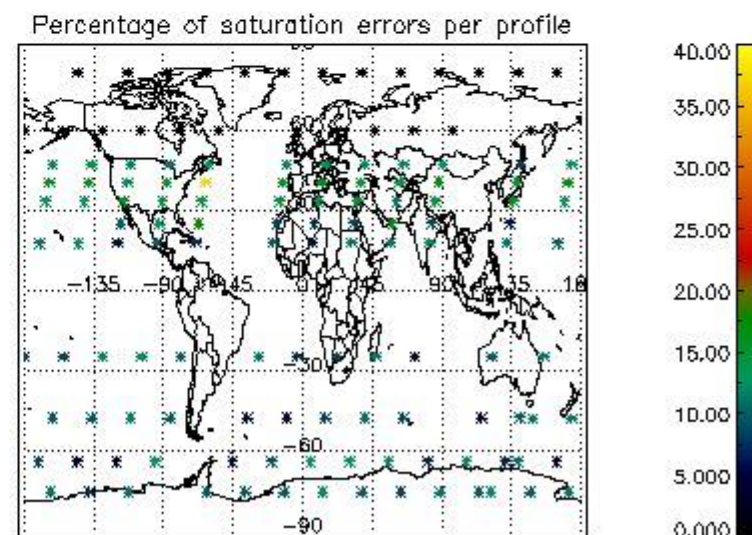
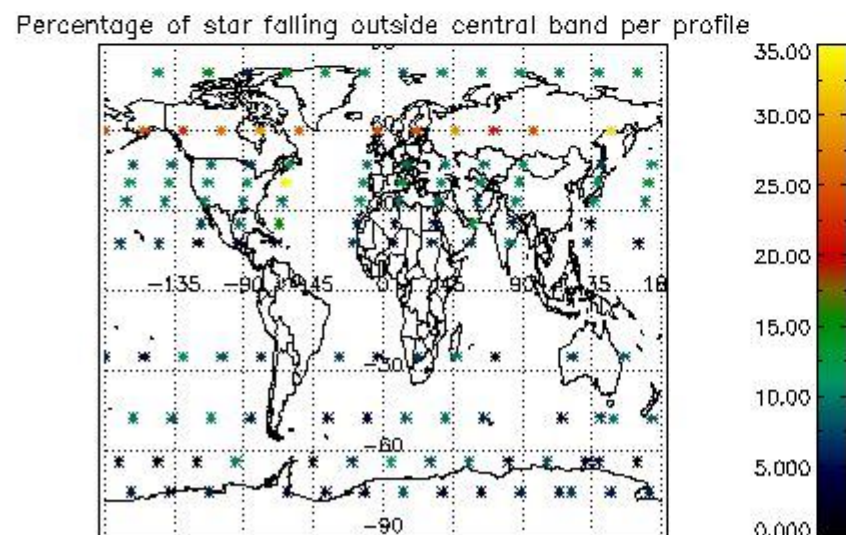
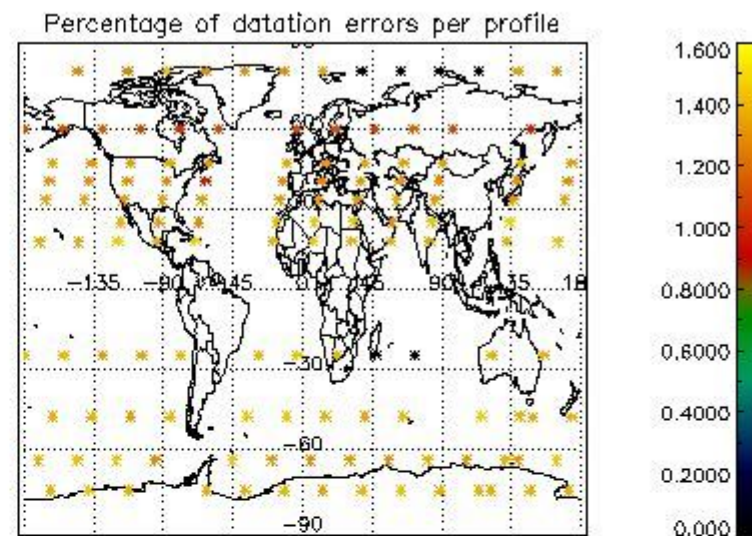
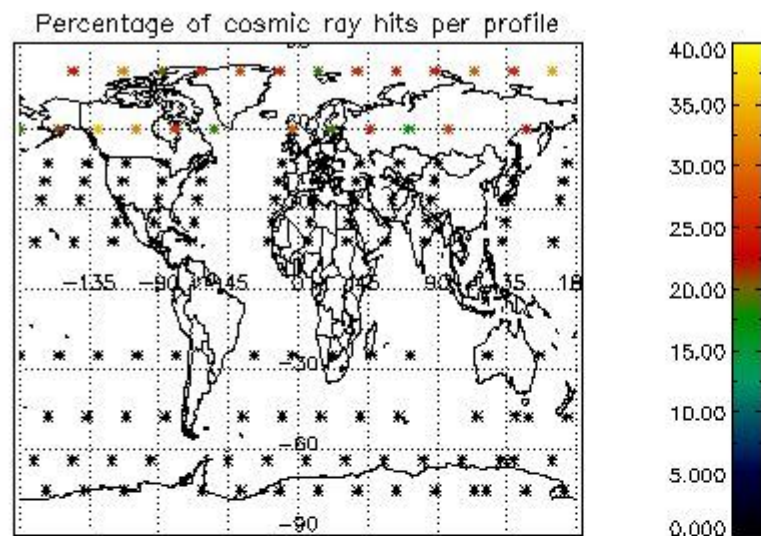


4.2 Plot quality information per product coming from level 1b processing (world map)

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



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



5. Trace gas profiles

5.1 Ozone statistics based on quality of products

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

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

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

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

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

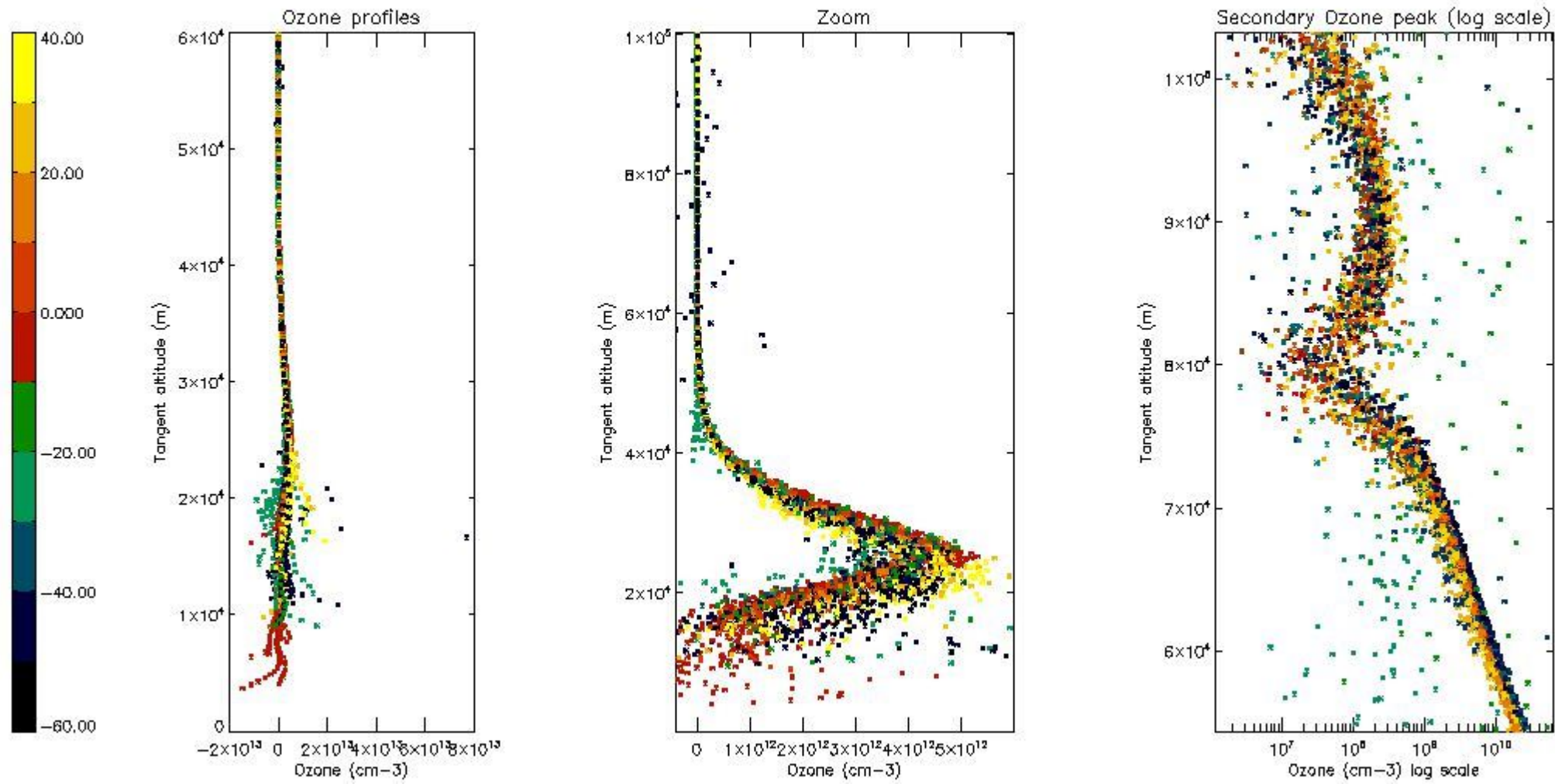
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	35
STD < 20	20

STD < 10	16
STD < 5	10

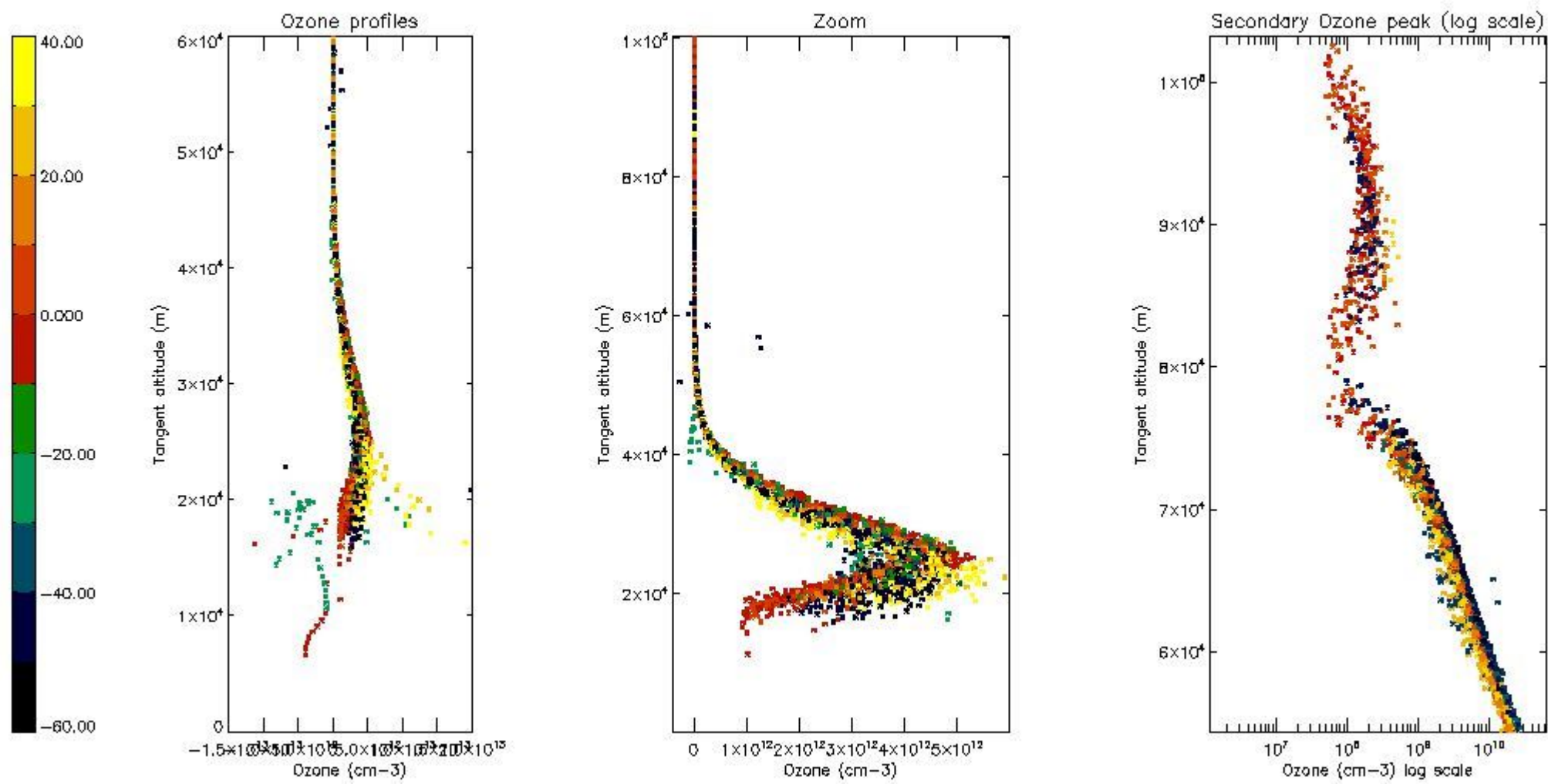
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



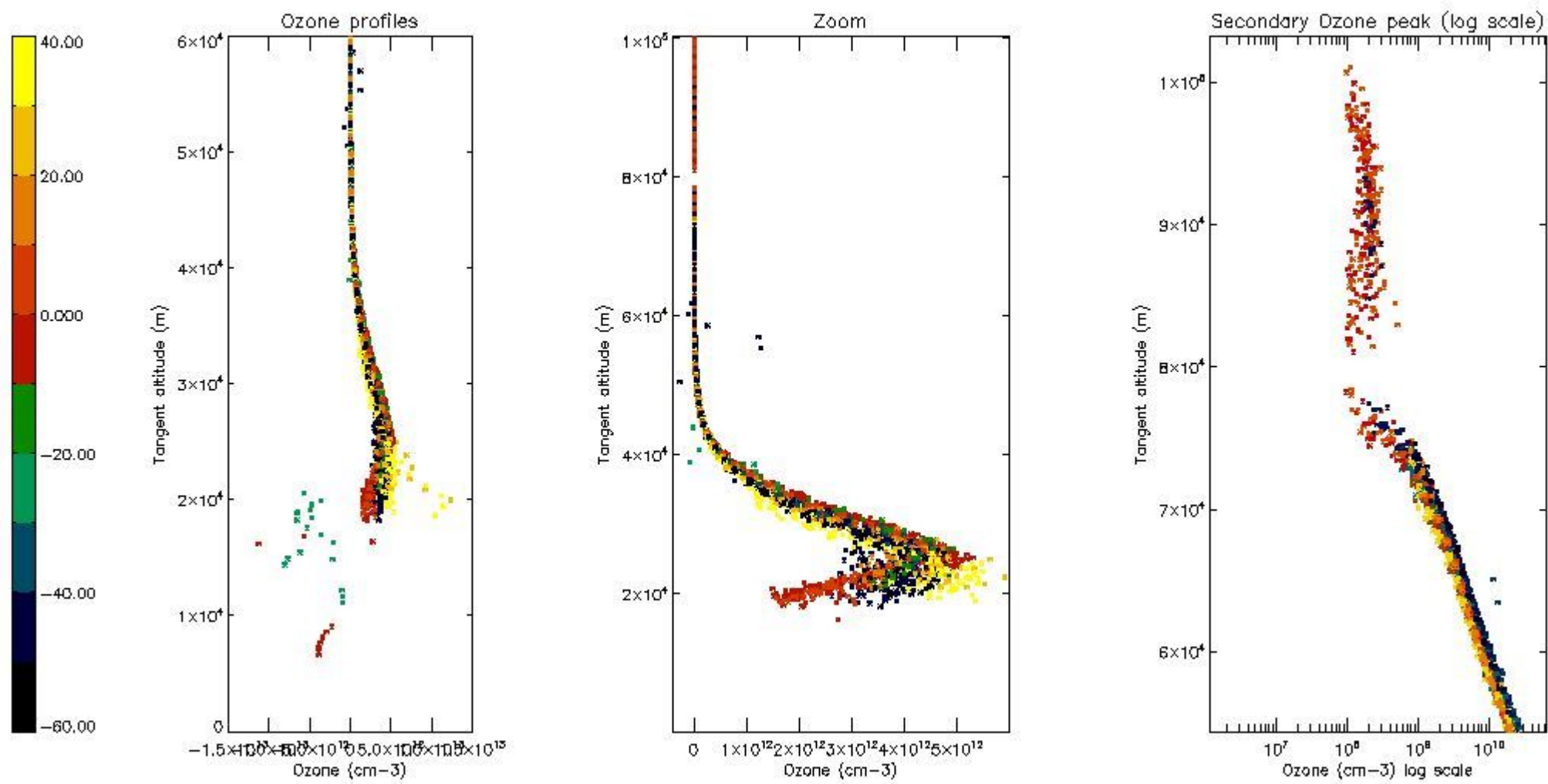
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



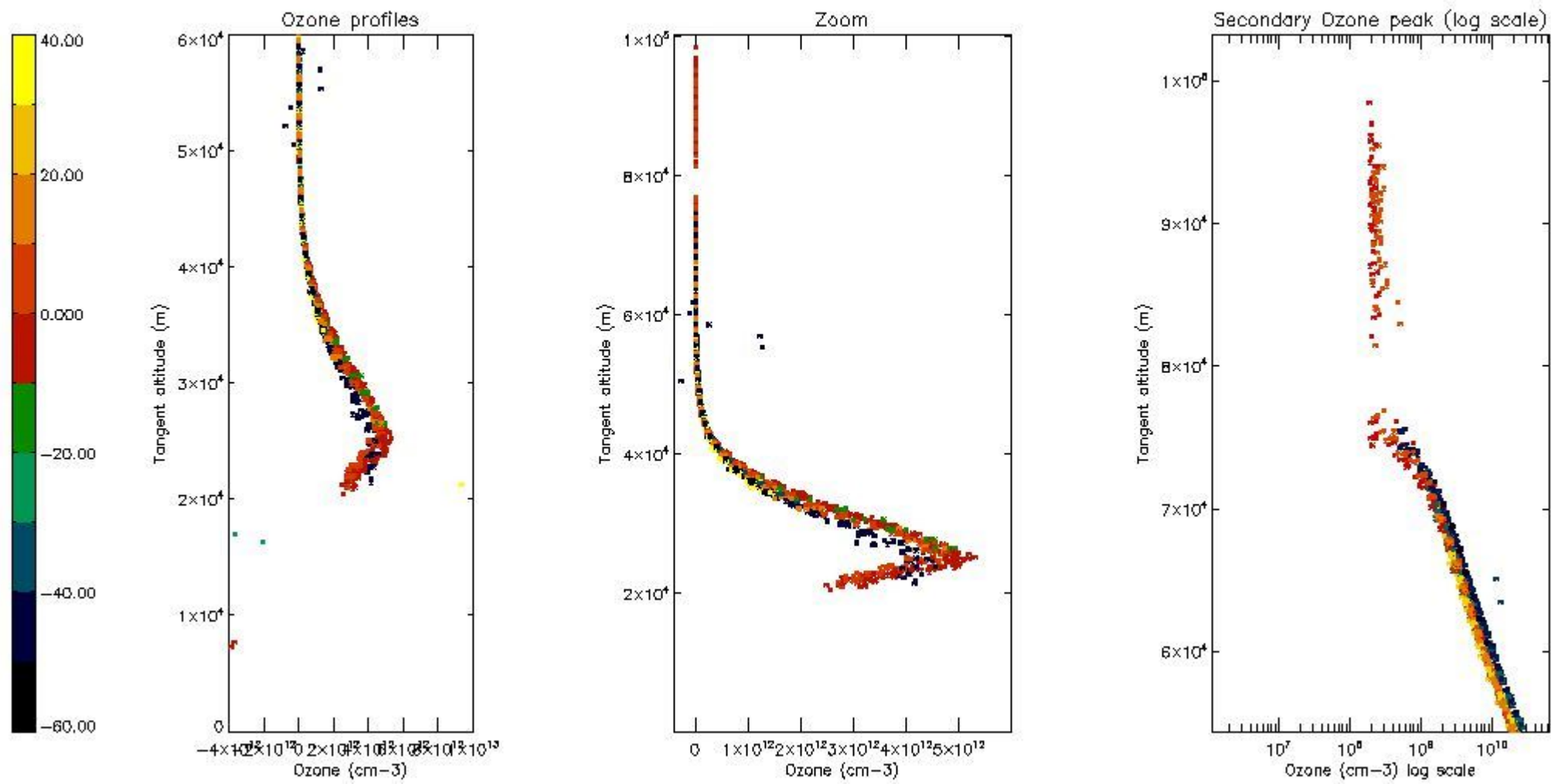
5.4 Plot ozone profiles where $STD < 10\%$ (dark without errors)

The colorbar represents the latitude.



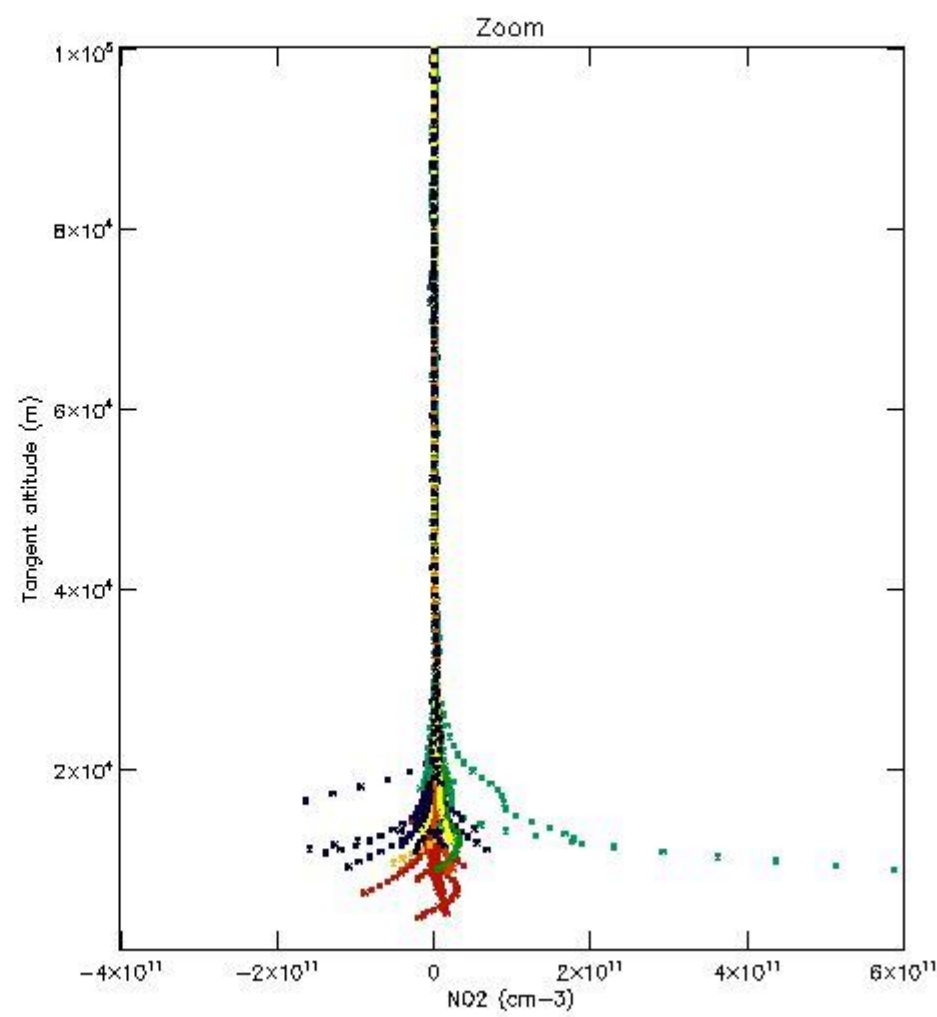
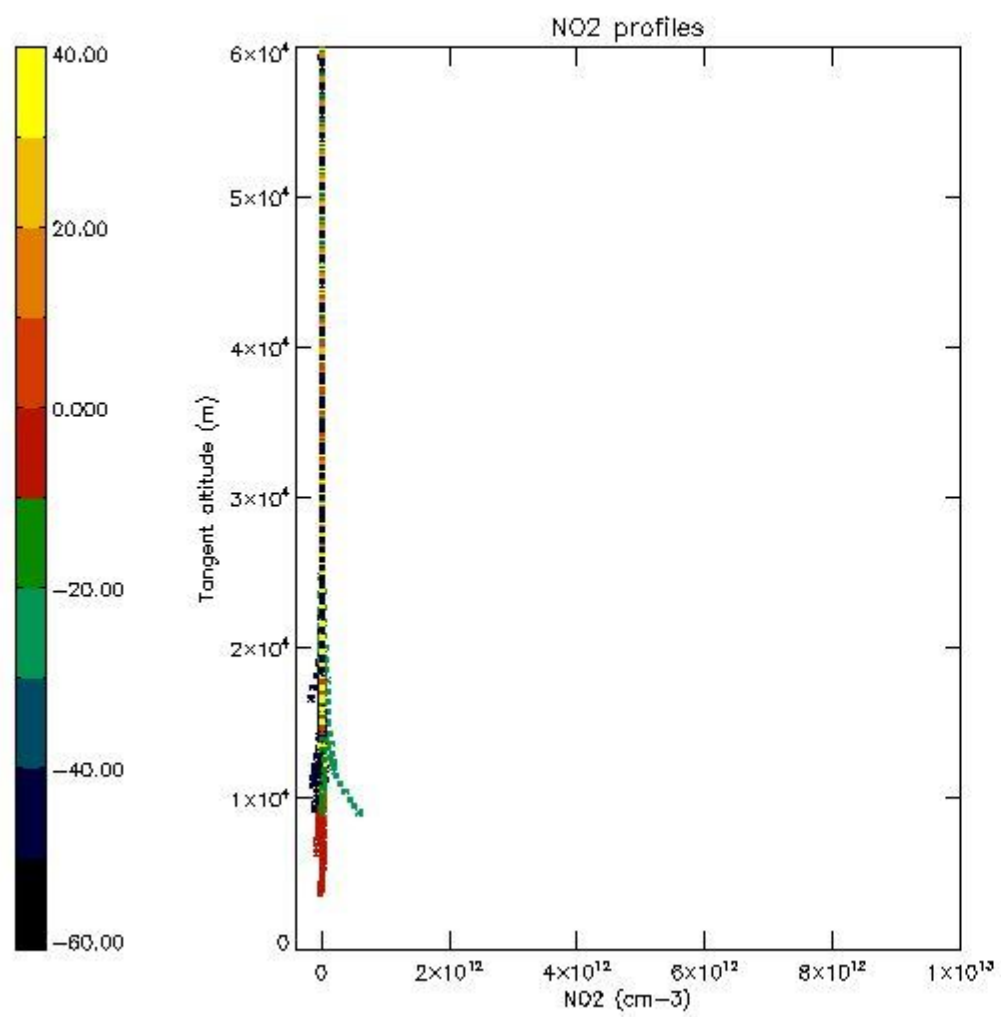
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



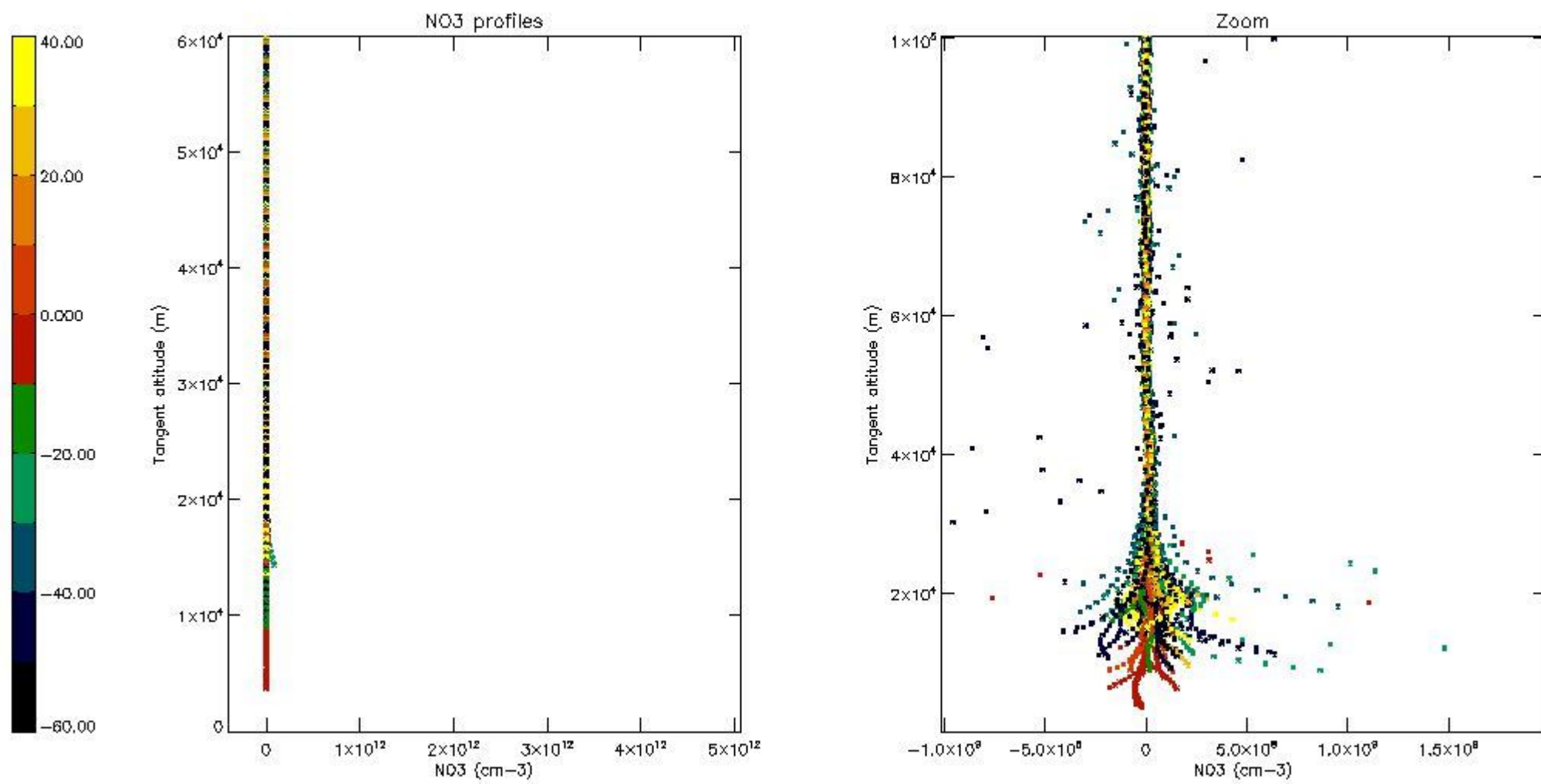
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



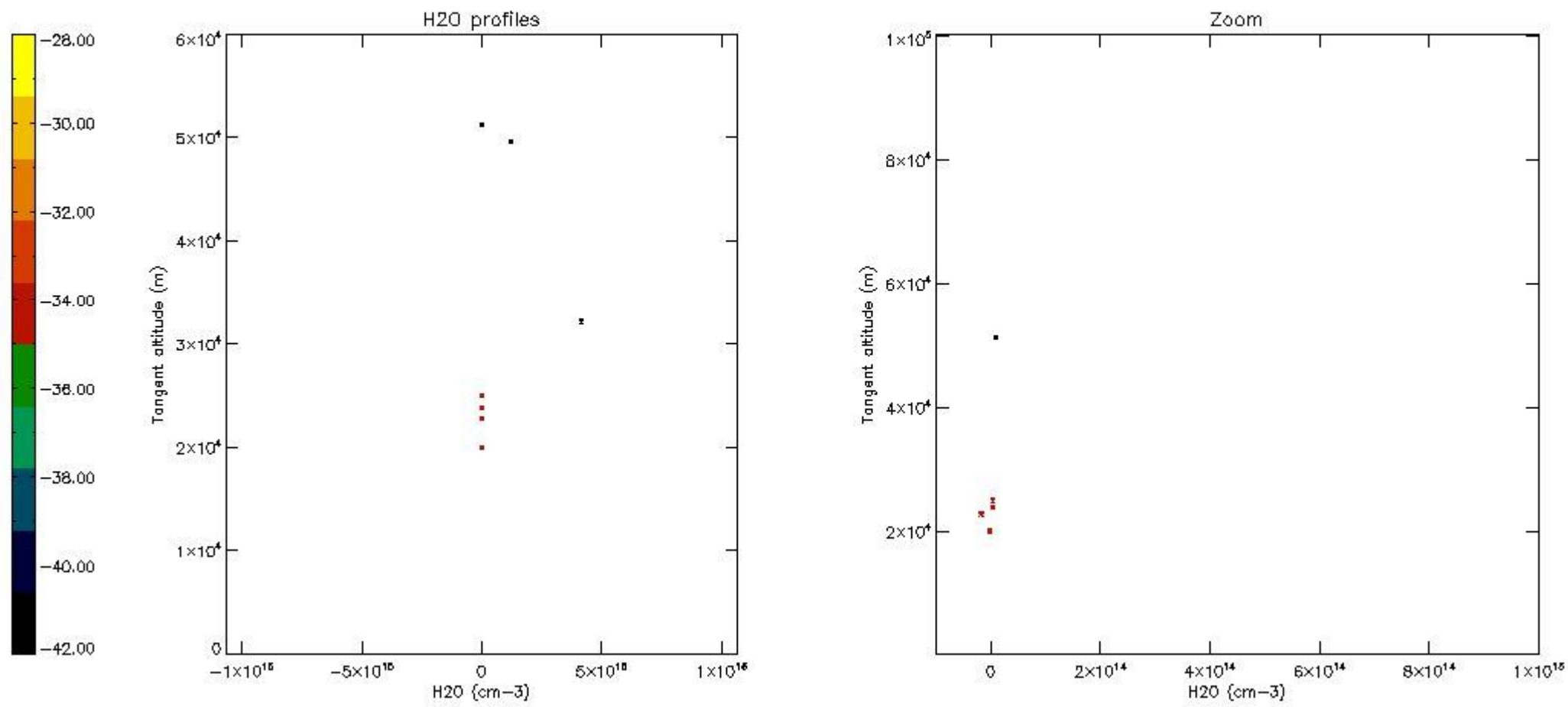
5.7 Plot NO3 profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

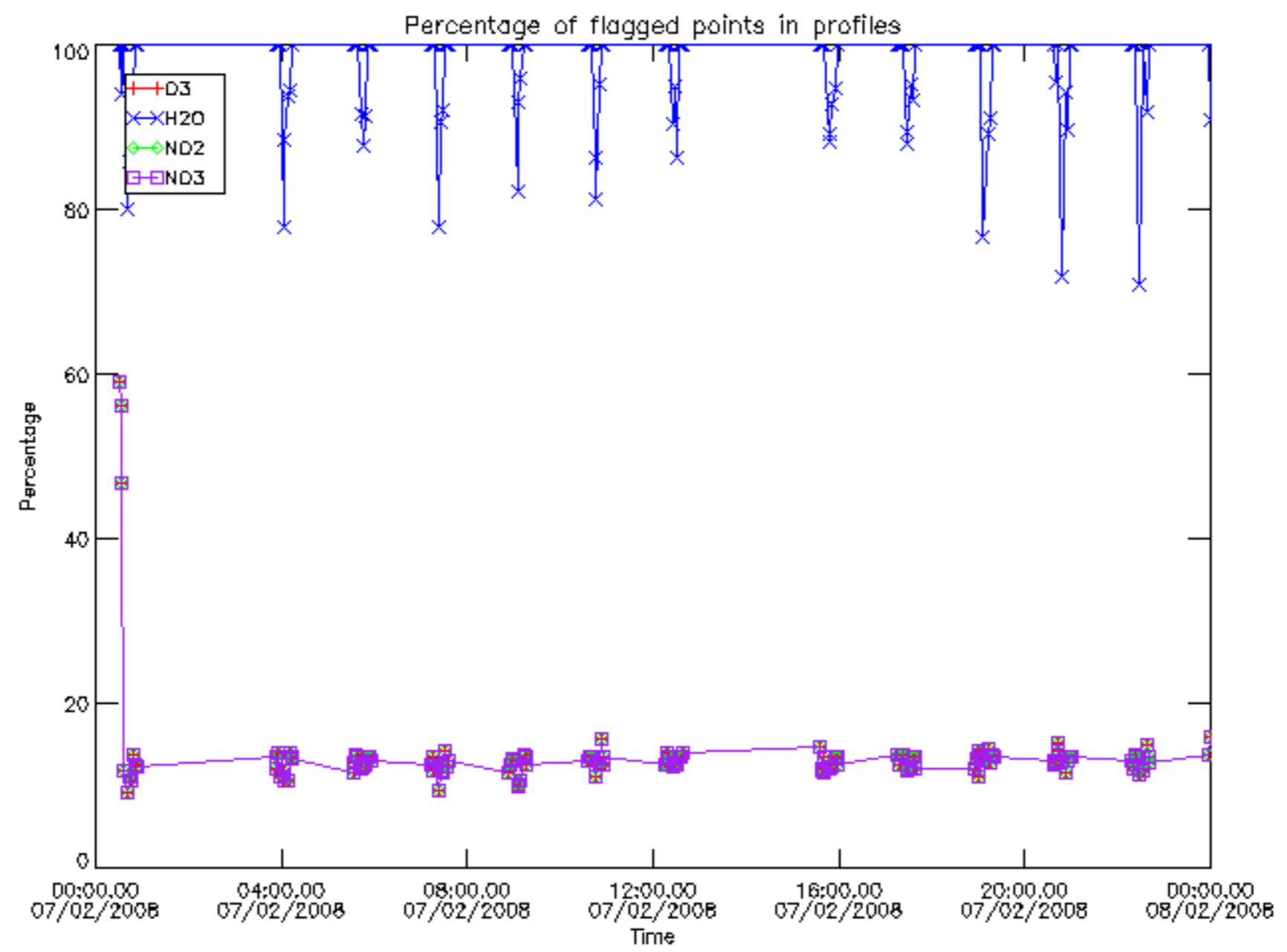
The colorbar represents the latitude.



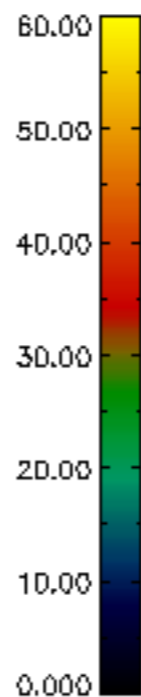
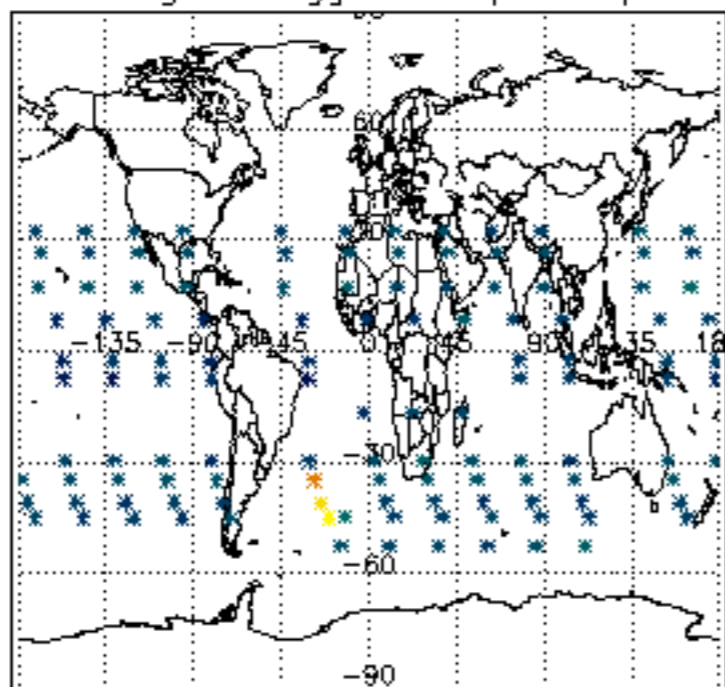
6. Auxiliary Data Files used for the production reported in section 2

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

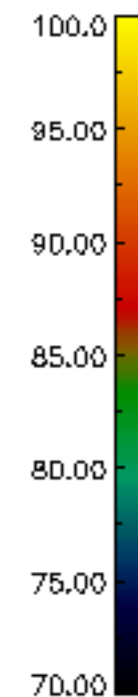
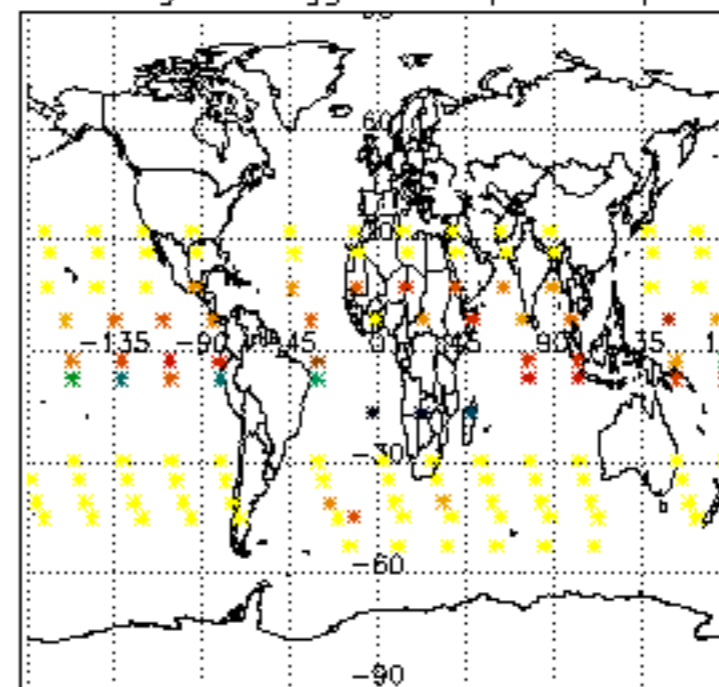
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	07-FEB-2008 00:00:35
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	07-FEB-2008 00:00:35
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	07-FEB-2008 00:00:35



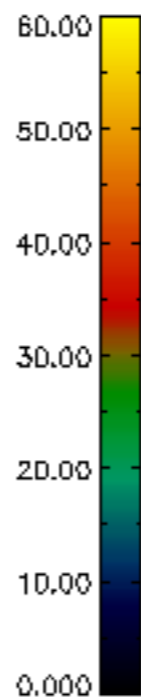
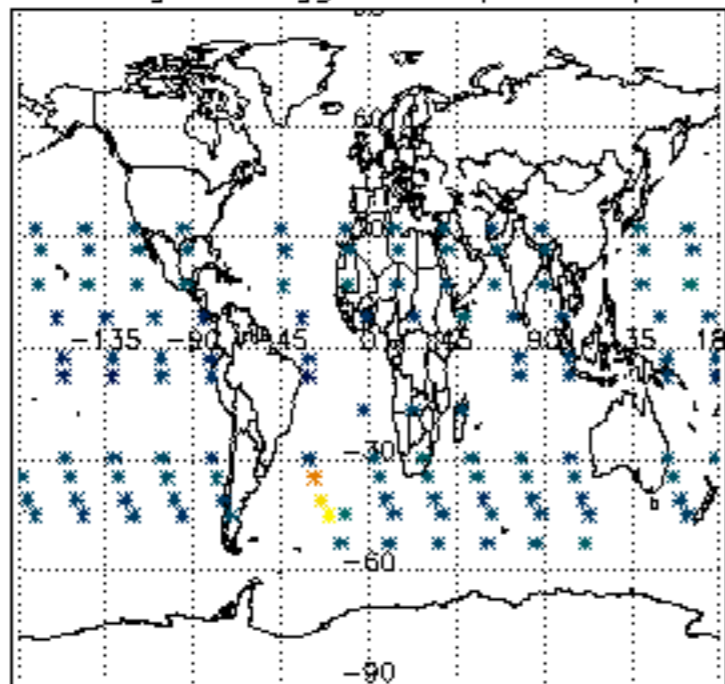
Percentage of flagged data per D3 profile



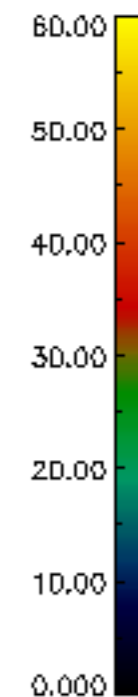
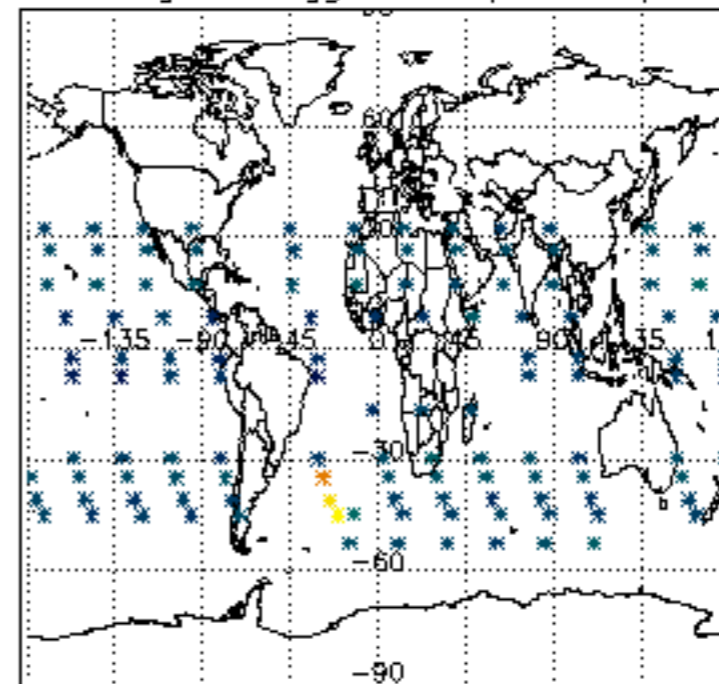
Percentage of flagged data per H2O profile

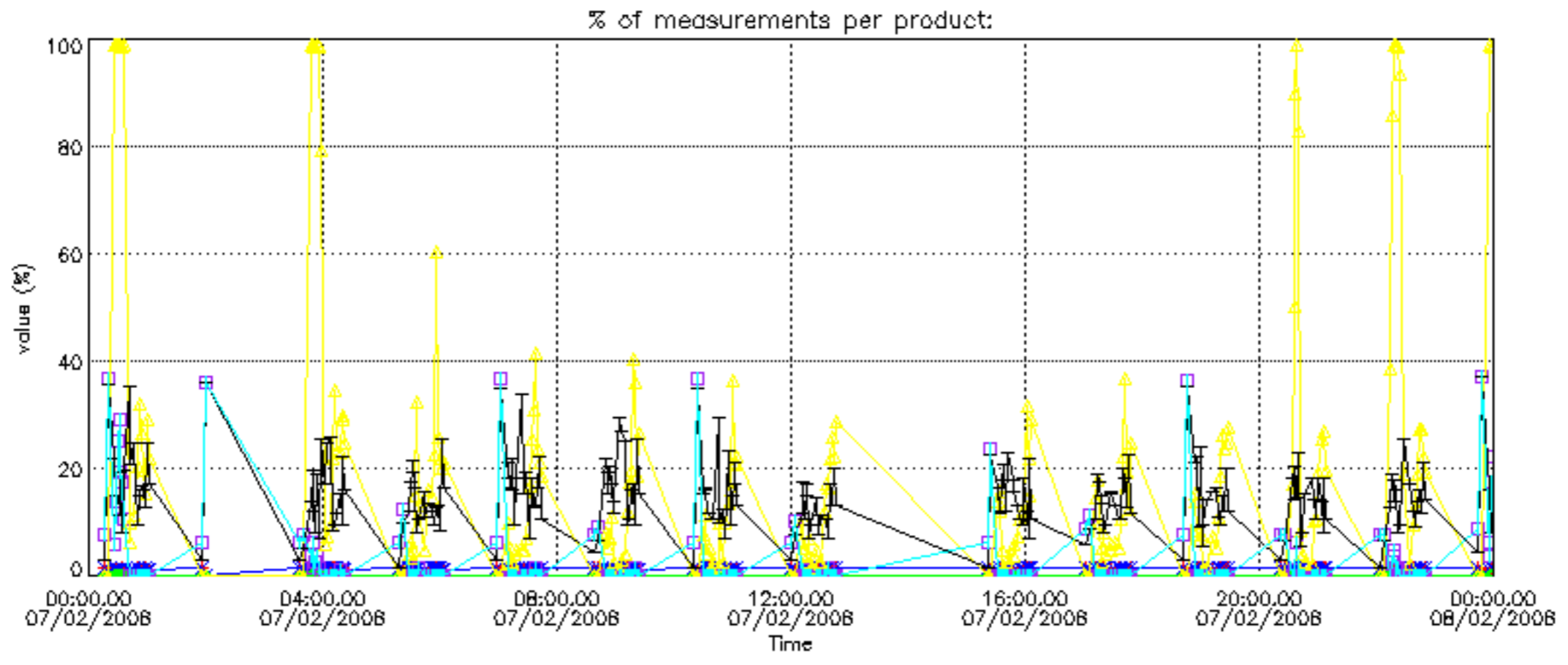


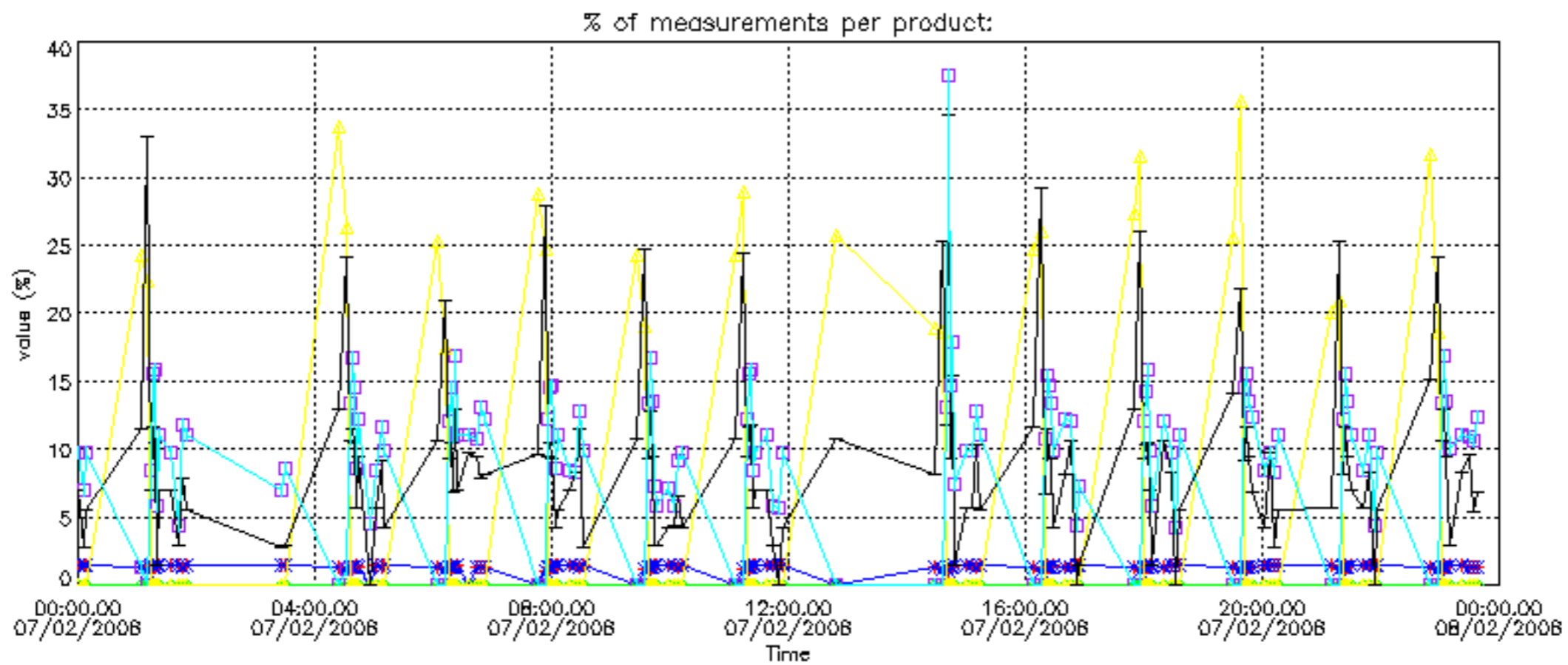
Percentage of flagged data per NO2 profile



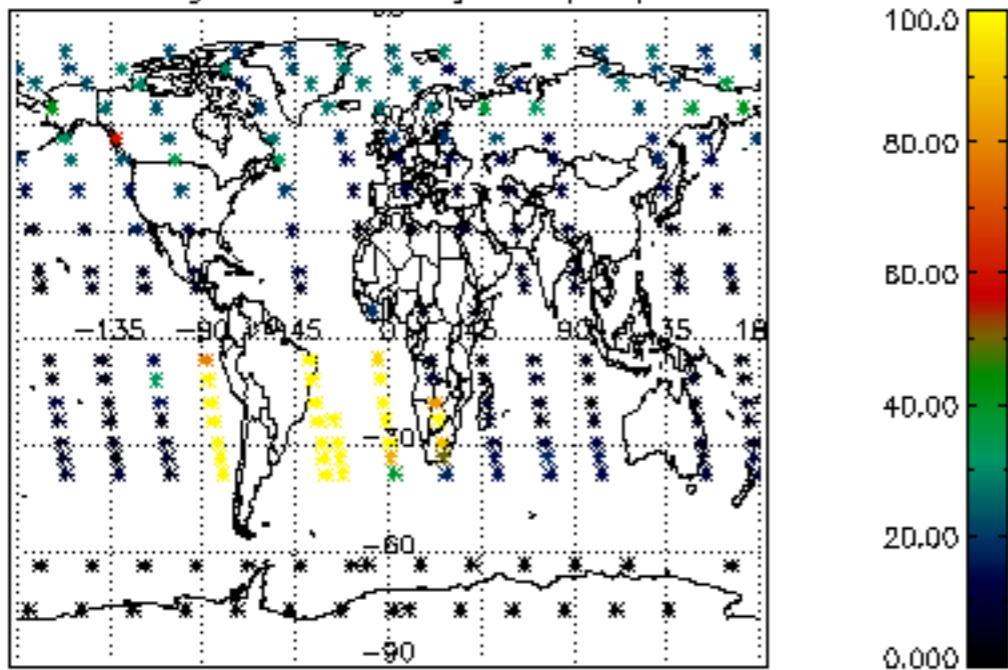
Percentage of flagged data per NO3 profile



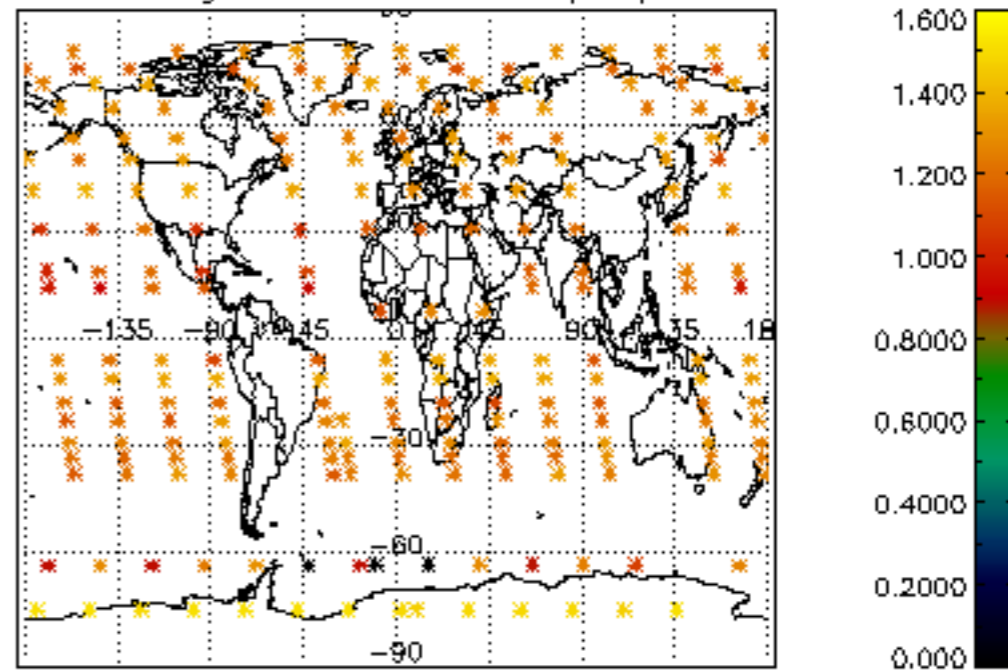




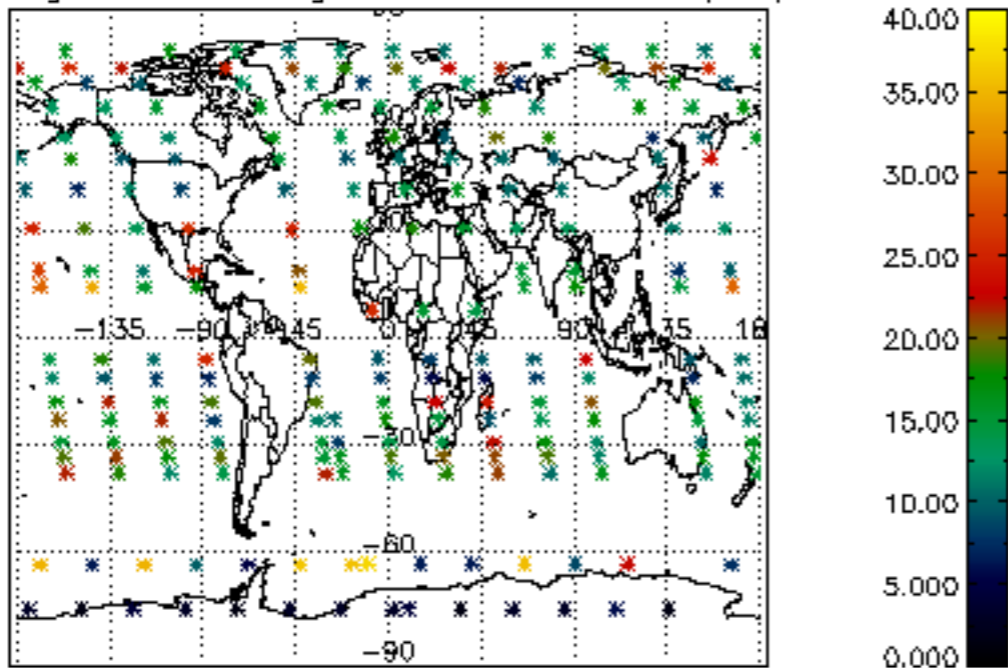
Percentage of cosmic ray hits per profile



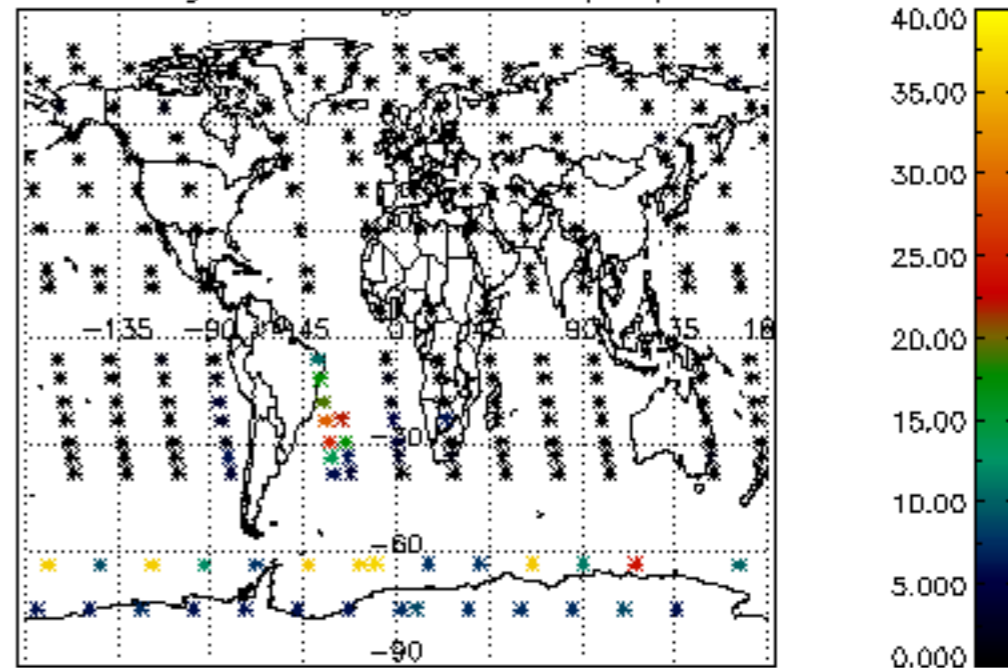
Percentage of datation errors per profile



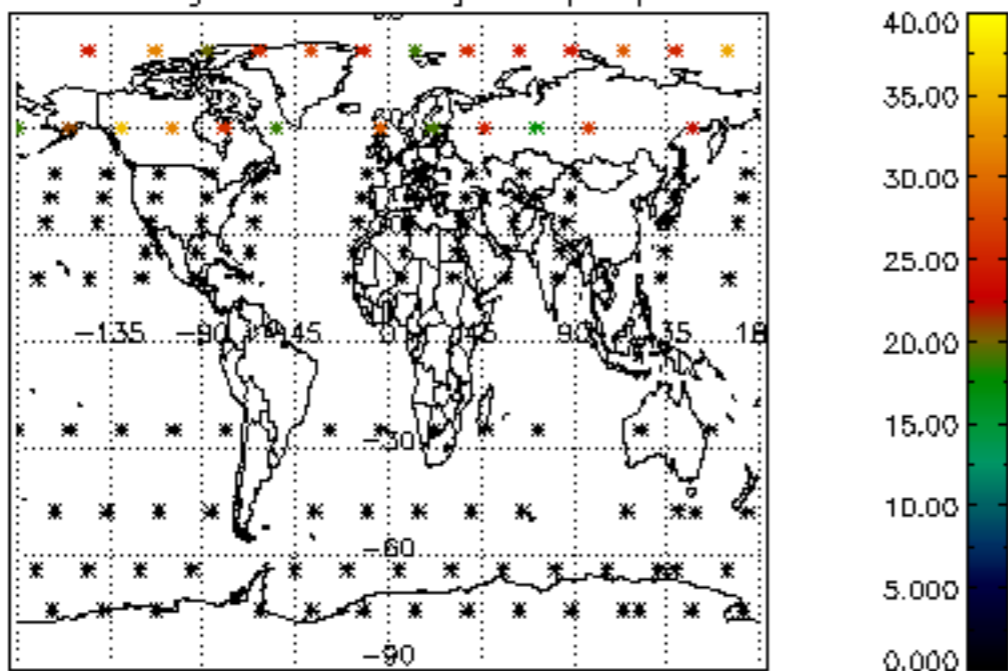
Percentage of star falling outside central band per profile



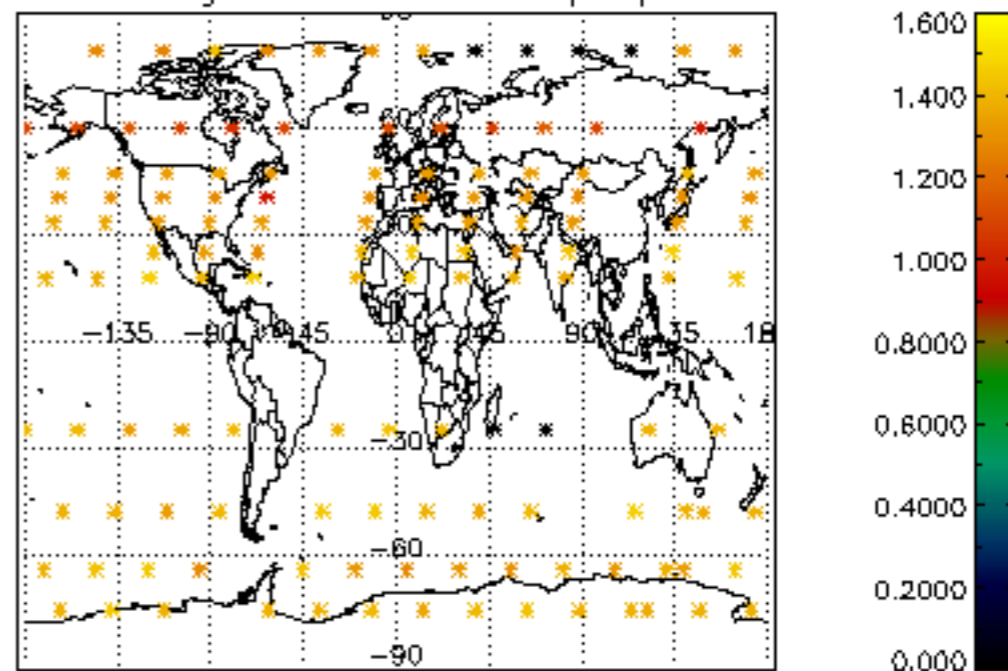
Percentage of saturation errors per profile



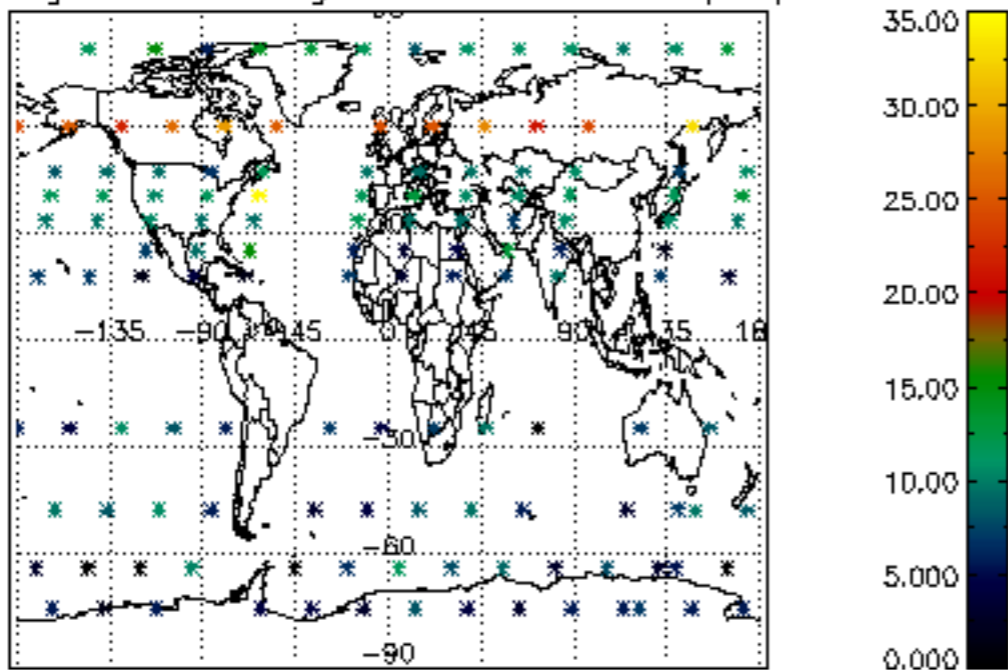
Percentage of cosmic ray hits per profile



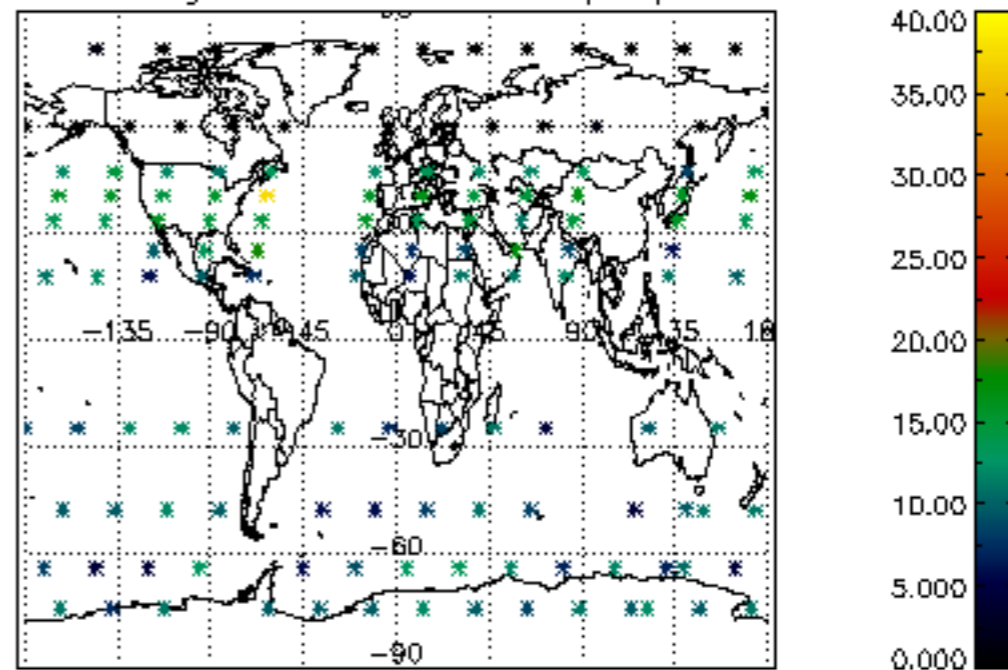
Percentage of datation errors per profile

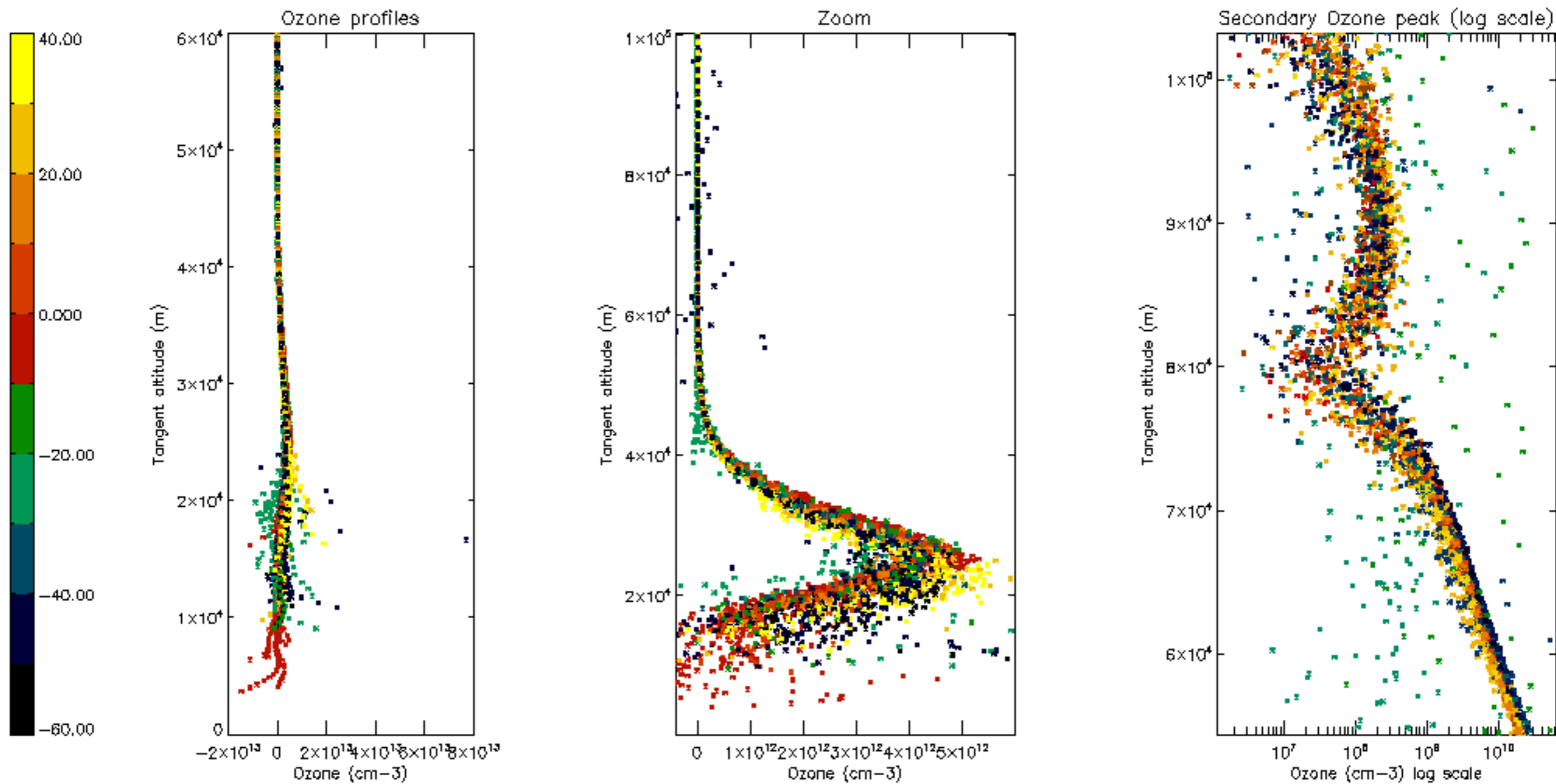


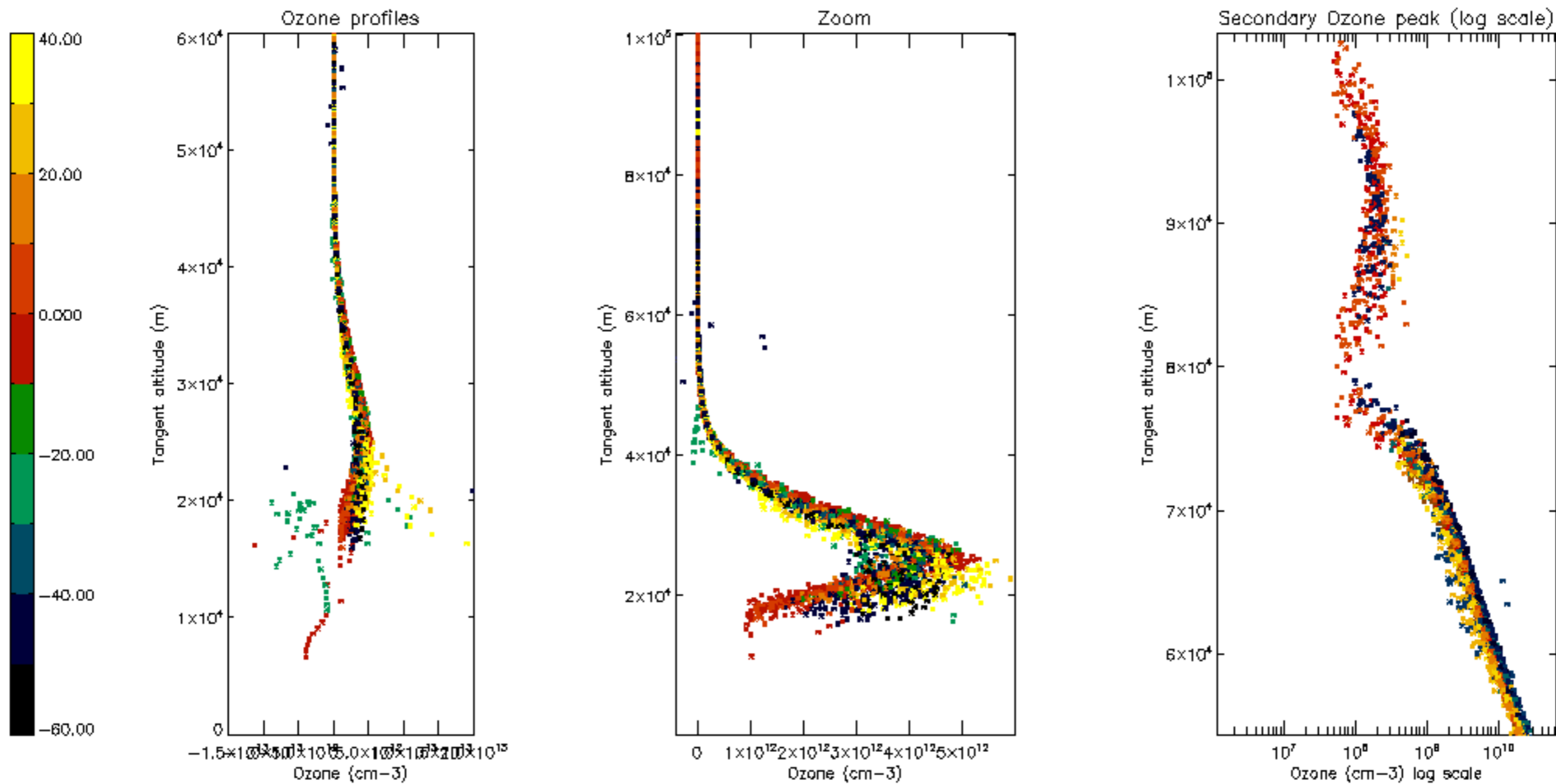
Percentage of star falling outside central band per profile

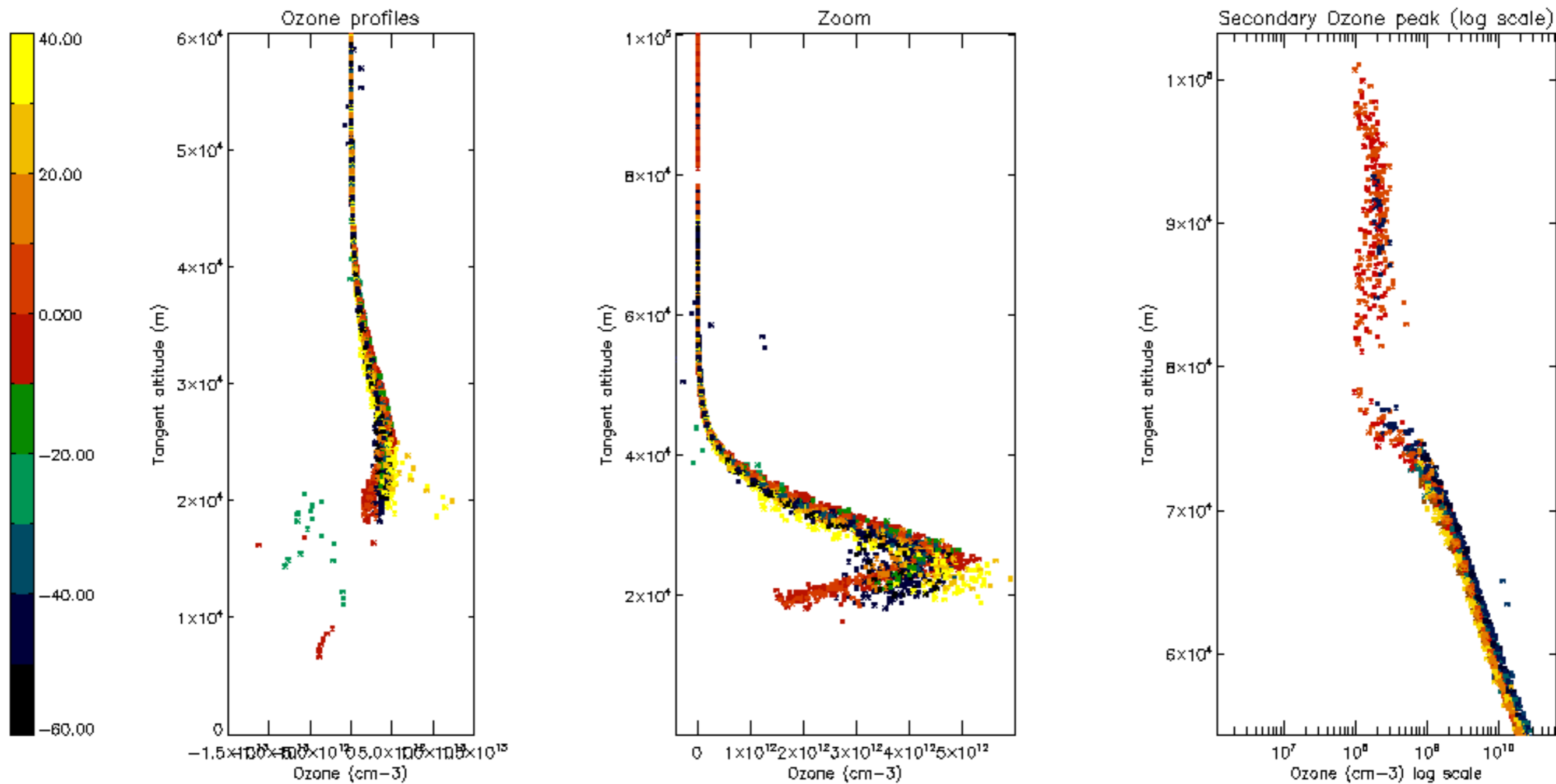


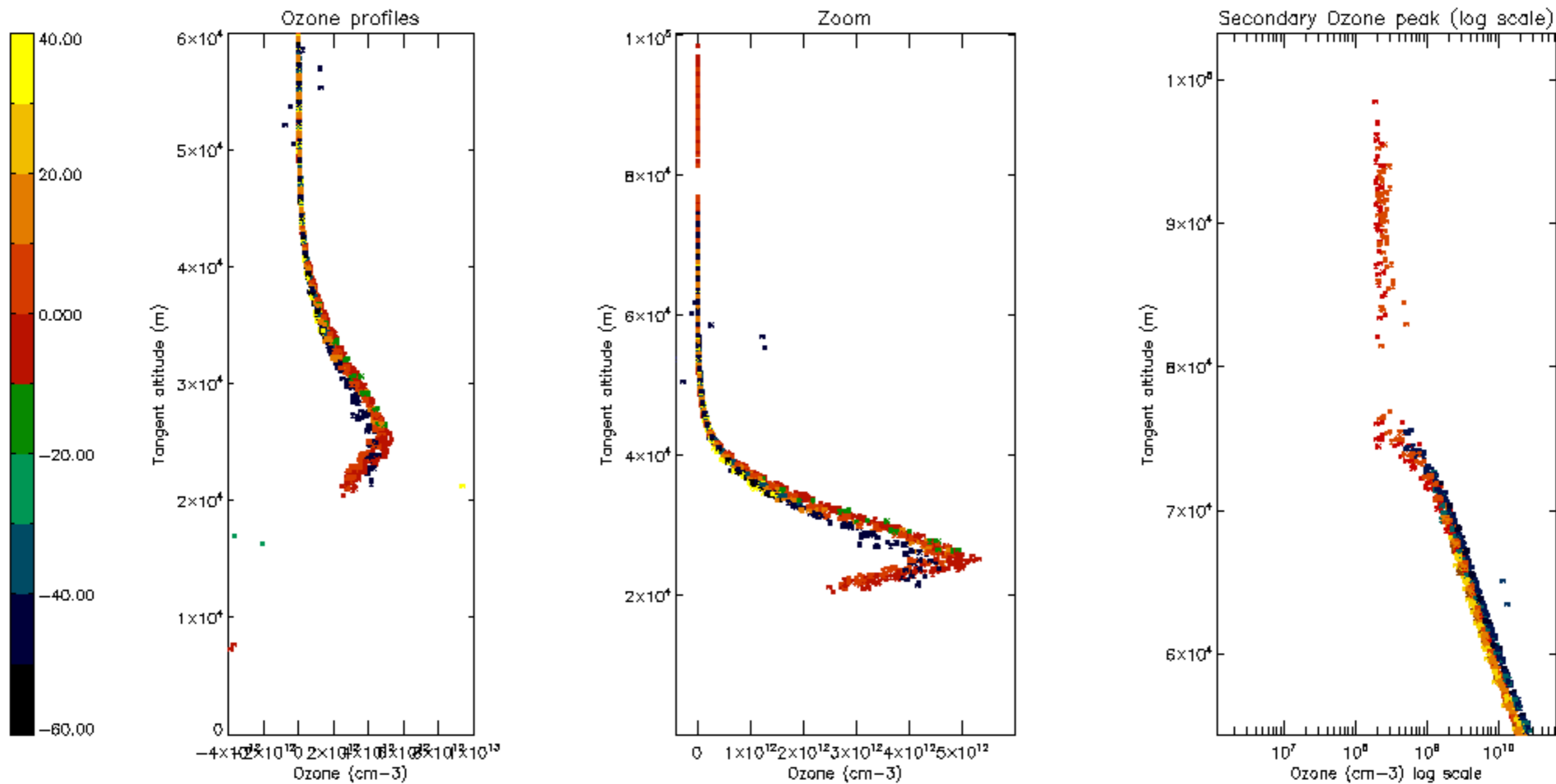
Percentage of saturation errors per profile

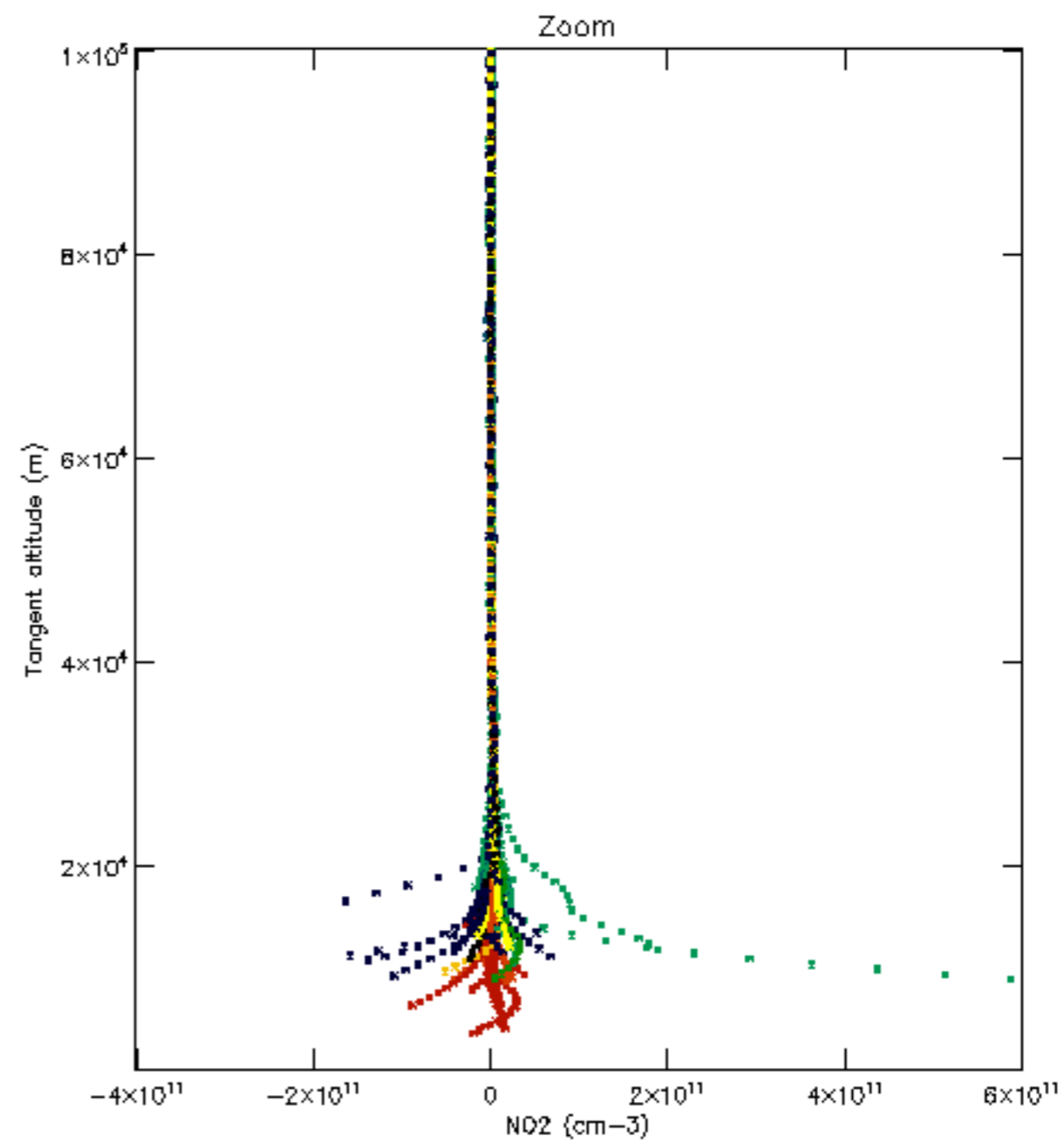
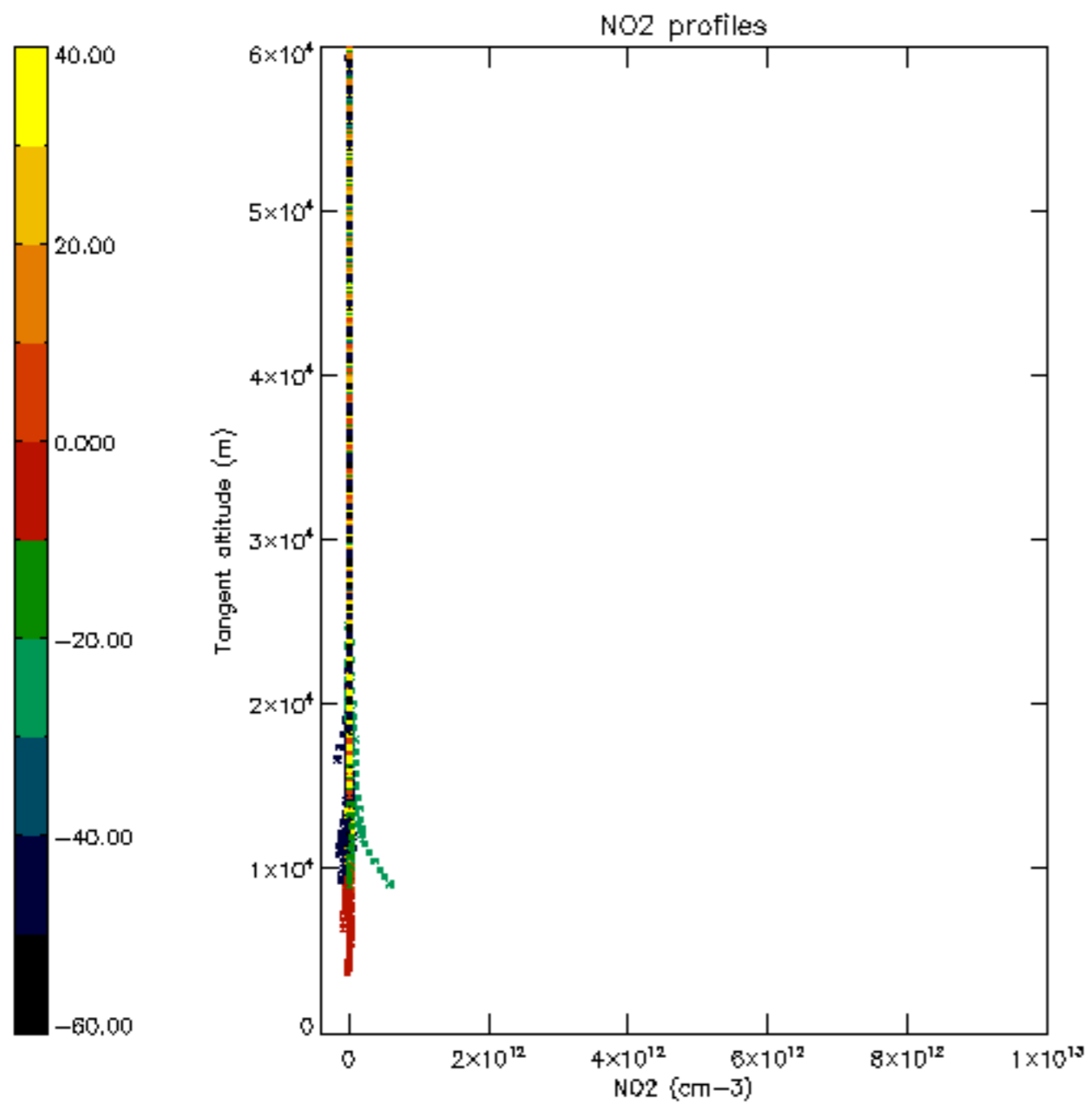


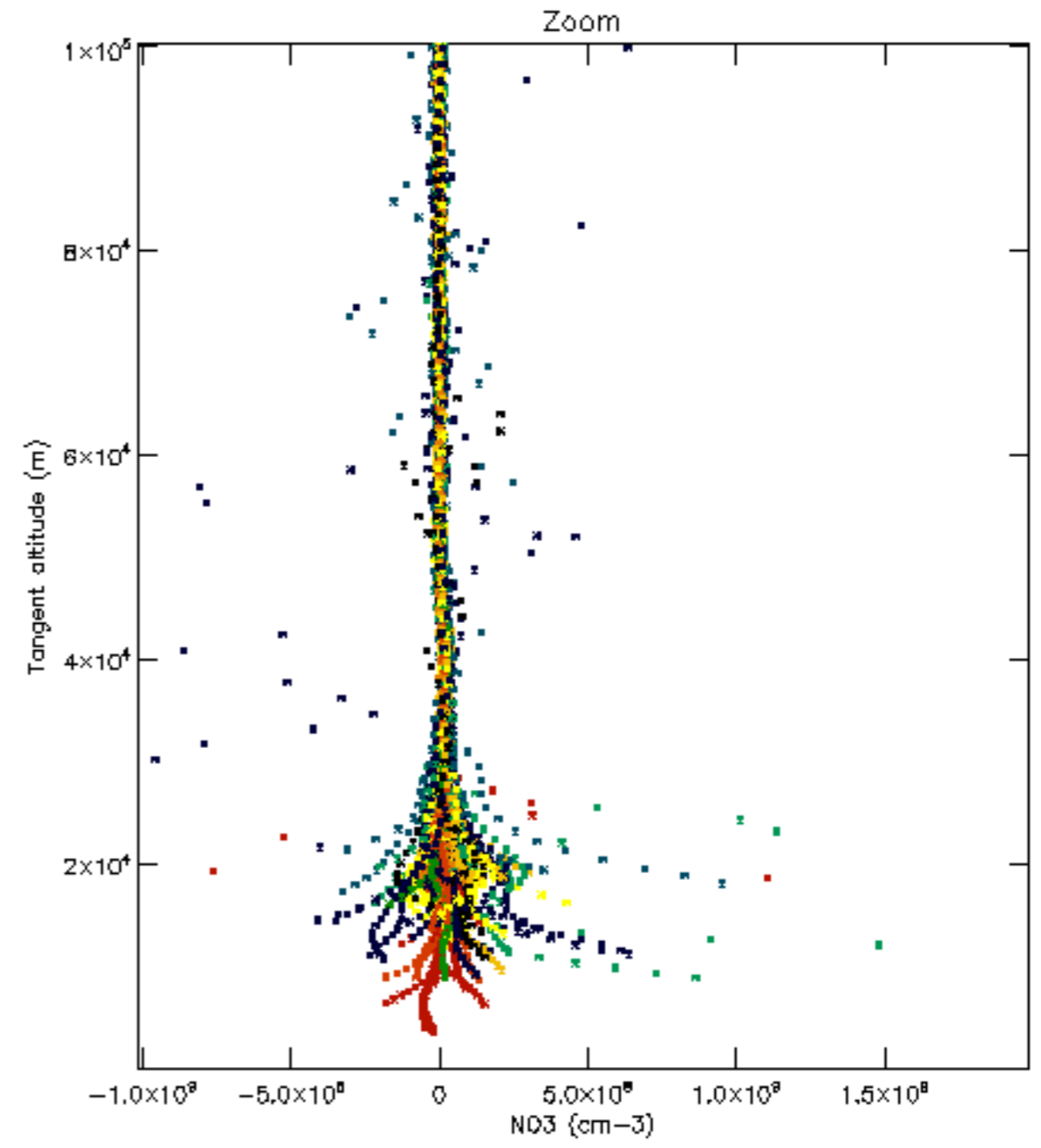
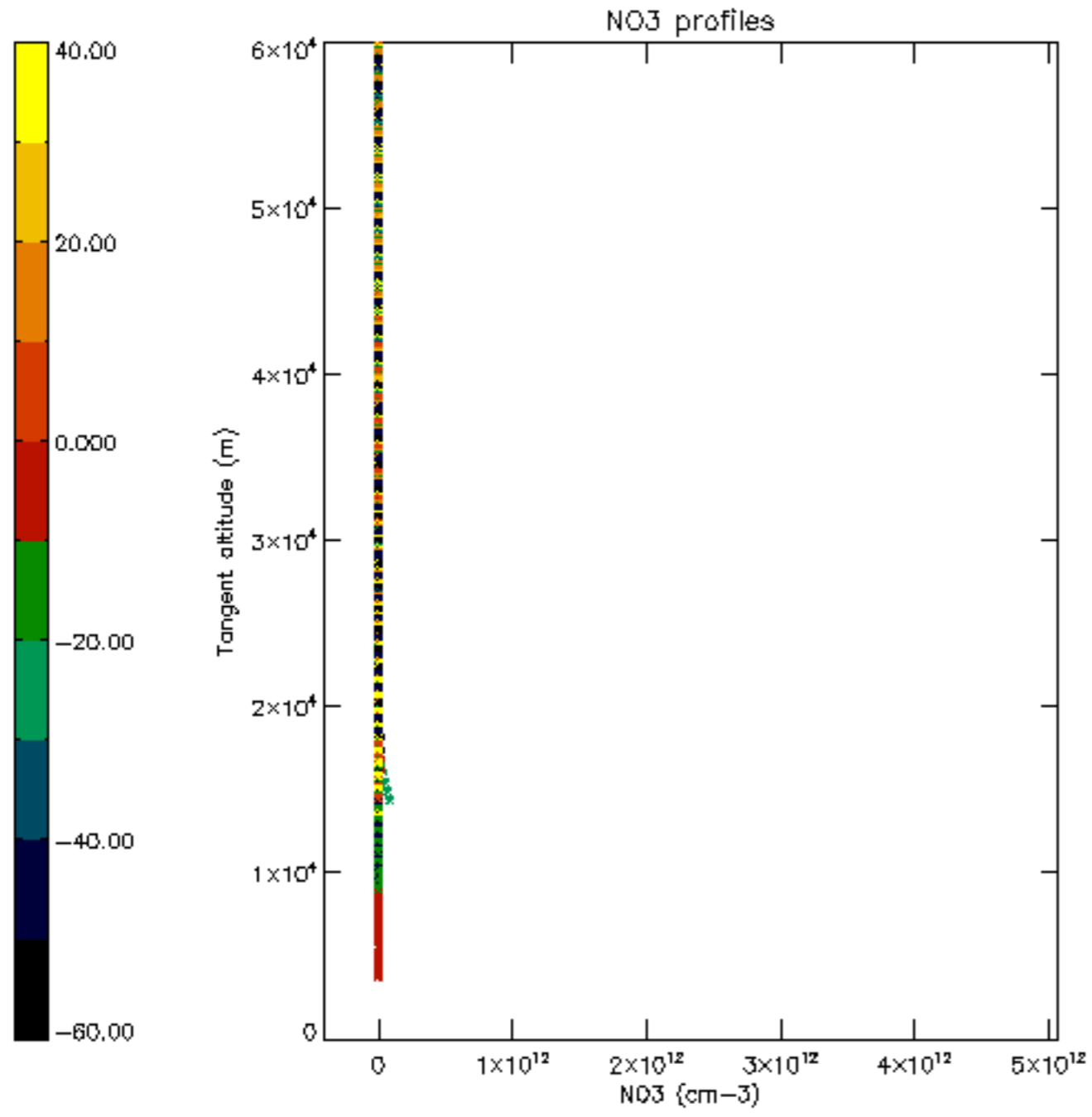


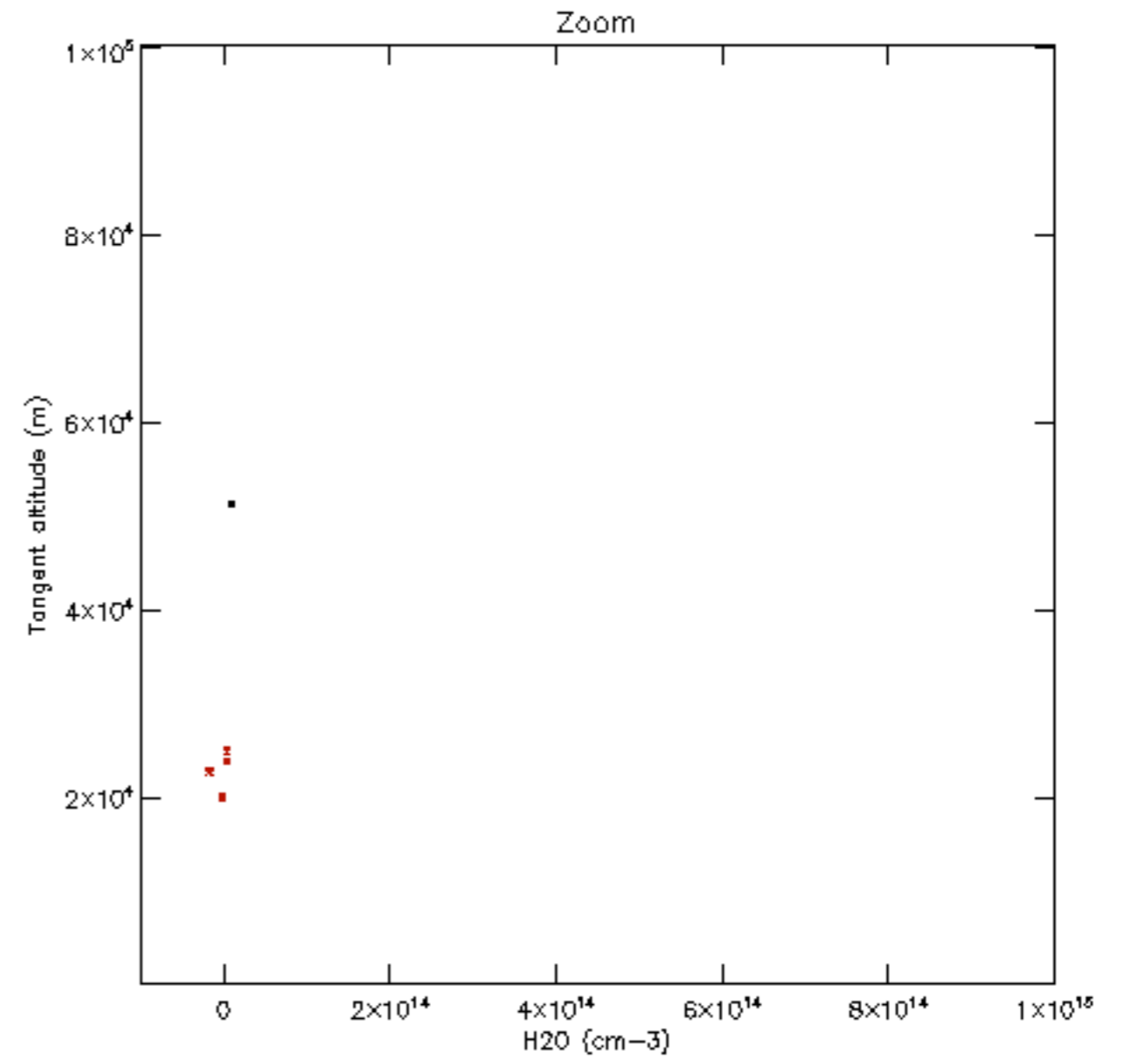
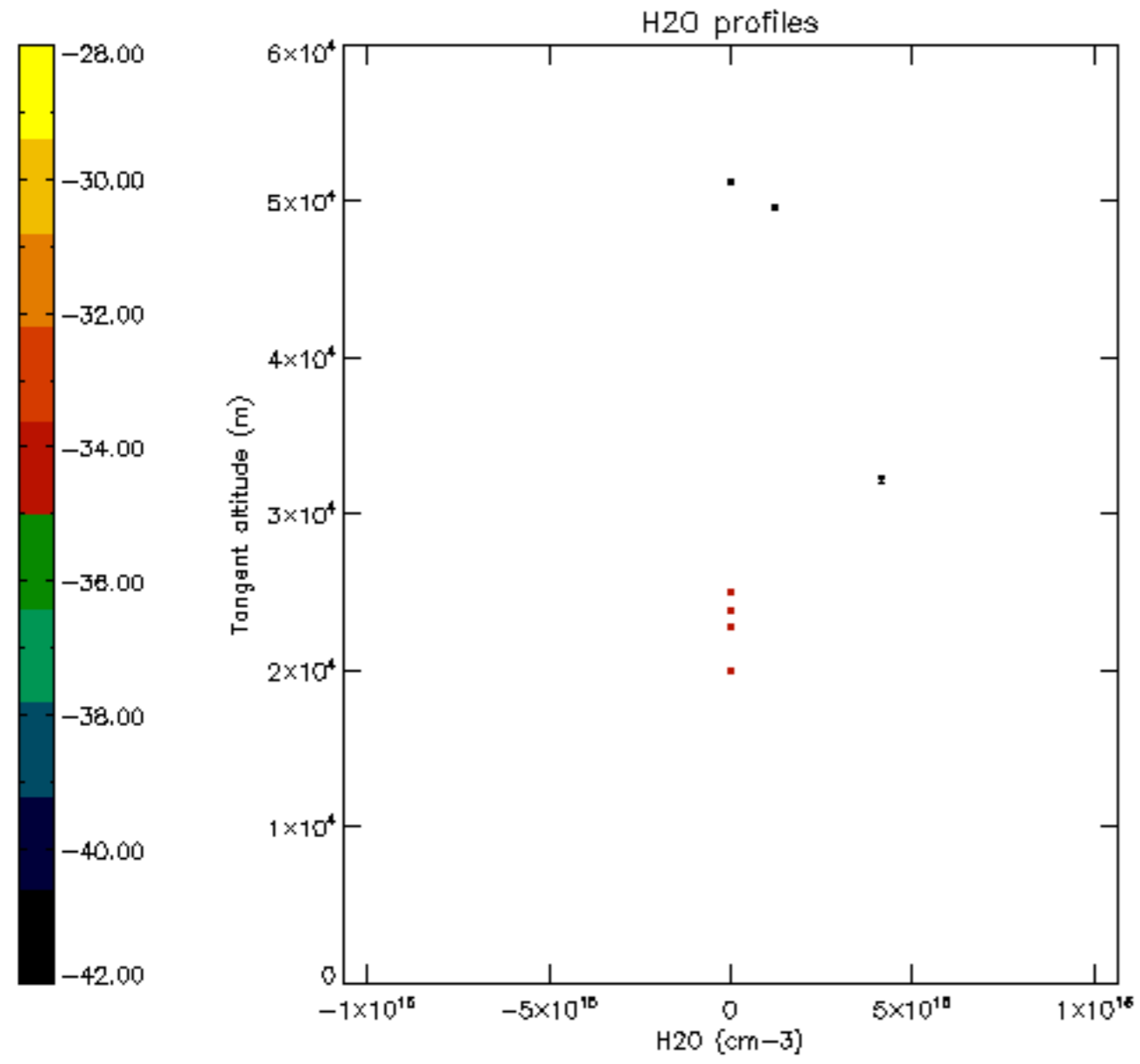


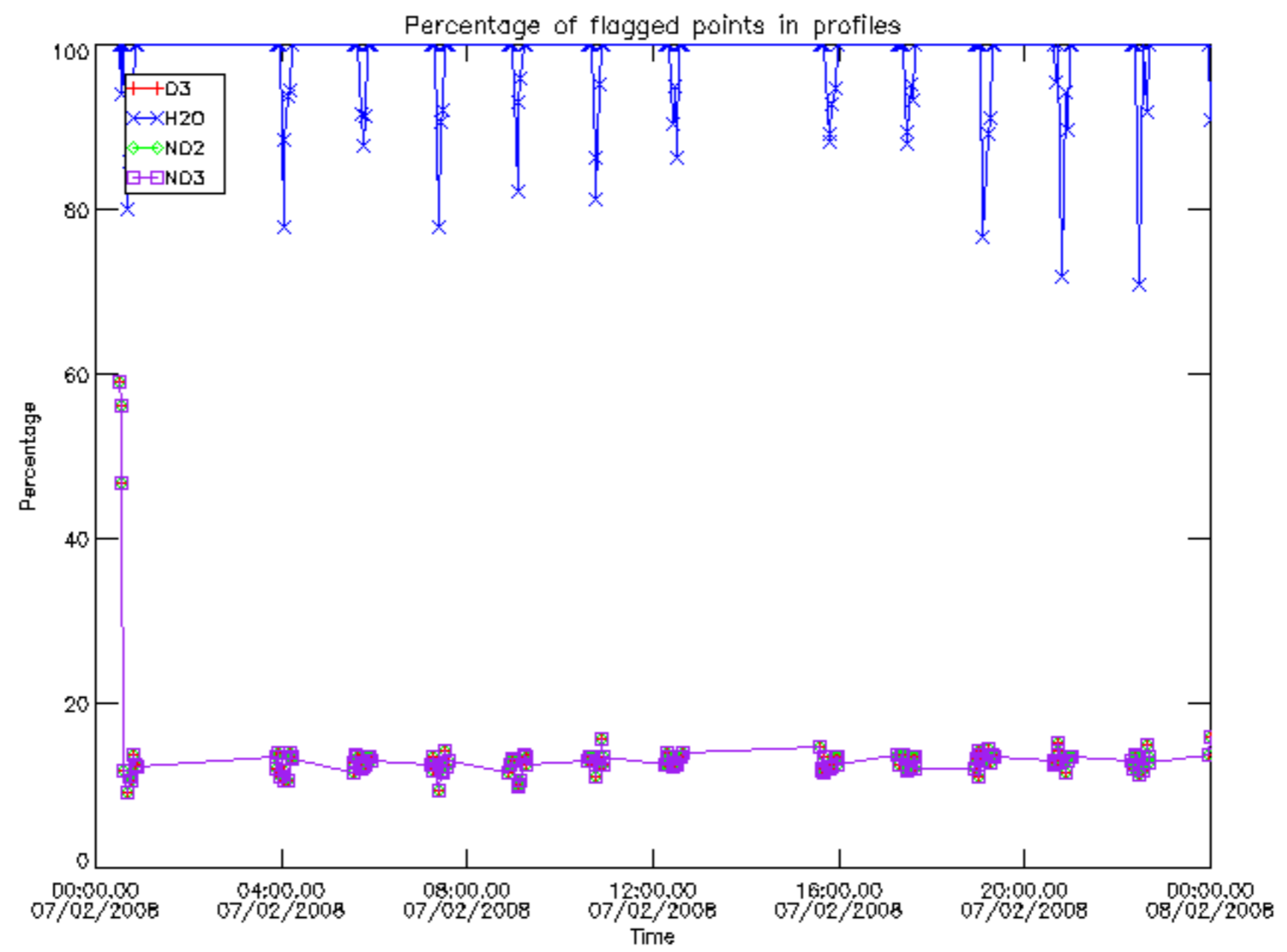




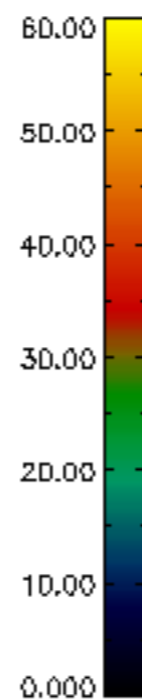
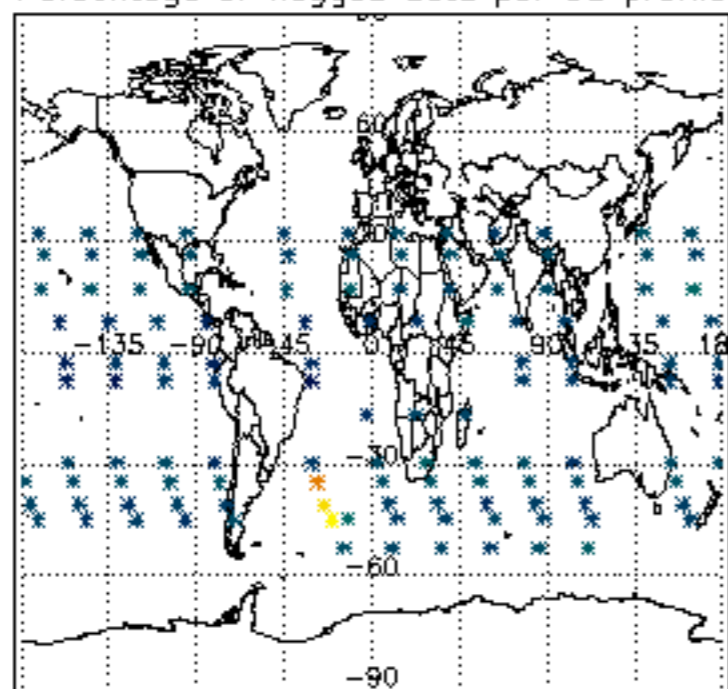




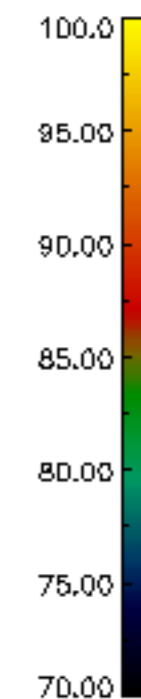
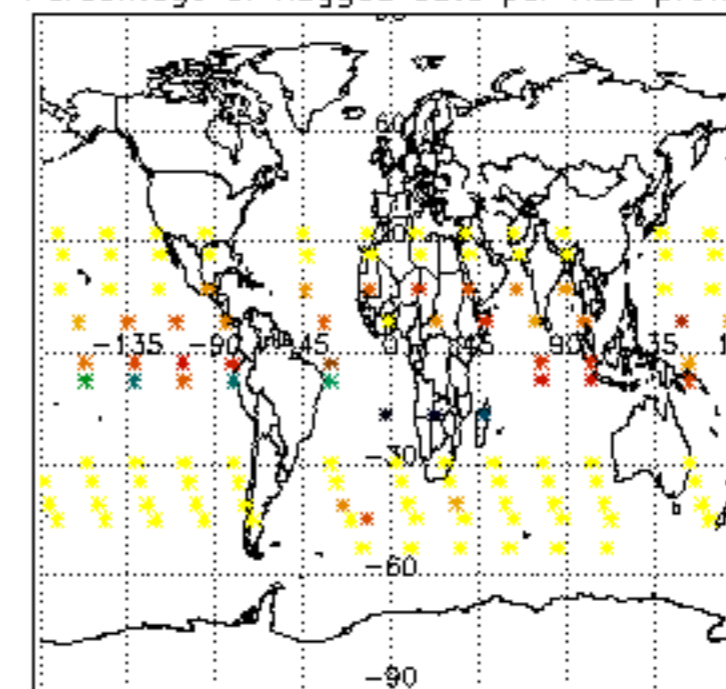




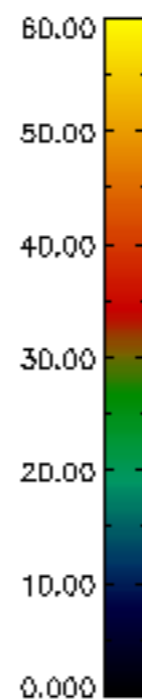
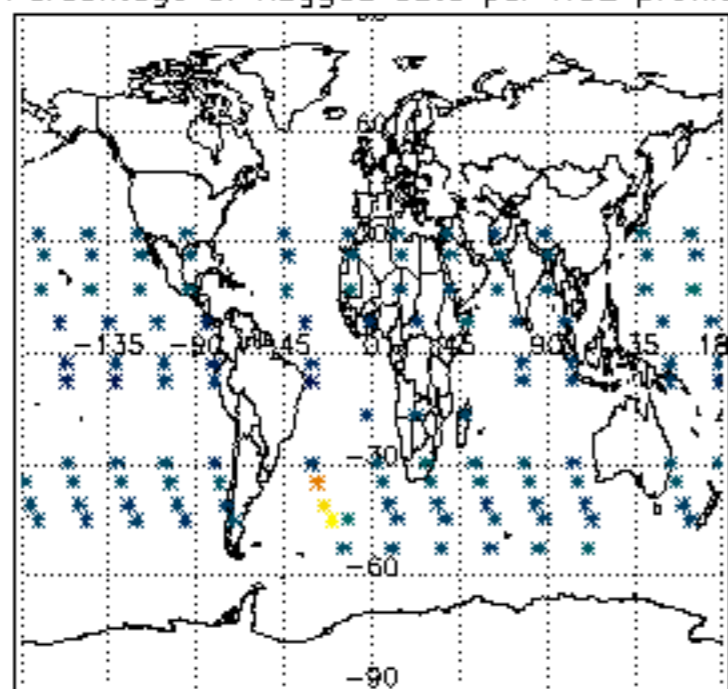
Percentage of flagged data per D3 profile



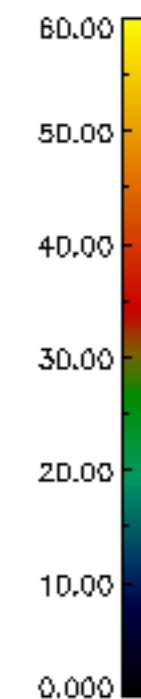
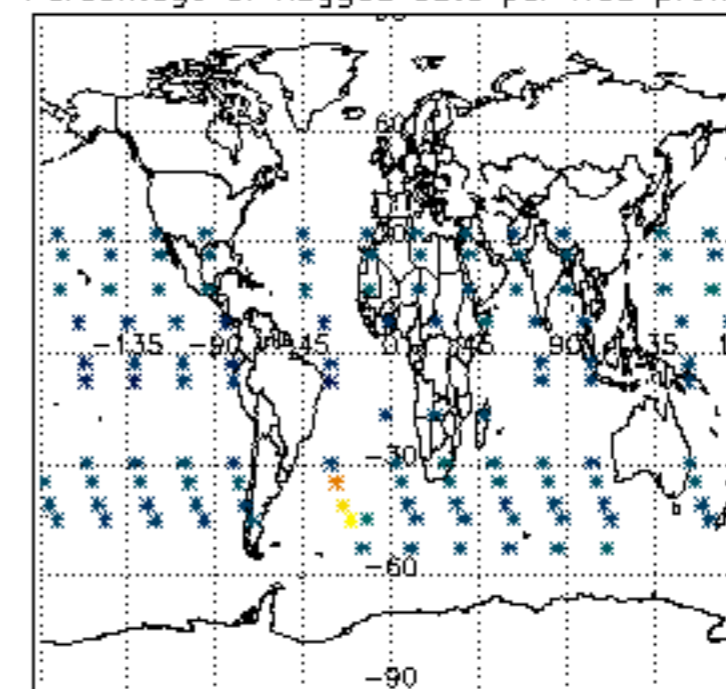
Percentage of flagged data per H2O profile

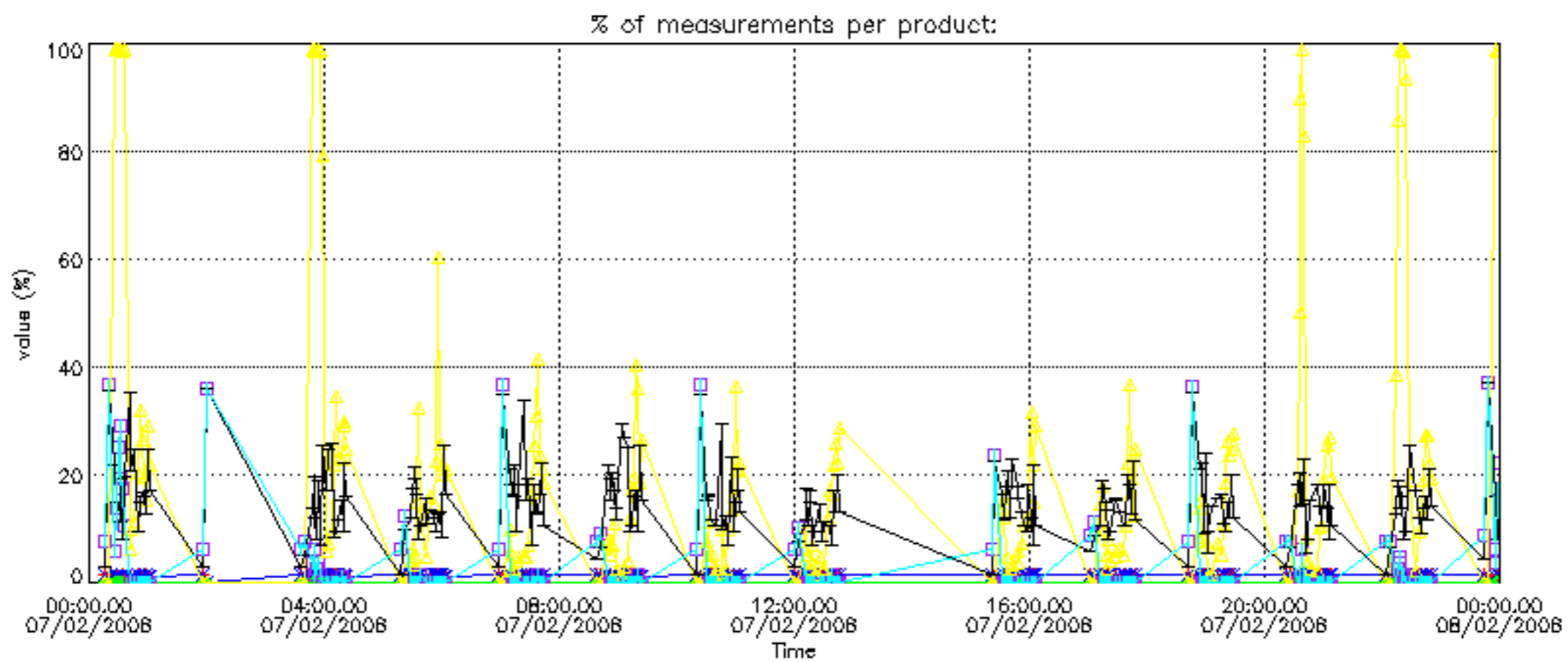


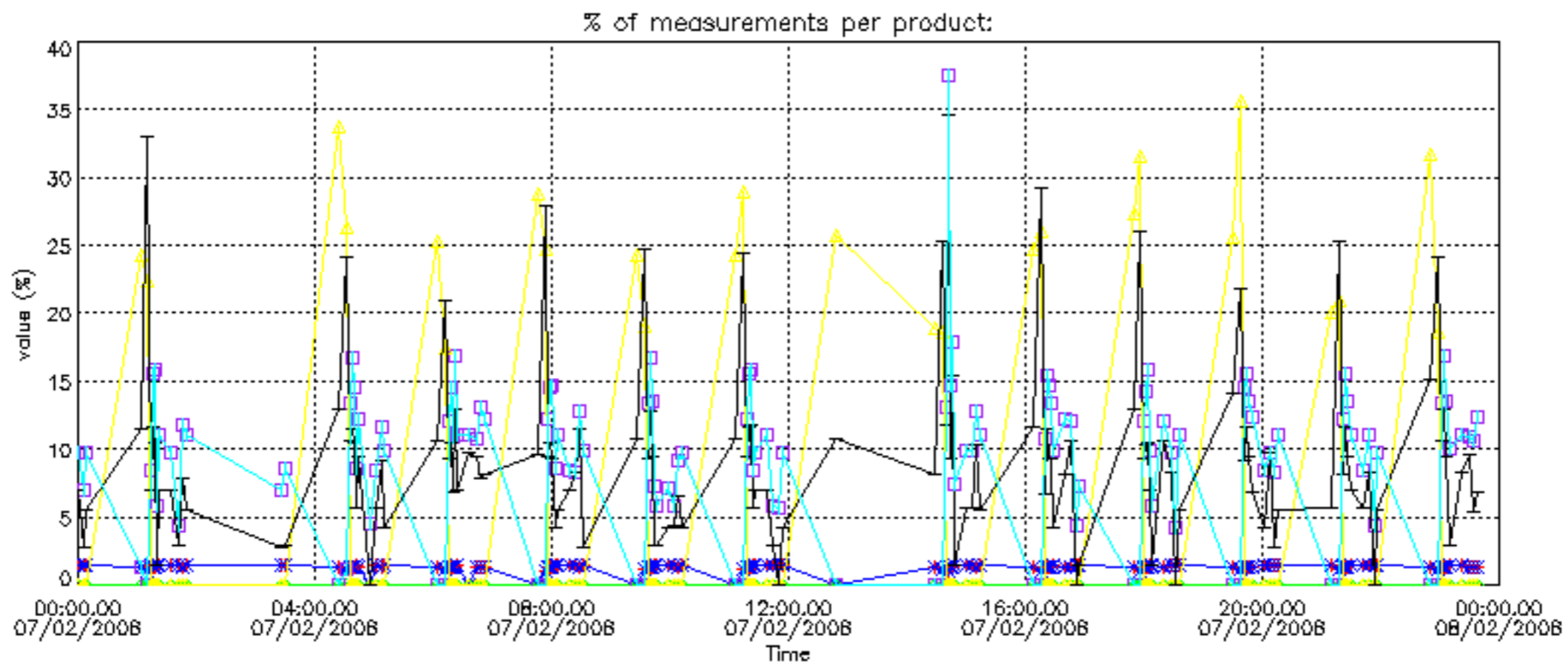
Percentage of flagged data per NO2 profile



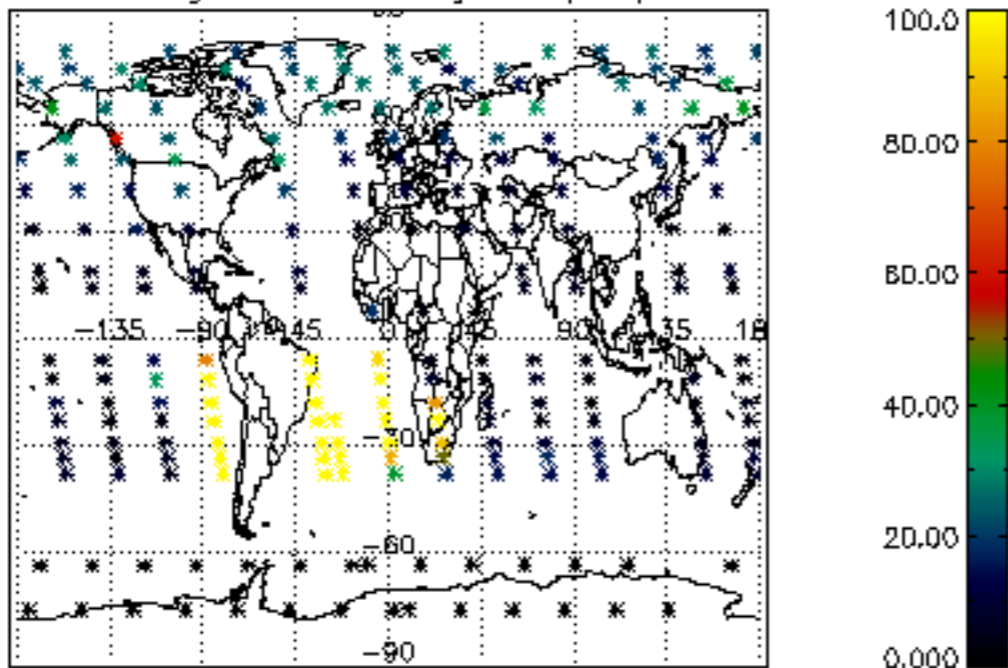
Percentage of flagged data per NO3 profile



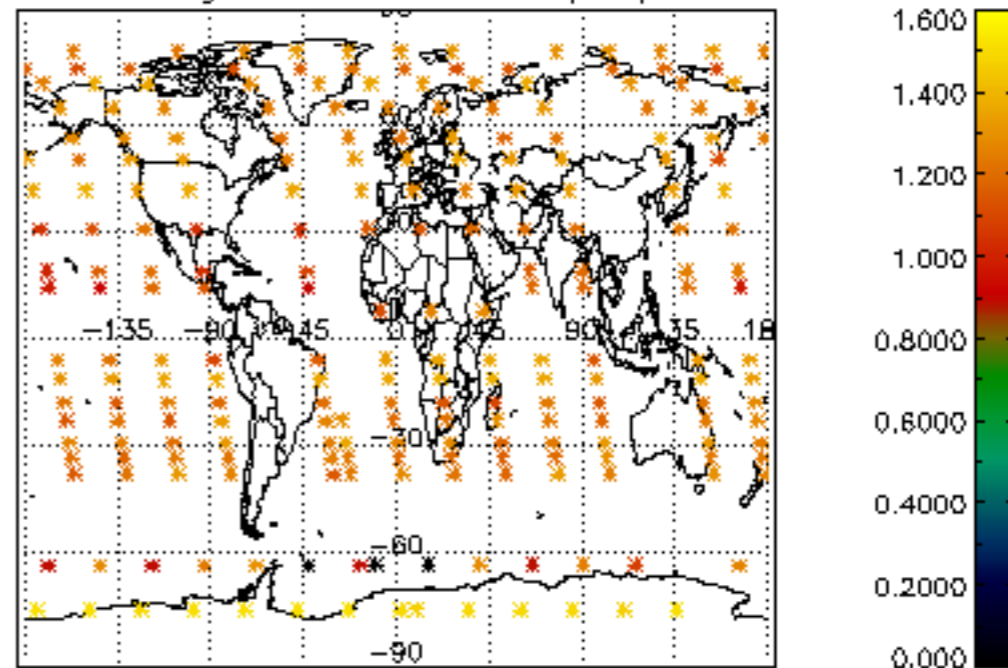




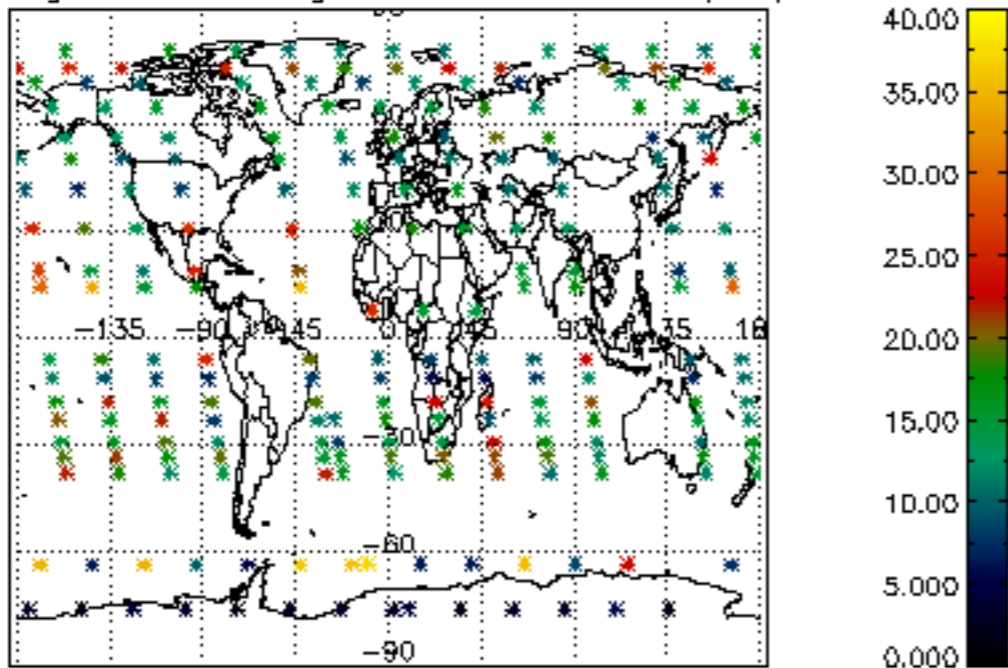
Percentage of cosmic ray hits per profile



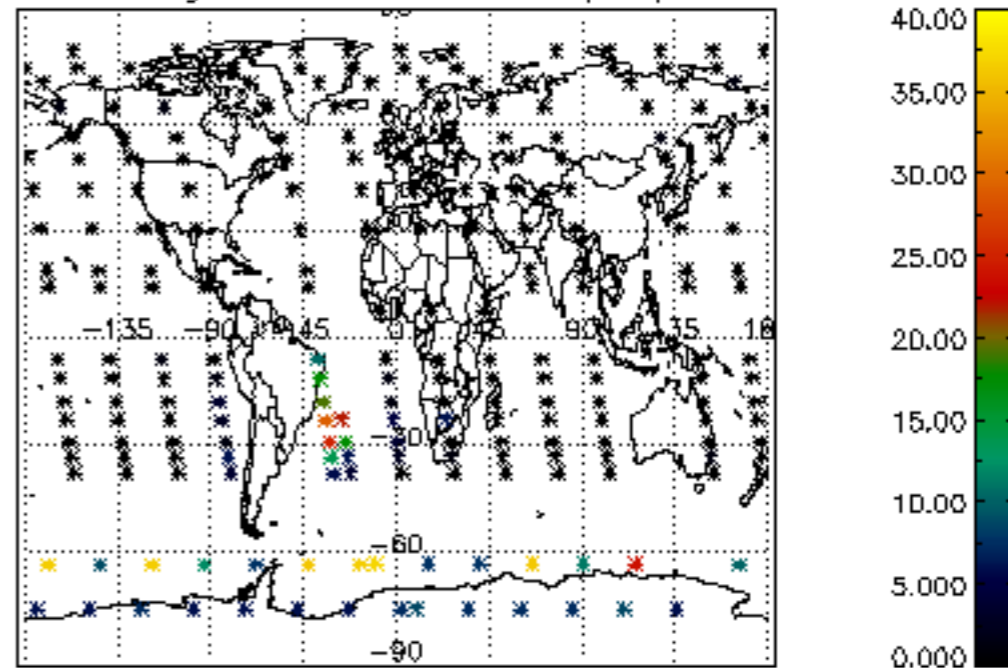
Percentage of datation errors per profile



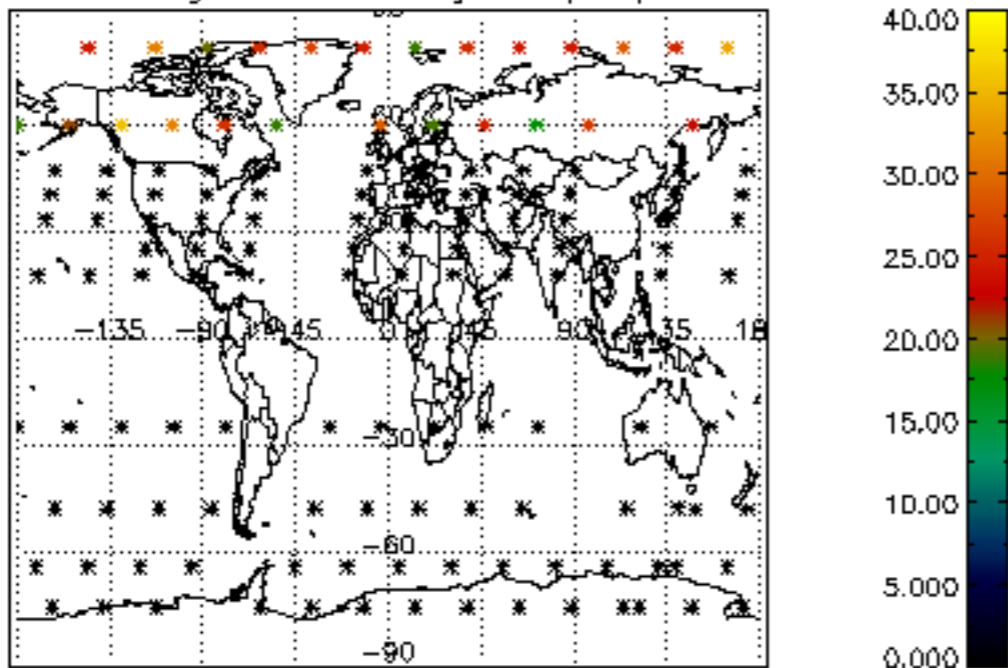
Percentage of star falling outside central band per profile



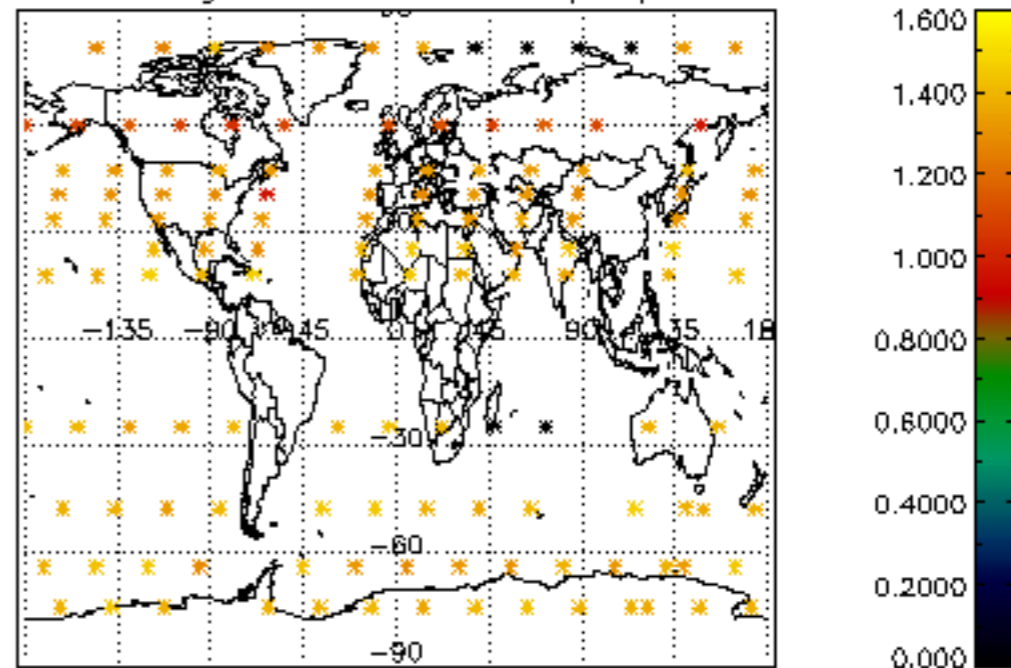
Percentage of saturation errors per profile



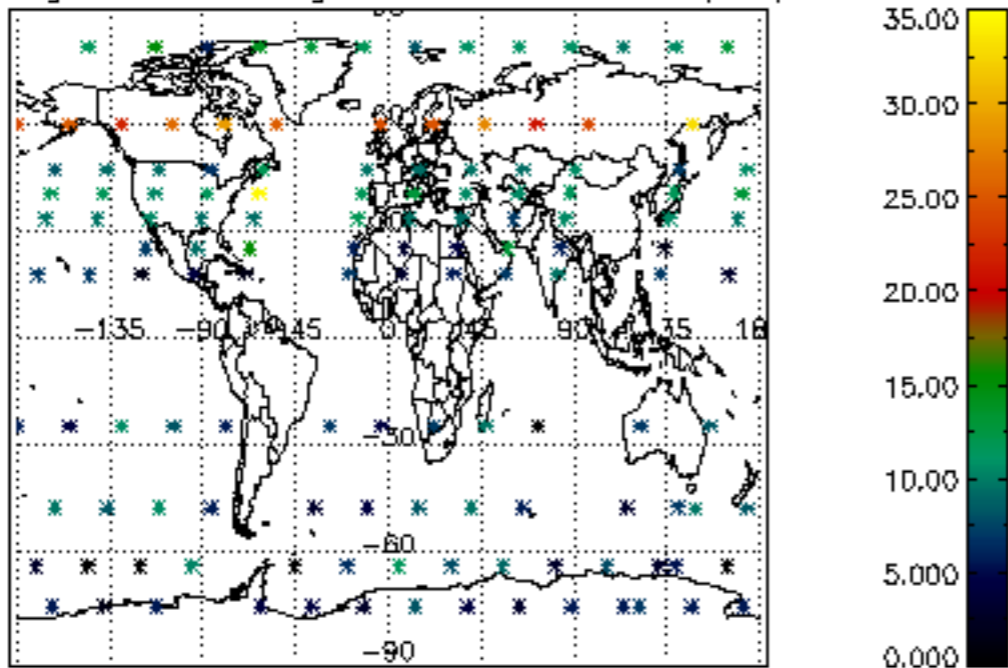
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

