

# 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	23APR2013 01:00:54
Data source version	GOMOS/6.01
Start time of products	19-08-2007 (19AUG2007 00:00:00)
Stop time of products	20-08-2007 (20AUG2007 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	227
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__2PRFIN20070819_000008_000000352060_00474_28584_8845.N1	19-AUG-2007 00:00:08	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	28584	No
2	GOM_NL__2PRFIN20070819_001902_000000392060_00474_28584_8846.N1	19-AUG-2007 00:19:02	Bright	39.000	170	27Eps Gem	3.0000	9700.0	78	28584	No
3	GOM_NL__2PRFIN20070819_002141_000000452060_00474_28584_8847.N1	19-AUG-2007 00:21:41	Twilight	44.500	44	24Gam Gem	1.9280	11000.	89	28584	No
4	GOM_NL__2PRFIN20070819_003052_000000472060_00474_28584_8848.N1	19-AUG-2007 00:30:52	Dark	47.000	1	9Alp CMa	-1.4400	11000.	94	28584	No
5	GOM_NL__2PRFIN20070819_003354_000000402060_00474_28584_8849.N1	19-AUG-2007 00:33:54	Dark	39.500	23	21Eps CMa	1.5020	26000.	79	28584	No
6	GOM_NL__2PRFIN20070819_004044_000000492060_00474_28584_8850.N1	19-AUG-2007 00:40:44	Dark	49.000	2	Alp Car	-0.73600	7000.0	98	28584	No
7	GOM_NL__2PRFIN20070819_005127_000000492060_00475_28585_8848.N1	19-AUG-2007 00:51:27	Dark	48.500	9	Alp Eri	0.45300	24000.	97	28585	No
8	GOM_NL__2PRFIN20070819_005659_000000422060_00475_28585_8849.N1	19-AUG-2007 00:56:59	Straylight	42.000	148	Alp Tuc	2.8780	4100.0	84	28585	No
9	GOM_NL__2PRFIN20070819_010034_000000392060_00475_28585_8850.N1	19-AUG-2007 01:00:34	Straylight	39.000	31	Alp Gru	1.7340	15200.	78	28585	No
10	GOM_NL__2PRFIN20070819_010331_000000412060_00475_28585_8851.N1	19-AUG-2007 01:03:31	Straylight	40.500	172	Gam Gru	3.0030	13100.	81	28585	No
11	GOM_NL__2PRFIN20070819_011756_000000352060_00475_28585_8852.N1	19-AUG-2007 01:17:56	Bright	35.000	11	53Alp Aql	0.76500	8000.0	70	28585	No
12	GOM_NL__2PRFIN20070819_012503_000000372060_00475_28585_8853.N1	19-AUG-2007 01:25:03	Bright	37.000	92	53Eps Cyg	2.5000	4500.0	74	28585	No
13	GOM_NL__2PRFIN20070819_012641_000000382060_00475_28585_8854.N1	19-AUG-2007 01:26:41	Bright	37.500	66	37Gam Cyg	2.2080	5900.0	75	28585	No
14	GOM_NL__2PRFIN20070819_012803_000000342060_00475_28585_8855.N1	19-AUG-2007 01:28:03	Bright	34.000	144	18Del Cyg	2.8600	11000.	68	28585	No
15	GOM_NL__2PRFIN20070819_013334_000000342060_00475_28585_8856.N1	19-AUG-2007 01:33:34	Bright	34.000	89	5Alp Cep	2.4510	8000.0	68	28585	No
16	GOM_NL__2PRFIN20070819_014044_000000362060_00475_28585_8857.N1	19-AUG-2007 01:40:44	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	28585	No
17	GOM_NL__2PRFIN20070819_015938_000000392060_00475_28585_8858.N1	19-AUG-2007 01:59:38	Bright	38.500	170	27Eps Gem	3.0000	9700.0	77	28585	No
18	GOM_NL__2PRFIN20070819_020217_000000402060_00475_28585_8859.N1	19-AUG-2007 02:02:17	Twilight	39.500	44	24Gam Gem	1.9280	11000.	79	28585	No
19	GOM_NL__2PRFIN20070819_021128_000000362060_00475_28585_8860.N1	19-AUG-2007 02:11:28	Dark	36.000	1	9Alp CMa	-1.4400	11000.	72	28585	No
20	GOM_NL__2PRFIN20070819_021303_000000382060_00475_28585_8861.N1	19-AUG-2007 02:13:03	Dark	37.500	179	24Omi2CMa	3.0320	24000.	75	28585	No
21	GOM_NL__2PRFIN20070819_021430_000000402060_00475_28585_8862.N1	19-AUG-2007 02:14:30	Dark	40.000	23	21Eps CMa	1.5020	26000.	80	28585	No
22	GOM_NL__2PRFIN20070819_022120_000000452060_00475_28585_8863.N1	19-AUG-2007 02:21:20	Dark	44.500	2	Alp Car	-0.73600	7000.0	89	28585	No
23	GOM_NL__2PRFIN20070819_023203_000000462060_00476_28586_8862.N1	19-AUG-2007 02:32:03	Dark	46.000	9	Alp Eri	0.45300	24000.	92	28586	No
24	GOM_NL__2PRFIN20070819_023735_000000422060_00476_28586_8863.N1	19-AUG-2007 02:37:35	Straylight	42.000	148	Alp Tuc	2.8780	4100.0	84	28586	No
25	GOM_NL__2PRFIN20070819_024110_000000412060_00476_28586_8864.N1	19-AUG-2007 02:41:10	Straylight	40.500	31	Alp Gru	1.7340	15200.	81	28586	No
26	GOM_NL__2PRFIN20070819_024407_000000402060_00476_28586_8865.N1	19-AUG-2007 02:44:07	Straylight	39.500	172	Gam Gru	3.0030	13100.	79	28586	No
27	GOM_NL__2PRFIN20070819_025832_000000372060_00476_28586_8866.N1	19-AUG-2007 02:58:32	Bright	36.500	11	53Alp Aql	0.76500	8000.0	73	28586	No
28	GOM_NL__2PRFIN20070819_030539_000000362060_00476_28586_8867.N1	19-AUG-2007 03:05:39	Bright	35.500	92	53Eps Cyg	2.5000	4500.0	71	28586	No
29	GOM_NL__2PRFIN20070819_030717_000000352060_00476_28586_8868.N1	19-AUG-2007 03:07:17	Bright	35.000	66	37Gam Cyg	2.2080	5900.0	70	28586	No
30	GOM_NL__2PRFIN20070819_030839_000000342060_00476_28586_8869.N1	19-AUG-2007 03:08:39	Bright	34.000	144	18Del Cyg	2.8600	11000.	68	28586	No
31	GOM_NL__2PRFIN20070819_031410_000000382060_00476_28586_8870.N1	19-AUG-2007 03:14:10	Bright	37.500	89	5Alp Cep	2.4510	8000.0	75	28586	No
32	GOM_NL__2PRFIN20070819_032120_000000332060_00476_28586_8871.N1	19-AUG-2007 03:21:20	Bright	32.500	49	1Alp UMi	1.9900	6300.0	65	28586	No
33	GOM_NL__2PRFIN20070819_034014_000000382060_00476_28586_8872.N1	19-AUG-2007 03:40:14	Bright	38.000	170	27Eps Gem	3.0000	9700.0	76	28586	No
34	GOM_NL__2PRFIN20070819_034254_000000422060_00476_28586_8873.N1	19-AUG-2007 03:42:54	Twilight	41.500	44	24Gam Gem	1.9280	11000.	83	28586	No
35	GOM_NL__2PRFIN20070819_035204_000000452060_00476_28586_8874.N1	19-AUG-2007 03:52:04	Dark	44.500	1	9Alp CMa	-1.4400	11000.	89	28586	No
36	GOM_NL__2PRFIN20070819_035339_000000382060_00476_28586_8875.N1	19-AUG-2007 03:53:39	Dark	38.000	179	24Omi2CMa	3.0320	24000.	76	28586	No
37	GOM_NL__2PRFIN20070819_035506_000000392060_00476_28586_8876.N1	19-AUG-2007 03:55:06	Dark	38.500	23	21Eps CMa	1.5020	26000.	77	28586	No
38	GOM_NL__2PRFIN20070819_040157_000000432060_00476_28586_8877.N1	19-AUG-2007 04:01:57	Dark	43.000	2	Alp Car	-0.73600	7000.0	86	28586	No
39	GOM_NL__2PRFIN20070819_041240_000000482060_00477_28587_8876.N1	19-AUG-2007 04:12:40	Dark	48.000	9	Alp Eri	0.45300	24000.	96	28587	No
40	GOM_NL__2PRFIN20070819_041812_000000452060_00477_28587_8877.N1	19-AUG-2007 04:18:12	Straylight	45.000	148	Alp Tuc	2.8780	4100.0	90	28587	No
41	GOM_NL__2PRFIN20070819_042147_000000432060_00477_28587_8878.N1	19-AUG-2007 04:21:47	Straylight	43.000	31	Alp Gru	1.7340	15200.	86	28587	No
42	GOM_NL__2PRFIN20070819_042444_000000382060_00477_28587_8879.N1	19-AUG-2007 04:24:44	Straylight	37.500	172	Gam Gru	3.0030	13100.	75	28587	No







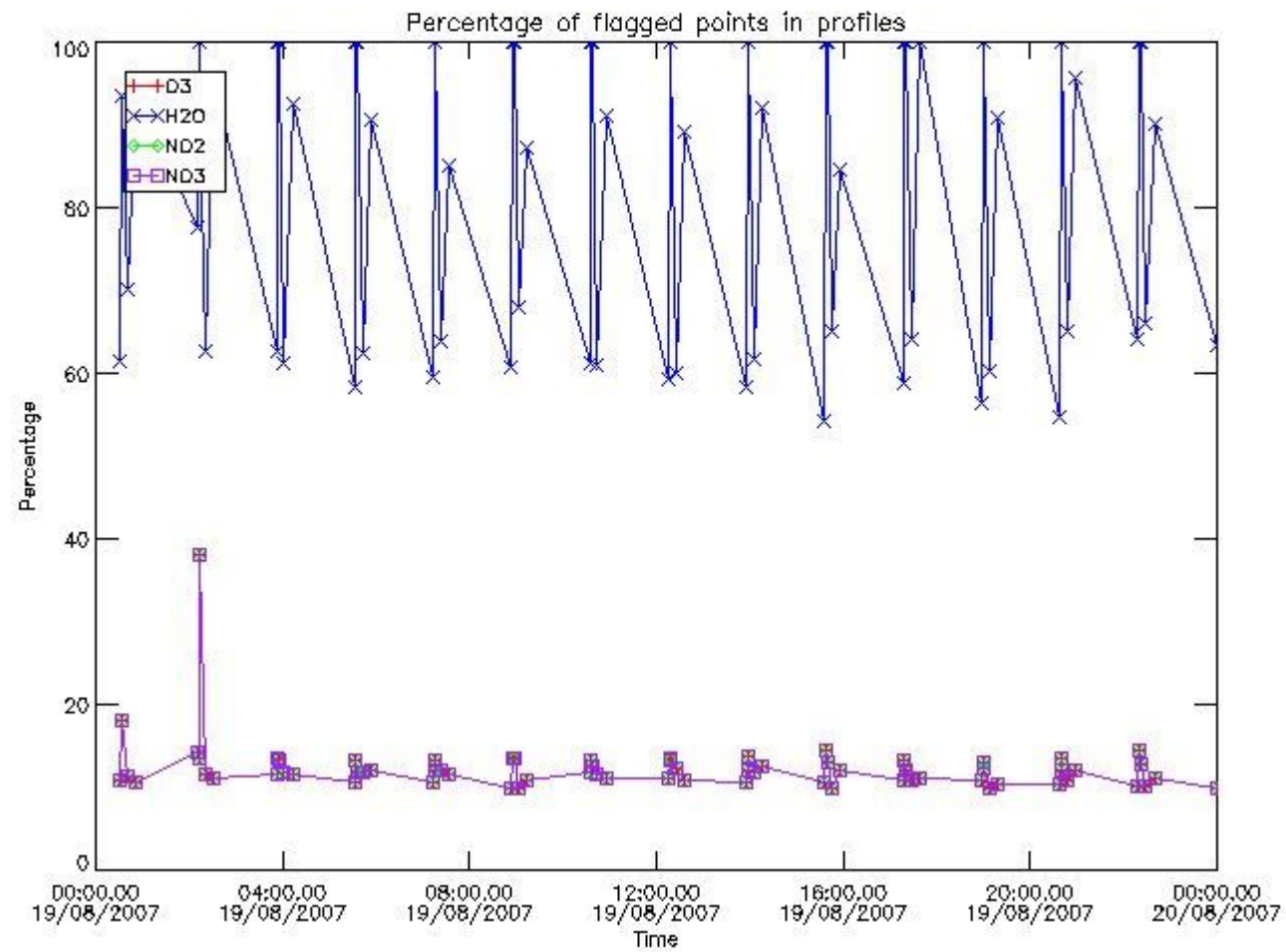
161	GOM_NL__2PRFIN20070819_170503_000000412060_00484_28594_9017.N1	19-AUG-2007 17:05:03	Bright	41.000	170	27Eps Gem	3.0000	9700.0	82	28594	No
162	GOM_NL__2PRFIN20070819_170743_000000432060_00484_28594_9018.N1	19-AUG-2007 17:07:43	Tw_i_and_stray	43.000	44	24Gam Gem	1.9280	11000.	86	28594	No
163	GOM_NL__2PRFIN20070819_171655_000000472060_00484_28594_9019.N1	19-AUG-2007 17:16:55	Dark	46.500	1	9Alp CMA	-1.4400	11000.	93	28594	No
164	GOM_NL__2PRFIN20070819_171829_000000392060_00484_28594_9020.N1	19-AUG-2007 17:18:29	Dark	38.500	179	24Omi2CMA	3.0320	24000.	77	28594	No
165	GOM_NL__2PRFIN20070819_171956_000000432060_00484_28594_9021.N1	19-AUG-2007 17:19:56	Dark	42.500	23	21Eps CMA	1.5020	26000.	85	28594	No
166	GOM_NL__2PRFIN20070819_172647_000000522060_00484_28594_9022.N1	19-AUG-2007 17:26:47	Dark	52.000	2	Alp Car	-0.73600	7000.0	104	28594	No
167	GOM_NL__2PRFIN20070819_173733_000000462060_00485_28595_9019.N1	19-AUG-2007 17:37:33	Dark	45.500	9	Alp Eri	0.45300	24000.	91	28595	No
168	GOM_NL__2PRFIN20070819_174302_000000382060_00485_28595_9020.N1	19-AUG-2007 17:43:02	Straylight	37.500	148	Alp Tuc	2.8780	4100.0	75	28595	No
169	GOM_NL__2PRFIN20070819_174637_000000472060_00485_28595_9021.N1	19-AUG-2007 17:46:37	Straylight	46.500	31	Alp Gru	1.7340	15200.	93	28595	No
170	GOM_NL__2PRFIN20070819_174933_000000392060_00485_28595_9022.N1	19-AUG-2007 17:49:33	Straylight	38.500	172	Gam Gru	3.0030	13100.	77	28595	No
171	GOM_NL__2PRFIN20070819_180357_000000392060_00485_28595_9023.N1	19-AUG-2007 18:03:57	Bright	38.500	11	53Alp Aql	0.76500	8000.0	77	28595	No
172	GOM_NL__2PRFIN20070819_181101_000000362060_00485_28595_9024.N1	19-AUG-2007 18:11:01	Bright	36.000	92	53Eps Cyg	2.5000	4500.0	72	28595	No
173	GOM_NL__2PRFIN20070819_181240_000000352060_00485_28595_9025.N1	19-AUG-2007 18:12:40	Bright	34.500	66	37Gam Cyg	2.2080	5900.0	69	28595	No
174	GOM_NL__2PRFIN20070819_181403_000000342060_00485_28595_9026.N1	19-AUG-2007 18:14:03	Bright	34.000	144	18Del Cyg	2.8600	11000.	68	28595	No
175	GOM_NL__2PRFIN20070819_181931_000000382060_00485_28595_9027.N1	19-AUG-2007 18:19:31	Bright	37.500	89	5Alp Cep	2.4510	8000.0	75	28595	No
176	GOM_NL__2PRFIN20070819_182644_000000362060_00485_28595_9028.N1	19-AUG-2007 18:26:44	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	28595	No
177	GOM_NL__2PRFIN20070819_184539_000000392060_00485_28595_9029.N1	19-AUG-2007 18:45:39	Bright	39.000	170	27Eps Gem	3.0000	9700.0	78	28595	No
178	GOM_NL__2PRFIN20070819_184820_000000452060_00485_28595_9030.N1	19-AUG-2007 18:48:20	Tw_i_and_stray	44.500	44	24Gam Gem	1.9280	11000.	89	28595	No
179	GOM_NL__2PRFIN20070819_185731_000000482060_00485_28595_9031.N1	19-AUG-2007 18:57:31	Dark	47.500	1	9Alp CMA	-1.4400	11000.	95	28595	No
180	GOM_NL__2PRFIN20070819_185905_000000392060_00485_28595_9032.N1	19-AUG-2007 18:59:05	Dark	39.000	179	24Omi2CMA	3.0320	24000.	78	28595	No
181	GOM_NL__2PRFIN20070819_190033_000000422060_00485_28595_9033.N1	19-AUG-2007 19:00:33	Dark	41.500	23	21Eps CMA	1.5020	26000.	83	28595	No
182	GOM_NL__2PRFIN20070819_190723_000000522060_00485_28595_9034.N1	19-AUG-2007 19:07:23	Dark	52.000	2	Alp Car	-0.73600	7000.0	104	28595	No
183	GOM_NL__2PRFIN20070819_191809_000000502060_00486_28596_9033.N1	19-AUG-2007 19:18:09	Dark	49.500	9	Alp Eri	0.45300	24000.	99	28596	No
184	GOM_NL__2PRFIN20070819_192338_000000382060_00486_28596_9034.N1	19-AUG-2007 19:23:38	Straylight	38.000	148	Alp Tuc	2.8780	4100.0	76	28596	No
185	GOM_NL__2PRFIN20070819_192713_000000452060_00486_28596_9035.N1	19-AUG-2007 19:27:13	Straylight	44.500	31	Alp Gru	1.7340	15200.	89	28596	No
186	GOM_NL__2PRFIN20070819_193009_000000402060_00486_28596_9036.N1	19-AUG-2007 19:30:09	Straylight	40.000	172	Gam Gru	3.0030	13100.	80	28596	No
187	GOM_NL__2PRFIN20070819_194433_000000372060_00486_28596_9037.N1	19-AUG-2007 19:44:33	Bright	36.500	11	53Alp Aql	0.76500	8000.0	73	28596	No
188	GOM_NL__2PRFIN20070819_195137_000000382060_00486_28596_9038.N1	19-AUG-2007 19:51:37	Bright	38.000	92	53Eps Cyg	2.5000	4500.0	76	28596	No
189	GOM_NL__2PRFIN20070819_195316_000000372060_00486_28596_9039.N1	19-AUG-2007 19:53:16	Bright	36.500	66	37Gam Cyg	2.2080	5900.0	73	28596	No
190	GOM_NL__2PRFIN20070819_195439_000000342060_00486_28596_9040.N1	19-AUG-2007 19:54:39	Bright	34.000	144	18Del Cyg	2.8600	11000.	68	28596	No
191	GOM_NL__2PRFIN20070819_200007_000000372060_00486_28596_9041.N1	19-AUG-2007 20:00:07	Bright	36.500	89	5Alp Cep	2.4510	8000.0	73	28596	No
192	GOM_NL__2PRFIN20070819_200719_000000362060_00486_28596_9042.N1	19-AUG-2007 20:07:19	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	28596	No
193	GOM_NL__2PRFIN20070819_202616_000000412060_00486_28596_9043.N1	19-AUG-2007 20:26:16	Bright	41.000	170	27Eps Gem	3.0000	9700.0	82	28596	No
194	GOM_NL__2PRFIN20070819_202856_000000422060_00486_28596_9044.N1	19-AUG-2007 20:28:56	Tw_i_and_stray	42.000	44	24Gam Gem	1.9280	11000.	84	28596	No
195	GOM_NL__2PRFIN20070819_203808_000000492060_00486_28596_9045.N1	19-AUG-2007 20:38:08	Dark	49.000	1	9Alp CMA	-1.4400	11000.	98	28596	No
196	GOM_NL__2PRFIN20070819_203941_000000382060_00486_28596_9046.N1	19-AUG-2007 20:39:41	Dark	37.500	179	24Omi2CMA	3.0320	24000.	75	28596	No
197	GOM_NL__2PRFIN20070819_204109_000000422060_00486_28596_9047.N1	19-AUG-2007 20:41:09	Dark	42.000	23	21Eps CMA	1.5020	26000.	84	28596	No
198	GOM_NL__2PRFIN20070819_204759_000000522060_00486_28596_9048.N1	19-AUG-2007 20:47:59	Dark	52.000	2	Alp Car	-0.73600	7000.0	104	28596	No
199	GOM_NL__2PRFIN20070819_205846_000000472060_00487_28597_9047.N1	19-AUG-2007 20:58:46	Dark	46.500	9	Alp Eri	0.45300	24000.	93	28597	No
200	GOM_NL__2PRFIN20070819_210414_000000472060_00487_28597_9048.N1	19-AUG-2007 21:04:14	Straylight	46.500	148	Alp Tuc	2.8780	4100.0	93	28597	No
201	GOM_NL__2PRFIN20070819_210750_000000392060_00487_28597_9049.N1	19-AUG-2007 21:07:50	Straylight	39.000	31	Alp Gru	1.7340	15200.	78	28597	No
202	GOM_NL__2PRFIN20070819_211046_000000392060_00487_28597_9050.N1	19-AUG-2007 21:10:46	Straylight	39.000	172	Gam Gru	3.0030	13100.	78	28597	No
203	GOM_NL__2PRFIN20070819_212509_000000372060_00487_28597_9051.N1	19-AUG-2007 21:25:09	Bright	37.000	11	53Alp Aql	0.76500	8000.0	74	28597	No
204	GOM_NL__2PRFIN20070819_213213_000000372060_00487_28597_9052.N1	19-AUG-2007 21:32:13	Bright	36.500	92	53Eps Cyg	2.5000	4500.0	73	28597	No
205	GOM_NL__2PRFIN20070819_213352_000000362060_00487_28597_9053.N1	19-AUG-2007 21:33:52	Bright	36.000	66	37Gam Cyg	2.2080	5900.0	72	28597	No
206	GOM_NL__2PRFIN20070819_213515_000000332060_00487_28597_9054.N1	19-AUG-2007 21:35:15	Bright	33.000	144	18Del Cyg	2.8600	11000.	66	28597	No
207	GOM_NL__2PRFIN20070819_214043_000000382060_00487_28597_9055.N1	19-AUG-2007 21:40:43	Bright	37.500	89	5Alp Cep	2.4510	8000.0	75	28597	No
208	GOM_NL__2PRFIN20070819_214755_000000362060_00487_28597_9056.N1	19-AUG-2007 21:47:55	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	28597	No
209	GOM_NL__2PRFIN20070819_220652_000000402060_00487_28597_9057.N1	19-AUG-2007 22:06:52	Bright	39.500	170	27Eps Gem	3.0000	9700.0	79	28597	No
210	GOM_NL__2PRFIN20070819_220932_000000452060_00487_28597_9058.N1	19-AUG-2007 22:09:32	Tw_i_and_stray	44.500	44	24Gam Gem	1.9280	11000.	89	28597	No
211	GOM_NL__2PRFIN20070819_221844_000000512060_00487_28597_9059.N1	19-AUG-2007 22:18:44	Dark	50.500	1	9Alp CMA	-1.4400	11000.	101	28597	No
212	GOM_NL__2PRFIN20070819_222018_000000362060_00487_28597_9060.N1	19-AUG-2007 22:20:18	Dark	35.500	179	24Omi2CMA	3.0320	24000.	71	28597	No
213	GOM_NL__2PRFIN20070819_222145_000000402060_00487_28597_9061.N1	19-AUG-2007 22:21:45	Dark	40.000	23	21Eps CMA	1.5020	26000.	80	28597	No
214	GOM_NL__2PRFIN20070819_222835_000000512060_00487_28597_9062.N1	19-AUG-2007 22:28:35	Dark	50.500	2	Alp Car	-0.73600	7000.0	101	28597	No
215	GOM_NL__2PRFIN20070819_223923_000000462060_00488_28598_9056.N1	19-AUG-2007 22:39:23	Dark	46.000	9	Alp Eri	0.45300	24000.	92	28598	No
216	GOM_NL__2PRFIN20070819_224450_000000402060_00488_28598_9057.N1	19-AUG-2007 22:44:50	Straylight	39.500	148	Alp Tuc	2.8780	4100.0	79	28598	No
217	GOM_NL__2PRFIN20070819_224826_000000442060_00488_28598_9058.N1	19-AUG-2007 22:48:26	Straylight	43.500	31	Alp Gru	1.7340	15200.	87	28598	No
218	GOM_NL__2PRFIN20070819_225122_000000402060_00488_28598_9059.N1	19-AUG-2007 22:51:22	Straylight	39.500	172	Gam Gru	3.0030	13100.	79	28598	No
219	GOM_NL__2PRFIN20070819_230545_000000362060_00488_28598_9060.N1	19-AUG-2007 23:05:45	Bright	35.500	11	53Alp Aql	0.76500	8000.0	71	28598	No

220	GOM_NL__2PRFIN20070819_231248_000000392060_00488_28598_9061.N1	19-AUG-2007 23:12:48	Bright	39.000	92	53Eps Cyg	2.5000	4500.0	78	28598	No
221	GOM_NL__2PRFIN20070819_231428_000000372060_00488_28598_9062.N1	19-AUG-2007 23:14:28	Bright	36.500	66	37Gam Cyg	2.2080	5900.0	73	28598	No
222	GOM_NL__2PRFIN20070819_231551_000000342060_00488_28598_9063.N1	19-AUG-2007 23:15:51	Bright	33.500	144	18Del Cyg	2.8600	11000.	67	28598	No
223	GOM_NL__2PRFIN20070819_232118_000000362060_00488_28598_9064.N1	19-AUG-2007 23:21:18	Bright	36.000	89	5Alp Cep	2.4510	8000.0	72	28598	No
224	GOM_NL__2PRFIN20070819_232831_000000362060_00488_28598_9065.N1	19-AUG-2007 23:28:31	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	28598	No
225	GOM_NL__2PRFIN20070819_234728_000000412060_00488_28598_9066.N1	19-AUG-2007 23:47:28	Bright	41.000	170	27Eps Gem	3.0000	9700.0	82	28598	No
226	GOM_NL__2PRFIN20070819_235008_000000412060_00488_28598_9067.N1	19-AUG-2007 23:50:08	Twilight_stray	41.000	44	24Gam Gem	1.9280	11000.	82	28598	No
227	GOM_NL__2PRFIN20070819_235920_000000512060_00488_28598_9068.N1	19-AUG-2007 23:59:20	Dark	51.000	1	9Alp CMa	-1.4400	11000.	102	28598	No

### 3. Quality information per product

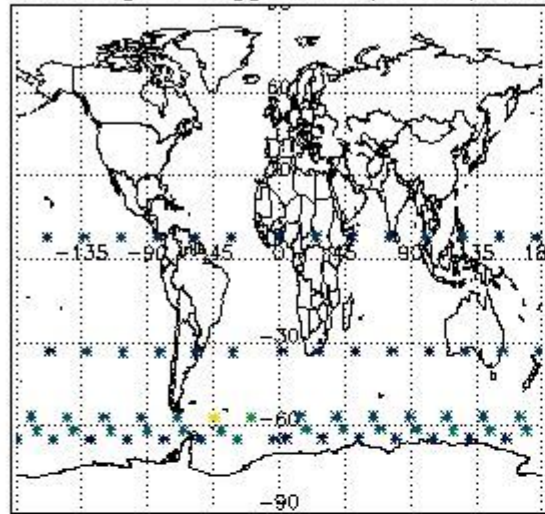
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

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

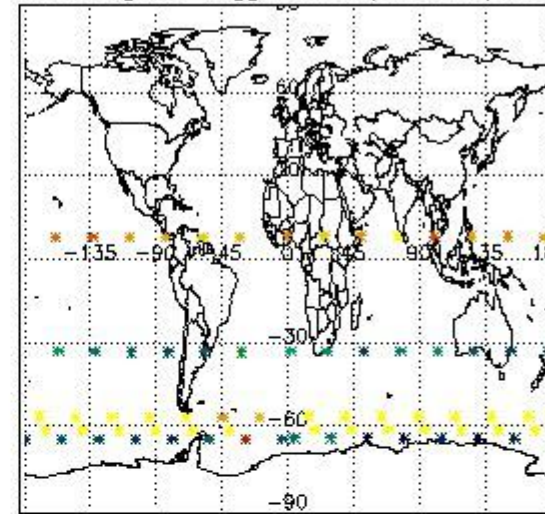


#### 3.2 Plot quality information per product (world map)

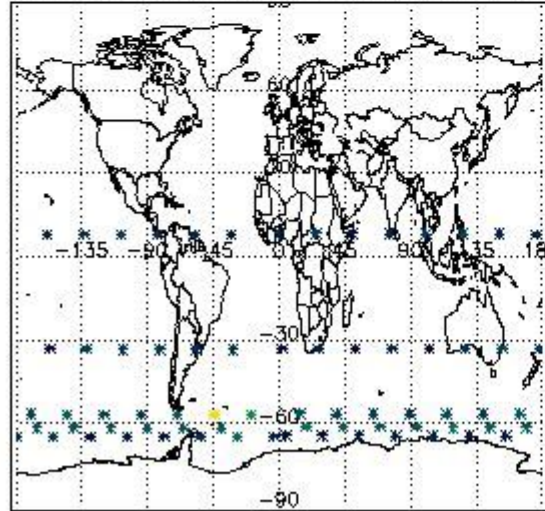
Percentage of flagged data per O3 profile



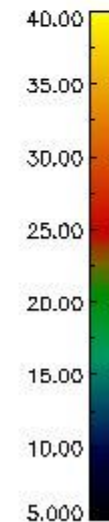
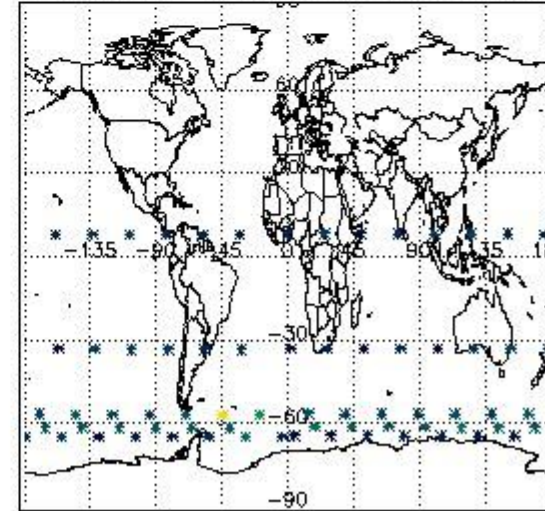
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile



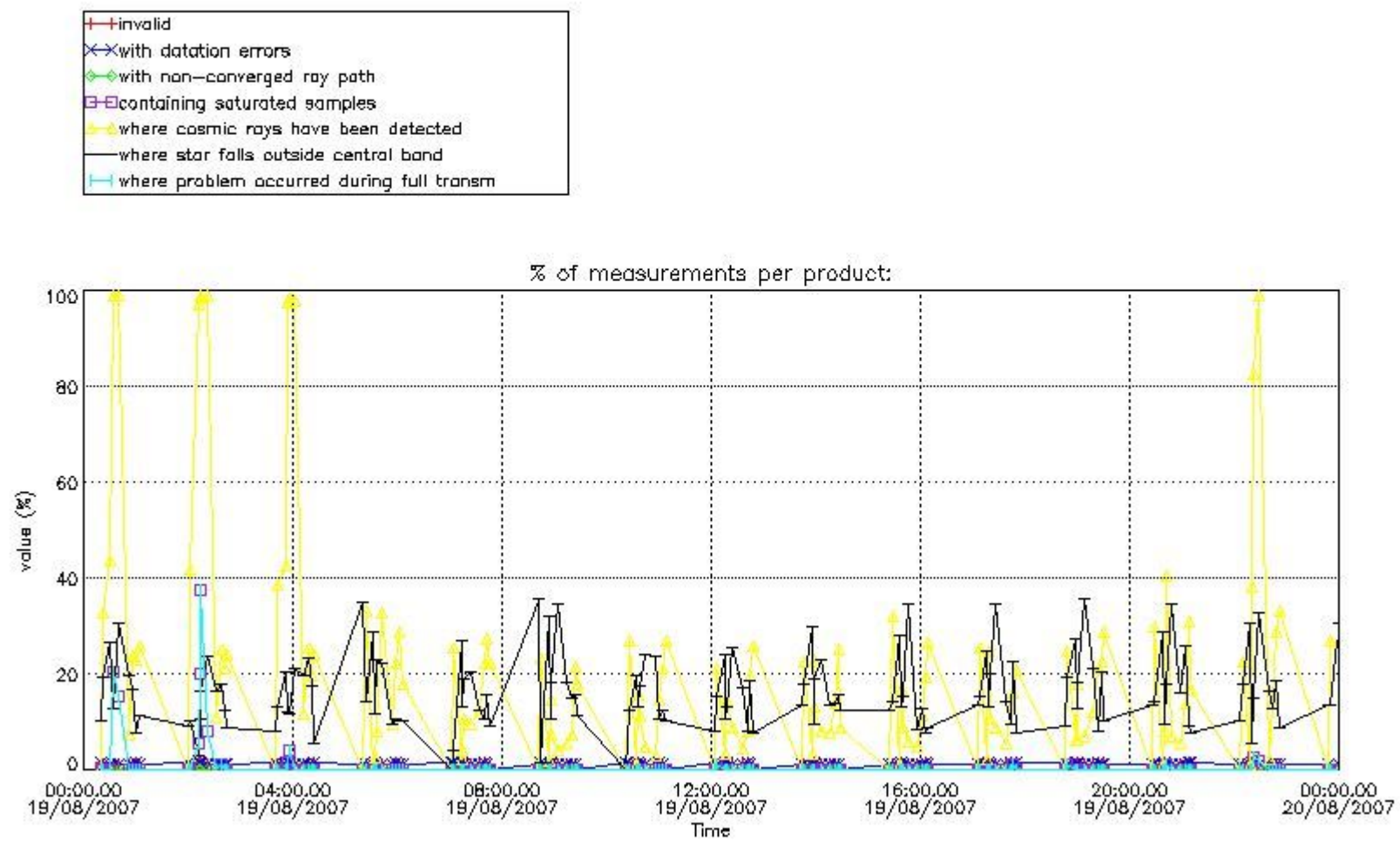
#### 4. Level 1 quality information per product

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

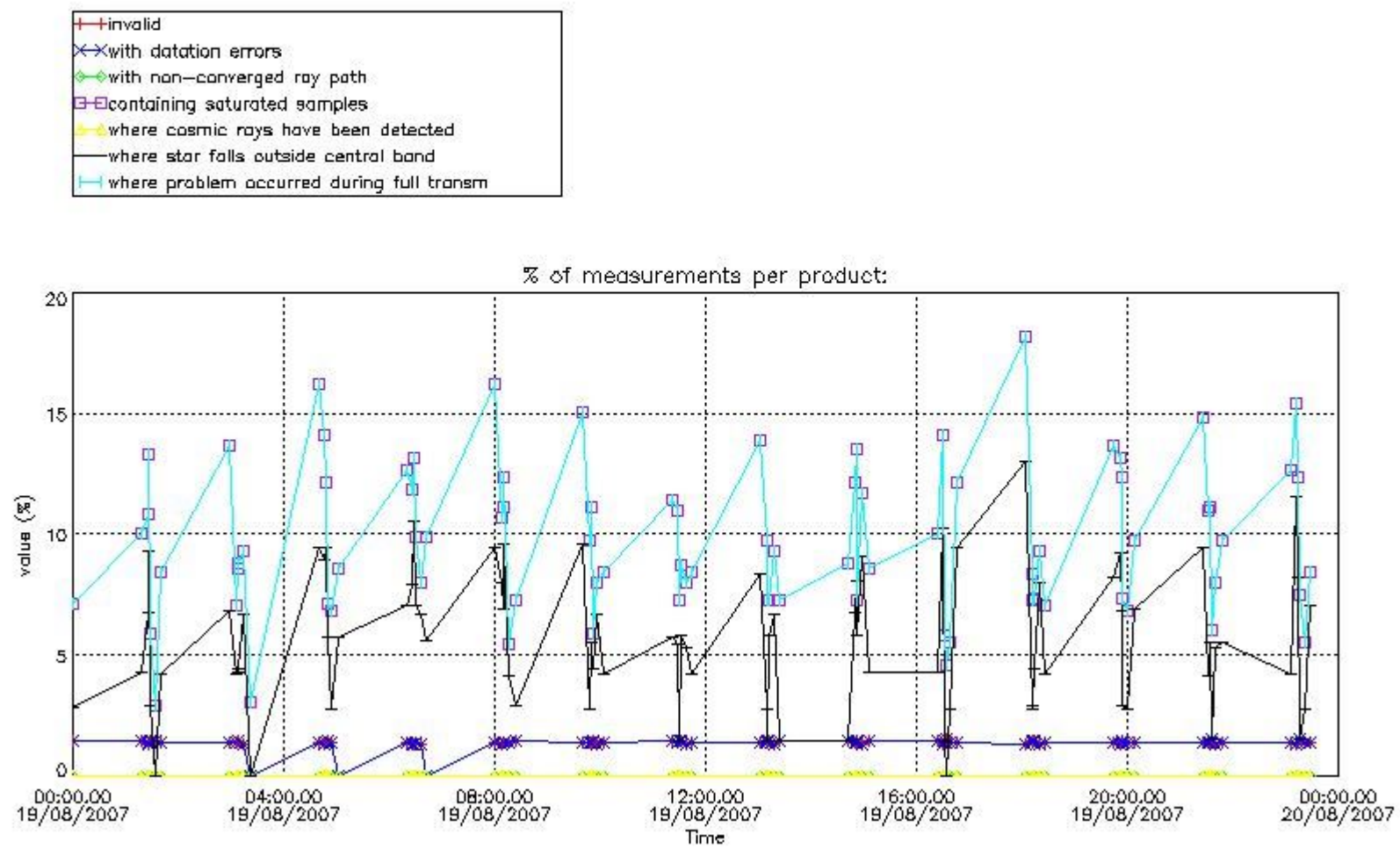
###### 4.1.1 Plot level 1 quality information per product (time dependant): ENVISAT ASCENDING passes





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

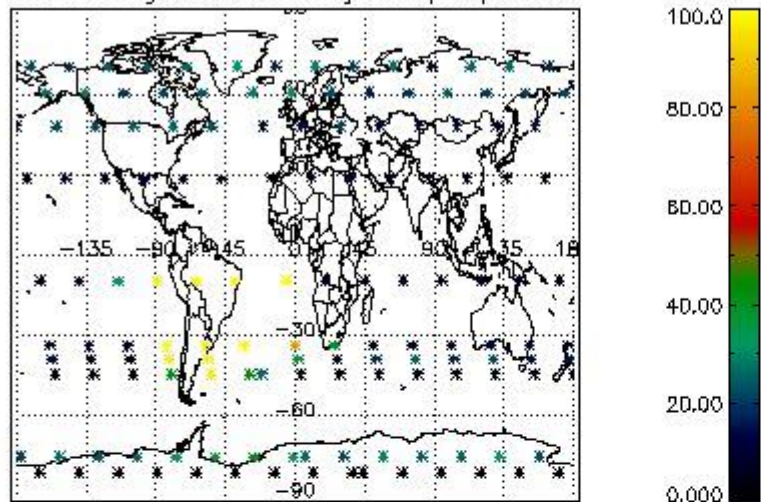




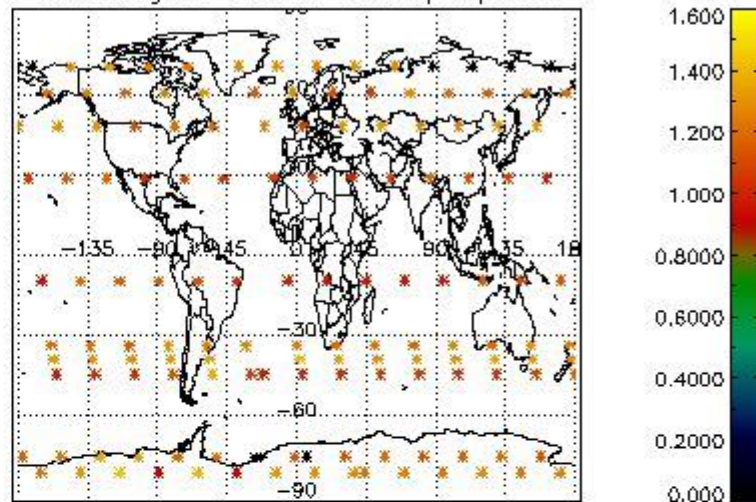
*4.2 Plot quality information per product coming from level 1b processing (world map)*

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

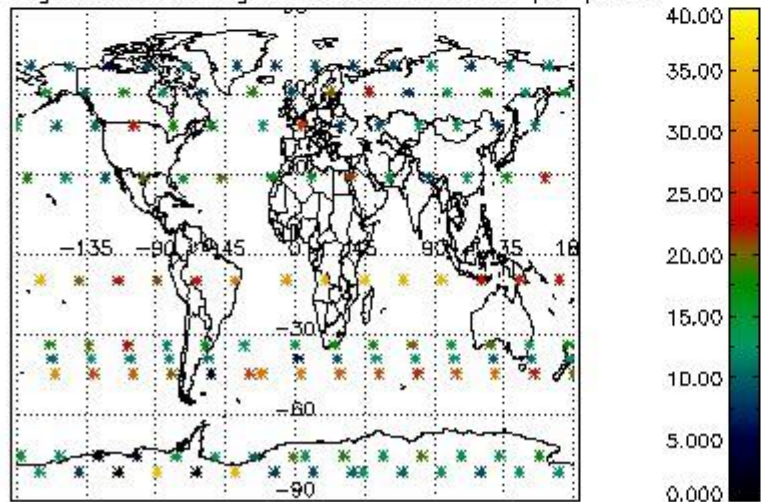
Percentage of cosmic ray hits per profile



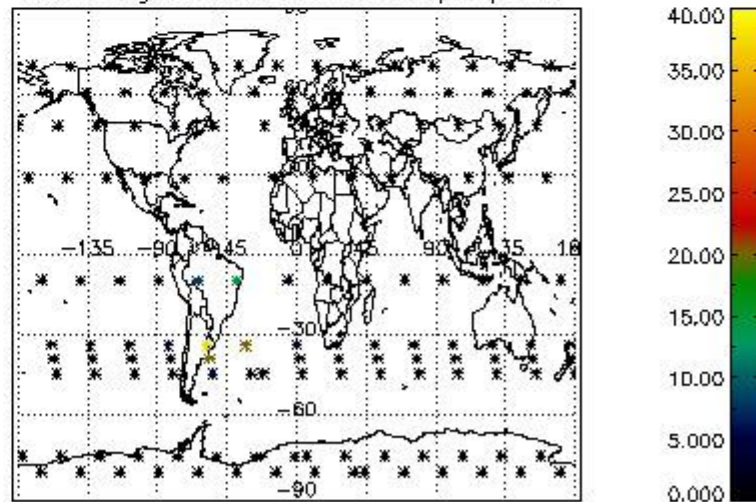
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

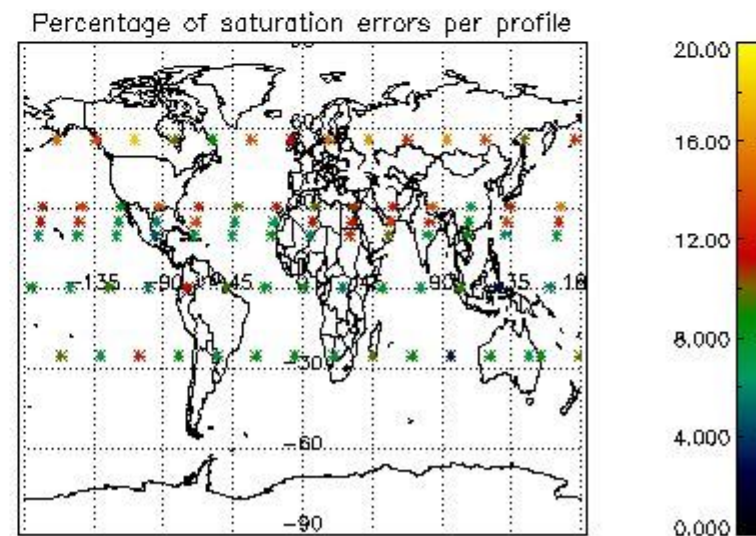
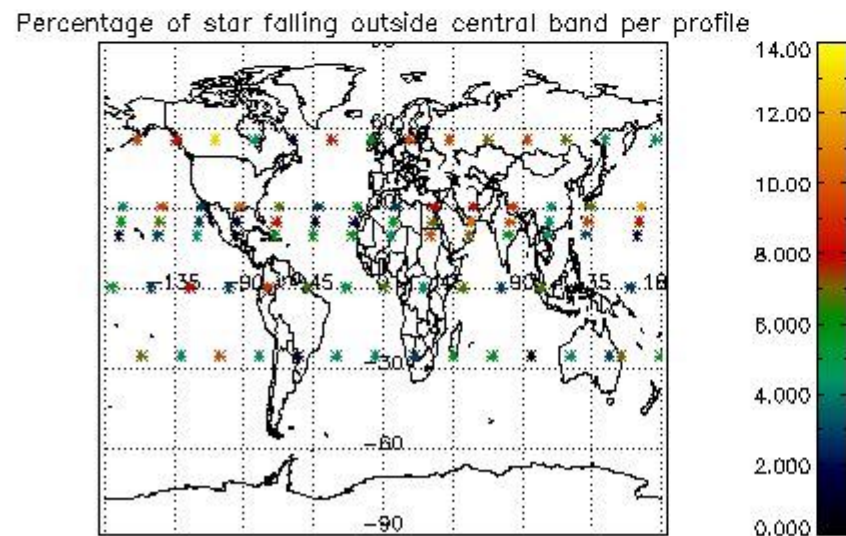
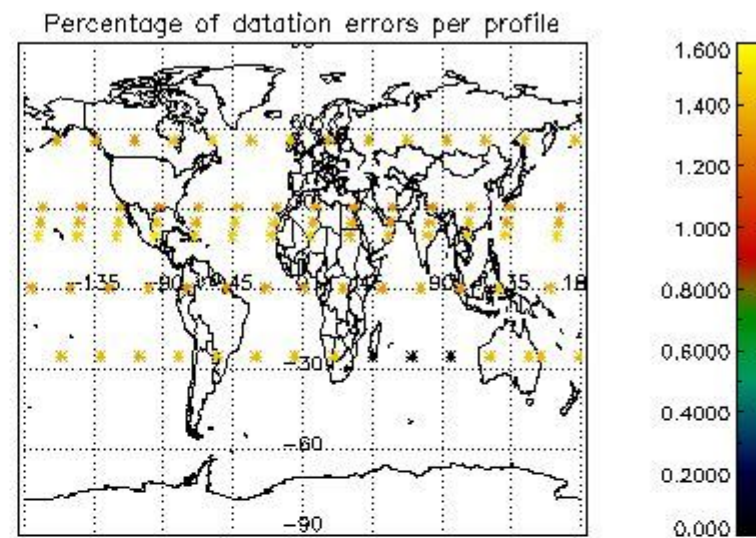
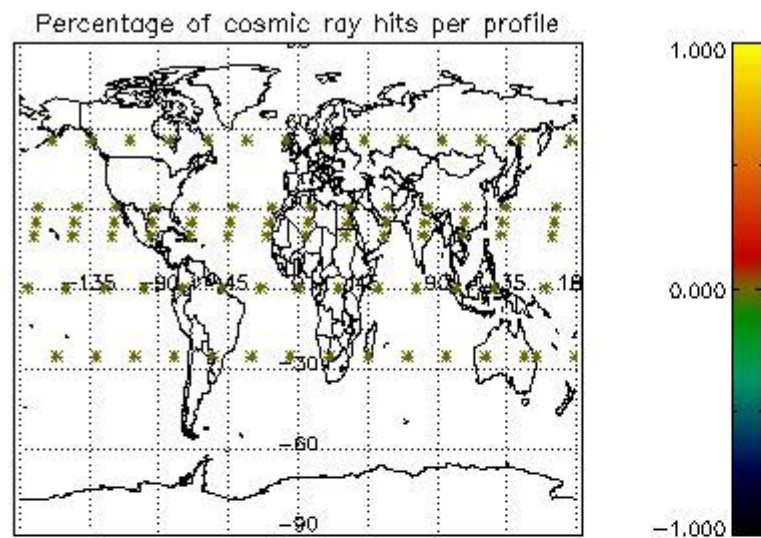


Percentage of saturation errors per profile



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





## 5. Trace gas profiles

### 5.1 Ozone statistics based on quality of products

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

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

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

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

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

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

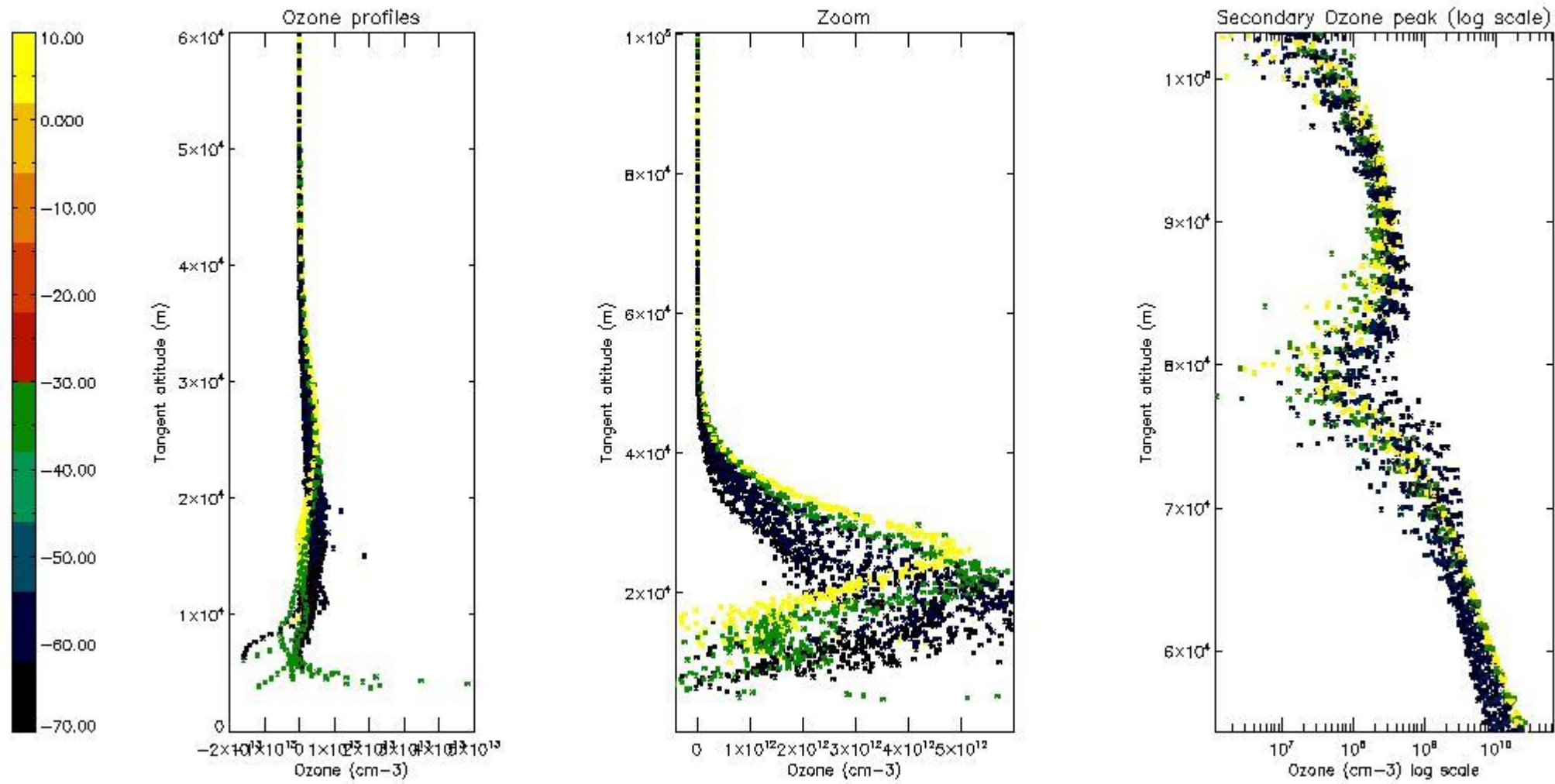
Criteria	% of total production
All STD	35
STD < 20	25



STD < 10	22
STD < 5	18

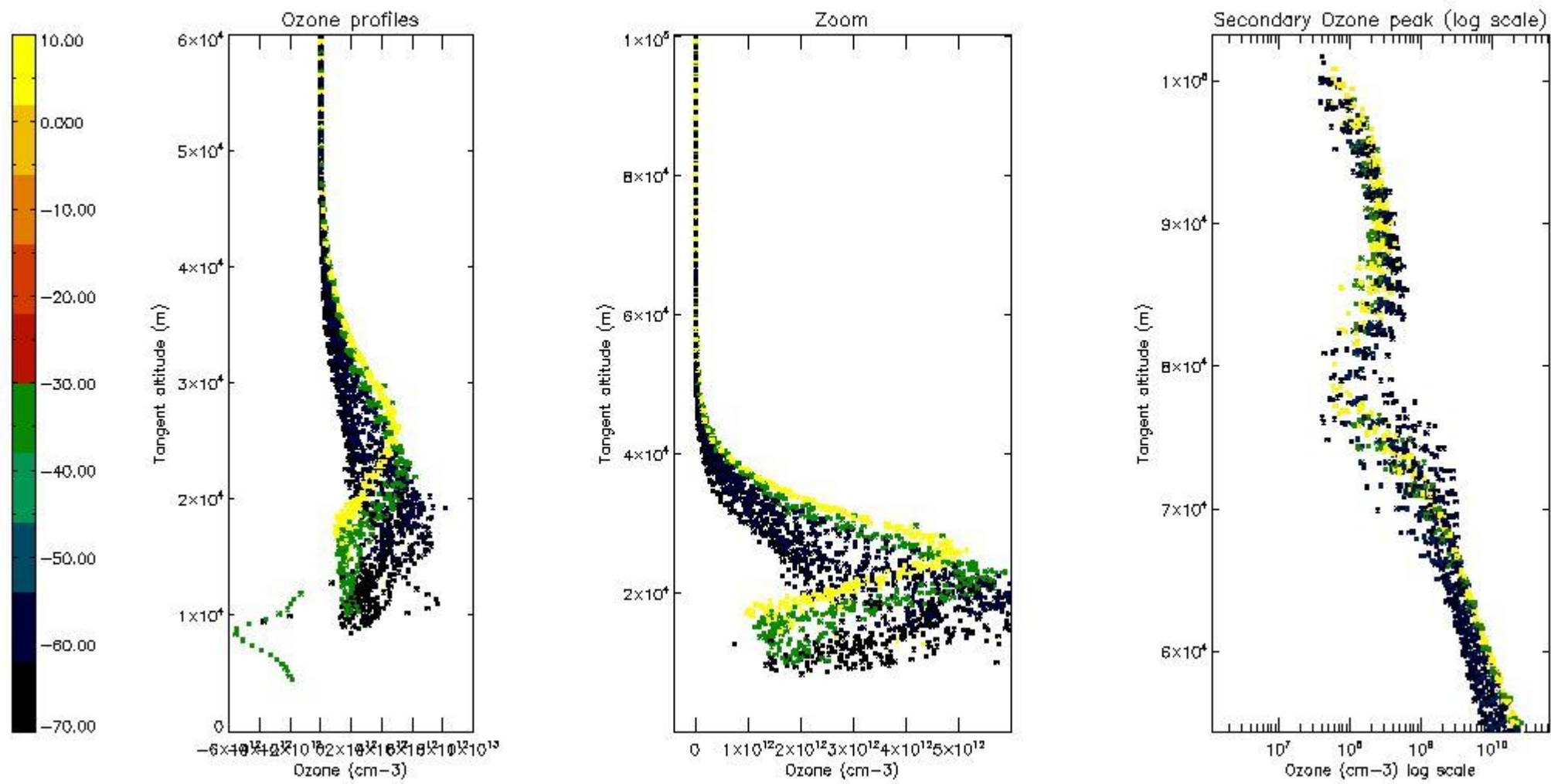
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



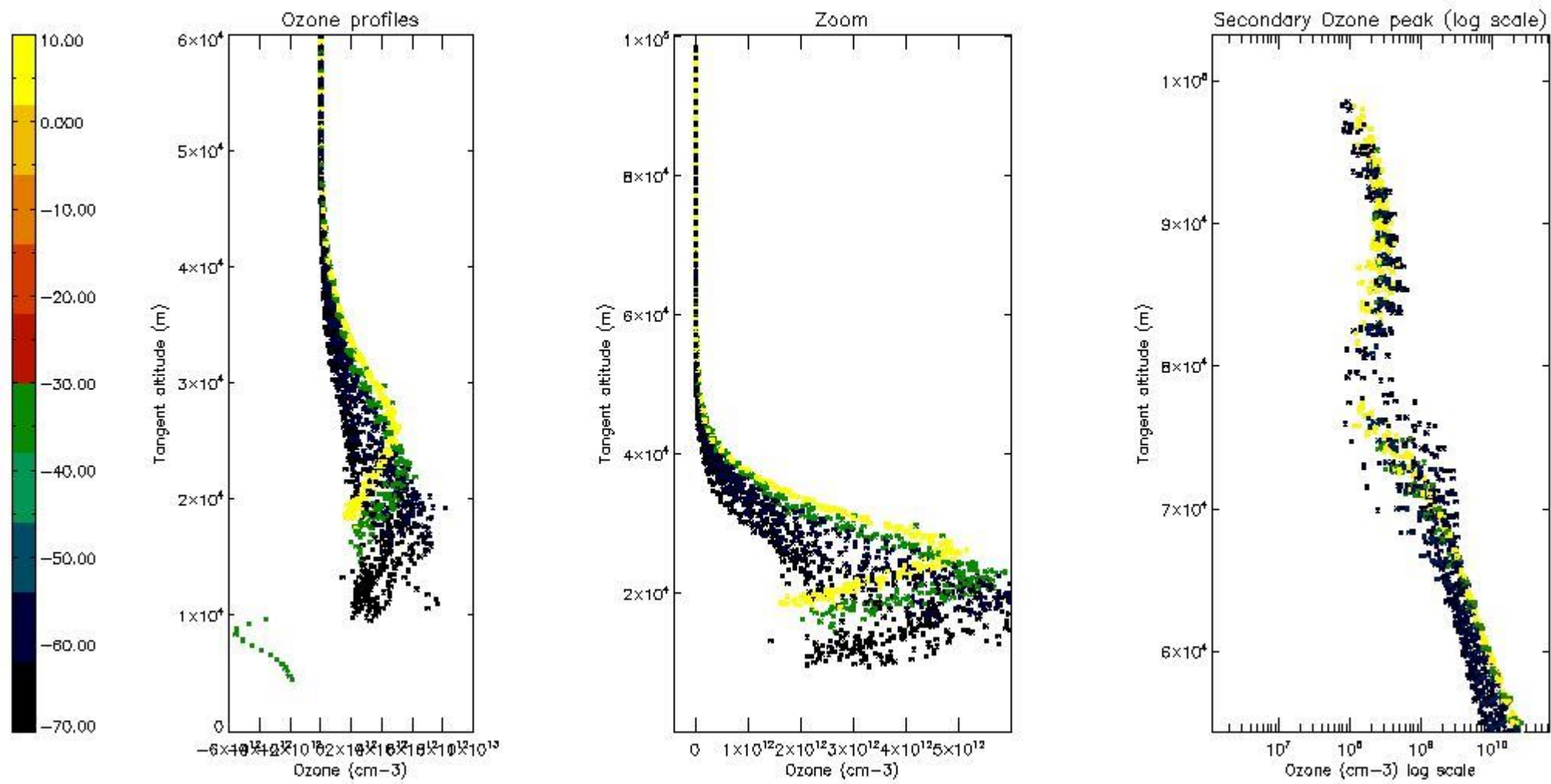
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



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

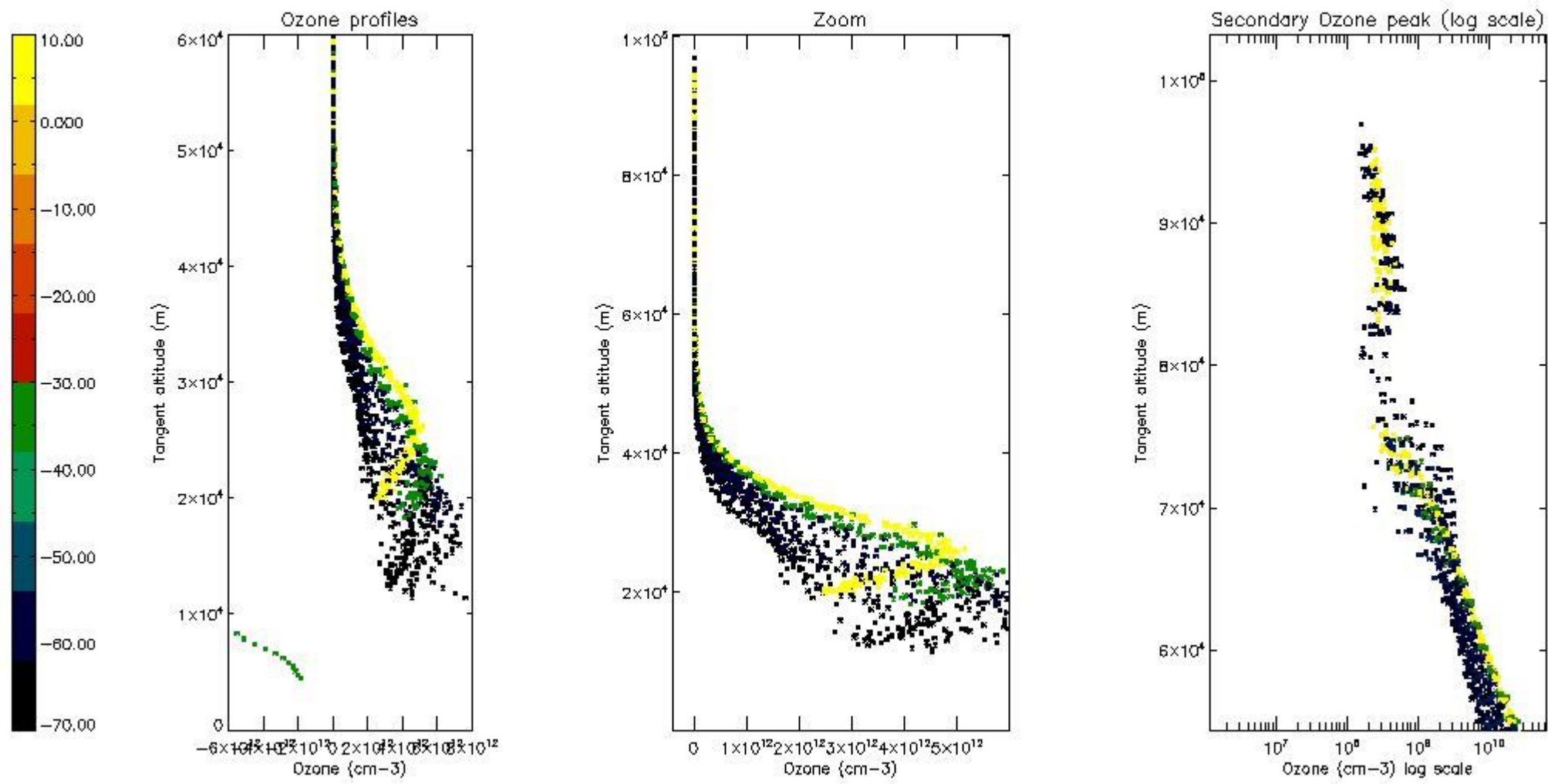
The colorbar represents the latitude.



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

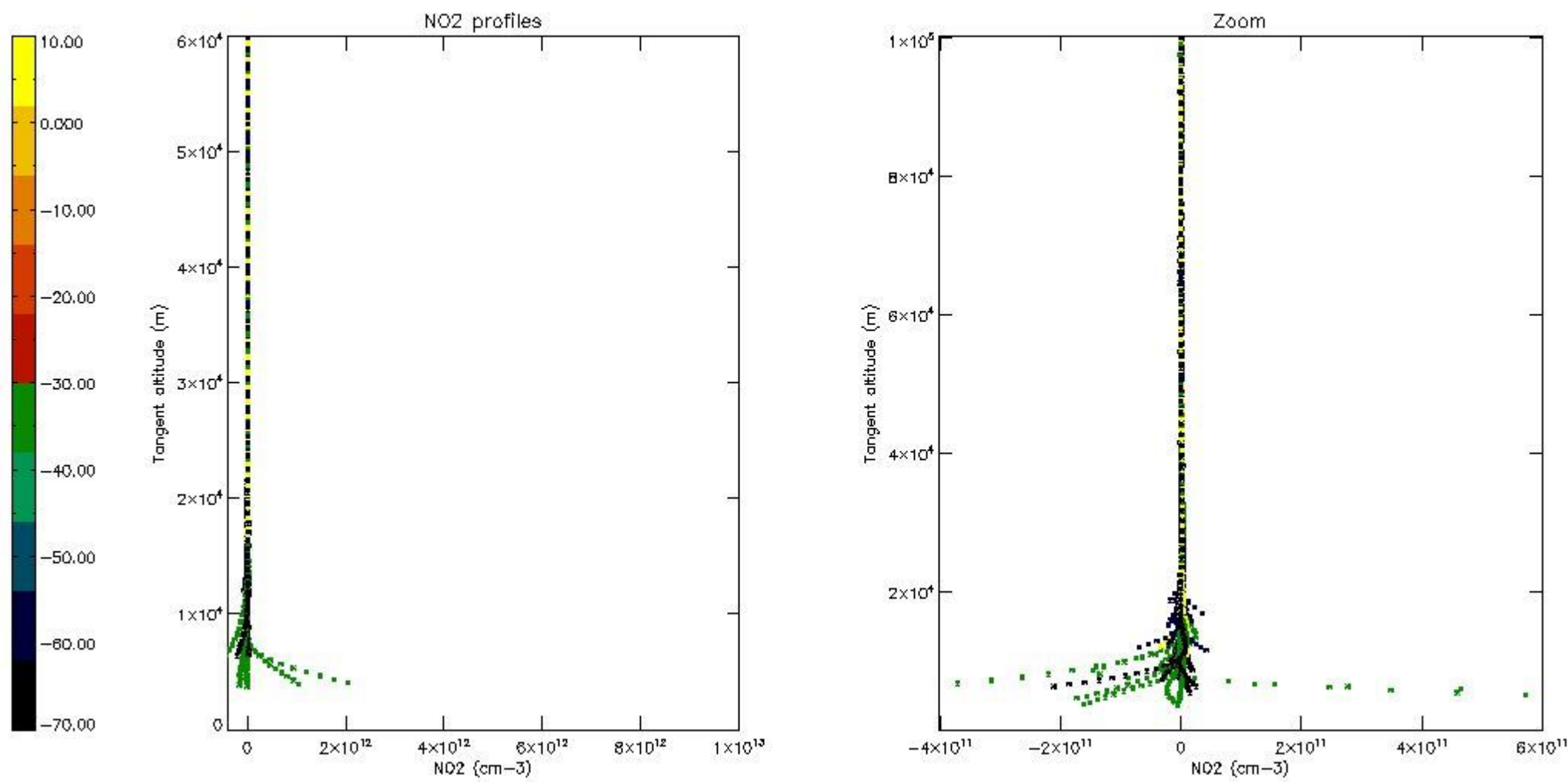
The colorbar represents the latitude.





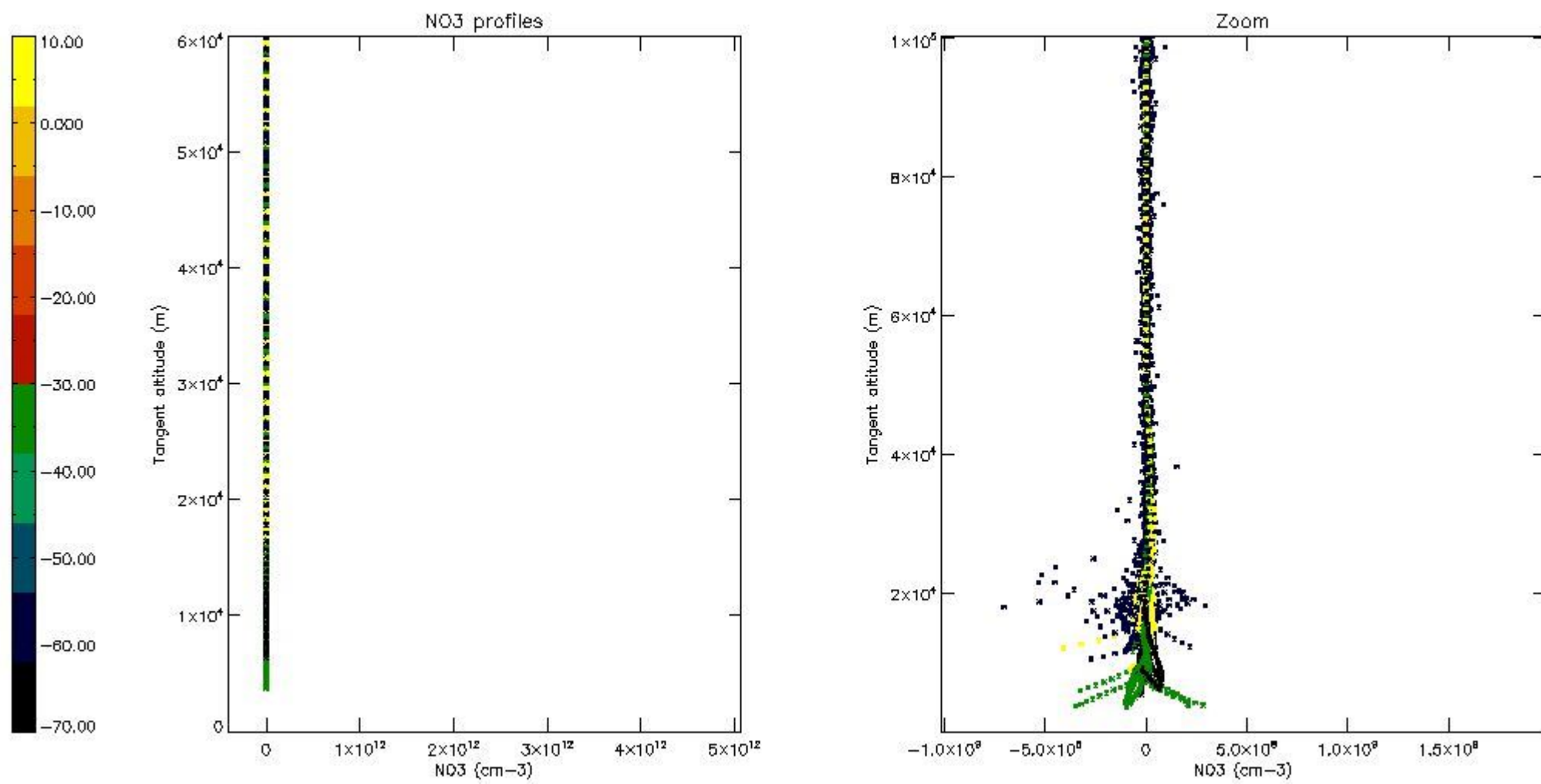
*5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)*

The colorbar represents the latitude.



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

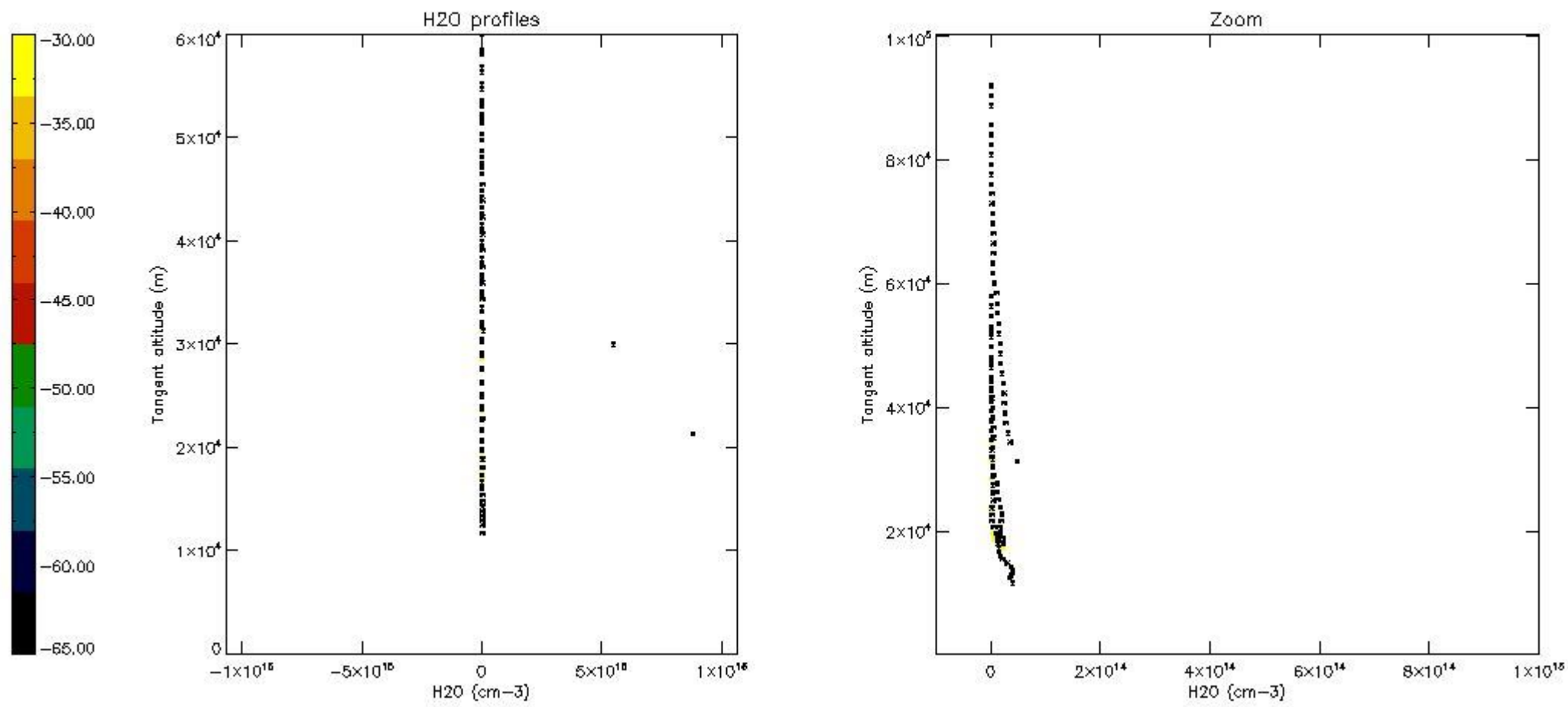
The colorbar represents the latitude.



5.8 Plot H<sub>2</sub>O profiles for all STD (only for occultations of stars 1,2,3,4,13,14,16,26,63 dark without errors)

The colorbar represents the latitude.





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

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

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	19-AUG-2007 00:00:08
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	19-AUG-2007 00:00:08
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	19-AUG-2007 00:00:08

# GOMOS Level 2 Daily Report

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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 \(dark without errors\)](#)

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#### [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	23APR2013 01:00:54
Data source version	GOMOS/6.01
Start time of products	19-08-2007 (19AUG2007 00:00:00)
Stop time of products	20-08-2007 (20AUG2007 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	227
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__2PRFIN20070819_000008_000000352060_00474_28584_8845.N1	19-AUG-2007 00:00:08	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	28584	No
2	GOM_NL__2PRFIN20070819_001902_000000392060_00474_28584_8846.N1	19-AUG-2007 00:19:02	Bright	39.000	170	27Eps Gem	3.0000	9700.0	78	28584	No
3	GOM_NL__2PRFIN20070819_002141_000000452060_00474_28584_8847.N1	19-AUG-2007 00:21:41	Twilight	44.500	44	24Gam Gem	1.9280	11000.	89	28584	No
4	GOM_NL__2PRFIN20070819_003052_000000472060_00474_28584_8848.N1	19-AUG-2007 00:30:52	Dark	47.000	1	9Alp CMa	-1.4400	11000.	94	28584	No
5	GOM_NL__2PRFIN20070819_003354_000000402060_00474_28584_8849.N1	19-AUG-2007 00:33:54	Dark	39.500	23	21Eps CMa	1.5020	26000.	79	28584	No
6	GOM_NL__2PRFIN20070819_004044_000000492060_00474_28584_8850.N1	19-AUG-2007 00:40:44	Dark	49.000	2	Alp Car	-0.73600	7000.0	98	28584	No
7	GOM_NL__2PRFIN20070819_005127_000000492060_00475_28585_8848.N1	19-AUG-2007 00:51:27	Dark	48.500	9	Alp Eri	0.45300	24000.	97	28585	No
8	GOM_NL__2PRFIN20070819_005659_000000422060_00475_28585_8849.N1	19-AUG-2007 00:56:59	Straylight	42.000	148	Alp Tuc	2.8780	4100.0	84	28585	No
9	GOM_NL__2PRFIN20070819_010034_000000392060_00475_28585_8850.N1	19-AUG-2007 01:00:34	Straylight	39.000	31	Alp Gru	1.7340	15200.	78	28585	No
10	GOM_NL__2PRFIN20070819_010331_000000412060_00475_28585_8851.N1	19-AUG-2007 01:03:31	Straylight	40.500	172	Gam Gru	3.0030	13100.	81	28585	No
11	GOM_NL__2PRFIN20070819_011756_000000352060_00475_28585_8852.N1	19-AUG-2007 01:17:56	Bright	35.000	11	53Alp Aql	0.76500	8000.0	70	28585	No
12	GOM_NL__2PRFIN20070819_012503_000000372060_00475_28585_8853.N1	19-AUG-2007 01:25:03	Bright	37.000	92	53Eps Cyg	2.5000	4500.0	74	28585	No
13	GOM_NL__2PRFIN20070819_012641_000000382060_00475_28585_8854.N1	19-AUG-2007 01:26:41	Bright	37.500	66	37Gam Cyg	2.2080	5900.0	75	28585	No
14	GOM_NL__2PRFIN20070819_012803_000000342060_00475_28585_8855.N1	19-AUG-2007 01:28:03	Bright	34.000	144	18Del Cyg	2.8600	11000.	68	28585	No
15	GOM_NL__2PRFIN20070819_013334_000000342060_00475_28585_8856.N1	19-AUG-2007 01:33:34	Bright	34.000	89	5Alp Cep	2.4510	8000.0	68	28585	No
16	GOM_NL__2PRFIN20070819_014044_000000362060_00475_28585_8857.N1	19-AUG-2007 01:40:44	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	28585	No
17	GOM_NL__2PRFIN20070819_015938_000000392060_00475_28585_8858.N1	19-AUG-2007 01:59:38	Bright	38.500	170	27Eps Gem	3.0000	9700.0	77	28585	No
18	GOM_NL__2PRFIN20070819_020217_000000402060_00475_28585_8859.N1	19-AUG-2007 02:02:17	Twilight	39.500	44	24Gam Gem	1.9280	11000.	79	28585	No
19	GOM_NL__2PRFIN20070819_021128_000000362060_00475_28585_8860.N1	19-AUG-2007 02:11:28	Dark	36.000	1	9Alp CMa	-1.4400	11000.	72	28585	No
20	GOM_NL__2PRFIN20070819_021303_000000382060_00475_28585_8861.N1	19-AUG-2007 02:13:03	Dark	37.500	179	24Omi2CMa	3.0320	24000.	75	28585	No
21	GOM_NL__2PRFIN20070819_021430_000000402060_00475_28585_8862.N1	19-AUG-2007 02:14:30	Dark	40.000	23	21Eps CMa	1.5020	26000.	80	28585	No
22	GOM_NL__2PRFIN20070819_022120_000000452060_00475_28585_8863.N1	19-AUG-2007 02:21:20	Dark	44.500	2	Alp Car	-0.73600	7000.0	89	28585	No
23	GOM_NL__2PRFIN20070819_023203_000000462060_00476_28586_8862.N1	19-AUG-2007 02:32:03	Dark	46.000	9	Alp Eri	0.45300	24000.	92	28586	No
24	GOM_NL__2PRFIN20070819_023735_000000422060_00476_28586_8863.N1	19-AUG-2007 02:37:35	Straylight	42.000	148	Alp Tuc	2.8780	4100.0	84	28586	No
25	GOM_NL__2PRFIN20070819_024110_000000412060_00476_28586_8864.N1	19-AUG-2007 02:41:10	Straylight	40.500	31	Alp Gru	1.7340	15200.	81	28586	No
26	GOM_NL__2PRFIN20070819_024407_000000402060_00476_28586_8865.N1	19-AUG-2007 02:44:07	Straylight	39.500	172	Gam Gru	3.0030	13100.	79	28586	No
27	GOM_NL__2PRFIN20070819_025832_000000372060_00476_28586_8866.N1	19-AUG-2007 02:58:32	Bright	36.500	11	53Alp Aql	0.76500	8000.0	73	28586	No
28	GOM_NL__2PRFIN20070819_030539_000000362060_00476_28586_8867.N1	19-AUG-2007 03:05:39	Bright	35.500	92	53Eps Cyg	2.5000	4500.0	71	28586	No
29	GOM_NL__2PRFIN20070819_030717_000000352060_00476_28586_8868.N1	19-AUG-2007 03:07:17	Bright	35.000	66	37Gam Cyg	2.2080	5900.0	70	28586	No
30	GOM_NL__2PRFIN20070819_030839_000000342060_00476_28586_8869.N1	19-AUG-2007 03:08:39	Bright	34.000	144	18Del Cyg	2.8600	11000.	68	28586	No
31	GOM_NL__2PRFIN20070819_031410_000000382060_00476_28586_8870.N1	19-AUG-2007 03:14:10	Bright	37.500	89	5Alp Cep	2.4510	8000.0	75	28586	No
32	GOM_NL__2PRFIN20070819_032120_000000332060_00476_28586_8871.N1	19-AUG-2007 03:21:20	Bright	32.500	49	1Alp UMi	1.9900	6300.0	65	28586	No
33	GOM_NL__2PRFIN20070819_034014_000000382060_00476_28586_8872.N1	19-AUG-2007 03:40:14	Bright	38.000	170	27Eps Gem	3.0000	9700.0	76	28586	No
34	GOM_NL__2PRFIN20070819_034254_000000422060_00476_28586_8873.N1	19-AUG-2007 03:42:54	Twilight	41.500	44	24Gam Gem	1.9280	11000.	83	28586	No
35	GOM_NL__2PRFIN20070819_035204_000000452060_00476_28586_8874.N1	19-AUG-2007 03:52:04	Dark	44.500	1	9Alp CMa	-1.4400	11000.	89	28586	No
36	GOM_NL__2PRFIN20070819_035339_000000382060_00476_28586_8875.N1	19-AUG-2007 03:53:39	Dark	38.000	179	24Omi2CMa	3.0320	24000.	76	28586	No
37	GOM_NL__2PRFIN20070819_035506_000000392060_00476_28586_8876.N1	19-AUG-2007 03:55:06	Dark	38.500	23	21Eps CMa	1.5020	26000.	77	28586	No
38	GOM_NL__2PRFIN20070819_040157_000000432060_00476_28586_8877.N1	19-AUG-2007 04:01:57	Dark	43.000	2	Alp Car	-0.73600	7000.0	86	28586	No
39	GOM_NL__2PRFIN20070819_041240_000000482060_00477_28587_8876.N1	19-AUG-2007 04:12:40	Dark	48.000	9	Alp Eri	0.45300	24000.	96	28587	No
40	GOM_NL__2PRFIN20070819_041812_000000452060_00477_28587_8877.N1	19-AUG-2007 04:18:12	Straylight	45.000	148	Alp Tuc	2.8780	4100.0	90	28587	No
41	GOM_NL__2PRFIN20070819_042147_000000432060_00477_28587_8878.N1	19-AUG-2007 04:21:47	Straylight	43.000	31	Alp Gru	1.7340	15200.	86	28587	No
42	GOM_NL__2PRFIN20070819_042444_000000382060_00477_28587_8879.N1	19-AUG-2007 04:24:44	Straylight	37.500	172	Gam Gru	3.0030	13100.	75	28587	No



43	GOM_NL__2PRFIN20070819_043909_000000372060_00477_28587_8880.N1	19-AUG-2007 04:39:09	Bright	37.000	11	53Alp Aql	0.76500	8000.0	74	28587	No
44	GOM_NL__2PRFIN20070819_044615_000000392060_00477_28587_8881.N1	19-AUG-2007 04:46:15	Bright	39.000	92	53Eps Cyg	2.5000	4500.0	78	28587	No
45	GOM_NL__2PRFIN20070819_044753_000000372060_00477_28587_8882.N1	19-AUG-2007 04:47:53	Bright	37.000	66	37Gam Cyg	2.2080	5900.0	74	28587	No
46	GOM_NL__2PRFIN20070819_044915_000000352060_00477_28587_8883.N1	19-AUG-2007 04:49:15	Bright	35.000	144	18Del Cyg	2.8600	11000.	70	28587	No
47	GOM_NL__2PRFIN20070819_045446_000000372060_00477_28587_8884.N1	19-AUG-2007 04:54:46	Bright	36.500	89	5Alp Cep	2.4510	8000.0	73	28587	No
48	GOM_NL__2PRFIN20070819_050156_000000352060_00477_28587_8885.N1	19-AUG-2007 05:01:56	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	28587	No
49	GOM_NL__2PRFIN20070819_052051_000000552060_00477_28587_8886.N1	19-AUG-2007 05:20:51	Bright	54.500	170	27Eps Gem	3.0000	9700.0	109	28587	No
50	GOM_NL__2PRFIN20070819_052330_000000432060_00477_28587_8887.N1	19-AUG-2007 05:23:30	Twilight	42.500	44	24Gam Gem	1.9280	11000.	85	28587	No
51	GOM_NL__2PRFIN20070819_053241_000000492060_00477_28587_8888.N1	19-AUG-2007 05:32:41	Dark	48.500	1	9Alp CMa	-1.4400	11000.	97	28587	No
52	GOM_NL__2PRFIN20070819_053415_000000392060_00477_28587_8889.N1	19-AUG-2007 05:34:15	Dark	38.500	179	24Omi2CMa	3.0320	24000.	77	28587	No
53	GOM_NL__2PRFIN20070819_053543_000000442060_00477_28587_8890.N1	19-AUG-2007 05:35:43	Dark	43.500	23	21Eps CMa	1.5020	26000.	87	28587	No
54	GOM_NL__2PRFIN20070819_054233_000000432060_00477_28587_8891.N1	19-AUG-2007 05:42:33	Dark	43.000	2	Alp Car	-0.73600	7000.0	86	28587	No
55	GOM_NL__2PRFIN20070819_055317_000000432060_00478_28588_8886.N1	19-AUG-2007 05:53:17	Dark	42.500	9	Alp Eri	0.45300	24000.	85	28588	No
56	GOM_NL__2PRFIN20070819_055848_000000392060_00478_28588_8887.N1	19-AUG-2007 05:58:48	Straylight	38.500	148	Alp Tuc	2.8780	4100.0	77	28588	No
57	GOM_NL__2PRFIN20070819_060223_000000402060_00478_28588_8888.N1	19-AUG-2007 06:02:23	Straylight	40.000	31	Alp Gru	1.7340	15200.	80	28588	No
58	GOM_NL__2PRFIN20070819_060520_000000402060_00478_28588_8889.N1	19-AUG-2007 06:05:20	Straylight	39.500	172	Gam Gru	3.0030	13100.	79	28588	No
59	GOM_NL__2PRFIN20070819_061945_000000362060_00478_28588_8890.N1	19-AUG-2007 06:19:45	Bright	35.500	11	53Alp Aql	0.76500	8000.0	71	28588	No
60	GOM_NL__2PRFIN20070819_062651_000000382060_00478_28588_8891.N1	19-AUG-2007 06:26:51	Bright	38.000	92	53Eps Cyg	2.5000	4500.0	76	28588	No
61	GOM_NL__2PRFIN20070819_062829_000000382060_00478_28588_8892.N1	19-AUG-2007 06:28:29	Bright	38.000	66	37Gam Cyg	2.2080	5900.0	76	28588	No
62	GOM_NL__2PRFIN20070819_062951_000000362060_00478_28588_8893.N1	19-AUG-2007 06:29:51	Bright	35.500	144	18Del Cyg	2.8600	11000.	71	28588	No
63	GOM_NL__2PRFIN20070819_063521_000000382060_00478_28588_8894.N1	19-AUG-2007 06:35:21	Bright	37.500	89	5Alp Cep	2.4510	8000.0	75	28588	No
64	GOM_NL__2PRFIN20070819_064232_000000362060_00478_28588_8895.N1	19-AUG-2007 06:42:32	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	28588	No
65	GOM_NL__2PRFIN20070819_070127_000000362060_00478_28588_8896.N1	19-AUG-2007 07:01:27	Bright	35.500	170	27Eps Gem	3.0000	9700.0	71	28588	No
66	GOM_NL__2PRFIN20070819_070406_000000382060_00478_28588_8897.N1	19-AUG-2007 07:04:06	Twilight	37.500	44	24Gam Gem	1.9280	11000.	75	28588	No
67	GOM_NL__2PRFIN20070819_071317_000000492060_00478_28588_8898.N1	19-AUG-2007 07:13:17	Dark	48.500	1	9Alp CMa	-1.4400	11000.	97	28588	No
68	GOM_NL__2PRFIN20070819_071452_000000392060_00478_28588_8899.N1	19-AUG-2007 07:14:52	Dark	38.500	179	24Omi2CMa	3.0320	24000.	77	28588	No
69	GOM_NL__2PRFIN20070819_071619_000000422060_00478_28588_8900.N1	19-AUG-2007 07:16:19	Dark	42.000	23	21Eps CMa	1.5020	26000.	84	28588	No
70	GOM_NL__2PRFIN20070819_072309_000000422060_00478_28588_8901.N1	19-AUG-2007 07:23:09	Dark	42.000	2	Alp Car	-0.73600	7000.0	84	28588	No
71	GOM_NL__2PRFIN20070819_073353_000000442060_00479_28589_8932.N1	19-AUG-2007 07:33:53	Dark	44.000	9	Alp Eri	0.45300	24000.	88	28589	No
72	GOM_NL__2PRFIN20070819_073924_000000392060_00479_28589_8933.N1	19-AUG-2007 07:39:24	Straylight	38.500	148	Alp Tuc	2.8780	4100.0	77	28589	No
73	GOM_NL__2PRFIN20070819_074259_000000422060_00479_28589_8934.N1	19-AUG-2007 07:42:59	Straylight	42.000	31	Alp Gru	1.7340	15200.	84	28589	No
74	GOM_NL__2PRFIN20070819_074556_000000392060_00479_28589_8935.N1	19-AUG-2007 07:45:56	Straylight	38.500	172	Gam Gru	3.0030	13100.	77	28589	No
75	GOM_NL__2PRFIN20070819_080021_000000372060_00479_28589_8936.N1	19-AUG-2007 08:00:21	Bright	37.000	11	53Alp Aql	0.76500	8000.0	74	28589	No
76	GOM_NL__2PRFIN20070819_080727_000000382060_00479_28589_8937.N1	19-AUG-2007 08:07:27	Bright	37.500	92	53Eps Cyg	2.5000	4500.0	75	28589	No
77	GOM_NL__2PRFIN20070819_080905_000000362060_00479_28589_8938.N1	19-AUG-2007 08:09:05	Bright	36.000	66	37Gam Cyg	2.2080	5900.0	72	28589	No
78	GOM_NL__2PRFIN20070819_081027_000000372060_00479_28589_8939.N1	19-AUG-2007 08:10:27	Bright	36.500	144	18Del Cyg	2.8600	11000.	73	28589	No
79	GOM_NL__2PRFIN20070819_081557_000000372060_00479_28589_8940.N1	19-AUG-2007 08:15:57	Bright	36.500	89	5Alp Cep	2.4510	8000.0	73	28589	No
80	GOM_NL__2PRFIN20070819_082308_000000352060_00479_28589_8941.N1	19-AUG-2007 08:23:08	Bright	34.500	49	1Alp UMi	1.9900	6300.0	69	28589	No
81	GOM_NL__2PRFIN20070819_084203_000000552060_00479_28589_8942.N1	19-AUG-2007 08:42:03	Bright	55.000	170	27Eps Gem	3.0000	9700.0	110	28589	No
82	GOM_NL__2PRFIN20070819_084442_000000372060_00479_28589_8943.N1	19-AUG-2007 08:44:42	Twilight	36.500	44	24Gam Gem	1.9280	11000.	73	28589	No
83	GOM_NL__2PRFIN20070819_085354_000000522060_00479_28589_8944.N1	19-AUG-2007 08:53:54	Dark	51.500	1	9Alp CMa	-1.4400	11000.	103	28589	No
84	GOM_NL__2PRFIN20070819_085528_000000382060_00479_28589_8945.N1	19-AUG-2007 08:55:28	Dark	38.000	179	24Omi2CMa	3.0320	24000.	76	28589	No
85	GOM_NL__2PRFIN20070819_085655_000000422060_00479_28589_8946.N1	19-AUG-2007 08:56:55	Dark	41.500	23	21Eps CMa	1.5020	26000.	83	28589	No
86	GOM_NL__2PRFIN20070819_090346_000000522060_00479_28589_8947.N1	19-AUG-2007 09:03:46	Dark	52.000	2	Alp Car	-0.73600	7000.0	104	28589	No
87	GOM_NL__2PRFIN20070819_091430_000000472060_00480_28590_8945.N1	19-AUG-2007 09:14:30	Dark	47.000	9	Alp Eri	0.45300	24000.	94	28590	No
88	GOM_NL__2PRFIN20070819_092001_000000412060_00480_28590_8946.N1	19-AUG-2007 09:20:01	Straylight	40.500	148	Alp Tuc	2.8780	4100.0	81	28590	No
89	GOM_NL__2PRFIN20070819_092336_000000422060_00480_28590_8947.N1	19-AUG-2007 09:23:36	Straylight	42.000	31	Alp Gru	1.7340	15200.	84	28590	No
90	GOM_NL__2PRFIN20070819_092632_000000402060_00480_28590_8948.N1	19-AUG-2007 09:26:32	Straylight	39.500	172	Gam Gru	3.0030	13100.	79	28590	No
91	GOM_NL__2PRFIN20070819_094057_000000372060_00480_28590_8949.N1	19-AUG-2007 09:40:57	Bright	36.500	11	53Alp Aql	0.76500	8000.0	73	28590	No
92	GOM_NL__2PRFIN20070819_094802_000000362060_00480_28590_8950.N1	19-AUG-2007 09:48:02	Bright	36.000	92	53Eps Cyg	2.5000	4500.0	72	28590	No
93	GOM_NL__2PRFIN20070819_094941_000000362060_00480_28590_8951.N1	19-AUG-2007 09:49:41	Bright	36.000	66	37Gam Cyg	2.2080	5900.0	72	28590	No
94	GOM_NL__2PRFIN20070819_095103_000000342060_00480_28590_8952.N1	19-AUG-2007 09:51:03	Bright	34.000	144	18Del Cyg	2.8600	11000.	68	28590	No
95	GOM_NL__2PRFIN20070819_095633_000000382060_00480_28590_8953.N1	19-AUG-2007 09:56:33	Bright	37.500	89	5Alp Cep	2.4510	8000.0	75	28590	No
96	GOM_NL__2PRFIN20070819_100344_000000362060_00480_28590_8954.N1	19-AUG-2007 10:03:44	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	28590	No
97	GOM_NL__2PRFIN20070819_102239_000000352060_00480_28590_8955.N1	19-AUG-2007 10:22:39	Bright	35.000	170	27Eps Gem	3.0000	9700.0	70	28590	No
98	GOM_NL__2PRFIN20070819_102518_000000412060_00480_28590_8956.N1	19-AUG-2007 10:25:18	Twilight	41.000	44	24Gam Gem	1.9280	11000.	82	28590	No
99	GOM_NL__2PRFIN20070819_103430_000000432060_00480_28590_8957.N1	19-AUG-2007 10:34:30	Dark	43.000	1	9Alp CMa	-1.4400	11000.	86	28590	No
100	GOM_NL__2PRFIN20070819_103604_000000392060_00480_28590_8958.N1	19-AUG-2007 10:36:04	Dark	38.500	179	24Omi2CMa	3.0320	24000.	77	28590	No
101	GOM_NL__2PRFIN20070819_103731_000000412060_00480_28590_8959.N1	19-AUG-2007 10:37:31	Dark	40.500	23	21Eps CMa	1.5020	26000.	81	28590	No

102	GOM_NL__2PRFIN20070819_104422_000000442060_00480_28590_8960.N1	19-AUG-2007 10:44:22	Dark	44.000	2	Alp Car	-0.73600	7000.0	88	28590	No
103	GOM_NL__2PRFIN20070819_105506_000000512060_00481_28591_8959.N1	19-AUG-2007 10:55:06	Dark	51.000	9	Alp Eri	0.45300	24000.	102	28591	No
104	GOM_NL__2PRFIN20070819_110037_000000382060_00481_28591_8960.N1	19-AUG-2007 11:00:37	Straylight	38.000	148	Alp Tuc	2.8780	4100.0	76	28591	No
105	GOM_NL__2PRFIN20070819_110412_000000412060_00481_28591_8961.N1	19-AUG-2007 11:04:12	Straylight	40.500	31	Alp Gru	1.7340	15200.	81	28591	No
106	GOM_NL__2PRFIN20070819_110708_000000392060_00481_28591_8962.N1	19-AUG-2007 11:07:08	Straylight	39.000	172	Gam Gru	3.0030	13100.	78	28591	No
107	GOM_NL__2PRFIN20070819_112133_000000352060_00481_28591_8963.N1	19-AUG-2007 11:21:33	Bright	35.000	11	53Alp Aql	0.76500	8000.0	70	28591	No
108	GOM_NL__2PRFIN20070819_112838_000000372060_00481_28591_8964.N1	19-AUG-2007 11:28:38	Bright	36.500	92	53Eps Cyg	2.5000	4500.0	73	28591	No
109	GOM_NL__2PRFIN20070819_113017_000000352060_00481_28591_8965.N1	19-AUG-2007 11:30:17	Bright	34.500	66	37Gam Cyg	2.2080	5900.0	69	28591	No
110	GOM_NL__2PRFIN20070819_113139_000000352060_00481_28591_8966.N1	19-AUG-2007 11:31:39	Bright	34.500	144	18Del Cyg	2.8600	11000.	69	28591	No
111	GOM_NL__2PRFIN20070819_113708_000000382060_00481_28591_8967.N1	19-AUG-2007 11:37:08	Bright	37.500	89	5Alp Cep	2.4510	8000.0	75	28591	No
112	GOM_NL__2PRFIN20070819_114420_000000362060_00481_28591_8968.N1	19-AUG-2007 11:44:20	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	28591	No
113	GOM_NL__2PRFIN20070819_120315_000000382060_00481_28591_8969.N1	19-AUG-2007 12:03:15	Bright	38.000	170	27Eps Gem	3.0000	9700.0	76	28591	No
114	GOM_NL__2PRFIN20070819_120554_000000432060_00481_28591_8970.N1	19-AUG-2007 12:05:54	Twilight	43.000	44	24Gam Gem	1.9280	11000.	86	28591	No
115	GOM_NL__2PRFIN20070819_121506_000000462060_00481_28591_8971.N1	19-AUG-2007 12:15:06	Dark	46.000	1	9Alp CMa	-1.4400	11000.	92	28591	No
116	GOM_NL__2PRFIN20070819_121640_000000382060_00481_28591_8972.N1	19-AUG-2007 12:16:40	Dark	37.500	179	24Omi2CMa	3.0320	24000.	75	28591	No
117	GOM_NL__2PRFIN20070819_121808_000000392060_00481_28591_8973.N1	19-AUG-2007 12:18:08	Dark	38.500	23	21Eps CMa	1.5020	26000.	77	28591	No
118	GOM_NL__2PRFIN20070819_122458_000000462060_00481_28591_8974.N1	19-AUG-2007 12:24:58	Dark	45.500	2	Alp Car	-0.73600	7000.0	91	28591	No
119	GOM_NL__2PRFIN20070819_123543_000000472060_00482_28592_8967.N1	19-AUG-2007 12:35:43	Dark	46.500	9	Alp Eri	0.45300	24000.	93	28592	No
120	GOM_NL__2PRFIN20070819_124113_000000382060_00482_28592_8968.N1	19-AUG-2007 12:41:13	Straylight	37.500	148	Alp Tuc	2.8780	4100.0	75	28592	No
121	GOM_NL__2PRFIN20070819_124448_000000432060_00482_28592_8969.N1	19-AUG-2007 12:44:48	Straylight	43.000	31	Alp Gru	1.7340	15200.	86	28592	No
122	GOM_NL__2PRFIN20070819_124745_000000392060_00482_28592_8970.N1	19-AUG-2007 12:47:45	Straylight	38.500	172	Gam Gru	3.0030	13100.	77	28592	No
123	GOM_NL__2PRFIN20070819_130209_000000362060_00482_28592_8971.N1	19-AUG-2007 13:02:09	Bright	36.000	11	53Alp Aql	0.76500	8000.0	72	28592	No
124	GOM_NL__2PRFIN20070819_130914_000000362060_00482_28592_8972.N1	19-AUG-2007 13:09:14	Bright	36.000	92	53Eps Cyg	2.5000	4500.0	72	28592	No
125	GOM_NL__2PRFIN20070819_131053_000000352060_00482_28592_8973.N1	19-AUG-2007 13:10:53	Bright	34.500	66	37Gam Cyg	2.2080	5900.0	69	28592	No
126	GOM_NL__2PRFIN20070819_131215_000000352060_00482_28592_8974.N1	19-AUG-2007 13:12:15	Bright	34.500	144	18Del Cyg	2.8600	11000.	69	28592	No
127	GOM_NL__2PRFIN20070819_131744_000000382060_00482_28592_8975.N1	19-AUG-2007 13:17:44	Bright	37.500	89	5Alp Cep	2.4510	8000.0	75	28592	No
128	GOM_NL__2PRFIN20070819_132456_000000352060_00482_28592_8976.N1	19-AUG-2007 13:24:56	Bright	34.500	49	1Alp UMi	1.9900	6300.0	69	28592	No
129	GOM_NL__2PRFIN20070819_134351_000000412060_00482_28592_8977.N1	19-AUG-2007 13:43:51	Bright	41.000	170	27Eps Gem	3.0000	9700.0	82	28592	No
130	GOM_NL__2PRFIN20070819_134631_000000452060_00482_28592_8978.N1	19-AUG-2007 13:46:31	Twilight	44.500	44	24Gam Gem	1.9280	11000.	89	28592	No
131	GOM_NL__2PRFIN20070819_135542_000000492060_00482_28592_8979.N1	19-AUG-2007 13:55:42	Dark	48.500	1	9Alp CMa	-1.4400	11000.	97	28592	No
132	GOM_NL__2PRFIN20070819_135716_000000372060_00482_28592_8980.N1	19-AUG-2007 13:57:16	Dark	37.000	179	24Omi2CMa	3.0320	24000.	74	28592	No
133	GOM_NL__2PRFIN20070819_135844_000000422060_00482_28592_8981.N1	19-AUG-2007 13:58:44	Dark	42.000	23	21Eps CMa	1.5020	26000.	84	28592	No
134	GOM_NL__2PRFIN20070819_140534_000000442060_00482_28592_8982.N1	19-AUG-2007 14:05:34	Dark	43.500	2	Alp Car	-0.73600	7000.0	87	28592	No
135	GOM_NL__2PRFIN20070819_141619_000000452060_00483_28593_8975.N1	19-AUG-2007 14:16:19	Dark	45.000	9	Alp Eri	0.45300	24000.	90	28593	No
136	GOM_NL__2PRFIN20070819_142149_000000402060_00483_28593_8976.N1	19-AUG-2007 14:21:49	Straylight	40.000	148	Alp Tuc	2.8780	4100.0	80	28593	No
137	GOM_NL__2PRFIN20070819_142524_000000422060_00483_28593_8977.N1	19-AUG-2007 14:25:24	Straylight	42.000	31	Alp Gru	1.7340	15200.	84	28593	No
138	GOM_NL__2PRFIN20070819_142821_000000402060_00483_28593_8978.N1	19-AUG-2007 14:28:21	Straylight	40.000	172	Gam Gru	3.0030	13100.	80	28593	No
139	GOM_NL__2PRFIN20070819_144245_000000342060_00483_28593_8979.N1	19-AUG-2007 14:42:45	Bright	34.000	11	53Alp Aql	0.76500	8000.0	68	28593	No
140	GOM_NL__2PRFIN20070819_144950_000000372060_00483_28593_8980.N1	19-AUG-2007 14:49:50	Bright	37.000	92	53Eps Cyg	2.5000	4500.0	74	28593	No
141	GOM_NL__2PRFIN20070819_145128_000000372060_00483_28593_8981.N1	19-AUG-2007 14:51:28	Bright	37.000	66	37Gam Cyg	2.2080	5900.0	74	28593	No
142	GOM_NL__2PRFIN20070819_145251_000000352060_00483_28593_8982.N1	19-AUG-2007 14:52:51	Bright	34.500	144	18Del Cyg	2.8600	11000.	69	28593	No
143	GOM_NL__2PRFIN20070819_145820_000000392060_00483_28593_8983.N1	19-AUG-2007 14:58:20	Bright	38.500	89	5Alp Cep	2.4510	8000.0	77	28593	No
144	GOM_NL__2PRFIN20070819_150532_000000352060_00483_28593_8984.N1	19-AUG-2007 15:05:32	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	28593	No
145	GOM_NL__2PRFIN20070819_152427_000000402060_00483_28593_8985.N1	19-AUG-2007 15:24:27	Bright	40.000	170	27Eps Gem	3.0000	9700.0	80	28593	No
146	GOM_NL__2PRFIN20070819_152707_000000422060_00483_28593_8986.N1	19-AUG-2007 15:27:07	Twilight	42.000	44	24Gam Gem	1.9280	11000.	84	28593	No
147	GOM_NL__2PRFIN20070819_153619_000000492060_00483_28593_8987.N1	19-AUG-2007 15:36:19	Dark	48.500	1	9Alp CMa	-1.4400	11000.	97	28593	No
148	GOM_NL__2PRFIN20070819_153753_000000392060_00483_28593_8988.N1	19-AUG-2007 15:37:53	Dark	38.500	179	24Omi2CMa	3.0320	24000.	77	28593	No
149	GOM_NL__2PRFIN20070819_153920_000000402060_00483_28593_8989.N1	19-AUG-2007 15:39:20	Dark	39.500	23	21Eps CMa	1.5020	26000.	79	28593	No
150	GOM_NL__2PRFIN20070819_154610_000000522060_00483_28593_8990.N1	19-AUG-2007 15:46:10	Dark	52.000	2	Alp Car	-0.73600	7000.0	104	28593	No
151	GOM_NL__2PRFIN20070819_155656_000000432060_00484_28594_9007.N1	19-AUG-2007 15:56:56	Dark	42.500	9	Alp Eri	0.45300	24000.	85	28594	No
152	GOM_NL__2PRFIN20070819_160226_000000402060_00484_28594_9008.N1	19-AUG-2007 16:02:26	Straylight	39.500	148	Alp Tuc	2.8780	4100.0	79	28594	No
153	GOM_NL__2PRFIN20070819_160601_000000392060_00484_28594_9009.N1	19-AUG-2007 16:06:01	Straylight	39.000	31	Alp Gru	1.7340	15200.	78	28594	No
154	GOM_NL__2PRFIN20070819_160857_000000402060_00484_28594_9010.N1	19-AUG-2007 16:08:57	Straylight	39.500	172	Gam Gru	3.0030	13100.	79	28594	No
155	GOM_NL__2PRFIN20070819_162321_000000352060_00484_28594_9011.N1	19-AUG-2007 16:23:21	Bright	35.000	11	53Alp Aql	0.76500	8000.0	70	28594	No
156	GOM_NL__2PRFIN20070819_163025_000000392060_00484_28594_9012.N1	19-AUG-2007 16:30:25	Bright	39.000	92	53Eps Cyg	2.5000	4500.0	78	28594	No
157	GOM_NL__2PRFIN20070819_163204_000000352060_00484_28594_9013.N1	19-AUG-2007 16:32:04	Bright	34.500	66	37Gam Cyg	2.2080	5900.0	69	28594	No
158	GOM_NL__2PRFIN20070819_163327_000000332060_00484_28594_9014.N1	19-AUG-2007 16:33:27	Bright	32.500	144	18Del Cyg	2.8600	11000.	65	28594	No
159	GOM_NL__2PRFIN20070819_163856_000000362060_00484_28594_9015.N1	19-AUG-2007 16:38:56	Bright	36.000	89	5Alp Cep	2.4510	8000.0	72	28594	No
160	GOM_NL__2PRFIN20070819_164608_000000372060_00484_28594_9016.N1	19-AUG-2007 16:46:08	Bright	37.000	49	1Alp UMi	1.9900	6300.0	74	28594	No



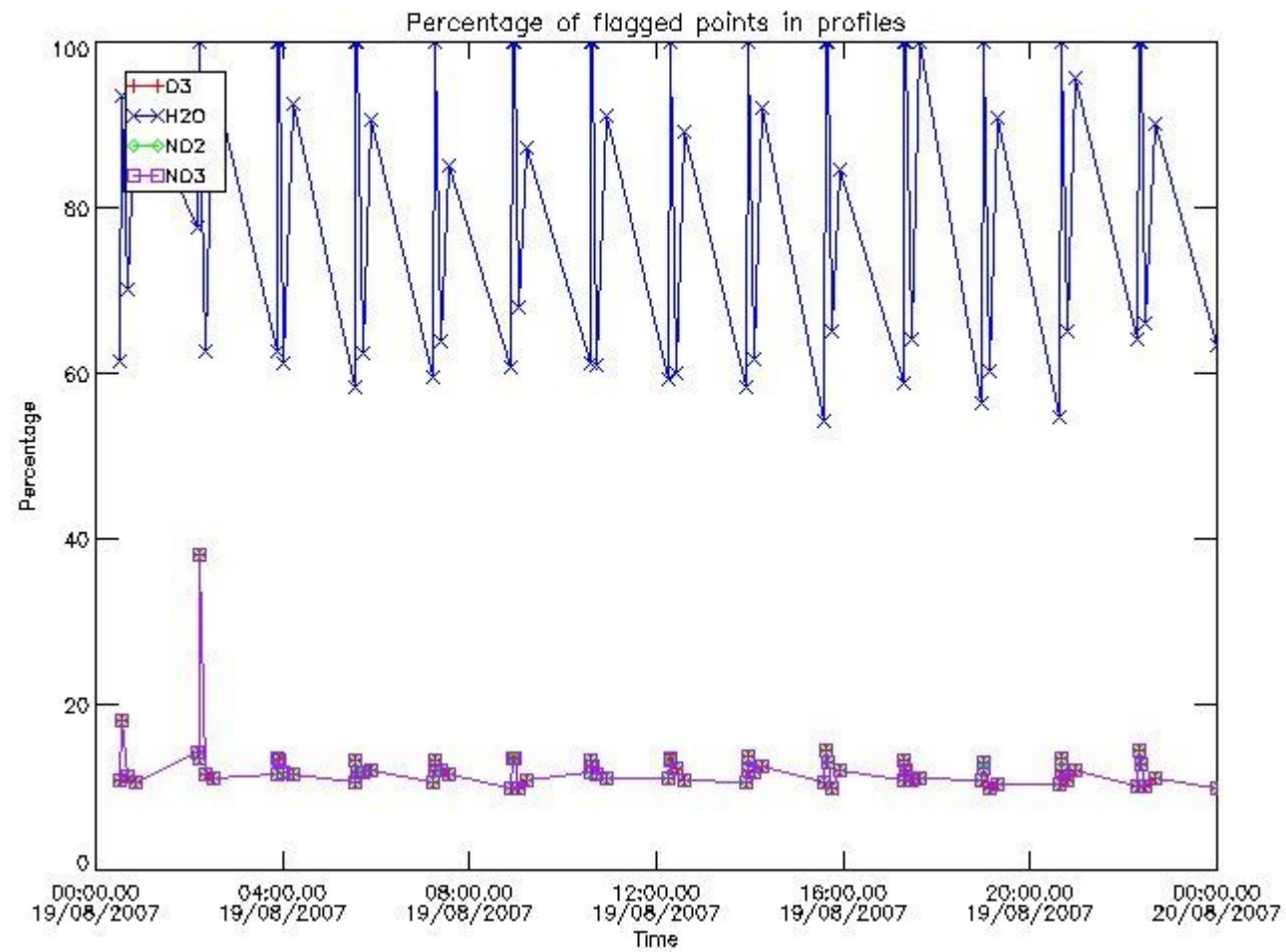


220	GOM_NL__2PRFIN20070819_231248_000000392060_00488_28598_9061.N1	19-AUG-2007 23:12:48	Bright	39.000	92	53Eps Cyg	2.5000	4500.0	78	28598	No
221	GOM_NL__2PRFIN20070819_231428_000000372060_00488_28598_9062.N1	19-AUG-2007 23:14:28	Bright	36.500	66	37Gam Cyg	2.2080	5900.0	73	28598	No
222	GOM_NL__2PRFIN20070819_231551_000000342060_00488_28598_9063.N1	19-AUG-2007 23:15:51	Bright	33.500	144	18Del Cyg	2.8600	11000.	67	28598	No
223	GOM_NL__2PRFIN20070819_232118_000000362060_00488_28598_9064.N1	19-AUG-2007 23:21:18	Bright	36.000	89	5Alp Cep	2.4510	8000.0	72	28598	No
224	GOM_NL__2PRFIN20070819_232831_000000362060_00488_28598_9065.N1	19-AUG-2007 23:28:31	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	28598	No
225	GOM_NL__2PRFIN20070819_234728_000000412060_00488_28598_9066.N1	19-AUG-2007 23:47:28	Bright	41.000	170	27Eps Gem	3.0000	9700.0	82	28598	No
226	GOM_NL__2PRFIN20070819_235008_000000412060_00488_28598_9067.N1	19-AUG-2007 23:50:08	Twilight_stray	41.000	44	24Gam Gem	1.9280	11000.	82	28598	No
227	GOM_NL__2PRFIN20070819_235920_000000512060_00488_28598_9068.N1	19-AUG-2007 23:59:20	Dark	51.000	1	9Alp CMa	-1.4400	11000.	102	28598	No

### 3. Quality information per product

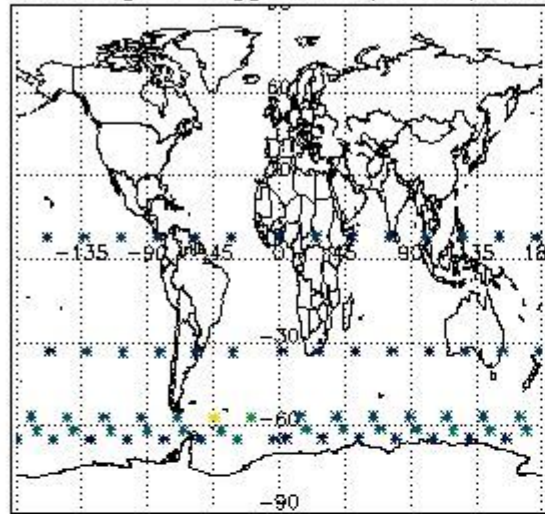
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

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

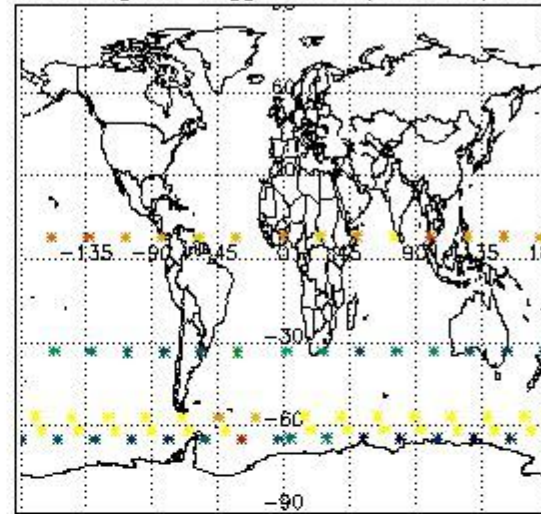


#### 3.2 Plot quality information per product (world map)

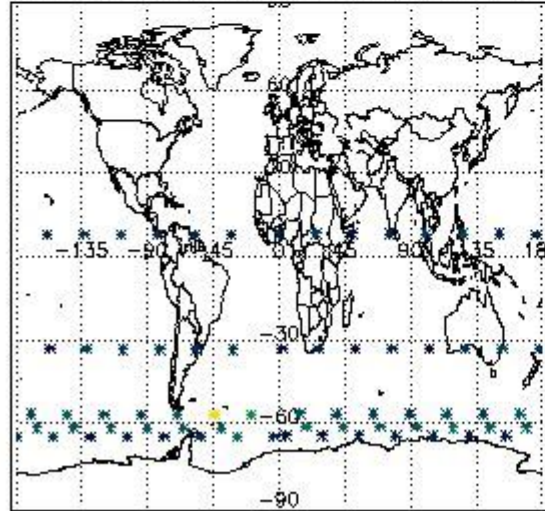
Percentage of flagged data per O3 profile



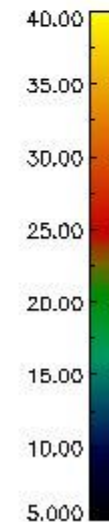
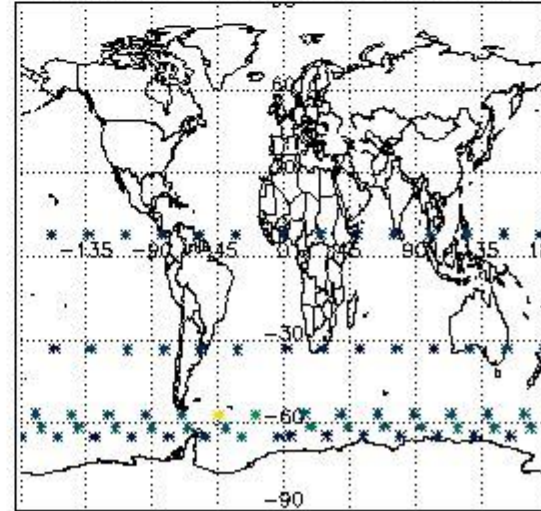
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

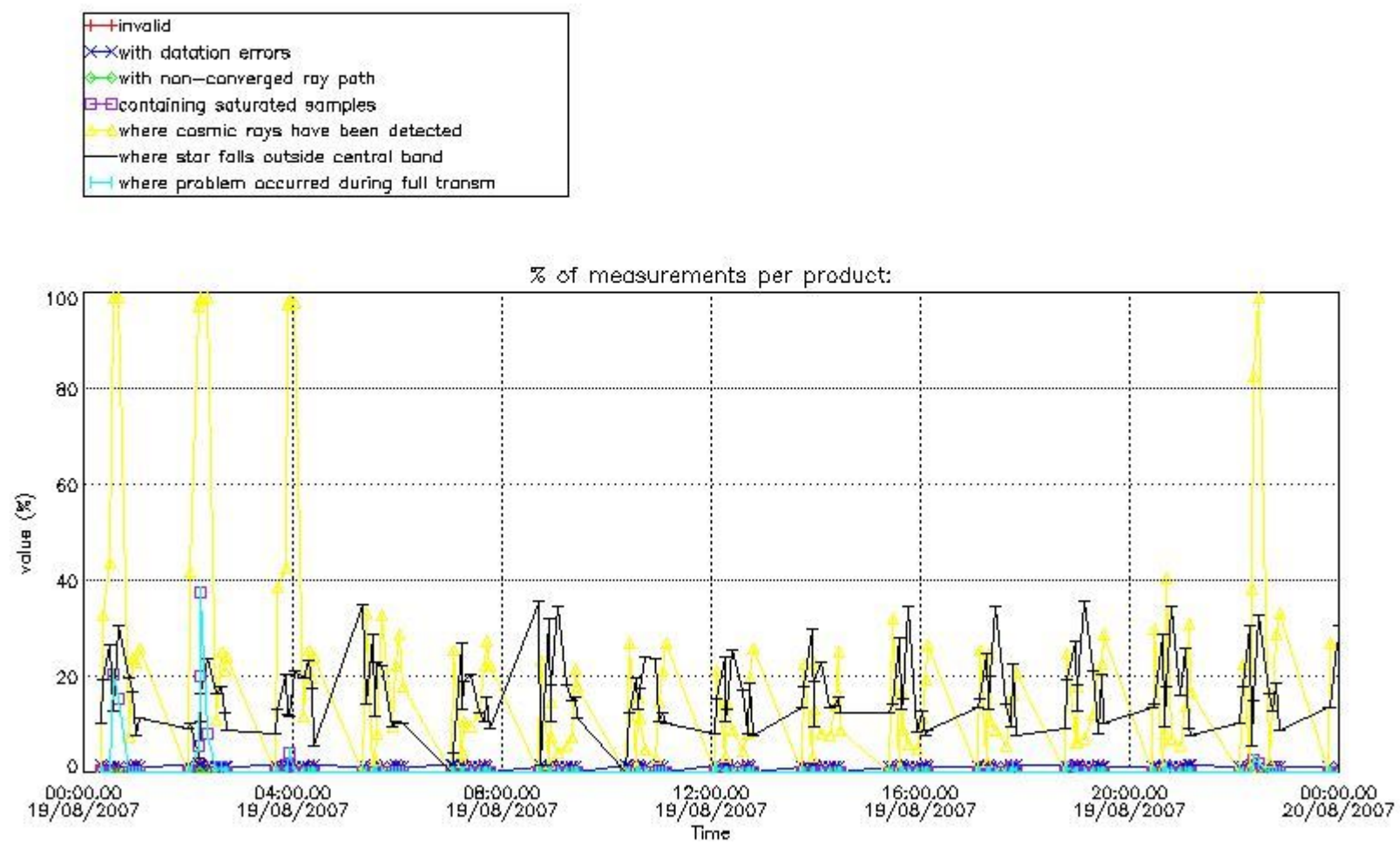


#### 4. Level 1 quality information per product

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.

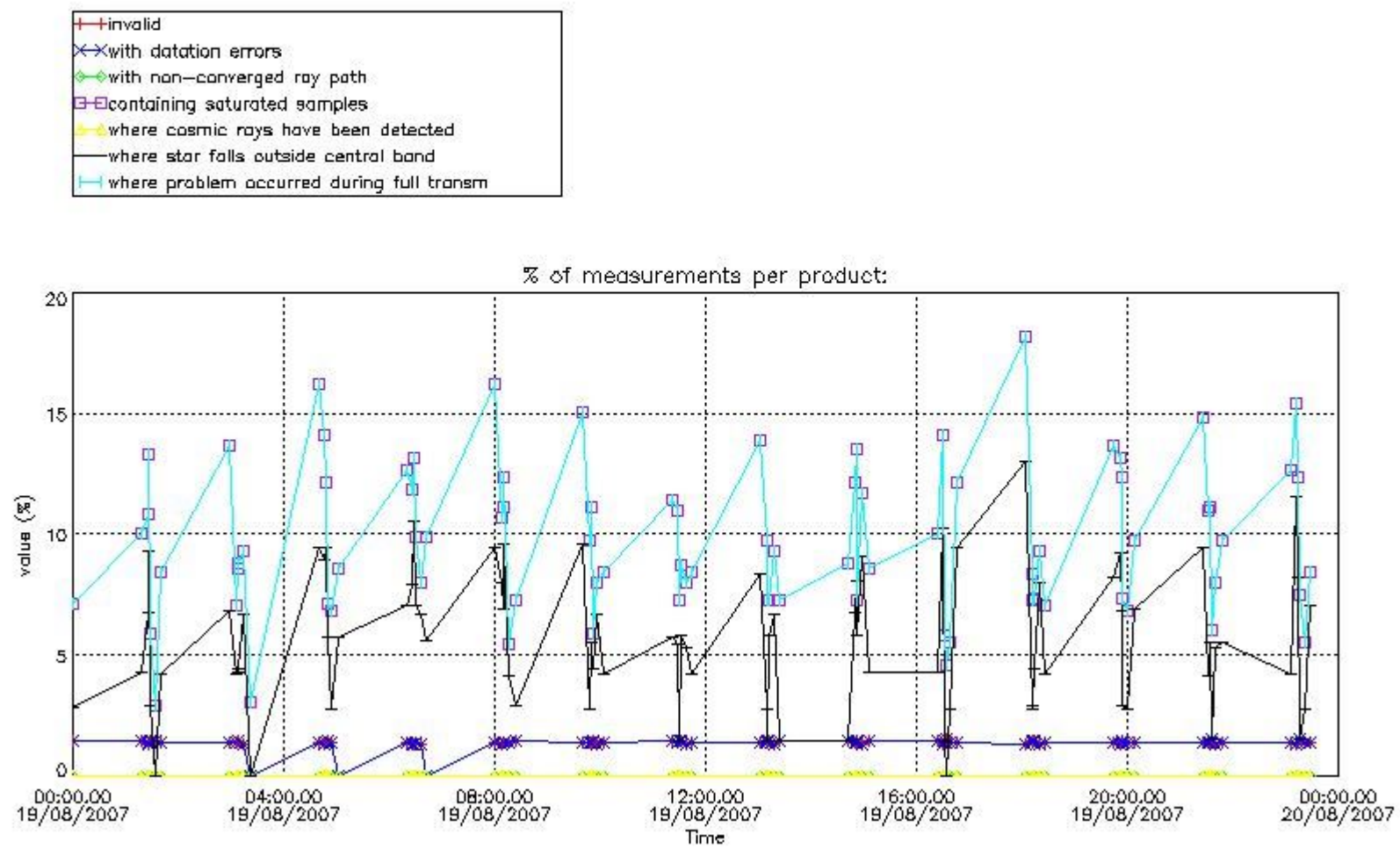
##### 4.1 Plot quality information per product (time dependant) coming from level 1b processing

###### 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

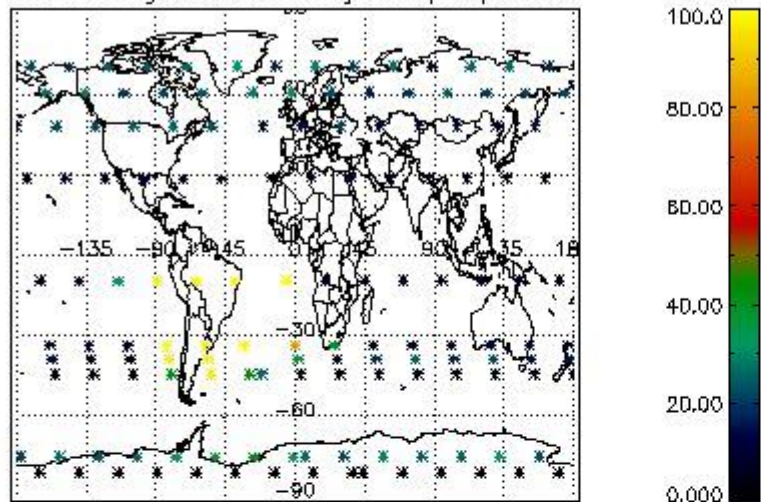




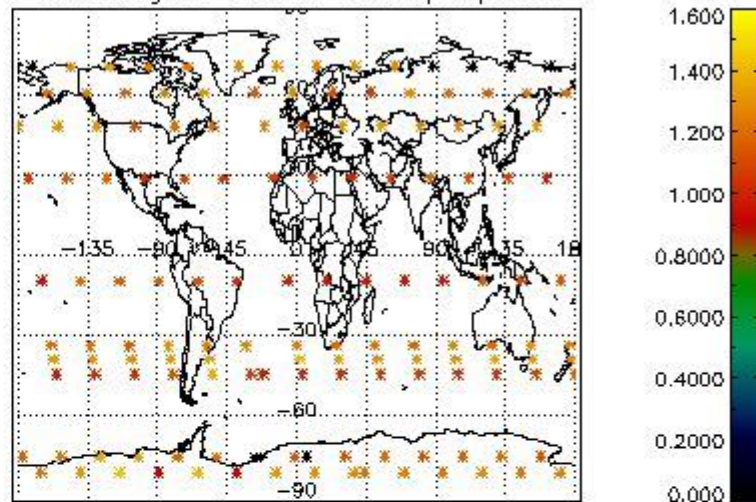
*4.2 Plot quality information per product coming from level 1b processing (world map)*

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

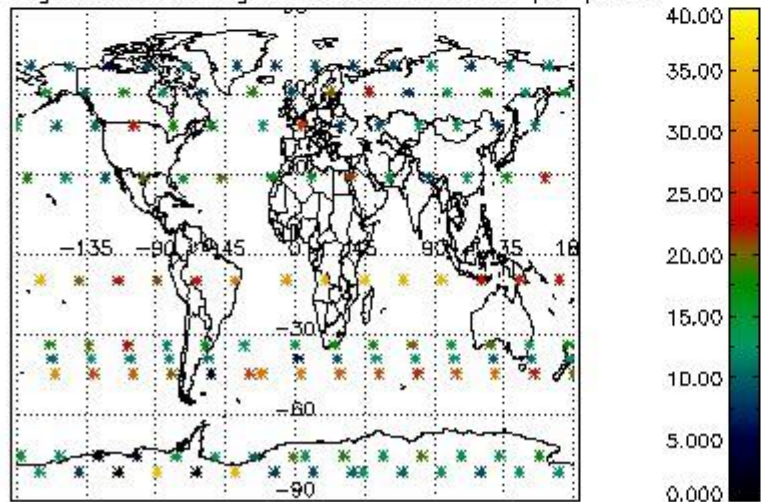
Percentage of cosmic ray hits per profile



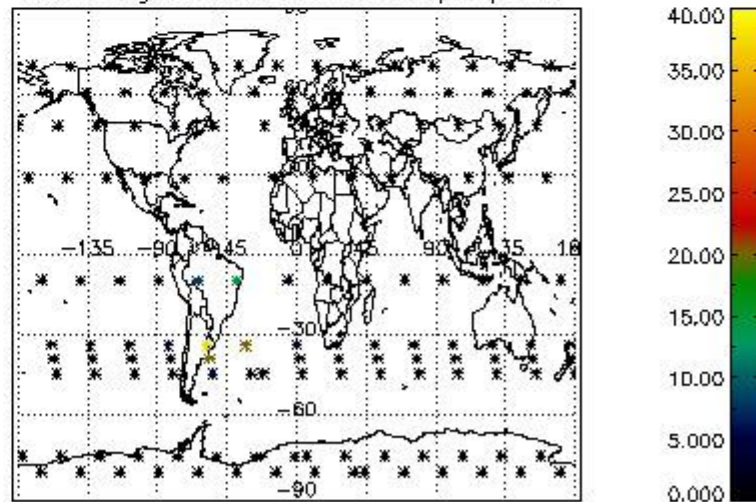
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

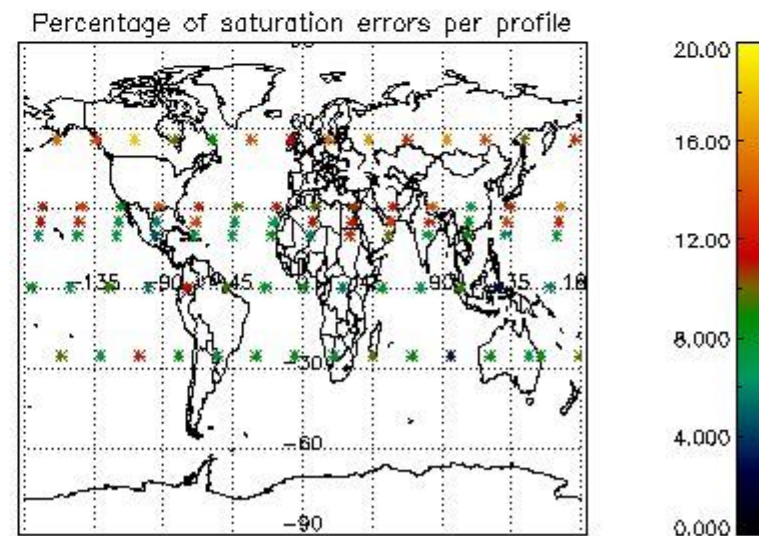
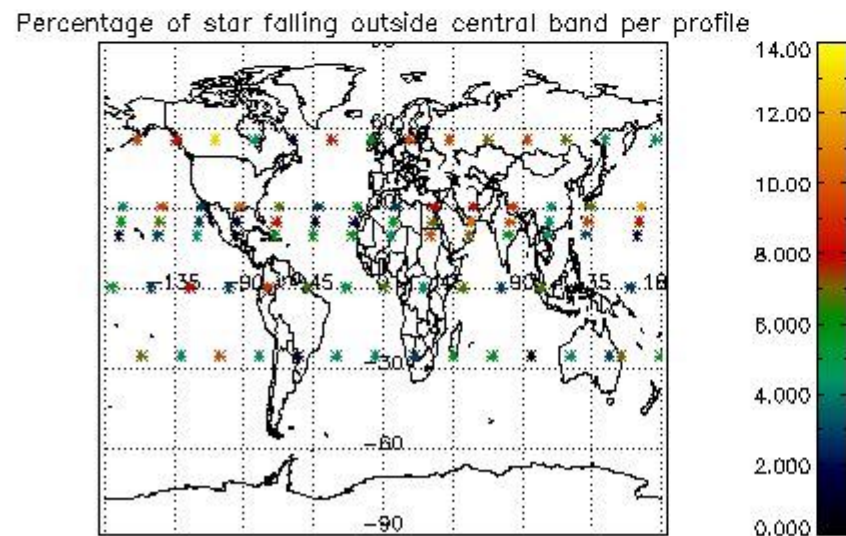
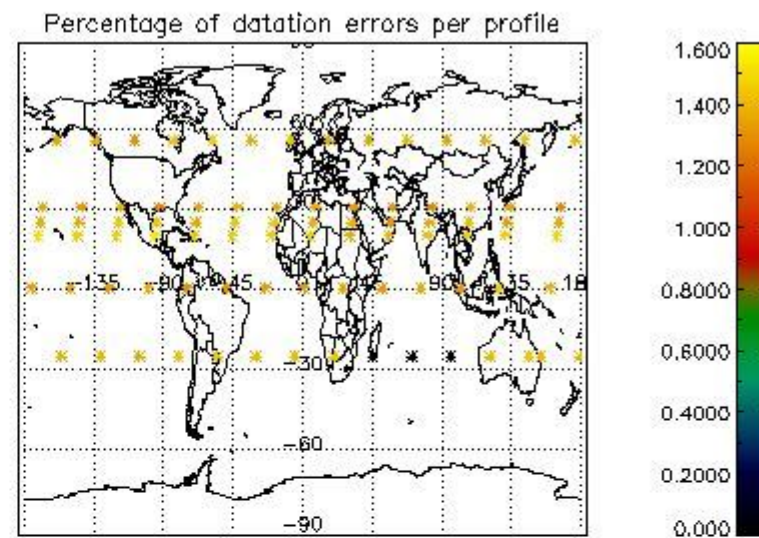
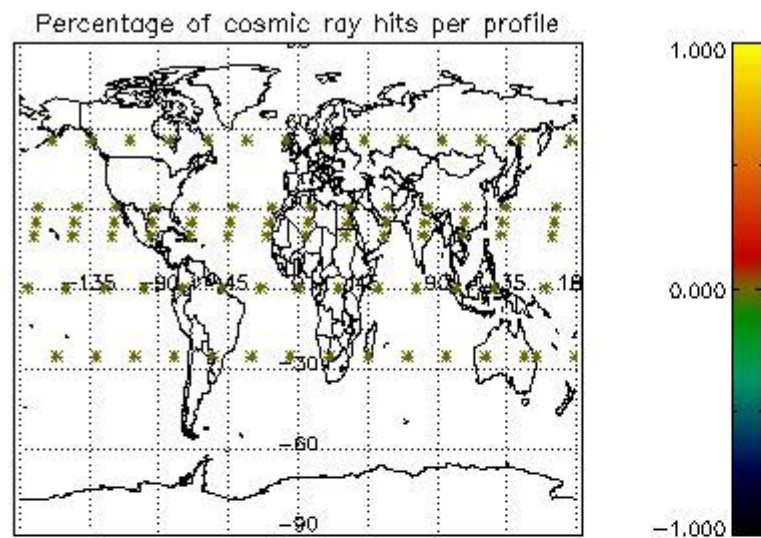


Percentage of saturation errors per profile



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





## 5. Trace gas profiles

### 5.1 Ozone statistics based on quality of products

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

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

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

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

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

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

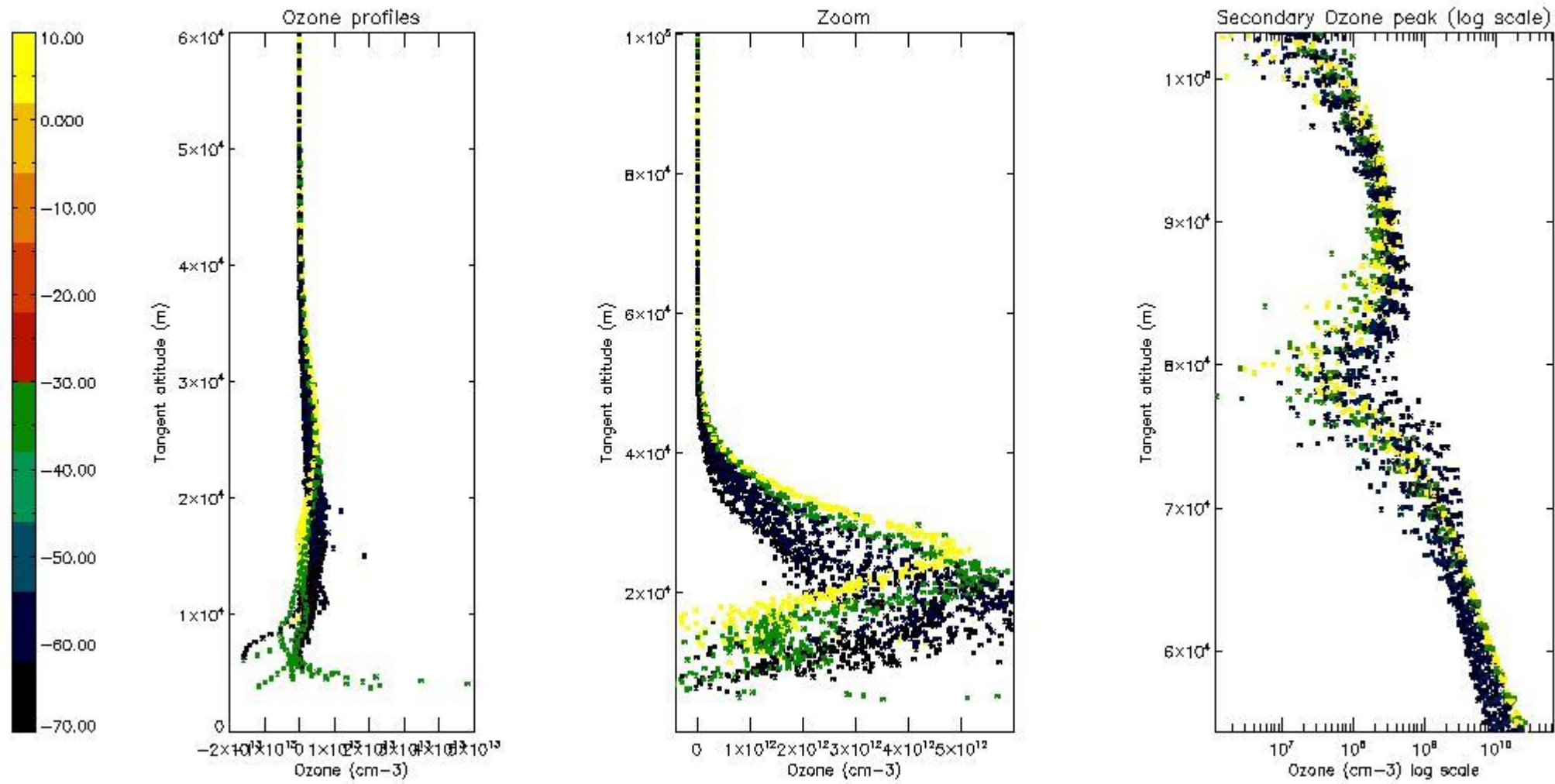
Criteria	% of total production
All STD	35
STD < 20	25



STD < 10	22
STD < 5	18

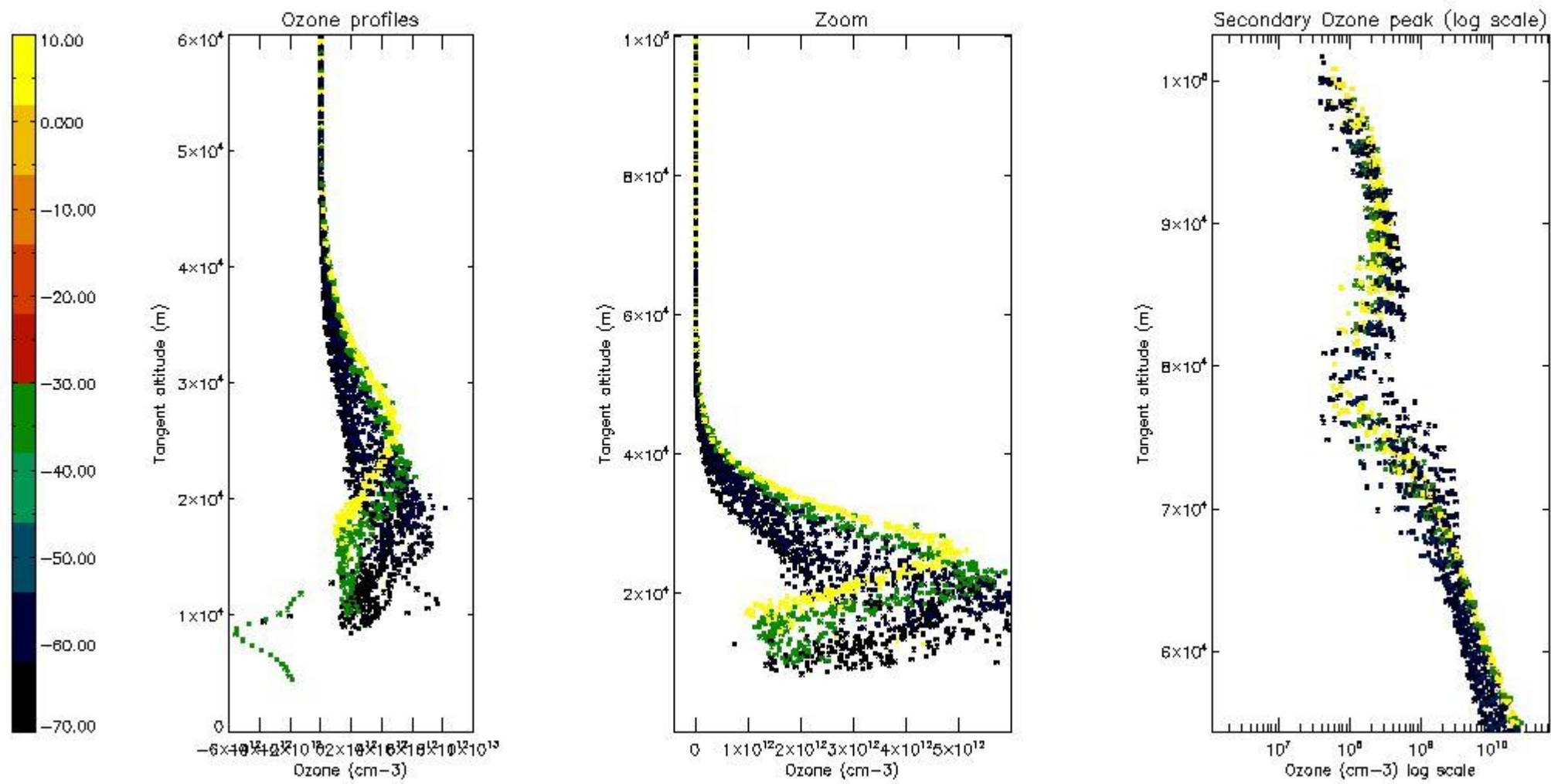
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



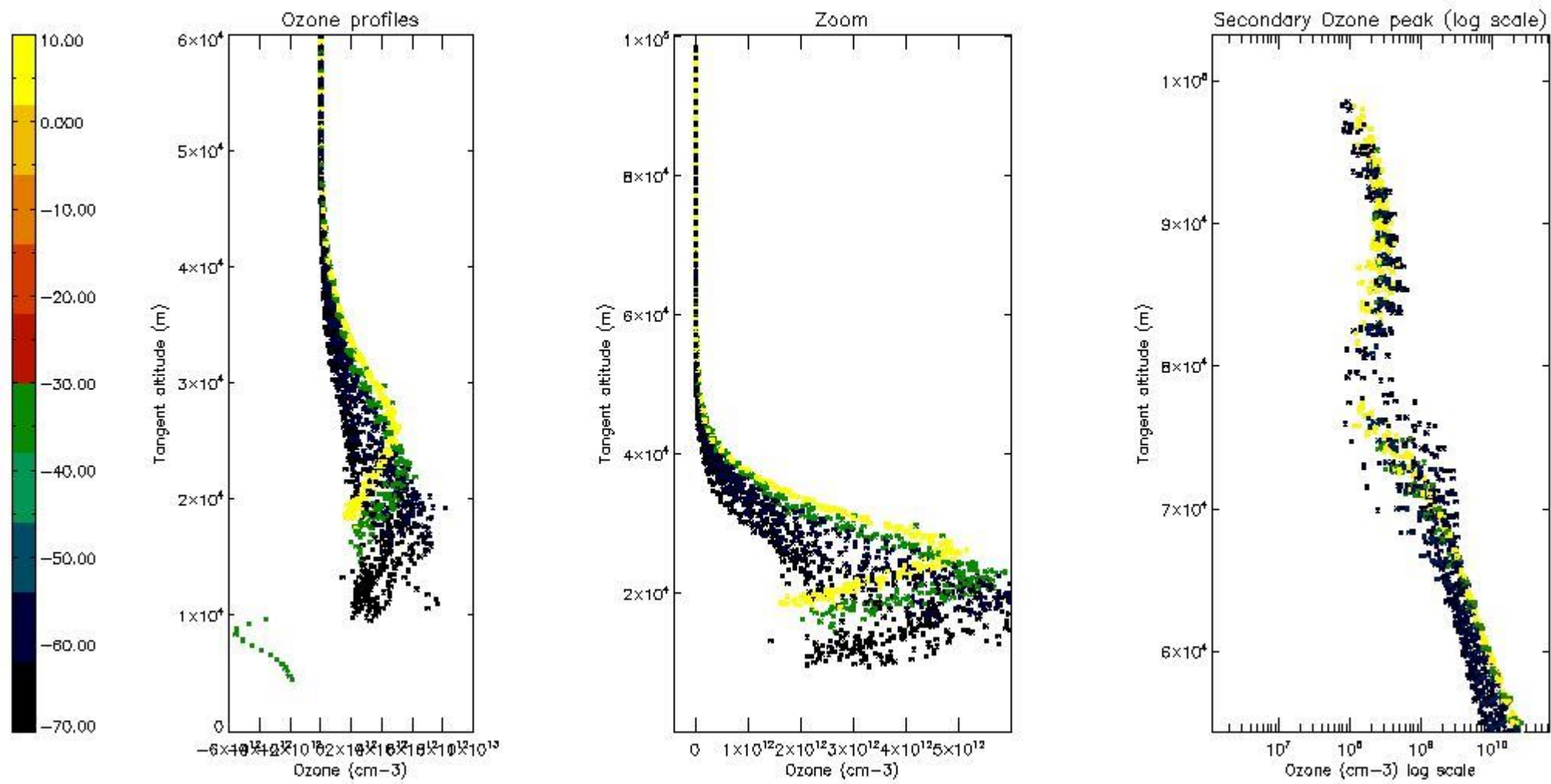
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



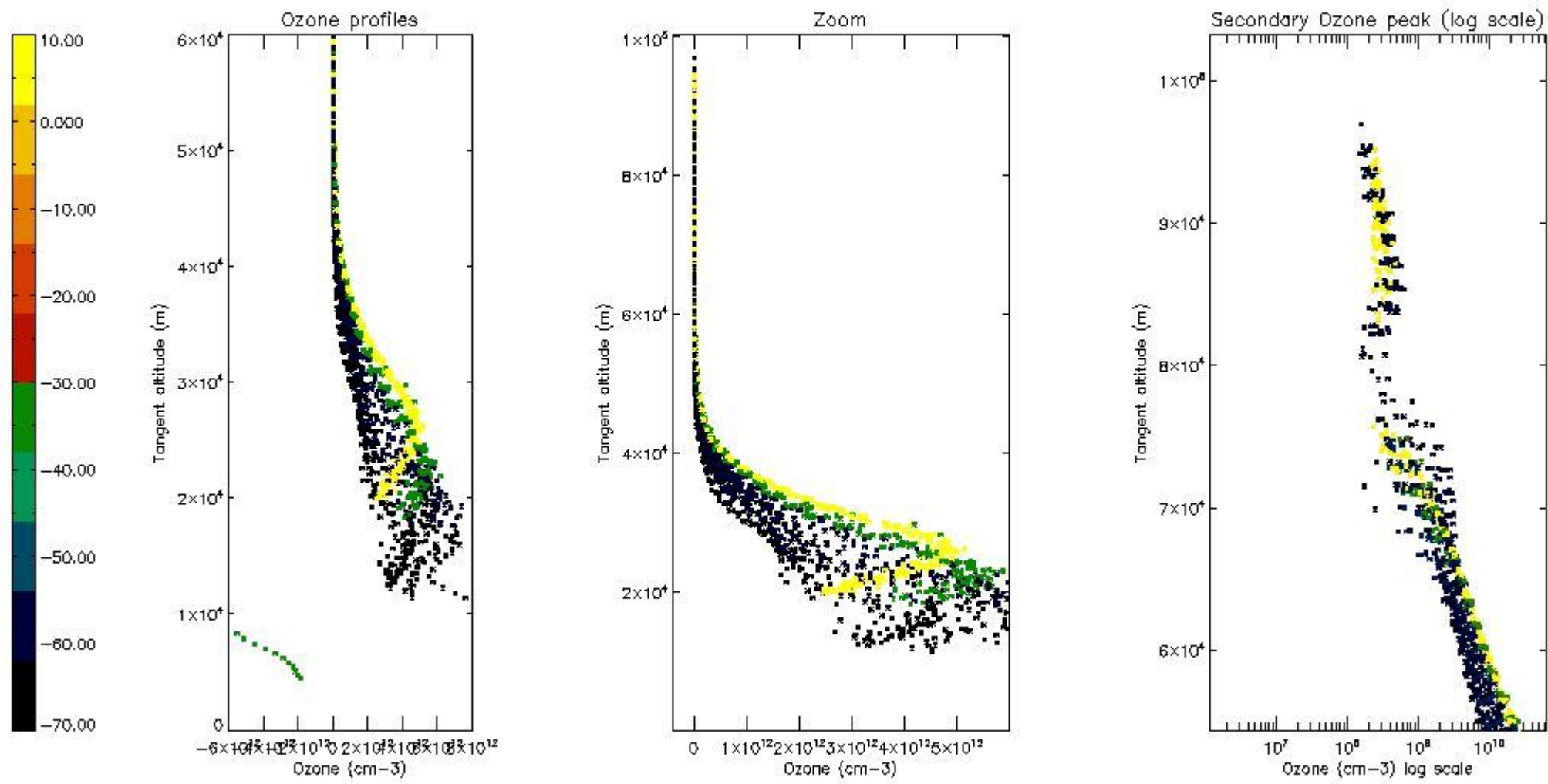
*5.4 Plot ozone profiles where STD < 10% (dark without errors)*

The colorbar represents the latitude.



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

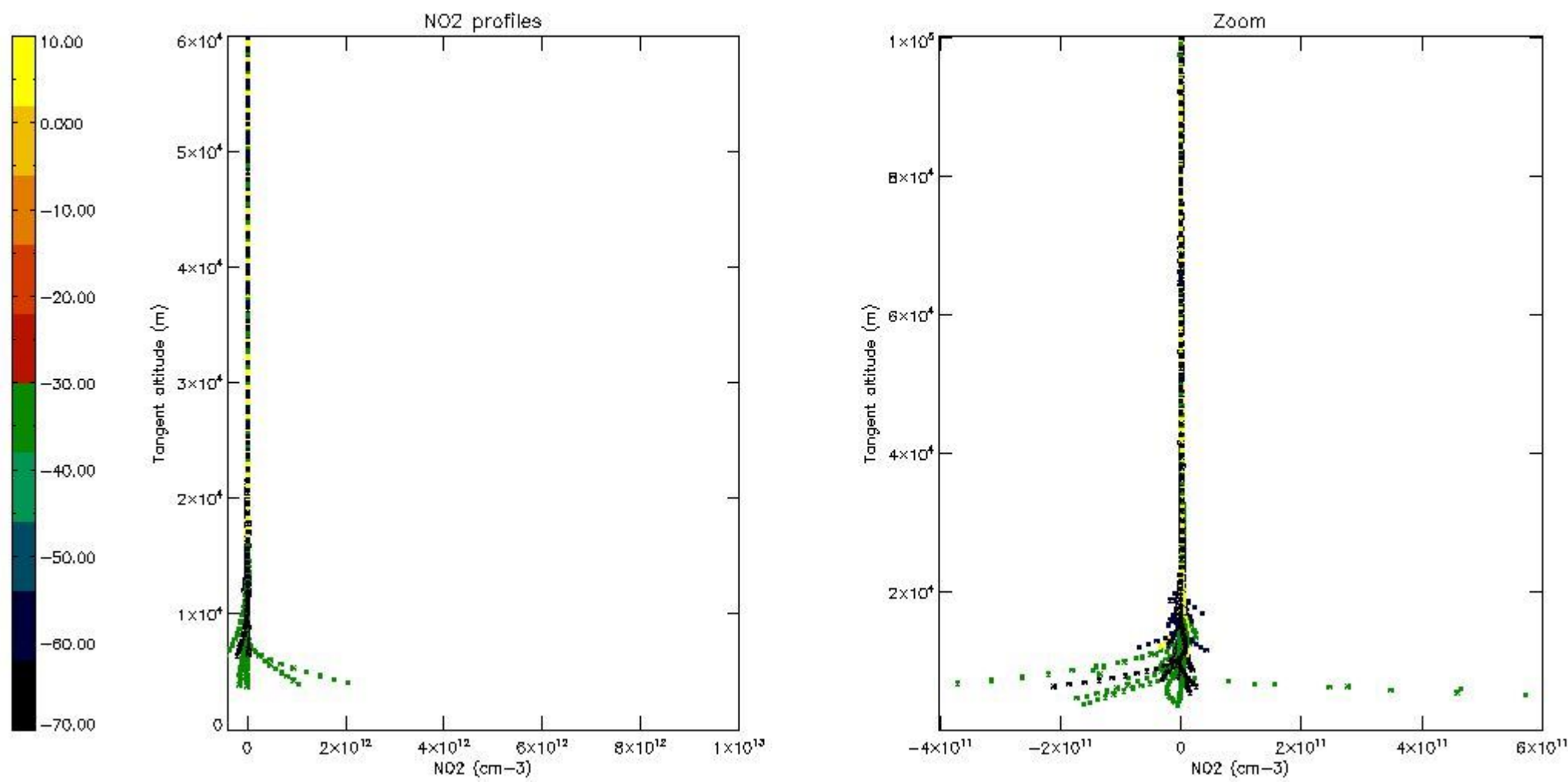
The colorbar represents the latitude.



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

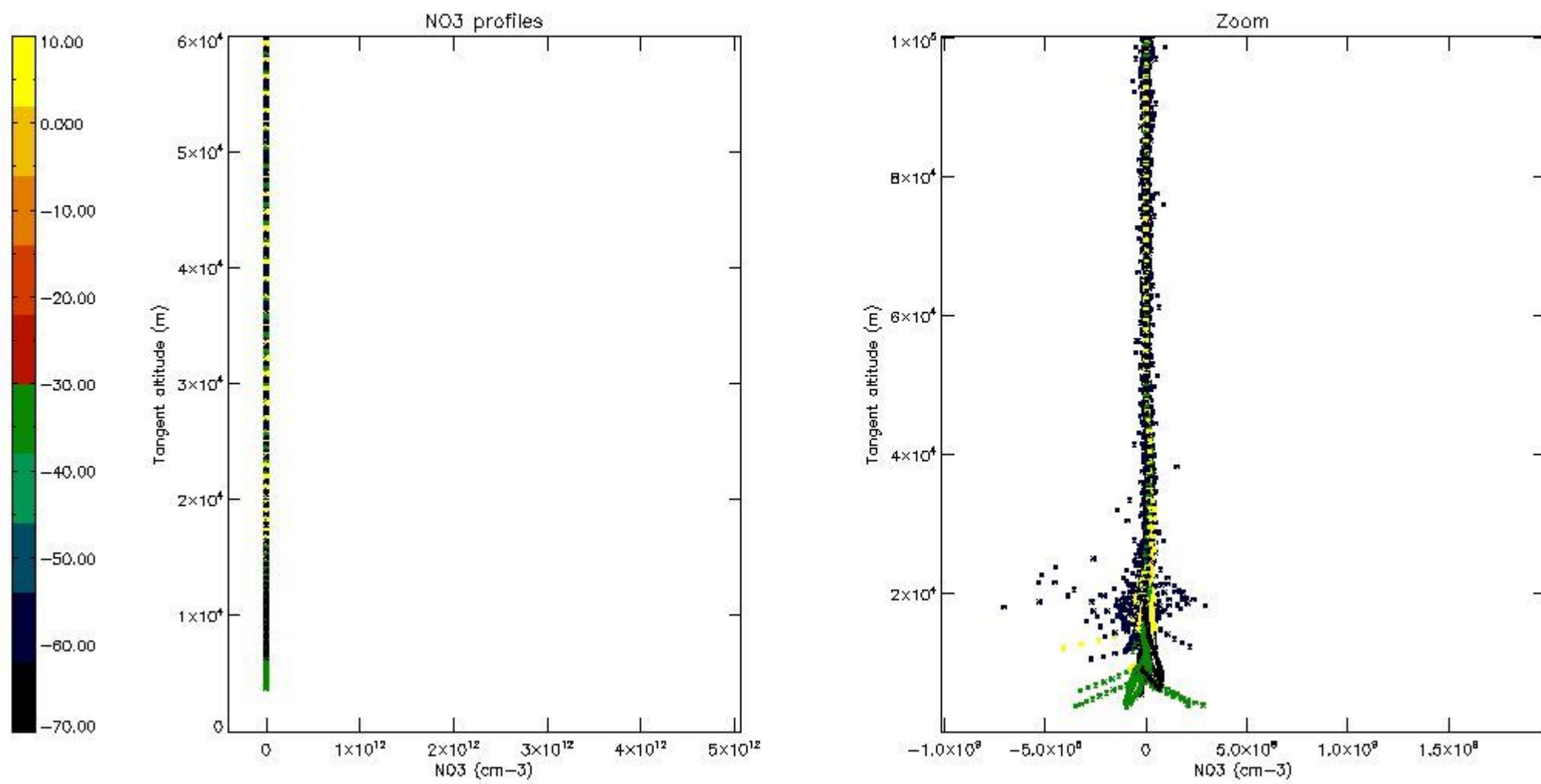
The colorbar represents the latitude.





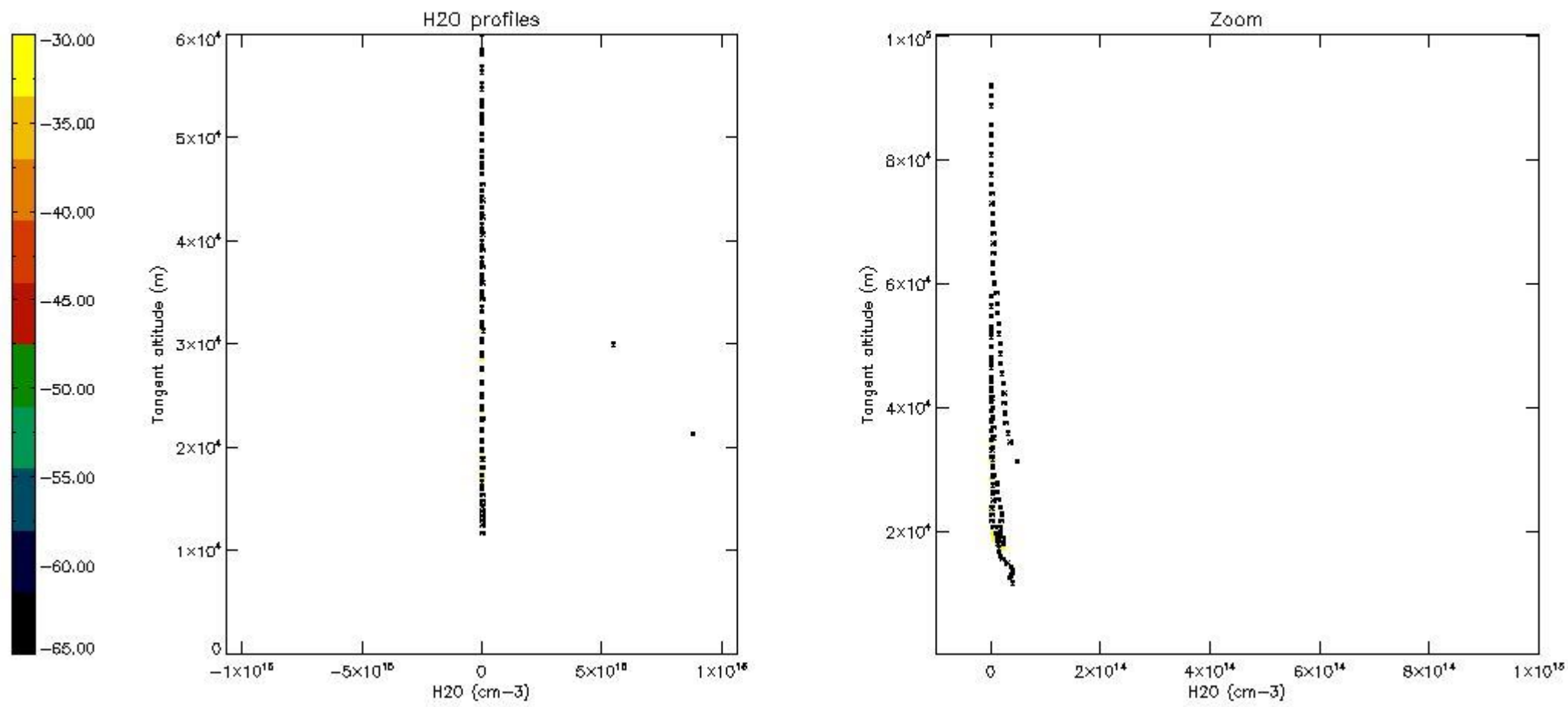
*5.7 Plot NO3 profiles for all STD (dark without errors)*

The colorbar represents the latitude.



5.8 Plot H<sub>2</sub>O profiles for all STD (only for occultations of stars 1,2,3,4,13,14,16,26,63 dark without errors)

The colorbar represents the latitude.

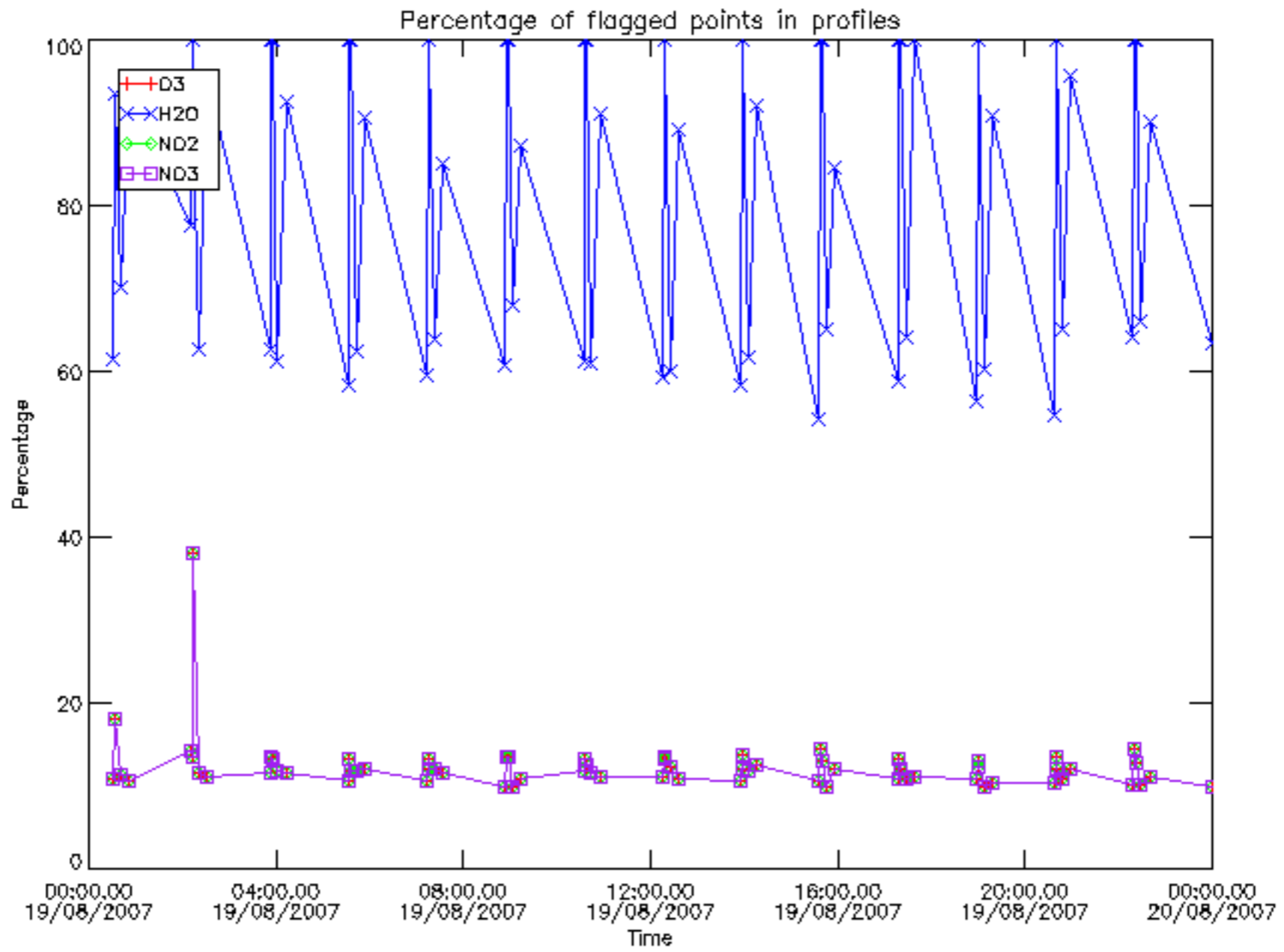


## 6. Auxiliary Data Files used for the production reported in section 2

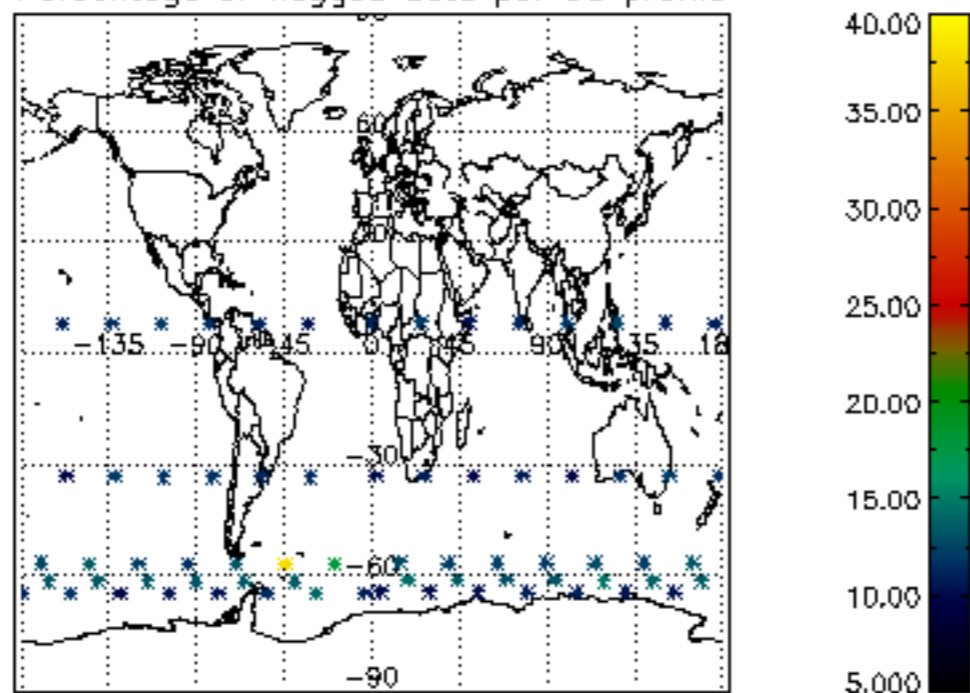
The number reported in the third column indicates since which file (see list in section 2) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	19-AUG-2007 00:00:08
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	19-AUG-2007 00:00:08
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	19-AUG-2007 00:00:08

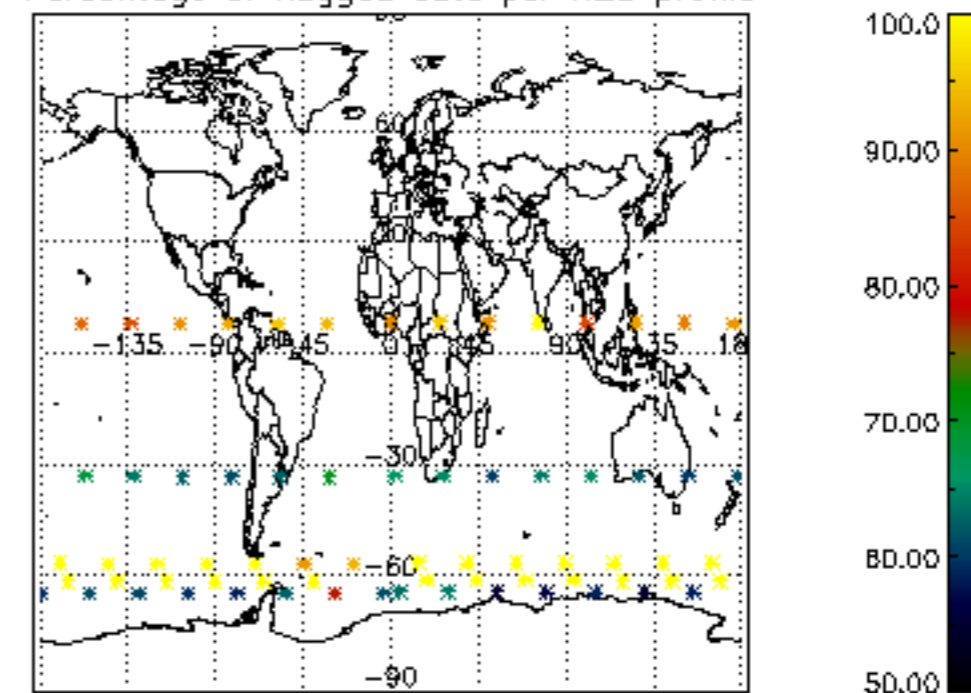




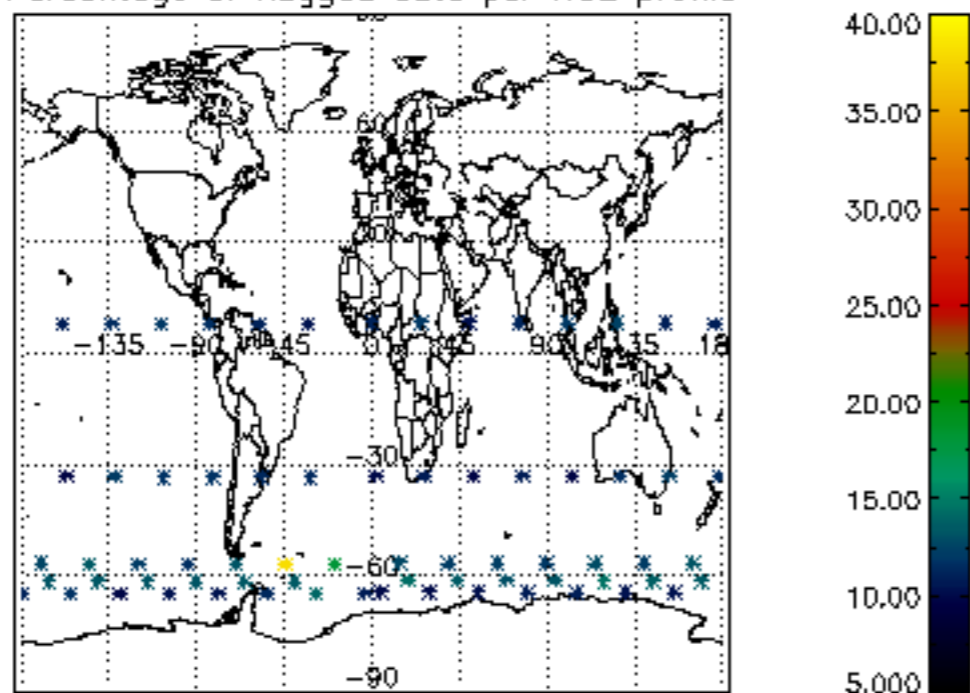
Percentage of flagged data per D3 profile



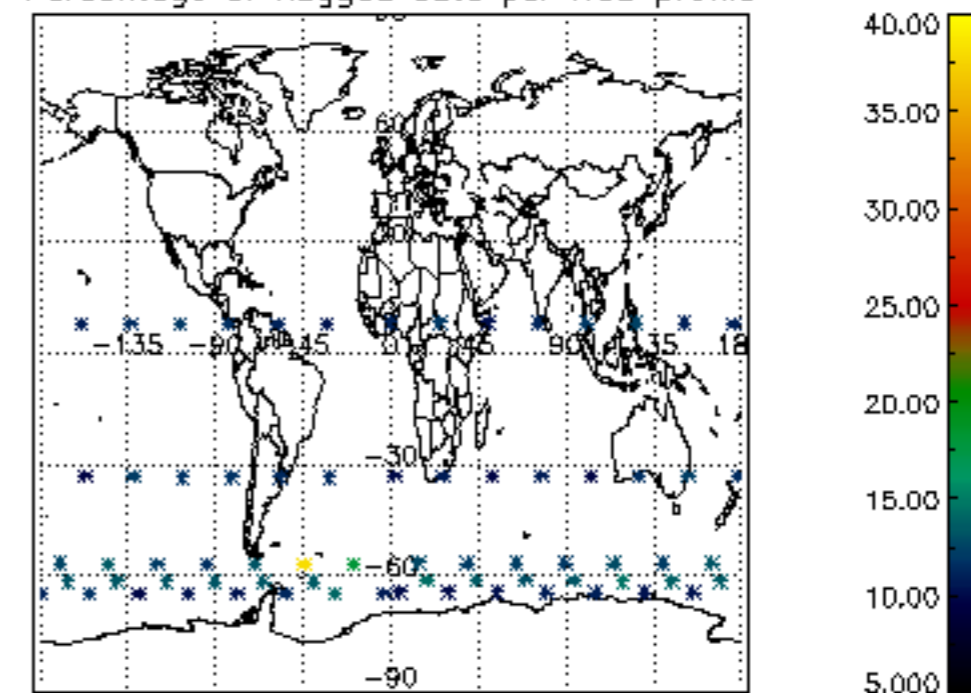
Percentage of flagged data per H2O profile

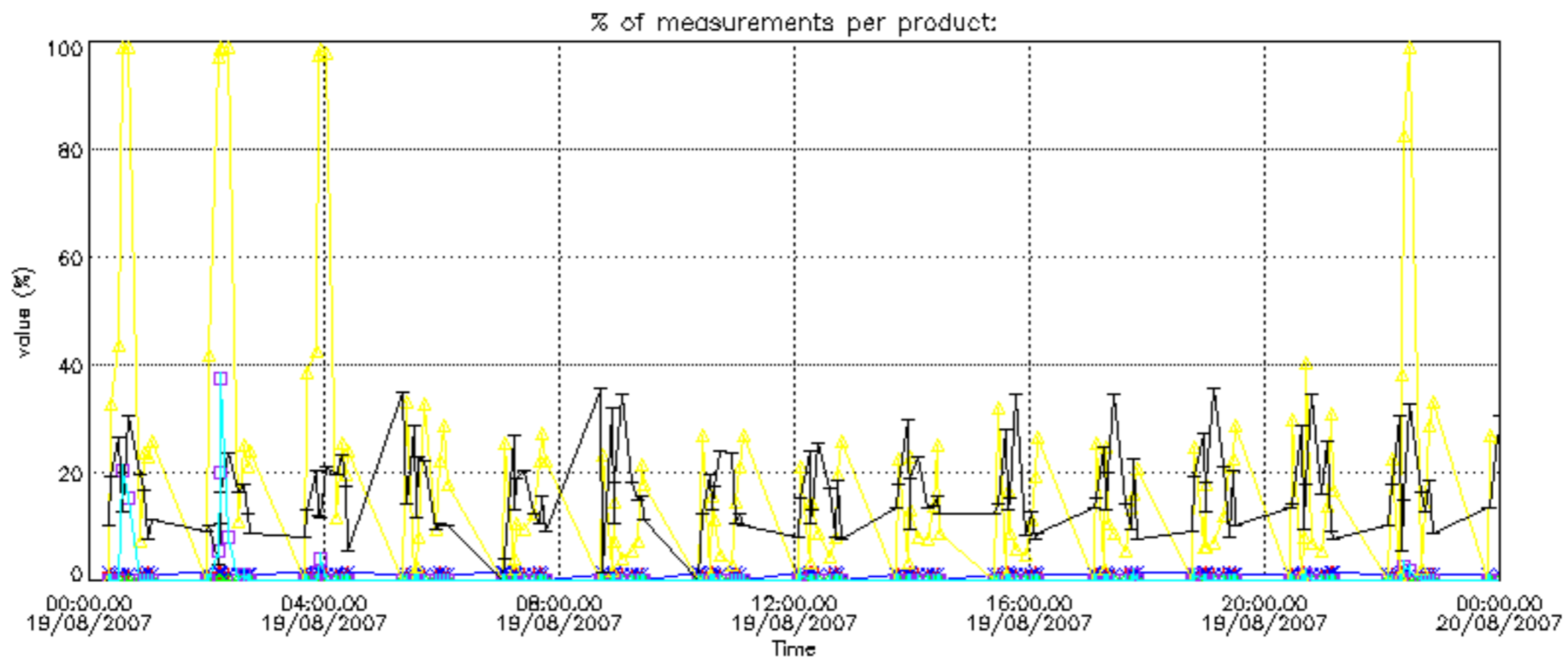


Percentage of flagged data per NO2 profile

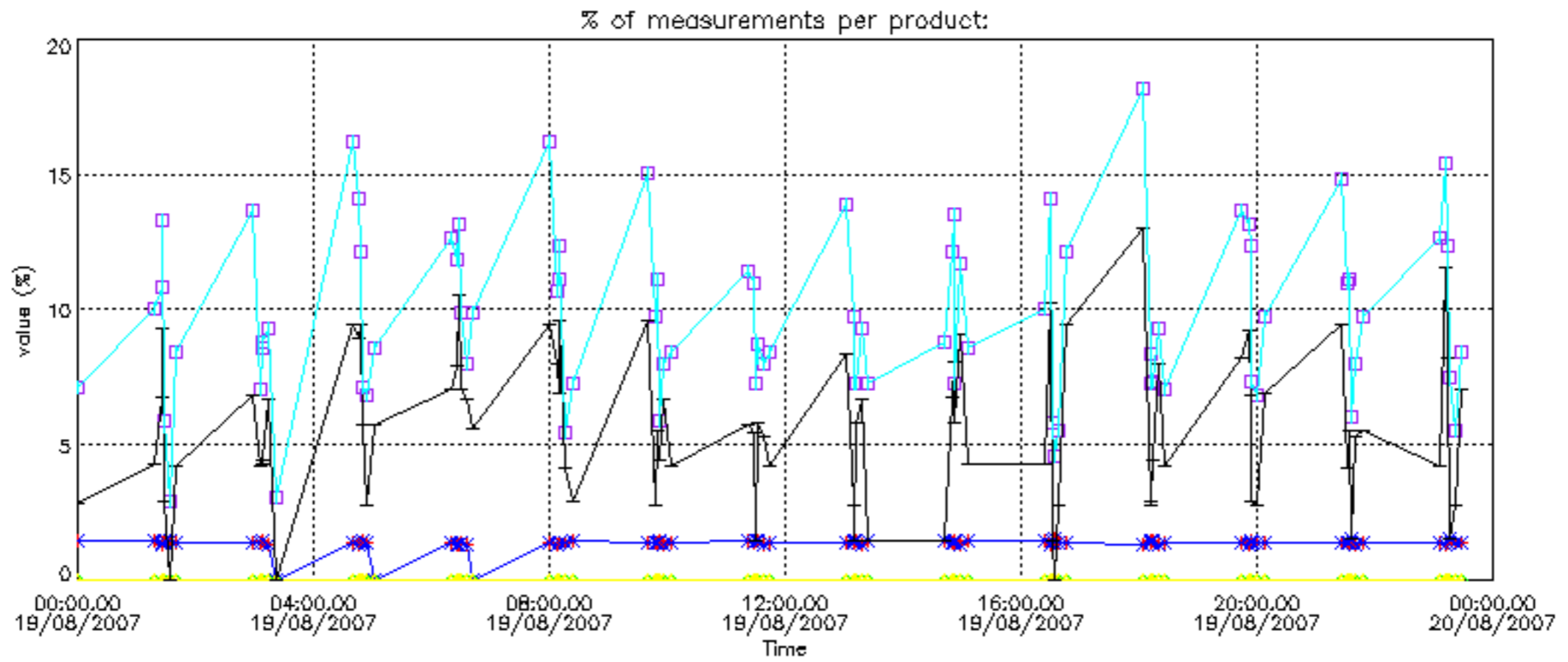


Percentage of flagged data per NO3 profile

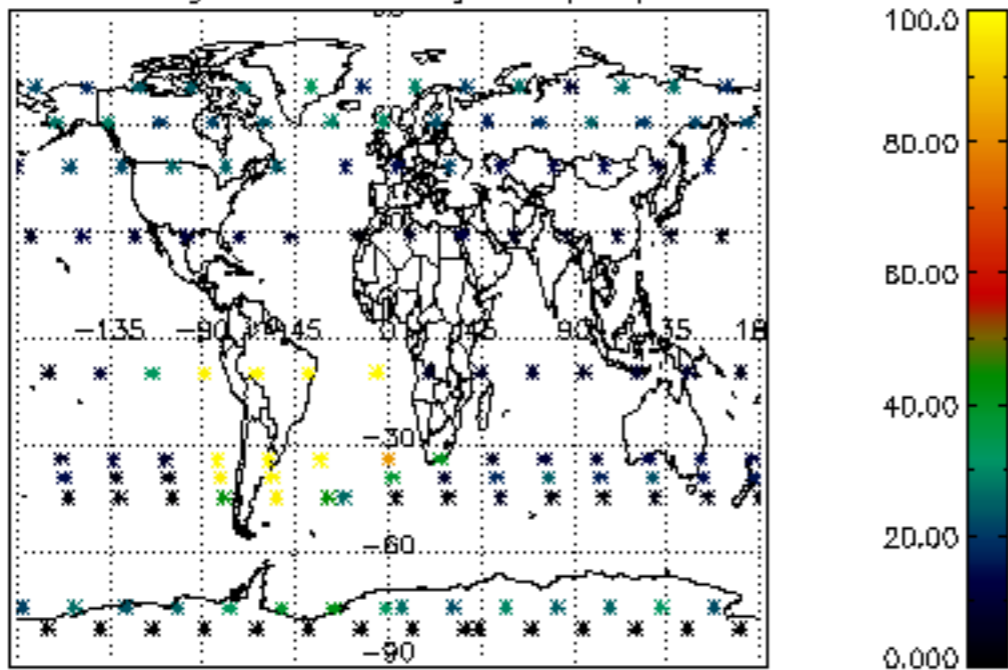




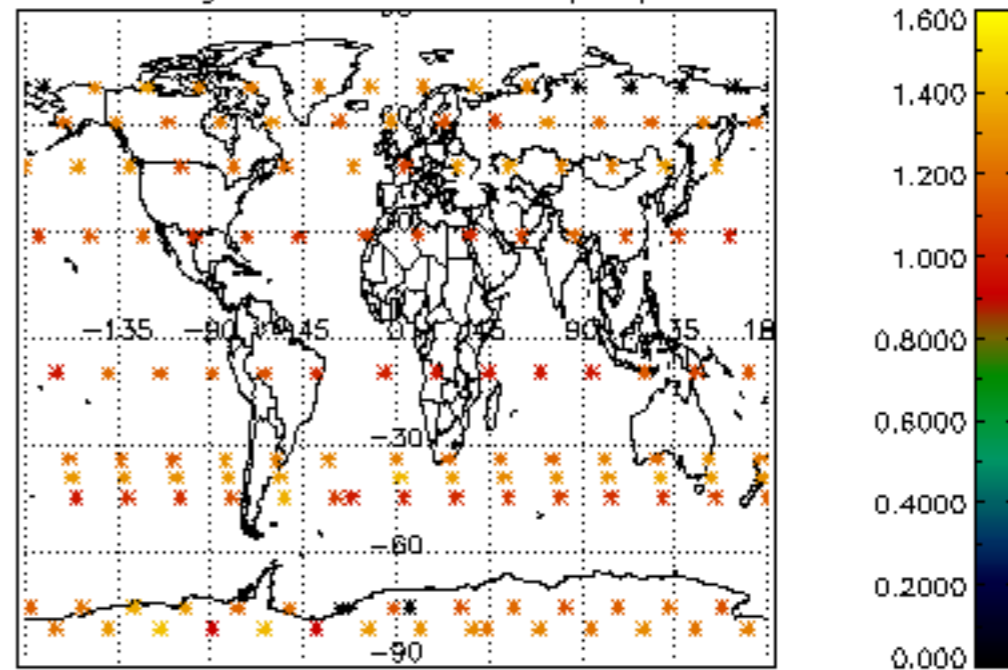




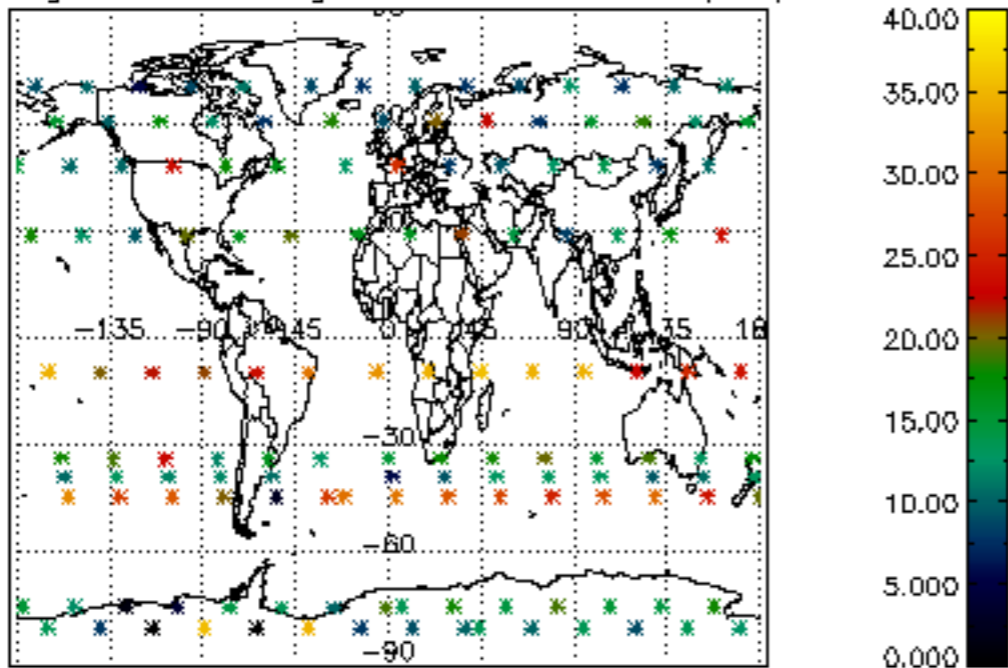
Percentage of cosmic ray hits per profile



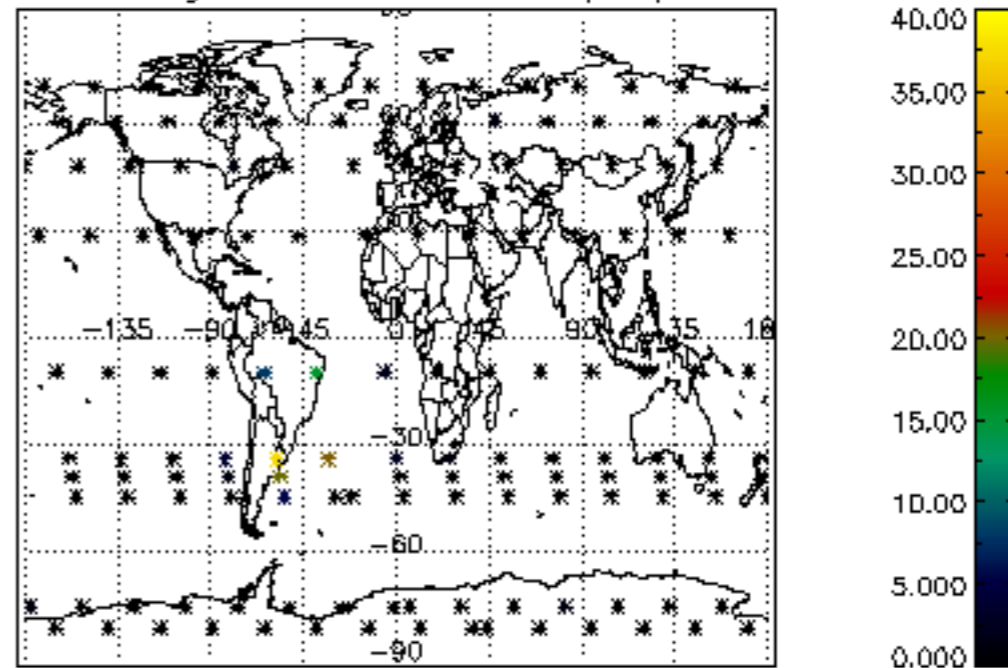
Percentage of datation errors per profile



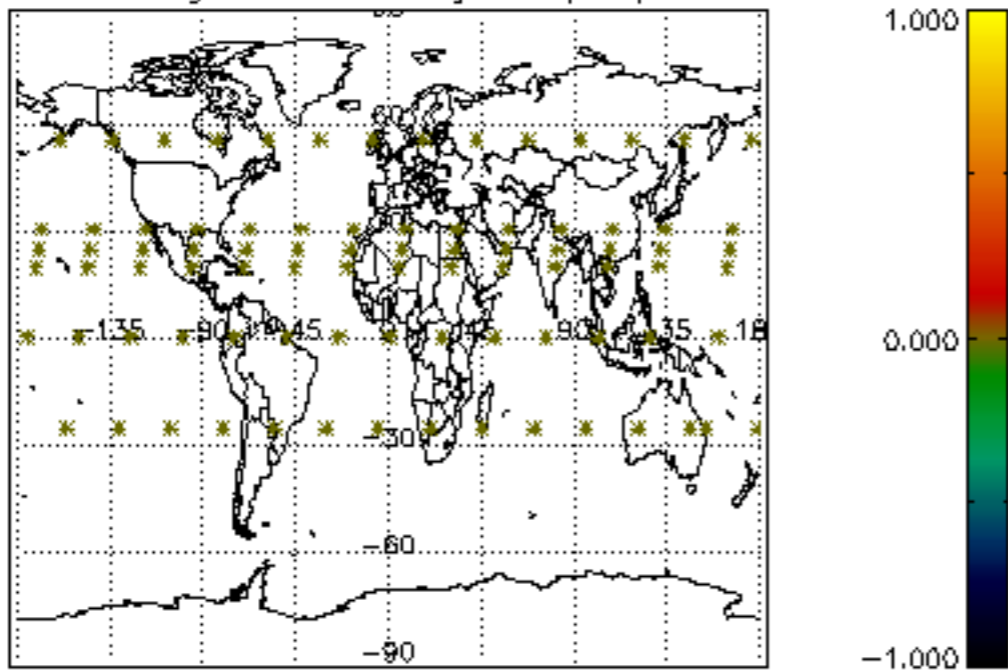
Percentage of star falling outside central band per profile



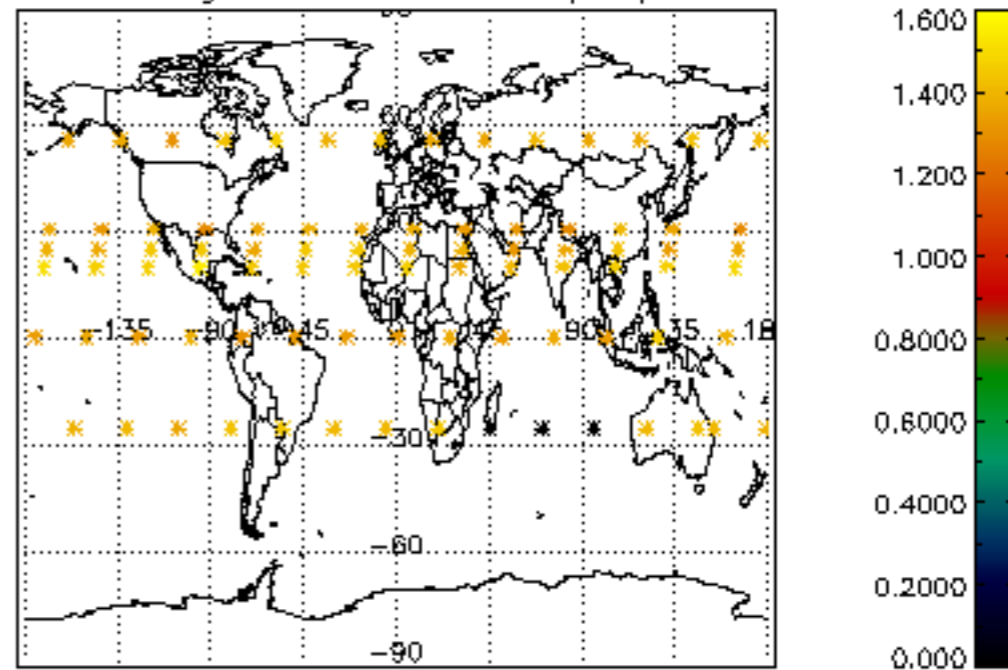
Percentage of saturation errors per profile



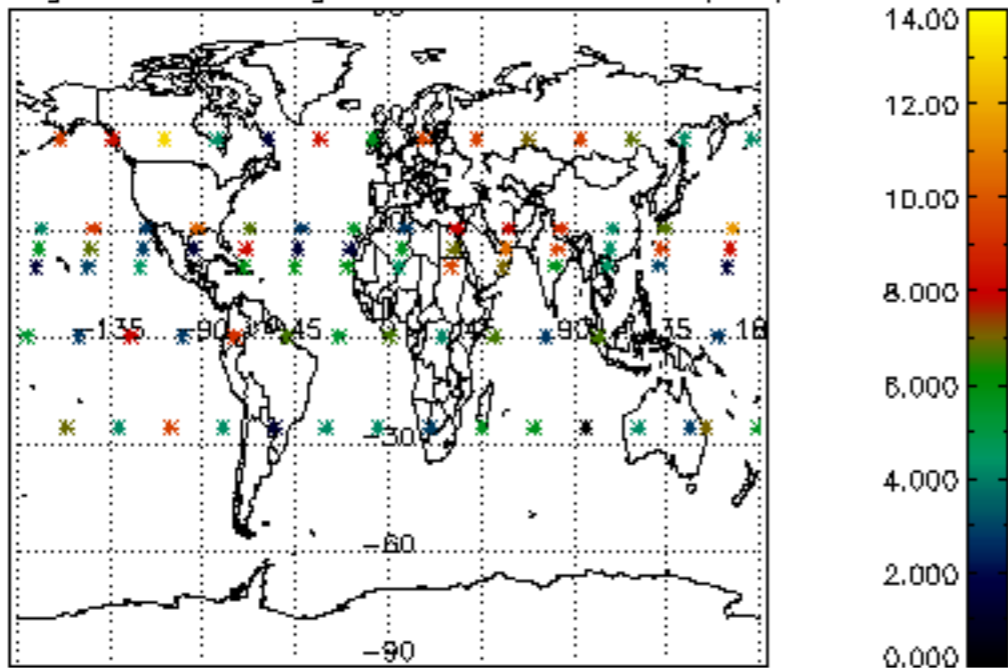
Percentage of cosmic ray hits per profile



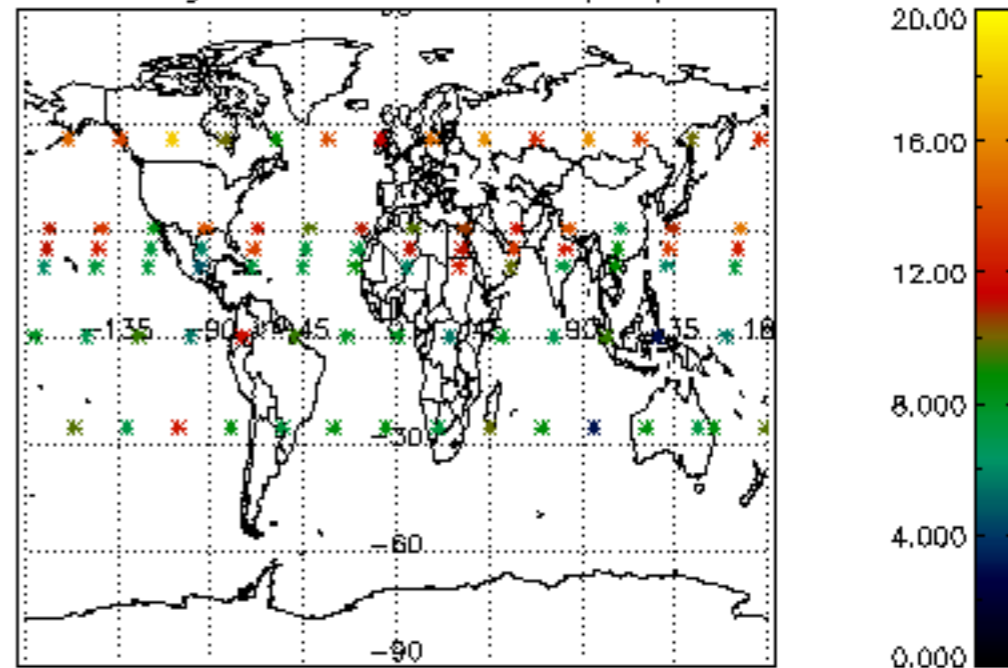
Percentage of datation errors per profile



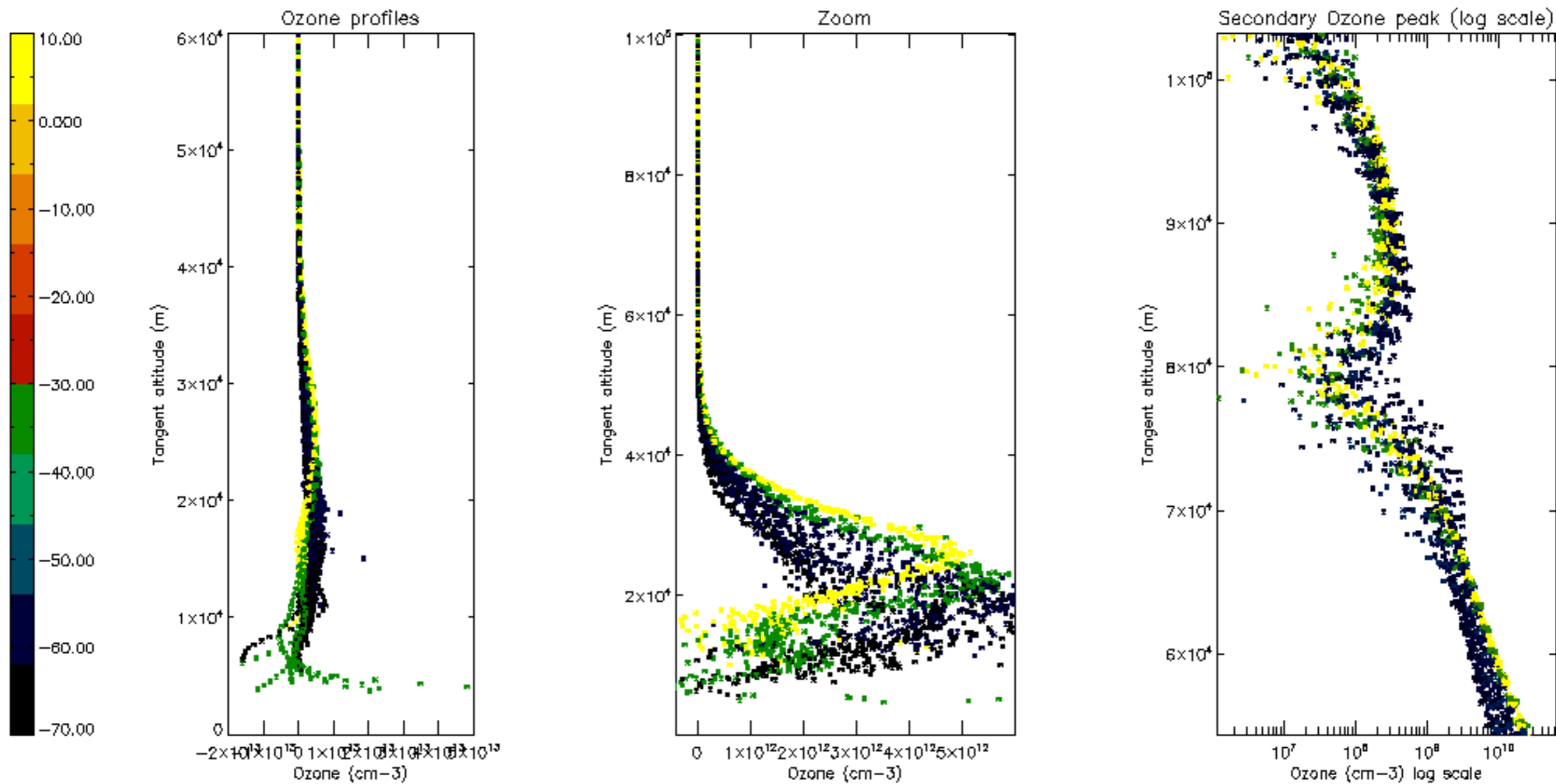
Percentage of star falling outside central band per profile

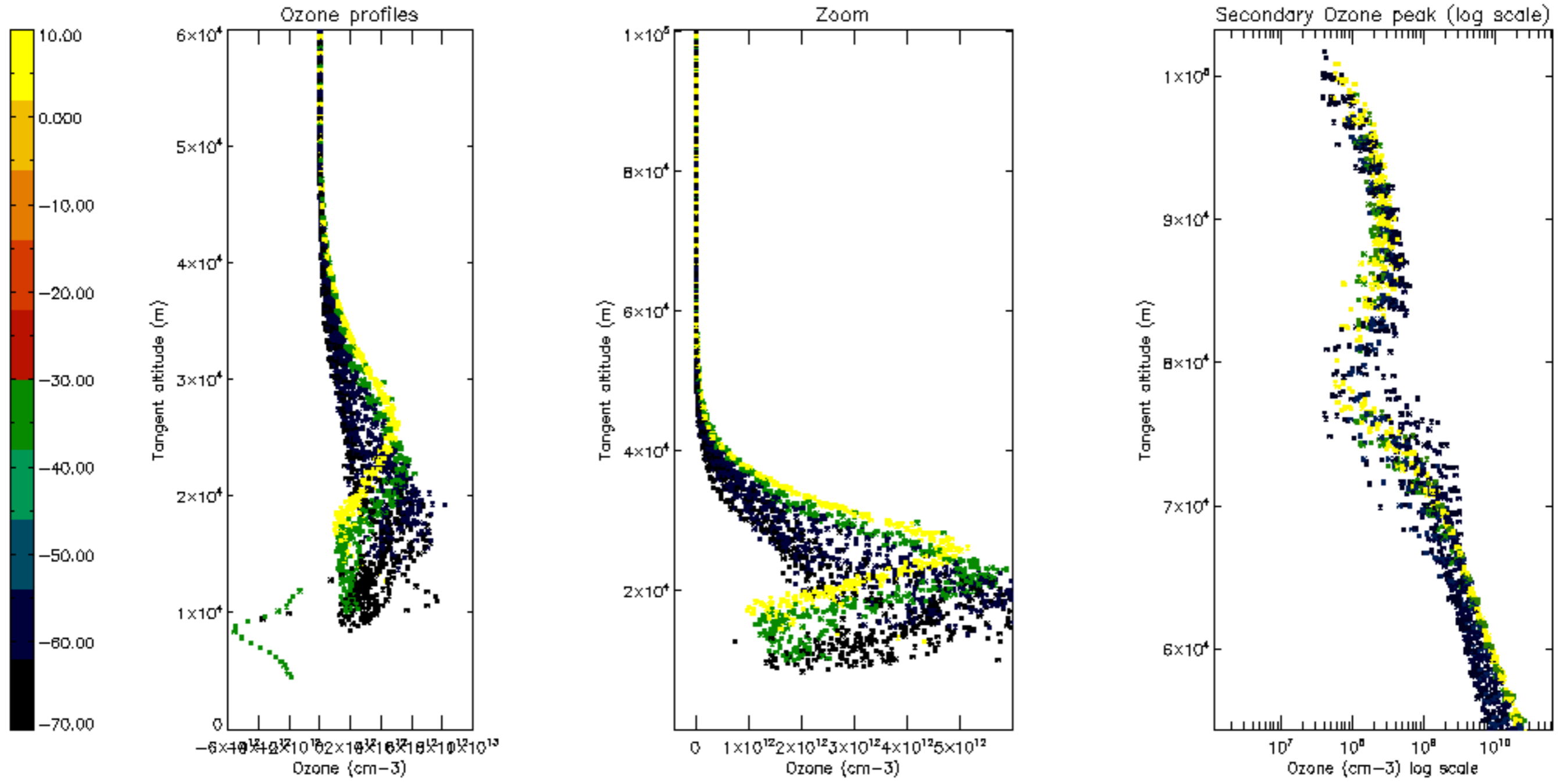


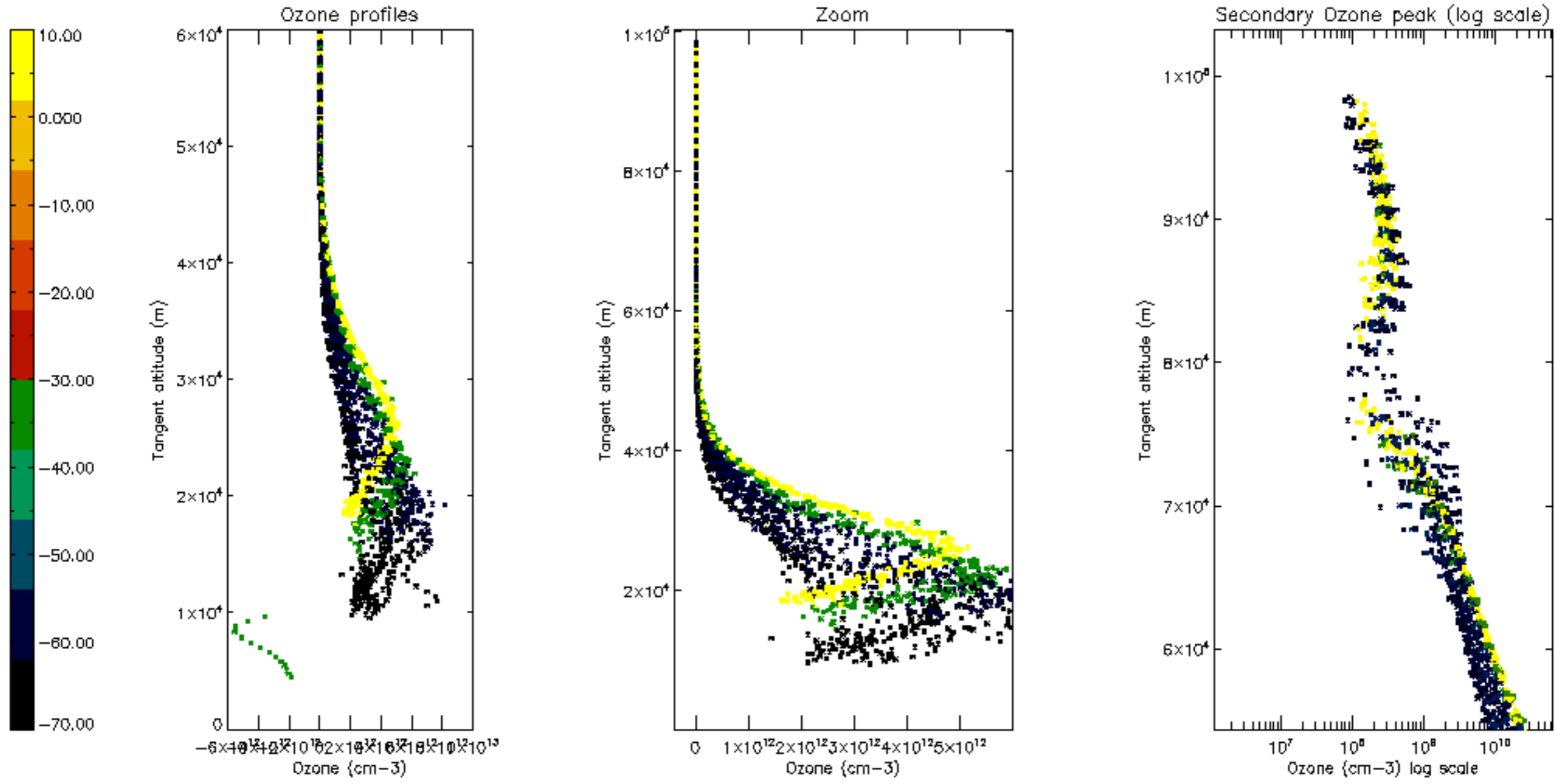
Percentage of saturation errors per profile

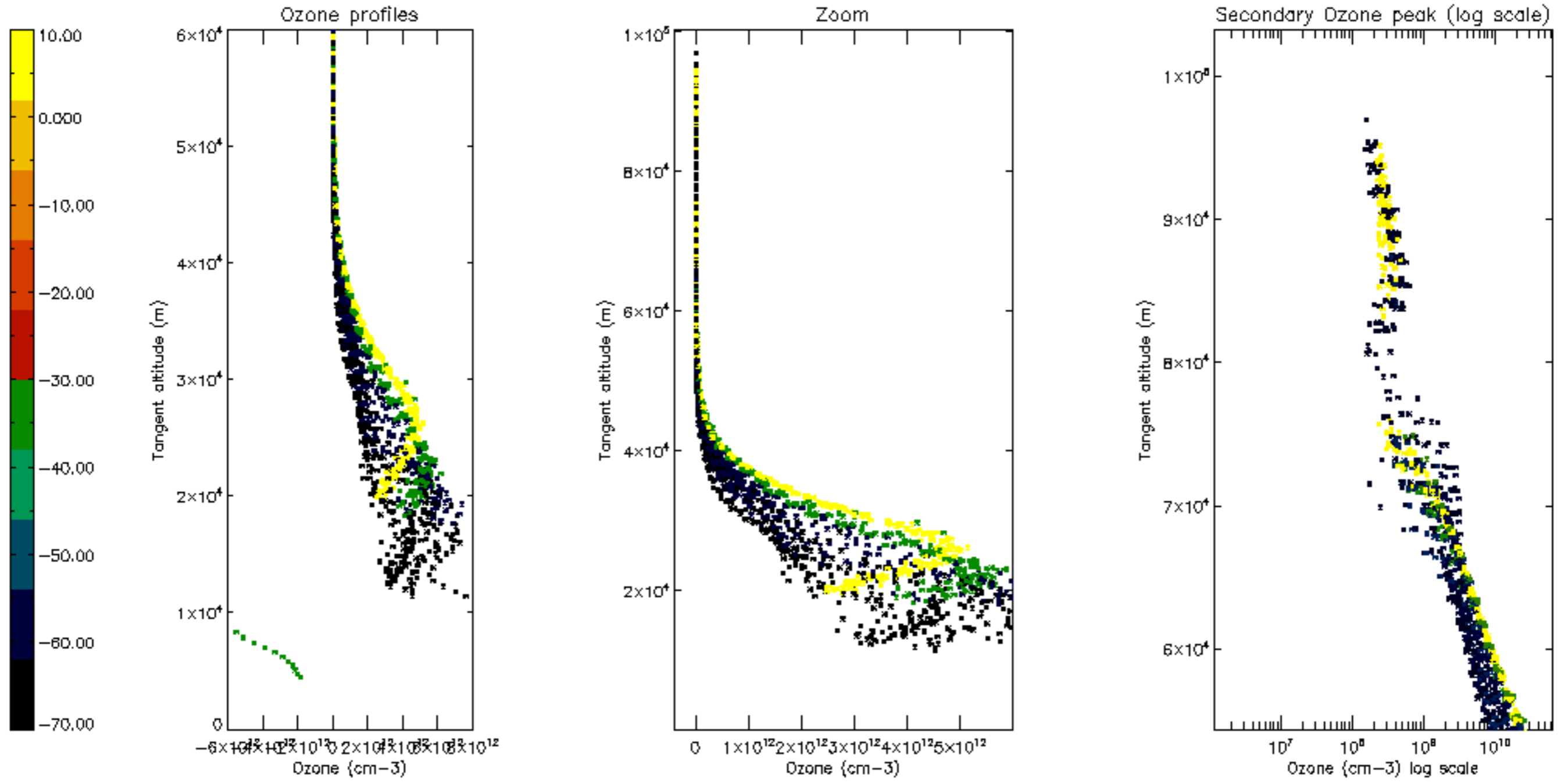




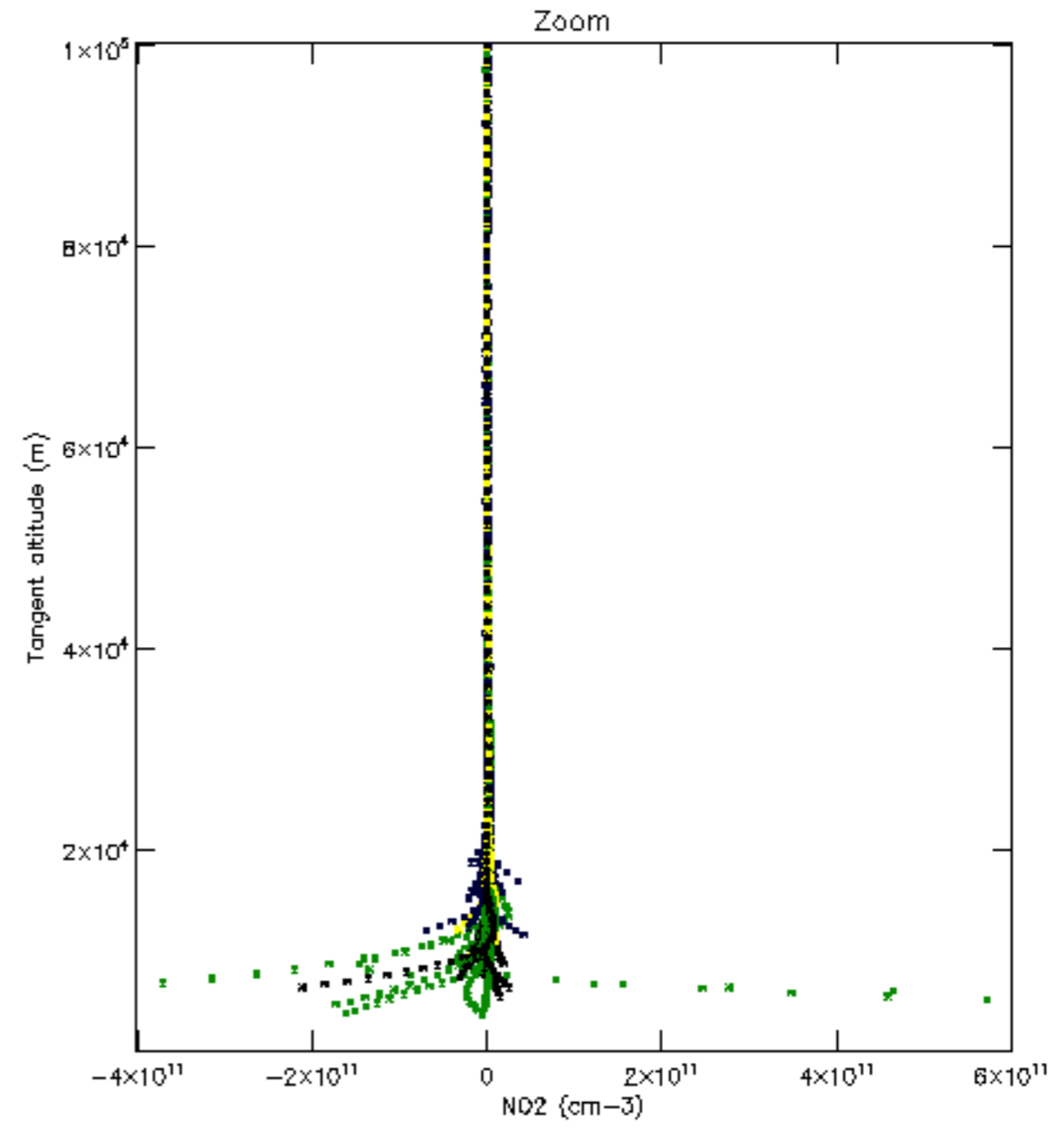
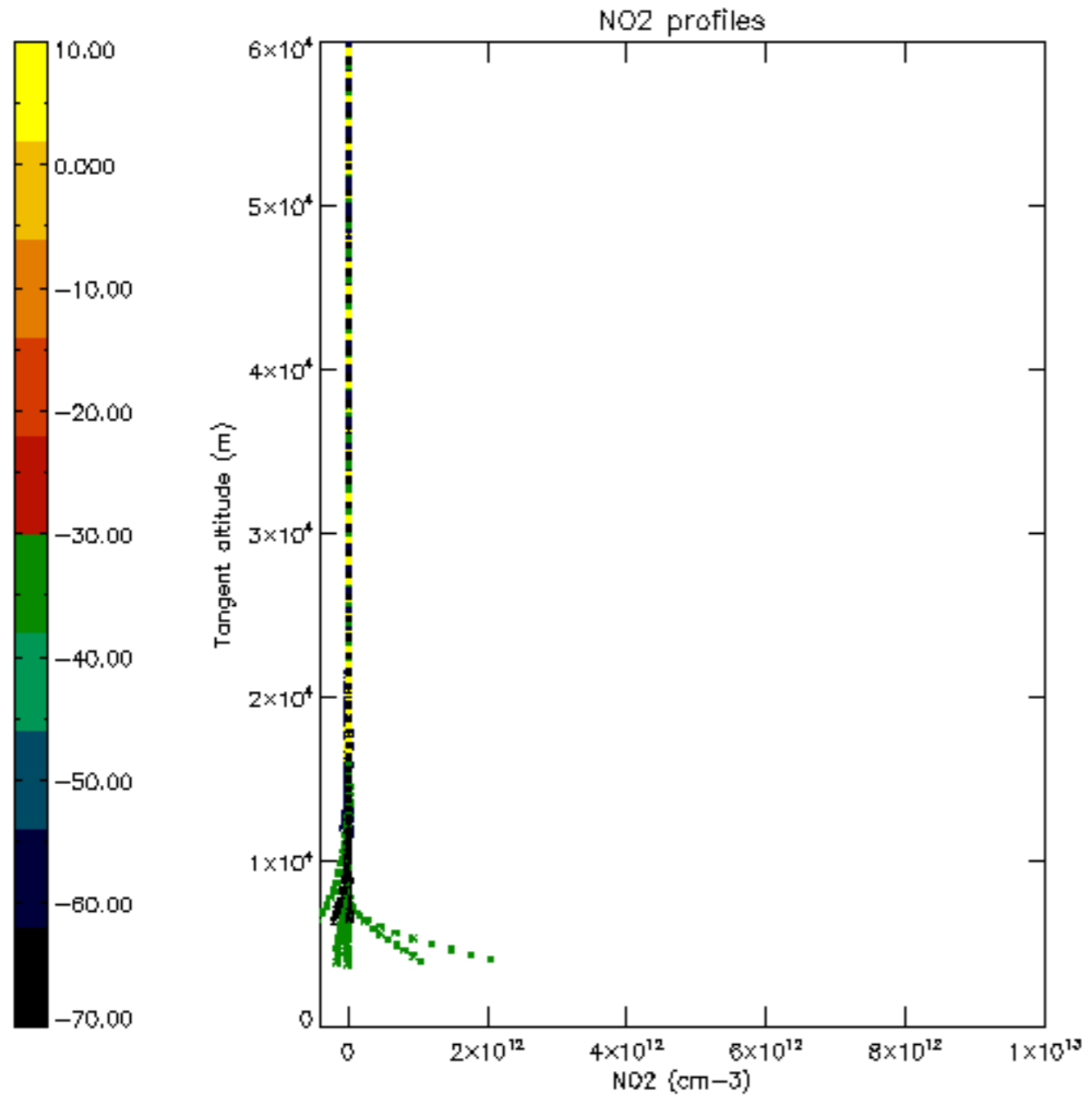


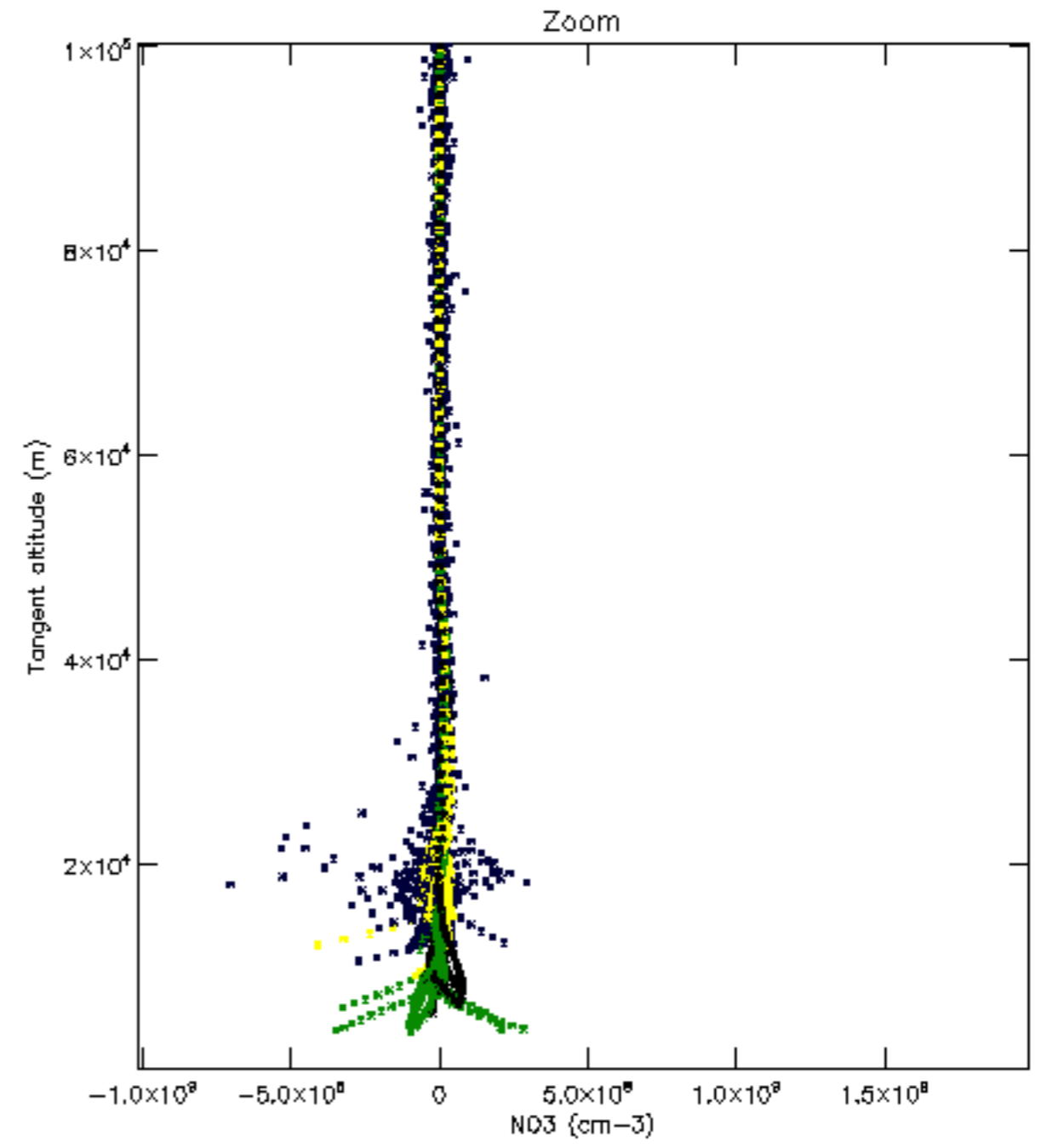
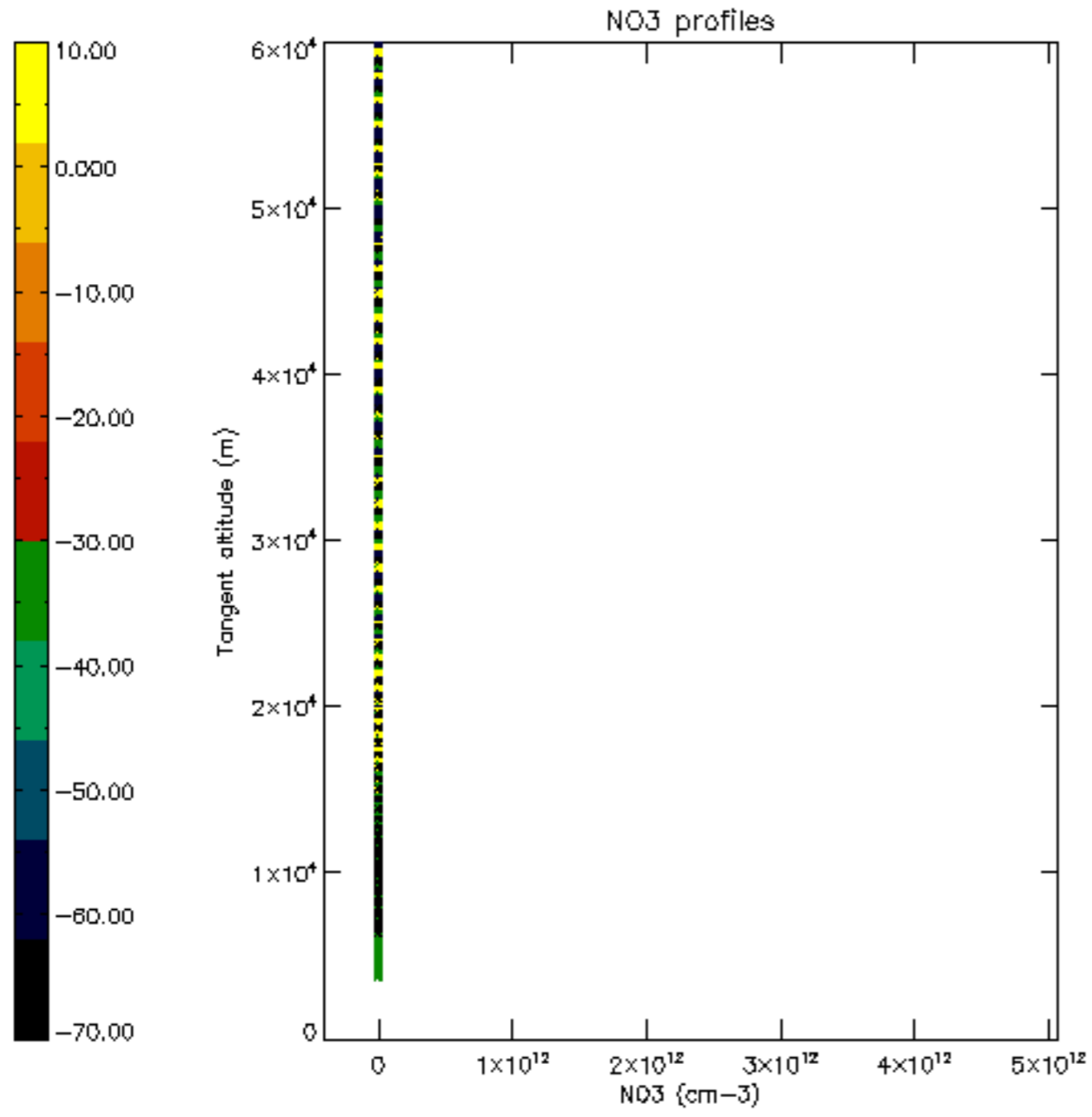


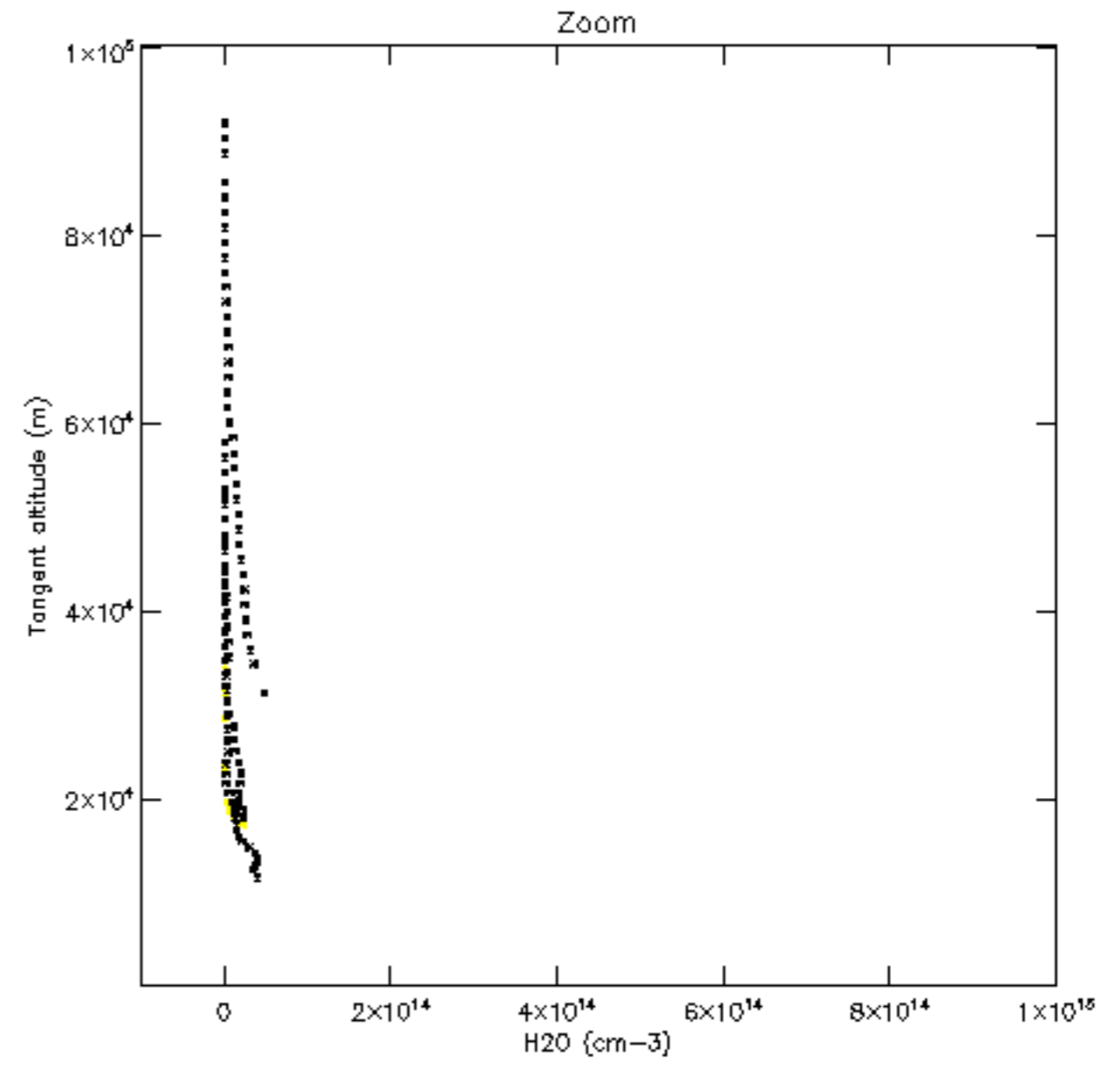
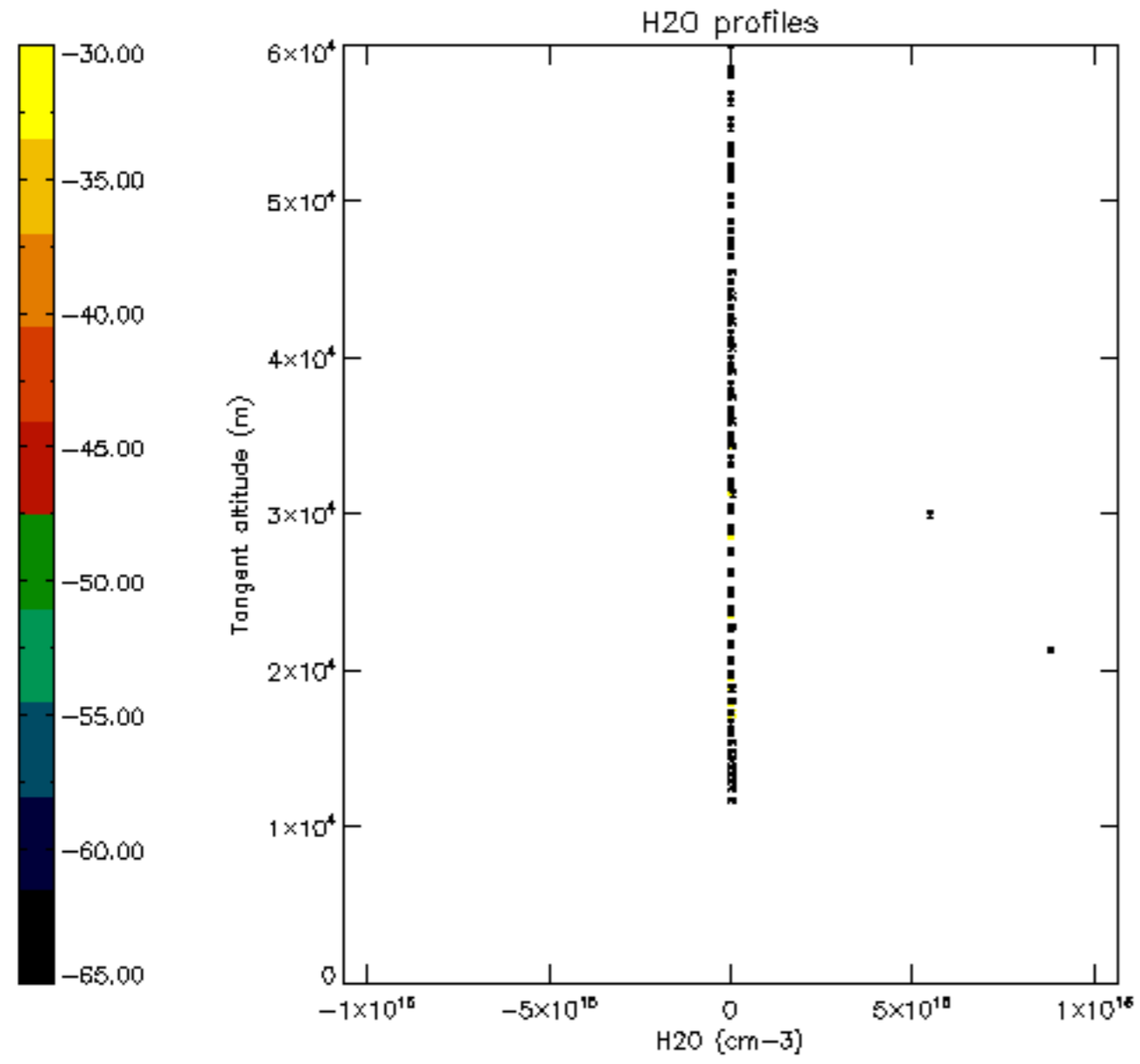


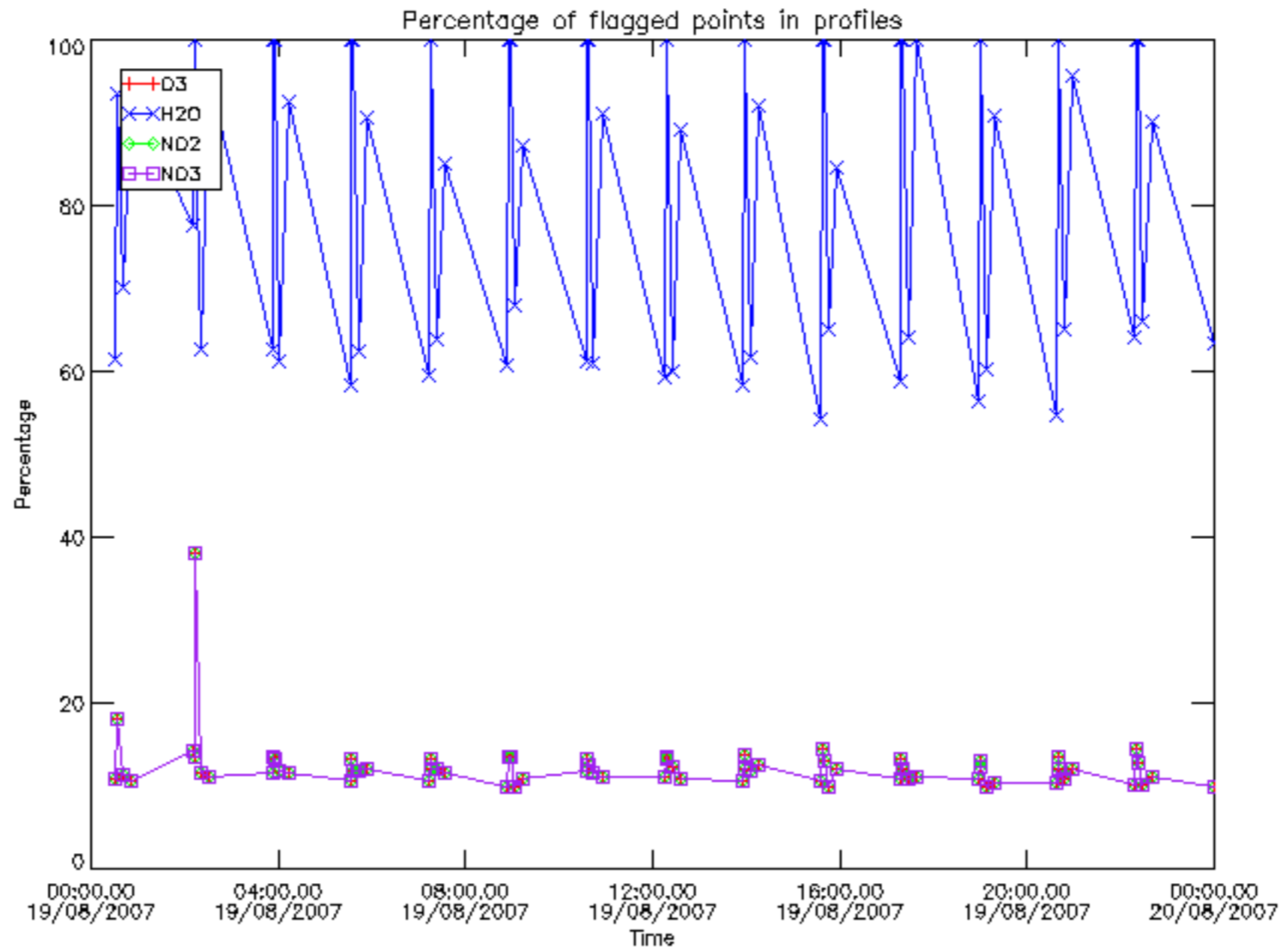






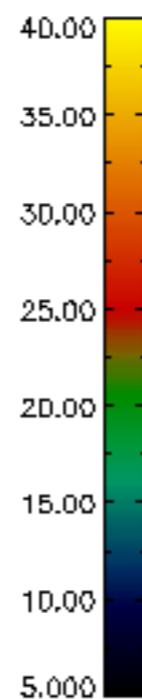
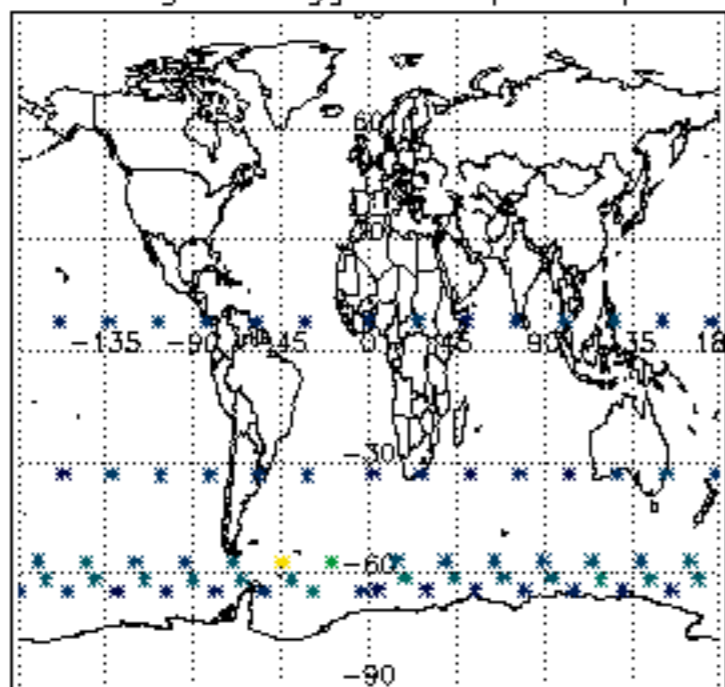




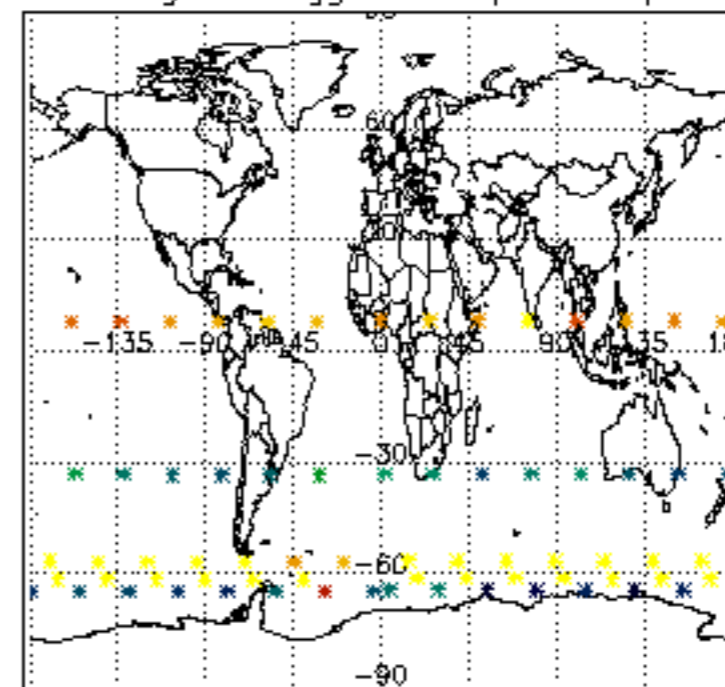




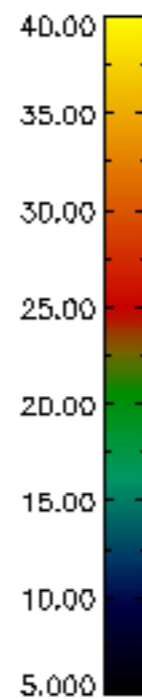
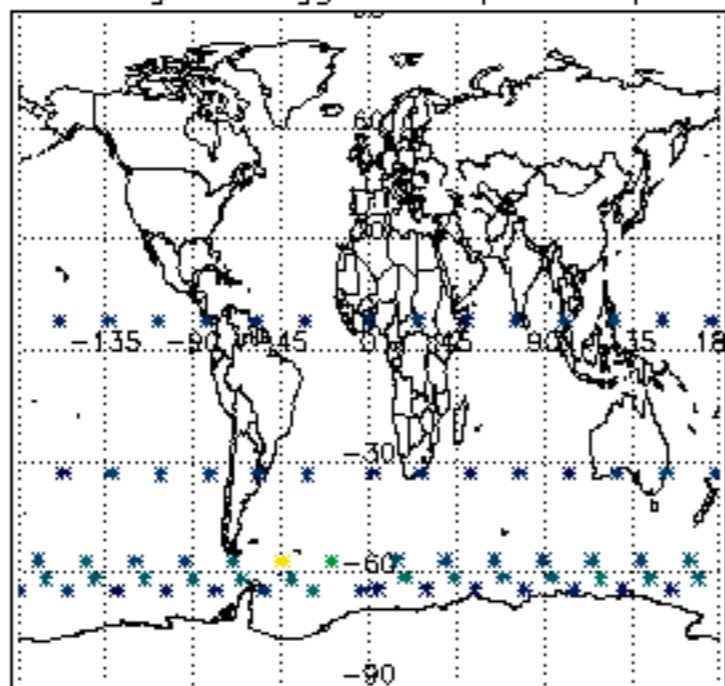
Percentage of flagged data per D3 profile



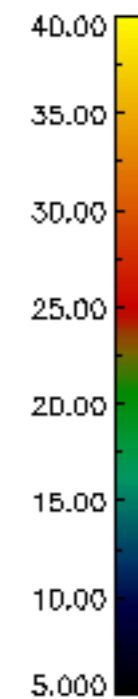
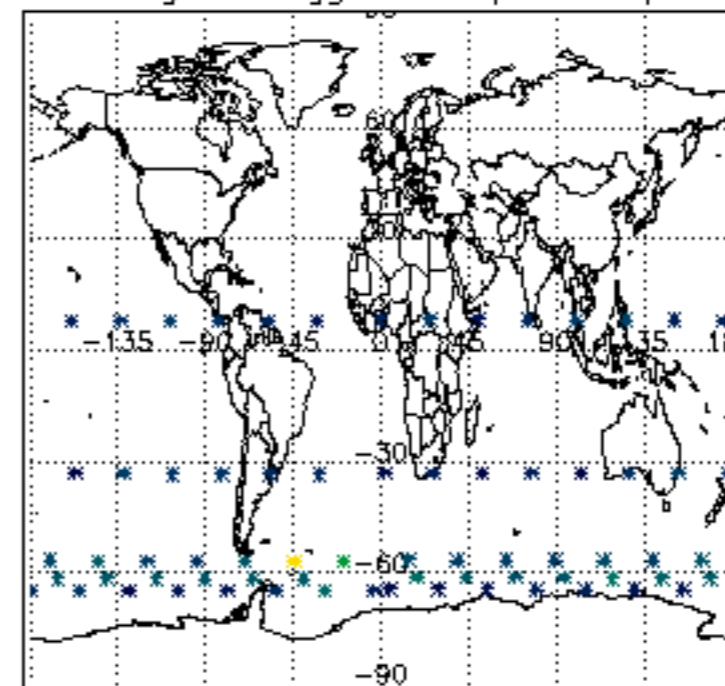
Percentage of flagged data per H2O profile

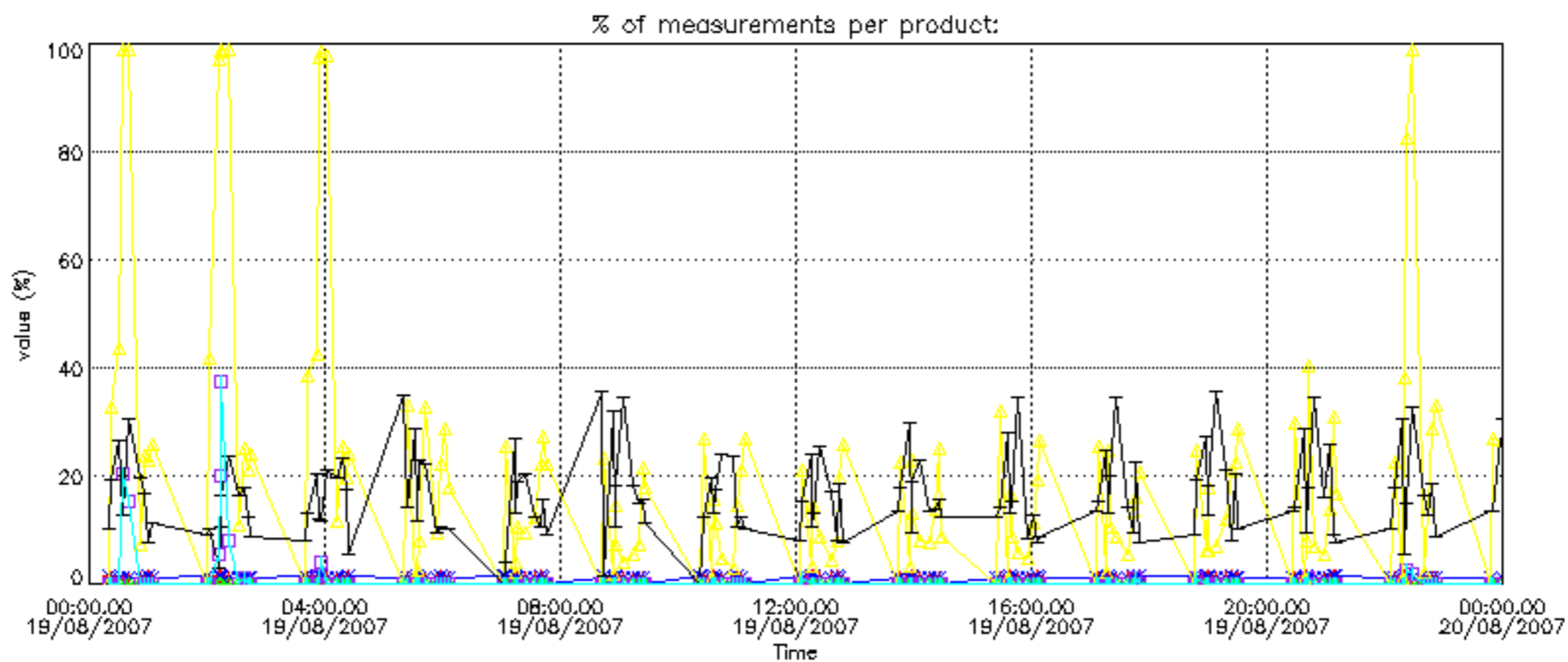


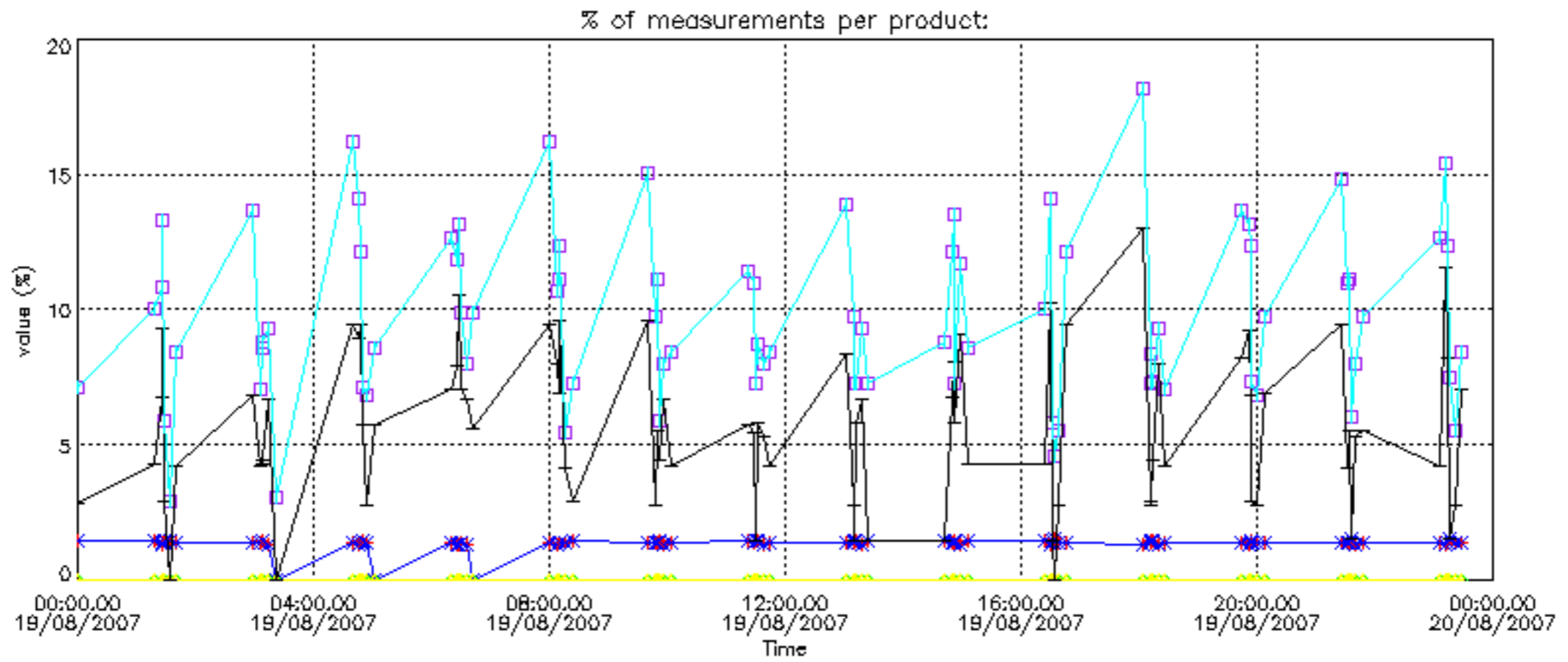
Percentage of flagged data per NO2 profile



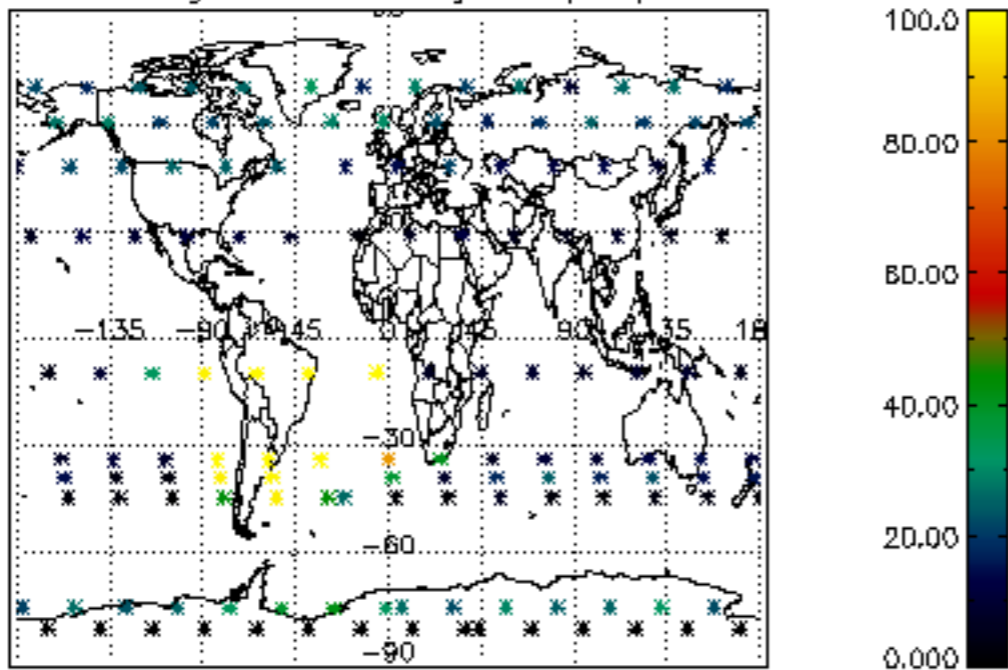
Percentage of flagged data per NO3 profile



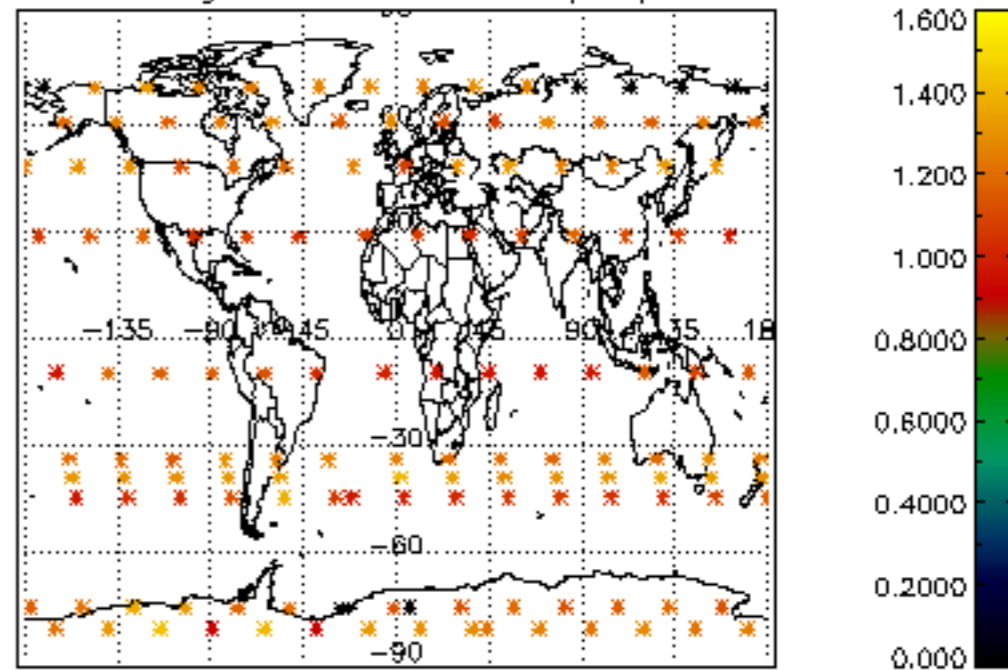




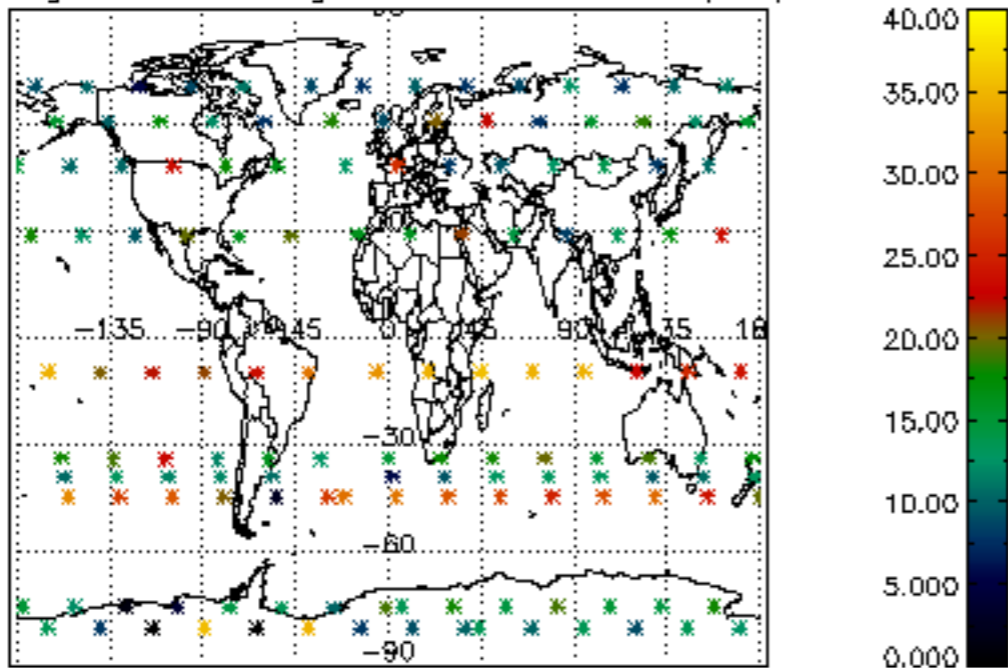
Percentage of cosmic ray hits per profile



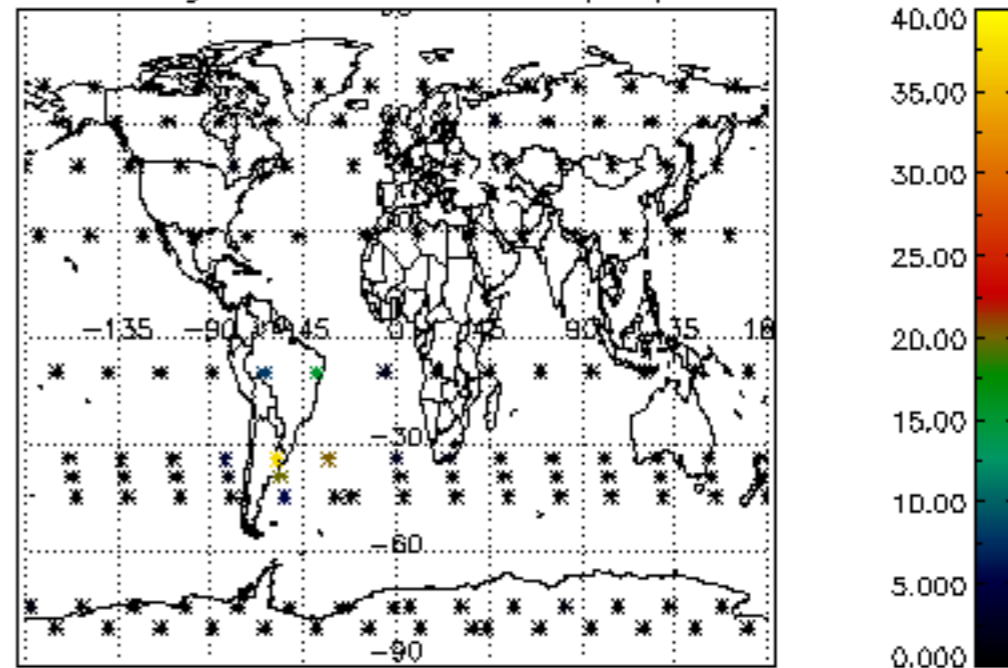
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

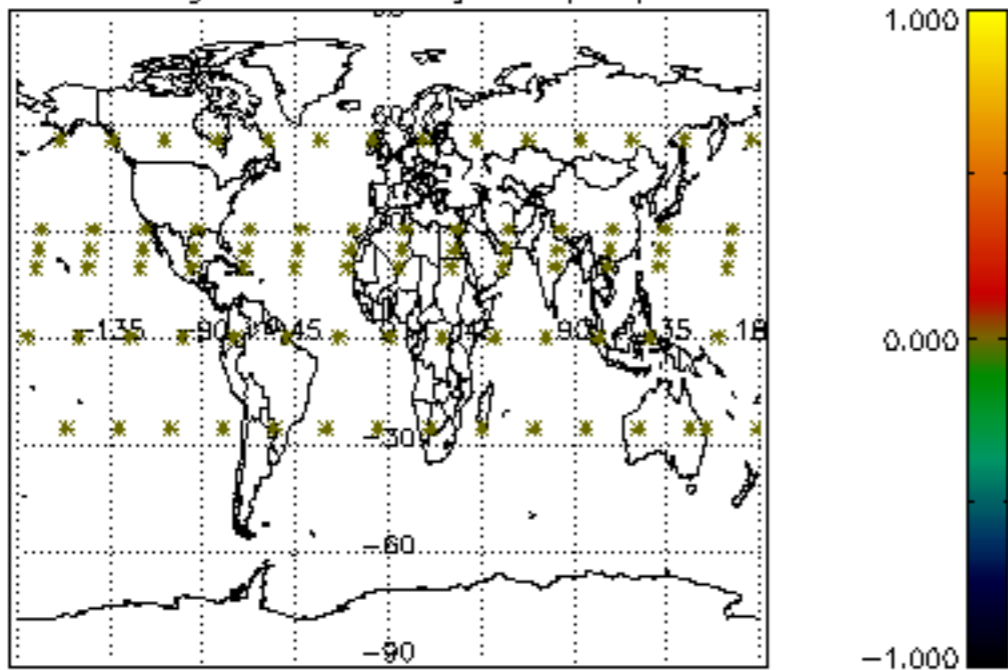


Percentage of saturation errors per profile

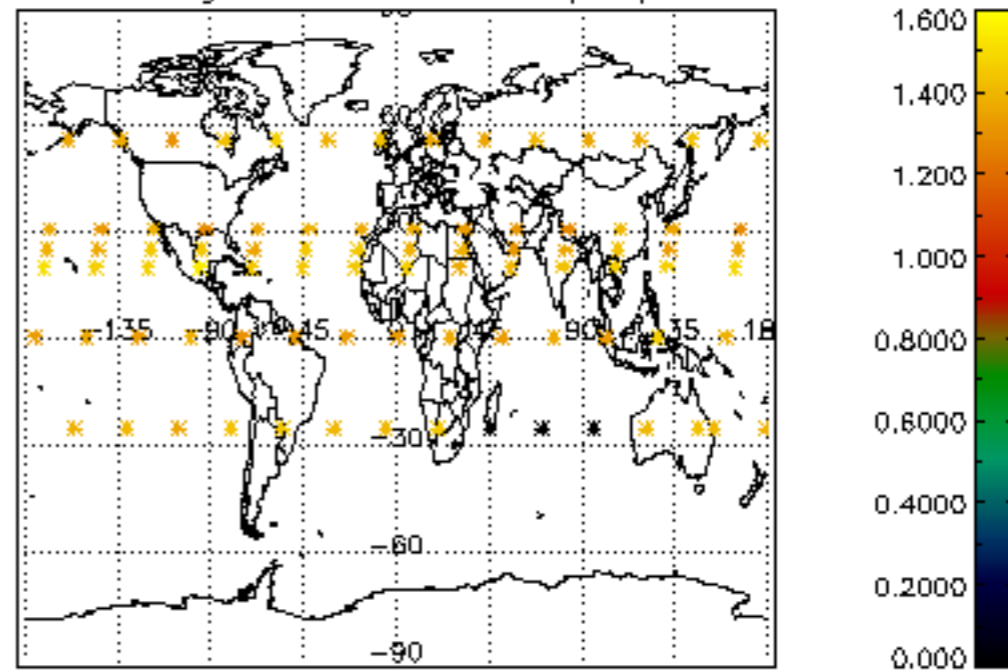




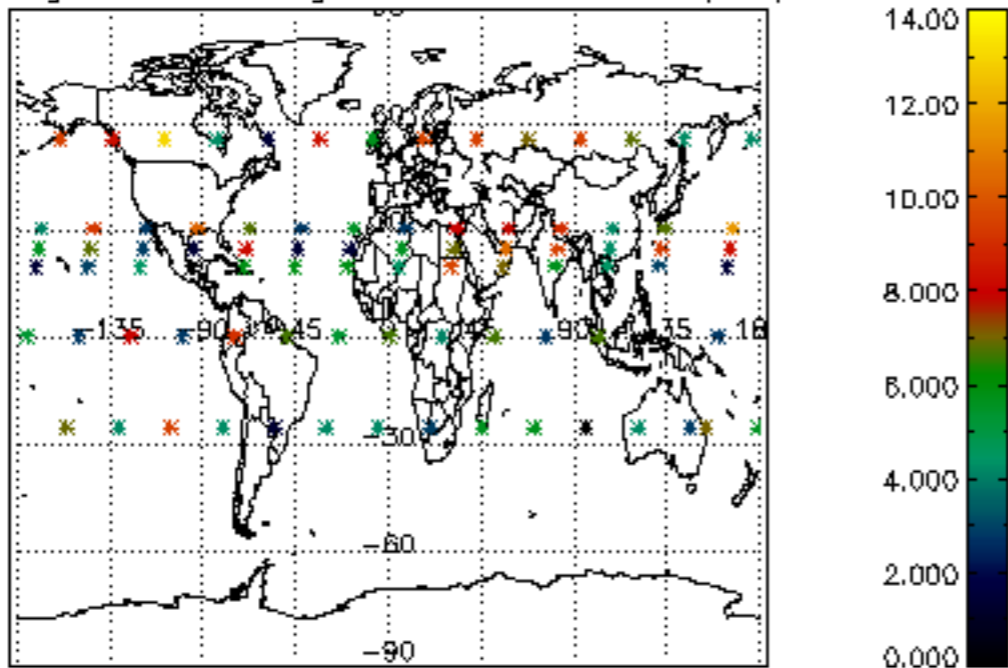
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

