

GOMOS Level 2 Daily Report

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

Item	Value
Time of report generation	29APR2013 16:58:58
Data source version	GOMOS/6.01
Start time of products	13-12-2010 (13DEC2010 00:00:00)
Stop time of products	14-12-2010 (14DEC2010 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	385
Nb of prods with errors	0

2. Summary of processed GOM_NL__2P products.

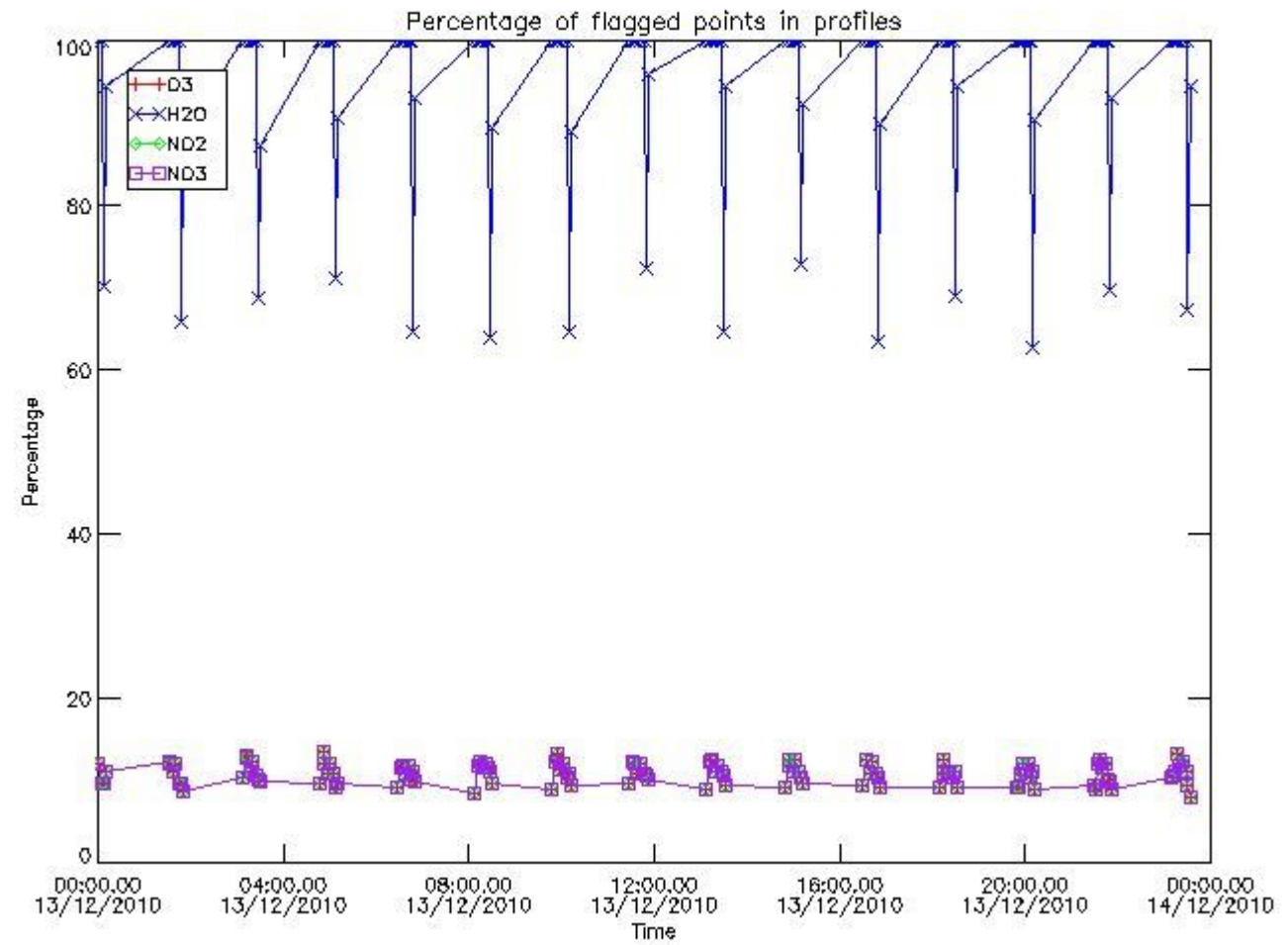
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20101213_000012_000000433097_00232_45936_3915.N1	13-DEC-2010 00:00:12	Dark	42.500	71	Iot Car	2.2460	7700.0	85	45936	No
2	GOM_NL__2PRFIN20101213_000446_000000533097_00232_45936_3916.N1	13-DEC-2010 00:04:46	Dark	53.000	34	Gam2Vel	1.7930	23000.	106	45936	No
3	GOM_NL__2PRFIN20101213_000708_000000533097_00232_45936_3917.N1	13-DEC-2010 00:07:08	Dark	52.500	2	Alp Car	-0.73600	7000.0	105	45936	No
4	GOM_NL__2PRFIN20101213_000942_000000563097_00232_45936_3918.N1	13-DEC-2010 00:09:42	Dark	55.500	117	Pi Pup	2.7060	3800.0	111	45936	No
5	GOM_NL__2PRFIN20101213_001303_000000573097_00232_45936_3919.N1	13-DEC-2010 00:13:03	Straylight	56.500	23	21Eps CMa	1.5020	26000.	113	45936	No
6	GOM_NL__2PRFIN20101213_001748_000000553097_00232_45936_3920.N1	13-DEC-2010 00:17:48	Straylight	54.500	47	2Bet CMa	1.9760	28000.	109	45936	No
7	GOM_NL__2PRFIN20101213_002126_000000563097_00232_45936_3921.N1	13-DEC-2010 00:21:26	Straylight	55.500	7	19Bet Ori	0.10000	14000.	111	45936	No
8	GOM_NL__2PRFIN20101213_002347_000000503097_00232_45936_3922.N1	13-DEC-2010 00:23:47	Straylight	49.500	30	46Eps Ori	1.6940	30000.	99	45936	No
9	GOM_NL__2PRFIN20101213_002611_000000503097_00232_45936_3923.N1	13-DEC-2010 00:26:11	Twi_and_stray	50.000	27	24Gam Ori	1.6360	26000.	100	45936	No
10	GOM_NL__2PRFIN20101213_002850_000000553097_00232_45936_3924.N1	13-DEC-2010 00:28:50	Twi_and_stray	54.500	13	87Alp Tau	0.86700	3800.0	109	45936	No
11	GOM_NL__2PRFIN20101213_003119_000000453097_00232_45936_3925.N1	13-DEC-2010 00:31:19	Bright	44.500	176	23Zet Tau	3.0200	22000.	89	45936	No
12	GOM_NL__2PRFIN20101213_003321_000000443097_00232_45936_3926.N1	13-DEC-2010 00:33:21	Bright	44.000	28	12Bet Tau	1.6500	15200.	88	45936	No
13	GOM_NL__2PRFIN20101213_003525_000000363097_00232_45936_3927.N1	13-DEC-2010 00:35:25	Bright	36.000	149	45Eps Per	2.8880	30000.	72	45936	No
14	GOM_NL__2PRFIN20101213_003707_000000463097_00232_45936_3928.N1	13-DEC-2010 00:37:07	Bright	45.500	107	37The Aur	2.6490	11000.	91	45936	No
15	GOM_NL__2PRFIN20101213_003914_000000443097_00232_45936_3929.N1	13-DEC-2010 00:39:14	Bright	43.500	42	34Bet Aur	1.9000	10200.	87	45936	No
16	GOM_NL__2PRFIN20101213_005440_000000493097_00232_45936_3930.N1	13-DEC-2010 00:54:40	Bright	49.000	36	50Alp UMa	1.8000	6300.0	98	45936	No
17	GOM_NL__2PRFIN20101213_005840_000000413097_00232_45936_3931.N1	13-DEC-2010 00:58:40	Bright	40.500	32	77Eps UMa	1.7630	11000.	81	45936	No
18	GOM_NL__2PRFIN20101213_010108_000000573097_00232_45936_3932.N1	13-DEC-2010 01:01:08	Bright	57.000	39	85Eta UMa	1.8540	24000.	114	45936	No
19	GOM_NL__2PRFIN20101213_010422_000000453097_00232_45936_3933.N1	13-DEC-2010 01:04:22	Bright	44.500	180	27Gam Boo	3.0400	8000.0	89	45936	No
20	GOM_NL__2PRFIN20101213_011044_000000403097_00232_45936_3934.N1	13-DEC-2010 01:10:44	Bright	39.500	111	8Eta Boo	2.6800	6000.0	79	45936	No
21	GOM_NL__2PRFIN20101213_011426_000000493097_00232_45936_3935.N1	13-DEC-2010 01:14:26	Bright	49.000	138	47Eps Vir	2.8280	4700.0	98	45936	No
22	GOM_NL__2PRFIN20101213_012022_000000503097_00232_45936_3936.N1	13-DEC-2010 01:20:22	Twi_and_stray	49.500	15	67Alp Vir	0.97600	28000.	99	45936	No
23	GOM_NL__2PRFIN20101213_012350_000000453097_00232_45936_3937.N1	13-DEC-2010 01:23:50	Twilight	44.500	169	46Gam Hya	2.9910	4700.0	89	45936	No
24	GOM_NL__2PRFIN20101213_013113_000000423097_00232_45936_3938.N1	13-DEC-2010 01:31:13	Dark	41.500	64	Gam Cen	2.2000	10600.	83	45936	No
25	GOM_NL__2PRFIN20101213_013248_000000423097_00233_45937_3922.N1	13-DEC-2010 01:32:48	Dark	42.000	99	Del Cen	2.5750	26000.	84	45937	No
26	GOM_NL__2PRFIN20101213_013629_000000463097_00233_45937_3923.N1	13-DEC-2010 01:36:29	Dark	46.000	113	Mu Vel	2.6920	5000.0	92	45937	No
27	GOM_NL__2PRFIN20101213_014027_000000423097_00233_45937_3924.N1	13-DEC-2010 01:40:27	Dark	42.000	71	Iot Car	2.2460	7700.0	84	45937	No
28	GOM_NL__2PRFIN20101213_014501_000000533097_00233_45937_3925.N1	13-DEC-2010 01:45:01	Dark	52.500	34	Gam2Vel	1.7930	23000.	105	45937	No
29	GOM_NL__2PRFIN20101213_014722_000000533097_00233_45937_3926.N1	13-DEC-2010 01:47:22	Dark	53.000	2	Alp Car	-0.73600	7000.0	106	45937	No
30	GOM_NL__2PRFIN20101213_014957_000000593097_00233_45937_3927.N1	13-DEC-2010 01:49:57	Dark	58.500	117	Pi Pup	2.7060	3800.0	117	45937	No
31	GOM_NL__2PRFIN20101213_015317_000000573097_00233_45937_3928.N1	13-DEC-2010 01:53:17	Straylight	57.000	23	21Eps CMa	1.5020	26000.	114	45937	No
32	GOM_NL__2PRFIN20101213_015803_000000563097_00233_45937_3929.N1	13-DEC-2010 01:58:03	Straylight	55.500	47	2Bet CMa	1.9760	28000.	111	45937	No
33	GOM_NL__2PRFIN20101213_020140_000000533097_00233_45937_3930.N1	13-DEC-2010 02:01:40	Straylight	52.500	7	19Bet Ori	0.10000	14000.	105	45937	No
34	GOM_NL__2PRFIN20101213_020401_000000513097_00233_45937_3931.N1	13-DEC-2010 02:04:01	Straylight	51.000	30	46Eps Ori	1.6940	30000.	102	45937	No
35	GOM_NL__2PRFIN20101213_020625_000000513097_00233_45937_3932.N1	13-DEC-2010 02:06:25	Twi_and_stray	51.000	27	24Gam Ori	1.6360	26000.	102	45937	No
36	GOM_NL__2PRFIN20101213_020904_000000563097_00233_45937_3933.N1	13-DEC-2010 02:09:04	Twi_and_stray	56.000	13	87Alp Tau	0.86700	3800.0	112	45937	No
37	GOM_NL__2PRFIN20101213_021132_000000463097_00233_45937_3934.N1	13-DEC-2010 02:11:32	Bright	45.500	176	23Zet Tau	3.0200	22000.	91	45937	No
38	GOM_NL__2PRFIN20101213_021334_000000443097_00233_45937_3935.N1	13-DEC-2010 02:13:34	Bright	43.500	28	12Bet Tau	1.6500	15200.	87	45937	No
39	GOM_NL__2PRFIN20101213_021538_000000373097_00233_45937_3936.N1	13-DEC-2010 02:15:38	Bright	36.500	149	45Eps Per	2.8880	30000.	73	45937	No
40	GOM_NL__2PRFIN20101213_021720_000000463097_00233_45937_3937.N1	13-DEC-2010 02:17:20	Bright	46.000	107	37The Aur	2.6490	11000.	92	45937	No
41	GOM_NL__2PRFIN20101213_021927_000000453097_00233_45937_3938.N1	13-DEC-2010 02:19:27	Bright	45.000	42	34Bet Aur	1.9000	10200.	90	45937	No
42	GOM_NL__2PRFIN20101213_023453_000000493097_00233_45937_3939.N1	13-DEC-2010 02:34:53	Bright	49.000	36	50Alp UMa	1.8000	6300.0	98	45937	No

338	GOM_NL__2PRFIN20101213_212318_000000513097_00244_45948_4284.N1	13-DEC-2010 21:23:18	Twilight	50.500	15	67Alp Vir	0.97600	28000.	101	45948	No
339	GOM_NL__2PRFIN20101213_212647_000000483097_00244_45948_4285.N1	13-DEC-2010 21:26:47	Twilight	47.500	169	46Gam Hya	2.9910	4700.0	95	45948	No
340	GOM_NL__2PRFIN20101213_212857_000000553097_00244_45948_4286.N1	13-DEC-2010 21:28:57	Dark	54.500	100	4Gam Crv	2.5800	13100.	109	45948	No
341	GOM_NL__2PRFIN20101213_213033_000000583097_00244_45948_4287.N1	13-DEC-2010 21:30:33	Dark	57.500	171	2Eps Crv	3.0010	4250.0	115	45948	No
342	GOM_NL__2PRFIN20101213_213409_000000423097_00244_45948_4288.N1	13-DEC-2010 21:34:09	Dark	42.000	64	Gam Cen	2.2000	10600.	84	45948	No
343	GOM_NL__2PRFIN20101213_213544_000000413097_00245_45949_4291.N1	13-DEC-2010 21:35:44	Dark	41.000	99	Del Cen	2.5750	26000.	82	45949	No
344	GOM_NL__2PRFIN20101213_213928_000000453097_00245_45949_4292.N1	13-DEC-2010 21:39:28	Dark	44.500	113	Mu Vel	2.6920	5000.0	89	45949	No
345	GOM_NL__2PRFIN20101213_214323_000000423097_00245_45949_4293.N1	13-DEC-2010 21:43:23	Dark	42.000	71	Iot Car	2.2460	7700.0	84	45949	No
346	GOM_NL__2PRFIN20101213_214758_000000513097_00245_45949_4294.N1	13-DEC-2010 21:47:58	Dark	50.500	34	Gam2Vel	1.7930	23000.	101	45949	No
347	GOM_NL__2PRFIN20101213_215016_000000523097_00245_45949_4295.N1	13-DEC-2010 21:50:16	Dark	51.500	2	Alp Car	-0.73600	7000.0	103	45949	No
348	GOM_NL__2PRFIN20101213_215252_000000573097_00245_45949_4296.N1	13-DEC-2010 21:52:52	Dark	57.000	117	Pi Pup	2.7060	3800.0	114	45949	No
349	GOM_NL__2PRFIN20101213_215611_000000583097_00245_45949_4297.N1	13-DEC-2010 21:56:11	Straylight	58.000	23	21Eps CMa	1.5020	26000.	116	45949	No
350	GOM_NL__2PRFIN20101213_220053_000000553097_00245_45949_4298.N1	13-DEC-2010 22:00:53	Straylight	55.000	47	2Bet CMa	1.9760	28000.	110	45949	No
351	GOM_NL__2PRFIN20101213_220429_000000583097_00245_45949_4299.N1	13-DEC-2010 22:04:29	Straylight	58.000	7	19Bet Ori	0.10000	14000.	116	45949	No
352	GOM_NL__2PRFIN20101213_220648_000000513097_00245_45949_4300.N1	13-DEC-2010 22:06:48	Straylight	51.000	30	46Eps Ori	1.6940	30000.	102	45949	No
353	GOM_NL__2PRFIN20101213_221003_000000503097_00245_45949_4301.N1	13-DEC-2010 22:10:03	Twilight	50.000	14	58Alp Ori	0.87000	3000.0	100	45949	No
354	GOM_NL__2PRFIN20101213_221151_000000503097_00245_45949_4302.N1	13-DEC-2010 22:11:51	Twilight	50.000	13	87Alp Tau	0.86700	3800.0	100	45949	No
355	GOM_NL__2PRFIN20101213_221415_000000443097_00245_45949_4303.N1	13-DEC-2010 22:14:15	Bright	44.000	176	23Zet Tau	3.0200	22000.	88	45949	No
356	GOM_NL__2PRFIN20101213_221618_000000443097_00245_45949_4304.N1	13-DEC-2010 22:16:18	Bright	43.500	28	12Bet Tau	1.6500	15200.	87	45949	No
357	GOM_NL__2PRFIN20101213_221830_000000323097_00245_45949_4305.N1	13-DEC-2010 22:18:30	Bright	32.000	149	45Eps Per	2.8880	30000.	64	45949	No
358	GOM_NL__2PRFIN20101213_222000_000000463097_00245_45949_4306.N1	13-DEC-2010 22:20:00	Bright	46.000	107	37The Aur	2.6490	11000.	92	45949	No
359	GOM_NL__2PRFIN20101213_222208_000000453097_00245_45949_4307.N1	13-DEC-2010 22:22:08	Bright	44.500	42	34Bet Aur	1.9000	10200.	89	45949	No
360	GOM_NL__2PRFIN20101213_223736_000000493097_00245_45949_4308.N1	13-DEC-2010 22:37:36	Bright	48.500	36	50Alp UMa	1.8000	6300.0	97	45949	No
361	GOM_NL__2PRFIN20101213_224140_000000433097_00245_45949_4309.N1	13-DEC-2010 22:41:40	Bright	43.000	32	77Eps UMa	1.7630	11000.	86	45949	No
362	GOM_NL__2PRFIN20101213_224410_000000403097_00245_45949_4310.N1	13-DEC-2010 22:44:10	Bright	39.500	39	85Eta UMa	1.8540	24000.	79	45949	No
363	GOM_NL__2PRFIN20101213_224726_000000363097_00245_45949_4311.N1	13-DEC-2010 22:47:26	Bright	35.500	180	27Gam Boo	3.0400	8000.0	71	45949	No
364	GOM_NL__2PRFIN20101213_225036_000000373097_00245_45949_4312.N1	13-DEC-2010 22:50:36	Bright	36.500	83		2.3780	11000.	73	45949	No
365	GOM_NL__2PRFIN20101213_225350_000000393097_00245_45949_4313.N1	13-DEC-2010 22:53:50	Bright	38.500	111	8Eta Boo	2.6800	6000.0	77	45949	No
366	GOM_NL__2PRFIN20101213_225737_000000713097_00245_45949_4314.N1	13-DEC-2010 22:57:37	Bright	71.000	138	47Eps Vir	2.8280	4700.0	142	45949	No
367	GOM_NL__2PRFIN20101213_230333_000000473097_00245_45949_4315.N1	13-DEC-2010 23:03:33	Twilight	47.000	15	67Alp Vir	0.97600	28000.	94	45949	No
368	GOM_NL__2PRFIN20101213_230701_000000453097_00245_45949_4316.N1	13-DEC-2010 23:07:01	Twilight	44.500	169	46Gam Hya	2.9910	4700.0	89	45949	No
369	GOM_NL__2PRFIN20101213_230913_000000543097_00245_45949_4317.N1	13-DEC-2010 23:09:13	Dark	54.000	100	4Gam Crv	2.5800	13100.	108	45949	No
370	GOM_NL__2PRFIN20101213_231048_000000623097_00245_45949_4318.N1	13-DEC-2010 23:10:48	Dark	62.000	171	2Eps Crv	3.0010	4250.0	124	45949	No
371	GOM_NL__2PRFIN20101213_231424_000000463097_00245_45949_4319.N1	13-DEC-2010 23:14:24	Dark	46.000	64	Gam Cen	2.2000	10600.	92	45949	No
372	GOM_NL__2PRFIN20101213_231559_000000423097_00246_45950_4301.N1	13-DEC-2010 23:15:59	Dark	42.000	99	Del Cen	2.5750	26000.	84	45950	No
373	GOM_NL__2PRFIN20101213_231942_000000443097_00246_45950_4302.N1	13-DEC-2010 23:19:42	Dark	43.500	113	Mu Vel	2.6920	5000.0	87	45950	No
374	GOM_NL__2PRFIN20101213_232337_000000423097_00246_45950_4303.N1	13-DEC-2010 23:23:37	Dark	41.500	71	Iot Car	2.2460	7700.0	83	45950	No
375	GOM_NL__2PRFIN20101213_232813_000000513097_00246_45950_4304.N1	13-DEC-2010 23:28:13	Dark	50.500	34	Gam2Vel	1.7930	23000.	101	45950	No
376	GOM_NL__2PRFIN20101213_233030_000000543097_00246_45950_4305.N1	13-DEC-2010 23:30:30	Dark	54.000	2	Alp Car	-0.73600	7000.0	108	45950	No
377	GOM_NL__2PRFIN20101213_233307_000000643097_00246_45950_4306.N1	13-DEC-2010 23:33:07	Dark	64.000	117	Pi Pup	2.7060	3800.0	128	45950	No
378	GOM_NL__2PRFIN20101213_233626_000000573097_00246_45950_4307.N1	13-DEC-2010 23:36:26	Straylight	57.000	23	21Eps CMa	1.5020	26000.	114	45950	No
379	GOM_NL__2PRFIN20101213_234107_000000553097_00246_45950_4308.N1	13-DEC-2010 23:41:07	Straylight	54.500	47	2Bet CMa	1.9760	28000.	109	45950	No
380	GOM_NL__2PRFIN20101213_234443_000000503097_00246_45950_4309.N1	13-DEC-2010 23:44:43	Straylight	50.000	7	19Bet Ori	0.10000	14000.	100	45950	No
381	GOM_NL__2PRFIN20101213_234701_000000503097_00246_45950_4310.N1	13-DEC-2010 23:47:01	Straylight	49.500	30	46Eps Ori	1.6940	30000.	99	45950	No
382	GOM_NL__2PRFIN20101213_235017_000000573097_00246_45950_4311.N1	13-DEC-2010 23:50:17	Twilight	57.000	14	58Alp Ori	0.87000	3000.0	114	45950	No
383	GOM_NL__2PRFIN20101213_235205_000000553097_00246_45950_4312.N1	13-DEC-2010 23:52:05	Twilight	55.000	13	87Alp Tau	0.86700	3800.0	110	45950	No
384	GOM_NL__2PRFIN20101213_235429_000000443097_00246_45950_4313.N1	13-DEC-2010 23:54:29	Bright	43.500	176	23Zet Tau	3.0200	22000.	87	45950	No
385	GOM_NL__2PRFIN20101213_235631_000000433097_00246_45950_4314.N1	13-DEC-2010 23:56:31	Bright	43.000	28	12Bet Tau	1.6500	15200.	86	45950	No

3. Quality information per product

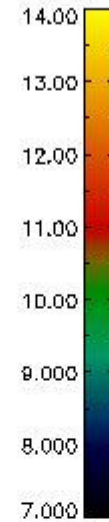
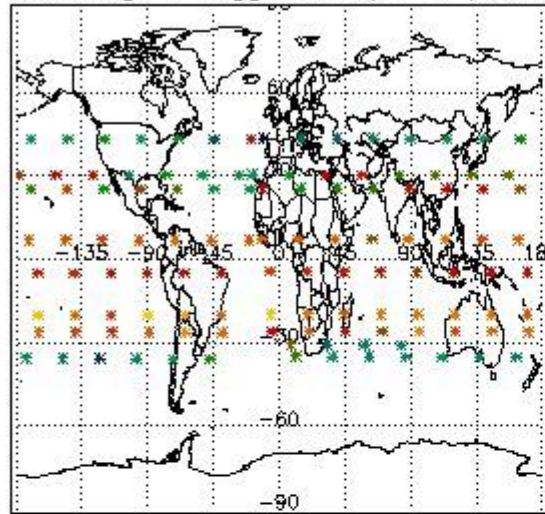
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

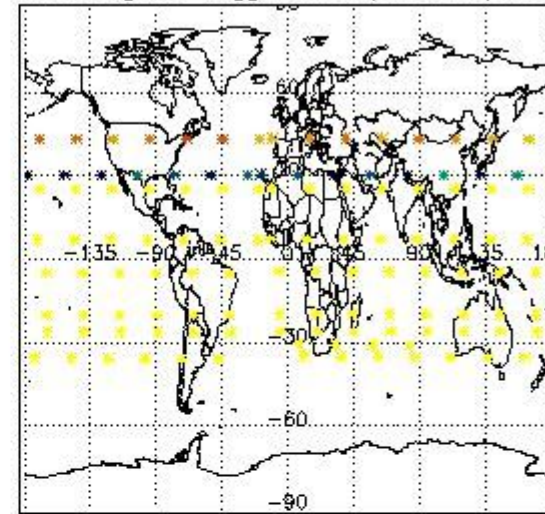


3.2 Plot quality information per product (world map)

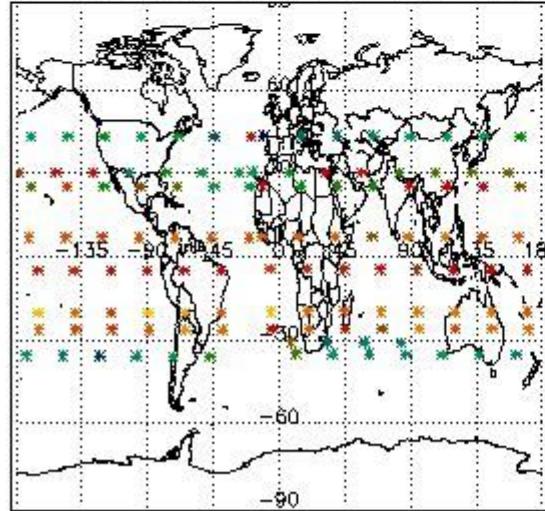
Percentage of flagged data per O3 profile



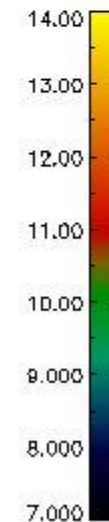
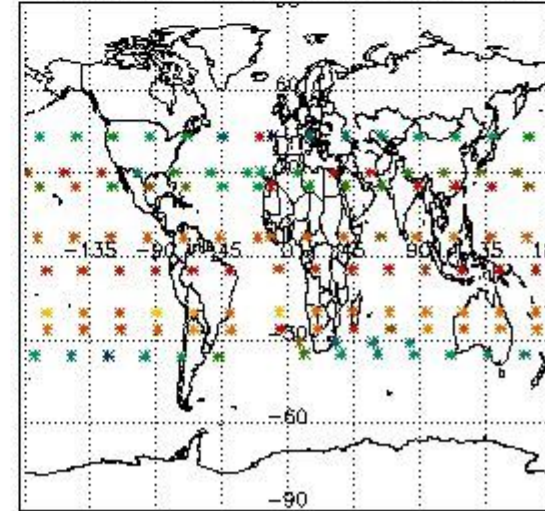
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

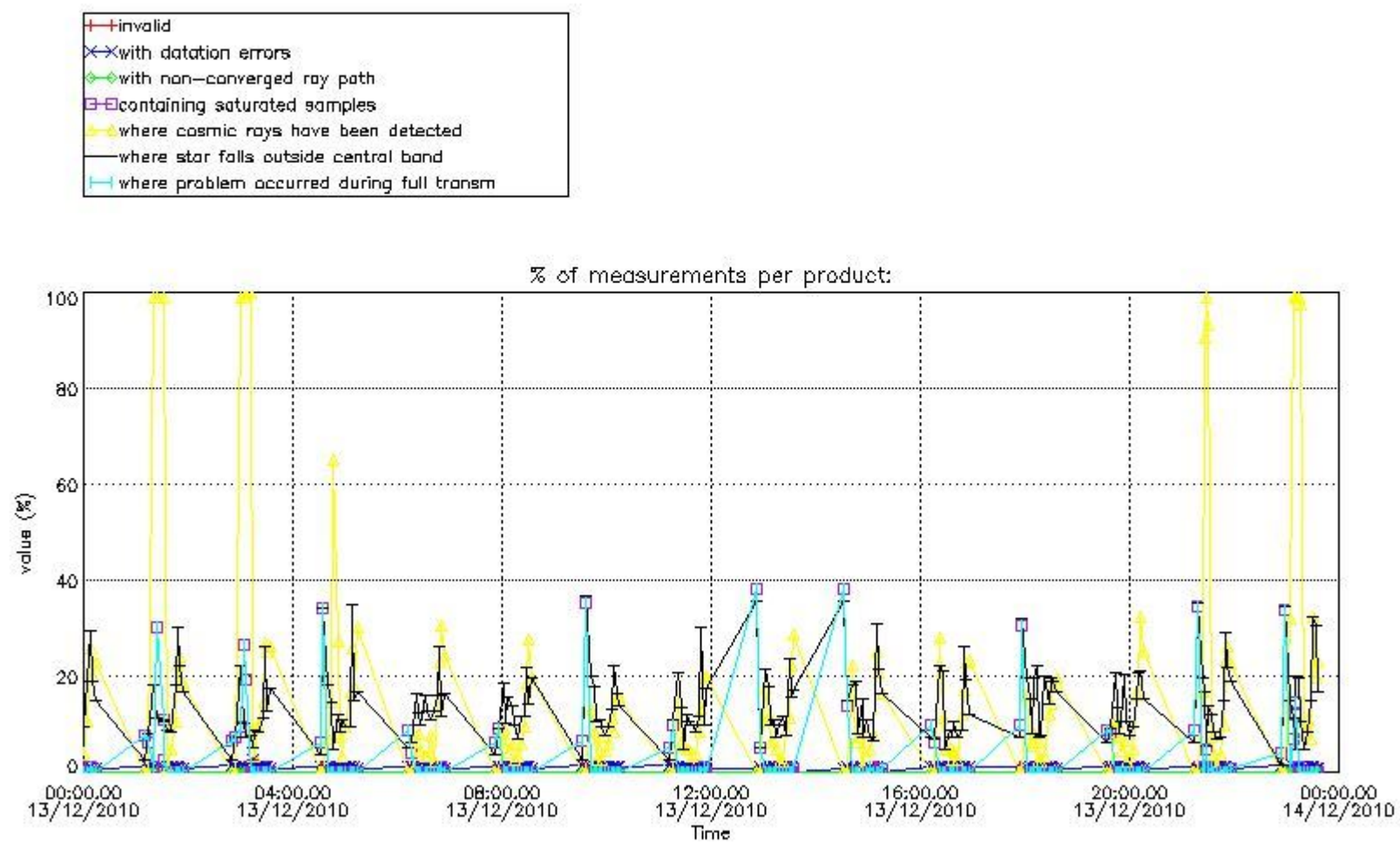


4. Level 1 quality information per product

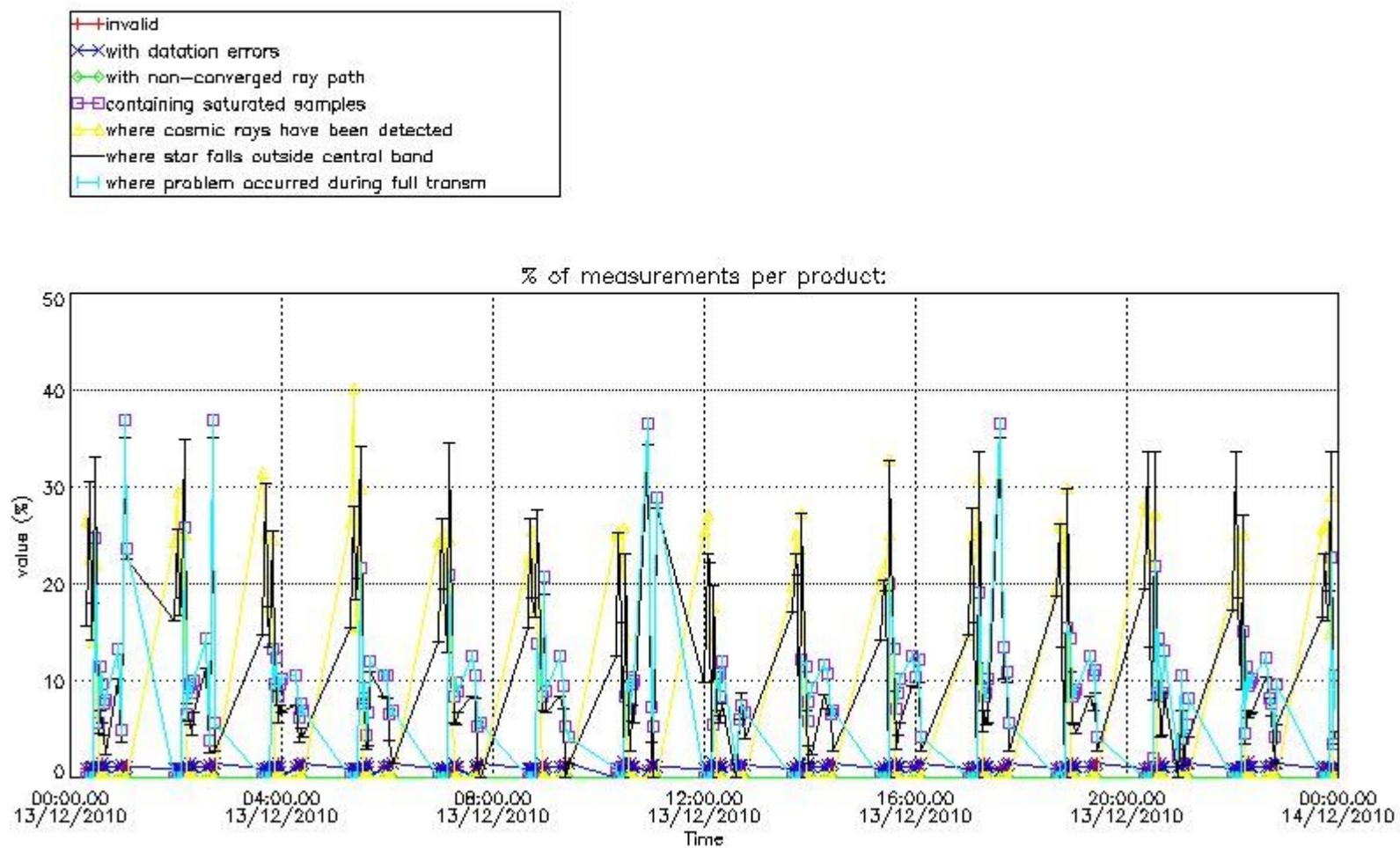
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

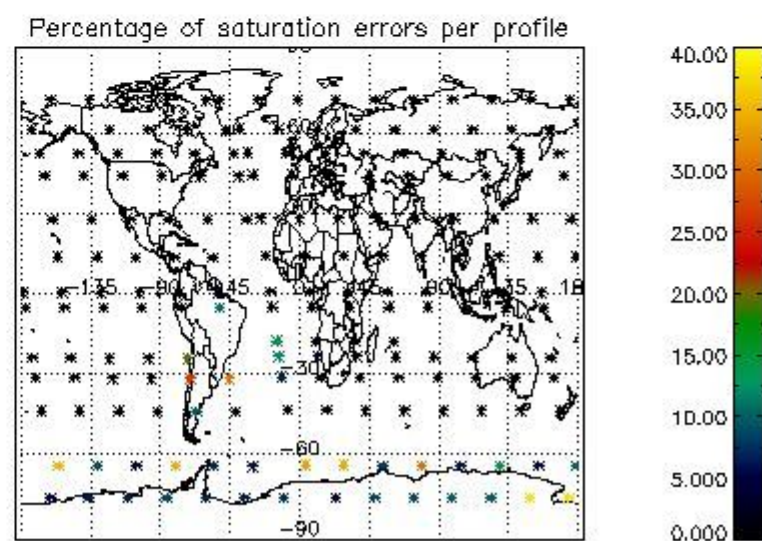
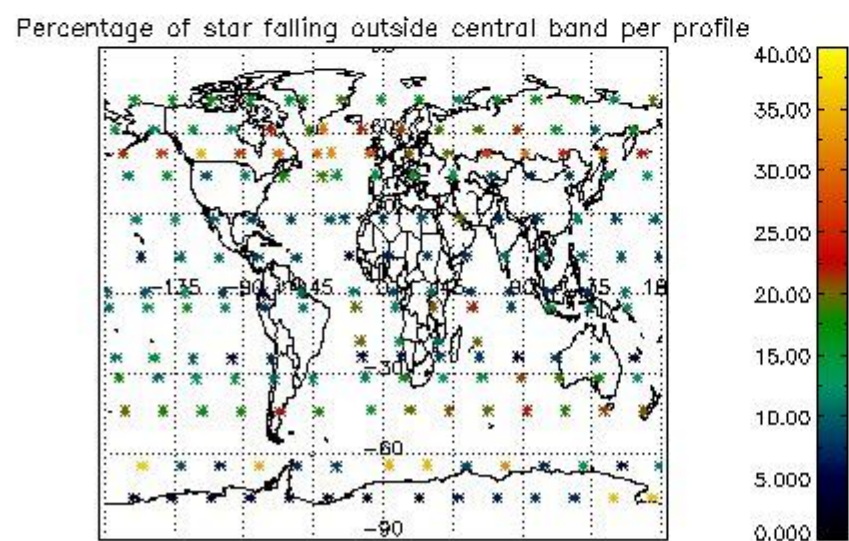
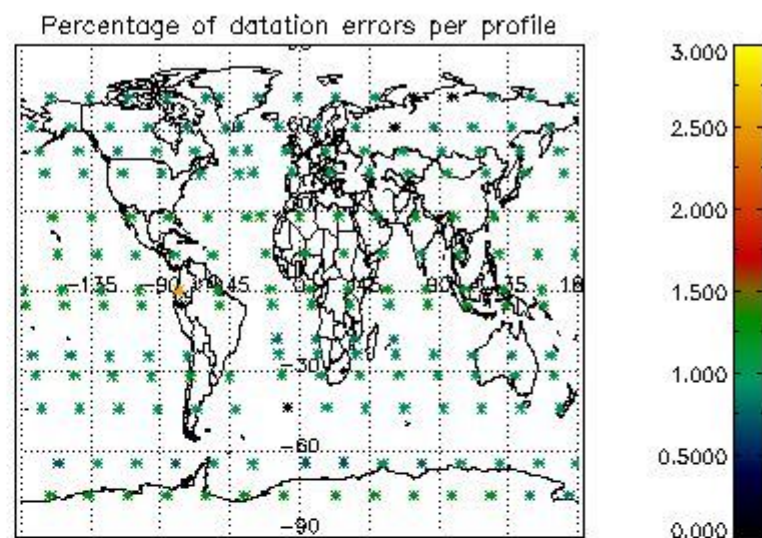
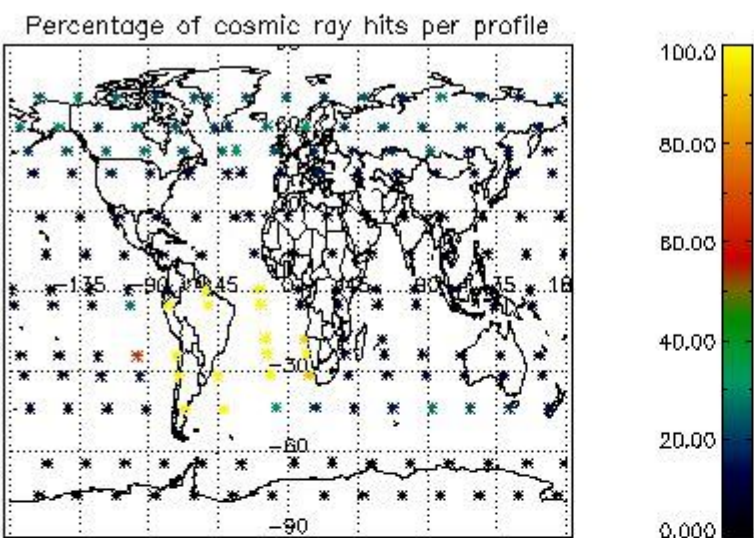


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes

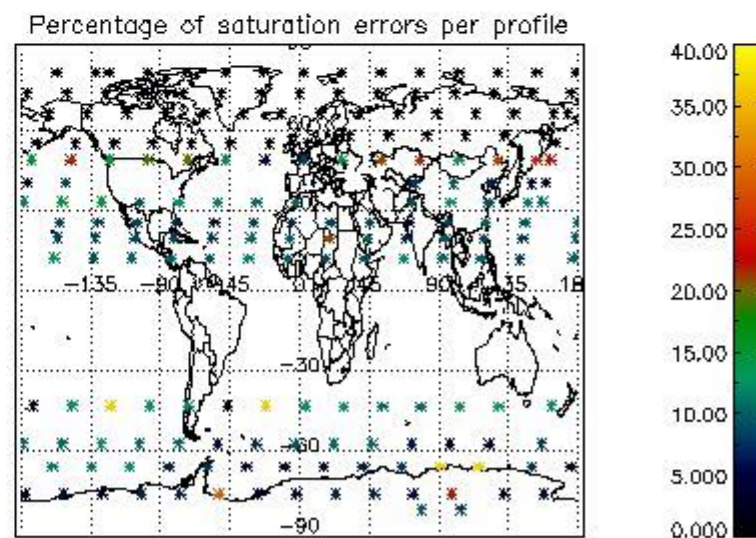
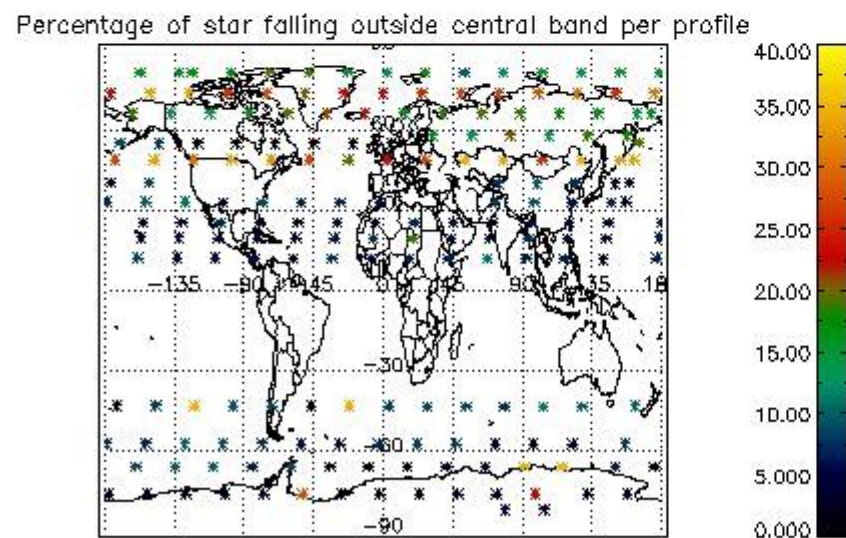
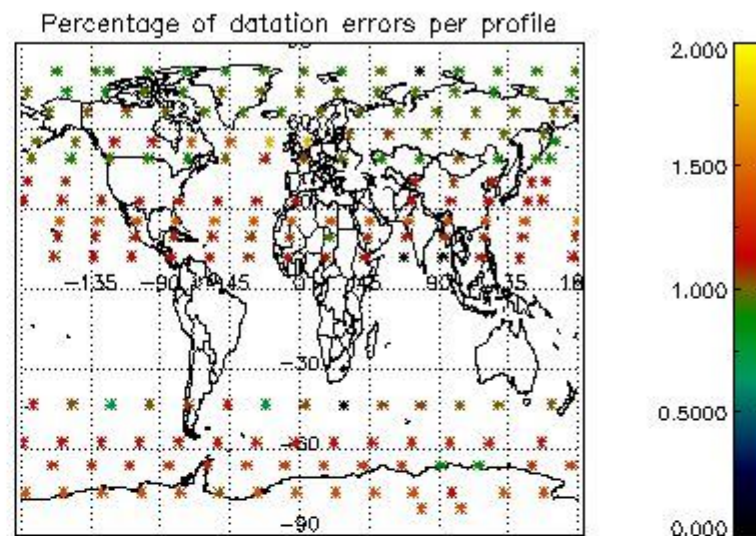
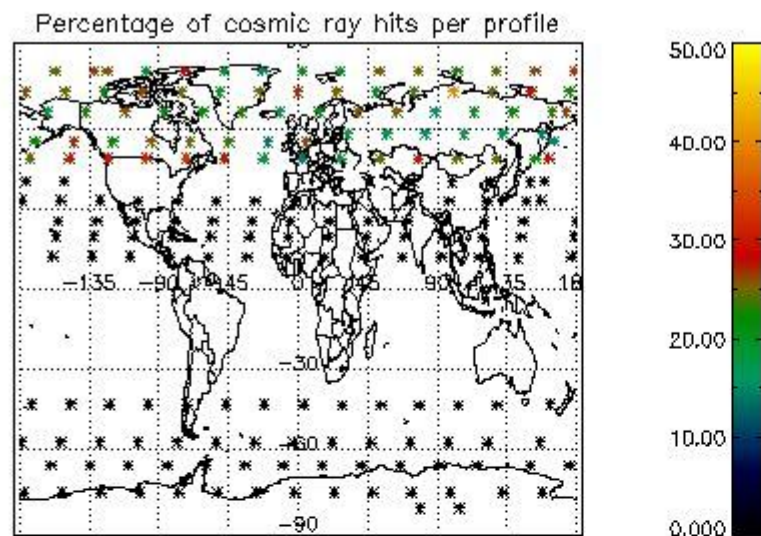


4.2 Plot quality information per product coming from level 1b processing (world map)

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

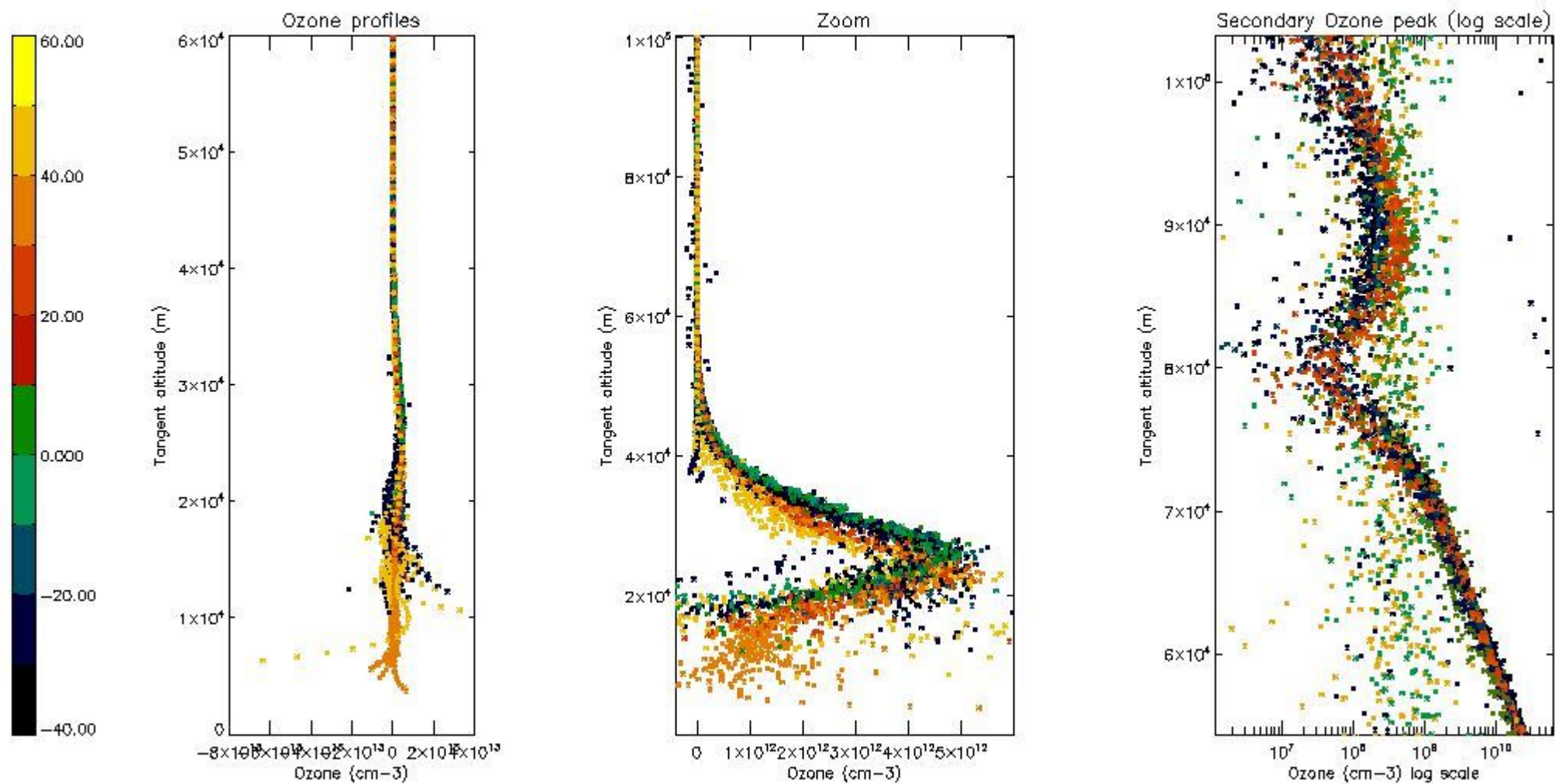
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	32
STD < 20	15

STD < 10	11
STD < 5	6

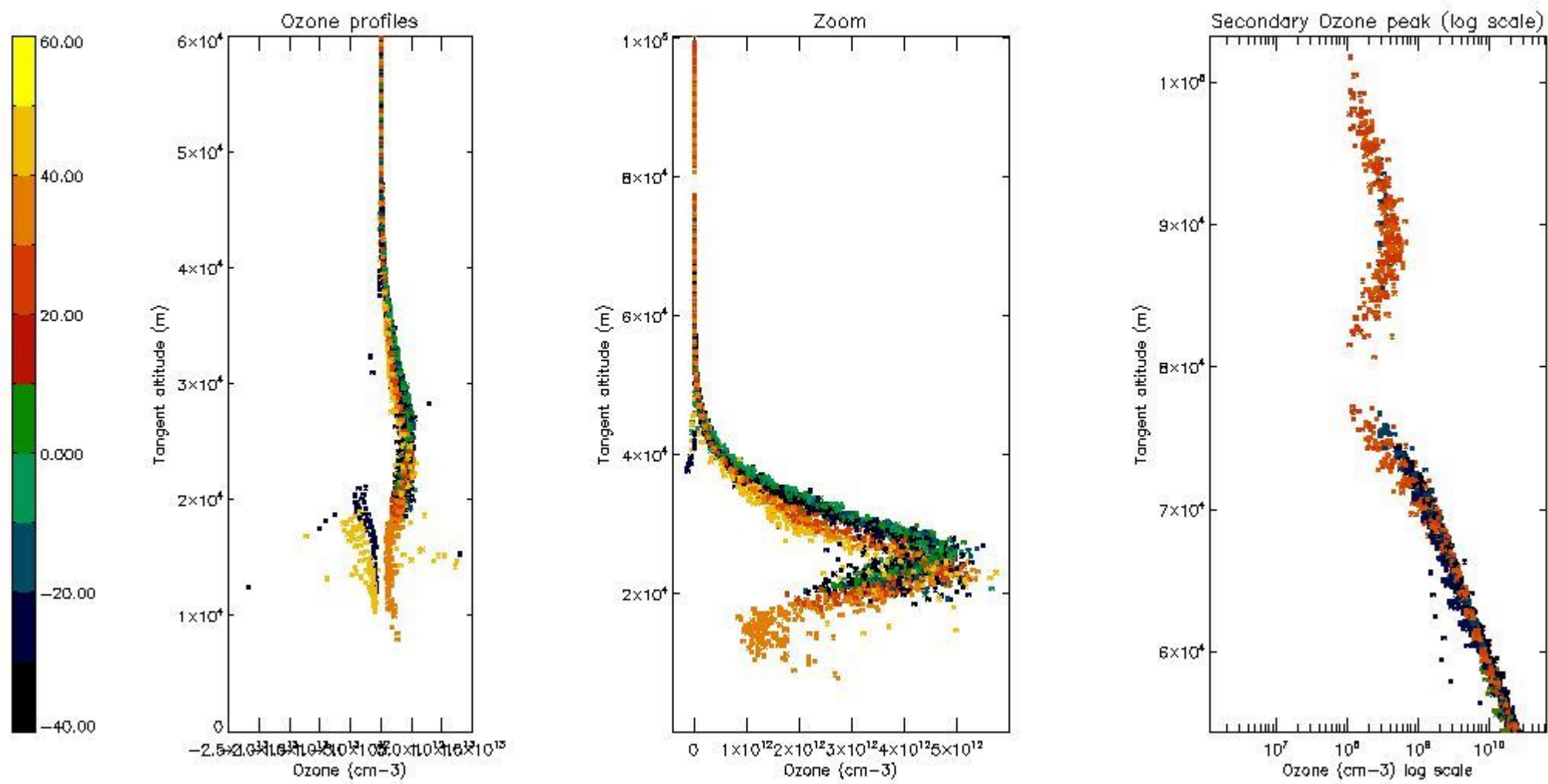
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



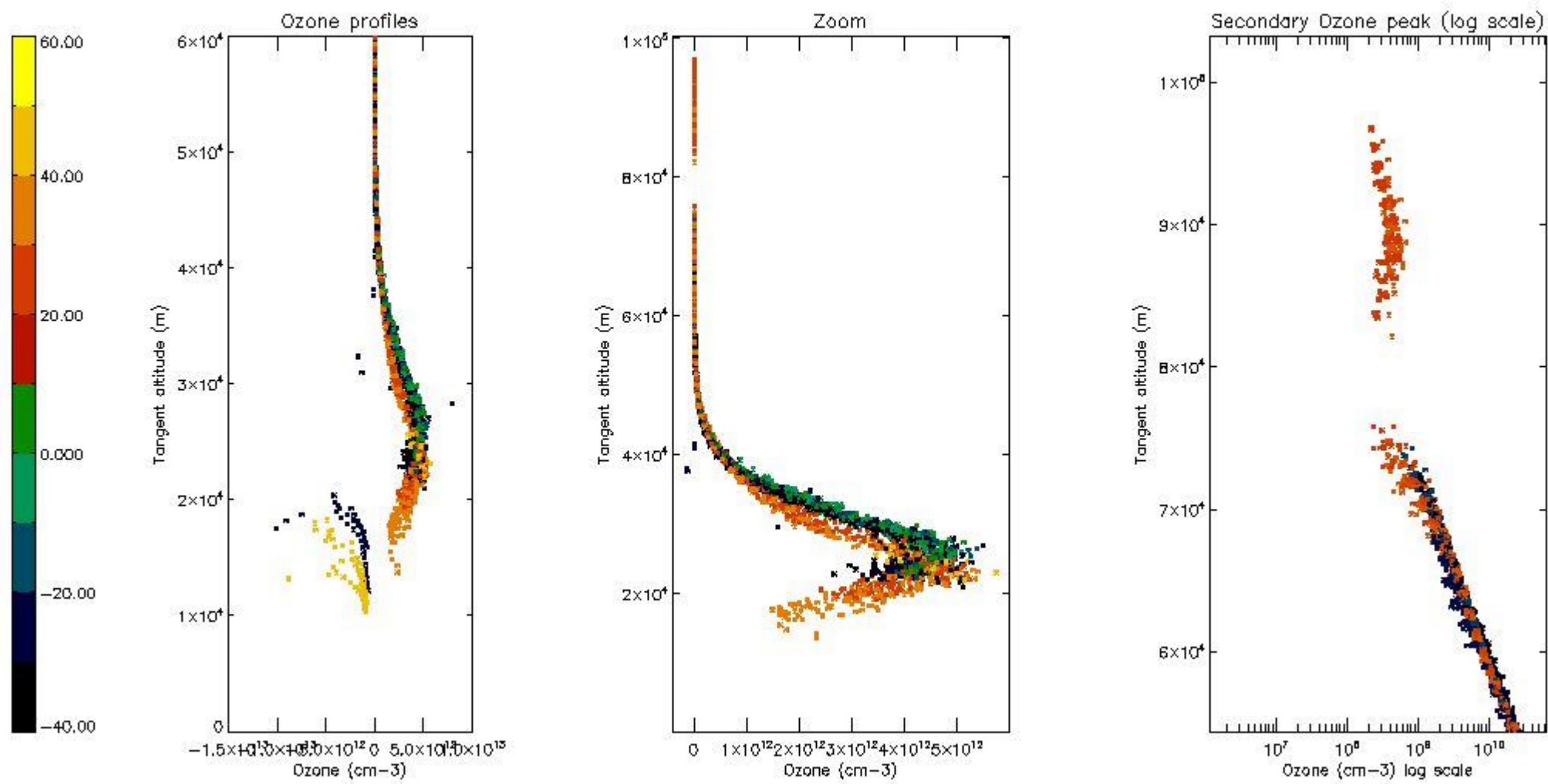
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



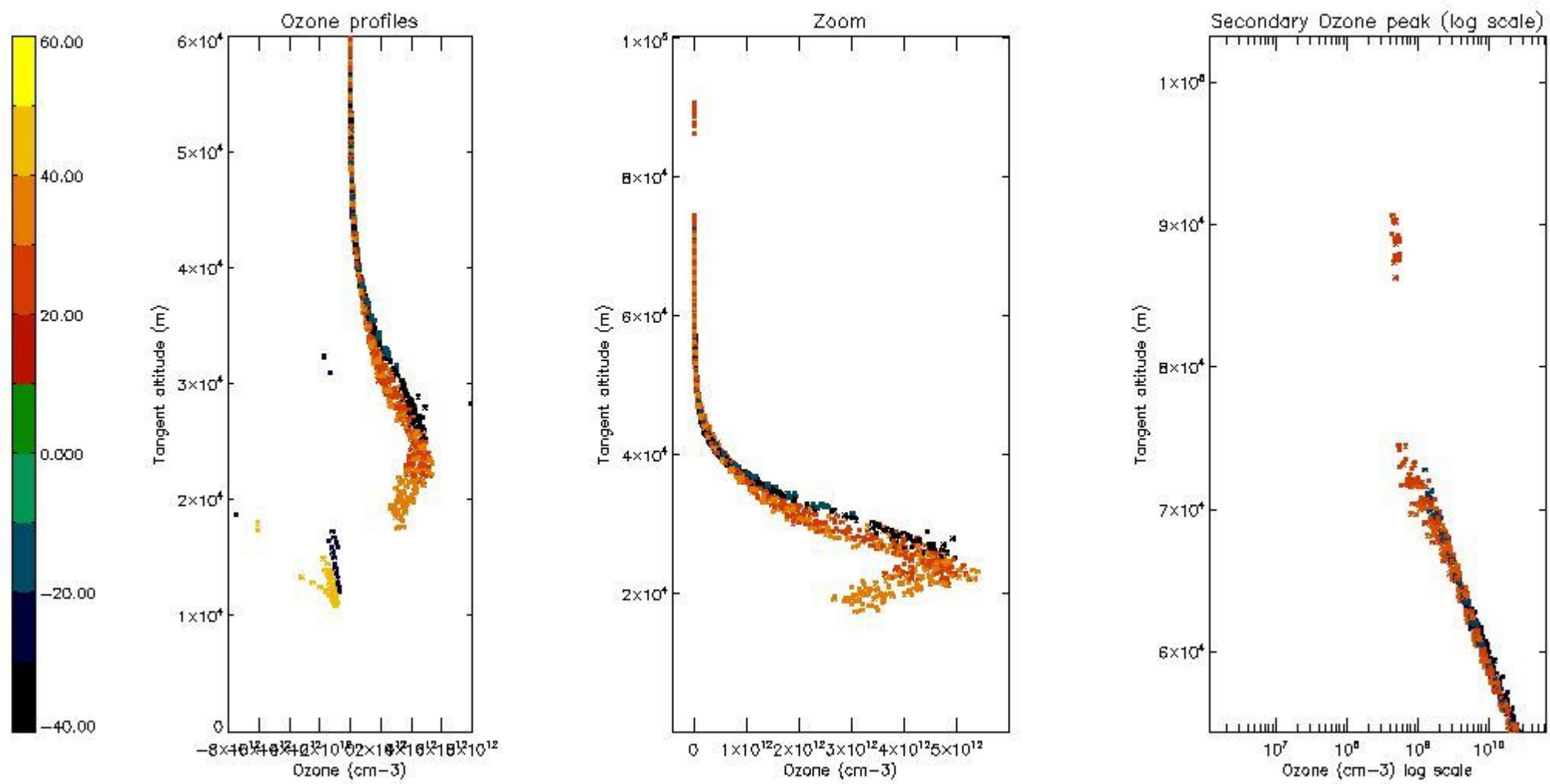
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



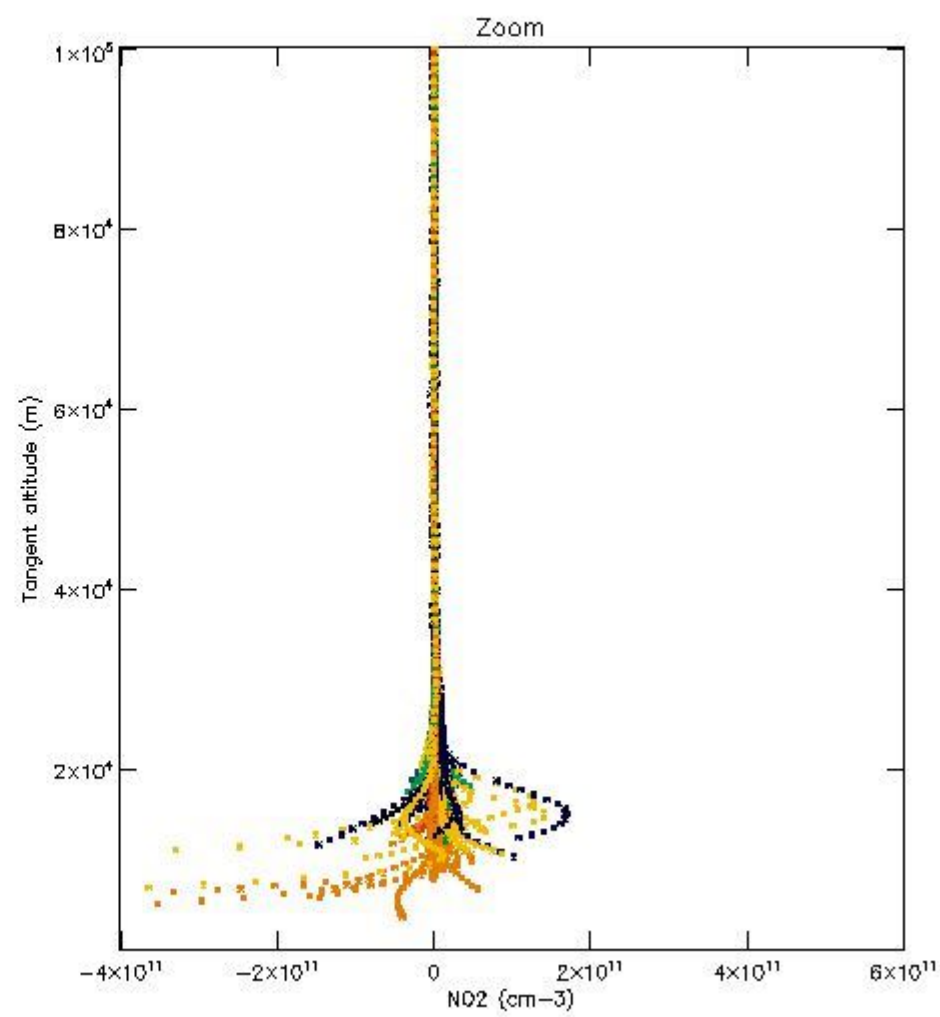
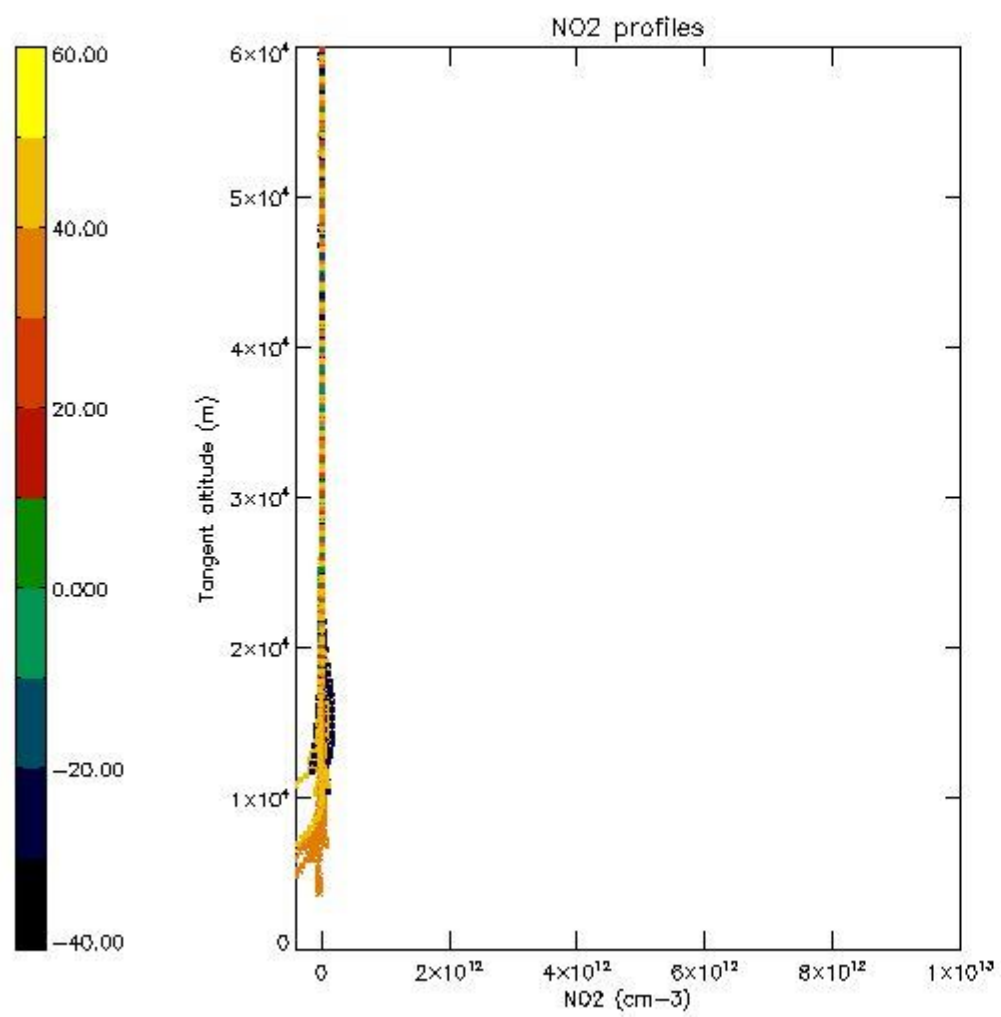
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



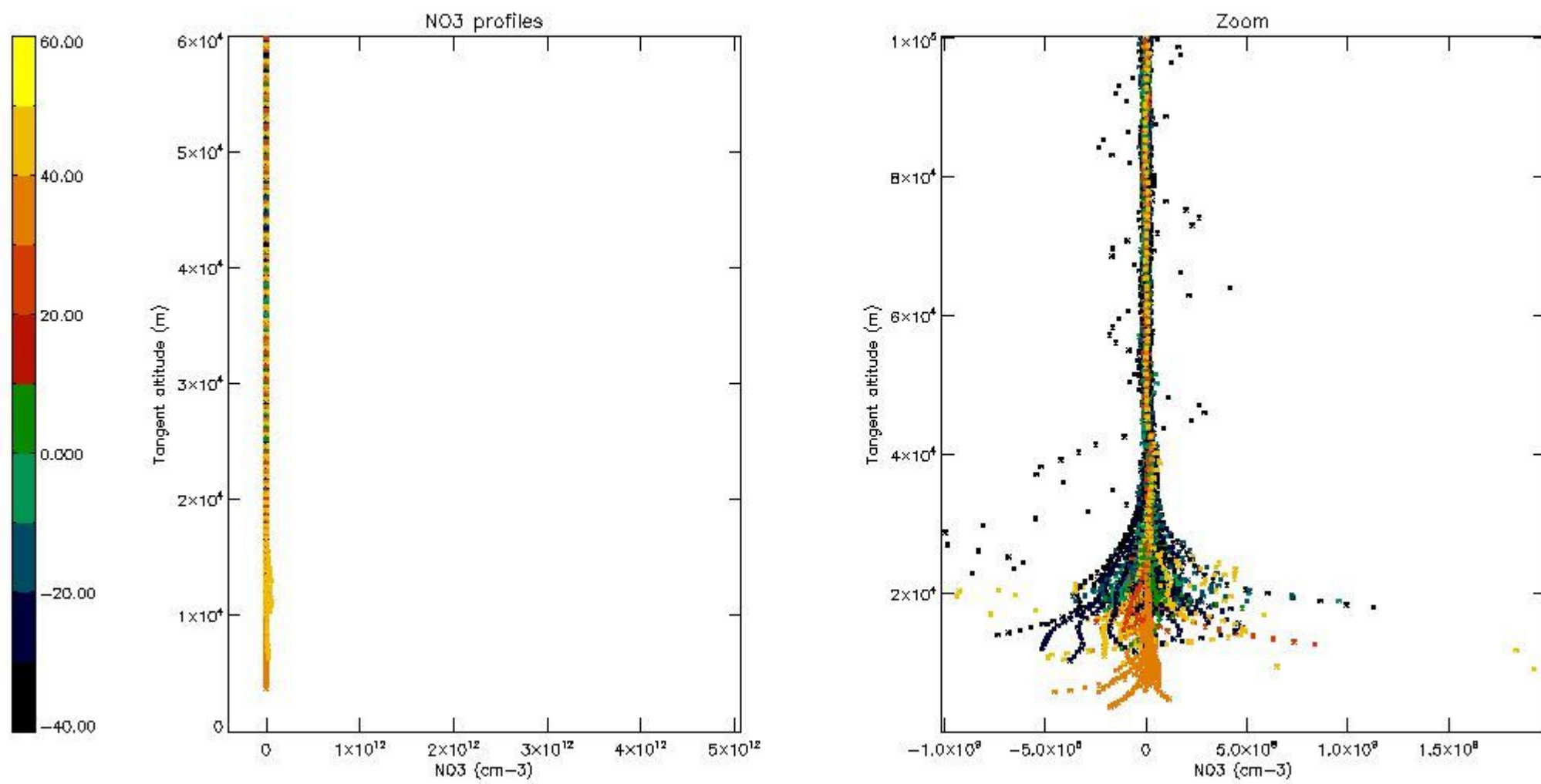
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



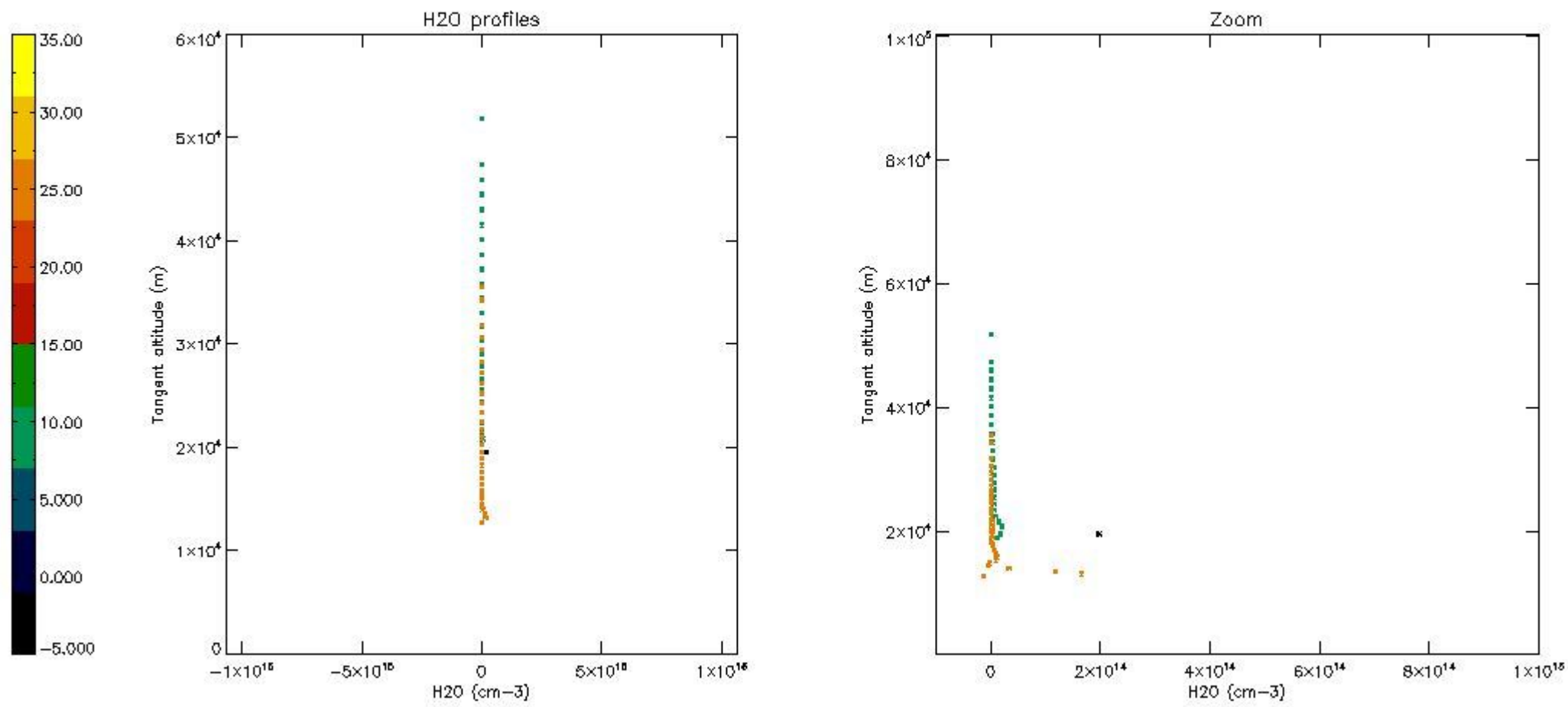
5.7 Plot NO3 profiles for all STD (dark without errors)

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	13-DEC-2010 00:00:12
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	13-DEC-2010 00:00:12
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	13-DEC-2010 00:00:12

GOMOS Level 2 Daily Report

SUMMARY

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Item	Value
Time of report generation	29APR2013 16:58:58
Data source version	GOMOS/6.01
Start time of products	13-12-2010 (13DEC2010 00:00:00)
Stop time of products	14-12-2010 (14DEC2010 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	385
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__2PRFIN20101213_000012_000000433097_00232_45936_3915.N1	13-DEC-2010 00:00:12	Dark	42.500	71	Iot Car	2.2460	7700.0	85	45936	No
2	GOM_NL__2PRFIN20101213_000446_000000533097_00232_45936_3916.N1	13-DEC-2010 00:04:46	Dark	53.000	34	Gam2Vel	1.7930	23000.	106	45936	No
3	GOM_NL__2PRFIN20101213_000708_000000533097_00232_45936_3917.N1	13-DEC-2010 00:07:08	Dark	52.500	2	Alp Car	-0.73600	7000.0	105	45936	No
4	GOM_NL__2PRFIN20101213_000942_000000563097_00232_45936_3918.N1	13-DEC-2010 00:09:42	Dark	55.500	117	Pi Pup	2.7060	3800.0	111	45936	No
5	GOM_NL__2PRFIN20101213_001303_000000573097_00232_45936_3919.N1	13-DEC-2010 00:13:03	Straylight	56.500	23	21Eps CMa	1.5020	26000.	113	45936	No
6	GOM_NL__2PRFIN20101213_001748_000000553097_00232_45936_3920.N1	13-DEC-2010 00:17:48	Straylight	54.500	47	2Bet CMa	1.9760	28000.	109	45936	No
7	GOM_NL__2PRFIN20101213_002126_000000563097_00232_45936_3921.N1	13-DEC-2010 00:21:26	Straylight	55.500	7	19Bet Ori	0.10000	14000.	111	45936	No
8	GOM_NL__2PRFIN20101213_002347_000000503097_00232_45936_3922.N1	13-DEC-2010 00:23:47	Straylight	49.500	30	46Eps Ori	1.6940	30000.	99	45936	No
9	GOM_NL__2PRFIN20101213_002611_000000503097_00232_45936_3923.N1	13-DEC-2010 00:26:11	Twi_and_stray	50.000	27	24Gam Ori	1.6360	26000.	100	45936	No
10	GOM_NL__2PRFIN20101213_002850_000000553097_00232_45936_3924.N1	13-DEC-2010 00:28:50	Twi_and_stray	54.500	13	87Alp Tau	0.86700	3800.0	109	45936	No
11	GOM_NL__2PRFIN20101213_003119_000000453097_00232_45936_3925.N1	13-DEC-2010 00:31:19	Bright	44.500	176	23Zet Tau	3.0200	22000.	89	45936	No
12	GOM_NL__2PRFIN20101213_003321_000000443097_00232_45936_3926.N1	13-DEC-2010 00:33:21	Bright	44.000	28	12Bet Tau	1.6500	15200.	88	45936	No
13	GOM_NL__2PRFIN20101213_003525_000000363097_00232_45936_3927.N1	13-DEC-2010 00:35:25	Bright	36.000	149	45Eps Per	2.8880	30000.	72	45936	No
14	GOM_NL__2PRFIN20101213_003707_000000463097_00232_45936_3928.N1	13-DEC-2010 00:37:07	Bright	45.500	107	37The Aur	2.6490	11000.	91	45936	No
15	GOM_NL__2PRFIN20101213_003914_000000443097_00232_45936_3929.N1	13-DEC-2010 00:39:14	Bright	43.500	42	34Bet Aur	1.9000	10200.	87	45936	No
16	GOM_NL__2PRFIN20101213_005440_000000493097_00232_45936_3930.N1	13-DEC-2010 00:54:40	Bright	49.000	36	50Alp UMa	1.8000	6300.0	98	45936	No
17	GOM_NL__2PRFIN20101213_005840_000000413097_00232_45936_3931.N1	13-DEC-2010 00:58:40	Bright	40.500	32	77Eps UMa	1.7630	11000.	81	45936	No
18	GOM_NL__2PRFIN20101213_010108_000000573097_00232_45936_3932.N1	13-DEC-2010 01:01:08	Bright	57.000	39	85Eta UMa	1.8540	24000.	114	45936	No
19	GOM_NL__2PRFIN20101213_010422_000000453097_00232_45936_3933.N1	13-DEC-2010 01:04:22	Bright	44.500	180	27Gam Boo	3.0400	8000.0	89	45936	No
20	GOM_NL__2PRFIN20101213_011044_000000403097_00232_45936_3934.N1	13-DEC-2010 01:10:44	Bright	39.500	111	8Eta Boo	2.6800	6000.0	79	45936	No
21	GOM_NL__2PRFIN20101213_011426_000000493097_00232_45936_3935.N1	13-DEC-2010 01:14:26	Bright	49.000	138	47Eps Vir	2.8280	4700.0	98	45936	No
22	GOM_NL__2PRFIN20101213_012022_000000503097_00232_45936_3936.N1	13-DEC-2010 01:20:22	Twi_and_stray	49.500	15	67Alp Vir	0.97600	28000.	99	45936	No
23	GOM_NL__2PRFIN20101213_012350_000000453097_00232_45936_3937.N1	13-DEC-2010 01:23:50	Twilight	44.500	169	46Gam Hya	2.9910	4700.0	89	45936	No
24	GOM_NL__2PRFIN20101213_013113_000000423097_00232_45936_3938.N1	13-DEC-2010 01:31:13	Dark	41.500	64	Gam Cen	2.2000	10600.	83	45936	No
25	GOM_NL__2PRFIN20101213_013248_000000423097_00233_45937_3922.N1	13-DEC-2010 01:32:48	Dark	42.000	99	Del Cen	2.5750	26000.	84	45937	No
26	GOM_NL__2PRFIN20101213_013629_000000463097_00233_45937_3923.N1	13-DEC-2010 01:36:29	Dark	46.000	113	Mu Vel	2.6920	5000.0	92	45937	No
27	GOM_NL__2PRFIN20101213_014027_000000423097_00233_45937_3924.N1	13-DEC-2010 01:40:27	Dark	42.000	71	Iot Car	2.2460	7700.0	84	45937	No
28	GOM_NL__2PRFIN20101213_014501_000000533097_00233_45937_3925.N1	13-DEC-2010 01:45:01	Dark	52.500	34	Gam2Vel	1.7930	23000.	105	45937	No
29	GOM_NL__2PRFIN20101213_014722_000000533097_00233_45937_3926.N1	13-DEC-2010 01:47:22	Dark	53.000	2	Alp Car	-0.73600	7000.0	106	45937	No
30	GOM_NL__2PRFIN20101213_014957_000000593097_00233_45937_3927.N1	13-DEC-2010 01:49:57	Dark	58.500	117	Pi Pup	2.7060	3800.0	117	45937	No
31	GOM_NL__2PRFIN20101213_015317_000000573097_00233_45937_3928.N1	13-DEC-2010 01:53:17	Straylight	57.000	23	21Eps CMa	1.5020	26000.	114	45937	No
32	GOM_NL__2PRFIN20101213_015803_000000563097_00233_45937_3929.N1	13-DEC-2010 01:58:03	Straylight	55.500	47	2Bet CMa	1.9760	28000.	111	45937	No
33	GOM_NL__2PRFIN20101213_020140_000000533097_00233_45937_3930.N1	13-DEC-2010 02:01:40	Straylight	52.500	7	19Bet Ori	0.10000	14000.	105	45937	No
34	GOM_NL__2PRFIN20101213_020401_000000513097_00233_45937_3931.N1	13-DEC-2010 02:04:01	Straylight	51.000	30	46Eps Ori	1.6940	30000.	102	45937	No
35	GOM_NL__2PRFIN20101213_020625_000000513097_00233_45937_3932.N1	13-DEC-2010 02:06:25	Twi_and_stray	51.000	27	24Gam Ori	1.6360	26000.	102	45937	No
36	GOM_NL__2PRFIN20101213_020904_000000563097_00233_45937_3933.N1	13-DEC-2010 02:09:04	Twi_and_stray	56.000	13	87Alp Tau	0.86700	3800.0	112	45937	No
37	GOM_NL__2PRFIN20101213_021132_000000463097_00233_45937_3934.N1	13-DEC-2010 02:11:32	Bright	45.500	176	23Zet Tau	3.0200	22000.	91	45937	No
38	GOM_NL__2PRFIN20101213_021334_000000443097_00233_45937_3935.N1	13-DEC-2010 02:13:34	Bright	43.500	28	12Bet Tau	1.6500	15200.	87	45937	No
39	GOM_NL__2PRFIN20101213_021538_000000373097_00233_45937_3936.N1	13-DEC-2010 02:15:38	Bright	36.500	149	45Eps Per	2.8880	30000.	73	45937	No
40	GOM_NL__2PRFIN20101213_021720_000000463097_00233_45937_3937.N1	13-DEC-2010 02:17:20	Bright	46.000	107	37The Aur	2.6490	11000.	92	45937	No
41	GOM_NL__2PRFIN20101213_021927_000000453097_00233_45937_3938.N1	13-DEC-2010 02:19:27	Bright	45.000	42	34Bet Aur	1.9000	10200.	90	45937	No
42	GOM_NL__2PRFIN20101213_023453_000000493097_00233_45937_3939.N1	13-DEC-2010 02:34:53	Bright	49.000	36	50Alp UMa	1.8000	6300.0	98	45937	No

102	GOM_NL__2PRFIN20101213_062106_000000493097_00235_45939_3964.N1	13-DEC-2010 06:21:06	Twilight	48.500	15	67Alp Vir	0.97600	28000.	97	45939	No
103	GOM_NL__2PRFIN20101213_062434_000000453097_00235_45939_3965.N1	13-DEC-2010 06:24:34	Twilight	44.500	169	46Gam Hya	2.9910	4700.0	89	45939	No
104	GOM_NL__2PRFIN20101213_062640_000000563097_00235_45939_3966.N1	13-DEC-2010 06:26:40	Dark	55.500	100	4Gam Crv	2.5800	13100.	111	45939	No
105	GOM_NL__2PRFIN20101213_063158_000000443097_00235_45939_3967.N1	13-DEC-2010 06:31:58	Dark	44.000	64	Gam Cen	2.2000	10600.	88	45939	No
106	GOM_NL__2PRFIN20101213_063332_000000443097_00236_45940_4012.N1	13-DEC-2010 06:33:32	Dark	43.500	99	Del Cen	2.5750	26000.	87	45940	No
107	GOM_NL__2PRFIN20101213_063713_000000473097_00236_45940_4013.N1	13-DEC-2010 06:37:13	Dark	46.500	113	Mu Vel	2.6920	5000.0	93	45940	No
108	GOM_NL__2PRFIN20101213_064111_000000443097_00236_45940_4014.N1	13-DEC-2010 06:41:11	Dark	43.500	71	Iot Car	2.2460	7700.0	87	45940	No
109	GOM_NL__2PRFIN20101213_064545_000000513097_00236_45940_4015.N1	13-DEC-2010 06:45:45	Dark	50.500	34	Gam2Vel	1.7930	23000.	101	45940	No
110	GOM_NL__2PRFIN20101213_064806_000000503097_00236_45940_4016.N1	13-DEC-2010 06:48:06	Dark	50.000	2	Alp Car	-0.73600	7000.0	100	45940	No
111	GOM_NL__2PRFIN20101213_065041_000000513097_00236_45940_4017.N1	13-DEC-2010 06:50:41	Dark	51.000	117	Pi Pup	2.7060	3800.0	102	45940	No
112	GOM_NL__2PRFIN20101213_065401_000000563097_00236_45940_4018.N1	13-DEC-2010 06:54:01	Straylight	55.500	23	21Eps CMa	1.5020	26000.	111	45940	No
113	GOM_NL__2PRFIN20101213_065845_000000543097_00236_45940_4019.N1	13-DEC-2010 06:58:45	Straylight	53.500	47	2Bet CMa	1.9760	28000.	107	45940	No
114	GOM_NL__2PRFIN20101213_070222_000000533097_00236_45940_4020.N1	13-DEC-2010 07:02:22	Straylight	52.500	7	19Bet Ori	0.10000	14000.	105	45940	No
115	GOM_NL__2PRFIN20101213_070443_000000523097_00236_45940_4021.N1	13-DEC-2010 07:04:43	Straylight	51.500	30	46Eps Ori	1.6940	30000.	103	45940	No
116	GOM_NL__2PRFIN20101213_070707_000000473097_00236_45940_4022.N1	13-DEC-2010 07:07:07	Twilight	46.500	27	24Gam Ori	1.6360	26000.	93	45940	No
117	GOM_NL__2PRFIN20101213_070946_000000553097_00236_45940_4023.N1	13-DEC-2010 07:09:46	Twilight	55.000	13	87Alp Tau	0.86700	3800.0	110	45940	No
118	GOM_NL__2PRFIN20101213_071621_000000363097_00236_45940_4024.N1	13-DEC-2010 07:16:21	Bright	35.500	149	45Eps Per	2.8880	30000.	71	45940	No
119	GOM_NL__2PRFIN20101213_071800_000000463097_00236_45940_4025.N1	13-DEC-2010 07:18:00	Bright	46.000	107	37The Aur	2.6490	11000.	92	45940	No
120	GOM_NL__2PRFIN20101213_072008_000000453097_00236_45940_4026.N1	13-DEC-2010 07:20:08	Bright	44.500	42	34Bet Aur	1.9000	10200.	89	45940	No
121	GOM_NL__2PRFIN20101213_073534_000000483097_00236_45940_4027.N1	13-DEC-2010 07:35:34	Bright	47.500	36	50Alp UMa	1.8000	6300.0	95	45940	No
122	GOM_NL__2PRFIN20101213_073936_000000433097_00236_45940_4028.N1	13-DEC-2010 07:39:36	Bright	43.000	32	77Eps UMa	1.7630	11000.	86	45940	No
123	GOM_NL__2PRFIN20101213_074204_000000383097_00236_45940_4029.N1	13-DEC-2010 07:42:04	Bright	38.000	39	85Eta UMa	1.8540	24000.	76	45940	No
124	GOM_NL__2PRFIN20101213_074519_000000363097_00236_45940_4030.N1	13-DEC-2010 07:45:19	Bright	35.500	180	27Gam Boo	3.0400	8000.0	71	45940	No
125	GOM_NL__2PRFIN20101213_075142_000000403097_00236_45940_4031.N1	13-DEC-2010 07:51:42	Bright	39.500	111	8Eta Boo	2.6800	6000.0	79	45940	No
126	GOM_NL__2PRFIN20101213_075525_000000513097_00236_45940_4032.N1	13-DEC-2010 07:55:25	Bright	50.500	138	47Eps Vir	2.8280	4700.0	101	45940	No
127	GOM_NL__2PRFIN20101213_080121_000000493097_00236_45940_4033.N1	13-DEC-2010 08:01:21	Twilight	49.000	15	67Alp Vir	0.97600	28000.	98	45940	No
128	GOM_NL__2PRFIN20101213_080449_000000443097_00236_45940_4034.N1	13-DEC-2010 08:04:49	Twilight	43.500	169	46Gam Hya	2.9910	4700.0	87	45940	No
129	GOM_NL__2PRFIN20101213_080655_000000613097_00236_45940_4035.N1	13-DEC-2010 08:06:55	Dark	60.500	100	4Gam Crv	2.5800	13100.	121	45940	No
130	GOM_NL__2PRFIN20101213_081212_000000433097_00236_45940_4036.N1	13-DEC-2010 08:12:12	Dark	43.000	64	Gam Cen	2.2000	10600.	86	45940	No
131	GOM_NL__2PRFIN20101213_081347_000000423097_00237_45941_4015.N1	13-DEC-2010 08:13:47	Dark	41.500	99	Del Cen	2.5750	26000.	83	45941	No
132	GOM_NL__2PRFIN20101213_081729_000000453097_00237_45941_4016.N1	13-DEC-2010 08:17:29	Dark	44.500	113	Mu Vel	2.6920	5000.0	89	45941	No
133	GOM_NL__2PRFIN20101213_082126_000000433097_00237_45941_4017.N1	13-DEC-2010 08:21:26	Dark	42.500	71	Iot Car	2.2460	7700.0	85	45941	No
134	GOM_NL__2PRFIN20101213_082600_000000483097_00237_45941_4018.N1	13-DEC-2010 08:26:00	Dark	48.000	34	Gam2Vel	1.7930	23000.	96	45941	No
135	GOM_NL__2PRFIN20101213_082821_000000463097_00237_45941_4019.N1	13-DEC-2010 08:28:21	Dark	46.000	2	Alp Car	-0.73600	7000.0	92	45941	No
136	GOM_NL__2PRFIN20101213_083055_000000533097_00237_45941_4020.N1	13-DEC-2010 08:30:55	Dark	52.500	117	Pi Pup	2.7060	3800.0	105	45941	No
137	GOM_NL__2PRFIN20101213_083416_000000593097_00237_45941_4021.N1	13-DEC-2010 08:34:16	Straylight	58.500	23	21Eps CMa	1.5020	26000.	117	45941	No
138	GOM_NL__2PRFIN20101213_083900_000000553097_00237_45941_4022.N1	13-DEC-2010 08:39:00	Straylight	55.000	47	2Bet CMa	1.9760	28000.	110	45941	No
139	GOM_NL__2PRFIN20101213_084236_000000533097_00237_45941_4023.N1	13-DEC-2010 08:42:36	Straylight	52.500	7	19Bet Ori	0.10000	14000.	105	45941	No
140	GOM_NL__2PRFIN20101213_084457_000000513097_00237_45941_4024.N1	13-DEC-2010 08:44:57	Straylight	51.000	30	46Eps Ori	1.6940	30000.	102	45941	No
141	GOM_NL__2PRFIN20101213_084720_000000493097_00237_45941_4025.N1	13-DEC-2010 08:47:20	Twilight	48.500	27	24Gam Ori	1.6360	26000.	97	45941	No
142	GOM_NL__2PRFIN20101213_085000_000000513097_00237_45941_4026.N1	13-DEC-2010 08:50:00	Twilight	50.500	13	87Alp Tau	0.86700	3800.0	101	45941	No
143	GOM_NL__2PRFIN20101213_085635_000000363097_00237_45941_4027.N1	13-DEC-2010 08:56:35	Bright	36.000	149	45Eps Per	2.8880	30000.	72	45941	No
144	GOM_NL__2PRFIN20101213_085813_000000533097_00237_45941_4028.N1	13-DEC-2010 08:58:13	Bright	53.000	107	37The Aur	2.6490	11000.	106	45941	No
145	GOM_NL__2PRFIN20101213_090021_000000453097_00237_45941_4029.N1	13-DEC-2010 09:00:21	Bright	44.500	42	34Bet Aur	1.9000	10200.	89	45941	No
146	GOM_NL__2PRFIN20101213_091548_000000483097_00237_45941_4030.N1	13-DEC-2010 09:15:48	Bright	48.000	36	50Alp UMa	1.8000	6300.0	96	45941	No
147	GOM_NL__2PRFIN20101213_091950_000000433097_00237_45941_4031.N1	13-DEC-2010 09:19:50	Bright	42.500	32	77Eps UMa	1.7630	11000.	85	45941	No
148	GOM_NL__2PRFIN20101213_092218_000000383097_00237_45941_4032.N1	13-DEC-2010 09:22:18	Bright	37.500	39	85Eta UMa	1.8540	24000.	75	45941	No
149	GOM_NL__2PRFIN20101213_092533_000000363097_00237_45941_4033.N1	13-DEC-2010 09:25:33	Bright	35.500	180	27Gam Boo	3.0400	8000.0	71	45941	No
150	GOM_NL__2PRFIN20101213_093156_000000393097_00237_45941_4034.N1	13-DEC-2010 09:31:56	Bright	39.000	111	8Eta Boo	2.6800	6000.0	78	45941	No
151	GOM_NL__2PRFIN20101213_093540_000000713097_00237_45941_4035.N1	13-DEC-2010 09:35:40	Bright	71.000	138	47Eps Vir	2.8280	4700.0	142	45941	No
152	GOM_NL__2PRFIN20101213_094135_000000503097_00237_45941_4036.N1	13-DEC-2010 09:41:35	Twilight	50.000	15	67Alp Vir	0.97600	28000.	100	45941	No
153	GOM_NL__2PRFIN20101213_094504_000000483097_00237_45941_4037.N1	13-DEC-2010 09:45:04	Twilight	48.000	169	46Gam Hya	2.9910	4700.0	96	45941	No
154	GOM_NL__2PRFIN20101213_094711_000000573097_00237_45941_4038.N1	13-DEC-2010 09:47:11	Dark	56.500	100	4Gam Crv	2.5800	13100.	113	45941	No
155	GOM_NL__2PRFIN20101213_095227_000000423097_00237_45941_4039.N1	13-DEC-2010 09:52:27	Dark	41.500	64	Gam Cen	2.2000	10600.	83	45941	No
156	GOM_NL__2PRFIN20101213_095402_000000423097_00238_45942_4016.N1	13-DEC-2010 09:54:02	Dark	42.000	99	Del Cen	2.5750	26000.	84	45942	No
157	GOM_NL__2PRFIN20101213_095743_000000453097_00238_45942_4017.N1	13-DEC-2010 09:57:43	Dark	45.000	113	Mu Vel	2.6920	5000.0	90	45942	No
158	GOM_NL__2PRFIN20101213_100140_000000423097_00238_45942_4018.N1	13-DEC-2010 10:01:40	Dark	42.000	71	Iot Car	2.2460	7700.0	84	45942	No
159	GOM_NL__2PRFIN20101213_100615_000000493097_00238_45942_4019.N1	13-DEC-2010 10:06:15	Dark	49.000	34	Gam2Vel	1.7930	23000.	98	45942	No
160	GOM_NL__2PRFIN20101213_100835_000000473097_00238_45942_4020.N1	13-DEC-2010 10:08:35	Dark	47.000	2	Alp Car	-0.73600	7000.0	94	45942	No

161	GOM_NL__2PRFIN20101213_101110_000000553097_00238_45942_4021.N1	13-DEC-2010 10:11:10	Dark	54.500	117	Pi Pup	2.7060	3800.0	109	45942	No
162	GOM_NL__2PRFIN20101213_101430_000000553097_00238_45942_4022.N1	13-DEC-2010 10:14:30	Straylight	55.000	23	21Eps CMa	1.5020	26000.	110	45942	No
163	GOM_NL__2PRFIN20101213_101914_000000523097_00238_45942_4023.N1	13-DEC-2010 10:19:14	Straylight	52.000	47	2Bet CMa	1.9760	28000.	104	45942	No
164	GOM_NL__2PRFIN20101213_102250_000000523097_00238_45942_4024.N1	13-DEC-2010 10:22:50	Straylight	51.500	7	19Bet Ori	0.10000	14000.	103	45942	No
165	GOM_NL__2PRFIN20101213_102510_000000503097_00238_45942_4025.N1	13-DEC-2010 10:25:10	Straylight	50.000	30	46Eps Ori	1.6940	30000.	100	45942	No
166	GOM_NL__2PRFIN20101213_102828_000000293097_00238_45942_4026.N1	13-DEC-2010 10:28:28	Tw_i_and_stray	29.000	14	58Alp Ori	0.87000	3000.0	58	45942	No
167	GOM_NL__2PRFIN20101213_103014_000000483097_00238_45942_4027.N1	13-DEC-2010 10:30:14	Tw_i_and_stray	47.500	13	87Alp Tau	0.86700	3800.0	95	45942	No
168	GOM_NL__2PRFIN20101213_103442_000000443097_00238_45942_4028.N1	13-DEC-2010 10:34:42	Bright	43.500	28	12Bet Tau	1.6500	15200.	87	45942	No
169	GOM_NL__2PRFIN20101213_103648_000000363097_00238_45942_4029.N1	13-DEC-2010 10:36:48	Bright	35.500	149	45Eps Per	2.8880	30000.	71	45942	No
170	GOM_NL__2PRFIN20101213_103827_000000473097_00238_45942_4030.N1	13-DEC-2010 10:38:27	Bright	46.500	107	37The Aur	2.6490	11000.	93	45942	No
171	GOM_NL__2PRFIN20101213_104035_000000453097_00238_45942_4031.N1	13-DEC-2010 10:40:35	Bright	45.000	42	34Bet Aur	1.9000	10200.	90	45942	No
172	GOM_NL__2PRFIN20101213_105601_000000673097_00238_45942_4032.N1	13-DEC-2010 10:56:01	Bright	67.000	36	50Alp UMa	1.8000	6300.0	134	45942	No
173	GOM_NL__2PRFIN20101213_110003_000000413097_00238_45942_4033.N1	13-DEC-2010 11:00:03	Bright	41.000	32	77Eps UMa	1.7630	11000.	82	45942	No
174	GOM_NL__2PRFIN20101213_110232_000000383097_00238_45942_4034.N1	13-DEC-2010 11:02:32	Bright	37.500	39	85Eta UMa	1.8540	24000.	75	45942	No
175	GOM_NL__2PRFIN20101213_110547_000000493097_00238_45942_4035.N1	13-DEC-2010 11:05:47	Bright	48.500	180	27Gam Boo	3.0400	8000.0	97	45942	No
176	GOM_NL__2PRFIN20101213_111210_000000393097_00238_45942_4036.N1	13-DEC-2010 11:12:10	Bright	39.000	111	8Eta Boo	2.6800	6000.0	78	45942	No
177	GOM_NL__2PRFIN20101213_111554_000000513097_00238_45942_4037.N1	13-DEC-2010 11:15:54	Bright	51.000	138	47Eps Vir	2.8280	4700.0	102	45942	No
178	GOM_NL__2PRFIN20101213_112150_000000513097_00238_45942_4038.N1	13-DEC-2010 11:21:50	Tw_i_and_stray	51.000	15	67Alp Vir	0.97600	28000.	102	45942	No
179	GOM_NL__2PRFIN20101213_112518_000000453097_00238_45942_4039.N1	13-DEC-2010 11:25:18	Twilight	45.000	169	46Gam Hya	2.9910	4700.0	90	45942	No
180	GOM_NL__2PRFIN20101213_112726_000000543097_00238_45942_4040.N1	13-DEC-2010 11:27:26	Dark	53.500	100	4Gam Crv	2.5800	13100.	107	45942	No
181	GOM_NL__2PRFIN20101213_113241_000000423097_00238_45942_4041.N1	13-DEC-2010 11:32:41	Dark	41.500	64	Gam Cen	2.2000	10600.	83	45942	No
182	GOM_NL__2PRFIN20101213_113416_000000423097_00239_45943_4056.N1	13-DEC-2010 11:34:16	Dark	42.000	99	Del Cen	2.5750	26000.	84	45943	No
183	GOM_NL__2PRFIN20101213_113758_000000473097_00239_45943_4057.N1	13-DEC-2010 11:37:58	Dark	46.500	113	Mu Vel	2.6920	5000.0	93	45943	No
184	GOM_NL__2PRFIN20101213_114155_000000423097_00239_45943_4058.N1	13-DEC-2010 11:41:55	Dark	42.000	71	Iot Car	2.2460	7700.0	84	45943	No
185	GOM_NL__2PRFIN20101213_114629_000000483097_00239_45943_4059.N1	13-DEC-2010 11:46:29	Dark	47.500	34	Gam2Vel	1.7930	23000.	95	45943	No
186	GOM_NL__2PRFIN20101213_114849_000000533097_00239_45943_4060.N1	13-DEC-2010 11:48:49	Dark	53.000	2	Alp Car	-0.73600	7000.0	106	45943	No
187	GOM_NL__2PRFIN20101213_115125_000000513097_00239_45943_4061.N1	13-DEC-2010 11:51:25	Dark	50.500	117	Pi Pup	2.7060	3800.0	101	45943	No
188	GOM_NL__2PRFIN20101213_115444_000000573097_00239_45943_4062.N1	13-DEC-2010 11:54:44	Straylight	57.000	23	21Eps CMa	1.5020	26000.	114	45943	No
189	GOM_NL__2PRFIN20101213_115928_000000513097_00239_45943_4063.N1	13-DEC-2010 11:59:28	Straylight	51.000	47	2Bet CMa	1.9760	28000.	102	45943	No
190	GOM_NL__2PRFIN20101213_120304_000000503097_00239_45943_4064.N1	13-DEC-2010 12:03:04	Straylight	50.000	7	19Bet Ori	0.10000	14000.	100	45943	No
191	GOM_NL__2PRFIN20101213_120524_000000543097_00239_45943_4065.N1	13-DEC-2010 12:05:24	Straylight	54.000	30	46Eps Ori	1.6940	30000.	108	45943	No
192	GOM_NL__2PRFIN20101213_120842_000000293097_00239_45943_4066.N1	13-DEC-2010 12:08:42	Tw_i_and_stray	29.000	14	58Alp Ori	0.87000	3000.0	58	45943	No
193	GOM_NL__2PRFIN20101213_121028_000000463097_00239_45943_4067.N1	13-DEC-2010 12:10:28	Tw_i_and_stray	45.500	13	87Alp Tau	0.86700	3800.0	91	45943	No
194	GOM_NL__2PRFIN20101213_121456_000000443097_00239_45943_4068.N1	13-DEC-2010 12:14:56	Bright	43.500	28	12Bet Tau	1.6500	15200.	87	45943	No
195	GOM_NL__2PRFIN20101213_121702_000000363097_00239_45943_4069.N1	13-DEC-2010 12:17:02	Bright	36.000	149	45Eps Per	2.8880	30000.	72	45943	No
196	GOM_NL__2PRFIN20101213_121840_000000473097_00239_45943_4070.N1	13-DEC-2010 12:18:40	Bright	47.000	107	37The Aur	2.6490	11000.	94	45943	No
197	GOM_NL__2PRFIN20101213_122048_000000463097_00239_45943_4071.N1	13-DEC-2010 12:20:48	Bright	46.000	42	34Bet Aur	1.9000	10200.	92	45943	No
198	GOM_NL__2PRFIN20101213_123615_000000423097_00239_45943_4072.N1	13-DEC-2010 12:36:15	Bright	42.000	36	50Alp UMa	1.8000	6300.0	84	45943	No
199	GOM_NL__2PRFIN20101213_124017_000000423097_00239_45943_4073.N1	13-DEC-2010 12:40:17	Bright	42.000	32	77Eps UMa	1.7630	11000.	84	45943	No
200	GOM_NL__2PRFIN20101213_124246_000000403097_00239_45943_4074.N1	13-DEC-2010 12:42:46	Bright	40.000	39	85Eta UMa	1.8540	24000.	80	45943	No
201	GOM_NL__2PRFIN20101213_124601_000000373097_00239_45943_4075.N1	13-DEC-2010 12:46:01	Bright	37.000	180	27Gam Boo	3.0400	8000.0	74	45943	No
202	GOM_NL__2PRFIN20101213_125224_000000593097_00239_45943_4076.N1	13-DEC-2010 12:52:24	Bright	59.000	111	8Eta Boo	2.6800	6000.0	118	45943	No
203	GOM_NL__2PRFIN20101213_125609_000000493097_00239_45943_4077.N1	13-DEC-2010 12:56:09	Bright	49.000	138	47Eps Vir	2.8280	4700.0	98	45943	No
204	GOM_NL__2PRFIN20101213_130204_000000523097_00239_45943_4078.N1	13-DEC-2010 13:02:04	Tw_i_and_stray	51.500	15	67Alp Vir	0.97600	28000.	103	45943	No
205	GOM_NL__2PRFIN20101213_130533_000000483097_00239_45943_4079.N1	13-DEC-2010 13:05:33	Twilight	47.500	169	46Gam Hya	2.9910	4700.0	95	45943	No
206	GOM_NL__2PRFIN20101213_130741_000000573097_00239_45943_4080.N1	13-DEC-2010 13:07:41	Dark	56.500	100	4Gam Crv	2.5800	13100.	113	45943	No
207	GOM_NL__2PRFIN20101213_131256_000000423097_00239_45943_4081.N1	13-DEC-2010 13:12:56	Dark	41.500	64	Gam Cen	2.2000	10600.	83	45943	No
208	GOM_NL__2PRFIN20101213_131431_000000413097_00240_45944_4115.N1	13-DEC-2010 13:14:31	Dark	41.000	99	Del Cen	2.5750	26000.	82	45944	No
209	GOM_NL__2PRFIN20101213_131813_000000463097_00240_45944_4116.N1	13-DEC-2010 13:18:13	Dark	46.000	113	Mu Vel	2.6920	5000.0	92	45944	No
210	GOM_NL__2PRFIN20101213_132209_000000433097_00240_45944_4117.N1	13-DEC-2010 13:22:09	Dark	43.000	71	Iot Car	2.2460	7700.0	86	45944	No
211	GOM_NL__2PRFIN20101213_132644_000000463097_00240_45944_4118.N1	13-DEC-2010 13:26:44	Dark	46.000	34	Gam2Vel	1.7930	23000.	92	45944	No
212	GOM_NL__2PRFIN20101213_132904_000000493097_00240_45944_4119.N1	13-DEC-2010 13:29:04	Dark	48.500	2	Alp Car	-0.73600	7000.0	97	45944	No
213	GOM_NL__2PRFIN20101213_133139_000000543097_00240_45944_4120.N1	13-DEC-2010 13:31:39	Dark	54.000	117	Pi Pup	2.7060	3800.0	108	45944	No
214	GOM_NL__2PRFIN20101213_133459_000000563097_00240_45944_4121.N1	13-DEC-2010 13:34:59	Straylight	56.000	23	21Eps CMa	1.5020	26000.	112	45944	No
215	GOM_NL__2PRFIN20101213_133942_000000563097_00240_45944_4122.N1	13-DEC-2010 13:39:42	Straylight	55.500	47	2Bet CMa	1.9760	28000.	111	45944	No
216	GOM_NL__2PRFIN20101213_134319_000000503097_00240_45944_4123.N1	13-DEC-2010 13:43:19	Straylight	50.000	7	19Bet Ori	0.10000	14000.	100	45944	No
217	GOM_NL__2PRFIN20101213_134538_000000533097_00240_45944_4124.N1	13-DEC-2010 13:45:38	Straylight	52.500	30	46Eps Ori	1.6940	30000.	105	45944	No
218	GOM_NL__2PRFIN20101213_134855_000000363097_00240_45944_4125.N1	13-DEC-2010 13:48:55	Tw_i_and_stray	36.000	14	58Alp Ori	0.87000	3000.0	72	45944	No
219	GOM_NL__2PRFIN20101213_135042_000000503097_00240_45944_4126.N1	13-DEC-2010 13:50:42	Tw_i_and_stray	49.500	13	87Alp Tau	0.86700	3800.0	99	45944	No

220	GOM_NL__2PRFIN20101213_135510_000000443097_00240_45944_4127.N1	13-DEC-2010 13:55:10	Bright	44.000	28	12Bet Tau	1.6500	15200.	88	45944	No
221	GOM_NL__2PRFIN20101213_135716_000000353097_00240_45944_4128.N1	13-DEC-2010 13:57:16	Bright	34.500	149	45Eps Per	2.8880	30000.	69	45944	No
222	GOM_NL__2PRFIN20101213_135853_000000453097_00240_45944_4129.N1	13-DEC-2010 13:58:53	Bright	45.000	107	37The Aur	2.6490	11000.	90	45944	No
223	GOM_NL__2PRFIN20101213_140101_000000443097_00240_45944_4130.N1	13-DEC-2010 14:01:01	Bright	43.500	42	34Bet Aur	1.9000	10200.	87	45944	No
224	GOM_NL__2PRFIN20101213_141629_000000473097_00240_45944_4131.N1	13-DEC-2010 14:16:29	Bright	47.000	36	50Alp UMa	1.8000	6300.0	94	45944	No
225	GOM_NL__2PRFIN20101213_142031_000000423097_00240_45944_4132.N1	13-DEC-2010 14:20:31	Bright	42.000	32	77Eps UMa	1.7630	11000.	84	45944	No
226	GOM_NL__2PRFIN20101213_142300_000000393097_00240_45944_4133.N1	13-DEC-2010 14:23:00	Bright	38.500	39	85Eta UMa	1.8540	24000.	77	45944	No
227	GOM_NL__2PRFIN20101213_142616_000000363097_00240_45944_4134.N1	13-DEC-2010 14:26:16	Bright	36.000	180	27Gam Boo	3.0400	8000.0	72	45944	No
228	GOM_NL__2PRFIN20101213_143239_000000593097_00240_45944_4135.N1	13-DEC-2010 14:32:39	Bright	59.000	111	8Eta Boo	2.6800	6000.0	118	45944	No
229	GOM_NL__2PRFIN20101213_143623_000000543097_00240_45944_4136.N1	13-DEC-2010 14:36:23	Bright	54.000	138	47Eps Vir	2.8280	4700.0	108	45944	No
230	GOM_NL__2PRFIN20101213_144219_000000503097_00240_45944_4137.N1	13-DEC-2010 14:42:19	Twi_and_stray	49.500	15	67Alp Vir	0.97600	28000.	99	45944	No
231	GOM_NL__2PRFIN20101213_144548_000000483097_00240_45944_4138.N1	13-DEC-2010 14:45:48	Twilight	48.000	169	46Gam Hya	2.9910	4700.0	96	45944	No
232	GOM_NL__2PRFIN20101213_144756_000000563097_00240_45944_4139.N1	13-DEC-2010 14:47:56	Dark	55.500	100	4Gam Crv	2.5800	13100.	111	45944	No
233	GOM_NL__2PRFIN20101213_145310_000000433097_00240_45944_4140.N1	13-DEC-2010 14:53:10	Dark	43.000	64	Gam Cen	2.2000	10600.	86	45944	No
234	GOM_NL__2PRFIN20101213_145446_000000413097_00241_45945_4172.N1	13-DEC-2010 14:54:46	Dark	41.000	99	Del Cen	2.5750	26000.	82	45945	No
235	GOM_NL__2PRFIN20101213_145828_000000463097_00241_45945_4173.N1	13-DEC-2010 14:58:28	Dark	46.000	113	Mu Vel	2.6920	5000.0	92	45945	No
236	GOM_NL__2PRFIN20101213_150224_000000413097_00241_45945_4174.N1	13-DEC-2010 15:02:24	Dark	41.000	71	Iot Car	2.2460	7700.0	82	45945	No
237	GOM_NL__2PRFIN20101213_150659_000000463097_00241_45945_4175.N1	13-DEC-2010 15:06:59	Dark	46.000	34	Gam2Vel	1.7930	23000.	92	45945	No
238	GOM_NL__2PRFIN20101213_150918_000000543097_00241_45945_4176.N1	13-DEC-2010 15:09:18	Dark	53.500	2	Alp Car	-0.73600	7000.0	107	45945	No
239	GOM_NL__2PRFIN20101213_151154_000000583097_00241_45945_4177.N1	13-DEC-2010 15:11:54	Dark	58.000	117	Pi Pup	2.7060	3800.0	116	45945	No
240	GOM_NL__2PRFIN20101213_151513_000000563097_00241_45945_4178.N1	13-DEC-2010 15:15:13	Straylight	55.500	23	21Eps CMa	1.5020	26000.	111	45945	No
241	GOM_NL__2PRFIN20101213_151956_000000533097_00241_45945_4179.N1	13-DEC-2010 15:19:56	Straylight	53.000	47	2Bet CMa	1.9760	28000.	106	45945	No
242	GOM_NL__2PRFIN20101213_152333_000000493097_00241_45945_4180.N1	13-DEC-2010 15:23:33	Straylight	49.000	7	19Bet Ori	0.10000	14000.	98	45945	No
243	GOM_NL__2PRFIN20101213_152552_000000523097_00241_45945_4181.N1	13-DEC-2010 15:25:52	Straylight	52.000	30	46Eps Ori	1.6940	30000.	104	45945	No
244	GOM_NL__2PRFIN20101213_152909_000000363097_00241_45945_4182.N1	13-DEC-2010 15:29:09	Twi_and_stray	36.000	14	58Alp Ori	0.87000	3000.0	72	45945	No
245	GOM_NL__2PRFIN20101213_153056_000000553097_00241_45945_4183.N1	13-DEC-2010 15:30:56	Twi_and_stray	55.000	13	87Alp Tau	0.86700	3800.0	110	45945	No
246	GOM_NL__2PRFIN20101213_153523_000000453097_00241_45945_4184.N1	13-DEC-2010 15:35:23	Bright	45.000	28	12Bet Tau	1.6500	15200.	90	45945	No
247	GOM_NL__2PRFIN20101213_153730_000000353097_00241_45945_4185.N1	13-DEC-2010 15:37:30	Bright	35.000	149	45Eps Per	2.8880	30000.	70	45945	No
248	GOM_NL__2PRFIN20101213_153907_000000463097_00241_45945_4186.N1	13-DEC-2010 15:39:07	Bright	46.000	107	37The Aur	2.6490	11000.	92	45945	No
249	GOM_NL__2PRFIN20101213_154115_000000453097_00241_45945_4187.N1	13-DEC-2010 15:41:15	Bright	44.500	42	34Bet Aur	1.9000	10200.	89	45945	No
250	GOM_NL__2PRFIN20101213_155642_000000483097_00241_45945_4188.N1	13-DEC-2010 15:56:42	Bright	48.000	36	50Alp UMa	1.8000	6300.0	96	45945	No
251	GOM_NL__2PRFIN20101213_160045_000000443097_00241_45945_4189.N1	13-DEC-2010 16:00:45	Bright	43.500	32	77Eps UMa	1.7630	11000.	87	45945	No
252	GOM_NL__2PRFIN20101213_160314_000000413097_00241_45945_4190.N1	13-DEC-2010 16:03:14	Bright	41.000	39	85Eta UMa	1.8540	24000.	82	45945	No
253	GOM_NL__2PRFIN20101213_160630_000000363097_00241_45945_4191.N1	13-DEC-2010 16:06:30	Bright	35.500	180	27Gam Boo	3.0400	8000.0	71	45945	No
254	GOM_NL__2PRFIN20101213_161253_000000413097_00241_45945_4192.N1	13-DEC-2010 16:12:53	Bright	41.000	111	8Eta Boo	2.6800	6000.0	82	45945	No
255	GOM_NL__2PRFIN20101213_161638_000000503097_00241_45945_4193.N1	13-DEC-2010 16:16:38	Bright	49.500	138	47Eps Vir	2.8280	4700.0	99	45945	No
256	GOM_NL__2PRFIN20101213_162234_000000523097_00241_45945_4194.N1	13-DEC-2010 16:22:34	Twi_and_stray	51.500	15	67Alp Vir	0.97600	28000.	103	45945	No
257	GOM_NL__2PRFIN20101213_162603_000000503097_00241_45945_4195.N1	13-DEC-2010 16:26:03	Twilight	49.500	169	46Gam Hya	2.9910	4700.0	99	45945	No
258	GOM_NL__2PRFIN20101213_162812_000000543097_00241_45945_4196.N1	13-DEC-2010 16:28:12	Dark	54.000	100	4Gam Crv	2.5800	13100.	108	45945	No
259	GOM_NL__2PRFIN20101213_163325_000000413097_00241_45945_4197.N1	13-DEC-2010 16:33:25	Dark	40.500	64	Gam Cen	2.2000	10600.	81	45945	No
260	GOM_NL__2PRFIN20101213_163500_000000413097_00242_45946_4222.N1	13-DEC-2010 16:35:00	Dark	41.000	99	Del Cen	2.5750	26000.	82	45946	No
261	GOM_NL__2PRFIN20101213_163843_000000473097_00242_45946_4223.N1	13-DEC-2010 16:38:43	Dark	47.000	113	Mu Vel	2.6920	5000.0	94	45946	No
262	GOM_NL__2PRFIN20101213_164239_000000423097_00242_45946_4224.N1	13-DEC-2010 16:42:39	Dark	41.500	71	Iot Car	2.2460	7700.0	83	45946	No
263	GOM_NL__2PRFIN20101213_164714_000000473097_00242_45946_4225.N1	13-DEC-2010 16:47:14	Dark	46.500	34	Gam2Vel	1.7930	23000.	93	45946	No
264	GOM_NL__2PRFIN20101213_164933_000000503097_00242_45946_4226.N1	13-DEC-2010 16:49:33	Dark	49.500	2	Alp Car	-0.73600	7000.0	99	45946	No
265	GOM_NL__2PRFIN20101213_165209_000000553097_00242_45946_4227.N1	13-DEC-2010 16:52:09	Dark	54.500	117	Pi Pup	2.7060	3800.0	109	45946	No
266	GOM_NL__2PRFIN20101213_165528_000000543097_00242_45946_4228.N1	13-DEC-2010 16:55:28	Straylight	54.000	23	21Eps CMa	1.5020	26000.	108	45946	No
267	GOM_NL__2PRFIN20101213_170010_000000543097_00242_45946_4229.N1	13-DEC-2010 17:00:10	Straylight	54.000	47	2Bet CMa	1.9760	28000.	108	45946	No
268	GOM_NL__2PRFIN20101213_170347_000000543097_00242_45946_4230.N1	13-DEC-2010 17:03:47	Straylight	54.000	7	19Bet Ori	0.10000	14000.	108	45946	No
269	GOM_NL__2PRFIN20101213_170606_000000503097_00242_45946_4231.N1	13-DEC-2010 17:06:06	Straylight	50.000	30	46Eps Ori	1.6940	30000.	100	45946	No
270	GOM_NL__2PRFIN20101213_170922_000000433097_00242_45946_4232.N1	13-DEC-2010 17:09:22	Twi_and_stray	43.000	14	58Alp Ori	0.87000	3000.0	86	45946	No
271	GOM_NL__2PRFIN20101213_171110_000000553097_00242_45946_4233.N1	13-DEC-2010 17:11:10	Twi_and_stray	55.000	13	87Alp Tau	0.86700	3800.0	110	45946	No
272	GOM_NL__2PRFIN20101213_171537_000000433097_00242_45946_4234.N1	13-DEC-2010 17:15:37	Bright	43.000	28	12Bet Tau	1.6500	15200.	86	45946	No
273	GOM_NL__2PRFIN20101213_171744_000000363097_00242_45946_4235.N1	13-DEC-2010 17:17:44	Bright	36.000	149	45Eps Per	2.8880	30000.	72	45946	No
274	GOM_NL__2PRFIN20101213_171920_000000463097_00242_45946_4236.N1	13-DEC-2010 17:19:20	Bright	45.500	107	37The Aur	2.6490	11000.	91	45946	No
275	GOM_NL__2PRFIN20101213_172128_000000453097_00242_45946_4237.N1	13-DEC-2010 17:21:28	Bright	44.500	42	34Bet Aur	1.9000	10200.	89	45946	No
276	GOM_NL__2PRFIN20101213_173656_000000673097_00242_45946_4238.N1	13-DEC-2010 17:36:56	Bright	67.000	36	50Alp UMa	1.8000	6300.0	134	45946	No
277	GOM_NL__2PRFIN20101213_174059_000000453097_00242_45946_4239.N1	13-DEC-2010 17:40:59	Bright	44.500	32	77Eps UMa	1.7630	11000.	89	45946	No
278	GOM_NL__2PRFIN20101213_174328_000000413097_00242_45946_4240.N1	13-DEC-2010 17:43:28	Bright	41.000	39	85Eta UMa	1.8540	24000.	82	45946	No

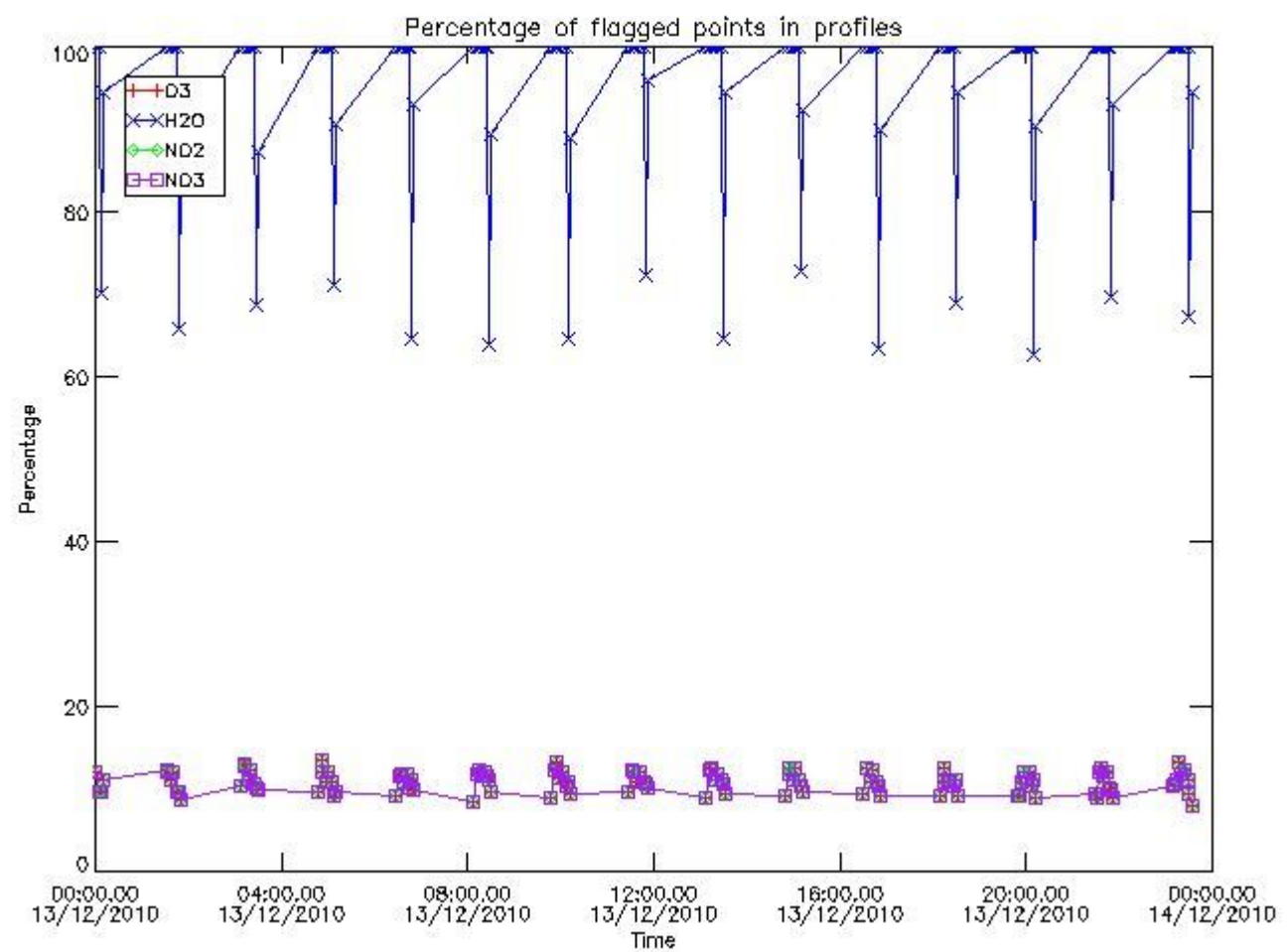
279	GOM_NL__2PRFIN20101213_174644_000000363097_00242_45946_4241.N1	13-DEC-2010 17:46:44	Bright	36.000	180	27Gam Boo	3.0400	8000.0	72	45946	No
280	GOM_NL__2PRFIN20101213_175307_000000413097_00242_45946_4242.N1	13-DEC-2010 17:53:07	Bright	41.000	111	8Eta Boo	2.6800	6000.0	82	45946	No
281	GOM_NL__2PRFIN20101213_175653_000000673097_00242_45946_4243.N1	13-DEC-2010 17:56:53	Bright	67.000	138	47Eps Vir	2.8280	4700.0	134	45946	No
282	GOM_NL__2PRFIN20101213_180249_000000513097_00242_45946_4244.N1	13-DEC-2010 18:02:49	Twilight	50.500	15	67Alp Vir	0.97600	28000.	101	45946	No
283	GOM_NL__2PRFIN20101213_180617_000000463097_00242_45946_4245.N1	13-DEC-2010 18:06:17	Twilight	46.000	169	46Gam Hya	2.9910	4700.0	92	45946	No
284	GOM_NL__2PRFIN20101213_180827_000000563097_00242_45946_4246.N1	13-DEC-2010 18:08:27	Dark	55.500	100	4Gam Crv	2.5800	13100.	111	45946	No
285	GOM_NL__2PRFIN20101213_181003_000000623097_00242_45946_4247.N1	13-DEC-2010 18:10:03	Dark	61.500	171	2Eps Crv	3.0010	4250.0	123	45946	No
286	GOM_NL__2PRFIN20101213_181340_000000483097_00242_45946_4248.N1	13-DEC-2010 18:13:40	Dark	47.500	64	Gam Cen	2.2000	10600.	95	45946	No
287	GOM_NL__2PRFIN20101213_181515_000000413097_00243_45947_4234.N1	13-DEC-2010 18:15:15	Dark	41.000	99	Del Cen	2.5750	26000.	82	45947	No
288	GOM_NL__2PRFIN20101213_181858_000000463097_00243_45947_4235.N1	13-DEC-2010 18:18:58	Dark	45.500	113	Mu Vel	2.6920	5000.0	91	45947	No
289	GOM_NL__2PRFIN20101213_182254_000000483097_00243_45947_4236.N1	13-DEC-2010 18:22:54	Dark	47.500	71	Iot Car	2.2460	7700.0	95	45947	No
290	GOM_NL__2PRFIN20101213_182729_000000503097_00243_45947_4237.N1	13-DEC-2010 18:27:29	Dark	49.500	34	Gam2Vel	1.7930	23000.	99	45947	No
291	GOM_NL__2PRFIN20101213_182947_000000463097_00243_45947_4238.N1	13-DEC-2010 18:29:47	Dark	45.500	2	Alp Car	-0.73600	7000.0	91	45947	No
292	GOM_NL__2PRFIN20101213_183223_000000563097_00243_45947_4239.N1	13-DEC-2010 18:32:23	Dark	55.500	117	Pi Pup	2.7060	3800.0	111	45947	No
293	GOM_NL__2PRFIN20101213_183542_000000573097_00243_45947_4240.N1	13-DEC-2010 18:35:42	Straylight	56.500	23	21Eps CMa	1.5020	26000.	113	45947	No
294	GOM_NL__2PRFIN20101213_184025_000000563097_00243_45947_4241.N1	13-DEC-2010 18:40:25	Straylight	56.000	47	2Bet CMa	1.9760	28000.	112	45947	No
295	GOM_NL__2PRFIN20101213_184401_000000523097_00243_45947_4242.N1	13-DEC-2010 18:44:01	Straylight	51.500	7	19Bet Ori	0.10000	14000.	103	45947	No
296	GOM_NL__2PRFIN20101213_184620_000000493097_00243_45947_4243.N1	13-DEC-2010 18:46:20	Straylight	48.500	30	46Eps Ori	1.6940	30000.	97	45947	No
297	GOM_NL__2PRFIN20101213_184936_000000433097_00243_45947_4244.N1	13-DEC-2010 18:49:36	Twilight	43.000	14	58Alp Ori	0.87000	3000.0	86	45947	No
298	GOM_NL__2PRFIN20101213_185124_000000523097_00243_45947_4245.N1	13-DEC-2010 18:51:24	Twilight	52.000	13	87Alp Tau	0.86700	3800.0	104	45947	No
299	GOM_NL__2PRFIN20101213_185550_000000463097_00243_45947_4246.N1	13-DEC-2010 18:55:50	Bright	45.500	28	12Bet Tau	1.6500	15200.	91	45947	No
300	GOM_NL__2PRFIN20101213_185758_000000363097_00243_45947_4247.N1	13-DEC-2010 18:57:58	Bright	36.000	149	45Eps Per	2.8880	30000.	72	45947	No
301	GOM_NL__2PRFIN20101213_185933_000000463097_00243_45947_4248.N1	13-DEC-2010 18:59:33	Bright	45.500	107	37The Aur	2.6490	11000.	91	45947	No
302	GOM_NL__2PRFIN20101213_190142_000000443097_00243_45947_4249.N1	13-DEC-2010 19:01:42	Bright	44.000	42	34Bet Aur	1.9000	10200.	88	45947	No
303	GOM_NL__2PRFIN20101213_191709_000000483097_00243_45947_4250.N1	13-DEC-2010 19:17:09	Bright	48.000	36	50Alp UMa	1.8000	6300.0	96	45947	No
304	GOM_NL__2PRFIN20101213_192113_000000433097_00243_45947_4251.N1	13-DEC-2010 19:21:13	Bright	43.000	32	77Eps UMa	1.7630	11000.	86	45947	No
305	GOM_NL__2PRFIN20101213_192342_000000413097_00243_45947_4252.N1	13-DEC-2010 19:23:42	Bright	40.500	39	85Eta UMa	1.8540	24000.	81	45947	No
306	GOM_NL__2PRFIN20101213_192658_000000363097_00243_45947_4253.N1	13-DEC-2010 19:26:58	Bright	35.500	180	27Gam Boo	3.0400	8000.0	71	45947	No
307	GOM_NL__2PRFIN20101213_193322_000000413097_00243_45947_4254.N1	13-DEC-2010 19:33:22	Bright	40.500	111	8Eta Boo	2.6800	6000.0	81	45947	No
308	GOM_NL__2PRFIN20101213_193707_000000513097_00243_45947_4255.N1	13-DEC-2010 19:37:07	Bright	50.500	138	47Eps Vir	2.8280	4700.0	101	45947	No
309	GOM_NL__2PRFIN20101213_194303_000000513097_00243_45947_4256.N1	13-DEC-2010 19:43:03	Twilight	50.500	15	67Alp Vir	0.97600	28000.	101	45947	No
310	GOM_NL__2PRFIN20101213_194632_000000453097_00243_45947_4257.N1	13-DEC-2010 19:46:32	Twilight	45.000	169	46Gam Hya	2.9910	4700.0	90	45947	No
311	GOM_NL__2PRFIN20101213_194842_000000563097_00243_45947_4258.N1	13-DEC-2010 19:48:42	Dark	56.000	100	4Gam Crv	2.5800	13100.	112	45947	No
312	GOM_NL__2PRFIN20101213_195018_000000563097_00243_45947_4259.N1	13-DEC-2010 19:50:18	Dark	56.000	171	2Eps Crv	3.0010	4250.0	112	45947	No
313	GOM_NL__2PRFIN20101213_195354_000000473097_00243_45947_4260.N1	13-DEC-2010 19:53:54	Dark	46.500	64	Gam Cen	2.2000	10600.	93	45947	No
314	GOM_NL__2PRFIN20101213_195530_000000433097_00244_45948_4260.N1	13-DEC-2010 19:55:30	Dark	42.500	99	Del Cen	2.5750	26000.	85	45948	No
315	GOM_NL__2PRFIN20101213_195913_000000453097_00244_45948_4261.N1	13-DEC-2010 19:59:13	Dark	45.000	113	Mu Vel	2.6920	5000.0	90	45948	No
316	GOM_NL__2PRFIN20101213_200308_000000423097_00244_45948_4262.N1	13-DEC-2010 20:03:08	Dark	42.000	71	Iot Car	2.2460	7700.0	84	45948	No
317	GOM_NL__2PRFIN20101213_200743_000000503097_00244_45948_4263.N1	13-DEC-2010 20:07:43	Dark	49.500	34	Gam2Vel	1.7930	23000.	99	45948	No
318	GOM_NL__2PRFIN20101213_201001_000000463097_00244_45948_4264.N1	13-DEC-2010 20:10:01	Dark	46.000	2	Alp Car	-0.73600	7000.0	92	45948	No
319	GOM_NL__2PRFIN20101213_201238_000000573097_00244_45948_4265.N1	13-DEC-2010 20:12:38	Dark	57.000	117	Pi Pup	2.7060	3800.0	114	45948	No
320	GOM_NL__2PRFIN20101213_201557_000000563097_00244_45948_4266.N1	13-DEC-2010 20:15:57	Straylight	55.500	23	21Eps CMa	1.5020	26000.	111	45948	No
321	GOM_NL__2PRFIN20101213_202039_000000573097_00244_45948_4267.N1	13-DEC-2010 20:20:39	Straylight	56.500	47	2Bet CMa	1.9760	28000.	113	45948	No
322	GOM_NL__2PRFIN20101213_202415_000000573097_00244_45948_4268.N1	13-DEC-2010 20:24:15	Straylight	56.500	7	19Bet Ori	0.10000	14000.	113	45948	No
323	GOM_NL__2PRFIN20101213_202634_000000493097_00244_45948_4269.N1	13-DEC-2010 20:26:34	Straylight	48.500	30	46Eps Ori	1.6940	30000.	97	45948	No
324	GOM_NL__2PRFIN20101213_202950_000000503097_00244_45948_4270.N1	13-DEC-2010 20:29:50	Twilight	50.000	14	58Alp Ori	0.87000	3000.0	100	45948	No
325	GOM_NL__2PRFIN20101213_203138_000000553097_00244_45948_4271.N1	13-DEC-2010 20:31:38	Twilight	55.000	13	87Alp Tau	0.86700	3800.0	110	45948	No
326	GOM_NL__2PRFIN20101213_203402_000000463097_00244_45948_4272.N1	13-DEC-2010 20:34:02	Bright	46.000	176	23Zet Tau	3.0200	22000.	92	45948	No
327	GOM_NL__2PRFIN20101213_203604_000000453097_00244_45948_4273.N1	13-DEC-2010 20:36:04	Bright	45.000	28	12Bet Tau	1.6500	15200.	90	45948	No
328	GOM_NL__2PRFIN20101213_203812_000000363097_00244_45948_4274.N1	13-DEC-2010 20:38:12	Bright	35.500	149	45Eps Per	2.8880	30000.	71	45948	No
329	GOM_NL__2PRFIN20101213_203947_000000463097_00244_45948_4275.N1	13-DEC-2010 20:39:47	Bright	45.500	107	37The Aur	2.6490	11000.	91	45948	No
330	GOM_NL__2PRFIN20101213_204155_000000463097_00244_45948_4276.N1	13-DEC-2010 20:41:55	Bright	46.000	42	34Bet Aur	1.9000	10200.	92	45948	No
331	GOM_NL__2PRFIN20101213_205723_000000433097_00244_45948_4277.N1	13-DEC-2010 20:57:23	Bright	43.000	36	50Alp UMa	1.8000	6300.0	86	45948	No
332	GOM_NL__2PRFIN20101213_210126_000000433097_00244_45948_4278.N1	13-DEC-2010 21:01:26	Bright	43.000	32	77Eps UMa	1.7630	11000.	86	45948	No
333	GOM_NL__2PRFIN20101213_210356_000000383097_00244_45948_4279.N1	13-DEC-2010 21:03:56	Bright	37.500	39	85Eta UMa	1.8540	24000.	75	45948	No
334	GOM_NL__2PRFIN20101213_210712_000000373097_00244_45948_4280.N1	13-DEC-2010 21:07:12	Bright	36.500	180	27Gam Boo	3.0400	8000.0	73	45948	No
335	GOM_NL__2PRFIN20101213_211022_000000373097_00244_45948_4281.N1	13-DEC-2010 21:10:22	Bright	36.500	83		2.3780	11000.	73	45948	No
336	GOM_NL__2PRFIN20101213_211336_000000413097_00244_45948_4282.N1	13-DEC-2010 21:13:36	Bright	40.500	111	8Eta Boo	2.6800	6000.0	81	45948	No
337	GOM_NL__2PRFIN20101213_211722_000000713097_00244_45948_4283.N1	13-DEC-2010 21:17:22	Bright	71.000	138	47Eps Vir	2.8280	4700.0	142	45948	No

338	GOM_NL__2PRFIN20101213_212318_000000513097_00244_45948_4284.N1	13-DEC-2010 21:23:18	Twilight	50.500	15	67Alp Vir	0.97600	28000.	101	45948	No
339	GOM_NL__2PRFIN20101213_212647_000000483097_00244_45948_4285.N1	13-DEC-2010 21:26:47	Twilight	47.500	169	46Gam Hya	2.9910	4700.0	95	45948	No
340	GOM_NL__2PRFIN20101213_212857_000000553097_00244_45948_4286.N1	13-DEC-2010 21:28:57	Dark	54.500	100	4Gam Crv	2.5800	13100.	109	45948	No
341	GOM_NL__2PRFIN20101213_213033_000000583097_00244_45948_4287.N1	13-DEC-2010 21:30:33	Dark	57.500	171	2Eps Crv	3.0010	4250.0	115	45948	No
342	GOM_NL__2PRFIN20101213_213409_000000423097_00244_45948_4288.N1	13-DEC-2010 21:34:09	Dark	42.000	64	Gam Cen	2.2000	10600.	84	45948	No
343	GOM_NL__2PRFIN20101213_213544_000000413097_00245_45949_4291.N1	13-DEC-2010 21:35:44	Dark	41.000	99	Del Cen	2.5750	26000.	82	45949	No
344	GOM_NL__2PRFIN20101213_213928_000000453097_00245_45949_4292.N1	13-DEC-2010 21:39:28	Dark	44.500	113	Mu Vel	2.6920	5000.0	89	45949	No
345	GOM_NL__2PRFIN20101213_214323_000000423097_00245_45949_4293.N1	13-DEC-2010 21:43:23	Dark	42.000	71	Iot Car	2.2460	7700.0	84	45949	No
346	GOM_NL__2PRFIN20101213_214758_000000513097_00245_45949_4294.N1	13-DEC-2010 21:47:58	Dark	50.500	34	Gam2Vel	1.7930	23000.	101	45949	No
347	GOM_NL__2PRFIN20101213_215016_000000523097_00245_45949_4295.N1	13-DEC-2010 21:50:16	Dark	51.500	2	Alp Car	-0.73600	7000.0	103	45949	No
348	GOM_NL__2PRFIN20101213_215252_000000573097_00245_45949_4296.N1	13-DEC-2010 21:52:52	Dark	57.000	117	Pi Pup	2.7060	3800.0	114	45949	No
349	GOM_NL__2PRFIN20101213_215611_000000583097_00245_45949_4297.N1	13-DEC-2010 21:56:11	Straylight	58.000	23	21Eps CMa	1.5020	26000.	116	45949	No
350	GOM_NL__2PRFIN20101213_220053_000000553097_00245_45949_4298.N1	13-DEC-2010 22:00:53	Straylight	55.000	47	2Bet CMa	1.9760	28000.	110	45949	No
351	GOM_NL__2PRFIN20101213_220429_000000583097_00245_45949_4299.N1	13-DEC-2010 22:04:29	Straylight	58.000	7	19Bet Ori	0.10000	14000.	116	45949	No
352	GOM_NL__2PRFIN20101213_220648_000000513097_00245_45949_4300.N1	13-DEC-2010 22:06:48	Straylight	51.000	30	46Eps Ori	1.6940	30000.	102	45949	No
353	GOM_NL__2PRFIN20101213_221003_000000503097_00245_45949_4301.N1	13-DEC-2010 22:10:03	Twilight	50.000	14	58Alp Ori	0.87000	3000.0	100	45949	No
354	GOM_NL__2PRFIN20101213_221151_000000503097_00245_45949_4302.N1	13-DEC-2010 22:11:51	Twilight	50.000	13	87Alp Tau	0.86700	3800.0	100	45949	No
355	GOM_NL__2PRFIN20101213_221415_000000443097_00245_45949_4303.N1	13-DEC-2010 22:14:15	Bright	44.000	176	23Zet Tau	3.0200	22000.	88	45949	No
356	GOM_NL__2PRFIN20101213_221618_000000443097_00245_45949_4304.N1	13-DEC-2010 22:16:18	Bright	43.500	28	12Bet Tau	1.6500	15200.	87	45949	No
357	GOM_NL__2PRFIN20101213_221830_000000323097_00245_45949_4305.N1	13-DEC-2010 22:18:30	Bright	32.000	149	45Eps Per	2.8880	30000.	64	45949	No
358	GOM_NL__2PRFIN20101213_222000_000000463097_00245_45949_4306.N1	13-DEC-2010 22:20:00	Bright	46.000	107	37The Aur	2.6490	11000.	92	45949	No
359	GOM_NL__2PRFIN20101213_222208_000000453097_00245_45949_4307.N1	13-DEC-2010 22:22:08	Bright	44.500	42	34Bet Aur	1.9000	10200.	89	45949	No
360	GOM_NL__2PRFIN20101213_223736_000000493097_00245_45949_4308.N1	13-DEC-2010 22:37:36	Bright	48.500	36	50Alp UMa	1.8000	6300.0	97	45949	No
361	GOM_NL__2PRFIN20101213_224140_000000433097_00245_45949_4309.N1	13-DEC-2010 22:41:40	Bright	43.000	32	77Eps UMa	1.7630	11000.	86	45949	No
362	GOM_NL__2PRFIN20101213_224410_000000403097_00245_45949_4310.N1	13-DEC-2010 22:44:10	Bright	39.500	39	85Eta UMa	1.8540	24000.	79	45949	No
363	GOM_NL__2PRFIN20101213_224726_000000363097_00245_45949_4311.N1	13-DEC-2010 22:47:26	Bright	35.500	180	27Gam Boo	3.0400	8000.0	71	45949	No
364	GOM_NL__2PRFIN20101213_225036_000000373097_00245_45949_4312.N1	13-DEC-2010 22:50:36	Bright	36.500	83		2.3780	11000.	73	45949	No
365	GOM_NL__2PRFIN20101213_225350_000000393097_00245_45949_4313.N1	13-DEC-2010 22:53:50	Bright	38.500	111	8Eta Boo	2.6800	6000.0	77	45949	No
366	GOM_NL__2PRFIN20101213_225737_000000713097_00245_45949_4314.N1	13-DEC-2010 22:57:37	Bright	71.000	138	47Eps Vir	2.8280	4700.0	142	45949	No
367	GOM_NL__2PRFIN20101213_230333_000000473097_00245_45949_4315.N1	13-DEC-2010 23:03:33	Twilight	47.000	15	67Alp Vir	0.97600	28000.	94	45949	No
368	GOM_NL__2PRFIN20101213_230701_000000453097_00245_45949_4316.N1	13-DEC-2010 23:07:01	Twilight	44.500	169	46Gam Hya	2.9910	4700.0	89	45949	No
369	GOM_NL__2PRFIN20101213_230913_000000543097_00245_45949_4317.N1	13-DEC-2010 23:09:13	Dark	54.000	100	4Gam Crv	2.5800	13100.	108	45949	No
370	GOM_NL__2PRFIN20101213_231048_000000623097_00245_45949_4318.N1	13-DEC-2010 23:10:48	Dark	62.000	171	2Eps Crv	3.0010	4250.0	124	45949	No
371	GOM_NL__2PRFIN20101213_231424_000000463097_00245_45949_4319.N1	13-DEC-2010 23:14:24	Dark	46.000	64	Gam Cen	2.2000	10600.	92	45949	No
372	GOM_NL__2PRFIN20101213_231559_000000423097_00246_45950_4301.N1	13-DEC-2010 23:15:59	Dark	42.000	99	Del Cen	2.5750	26000.	84	45950	No
373	GOM_NL__2PRFIN20101213_231942_000000443097_00246_45950_4302.N1	13-DEC-2010 23:19:42	Dark	43.500	113	Mu Vel	2.6920	5000.0	87	45950	No
374	GOM_NL__2PRFIN20101213_232337_000000423097_00246_45950_4303.N1	13-DEC-2010 23:23:37	Dark	41.500	71	Iot Car	2.2460	7700.0	83	45950	No
375	GOM_NL__2PRFIN20101213_232813_000000513097_00246_45950_4304.N1	13-DEC-2010 23:28:13	Dark	50.500	34	Gam2Vel	1.7930	23000.	101	45950	No
376	GOM_NL__2PRFIN20101213_233030_000000543097_00246_45950_4305.N1	13-DEC-2010 23:30:30	Dark	54.000	2	Alp Car	-0.73600	7000.0	108	45950	No
377	GOM_NL__2PRFIN20101213_233307_000000643097_00246_45950_4306.N1	13-DEC-2010 23:33:07	Dark	64.000	117	Pi Pup	2.7060	3800.0	128	45950	No
378	GOM_NL__2PRFIN20101213_233626_000000573097_00246_45950_4307.N1	13-DEC-2010 23:36:26	Straylight	57.000	23	21Eps CMa	1.5020	26000.	114	45950	No
379	GOM_NL__2PRFIN20101213_234107_000000553097_00246_45950_4308.N1	13-DEC-2010 23:41:07	Straylight	54.500	47	2Bet CMa	1.9760	28000.	109	45950	No
380	GOM_NL__2PRFIN20101213_234443_000000503097_00246_45950_4309.N1	13-DEC-2010 23:44:43	Straylight	50.000	7	19Bet Ori	0.10000	14000.	100	45950	No
381	GOM_NL__2PRFIN20101213_234701_000000503097_00246_45950_4310.N1	13-DEC-2010 23:47:01	Straylight	49.500	30	46Eps Ori	1.6940	30000.	99	45950	No
382	GOM_NL__2PRFIN20101213_235017_000000573097_00246_45950_4311.N1	13-DEC-2010 23:50:17	Twilight	57.000	14	58Alp Ori	0.87000	3000.0	114	45950	No
383	GOM_NL__2PRFIN20101213_235205_000000553097_00246_45950_4312.N1	13-DEC-2010 23:52:05	Twilight	55.000	13	87Alp Tau	0.86700	3800.0	110	45950	No
384	GOM_NL__2PRFIN20101213_235429_000000443097_00246_45950_4313.N1	13-DEC-2010 23:54:29	Bright	43.500	176	23Zet Tau	3.0200	22000.	87	45950	No
385	GOM_NL__2PRFIN20101213_235631_000000433097_00246_45950_4314.N1	13-DEC-2010 23:56:31	Bright	43.000	28	12Bet Tau	1.6500	15200.	86	45950	No

3. Quality information per product

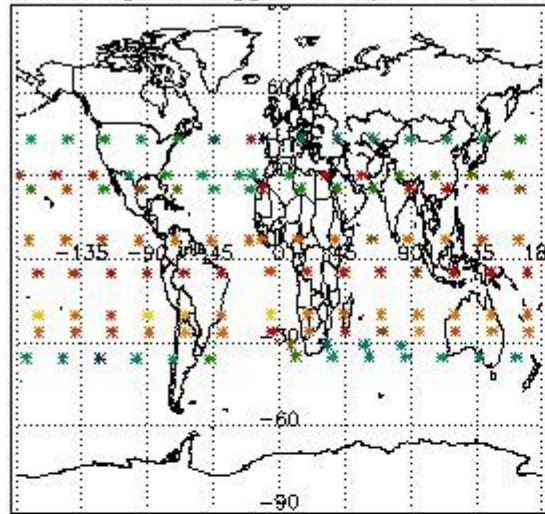
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

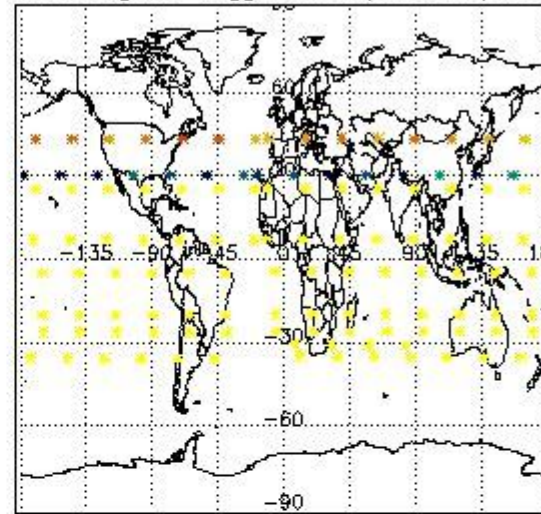


3.2 Plot quality information per product (world map)

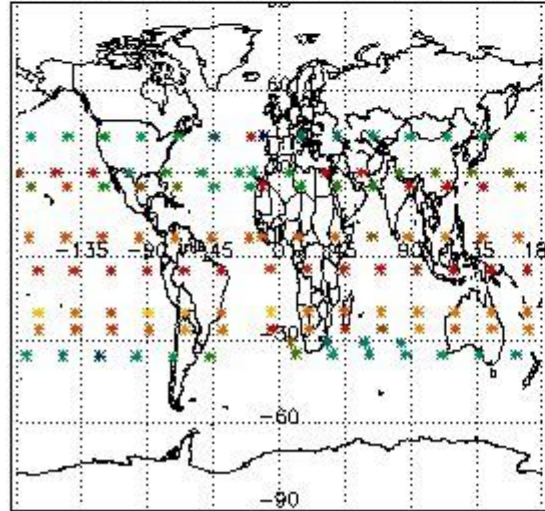
Percentage of flagged data per O3 profile



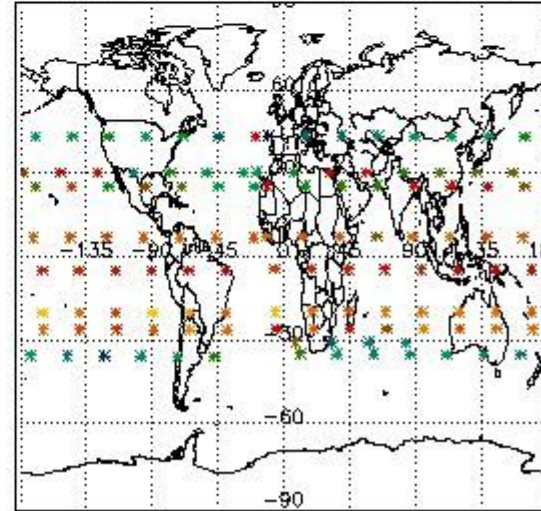
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

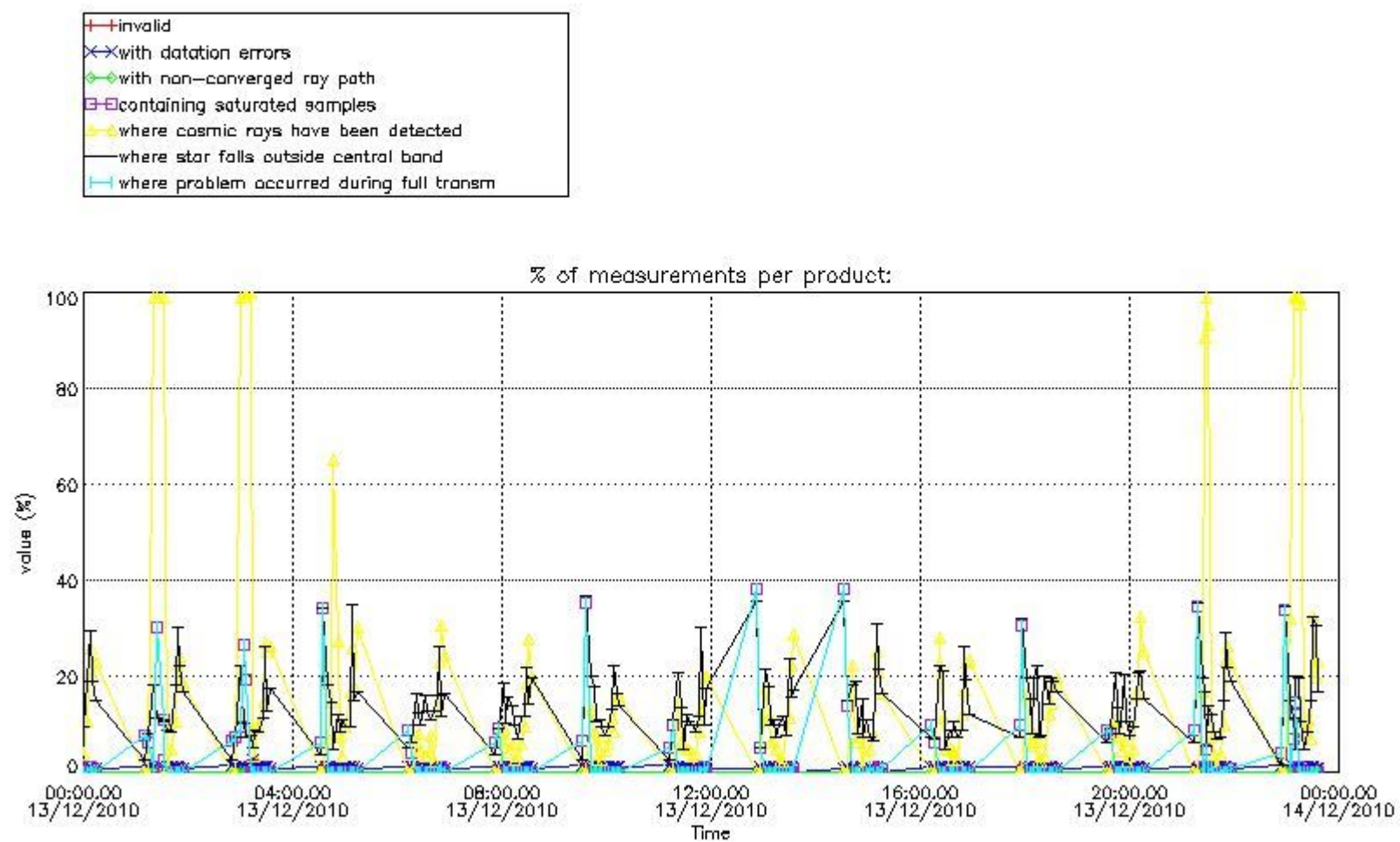


4. Level 1 quality information per product

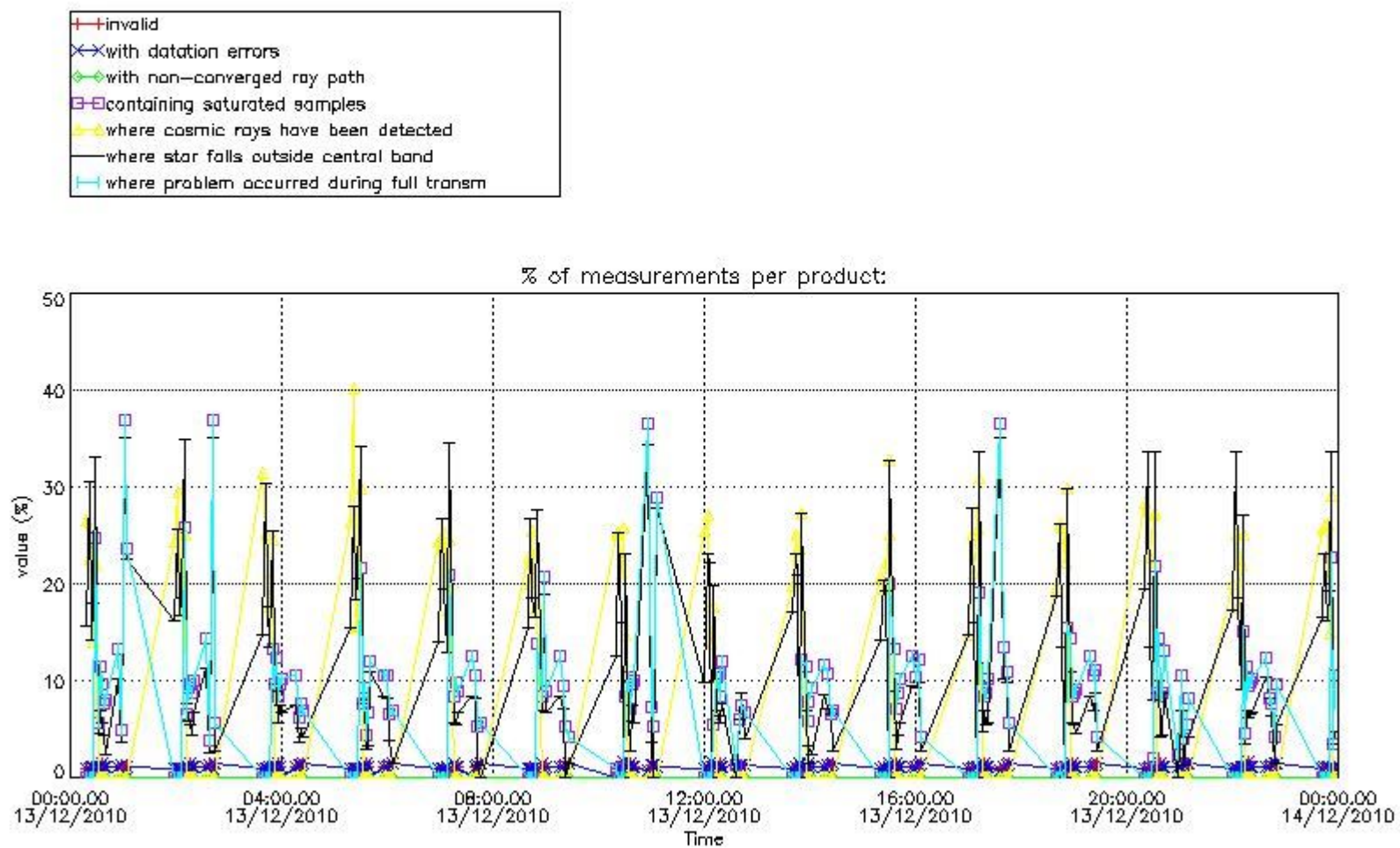
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

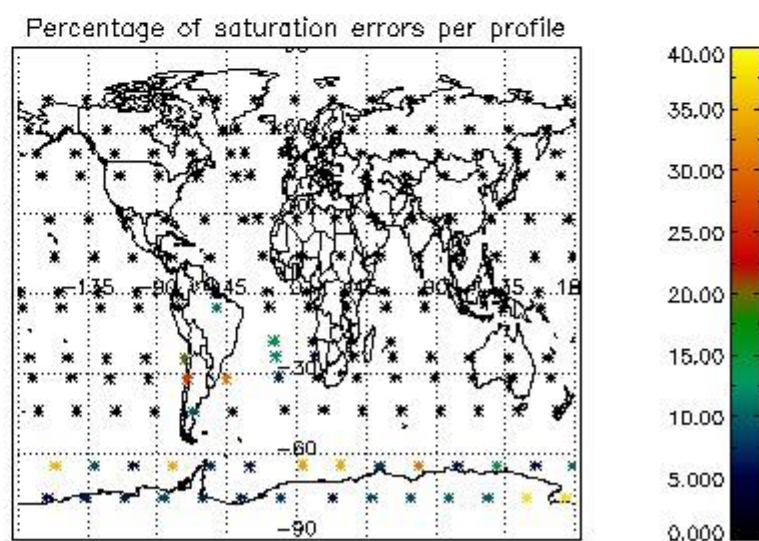
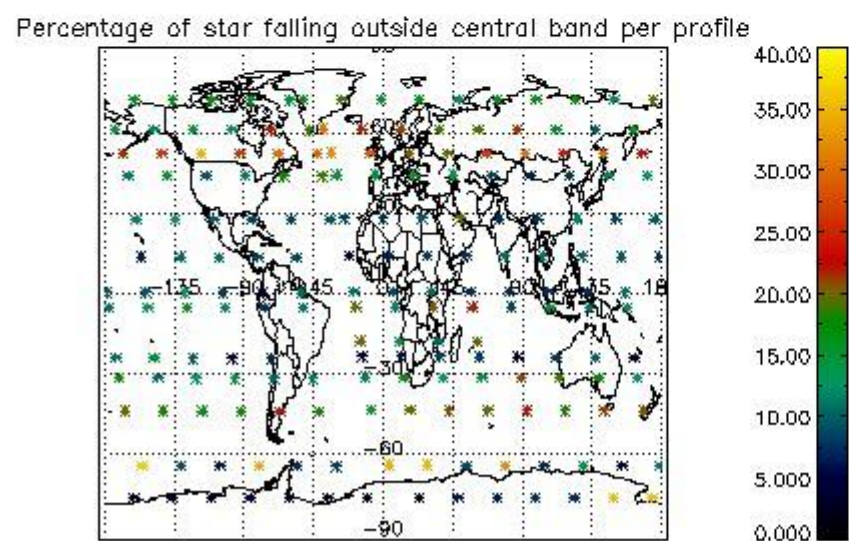
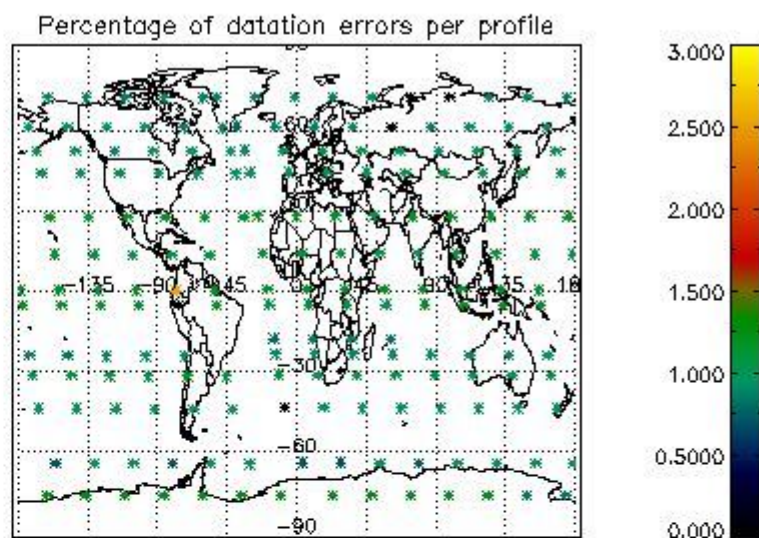
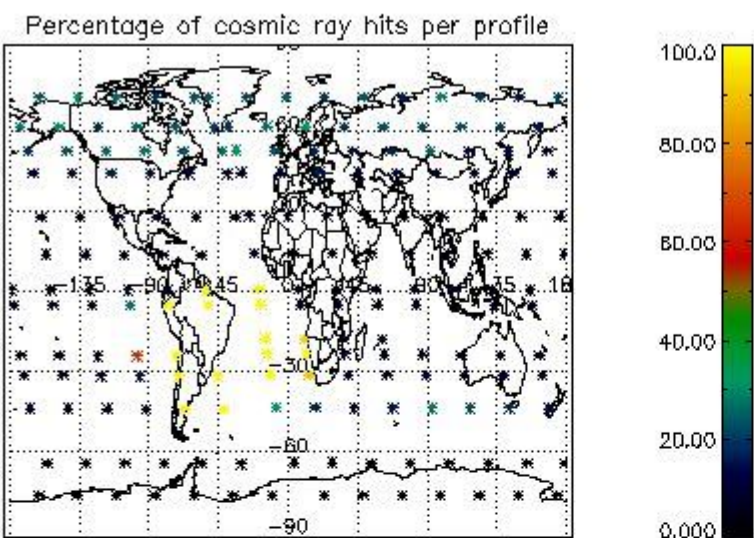


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes

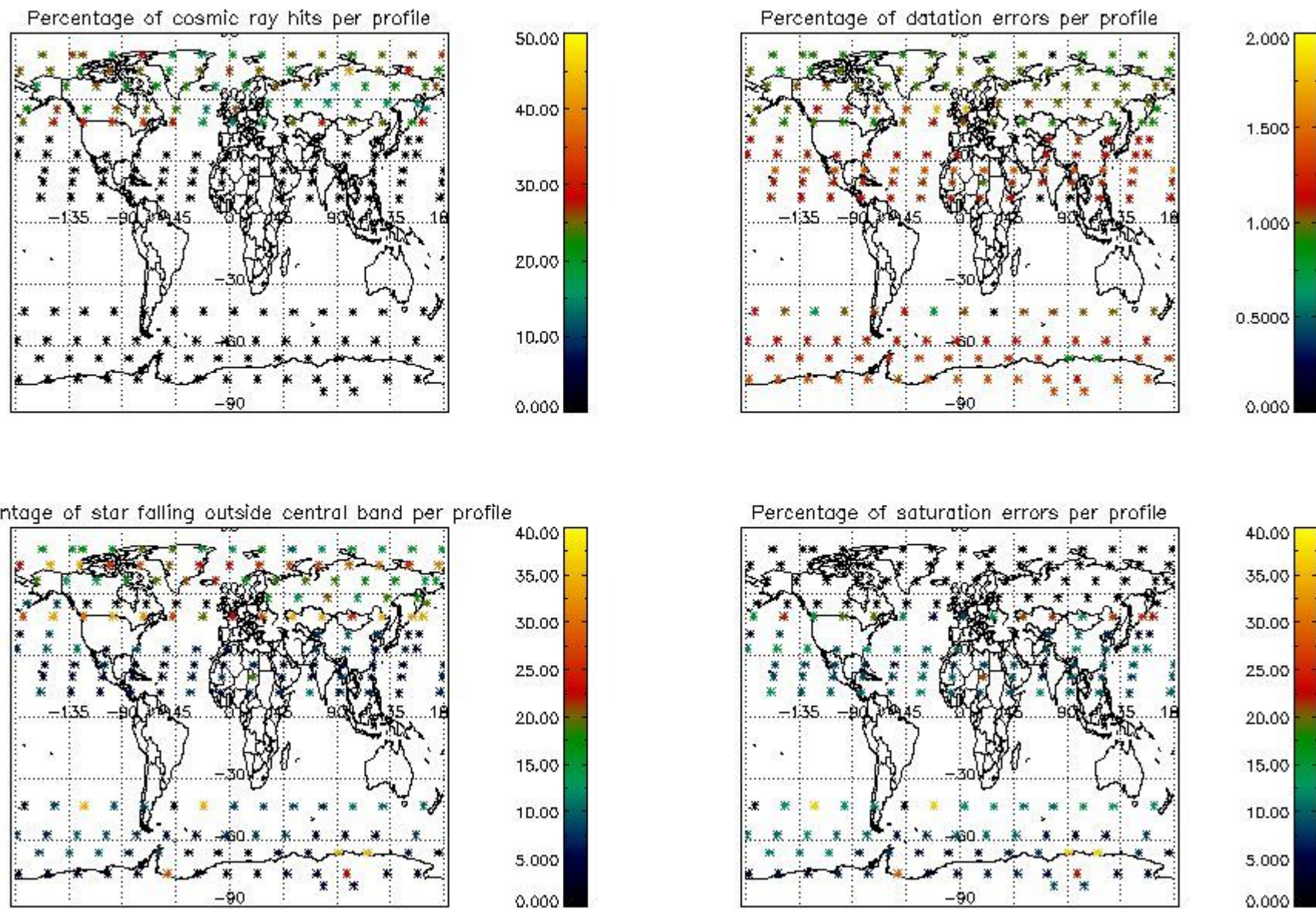


4.2 Plot quality information per product coming from level 1b processing (world map)

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

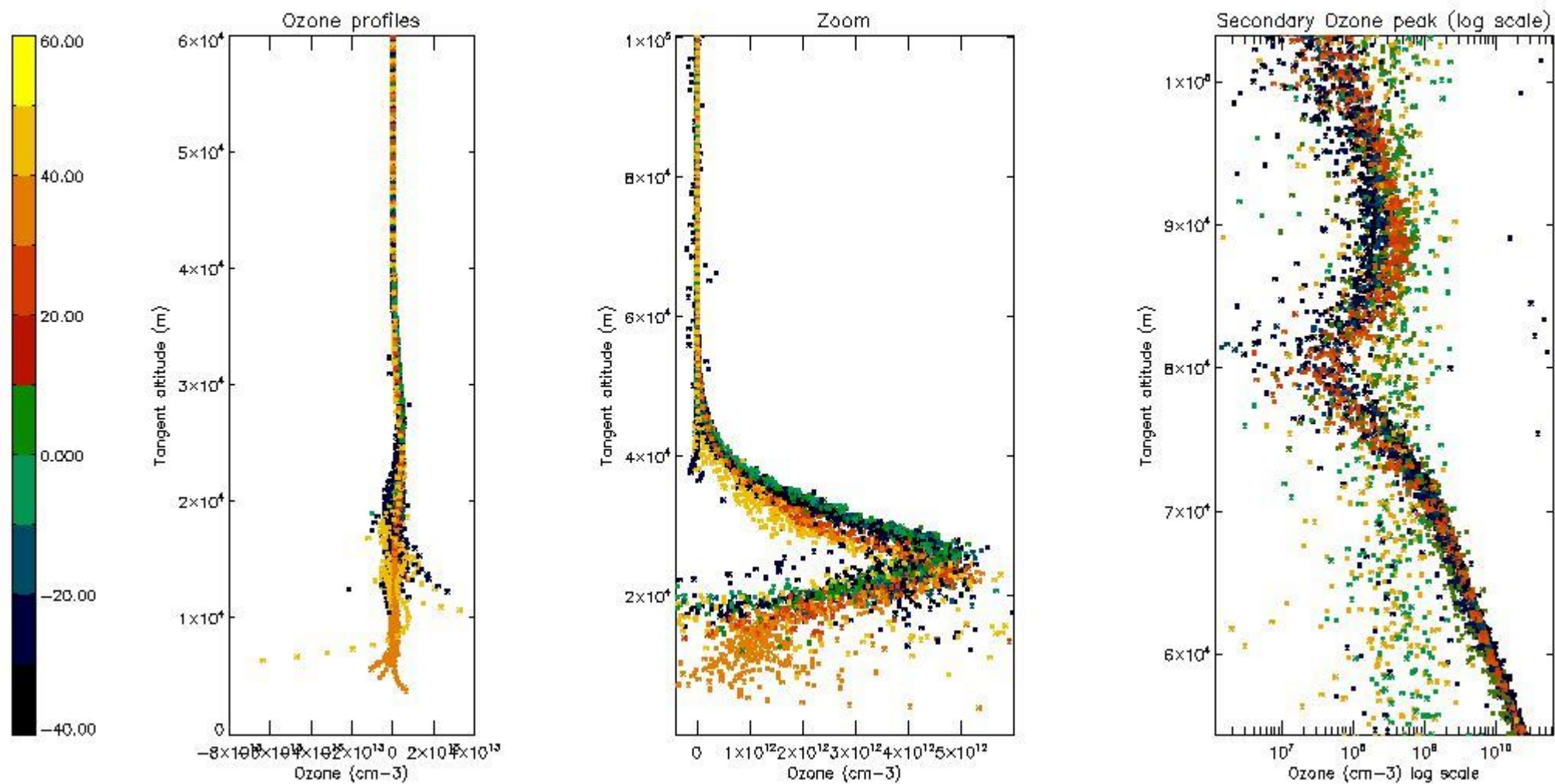
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	32
STD < 20	15

STD < 10	11
STD < 5	6

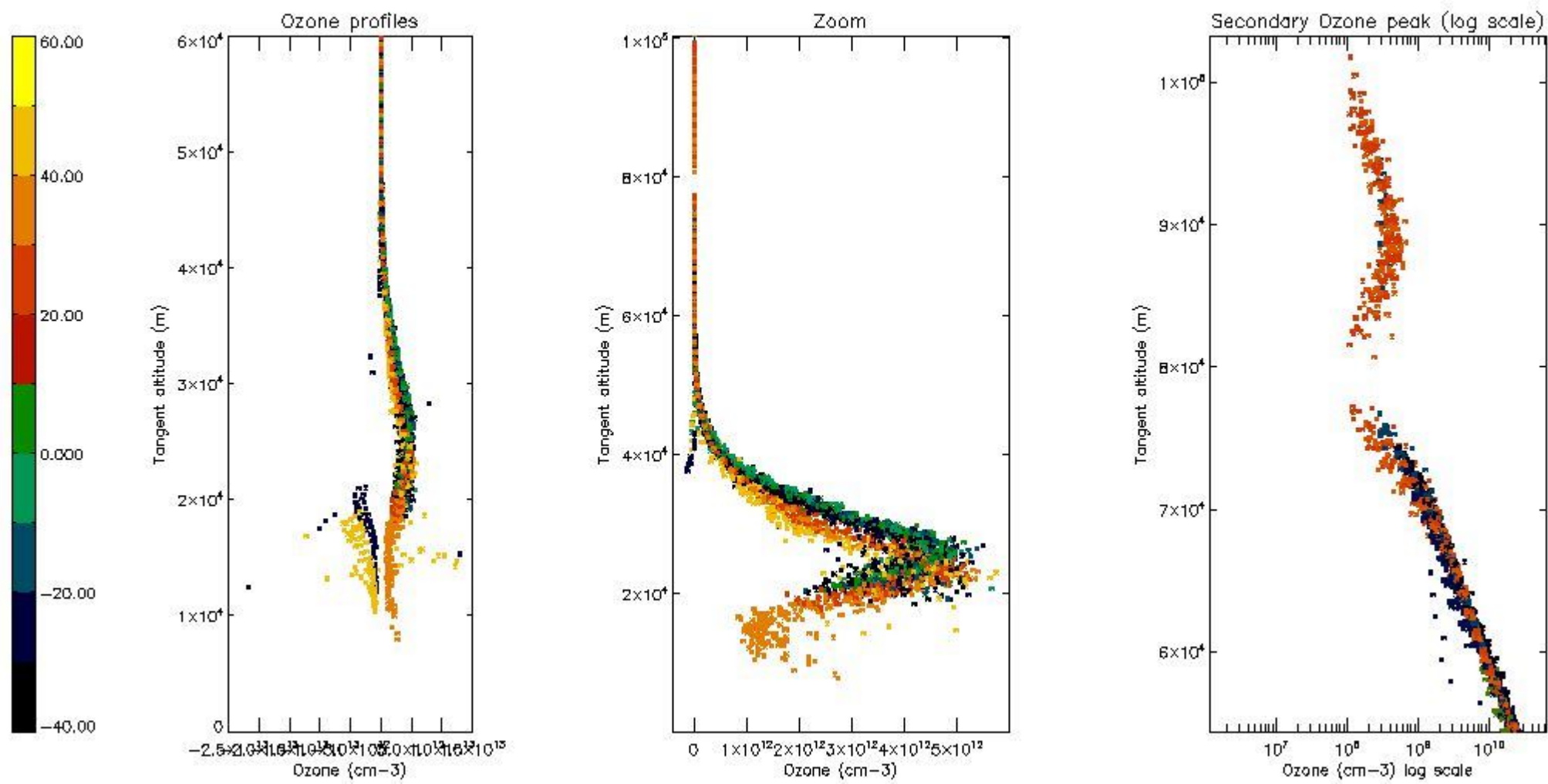
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



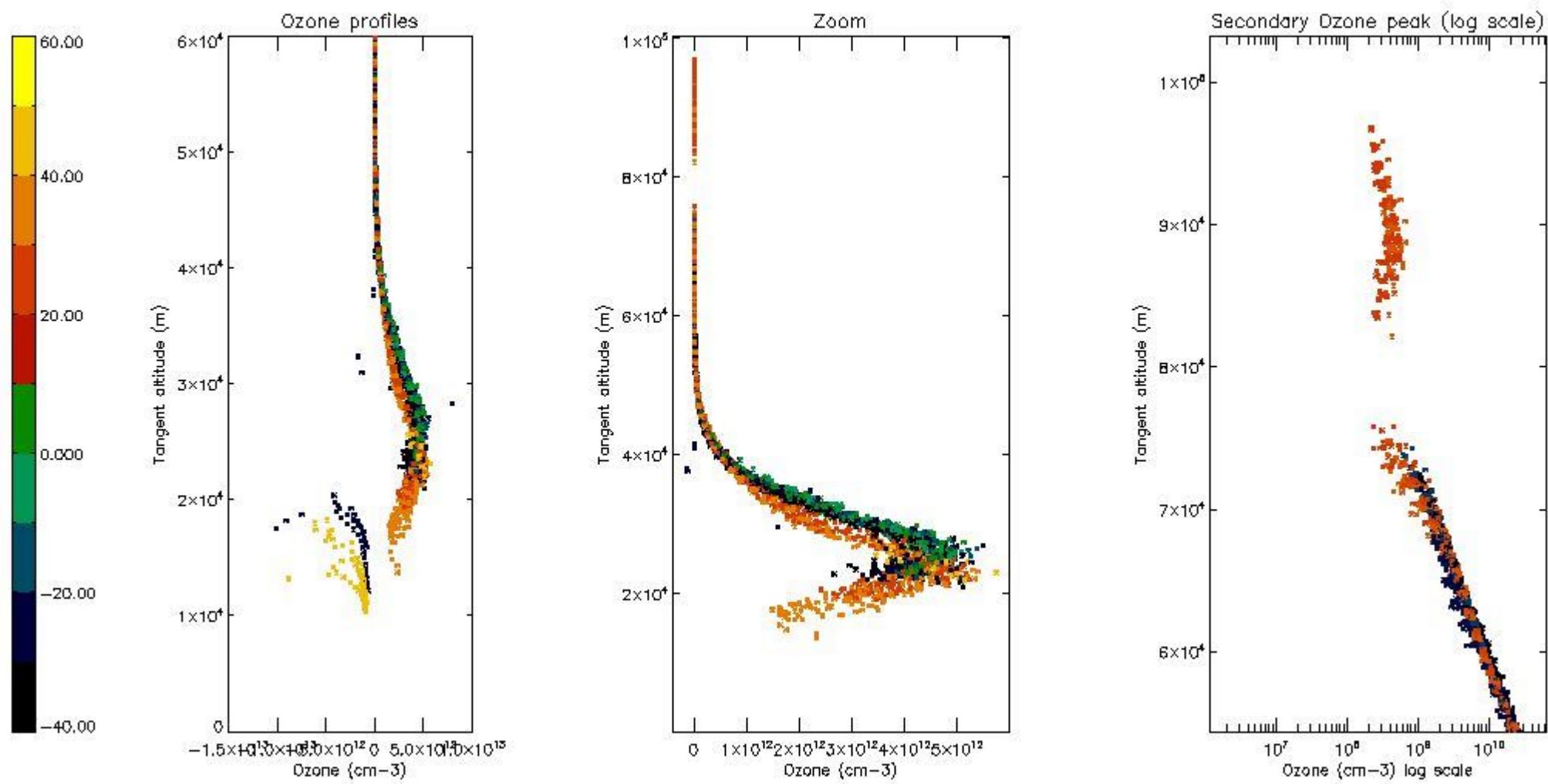
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



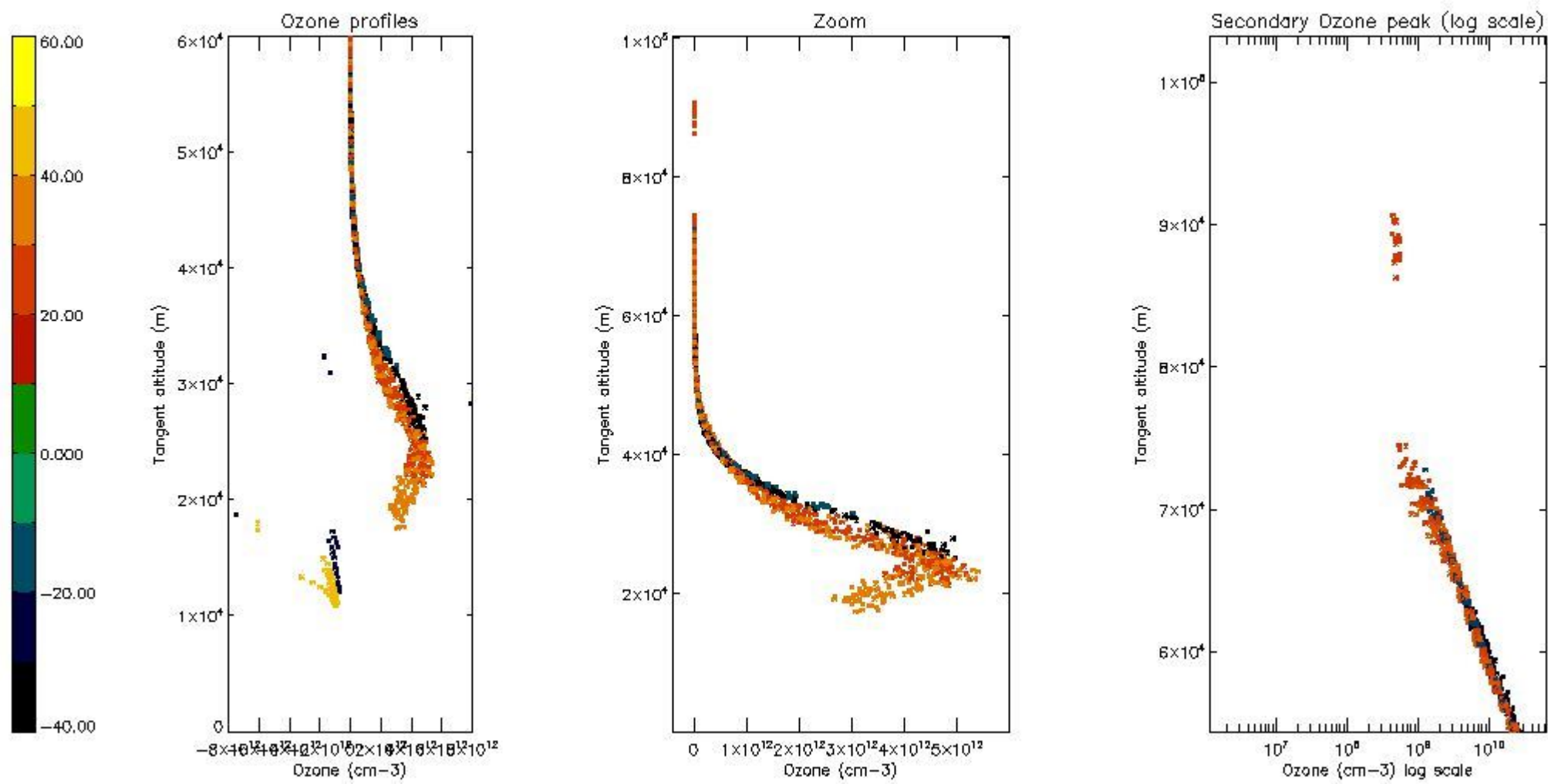
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



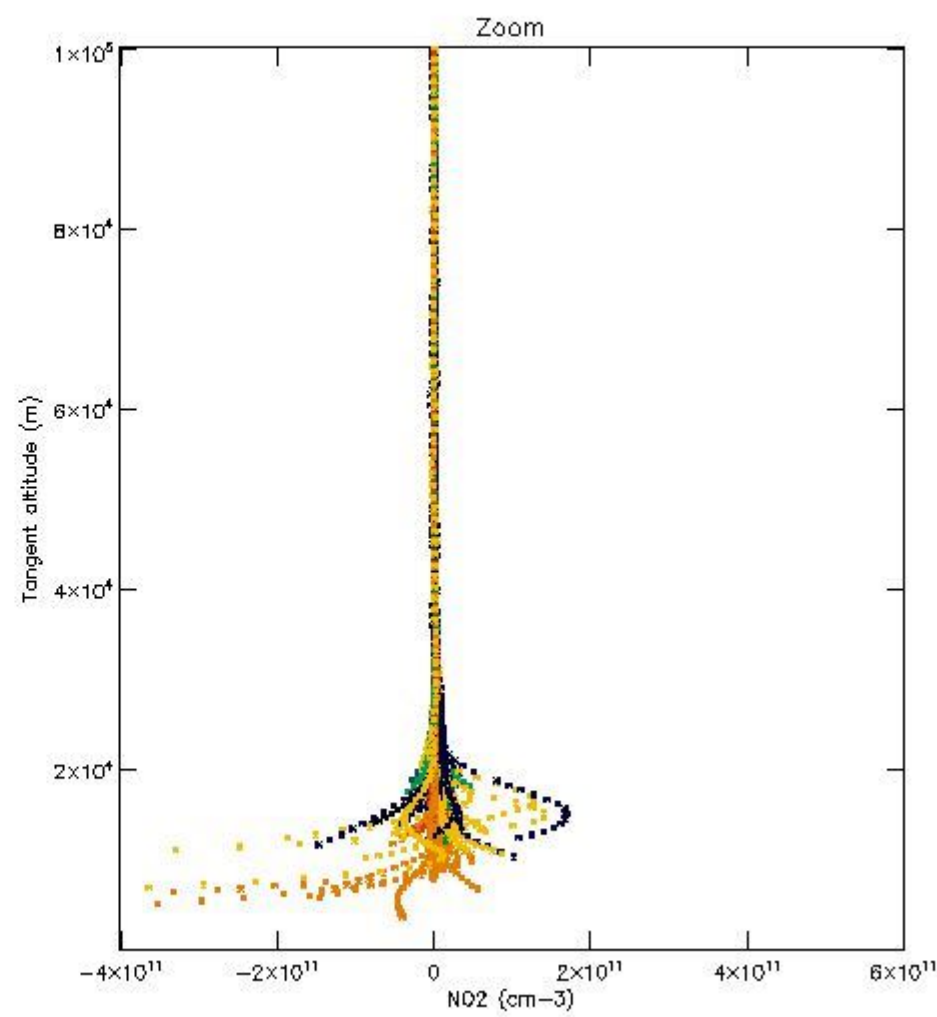
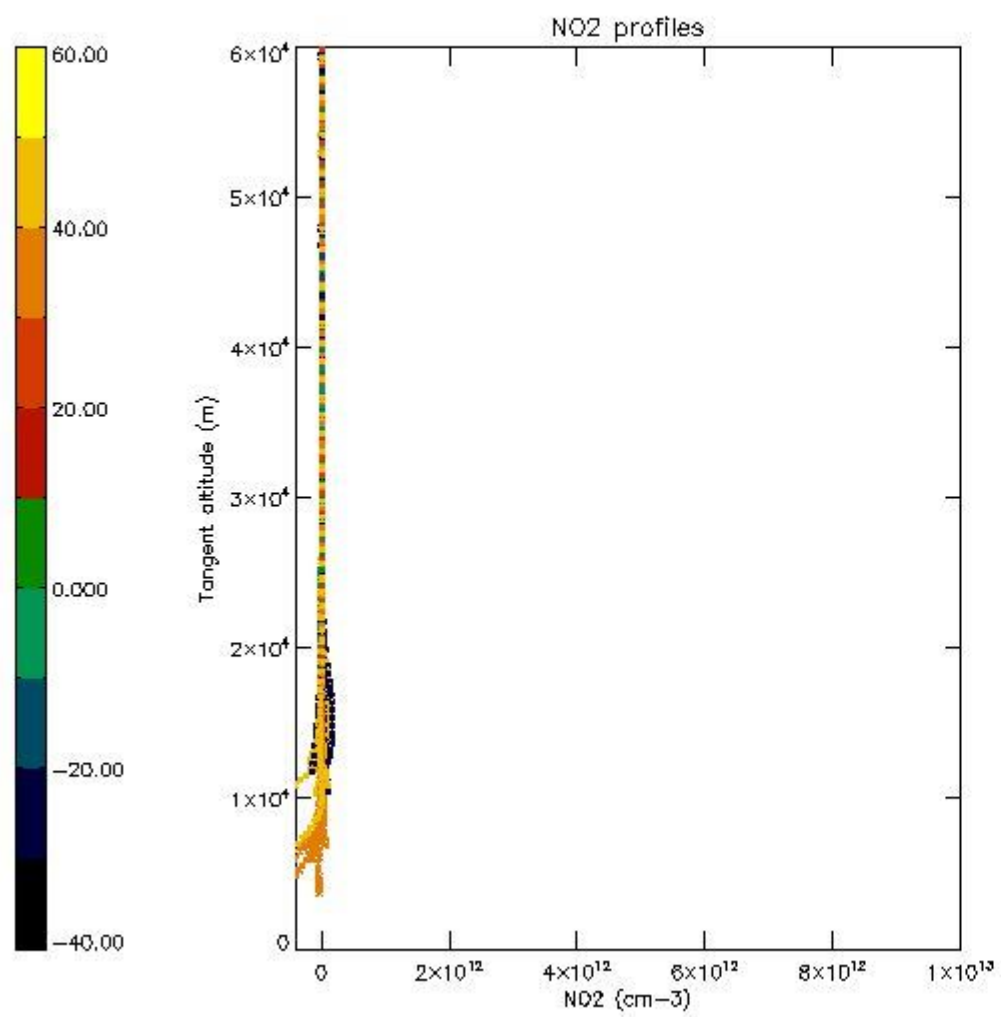
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



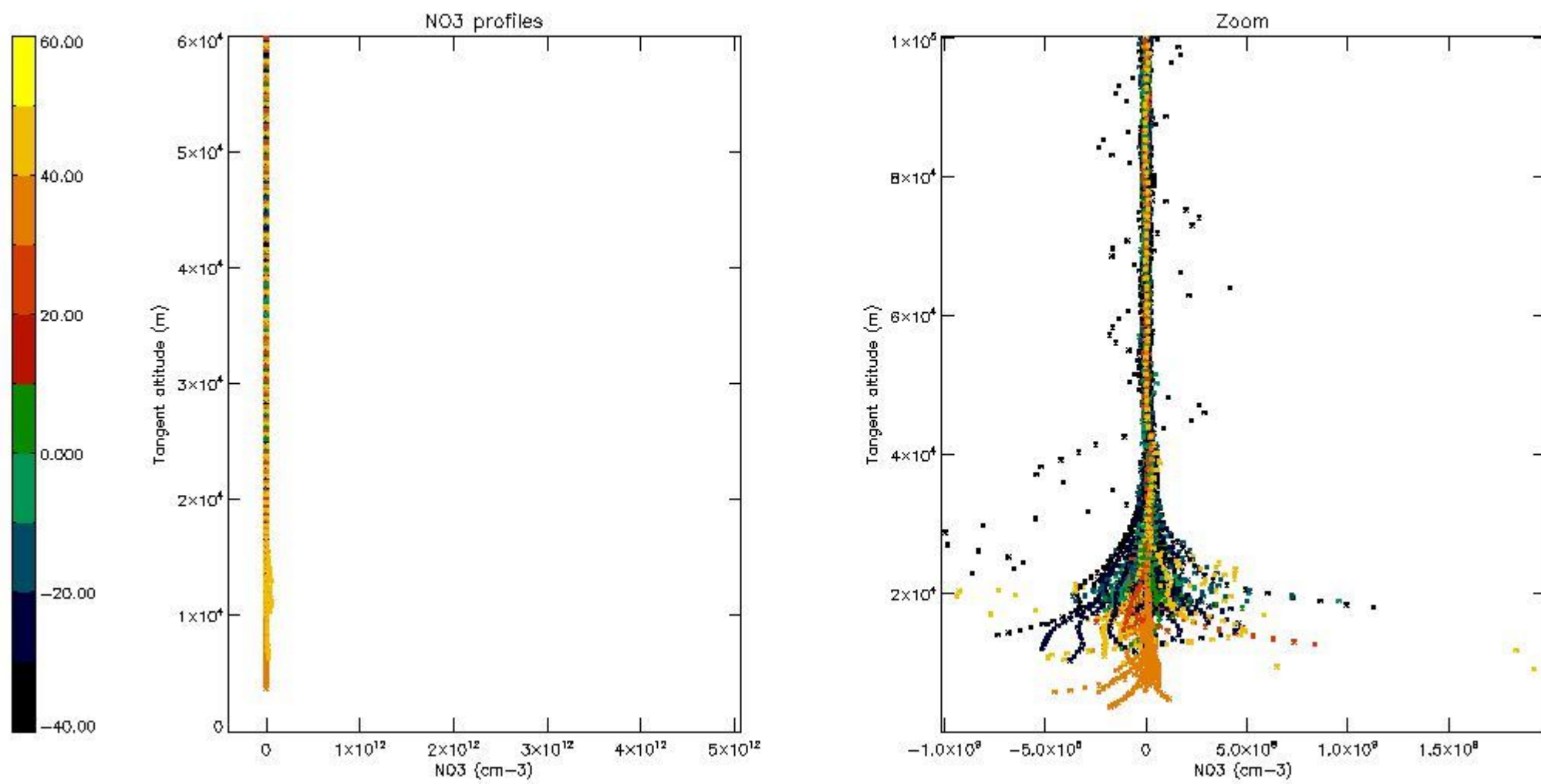
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



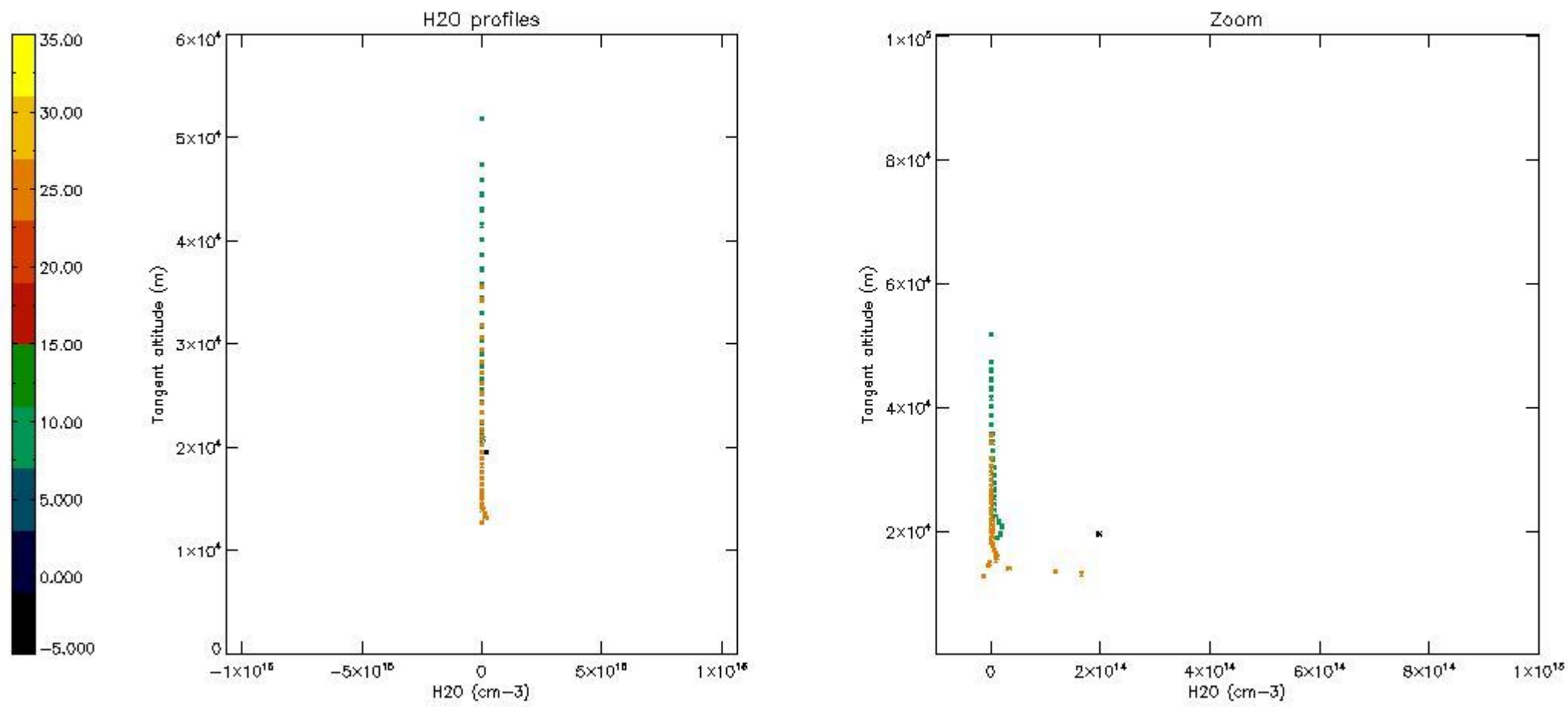
5.7 Plot NO3 profiles for all STD (dark without errors)

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)

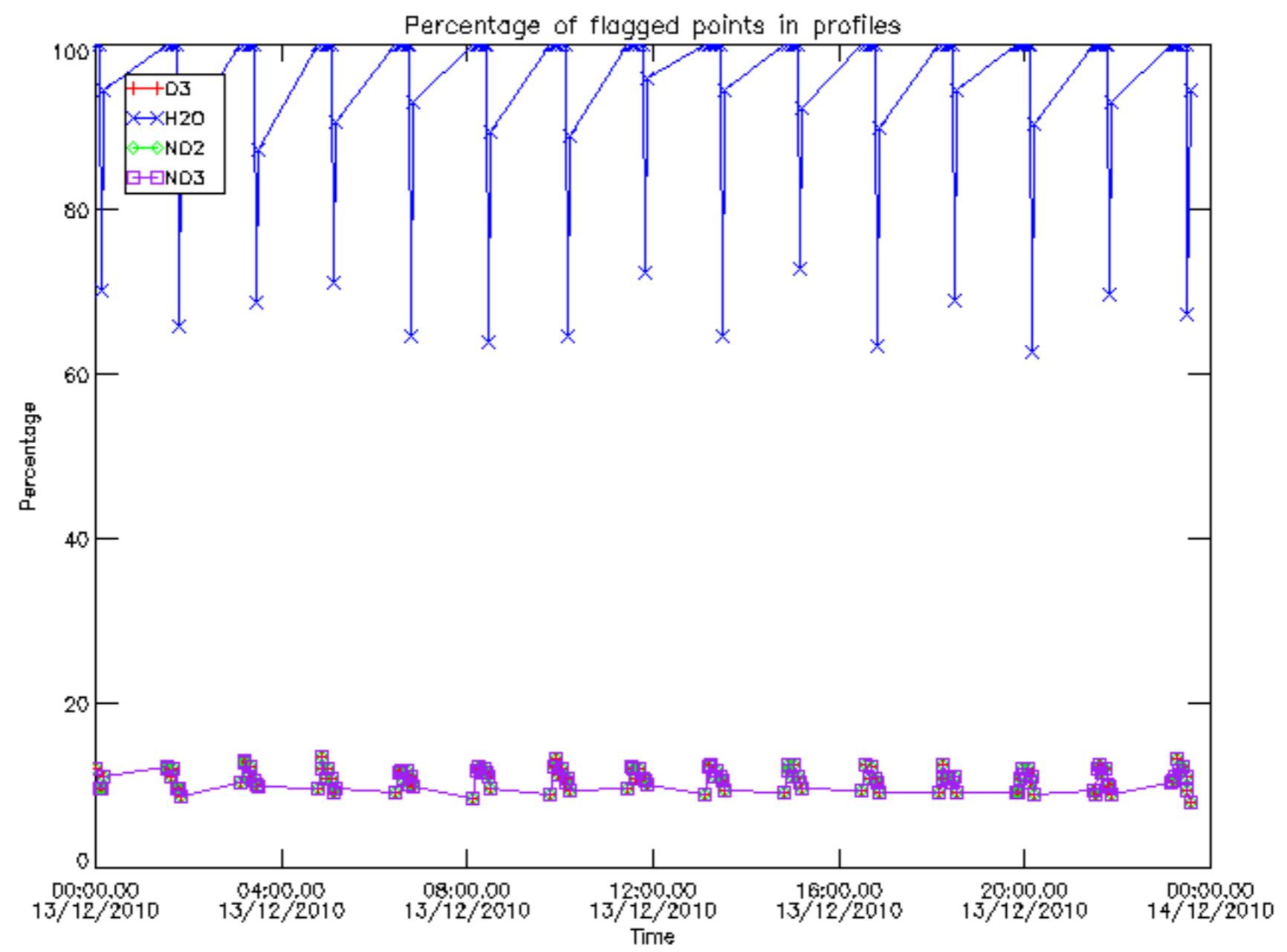
The colorbar represents the latitude.



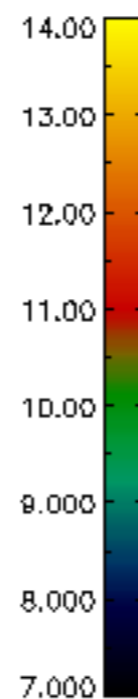
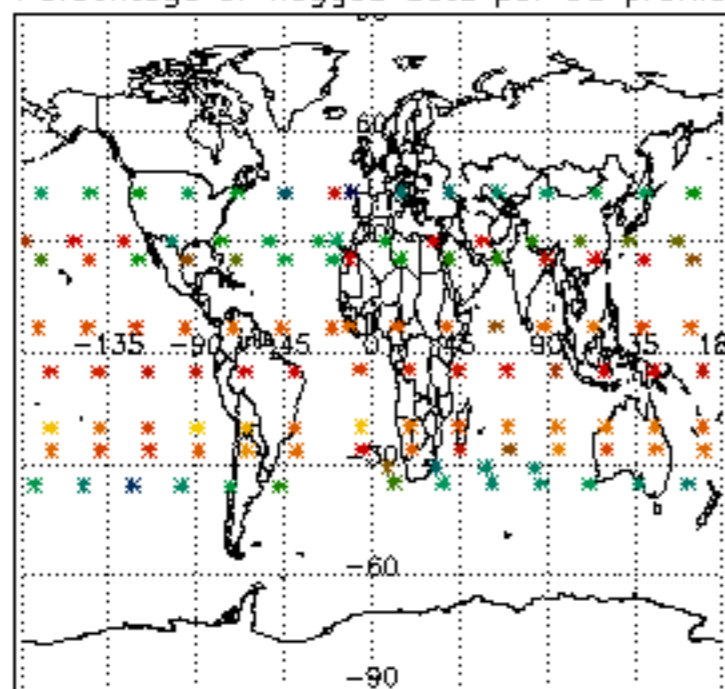
6. Auxiliary Data Files used for the production reported in section 2

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.

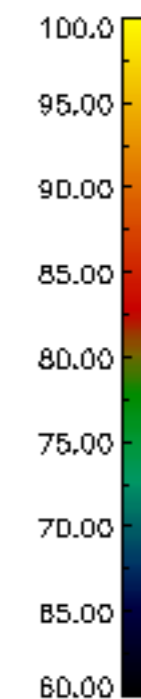
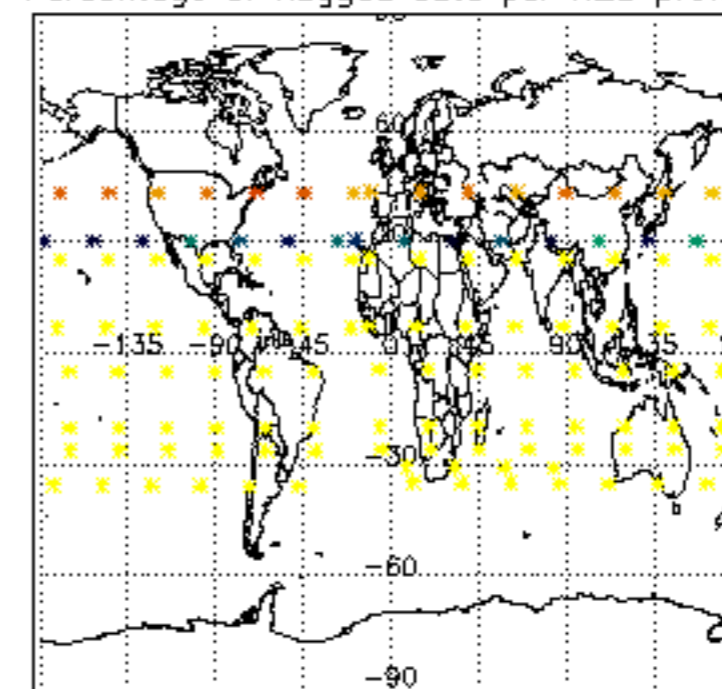
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	13-DEC-2010 00:00:12
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	13-DEC-2010 00:00:12
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	13-DEC-2010 00:00:12



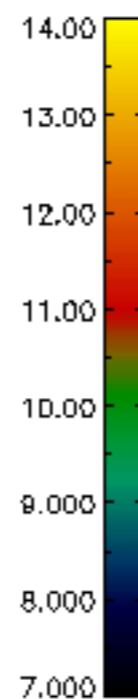
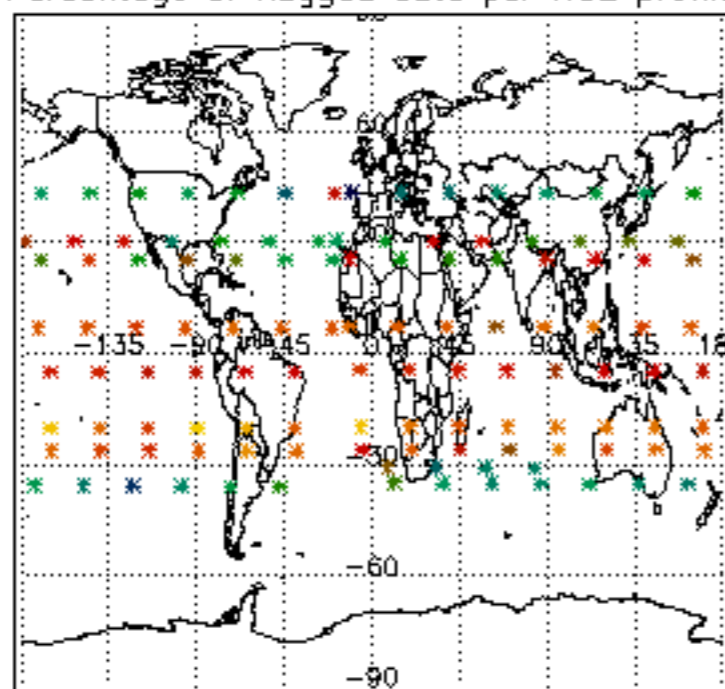
Percentage of flagged data per D3 profile



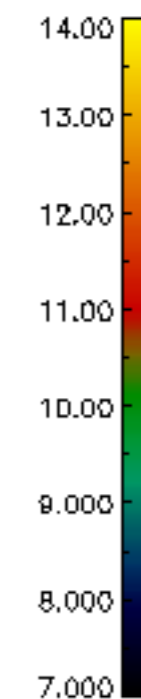
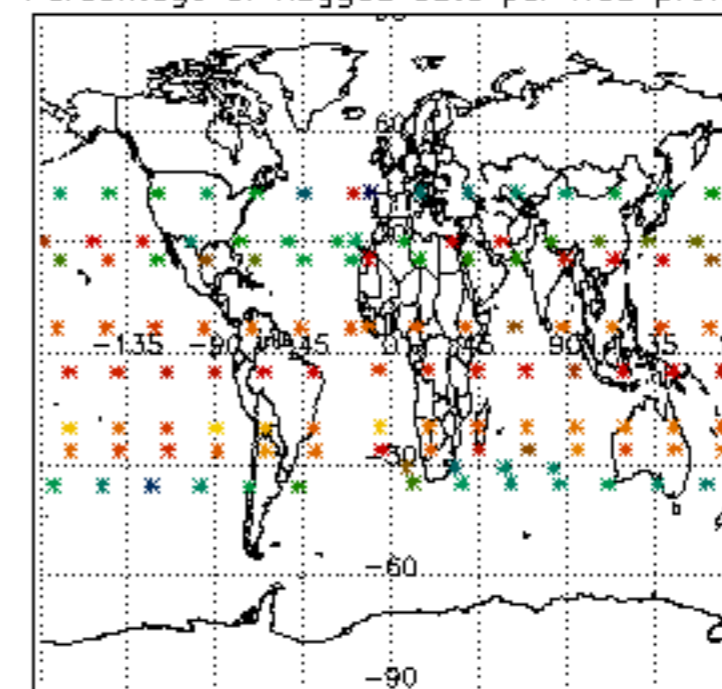
Percentage of flagged data per H2O profile

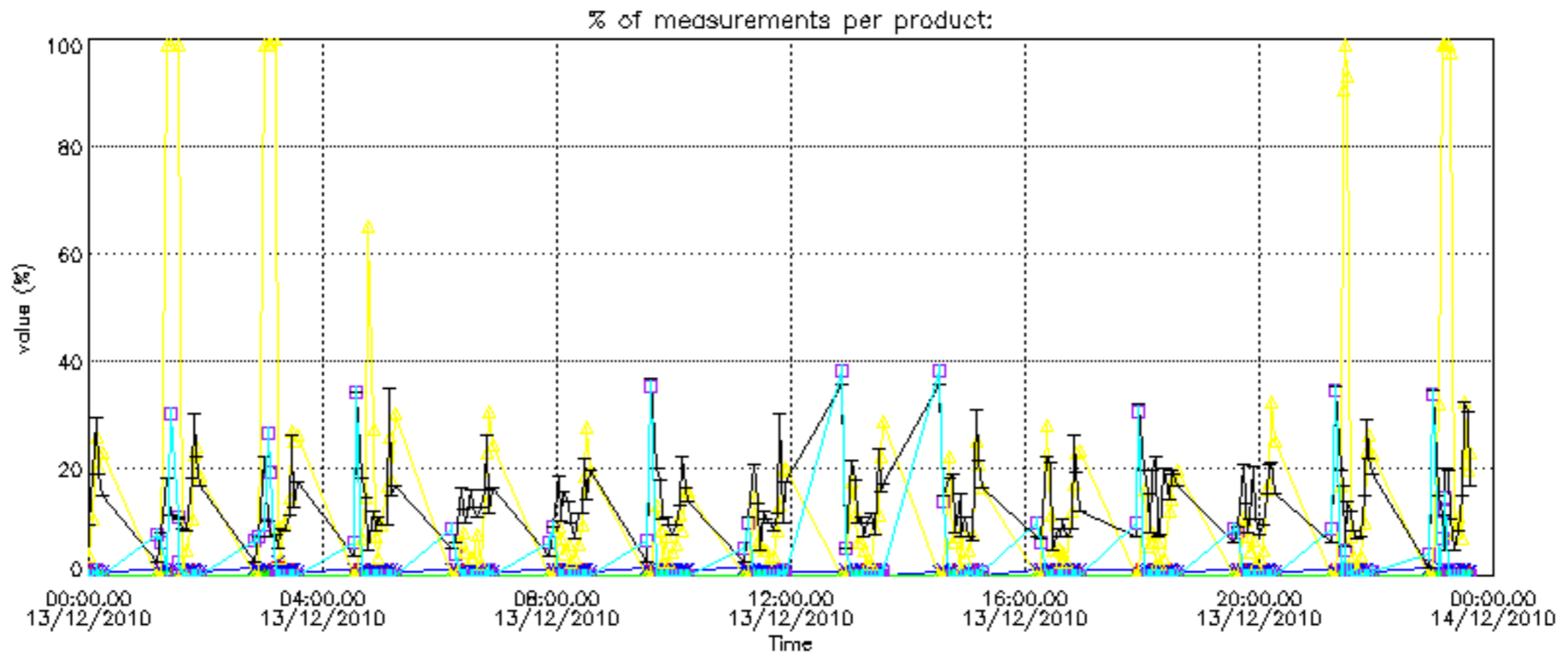


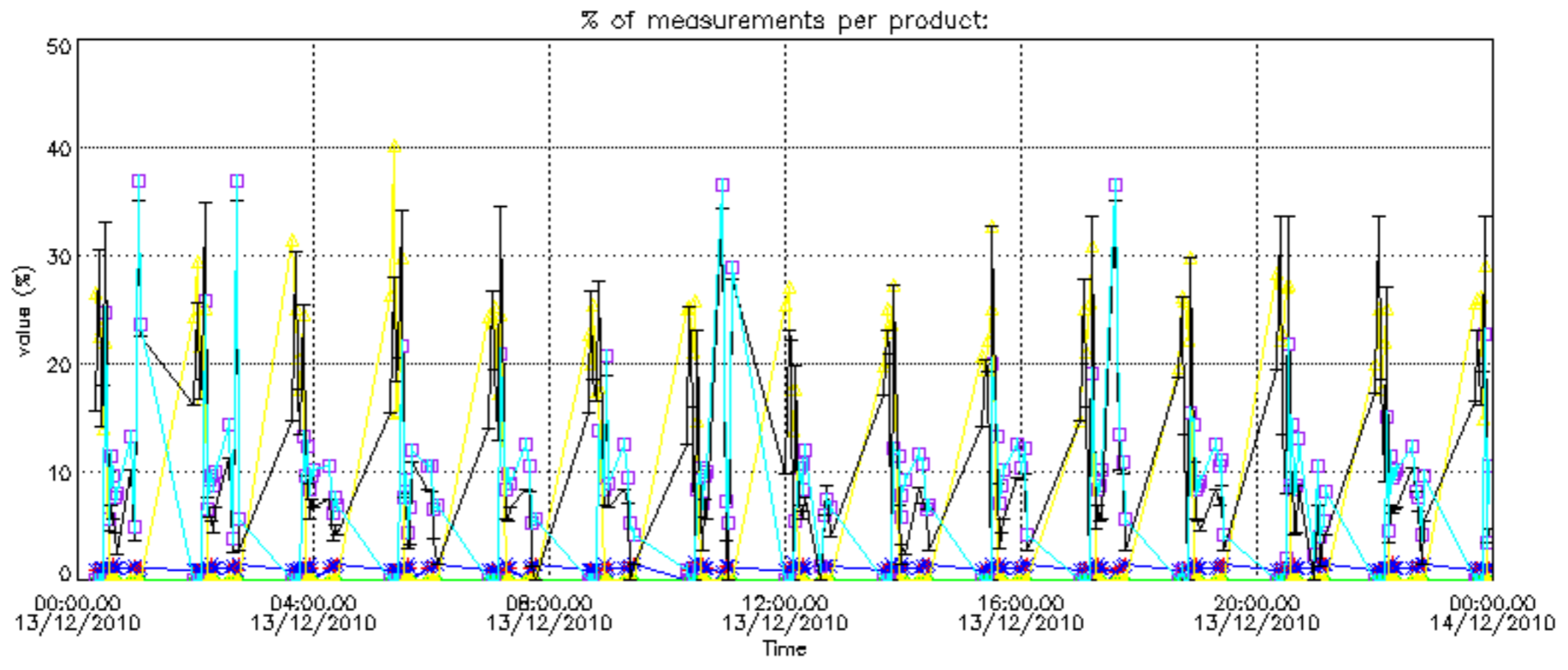
Percentage of flagged data per NO2 profile



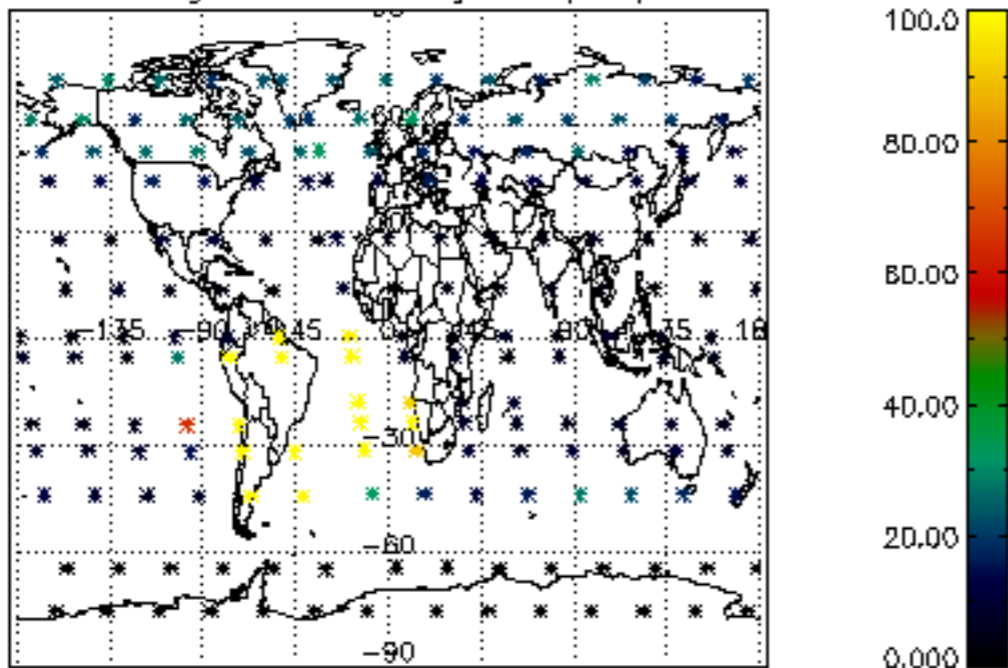
Percentage of flagged data per NO3 profile



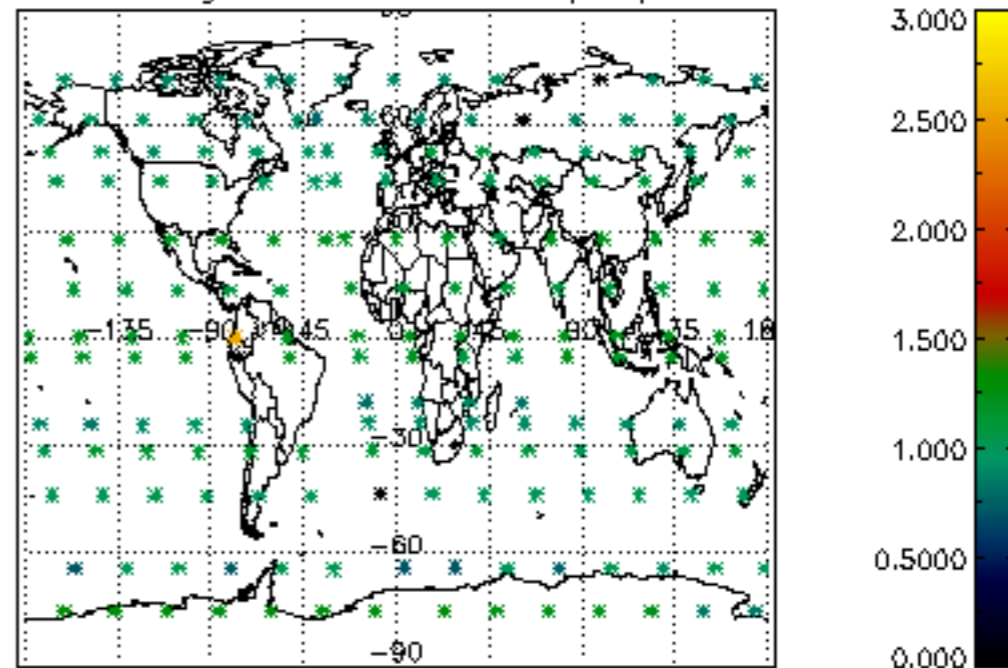




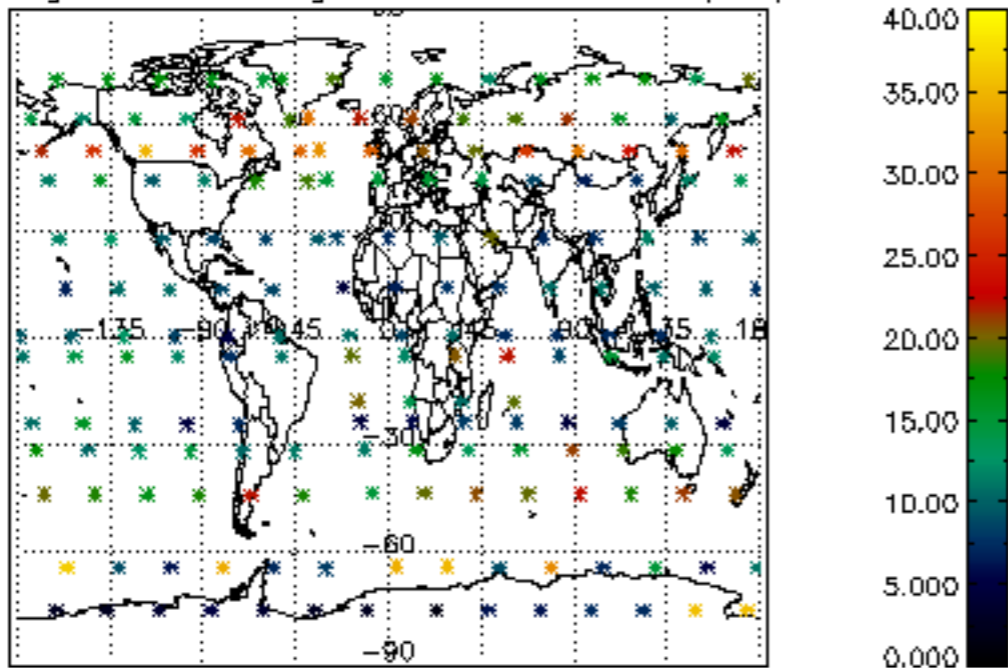
Percentage of cosmic ray hits per profile



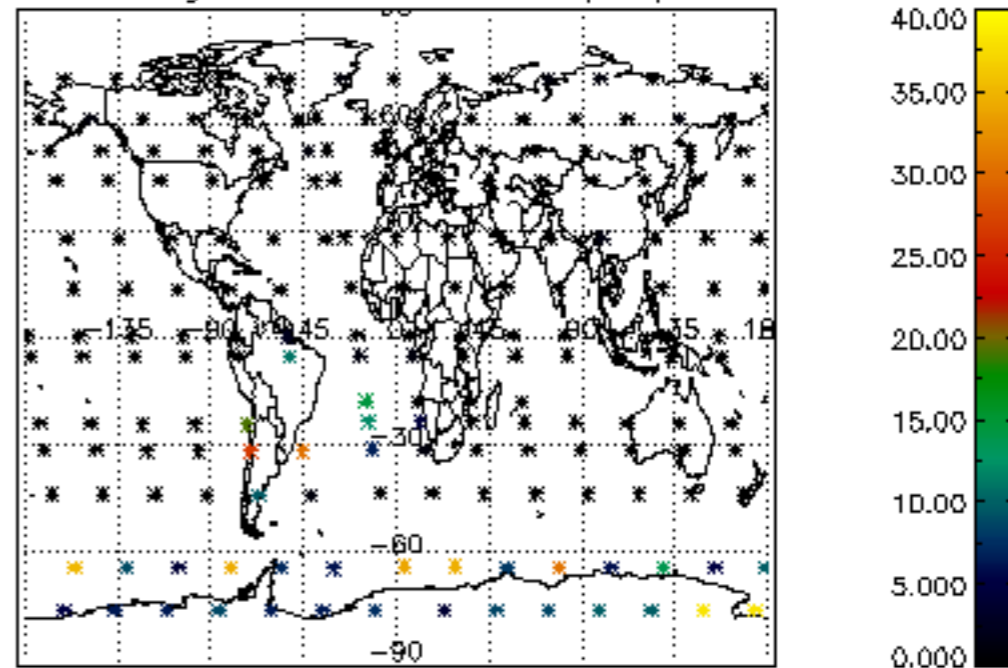
Percentage of datation errors per profile



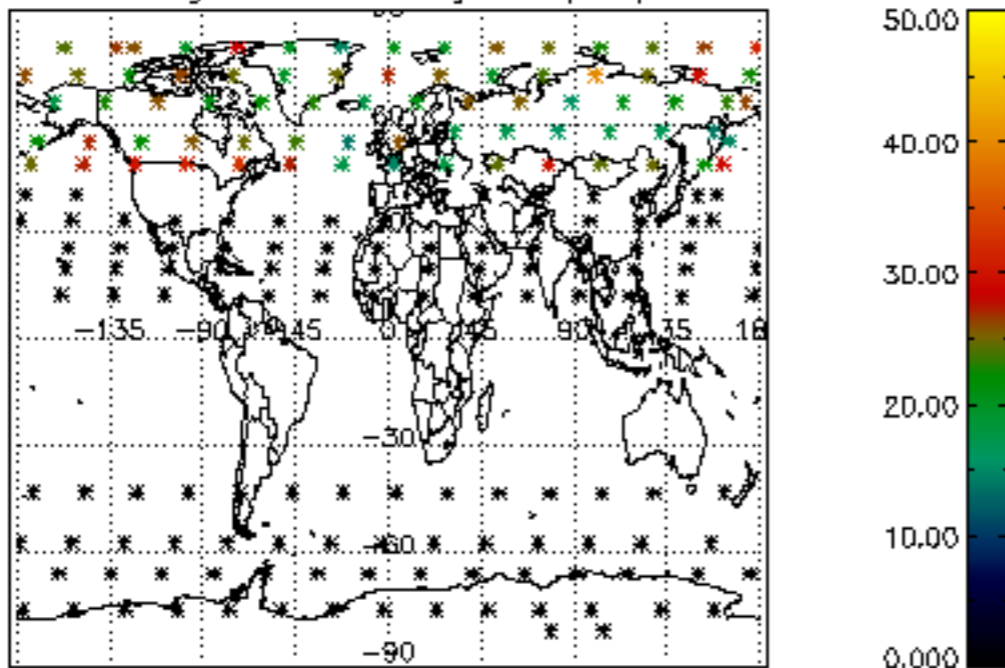
Percentage of star falling outside central band per profile



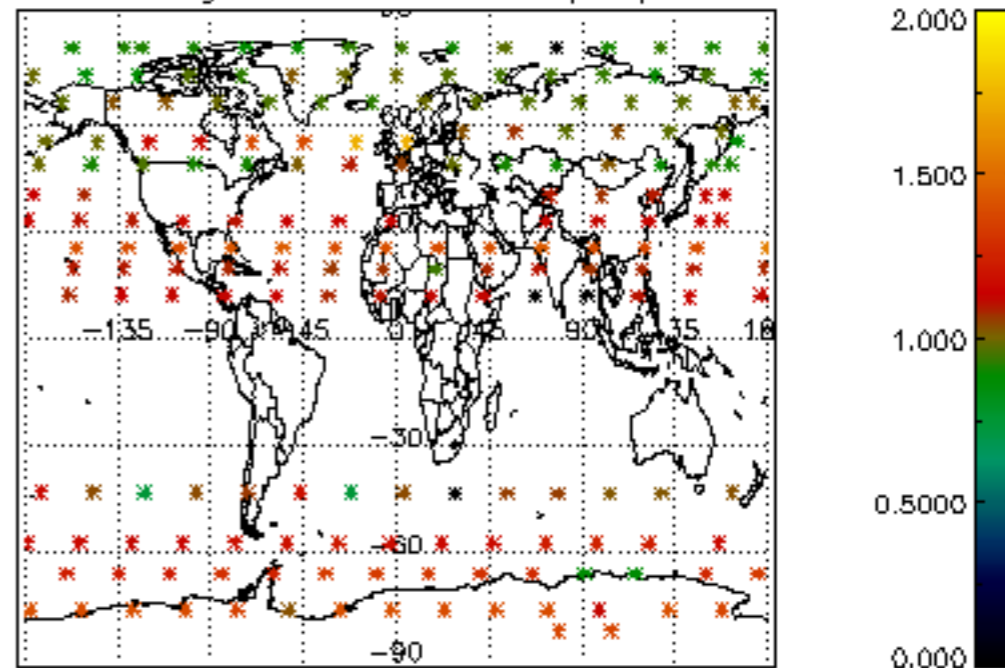
Percentage of saturation errors per profile



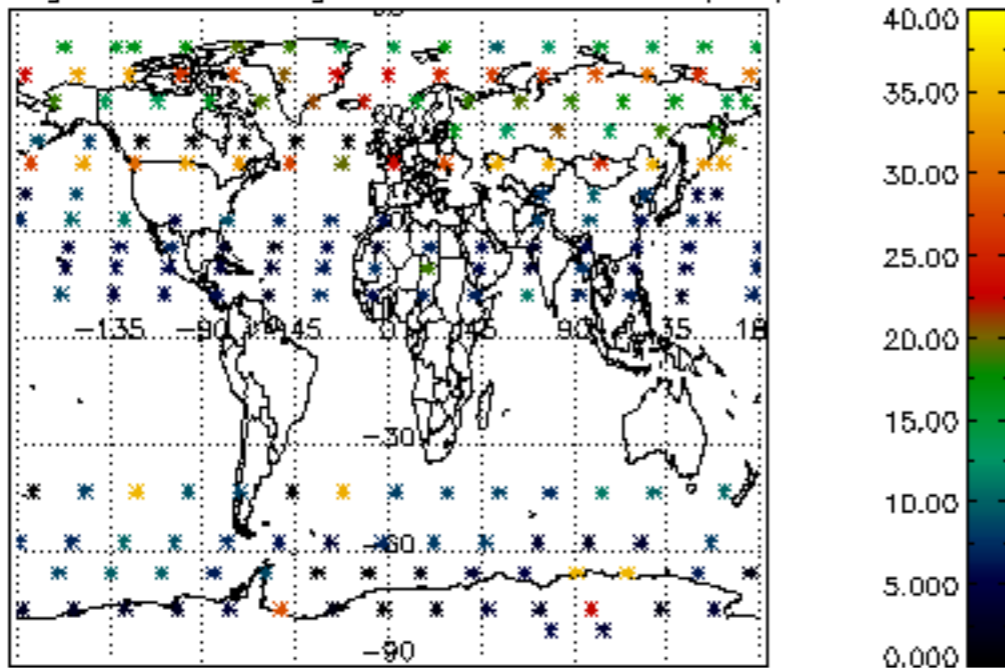
Percentage of cosmic ray hits per profile



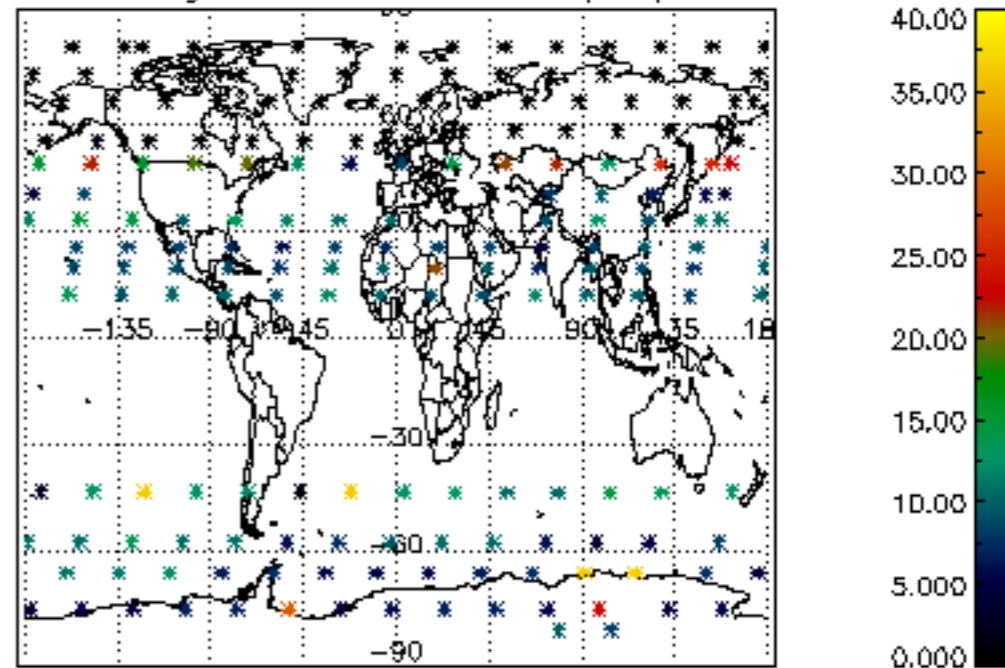
Percentage of datation errors per profile

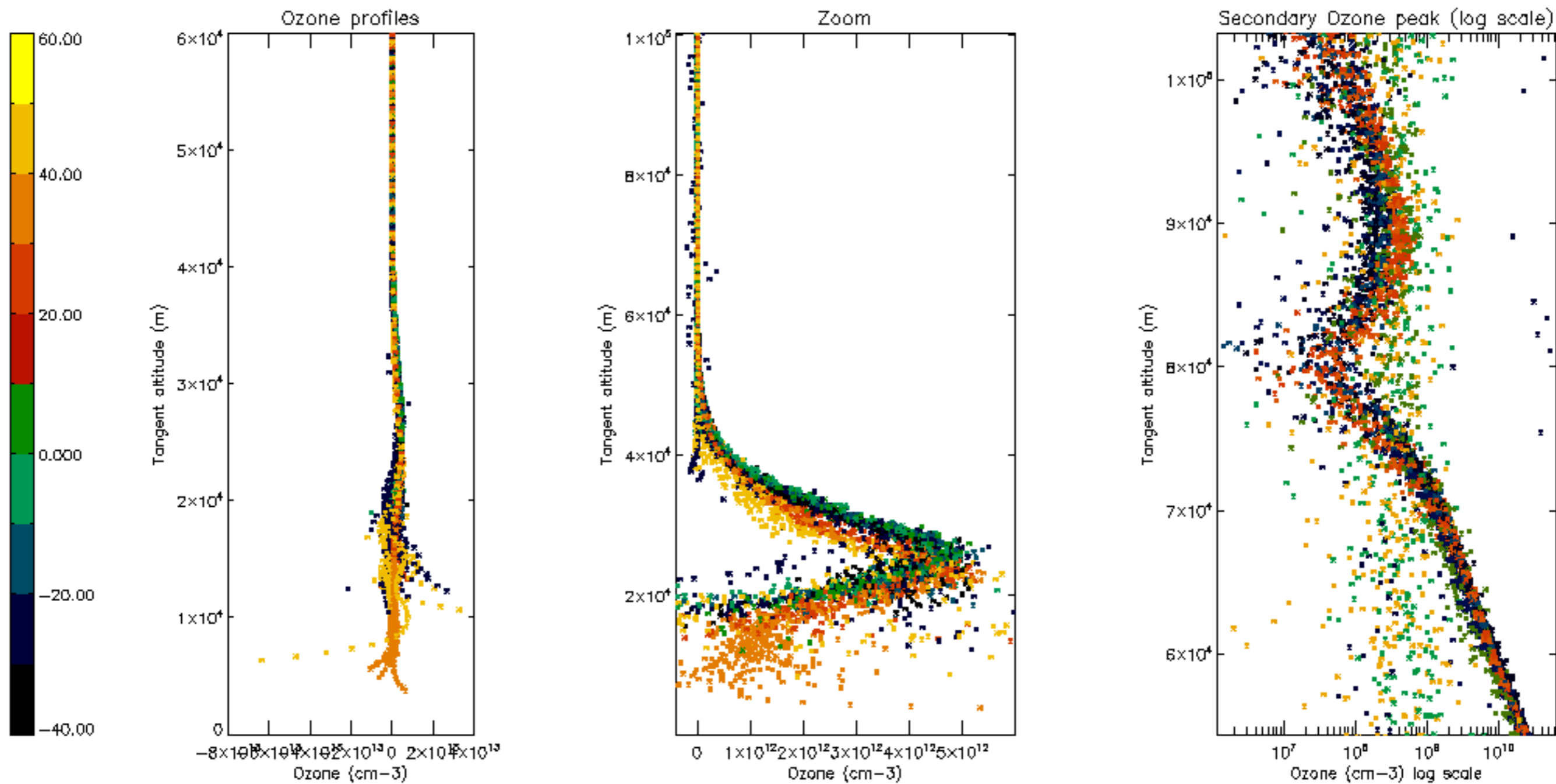


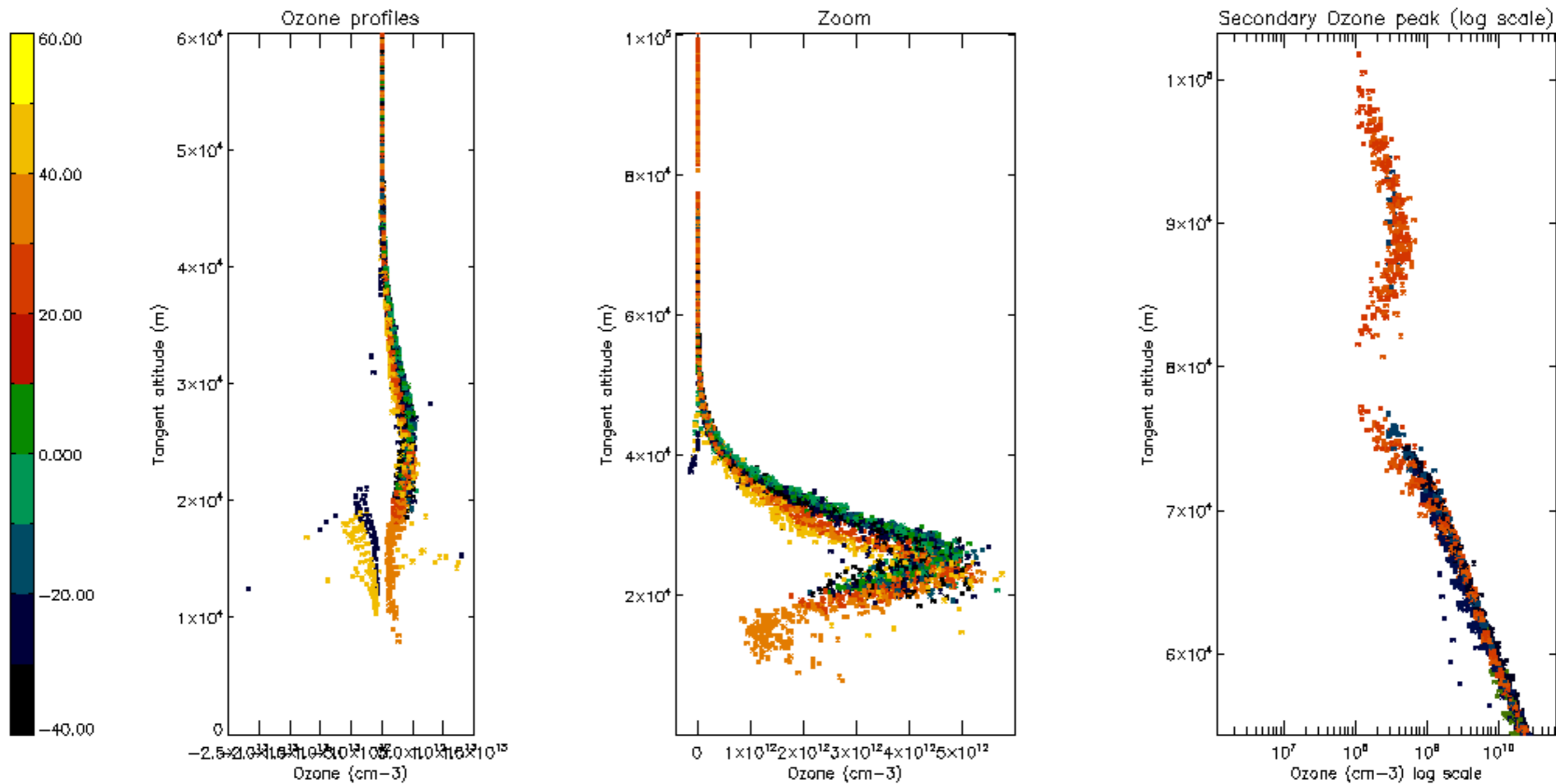
Percentage of star falling outside central band per profile

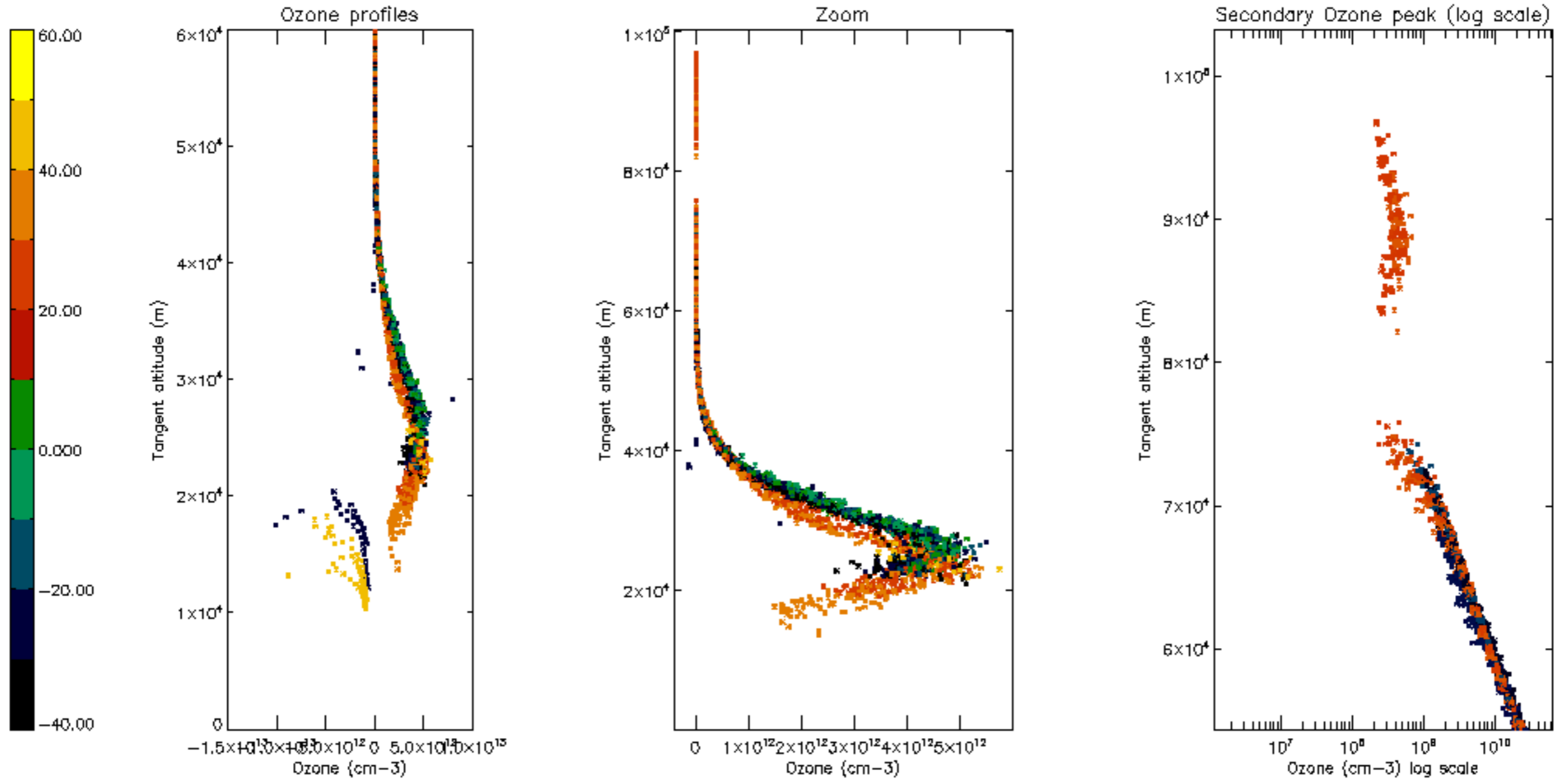


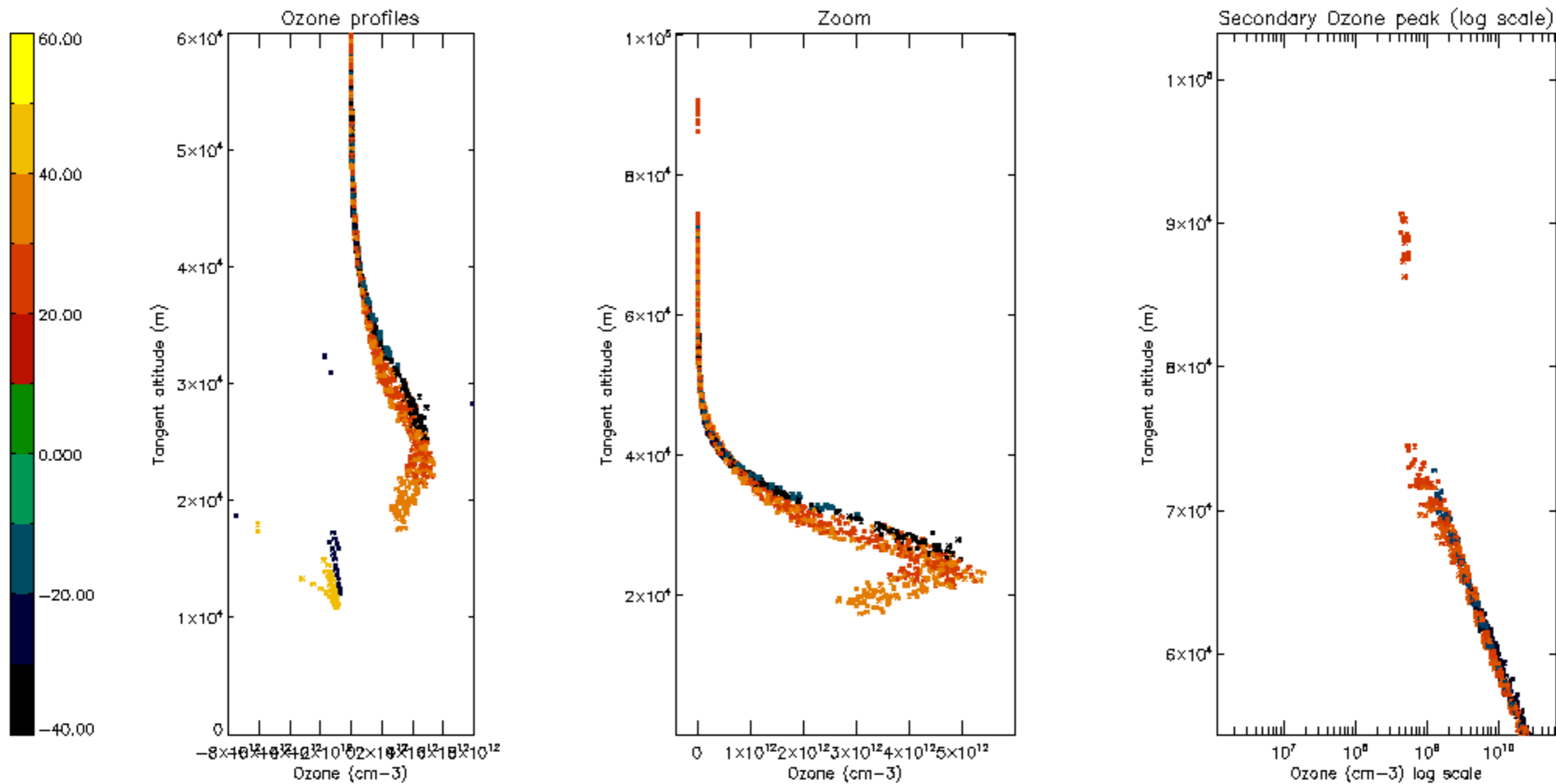
Percentage of saturation errors per profile

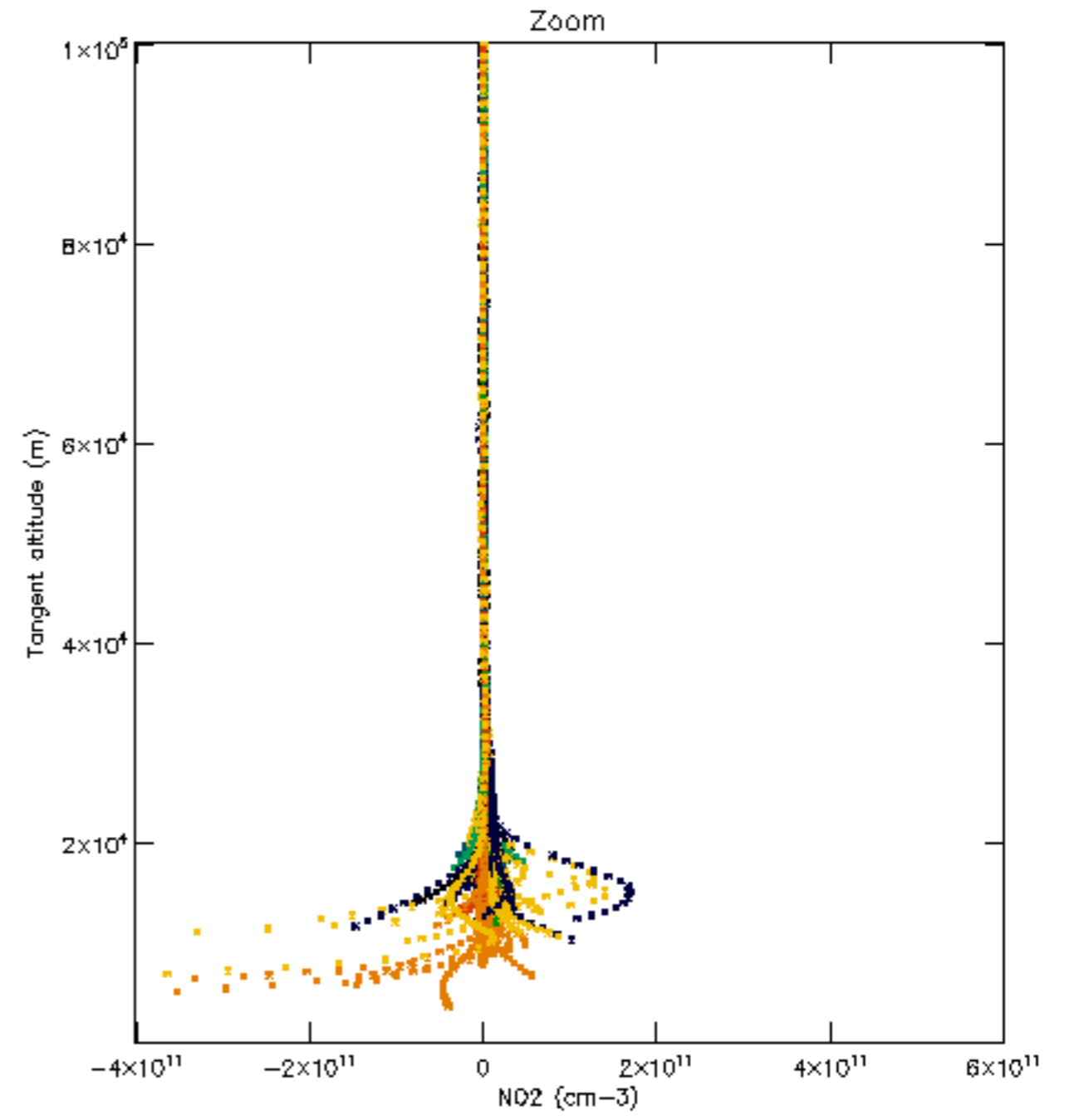
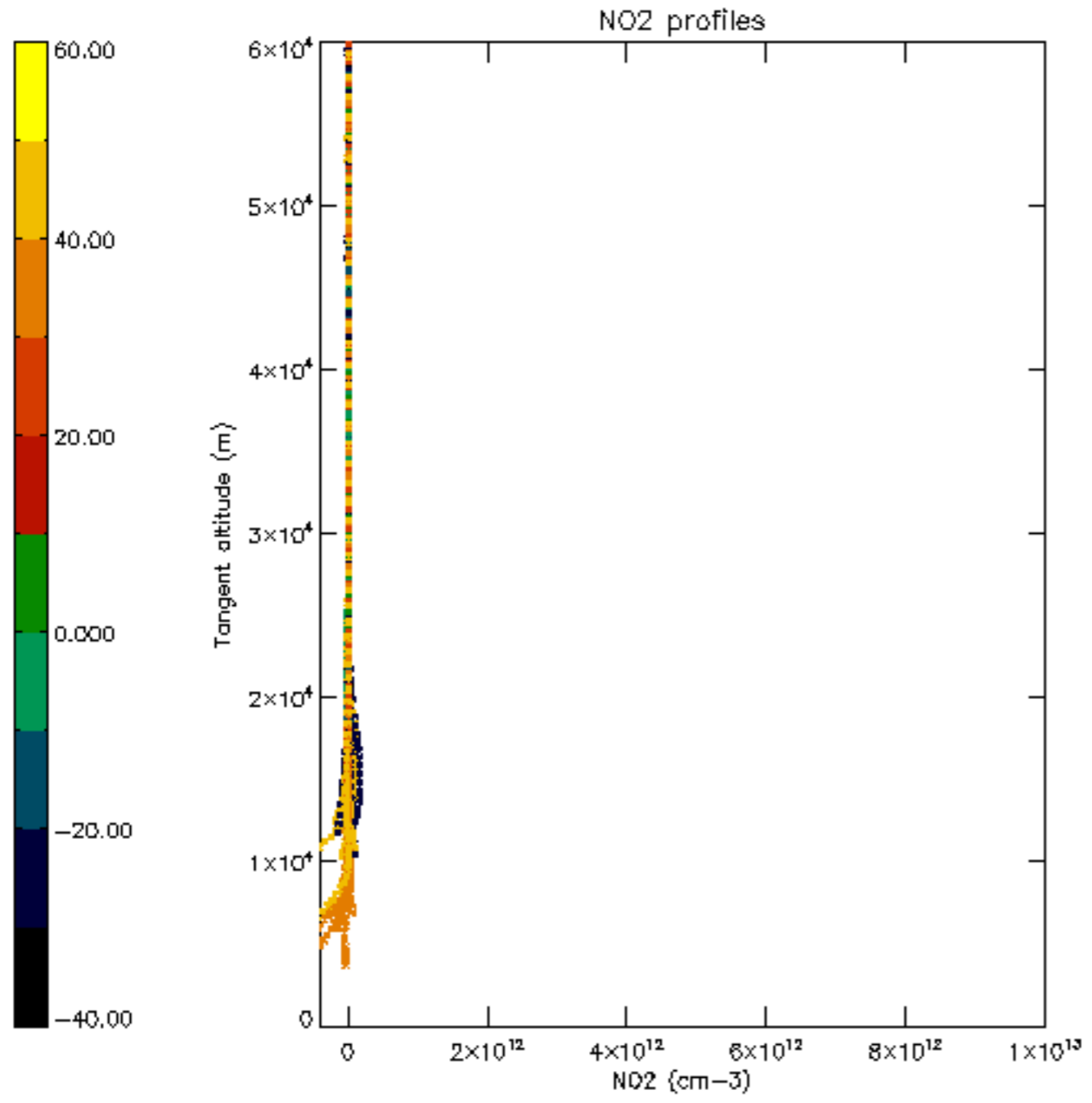


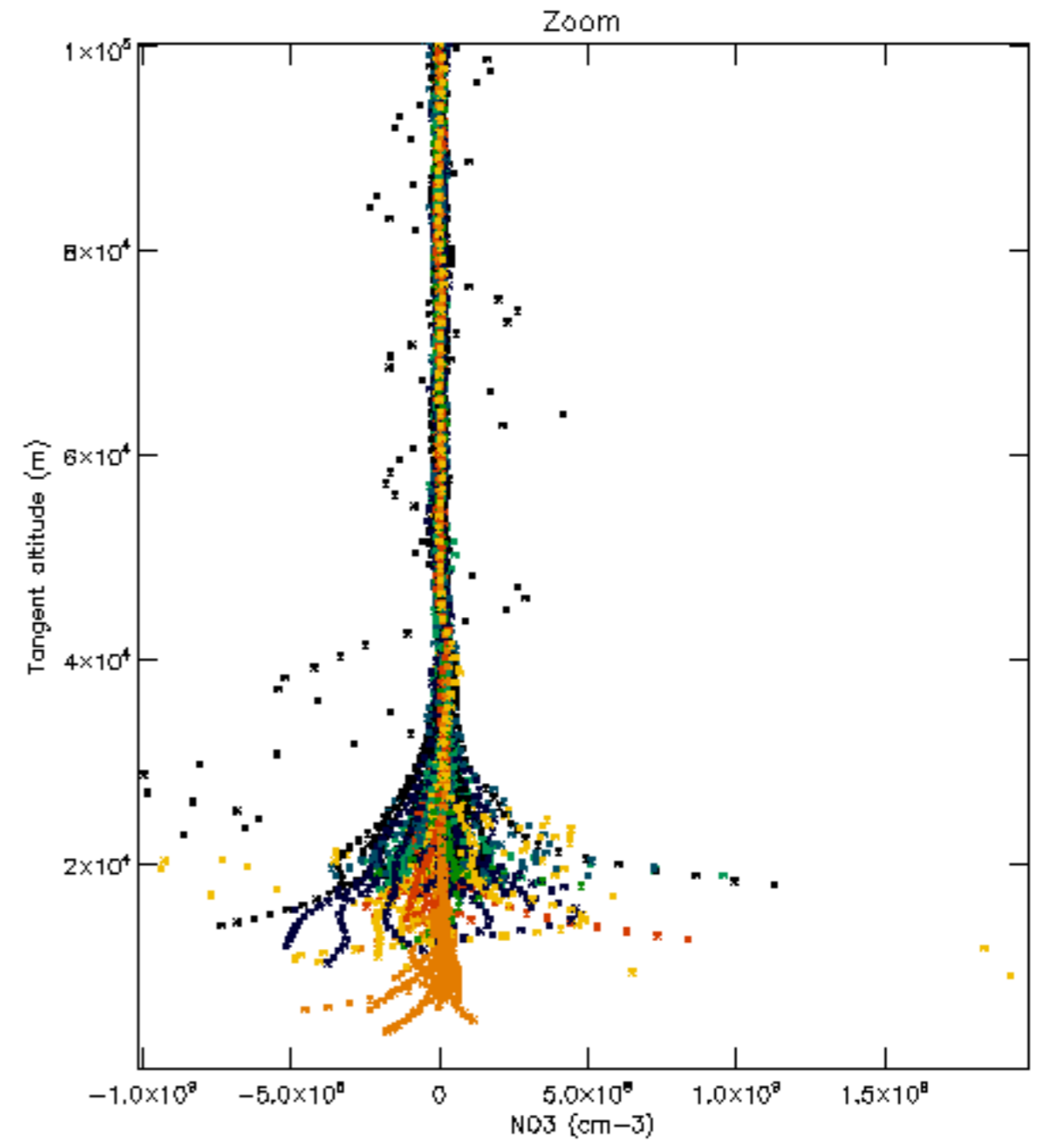
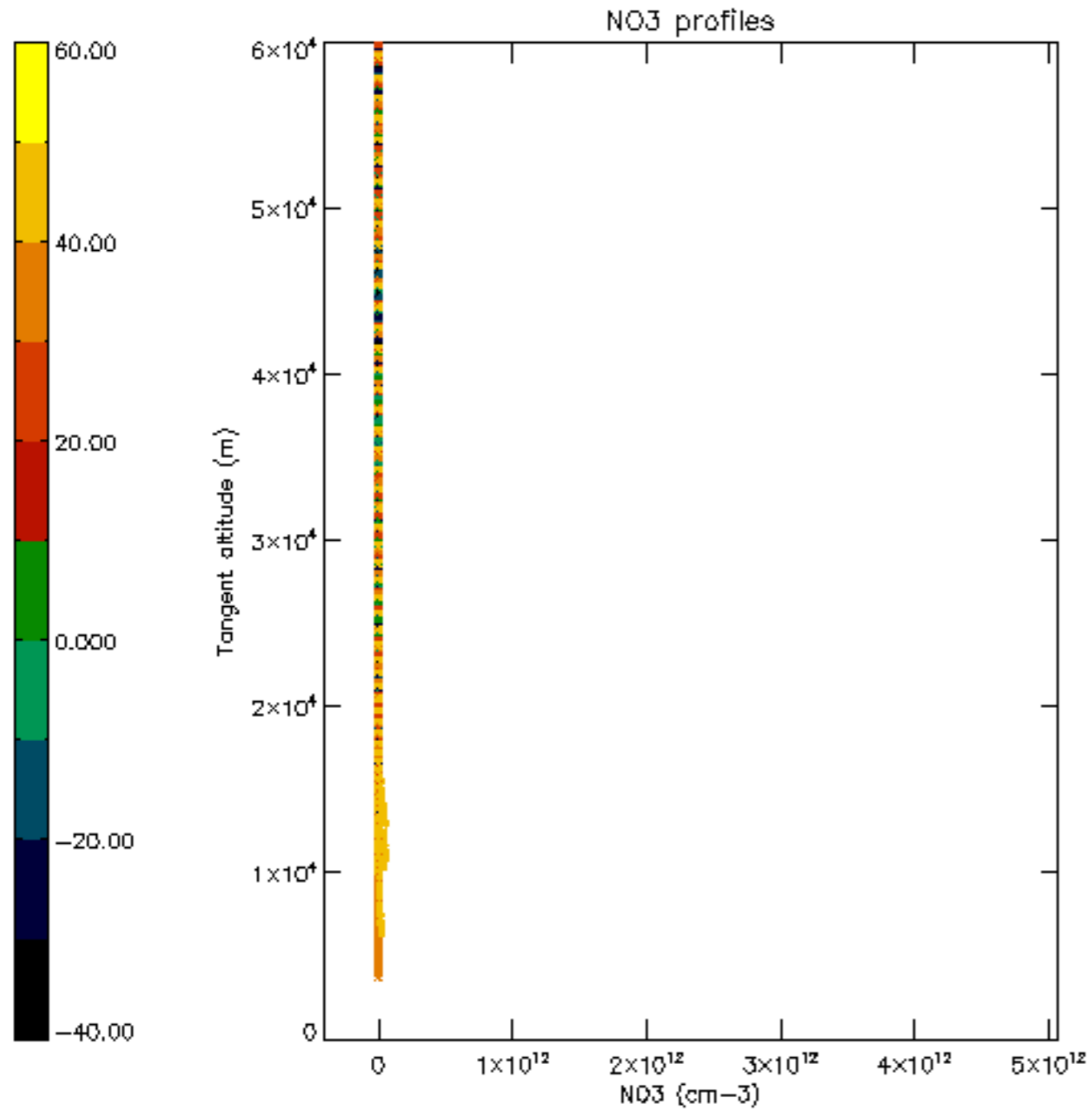


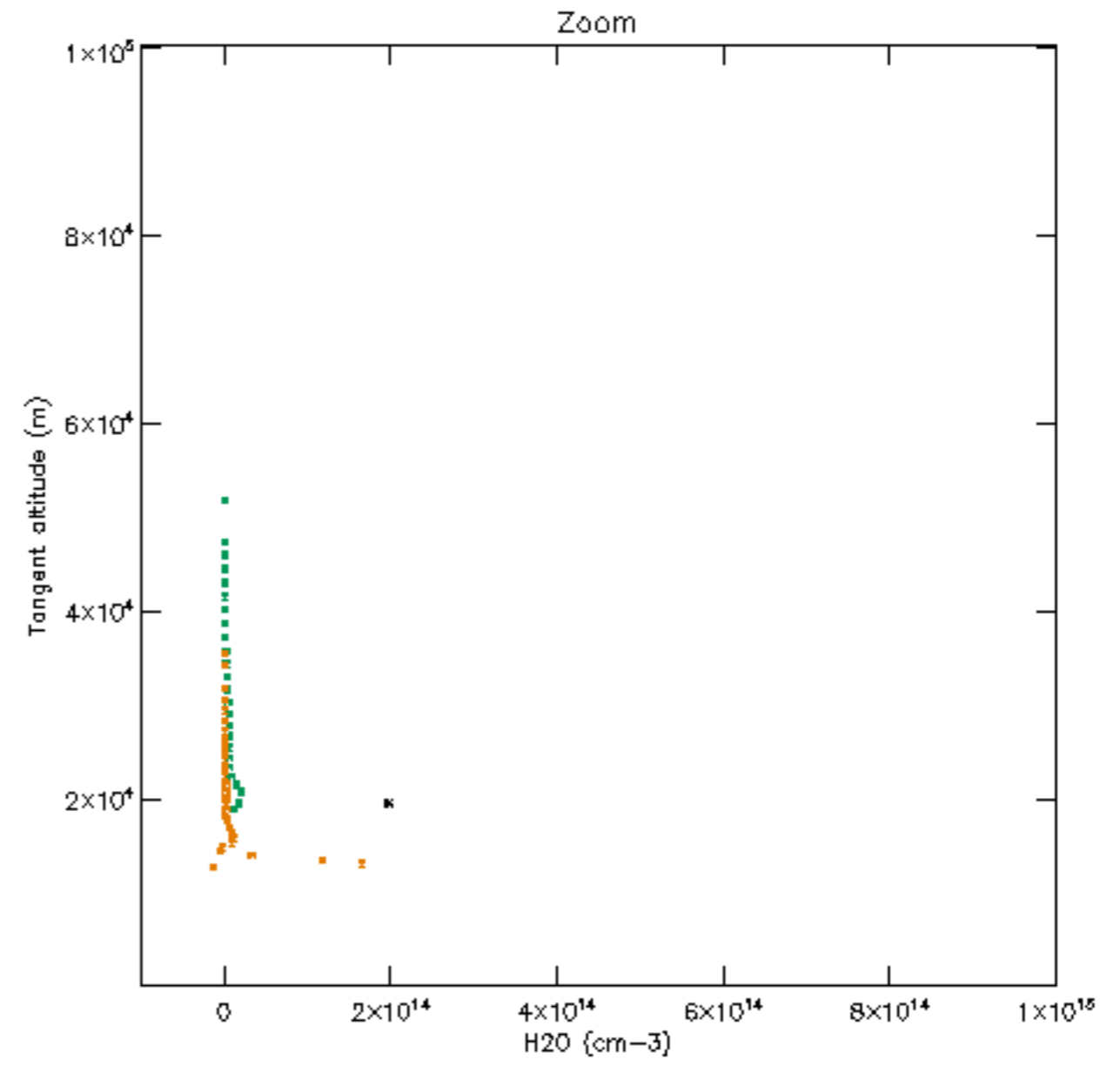
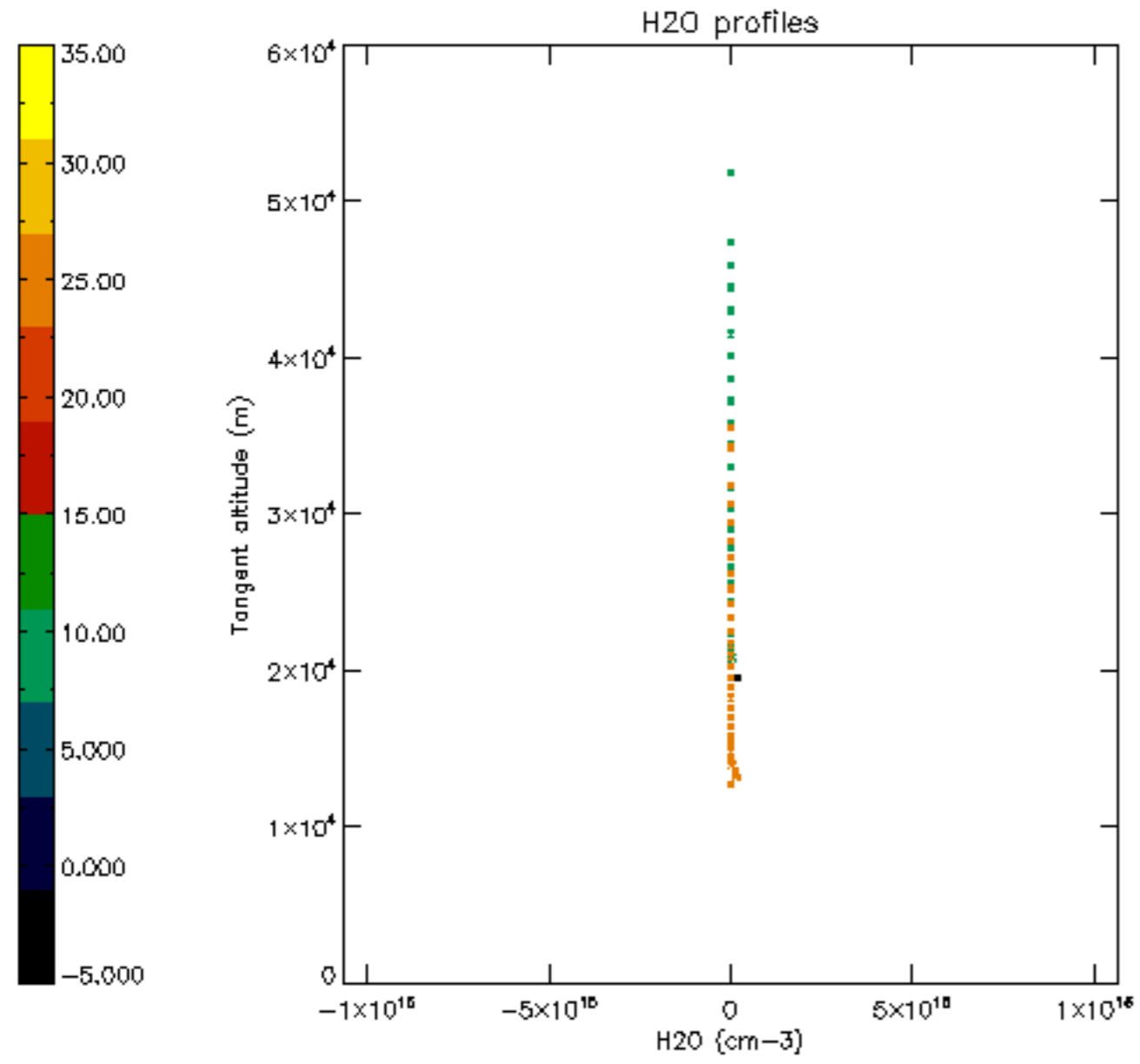


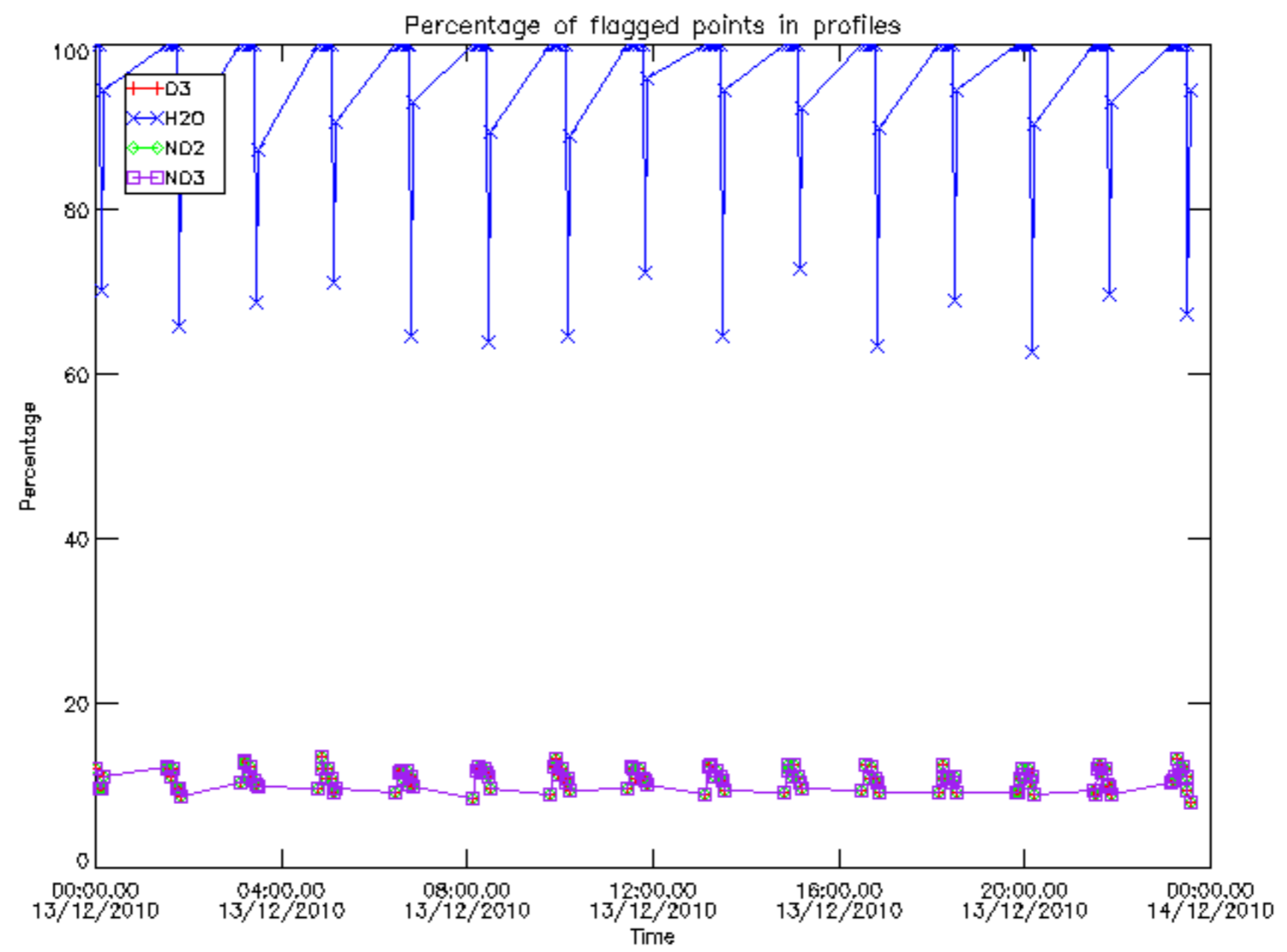




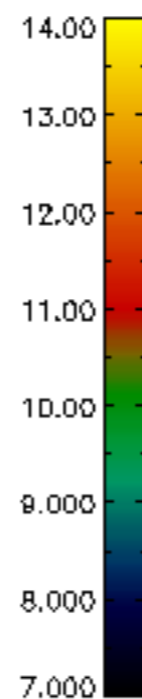
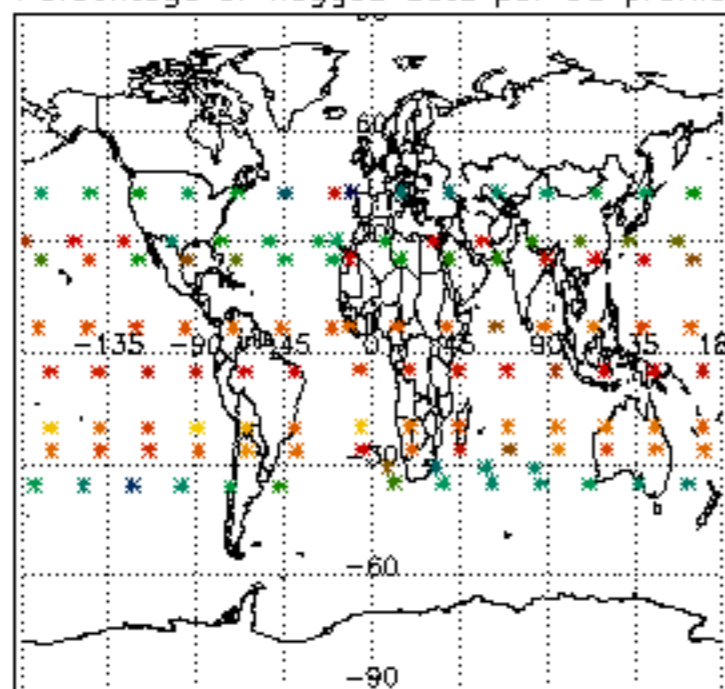




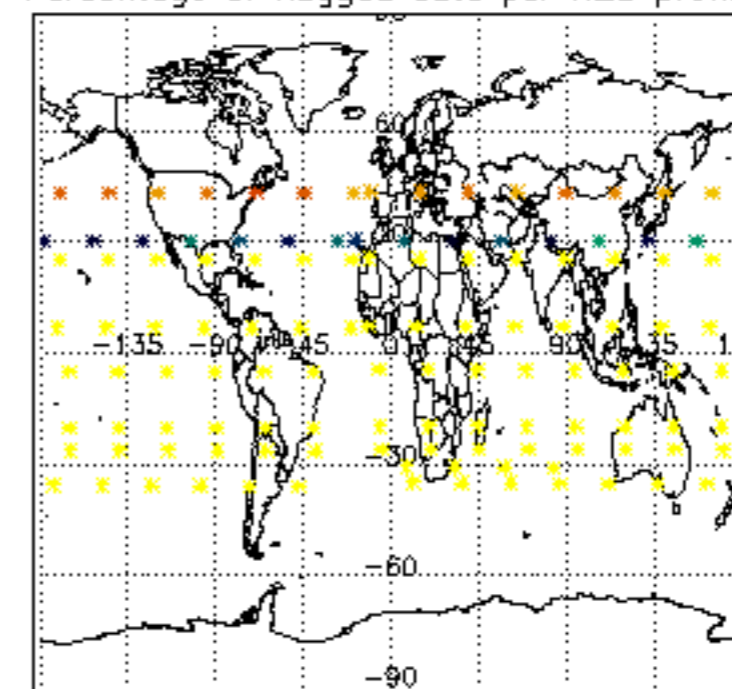




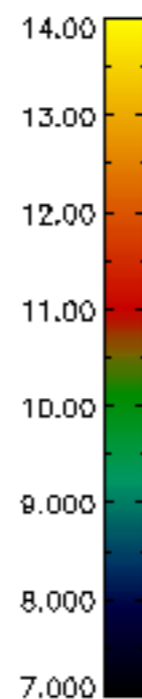
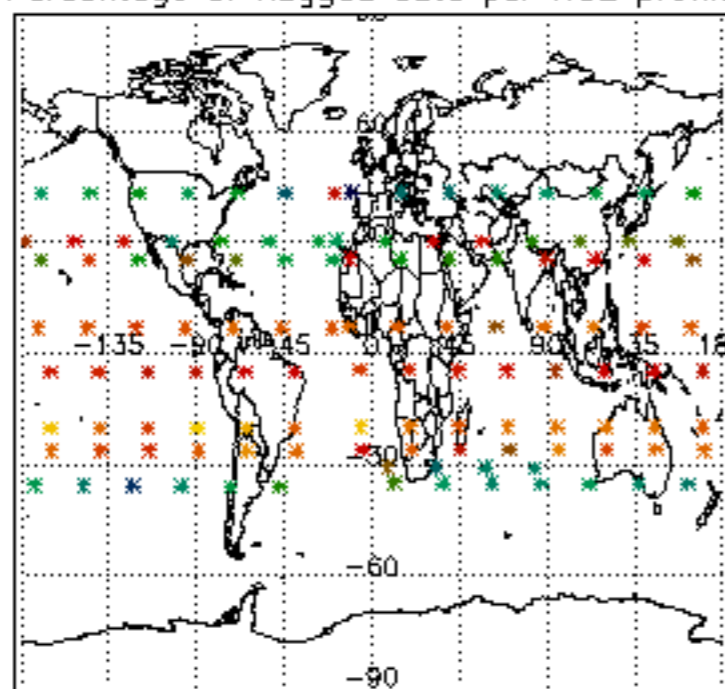
Percentage of flagged data per D3 profile



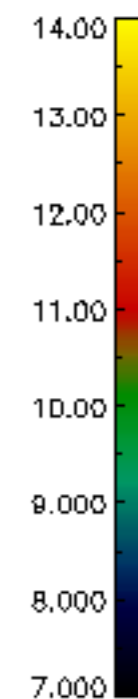
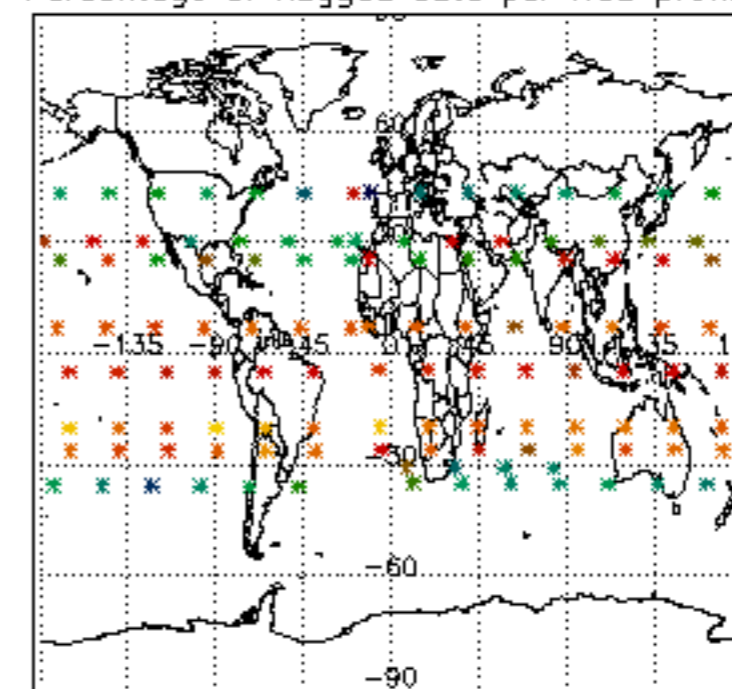
Percentage of flagged data per H2O profile

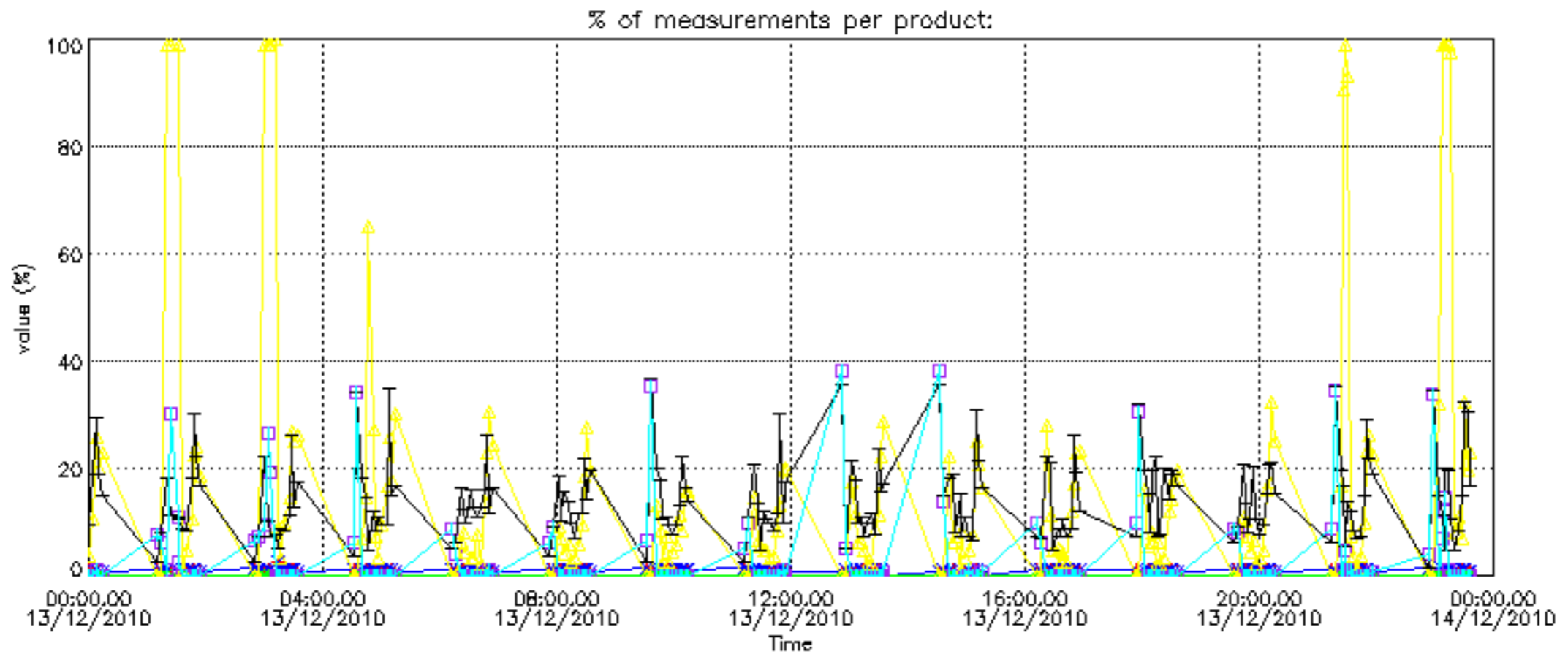


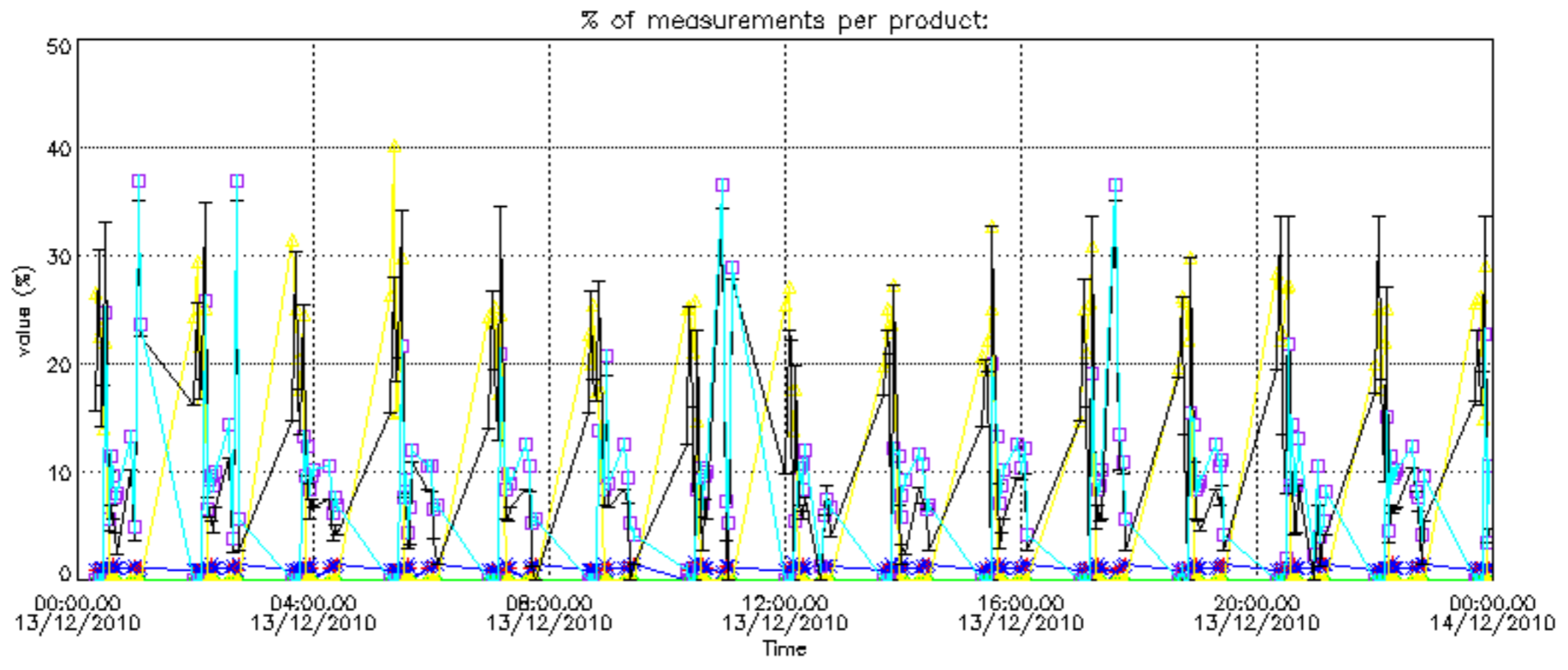
Percentage of flagged data per NO2 profile



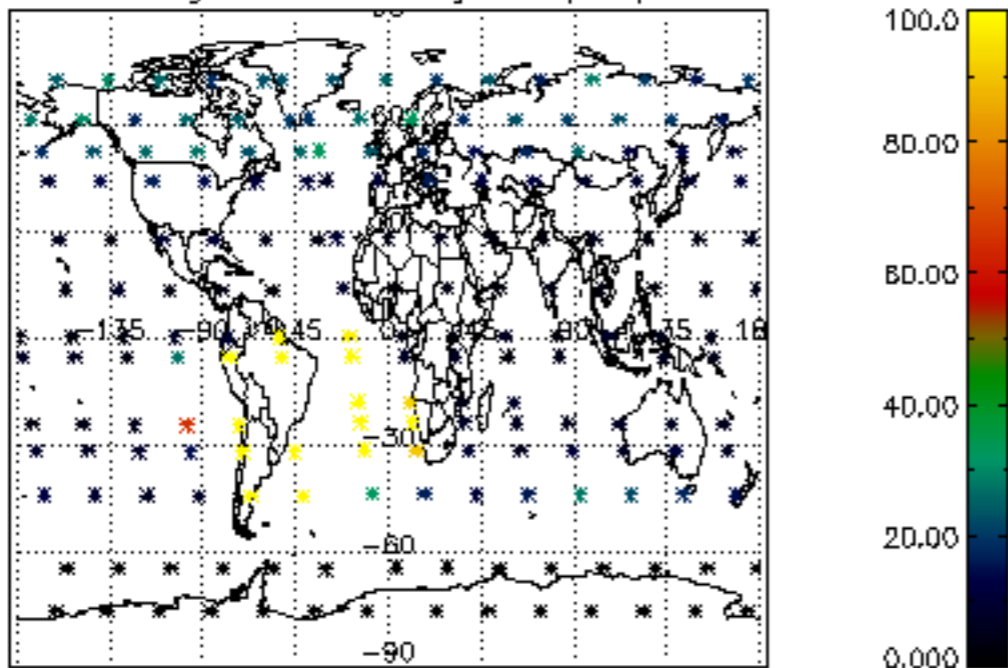
Percentage of flagged data per NO3 profile



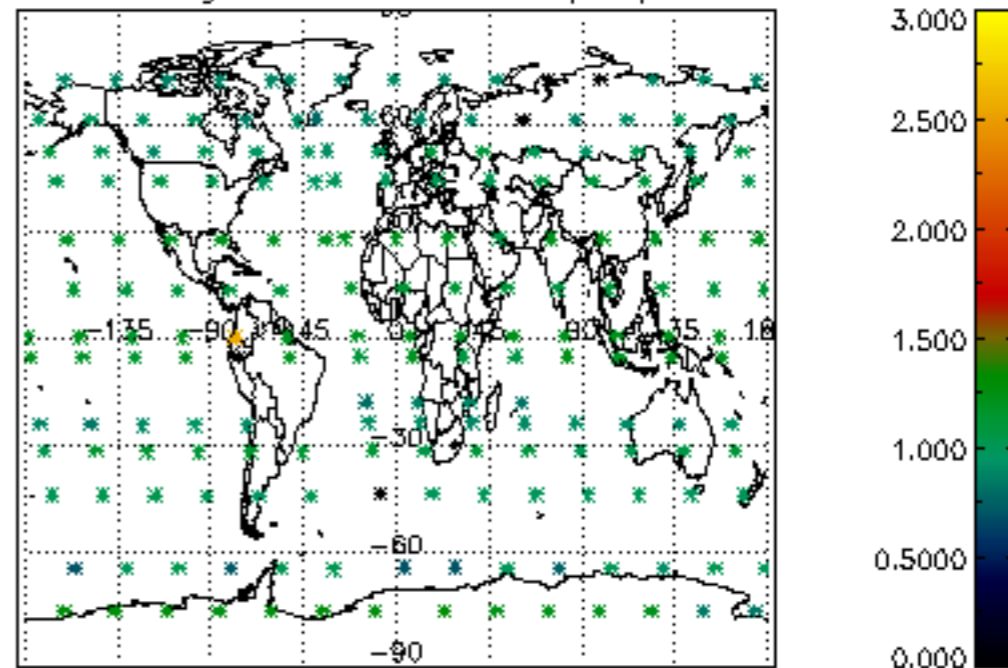




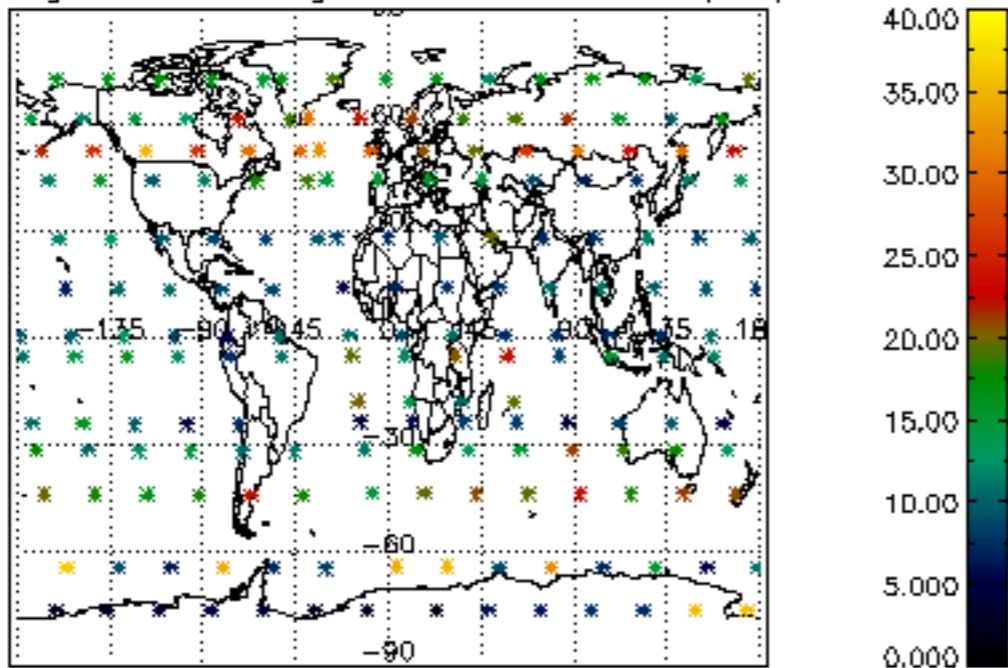
Percentage of cosmic ray hits per profile



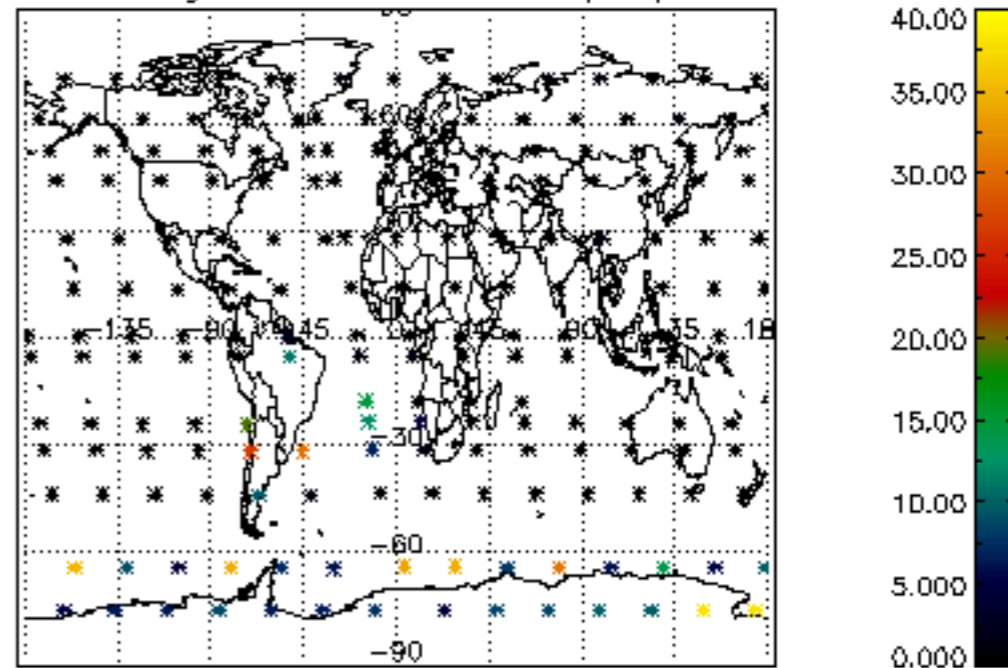
Percentage of datation errors per profile



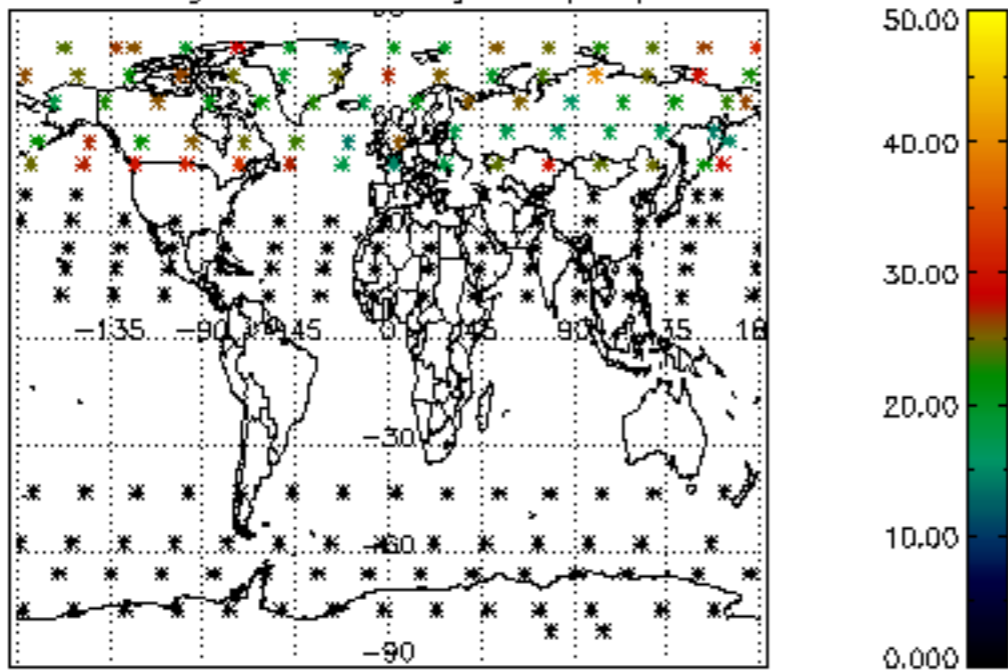
Percentage of star falling outside central band per profile



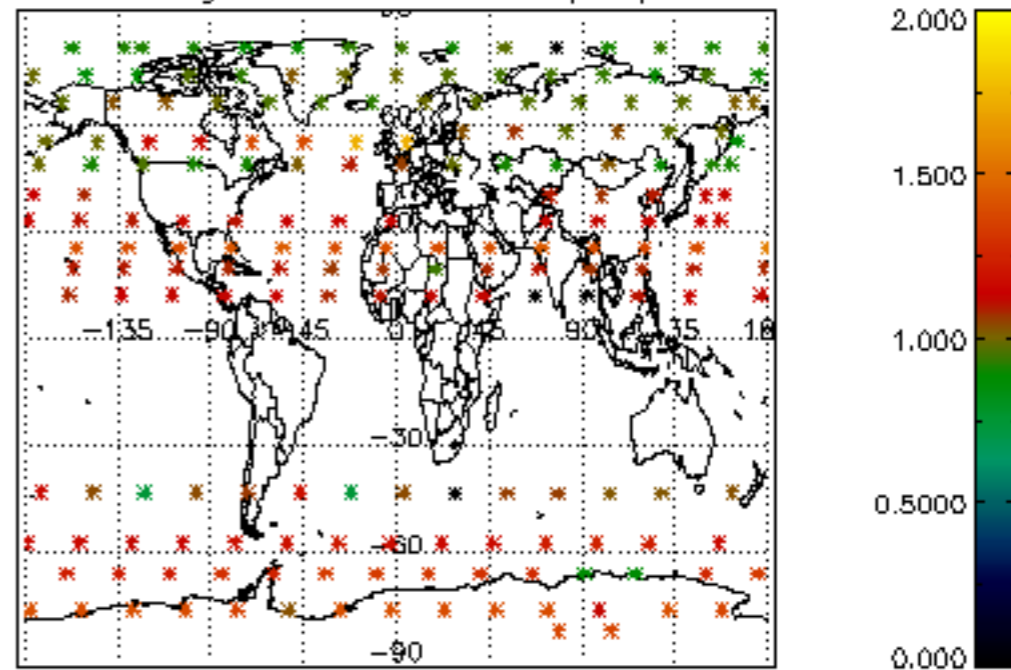
Percentage of saturation errors per profile



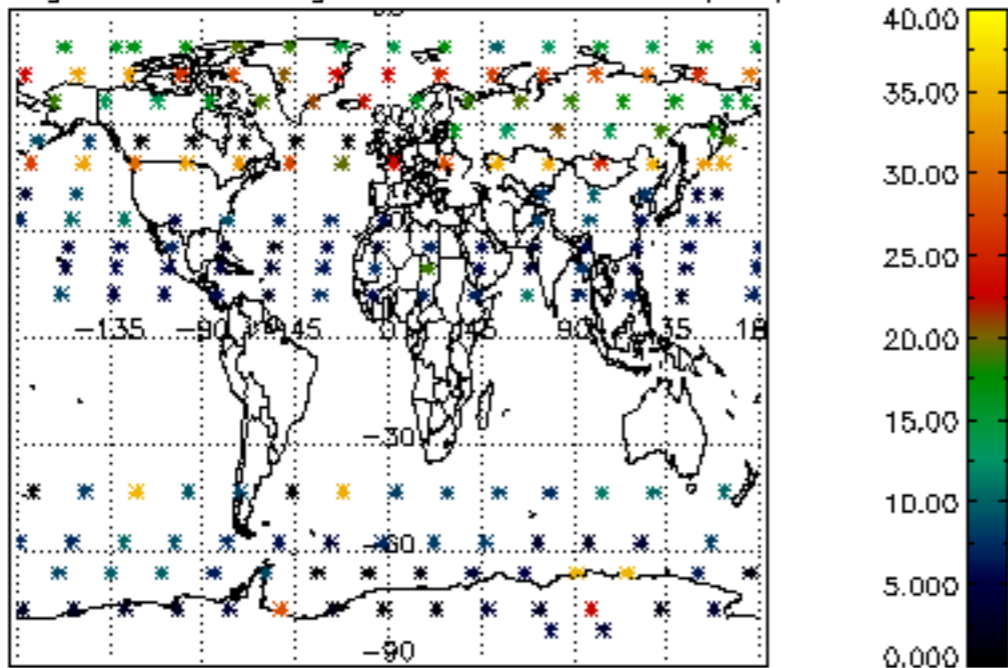
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

