

# 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	19APR2013 15:44:05
Data source version	GOMOS/6.01
Start time of products	13-06-2003 (13JUN2003 00:00:00)
Stop time of products	14-06-2003 (14JUN2003 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	167
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__2PRFIN20030613_125239_000000732017_00153_06720_6602.N1	13-JUN-2003 12:52:39	Dark	72.500	18	24Alp PsA	1.1660	9700.0	145	6720	No
2	GOM_NL__2PRFIN20030613_125630_000000492017_00153_06720_6603.N1	13-JUN-2003 12:56:30	Dark	48.500	31	Alp Gru	1.7340	15200.	97	6720	No
3	GOM_NL__2PRFIN20030613_125808_000000622017_00153_06720_6604.N1	13-JUN-2003 12:58:08	Straylight	61.500	172	Gam Gru	3.0030	13100.	123	6720	No
4	GOM_NL__2PRFIN20030613_130034_000000482017_00153_06720_6605.N1	13-JUN-2003 13:00:34	Straylight	47.500	45	Alp Pav	1.9400	26000.	95	6720	No
5	GOM_NL__2PRFIN20030613_130550_000000432017_00153_06720_6606.N1	13-JUN-2003 13:05:50	Straylight	42.500	141	Bet Ara	2.8400	4600.0	85	6720	No
6	GOM_NL__2PRFIN20030613_130711_000000402017_00153_06720_6607.N1	13-JUN-2003 13:07:11	Straylight	39.500	147	Alp Ara	2.8770	26000.	79	6720	No
7	GOM_NL__2PRFIN20030613_130856_000000442017_00153_06720_6608.N1	13-JUN-2003 13:08:56	Twilight	44.000	40	The Sco	1.8590	7100.0	88	6720	No
8	GOM_NL__2PRFIN20030613_131039_000000442017_00153_06720_6609.N1	13-JUN-2003 13:10:39	Twilight	44.000	25	35Lam Sco	1.6200	28000.	88	6720	No
9	GOM_NL__2PRFIN20030613_131219_000000742017_00153_06720_6610.N1	13-JUN-2003 13:12:19	Bright	74.000	57	34Sig Sgr	2.0660	26000.	148	6720	No
10	GOM_NL__2PRFIN20030613_131410_000000642017_00153_06720_6611.N1	13-JUN-2003 13:14:10	Bright	64.000	155	41Pi Sgr	2.9000	6600.0	128	6720	No
11	GOM_NL__2PRFIN20030613_131721_000000432017_00153_06720_6612.N1	13-JUN-2003 13:17:21	Bright	42.500	86	35Eta Oph	2.4300	10200.	85	6720	No
12	GOM_NL__2PRFIN20030613_131907_000000392017_00153_06720_6613.N1	13-JUN-2003 13:19:07	Bright	38.500	98	13Zet Oph	2.5710	30000.	77	6720	No
13	GOM_NL__2PRFIN20030613_132113_000000392017_00153_06720_6614.N1	13-JUN-2003 13:21:13	Bright	38.500	120	1Del Oph	2.7340	3200.0	77	6720	No
14	GOM_NL__2PRFIN20030613_132414_000000392017_00153_06720_6615.N1	13-JUN-2003 13:24:14	Bright	39.000	102	24Alp Ser	2.6000	4250.0	78	6720	No
15	GOM_NL__2PRFIN20030613_132644_000000482017_00153_06720_6616.N1	13-JUN-2003 13:26:44	Bright	47.500	59	55Alp Oph	2.0800	8900.0	95	6720	No
16	GOM_NL__2PRFIN20030613_132834_000000412017_00153_06720_6617.N1	13-JUN-2003 13:28:34	Bright	41.000	127	27Bet Her	2.7810	4700.0	82	6720	No
17	GOM_NL__2PRFIN20030613_132957_000000382017_00153_06720_6618.N1	13-JUN-2003 13:29:57	Bright	37.500	67	5Alp CrB	2.2210	11000.	75	6720	No
18	GOM_NL__2PRFIN20030613_133139_000000432017_00153_06720_6619.N1	13-JUN-2003 13:31:39	Bright	42.500	133	40Zet Her	2.8070	6000.0	85	6720	No
19	GOM_NL__2PRFIN20030613_133836_000000452017_00153_06720_6620.N1	13-JUN-2003 13:38:36	Bright	45.000	130	23Bet Dra	2.7990	5800.0	90	6720	No
20	GOM_NL__2PRFIN20030613_134319_000000402017_00153_06720_6621.N1	13-JUN-2003 13:43:19	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	6720	No
21	GOM_NL__2PRFIN20030613_134759_000000362017_00153_06720_6622.N1	13-JUN-2003 13:47:59	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	6720	No
22	GOM_NL__2PRFIN20030613_135442_000002552017_00153_06720_6623.N1	13-JUN-2003 13:54:42	Twilight	255.00	92	53Eps Cyg	2.5000	4500.0	510	6720	No
23	GOM_NL__2PRFIN20030613_140140_000000442017_00153_06720_6624.N1	13-JUN-2003 14:01:40	Bright	44.000	73	57Gam1And	2.2600	13100.	88	6720	No
24	GOM_NL__2PRFIN20030613_140402_000000592017_00153_06720_6625.N1	13-JUN-2003 14:04:02	Twilight	59.000	53	43Bet And	2.0480	3300.0	118	6720	No
25	GOM_NL__2PRFIN20030613_140724_000000482017_00153_06720_6626.N1	13-JUN-2003 14:07:24	Twilight	48.000	50	13Alp Ari	2.0070	4250.0	96	6720	No
26	GOM_NL__2PRFIN20030613_140951_000001522017_00153_06720_6627.N1	13-JUN-2003 14:09:51	Dark	151.50	93	53Bet Peg	2.5200	3100.0	303	6720	No
27	GOM_NL__2PRFIN20030613_142856_000000532017_00153_06720_6628.N1	13-JUN-2003 14:28:56	Dark	53.000	84	Alp Phe	2.3970	4500.0	106	6720	No
28	GOM_NL__2PRFIN20030613_143317_000000672017_00154_06721_7274.N1	13-JUN-2003 14:33:17	Dark	67.000	18	24Alp PsA	1.1660	9700.0	134	6721	No
29	GOM_NL__2PRFIN20030613_143704_000000542017_00154_06721_7275.N1	13-JUN-2003 14:37:04	Dark	54.000	31	Alp Gru	1.7340	15200.	108	6721	No
30	GOM_NL__2PRFIN20030613_143847_000000612017_00154_06721_7276.N1	13-JUN-2003 14:38:47	Straylight	60.500	172	Gam Gru	3.0030	13100.	121	6721	No
31	GOM_NL__2PRFIN20030613_144110_000000452017_00154_06721_7277.N1	13-JUN-2003 14:41:10	Straylight	44.500	45	Alp Pav	1.9400	26000.	89	6721	No
32	GOM_NL__2PRFIN20030613_144747_000000402017_00154_06721_7278.N1	13-JUN-2003 14:47:47	Straylight	40.000	147	Alp Ara	2.8770	26000.	80	6721	No
33	GOM_NL__2PRFIN20030613_144932_000000452017_00154_06721_7279.N1	13-JUN-2003 14:49:32	Twilight	44.500	40	The Sco	1.8590	7100.0	89	6721	No
34	GOM_NL__2PRFIN20030613_145114_000000472017_00154_06721_7280.N1	13-JUN-2003 14:51:14	Twilight	46.500	25	35Lam Sco	1.6200	28000.	93	6721	No
35	GOM_NL__2PRFIN20030613_145257_000000632017_00154_06721_7281.N1	13-JUN-2003 14:52:57	Bright	62.500	57	34Sig Sgr	2.0660	26000.	125	6721	No
36	GOM_NL__2PRFIN20030613_145448_000000622017_00154_06721_7282.N1	13-JUN-2003 14:54:48	Bright	62.000	155	41Pi Sgr	2.9000	6600.0	124	6721	No
37	GOM_NL__2PRFIN20030613_145757_000000432017_00154_06721_7283.N1	13-JUN-2003 14:57:57	Bright	42.500	86	35Eta Oph	2.4300	10200.	85	6721	No
38	GOM_NL__2PRFIN20030613_145943_000000392017_00154_06721_7284.N1	13-JUN-2003 14:59:43	Bright	39.000	98	13Zet Oph	2.5710	30000.	78	6721	No
39	GOM_NL__2PRFIN20030613_150149_000000392017_00154_06721_7285.N1	13-JUN-2003 15:01:49	Bright	39.000	120	1Del Oph	2.7340	3200.0	78	6721	No
40	GOM_NL__2PRFIN20030613_150717_000000492017_00154_06721_7286.N1	13-JUN-2003 15:07:17	Bright	48.500	59	55Alp Oph	2.0800	8900.0	97	6721	No
41	GOM_NL__2PRFIN20030613_150907_000000432017_00154_06721_7287.N1	13-JUN-2003 15:09:07	Bright	42.500	127	27Bet Her	2.7810	4700.0	85	6721	No
42	GOM_NL__2PRFIN20030613_151216_000000392017_00154_06721_7288.N1	13-JUN-2003 15:12:16	Bright	39.000	133	40Zet Her	2.8070	6000.0	78	6721	No

43	GOM_NL__2PRFIN20030613_151914_000000412017_00154_06721_7289.N1	13-JUN-2003 15:19:14	Bright	41.000	130	23Bet Dra	2.7990	5800.0	82	6721	No
44	GOM_NL__2PRFIN20030613_152837_000000372017_00154_06721_7290.N1	13-JUN-2003 15:28:37	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	6721	No
45	GOM_NL__2PRFIN20030613_153514_000002552017_00154_06721_7291.N1	13-JUN-2003 15:35:14	Twi_and_stray	255.00	92	53Eps Cyg	2.5000	4500.0	510	6721	No
46	GOM_NL__2PRFIN20030613_154219_000000412017_00154_06721_7292.N1	13-JUN-2003 15:42:19	Bright	41.000	73	57Gam1And	2.2600	13100.	82	6721	No
47	GOM_NL__2PRFIN20030613_154439_000000532017_00154_06721_7293.N1	13-JUN-2003 15:44:39	Twi_and_stray	52.500	53	43Bet And	2.0480	3300.0	105	6721	No
48	GOM_NL__2PRFIN20030613_154802_000000492017_00154_06721_7294.N1	13-JUN-2003 15:48:02	Twilight	49.000	50	13Alp Ari	2.0070	4250.0	98	6721	No
49	GOM_NL__2PRFIN20030613_155028_000001742017_00154_06721_7295.N1	13-JUN-2003 15:50:28	Dark	173.50	93	53Bet Peg	2.5200	3100.0	347	6721	No
50	GOM_NL__2PRFIN20030613_160937_000000462017_00154_06721_7296.N1	13-JUN-2003 16:09:37	Dark	46.000	84	Alp Phe	2.3970	4500.0	92	6721	No
51	GOM_NL__2PRFIN20030613_161355_000000672017_00155_06722_7275.N1	13-JUN-2003 16:13:55	Dark	67.000	18	24Alp PsA	1.1660	9700.0	134	6722	No
52	GOM_NL__2PRFIN20030613_161745_000000492017_00155_06722_7276.N1	13-JUN-2003 16:17:45	Dark	49.000	31	Alp Gru	1.7340	15200.	98	6722	No
53	GOM_NL__2PRFIN20030613_161926_000000602017_00155_06722_7277.N1	13-JUN-2003 16:19:26	Straylight	59.500	172	Gam Gru	3.0030	13100.	119	6722	No
54	GOM_NL__2PRFIN20030613_162149_000000432017_00155_06722_7278.N1	13-JUN-2003 16:21:49	Straylight	42.500	45	Alp Pav	1.9400	26000.	85	6722	No
55	GOM_NL__2PRFIN20030613_162825_000000392017_00155_06722_7279.N1	13-JUN-2003 16:28:25	Straylight	38.500	147	Alp Ara	2.8770	26000.	77	6722	No
56	GOM_NL__2PRFIN20030613_163009_000000452017_00155_06722_7280.N1	13-JUN-2003 16:30:09	Twi_and_stray	45.000	40	The Sco	1.8590	7100.0	90	6722	No
57	GOM_NL__2PRFIN20030613_163153_000000432017_00155_06722_7281.N1	13-JUN-2003 16:31:53	Twi_and_stray	43.000	25	35Lam Sco	1.6200	28000.	86	6722	No
58	GOM_NL__2PRFIN20030613_163335_000000582017_00155_06722_7282.N1	13-JUN-2003 16:33:35	Bright	58.000	57	34Sig Sgr	2.0660	26000.	116	6722	No
59	GOM_NL__2PRFIN20030613_163526_000000612017_00155_06722_7283.N1	13-JUN-2003 16:35:26	Bright	61.000	155	41Pi Sgr	2.9000	6600.0	122	6722	No
60	GOM_NL__2PRFIN20030613_163835_000000402017_00155_06722_7284.N1	13-JUN-2003 16:38:35	Bright	40.000	86	35Eta Oph	2.4300	10200.	80	6722	No
61	GOM_NL__2PRFIN20030613_164020_000000382017_00155_06722_7285.N1	13-JUN-2003 16:40:20	Bright	38.000	98	13Zet Oph	2.5710	30000.	76	6722	No
62	GOM_NL__2PRFIN20030613_164757_000000452017_00155_06722_7286.N1	13-JUN-2003 16:47:57	Bright	45.000	59	55Alp Oph	2.0800	8900.0	90	6722	No
63	GOM_NL__2PRFIN20030613_164947_000000392017_00155_06722_7287.N1	13-JUN-2003 16:49:47	Bright	38.500	127	27Bet Her	2.7810	4700.0	77	6722	No
64	GOM_NL__2PRFIN20030613_165252_000000412017_00155_06722_7288.N1	13-JUN-2003 16:52:52	Bright	40.500	133	40Zet Her	2.8070	6000.0	81	6722	No
65	GOM_NL__2PRFIN20030613_165949_000000422017_00155_06722_7289.N1	13-JUN-2003 16:59:49	Bright	42.000	130	23Bet Dra	2.7990	5800.0	84	6722	No
66	GOM_NL__2PRFIN20030613_170913_000000382017_00155_06722_7290.N1	13-JUN-2003 17:09:13	Bright	37.500	49	1Alp UMi	1.9900	6300.0	75	6722	No
67	GOM_NL__2PRFIN20030613_171546_000002552017_00155_06722_7291.N1	13-JUN-2003 17:15:46	Twi_and_stray	255.00	92	53Eps Cyg	2.5000	4500.0	510	6722	No
68	GOM_NL__2PRFIN20030613_172254_000000412017_00155_06722_7292.N1	13-JUN-2003 17:22:54	Bright	41.000	73	57Gam1And	2.2600	13100.	82	6722	No
69	GOM_NL__2PRFIN20030613_172515_000000532017_00155_06722_7293.N1	13-JUN-2003 17:25:15	Twi_and_stray	52.500	53	43Bet And	2.0480	3300.0	105	6722	No
70	GOM_NL__2PRFIN20030613_172839_000000492017_00155_06722_7294.N1	13-JUN-2003 17:28:39	Twilight	48.500	50	13Alp Ari	2.0070	4250.0	97	6722	No
71	GOM_NL__2PRFIN20030613_173104_000001742017_00155_06722_7295.N1	13-JUN-2003 17:31:04	Dark	173.50	93	53Bet Peg	2.5200	3100.0	347	6722	No
72	GOM_NL__2PRFIN20030613_175014_000000462017_00155_06722_7296.N1	13-JUN-2003 17:50:14	Dark	46.000	84	Alp Phe	2.3970	4500.0	92	6722	No
73	GOM_NL__2PRFIN20030613_175433_000000662017_00156_06723_7296.N1	13-JUN-2003 17:54:33	Dark	65.500	18	24Alp PsA	1.1660	9700.0	131	6723	No
74	GOM_NL__2PRFIN20030613_175822_000000502017_00156_06723_7297.N1	13-JUN-2003 17:58:22	Dark	49.500	31	Alp Gru	1.7340	15200.	99	6723	No
75	GOM_NL__2PRFIN20030613_180003_000000602017_00156_06723_7298.N1	13-JUN-2003 18:00:03	Straylight	60.000	172	Gam Gru	3.0030	13100.	120	6723	No
76	GOM_NL__2PRFIN20030613_180226_000000432017_00156_06723_7299.N1	13-JUN-2003 18:02:26	Straylight	43.000	45	Alp Pav	1.9400	26000.	86	6723	No
77	GOM_NL__2PRFIN20030613_180901_000000392017_00156_06723_7300.N1	13-JUN-2003 18:09:01	Straylight	39.000	147	Alp Ara	2.8770	26000.	78	6723	No
78	GOM_NL__2PRFIN20030613_181046_000000482017_00156_06723_7301.N1	13-JUN-2003 18:10:46	Twi_and_stray	47.500	40	The Sco	1.8590	7100.0	95	6723	No
79	GOM_NL__2PRFIN20030613_181229_000000462017_00156_06723_7302.N1	13-JUN-2003 18:12:29	Twi_and_stray	45.500	25	35Lam Sco	1.6200	28000.	91	6723	No
80	GOM_NL__2PRFIN20030613_181411_000000562017_00156_06723_7303.N1	13-JUN-2003 18:14:11	Bright	55.500	57	34Sig Sgr	2.0660	26000.	111	6723	No
81	GOM_NL__2PRFIN20030613_181602_000000592017_00156_06723_7304.N1	13-JUN-2003 18:16:02	Bright	59.000	155	41Pi Sgr	2.9000	6600.0	118	6723	No
82	GOM_NL__2PRFIN20030613_181911_000000412017_00156_06723_7305.N1	13-JUN-2003 18:19:11	Bright	41.000	86	35Eta Oph	2.4300	10200.	82	6723	No
83	GOM_NL__2PRFIN20030613_182056_000000402017_00156_06723_7306.N1	13-JUN-2003 18:20:56	Bright	39.500	98	13Zet Oph	2.5710	30000.	79	6723	No
84	GOM_NL__2PRFIN20030613_182302_000000382017_00156_06723_7307.N1	13-JUN-2003 18:23:02	Bright	38.000	120	1Del Oph	2.7340	3200.0	76	6723	No
85	GOM_NL__2PRFIN20030613_182832_000000462017_00156_06723_7308.N1	13-JUN-2003 18:28:32	Bright	46.000	59	55Alp Oph	2.0800	8900.0	92	6723	No
86	GOM_NL__2PRFIN20030613_183023_000000402017_00156_06723_7309.N1	13-JUN-2003 18:30:23	Bright	40.000	127	27Bet Her	2.7810	4700.0	80	6723	No
87	GOM_NL__2PRFIN20030613_183328_000000382017_00156_06723_7310.N1	13-JUN-2003 18:33:28	Bright	38.000	133	40Zet Her	2.8070	6000.0	76	6723	No
88	GOM_NL__2PRFIN20030613_184024_000000432017_00156_06723_7311.N1	13-JUN-2003 18:40:24	Bright	42.500	130	23Bet Dra	2.7990	5800.0	85	6723	No
89	GOM_NL__2PRFIN20030613_184949_000000372017_00156_06723_7312.N1	13-JUN-2003 18:49:49	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	6723	No
90	GOM_NL__2PRFIN20030613_185618_000002552017_00156_06723_7313.N1	13-JUN-2003 18:56:18	Twi_and_stray	255.00	92	53Eps Cyg	2.5000	4500.0	510	6723	No
91	GOM_NL__2PRFIN20030613_190331_000000402017_00156_06723_7314.N1	13-JUN-2003 19:03:31	Bright	40.000	73	57Gam1And	2.2600	13100.	80	6723	No
92	GOM_NL__2PRFIN20030613_190551_000000572017_00156_06723_7315.N1	13-JUN-2003 19:05:51	Twi_and_stray	56.500	53	43Bet And	2.0480	3300.0	113	6723	No
93	GOM_NL__2PRFIN20030613_190915_000000482017_00156_06723_7316.N1	13-JUN-2003 19:09:15	Twilight	48.000	50	13Alp Ari	2.0070	4250.0	96	6723	No
94	GOM_NL__2PRFIN20030613_191142_000001612017_00156_06723_7317.N1	13-JUN-2003 19:11:42	Dark	161.00	93	53Bet Peg	2.5200	3100.0	322	6723	No
95	GOM_NL__2PRFIN20030613_193051_000000462017_00156_06723_7318.N1	13-JUN-2003 19:30:51	Dark	45.500	84	Alp Phe	2.3970	4500.0	91	6723	No
96	GOM_NL__2PRFIN20030613_193510_000000702017_00157_06724_7297.N1	13-JUN-2003 19:35:10	Dark	69.500	18	24Alp PsA	1.1660	9700.0	139	6724	No
97	GOM_NL__2PRFIN20030613_193859_000000512017_00157_06724_7298.N1	13-JUN-2003 19:38:59	Dark	50.500	31	Alp Gru	1.7340	15200.	101	6724	No
98	GOM_NL__2PRFIN20030613_194040_000000592017_00157_06724_7299.N1	13-JUN-2003 19:40:40	Straylight	58.500	172	Gam Gru	3.0030	13100.	117	6724	No
99	GOM_NL__2PRFIN20030613_194302_000000492017_00157_06724_7300.N1	13-JUN-2003 19:43:02	Straylight	49.000	45	Alp Pav	1.9400	26000.	98	6724	No
100	GOM_NL__2PRFIN20030613_194938_000000382017_00157_06724_7301.N1	13-JUN-2003 19:49:38	Straylight	38.000	147	Alp Ara	2.8770	26000.	76	6724	No
101	GOM_NL__2PRFIN20030613_195122_000000442017_00157_06724_7302.N1	13-JUN-2003 19:51:22	Twi_and_stray	44.000	40	The Sco	1.8590	7100.0	88	6724	No

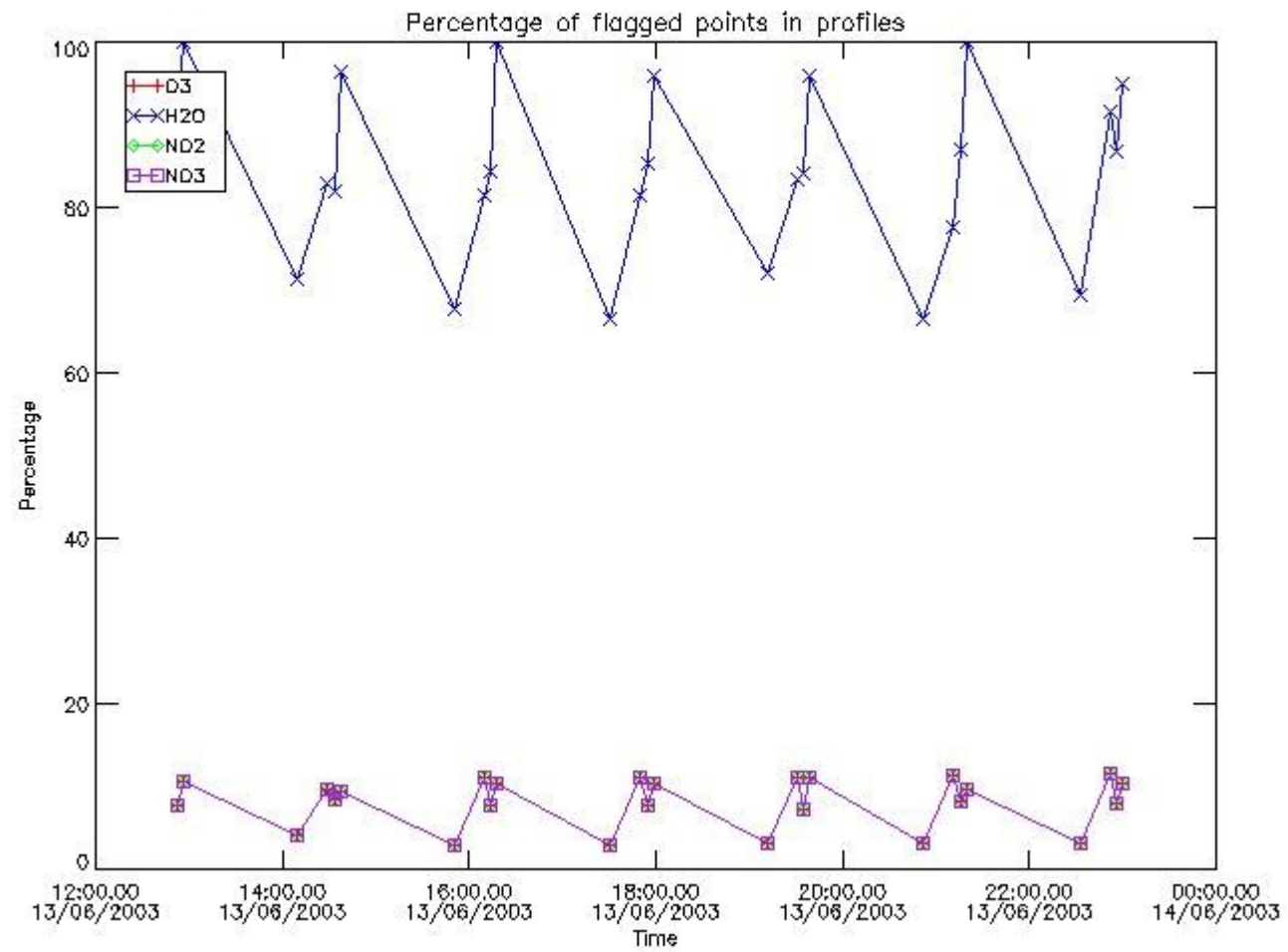
102	GOM_NL__2PRFIN20030613_195306_000000442017_00157_06724_7303.N1	13-JUN-2003 19:53:06	Twilight	44.000	25	35Lam Sco	1.6200	28000.	88	6724	No
103	GOM_NL__2PRFIN20030613_195448_000000532017_00157_06724_7304.N1	13-JUN-2003 19:54:48	Bright	53.000	57	34Sig Sgr	2.0660	26000.	106	6724	No
104	GOM_NL__2PRFIN20030613_195638_000000632017_00157_06724_7305.N1	13-JUN-2003 19:56:38	Bright	62.500	155	41Pi Sgr	2.9000	6600.0	125	6724	No
105	GOM_NL__2PRFIN20030613_195947_000000412017_00157_06724_7306.N1	13-JUN-2003 19:59:47	Bright	41.000	86	35Eta Oph	2.4300	10200.	82	6724	No
106	GOM_NL__2PRFIN20030613_200132_000000382017_00157_06724_7307.N1	13-JUN-2003 20:01:32	Bright	38.000	98	13Zet Oph	2.5710	30000.	76	6724	No
107	GOM_NL__2PRFIN20030613_200908_000000472017_00157_06724_7308.N1	13-JUN-2003 20:09:08	Bright	46.500	59	55Alp Oph	2.0800	8900.0	93	6724	No
108	GOM_NL__2PRFIN20030613_201058_000000392017_00157_06724_7309.N1	13-JUN-2003 20:10:58	Bright	38.500	127	27Bet Her	2.7810	4700.0	77	6724	No
109	GOM_NL__2PRFIN20030613_201404_000000412017_00157_06724_7310.N1	13-JUN-2003 20:14:04	Bright	40.500	133	40Zet Her	2.8070	6000.0	81	6724	No
110	GOM_NL__2PRFIN20030613_202100_000000422017_00157_06724_7311.N1	13-JUN-2003 20:21:00	Bright	42.000	130	23Bet Dra	2.7990	5800.0	84	6724	No
111	GOM_NL__2PRFIN20030613_203025_000000362017_00157_06724_7312.N1	13-JUN-2003 20:30:25	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	6724	No
112	GOM_NL__2PRFIN20030613_203650_000002552017_00157_06724_7313.N1	13-JUN-2003 20:36:50	Twilight	255.00	92	53Eps Cyg	2.5000	4500.0	510	6724	No
113	GOM_NL__2PRFIN20030613_204406_000000402017_00157_06724_7314.N1	13-JUN-2003 20:44:06	Bright	40.000	73	57Gam1And	2.2600	13100.	80	6724	No
114	GOM_NL__2PRFIN20030613_204627_000000592017_00157_06724_7315.N1	13-JUN-2003 20:46:27	Twilight	58.500	53	43Bet And	2.0480	3300.0	117	6724	No
115	GOM_NL__2PRFIN20030613_204951_000000492017_00157_06724_7316.N1	13-JUN-2003 20:49:51	Twilight	48.500	50	13Alp Ari	2.0070	4250.0	97	6724	No
116	GOM_NL__2PRFIN20030613_205218_000001692017_00157_06724_7317.N1	13-JUN-2003 20:52:18	Dark	168.50	93	53Bet Peg	2.5200	3100.0	337	6724	No
117	GOM_NL__2PRFIN20030613_211127_000000452017_00157_06724_7318.N1	13-JUN-2003 21:11:27	Dark	45.000	84	Alp Phe	2.3970	4500.0	90	6724	No
118	GOM_NL__2PRFIN20030613_211548_000000692017_00158_06725_7298.N1	13-JUN-2003 21:15:48	Dark	69.000	18	24Alp PsA	1.1660	9700.0	138	6725	No
119	GOM_NL__2PRFIN20030613_211936_000000532017_00158_06725_7299.N1	13-JUN-2003 21:19:36	Dark	52.500	31	Alp Gru	1.7340	15200.	105	6725	No
120	GOM_NL__2PRFIN20030613_212118_000000592017_00158_06725_7300.N1	13-JUN-2003 21:21:18	Straylight	59.000	172	Gam Gru	3.0030	13100.	118	6725	No
121	GOM_NL__2PRFIN20030613_212339_000000432017_00158_06725_7301.N1	13-JUN-2003 21:23:39	Straylight	43.000	45	Alp Pav	1.9400	26000.	86	6725	No
122	GOM_NL__2PRFIN20030613_212852_000000462017_00158_06725_6298.N1	13-JUN-2003 21:28:52	Straylight	46.000	141	Bet Ara	2.8400	4600.0	92	6725	No
123	GOM_NL__2PRFIN20030613_213014_000000392017_00158_06725_6299.N1	13-JUN-2003 21:30:14	Straylight	38.500	147	Alp Ara	2.8770	26000.	77	6725	No
124	GOM_NL__2PRFIN20030613_213259_000000422017_00158_06725_6300.N1	13-JUN-2003 21:32:59	Twilight	41.500	85	Kap Sco	2.4070	28000.	83	6725	No
125	GOM_NL__2PRFIN20030613_213524_000000582017_00158_06725_6301.N1	13-JUN-2003 21:35:24	Bright	57.500	57	34Sig Sgr	2.0660	26000.	115	6725	No
126	GOM_NL__2PRFIN20030613_213715_000000602017_00158_06725_6302.N1	13-JUN-2003 21:37:15	Bright	59.500	155	41Pi Sgr	2.9000	6600.0	119	6725	No
127	GOM_NL__2PRFIN20030613_214023_000000402017_00158_06725_6303.N1	13-JUN-2003 21:40:23	Bright	40.000	86	35Eta Oph	2.4300	10200.	80	6725	No
128	GOM_NL__2PRFIN20030613_214208_000000382017_00158_06725_6304.N1	13-JUN-2003 21:42:08	Bright	37.500	98	13Zet Oph	2.5710	30000.	75	6725	No
129	GOM_NL__2PRFIN20030613_214415_000000372017_00158_06725_6305.N1	13-JUN-2003 21:44:15	Bright	37.000	120	1Del Oph	2.7340	3200.0	74	6725	No
130	GOM_NL__2PRFIN20030613_214716_000000362017_00158_06725_6306.N1	13-JUN-2003 21:47:16	Bright	35.500	102	24Alp Ser	2.6000	4250.0	71	6725	No
131	GOM_NL__2PRFIN20030613_214943_000000462017_00158_06725_6307.N1	13-JUN-2003 21:49:43	Bright	45.500	59	55Alp Oph	2.0800	8900.0	91	6725	No
132	GOM_NL__2PRFIN20030613_215134_000000412017_00158_06725_6308.N1	13-JUN-2003 21:51:34	Bright	40.500	127	27Bet Her	2.7810	4700.0	81	6725	No
133	GOM_NL__2PRFIN20030613_215259_000000382017_00158_06725_6309.N1	13-JUN-2003 21:52:59	Bright	38.000	67	5Alp CrB	2.2210	11000.	76	6725	No
134	GOM_NL__2PRFIN20030613_215440_000000402017_00158_06725_6310.N1	13-JUN-2003 21:54:40	Bright	39.500	133	40Zet Her	2.8070	6000.0	79	6725	No
135	GOM_NL__2PRFIN20030613_220135_000000422017_00158_06725_6311.N1	13-JUN-2003 22:01:35	Bright	42.000	130	23Bet Dra	2.7990	5800.0	84	6725	No
136	GOM_NL__2PRFIN20030613_220300_000000392017_00158_06725_6312.N1	13-JUN-2003 22:03:00	Bright	38.500	119	14Eta Dra	2.7270	4700.0	77	6725	No
137	GOM_NL__2PRFIN20030613_220622_000000382017_00158_06725_6313.N1	13-JUN-2003 22:06:22	Bright	38.000	60	7Bet UMi	2.0810	3950.0	76	6725	No
138	GOM_NL__2PRFIN20030613_221101_000000372017_00158_06725_6314.N1	13-JUN-2003 22:11:01	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	6725	No
139	GOM_NL__2PRFIN20030613_221823_000000632017_00158_06725_6315.N1	13-JUN-2003 22:18:23	Bright	63.000	74	11Bet Cas	2.2680	6600.0	126	6725	No
140	GOM_NL__2PRFIN20030613_222114_000000522017_00158_06725_6316.N1	13-JUN-2003 22:21:14	Bright	52.000	160	23Gam Per	2.9300	4700.0	104	6725	No
141	GOM_NL__2PRFIN20030613_222443_000000412017_00158_06725_6317.N1	13-JUN-2003 22:24:43	Bright	40.500	73	57Gam1And	2.2600	13100.	81	6725	No
142	GOM_NL__2PRFIN20030613_222703_000000552017_00158_06725_6318.N1	13-JUN-2003 22:27:03	Twilight	55.000	53	43Bet And	2.0480	3300.0	110	6725	No
143	GOM_NL__2PRFIN20030613_223027_000000492017_00158_06725_6319.N1	13-JUN-2003 22:30:27	Twilight	49.000	50	13Alp Ari	2.0070	4250.0	98	6725	No
144	GOM_NL__2PRFIN20030613_223256_000001682017_00158_06725_6320.N1	13-JUN-2003 22:32:56	Dark	167.50	93	53Bet Peg	2.5200	3100.0	335	6725	No
145	GOM_NL__2PRFIN20030613_225204_000000482017_00158_06725_6321.N1	13-JUN-2003 22:52:04	Dark	48.000	84	Alp Phe	2.3970	4500.0	96	6725	No
146	GOM_NL__2PRFIN20030613_225626_000000652017_00159_06726_6296.N1	13-JUN-2003 22:56:26	Dark	64.500	18	24Alp PsA	1.1660	9700.0	129	6726	No
147	GOM_NL__2PRFIN20030613_230013_000000492017_00159_06726_6297.N1	13-JUN-2003 23:00:13	Dark	49.000	31	Alp Gru	1.7340	15200.	98	6726	No
148	GOM_NL__2PRFIN20030613_230155_000000592017_00159_06726_6298.N1	13-JUN-2003 23:01:55	Straylight	59.000	172	Gam Gru	3.0030	13100.	118	6726	No
149	GOM_NL__2PRFIN20030613_230415_000000442017_00159_06726_6299.N1	13-JUN-2003 23:04:15	Straylight	43.500	45	Alp Pav	1.9400	26000.	87	6726	No
150	GOM_NL__2PRFIN20030613_230929_000000432017_00159_06726_6300.N1	13-JUN-2003 23:09:29	Straylight	42.500	141	Bet Ara	2.8400	4600.0	85	6726	No
151	GOM_NL__2PRFIN20030613_231050_000000402017_00159_06726_6301.N1	13-JUN-2003 23:10:50	Straylight	39.500	147	Alp Ara	2.8770	26000.	79	6726	No
152	GOM_NL__2PRFIN20030613_231335_000000412017_00159_06726_6302.N1	13-JUN-2003 23:13:35	Twilight	41.000	85	Kap Sco	2.4070	28000.	82	6726	No
153	GOM_NL__2PRFIN20030613_231600_000000632017_00159_06726_6303.N1	13-JUN-2003 23:16:00	Bright	63.000	57	34Sig Sgr	2.0660	26000.	126	6726	No
154	GOM_NL__2PRFIN20030613_231751_000000612017_00159_06726_6304.N1	13-JUN-2003 23:17:51	Bright	61.000	155	41Pi Sgr	2.9000	6600.0	122	6726	No
155	GOM_NL__2PRFIN20030613_232059_000000402017_00159_06726_6305.N1	13-JUN-2003 23:20:59	Bright	40.000	86	35Eta Oph	2.4300	10200.	80	6726	No
156	GOM_NL__2PRFIN20030613_232244_000000392017_00159_06726_6306.N1	13-JUN-2003 23:22:44	Bright	38.500	98	13Zet Oph	2.5710	30000.	77	6726	No
157	GOM_NL__2PRFIN20030613_232450_000000382017_00159_06726_6307.N1	13-JUN-2003 23:24:50	Bright	37.500	120	1Del Oph	2.7340	3200.0	75	6726	No
158	GOM_NL__2PRFIN20030613_232752_000000362017_00159_06726_6308.N1	13-JUN-2003 23:27:52	Bright	35.500	102	24Alp Ser	2.6000	4250.0	71	6726	No
159	GOM_NL__2PRFIN20030613_233019_000000462017_00159_06726_6309.N1	13-JUN-2003 23:30:19	Bright	45.500	59	55Alp Oph	2.0800	8900.0	91	6726	No
160	GOM_NL__2PRFIN20030613_233210_000000392017_00159_06726_6310.N1	13-JUN-2003 23:32:10	Bright	39.000	127	27Bet Her	2.7810	4700.0	78	6726	No

161	GOM_NL__2PRFIN20030613_233335_000000372017_00159_06726_6311.N1	13-JUN-2003 23:33:35	Bright	37.000	67	5Alp CrB	2.2210	11000.	74	6726	No
162	GOM_NL__2PRFIN20030613_233515_000000392017_00159_06726_6312.N1	13-JUN-2003 23:35:15	Bright	39.000	133	40Zet Her	2.8070	6000.0	78	6726	No
163	GOM_NL__2PRFIN20030613_234211_000000412017_00159_06726_6313.N1	13-JUN-2003 23:42:11	Bright	40.500	130	23Bet Dra	2.7990	5800.0	81	6726	No
164	GOM_NL__2PRFIN20030613_234336_000000382017_00159_06726_6314.N1	13-JUN-2003 23:43:36	Bright	38.000	119	14Eta Dra	2.7270	4700.0	76	6726	No
165	GOM_NL__2PRFIN20030613_234657_000000382017_00159_06726_6315.N1	13-JUN-2003 23:46:57	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	6726	No
166	GOM_NL__2PRFIN20030613_235136_000000372017_00159_06726_6316.N1	13-JUN-2003 23:51:36	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	6726	No
167	GOM_NL__2PRFIN20030613_235859_000000452017_00159_06726_6317.N1	13-JUN-2003 23:58:59	Bright	44.500	74	11Bet Cas	2.2680	6600.0	89	6726	No

### 3. Quality information per product

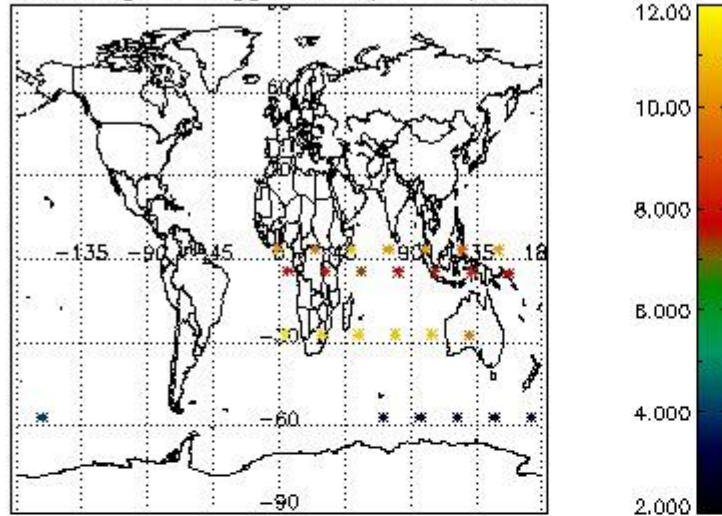
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

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

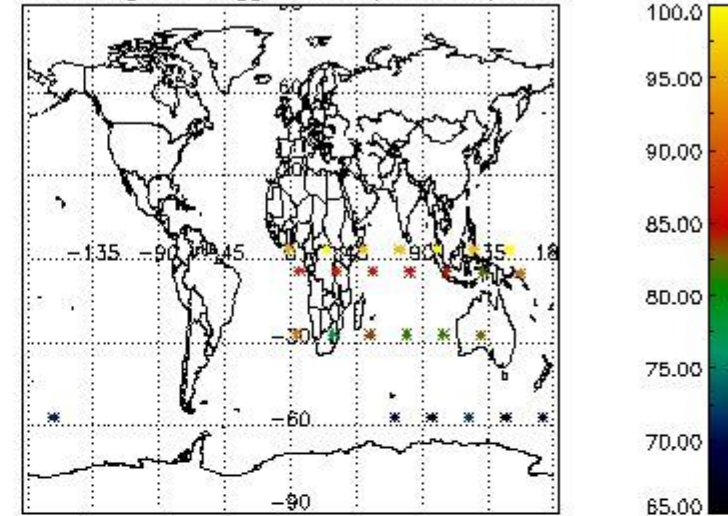


#### 3.2 Plot quality information per product (world map)

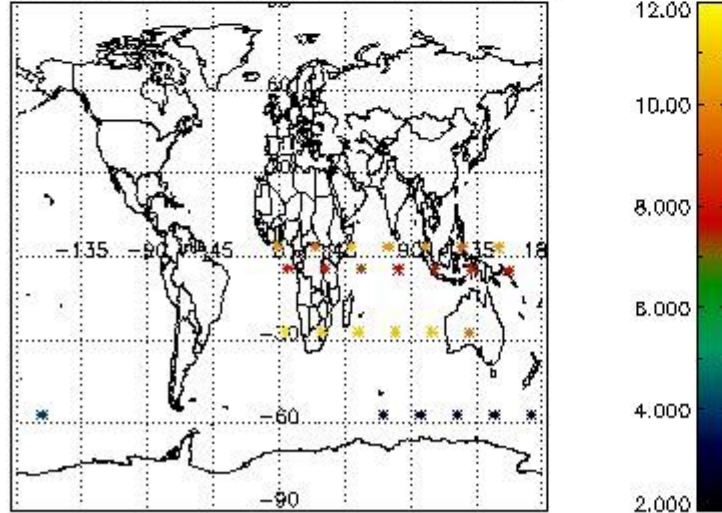
Percentage of flagged data per O3 profile



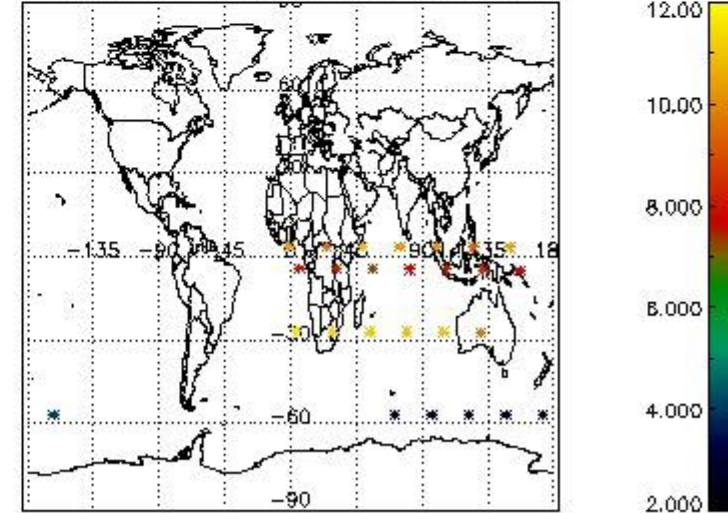
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

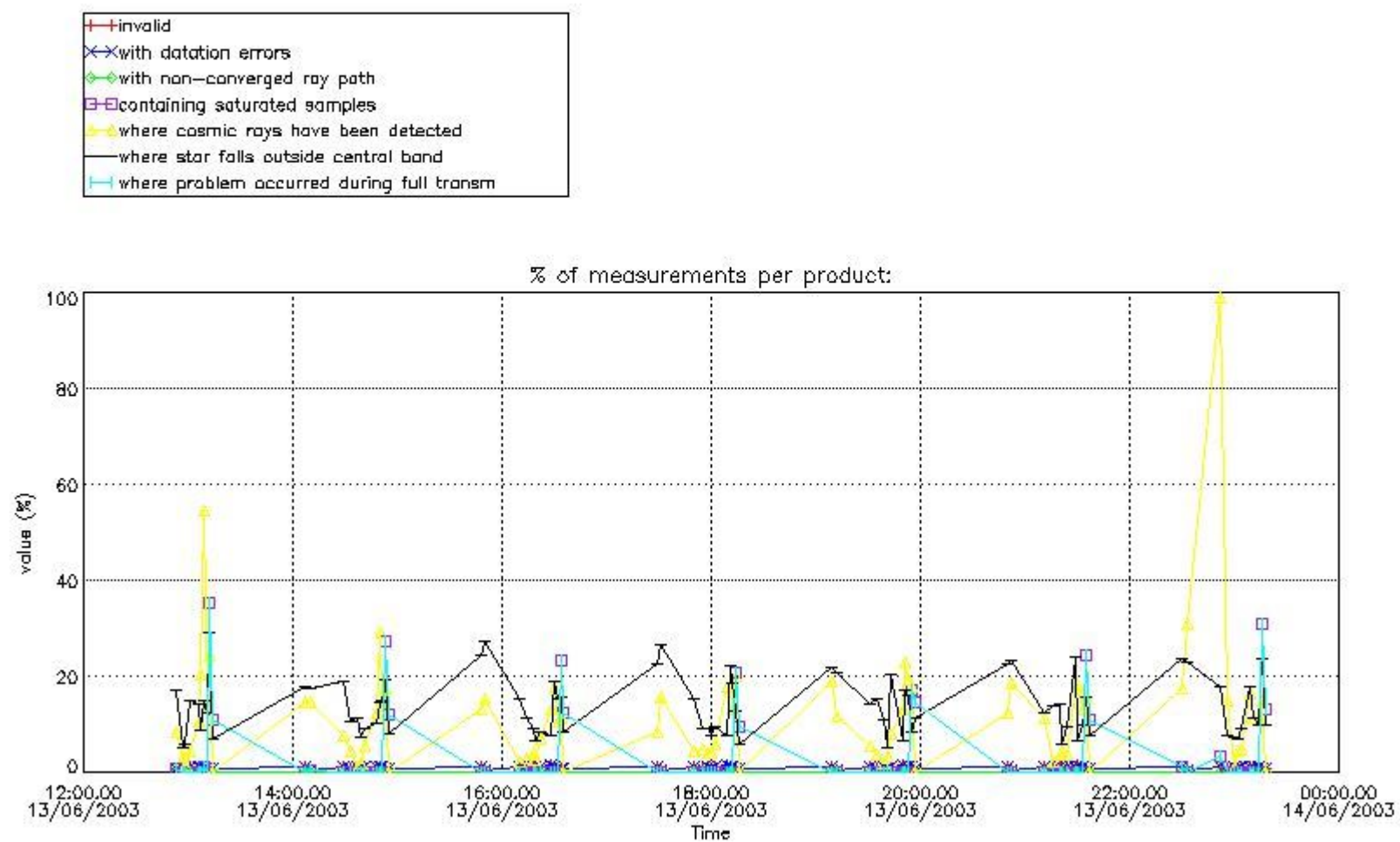


#### 4. Level 1 quality information per product

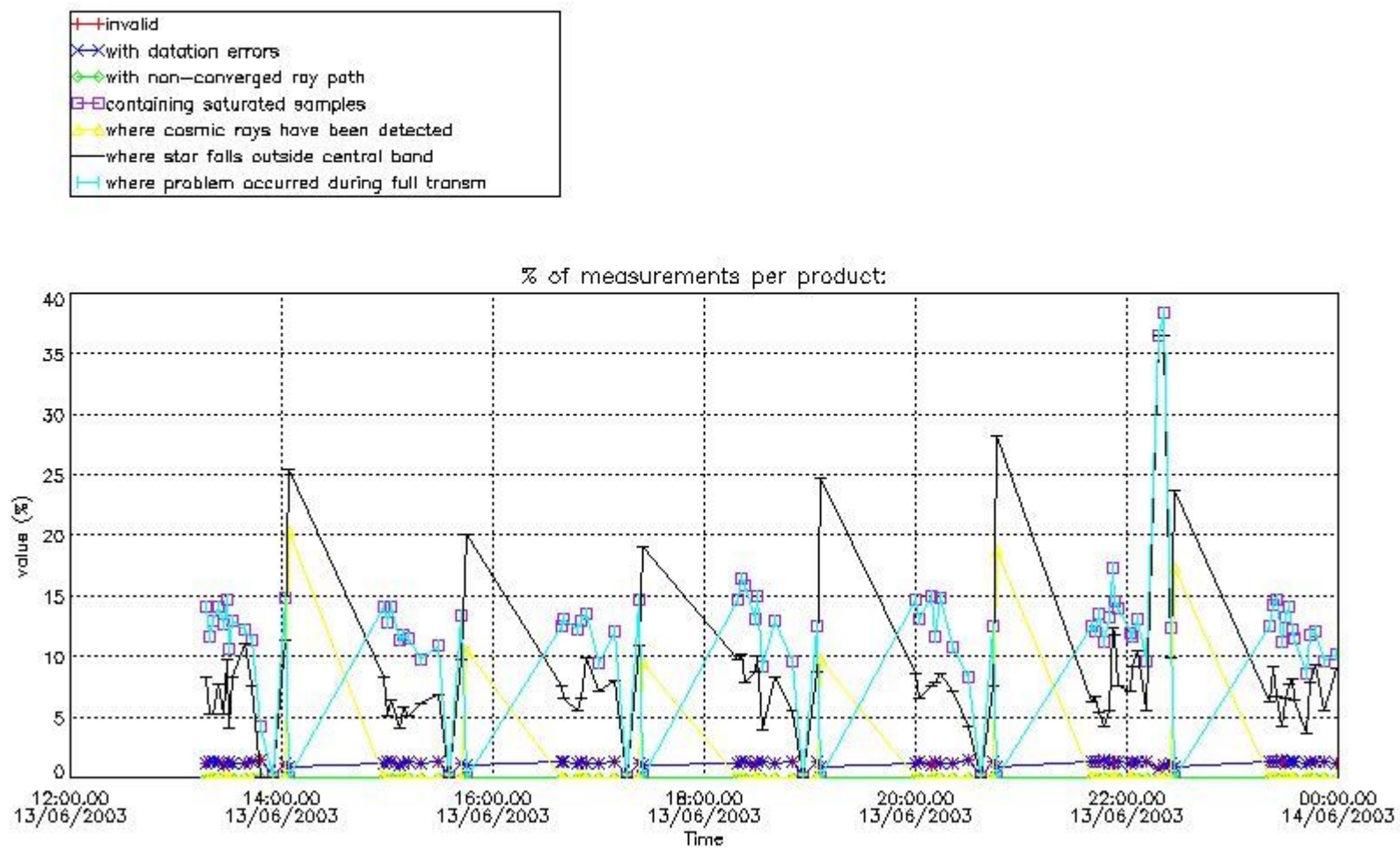
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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



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

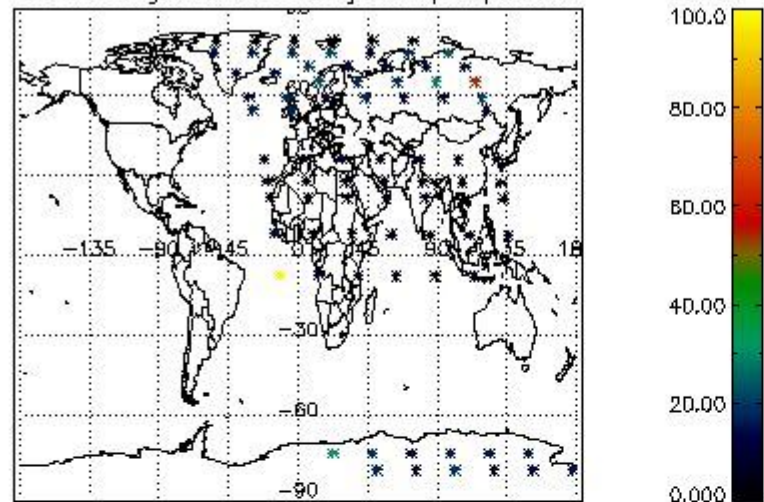


*4.2 Plot quality information per product coming from level 1b processing (world map)*

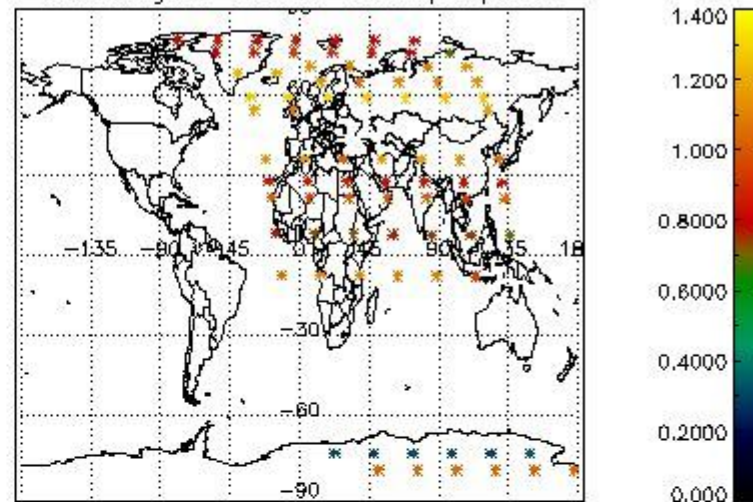
*4.2.1 Plot level 1 quality information per product (world map): ENVISAT ASCENDING passes*



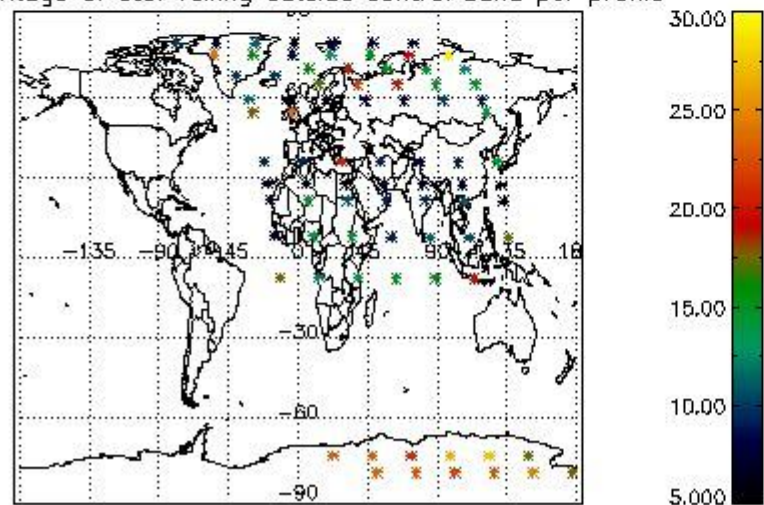
Percentage of cosmic ray hits per profile



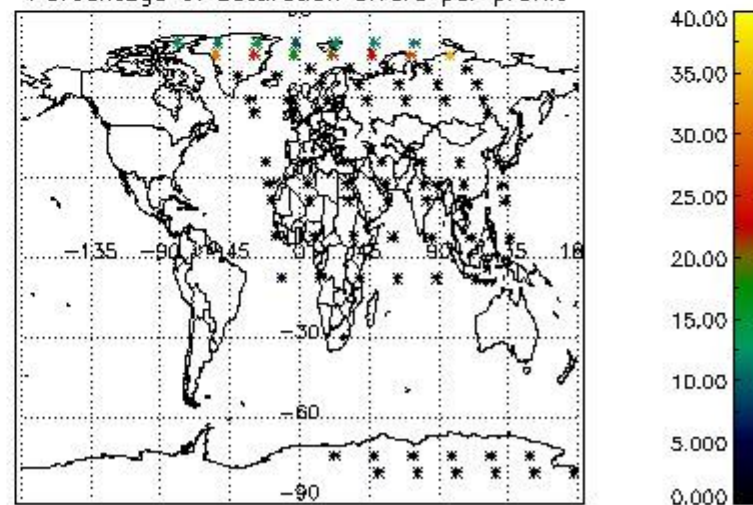
Percentage of datation errors per profile



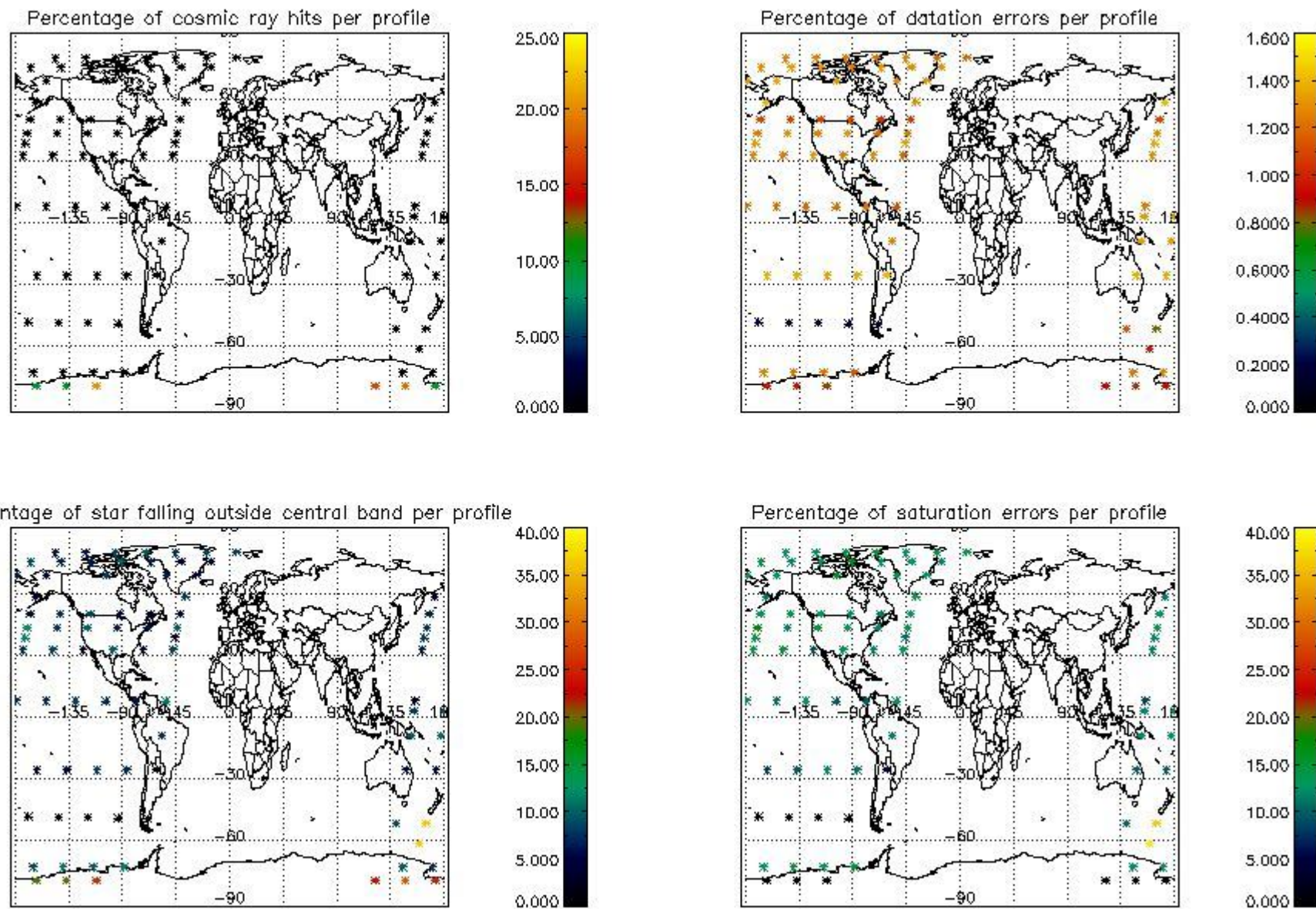
Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



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



## 5. Trace gas profiles

### 5.1 Ozone statistics based on quality of products

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

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

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

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

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

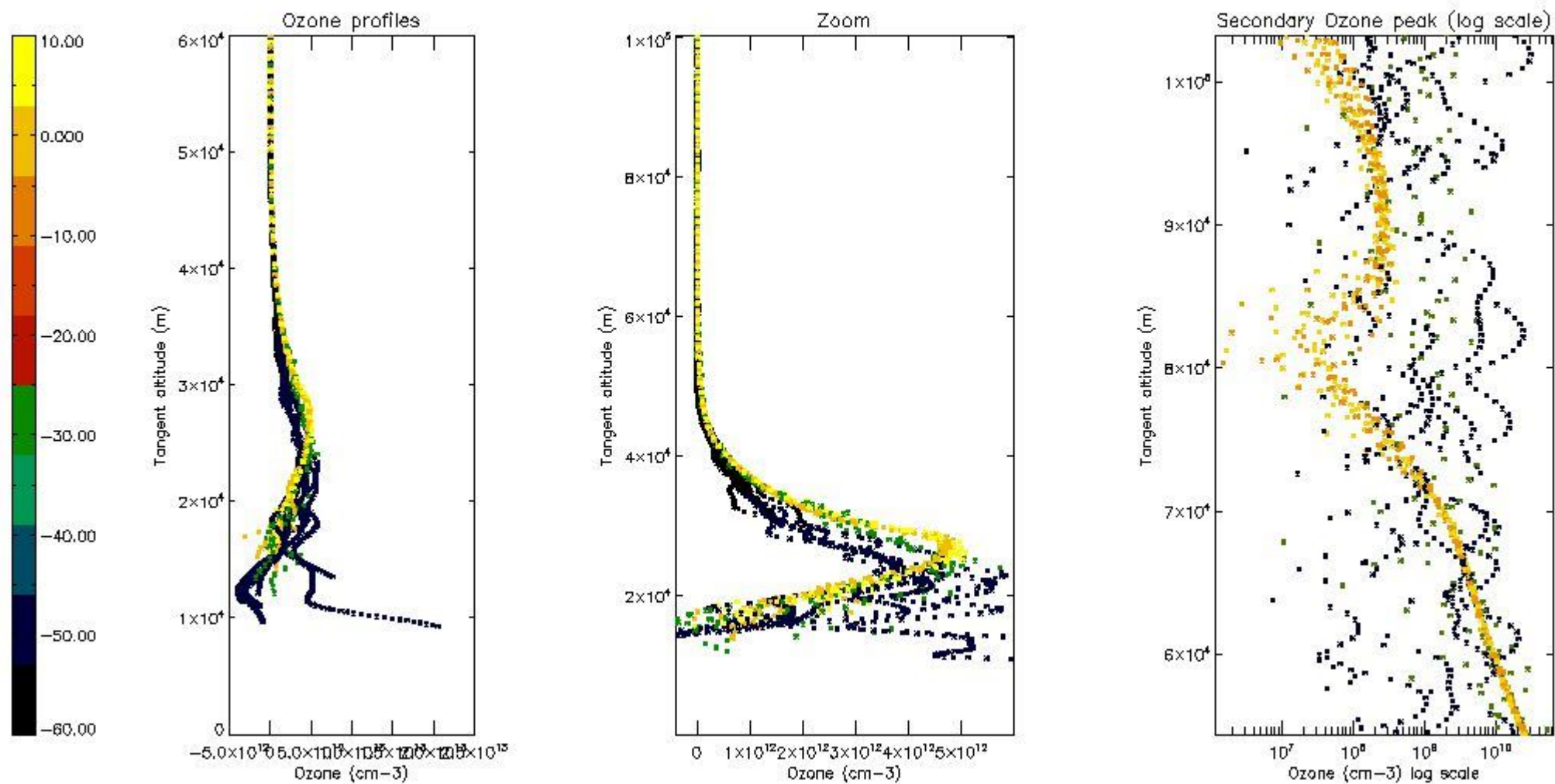
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	23
STD < 20	11

STD < 10	9
STD < 5	6

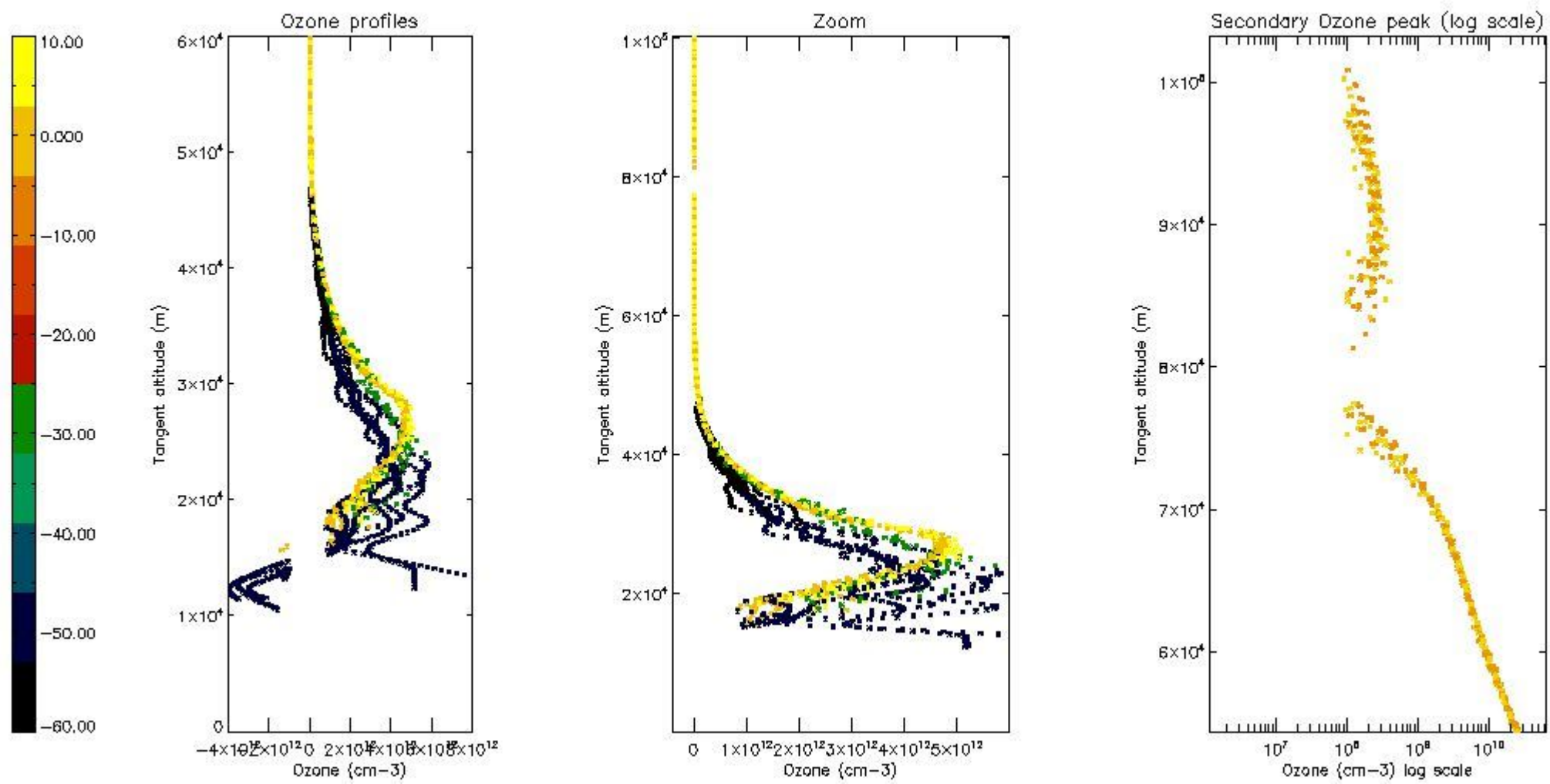
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



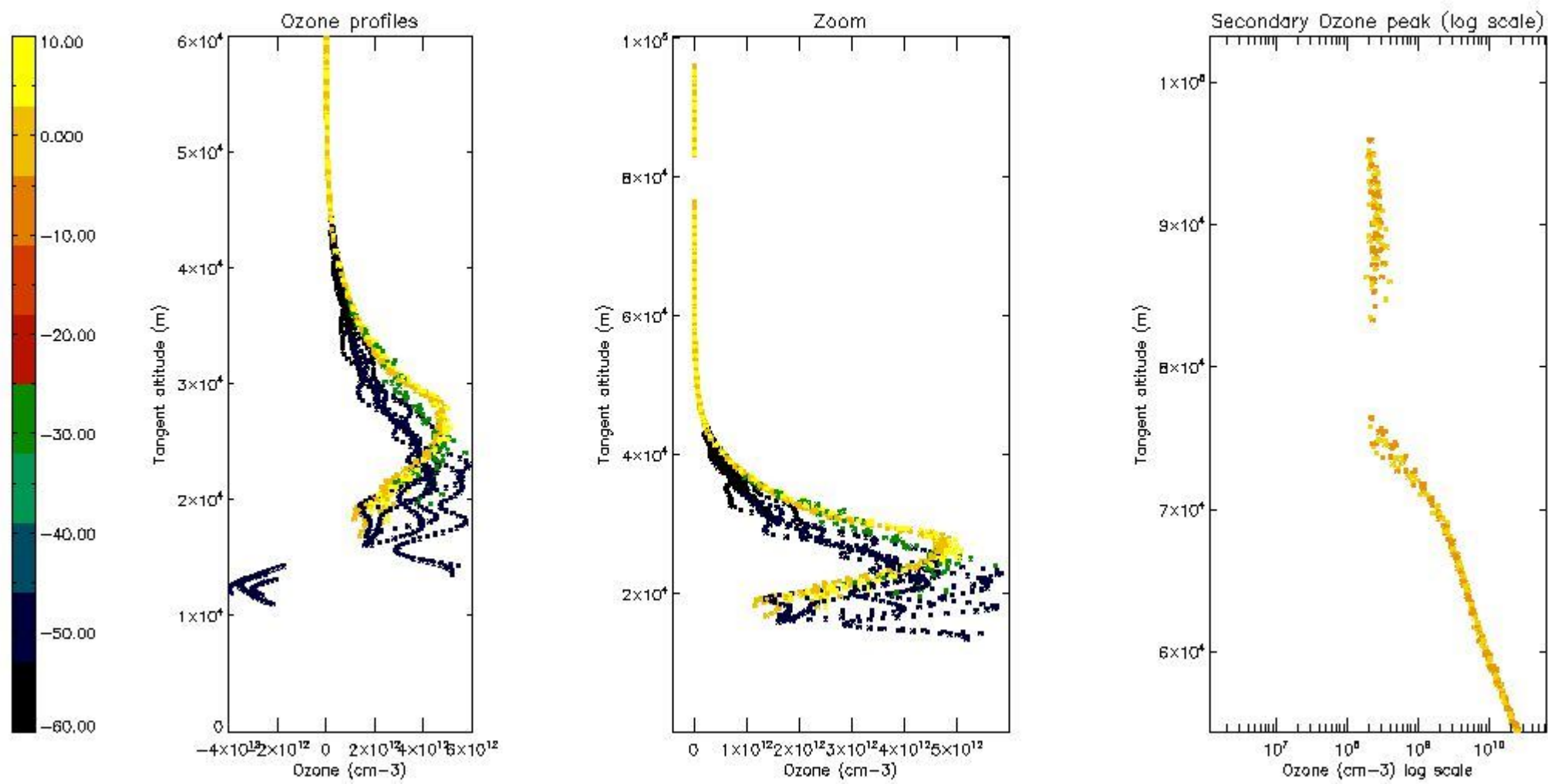
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



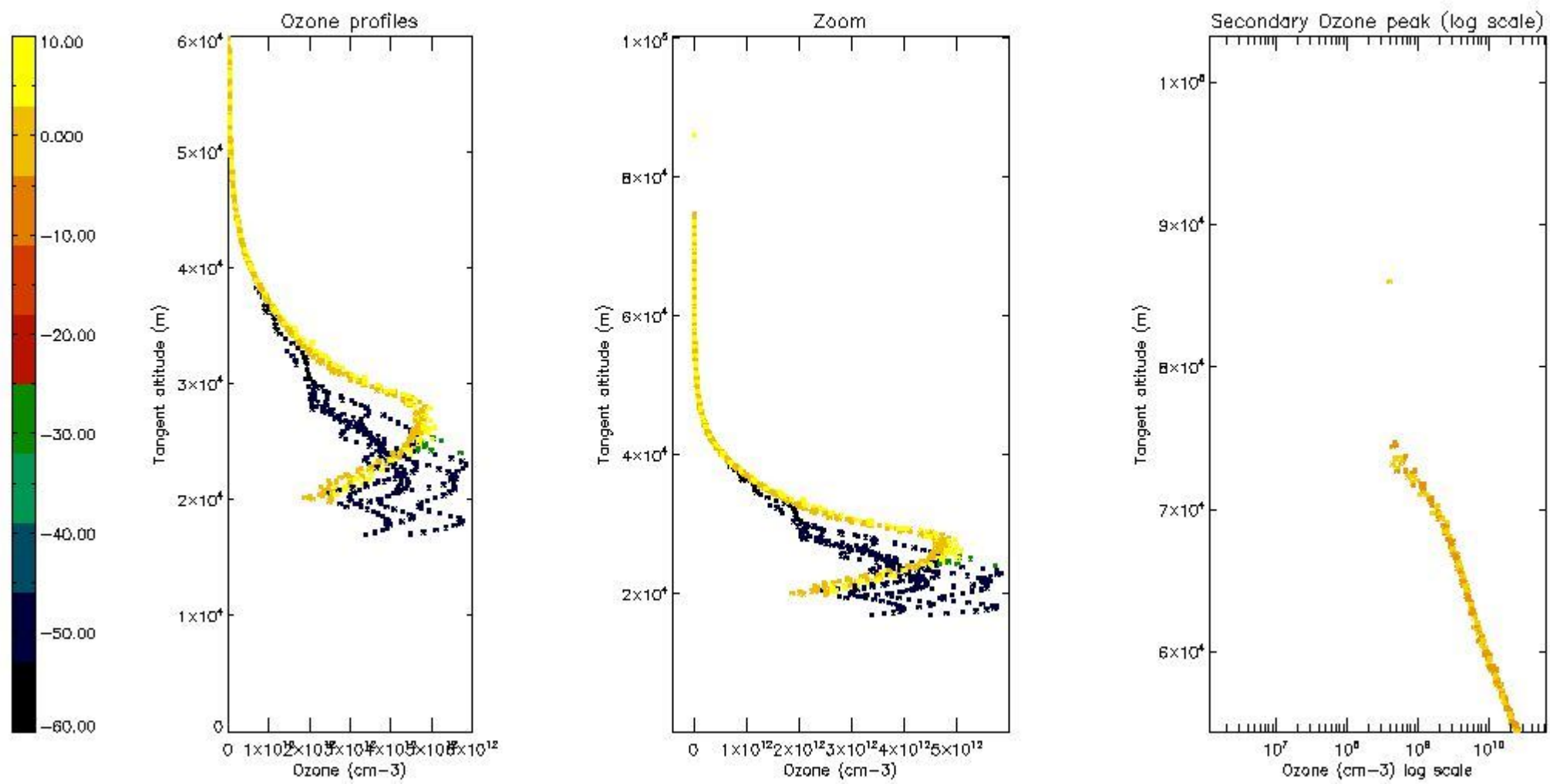
*5.4 Plot ozone profiles where STD < 10% (dark without errors)*

The colorbar represents the latitude.



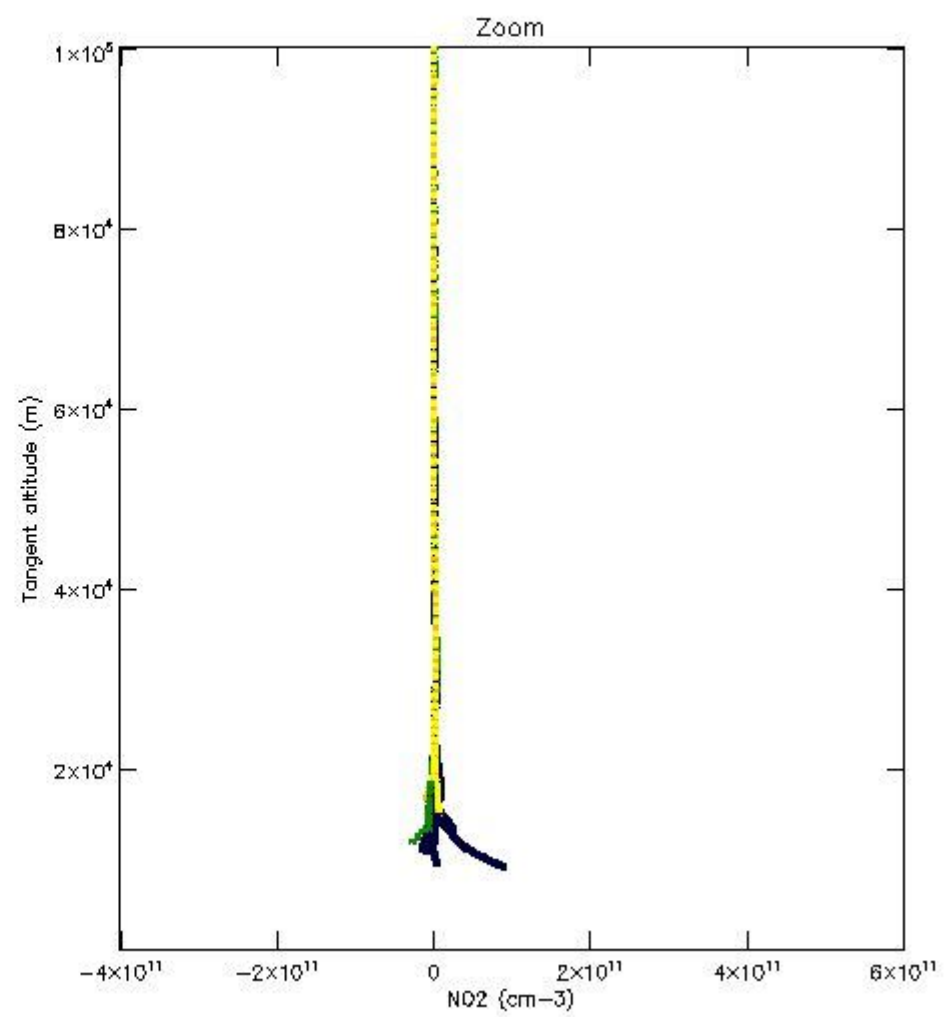
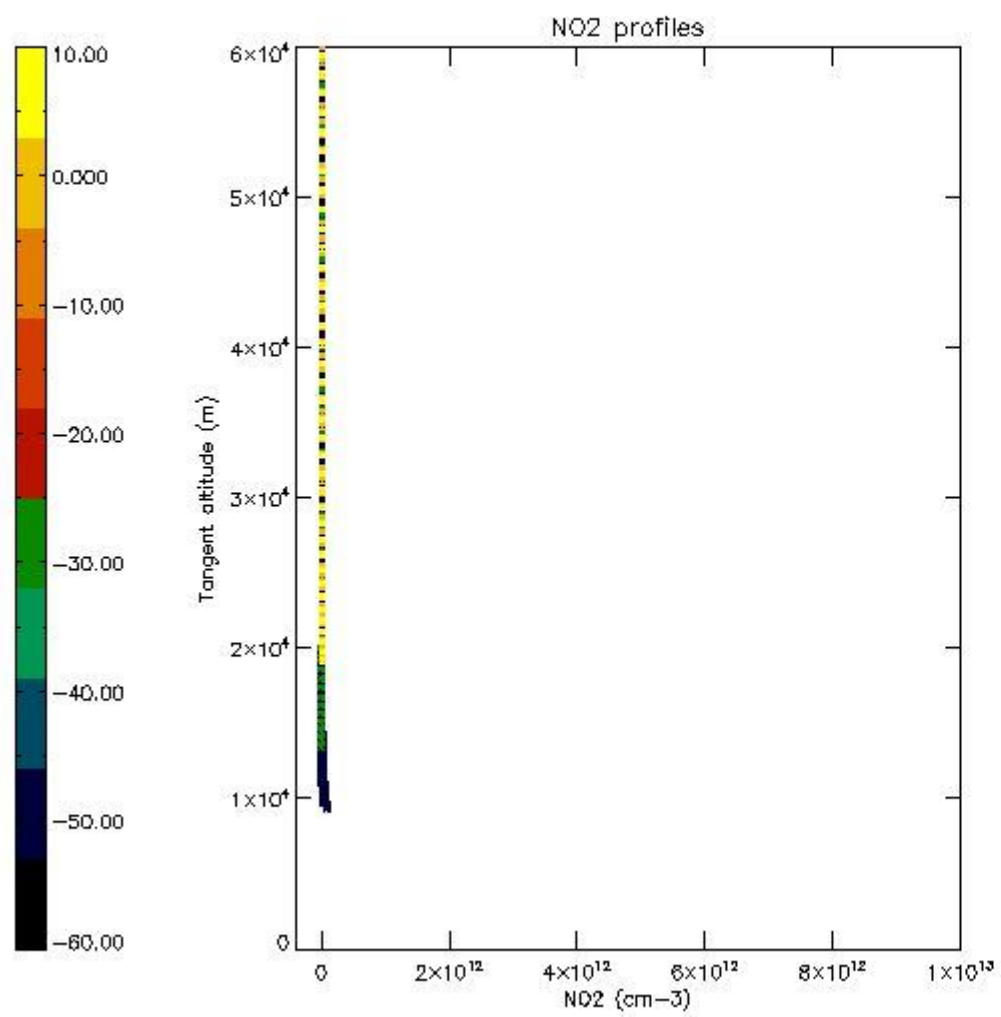
*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

The colorbar represents the latitude.



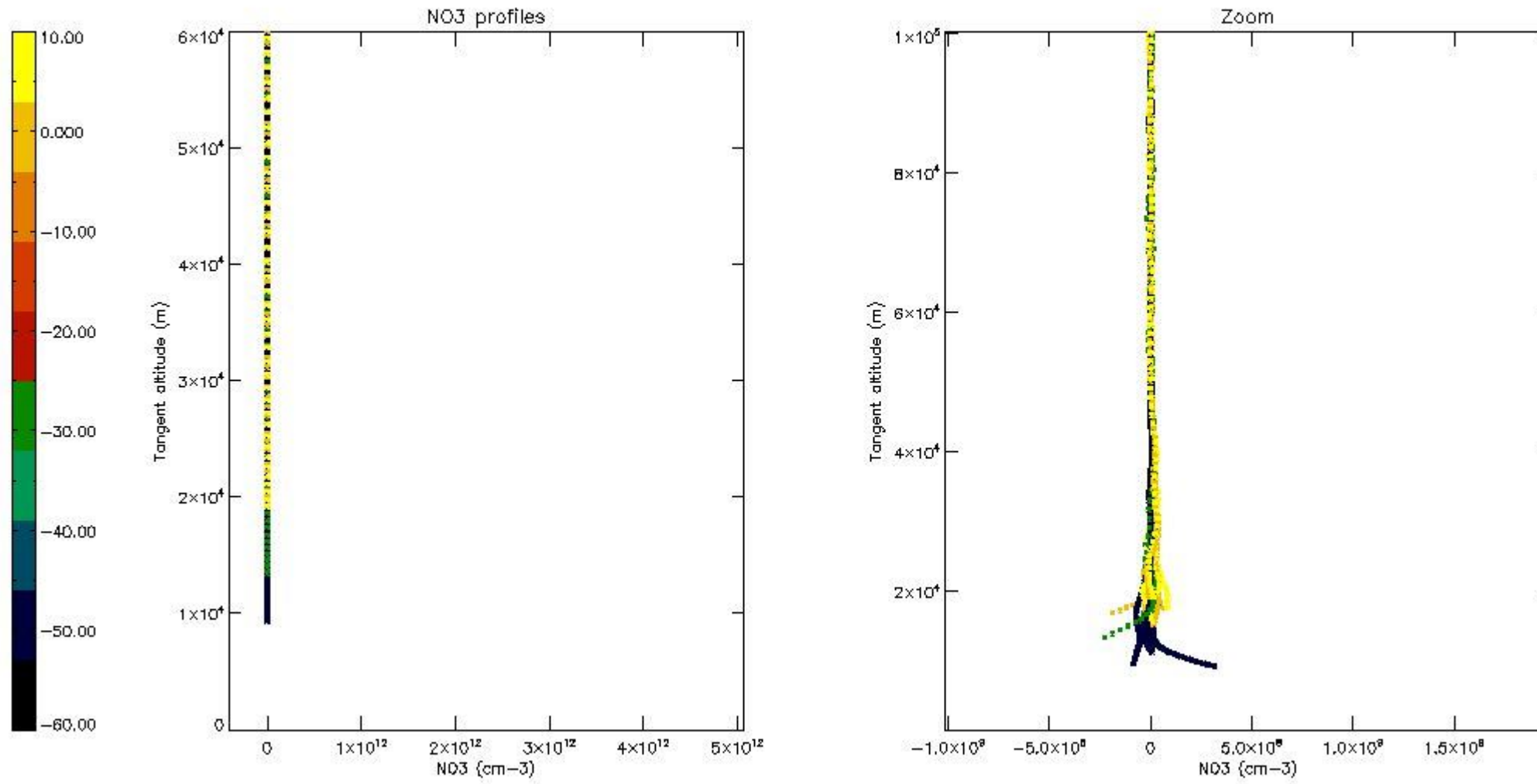
*5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)*

The colorbar represents the latitude.



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

The colorbar represents the latitude.



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

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

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXNIEC20050627_150440_20020301_000000_20100101_000000	1	13-JUN-2003 12:52:39
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	13-JUN-2003 12:52:39
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	13-JUN-2003 12:52:39



# GOMOS Level 2 Daily Report

## SUMMARY

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

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#### [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	19APR2013 15:44:05
Data source version	GOMOS/6.01
Start time of products	13-06-2003 (13JUN2003 00:00:00)
Stop time of products	14-06-2003 (14JUN2003 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	167
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__2PRFIN20030613_125239_000000732017_00153_06720_6602.N1	13-JUN-2003 12:52:39	Dark	72.500	18	24Alp PsA	1.1660	9700.0	145	6720	No
2	GOM_NL__2PRFIN20030613_125630_000000492017_00153_06720_6603.N1	13-JUN-2003 12:56:30	Dark	48.500	31	Alp Gru	1.7340	15200.	97	6720	No
3	GOM_NL__2PRFIN20030613_125808_000000622017_00153_06720_6604.N1	13-JUN-2003 12:58:08	Straylight	61.500	172	Gam Gru	3.0030	13100.	123	6720	No
4	GOM_NL__2PRFIN20030613_130034_000000482017_00153_06720_6605.N1	13-JUN-2003 13:00:34	Straylight	47.500	45	Alp Pav	1.9400	26000.	95	6720	No
5	GOM_NL__2PRFIN20030613_130550_000000432017_00153_06720_6606.N1	13-JUN-2003 13:05:50	Straylight	42.500	141	Bet Ara	2.8400	4600.0	85	6720	No
6	GOM_NL__2PRFIN20030613_130711_000000402017_00153_06720_6607.N1	13-JUN-2003 13:07:11	Straylight	39.500	147	Alp Ara	2.8770	26000.	79	6720	No
7	GOM_NL__2PRFIN20030613_130856_000000442017_00153_06720_6608.N1	13-JUN-2003 13:08:56	Twilight	44.000	40	The Sco	1.8590	7100.0	88	6720	No
8	GOM_NL__2PRFIN20030613_131039_000000442017_00153_06720_6609.N1	13-JUN-2003 13:10:39	Twilight	44.000	25	35Lam Sco	1.6200	28000.	88	6720	No
9	GOM_NL__2PRFIN20030613_131219_000000742017_00153_06720_6610.N1	13-JUN-2003 13:12:19	Bright	74.000	57	34Sig Sgr	2.0660	26000.	148	6720	No
10	GOM_NL__2PRFIN20030613_131410_000000642017_00153_06720_6611.N1	13-JUN-2003 13:14:10	Bright	64.000	155	41Pi Sgr	2.9000	6600.0	128	6720	No
11	GOM_NL__2PRFIN20030613_131721_000000432017_00153_06720_6612.N1	13-JUN-2003 13:17:21	Bright	42.500	86	35Eta Oph	2.4300	10200.	85	6720	No
12	GOM_NL__2PRFIN20030613_131907_000000392017_00153_06720_6613.N1	13-JUN-2003 13:19:07	Bright	38.500	98	13Zet Oph	2.5710	30000.	77	6720	No
13	GOM_NL__2PRFIN20030613_132113_000000392017_00153_06720_6614.N1	13-JUN-2003 13:21:13	Bright	38.500	120	1Del Oph	2.7340	3200.0	77	6720	No
14	GOM_NL__2PRFIN20030613_132414_000000392017_00153_06720_6615.N1	13-JUN-2003 13:24:14	Bright	39.000	102	24Alp Ser	2.6000	4250.0	78	6720	No
15	GOM_NL__2PRFIN20030613_132644_000000482017_00153_06720_6616.N1	13-JUN-2003 13:26:44	Bright	47.500	59	55Alp Oph	2.0800	8900.0	95	6720	No
16	GOM_NL__2PRFIN20030613_132834_000000412017_00153_06720_6617.N1	13-JUN-2003 13:28:34	Bright	41.000	127	27Bet Her	2.7810	4700.0	82	6720	No
17	GOM_NL__2PRFIN20030613_132957_000000382017_00153_06720_6618.N1	13-JUN-2003 13:29:57	Bright	37.500	67	5Alp CrB	2.2210	11000.	75	6720	No
18	GOM_NL__2PRFIN20030613_133139_000000432017_00153_06720_6619.N1	13-JUN-2003 13:31:39	Bright	42.500	133	40Zet Her	2.8070	6000.0	85	6720	No
19	GOM_NL__2PRFIN20030613_133836_000000452017_00153_06720_6620.N1	13-JUN-2003 13:38:36	Bright	45.000	130	23Bet Dra	2.7990	5800.0	90	6720	No
20	GOM_NL__2PRFIN20030613_134319_000000402017_00153_06720_6621.N1	13-JUN-2003 13:43:19	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	6720	No
21	GOM_NL__2PRFIN20030613_134759_000000362017_00153_06720_6622.N1	13-JUN-2003 13:47:59	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	6720	No
22	GOM_NL__2PRFIN20030613_135442_000002552017_00153_06720_6623.N1	13-JUN-2003 13:54:42	Twilight	255.00	92	53Eps Cyg	2.5000	4500.0	510	6720	No
23	GOM_NL__2PRFIN20030613_140140_000000442017_00153_06720_6624.N1	13-JUN-2003 14:01:40	Bright	44.000	73	57Gam1And	2.2600	13100.	88	6720	No
24	GOM_NL__2PRFIN20030613_140402_000000592017_00153_06720_6625.N1	13-JUN-2003 14:04:02	Twilight	59.000	53	43Bet And	2.0480	3300.0	118	6720	No
25	GOM_NL__2PRFIN20030613_140724_000000482017_00153_06720_6626.N1	13-JUN-2003 14:07:24	Twilight	48.000	50	13Alp Ari	2.0070	4250.0	96	6720	No
26	GOM_NL__2PRFIN20030613_140951_000001522017_00153_06720_6627.N1	13-JUN-2003 14:09:51	Dark	151.50	93	53Bet Peg	2.5200	3100.0	303	6720	No
27	GOM_NL__2PRFIN20030613_142856_000000532017_00153_06720_6628.N1	13-JUN-2003 14:28:56	Dark	53.000	84	Alp Phe	2.3970	4500.0	106	6720	No
28	GOM_NL__2PRFIN20030613_143317_000000672017_00154_06721_7274.N1	13-JUN-2003 14:33:17	Dark	67.000	18	24Alp PsA	1.1660	9700.0	134	6721	No
29	GOM_NL__2PRFIN20030613_143704_000000542017_00154_06721_7275.N1	13-JUN-2003 14:37:04	Dark	54.000	31	Alp Gru	1.7340	15200.	108	6721	No
30	GOM_NL__2PRFIN20030613_143847_000000612017_00154_06721_7276.N1	13-JUN-2003 14:38:47	Straylight	60.500	172	Gam Gru	3.0030	13100.	121	6721	No
31	GOM_NL__2PRFIN20030613_144110_000000452017_00154_06721_7277.N1	13-JUN-2003 14:41:10	Straylight	44.500	45	Alp Pav	1.9400	26000.	89	6721	No
32	GOM_NL__2PRFIN20030613_144747_000000402017_00154_06721_7278.N1	13-JUN-2003 14:47:47	Straylight	40.000	147	Alp Ara	2.8770	26000.	80	6721	No
33	GOM_NL__2PRFIN20030613_144932_000000452017_00154_06721_7279.N1	13-JUN-2003 14:49:32	Twilight	44.500	40	The Sco	1.8590	7100.0	89	6721	No
34	GOM_NL__2PRFIN20030613_145114_000000472017_00154_06721_7280.N1	13-JUN-2003 14:51:14	Twilight	46.500	25	35Lam Sco	1.6200	28000.	93	6721	No
35	GOM_NL__2PRFIN20030613_145257_000000632017_00154_06721_7281.N1	13-JUN-2003 14:52:57	Bright	62.500	57	34Sig Sgr	2.0660	26000.	125	6721	No
36	GOM_NL__2PRFIN20030613_145448_000000622017_00154_06721_7282.N1	13-JUN-2003 14:54:48	Bright	62.000	155	41Pi Sgr	2.9000	6600.0	124	6721	No
37	GOM_NL__2PRFIN20030613_145757_000000432017_00154_06721_7283.N1	13-JUN-2003 14:57:57	Bright	42.500	86	35Eta Oph	2.4300	10200.	85	6721	No
38	GOM_NL__2PRFIN20030613_145943_000000392017_00154_06721_7284.N1	13-JUN-2003 14:59:43	Bright	39.000	98	13Zet Oph	2.5710	30000.	78	6721	No
39	GOM_NL__2PRFIN20030613_150149_000000392017_00154_06721_7285.N1	13-JUN-2003 15:01:49	Bright	39.000	120	1Del Oph	2.7340	3200.0	78	6721	No
40	GOM_NL__2PRFIN20030613_150717_000000492017_00154_06721_7286.N1	13-JUN-2003 15:07:17	Bright	48.500	59	55Alp Oph	2.0800	8900.0	97	6721	No
41	GOM_NL__2PRFIN20030613_150907_000000432017_00154_06721_7287.N1	13-JUN-2003 15:09:07	Bright	42.500	127	27Bet Her	2.7810	4700.0	85	6721	No
42	GOM_NL__2PRFIN20030613_151216_000000392017_00154_06721_7288.N1	13-JUN-2003 15:12:16	Bright	39.000	133	40Zet Her	2.8070	6000.0	78	6721	No

43	GOM_NL__2PRFIN20030613_151914_000000412017_00154_06721_7289.N1	13-JUN-2003 15:19:14	Bright	41.000	130	23Bet Dra	2.7990	5800.0	82	6721	No
44	GOM_NL__2PRFIN20030613_152837_000000372017_00154_06721_7290.N1	13-JUN-2003 15:28:37	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	6721	No
45	GOM_NL__2PRFIN20030613_153514_000002552017_00154_06721_7291.N1	13-JUN-2003 15:35:14	Twi_and_stray	255.00	92	53Eps Cyg	2.5000	4500.0	510	6721	No
46	GOM_NL__2PRFIN20030613_154219_000000412017_00154_06721_7292.N1	13-JUN-2003 15:42:19	Bright	41.000	73	57Gam1And	2.2600	13100.	82	6721	No
47	GOM_NL__2PRFIN20030613_154439_000000532017_00154_06721_7293.N1	13-JUN-2003 15:44:39	Twi_and_stray	52.500	53	43Bet And	2.0480	3300.0	105	6721	No
48	GOM_NL__2PRFIN20030613_154802_000000492017_00154_06721_7294.N1	13-JUN-2003 15:48:02	Twilight	49.000	50	13Alp Ari	2.0070	4250.0	98	6721	No
49	GOM_NL__2PRFIN20030613_155028_000001742017_00154_06721_7295.N1	13-JUN-2003 15:50:28	Dark	173.50	93	53Bet Peg	2.5200	3100.0	347	6721	No
50	GOM_NL__2PRFIN20030613_160937_000000462017_00154_06721_7296.N1	13-JUN-2003 16:09:37	Dark	46.000	84	Alp Phe	2.3970	4500.0	92	6721	No
51	GOM_NL__2PRFIN20030613_161355_000000672017_00155_06722_7275.N1	13-JUN-2003 16:13:55	Dark	67.000	18	24Alp PsA	1.1660	9700.0	134	6722	No
52	GOM_NL__2PRFIN20030613_161745_000000492017_00155_06722_7276.N1	13-JUN-2003 16:17:45	Dark	49.000	31	Alp Gru	1.7340	15200.	98	6722	No
53	GOM_NL__2PRFIN20030613_161926_000000602017_00155_06722_7277.N1	13-JUN-2003 16:19:26	Straylight	59.500	172	Gam Gru	3.0030	13100.	119	6722	No
54	GOM_NL__2PRFIN20030613_162149_000000432017_00155_06722_7278.N1	13-JUN-2003 16:21:49	Straylight	42.500	45	Alp Pav	1.9400	26000.	85	6722	No
55	GOM_NL__2PRFIN20030613_162825_000000392017_00155_06722_7279.N1	13-JUN-2003 16:28:25	Straylight	38.500	147	Alp Ara	2.8770	26000.	77	6722	No
56	GOM_NL__2PRFIN20030613_163009_000000452017_00155_06722_7280.N1	13-JUN-2003 16:30:09	Twi_and_stray	45.000	40	The Sco	1.8590	7100.0	90	6722	No
57	GOM_NL__2PRFIN20030613_163153_000000432017_00155_06722_7281.N1	13-JUN-2003 16:31:53	Twi_and_stray	43.000	25	35Lam Sco	1.6200	28000.	86	6722	No
58	GOM_NL__2PRFIN20030613_163335_000000582017_00155_06722_7282.N1	13-JUN-2003 16:33:35	Bright	58.000	57	34Sig Sgr	2.0660	26000.	116	6722	No
59	GOM_NL__2PRFIN20030613_163526_000000612017_00155_06722_7283.N1	13-JUN-2003 16:35:26	Bright	61.000	155	41Pi Sgr	2.9000	6600.0	122	6722	No
60	GOM_NL__2PRFIN20030613_163835_000000402017_00155_06722_7284.N1	13-JUN-2003 16:38:35	Bright	40.000	86	35Eta Oph	2.4300	10200.	80	6722	No
61	GOM_NL__2PRFIN20030613_164020_000000382017_00155_06722_7285.N1	13-JUN-2003 16:40:20	Bright	38.000	98	13Zet Oph	2.5710	30000.	76	6722	No
62	GOM_NL__2PRFIN20030613_164757_000000452017_00155_06722_7286.N1	13-JUN-2003 16:47:57	Bright	45.000	59	55Alp Oph	2.0800	8900.0	90	6722	No
63	GOM_NL__2PRFIN20030613_164947_000000392017_00155_06722_7287.N1	13-JUN-2003 16:49:47	Bright	38.500	127	27Bet Her	2.7810	4700.0	77	6722	No
64	GOM_NL__2PRFIN20030613_165252_000000412017_00155_06722_7288.N1	13-JUN-2003 16:52:52	Bright	40.500	133	40Zet Her	2.8070	6000.0	81	6722	No
65	GOM_NL__2PRFIN20030613_165949_000000422017_00155_06722_7289.N1	13-JUN-2003 16:59:49	Bright	42.000	130	23Bet Dra	2.7990	5800.0	84	6722	No
66	GOM_NL__2PRFIN20030613_170913_000000382017_00155_06722_7290.N1	13-JUN-2003 17:09:13	Bright	37.500	49	1Alp UMi	1.9900	6300.0	75	6722	No
67	GOM_NL__2PRFIN20030613_171546_000002552017_00155_06722_7291.N1	13-JUN-2003 17:15:46	Twi_and_stray	255.00	92	53Eps Cyg	2.5000	4500.0	510	6722	No
68	GOM_NL__2PRFIN20030613_172254_000000412017_00155_06722_7292.N1	13-JUN-2003 17:22:54	Bright	41.000	73	57Gam1And	2.2600	13100.	82	6722	No
69	GOM_NL__2PRFIN20030613_172515_000000532017_00155_06722_7293.N1	13-JUN-2003 17:25:15	Twi_and_stray	52.500	53	43Bet And	2.0480	3300.0	105	6722	No
70	GOM_NL__2PRFIN20030613_172839_000000492017_00155_06722_7294.N1	13-JUN-2003 17:28:39	Twilight	48.500	50	13Alp Ari	2.0070	4250.0	97	6722	No
71	GOM_NL__2PRFIN20030613_173104_000001742017_00155_06722_7295.N1	13-JUN-2003 17:31:04	Dark	173.50	93	53Bet Peg	2.5200	3100.0	347	6722	No
72	GOM_NL__2PRFIN20030613_175014_000000462017_00155_06722_7296.N1	13-JUN-2003 17:50:14	Dark	46.000	84	Alp Phe	2.3970	4500.0	92	6722	No
73	GOM_NL__2PRFIN20030613_175433_000000662017_00156_06723_7296.N1	13-JUN-2003 17:54:33	Dark	65.500	18	24Alp PsA	1.1660	9700.0	131	6723	No
74	GOM_NL__2PRFIN20030613_175822_000000502017_00156_06723_7297.N1	13-JUN-2003 17:58:22	Dark	49.500	31	Alp Gru	1.7340	15200.	99	6723	No
75	GOM_NL__2PRFIN20030613_180003_000000602017_00156_06723_7298.N1	13-JUN-2003 18:00:03	Straylight	60.000	172	Gam Gru	3.0030	13100.	120	6723	No
76	GOM_NL__2PRFIN20030613_180226_000000432017_00156_06723_7299.N1	13-JUN-2003 18:02:26	Straylight	43.000	45	Alp Pav	1.9400	26000.	86	6723	No
77	GOM_NL__2PRFIN20030613_180901_000000392017_00156_06723_7300.N1	13-JUN-2003 18:09:01	Straylight	39.000	147	Alp Ara	2.8770	26000.	78	6723	No
78	GOM_NL__2PRFIN20030613_181046_000000482017_00156_06723_7301.N1	13-JUN-2003 18:10:46	Twi_and_stray	47.500	40	The Sco	1.8590	7100.0	95	6723	No
79	GOM_NL__2PRFIN20030613_181229_000000462017_00156_06723_7302.N1	13-JUN-2003 18:12:29	Twi_and_stray	45.500	25	35Lam Sco	1.6200	28000.	91	6723	No
80	GOM_NL__2PRFIN20030613_181411_000000562017_00156_06723_7303.N1	13-JUN-2003 18:14:11	Bright	55.500	57	34Sig Sgr	2.0660	26000.	111	6723	No
81	GOM_NL__2PRFIN20030613_181602_000000592017_00156_06723_7304.N1	13-JUN-2003 18:16:02	Bright	59.000	155	41Pi Sgr	2.9000	6600.0	118	6723	No
82	GOM_NL__2PRFIN20030613_181911_000000412017_00156_06723_7305.N1	13-JUN-2003 18:19:11	Bright	41.000	86	35Eta Oph	2.4300	10200.	82	6723	No
83	GOM_NL__2PRFIN20030613_182056_000000402017_00156_06723_7306.N1	13-JUN-2003 18:20:56	Bright	39.500	98	13Zet Oph	2.5710	30000.	79	6723	No
84	GOM_NL__2PRFIN20030613_182302_000000382017_00156_06723_7307.N1	13-JUN-2003 18:23:02	Bright	38.000	120	1Del Oph	2.7340	3200.0	76	6723	No
85	GOM_NL__2PRFIN20030613_182832_000000462017_00156_06723_7308.N1	13-JUN-2003 18:28:32	Bright	46.000	59	55Alp Oph	2.0800	8900.0	92	6723	No
86	GOM_NL__2PRFIN20030613_183023_000000402017_00156_06723_7309.N1	13-JUN-2003 18:30:23	Bright	40.000	127	27Bet Her	2.7810	4700.0	80	6723	No
87	GOM_NL__2PRFIN20030613_183328_000000382017_00156_06723_7310.N1	13-JUN-2003 18:33:28	Bright	38.000	133	40Zet Her	2.8070	6000.0	76	6723	No
88	GOM_NL__2PRFIN20030613_184024_000000432017_00156_06723_7311.N1	13-JUN-2003 18:40:24	Bright	42.500	130	23Bet Dra	2.7990	5800.0	85	6723	No
89	GOM_NL__2PRFIN20030613_184949_000000372017_00156_06723_7312.N1	13-JUN-2003 18:49:49	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	6723	No
90	GOM_NL__2PRFIN20030613_185618_000002552017_00156_06723_7313.N1	13-JUN-2003 18:56:18	Twi_and_stray	255.00	92	53Eps Cyg	2.5000	4500.0	510	6723	No
91	GOM_NL__2PRFIN20030613_190331_000000402017_00156_06723_7314.N1	13-JUN-2003 19:03:31	Bright	40.000	73	57Gam1And	2.2600	13100.	80	6723	No
92	GOM_NL__2PRFIN20030613_190551_000000572017_00156_06723_7315.N1	13-JUN-2003 19:05:51	Twi_and_stray	56.500	53	43Bet And	2.0480	3300.0	113	6723	No
93	GOM_NL__2PRFIN20030613_190915_000000482017_00156_06723_7316.N1	13-JUN-2003 19:09:15	Twilight	48.000	50	13Alp Ari	2.0070	4250.0	96	6723	No
94	GOM_NL__2PRFIN20030613_191142_000001612017_00156_06723_7317.N1	13-JUN-2003 19:11:42	Dark	161.00	93	53Bet Peg	2.5200	3100.0	322	6723	No
95	GOM_NL__2PRFIN20030613_193051_000000462017_00156_06723_7318.N1	13-JUN-2003 19:30:51	Dark	45.500	84	Alp Phe	2.3970	4500.0	91	6723	No
96	GOM_NL__2PRFIN20030613_193510_000000702017_00157_06724_7297.N1	13-JUN-2003 19:35:10	Dark	69.500	18	24Alp PsA	1.1660	9700.0	139	6724	No
97	GOM_NL__2PRFIN20030613_193859_000000512017_00157_06724_7298.N1	13-JUN-2003 19:38:59	Dark	50.500	31	Alp Gru	1.7340	15200.	101	6724	No
98	GOM_NL__2PRFIN20030613_194040_000000592017_00157_06724_7299.N1	13-JUN-2003 19:40:40	Straylight	58.500	172	Gam Gru	3.0030	13100.	117	6724	No
99	GOM_NL__2PRFIN20030613_194302_000000492017_00157_06724_7300.N1	13-JUN-2003 19:43:02	Straylight	49.000	45	Alp Pav	1.9400	26000.	98	6724	No
100	GOM_NL__2PRFIN20030613_194938_000000382017_00157_06724_7301.N1	13-JUN-2003 19:49:38	Straylight	38.000	147	Alp Ara	2.8770	26000.	76	6724	No
101	GOM_NL__2PRFIN20030613_195122_000000442017_00157_06724_7302.N1	13-JUN-2003 19:51:22	Twi_and_stray	44.000	40	The Sco	1.8590	7100.0	88	6724	No

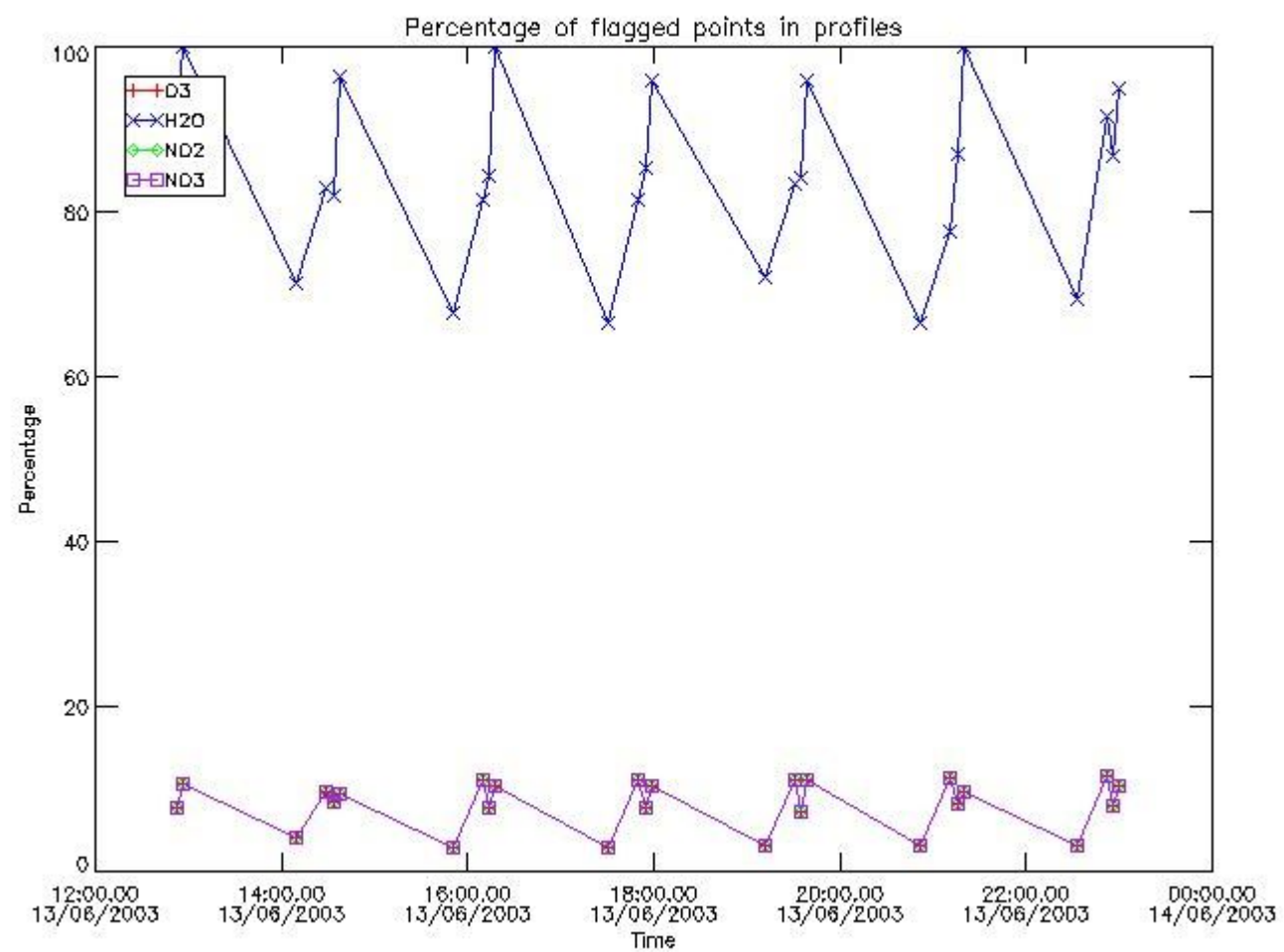
102	GOM_NL__2PRFIN20030613_195306_000000442017_00157_06724_7303.N1	13-JUN-2003 19:53:06	Twilight	44.000	25	35Lam Sco	1.6200	28000.	88	6724	No
103	GOM_NL__2PRFIN20030613_195448_000000532017_00157_06724_7304.N1	13-JUN-2003 19:54:48	Bright	53.000	57	34Sig Sgr	2.0660	26000.	106	6724	No
104	GOM_NL__2PRFIN20030613_195638_000000632017_00157_06724_7305.N1	13-JUN-2003 19:56:38	Bright	62.500	155	41Pi Sgr	2.9000	6600.0	125	6724	No
105	GOM_NL__2PRFIN20030613_195947_000000412017_00157_06724_7306.N1	13-JUN-2003 19:59:47	Bright	41.000	86	35Eta Oph	2.4300	10200.	82	6724	No
106	GOM_NL__2PRFIN20030613_200132_000000382017_00157_06724_7307.N1	13-JUN-2003 20:01:32	Bright	38.000	98	13Zet Oph	2.5710	30000.	76	6724	No
107	GOM_NL__2PRFIN20030613_200908_000000472017_00157_06724_7308.N1	13-JUN-2003 20:09:08	Bright	46.500	59	55Alp Oph	2.0800	8900.0	93	6724	No
108	GOM_NL__2PRFIN20030613_201058_000000392017_00157_06724_7309.N1	13-JUN-2003 20:10:58	Bright	38.500	127	27Bet Her	2.7810	4700.0	77	6724	No
109	GOM_NL__2PRFIN20030613_201404_000000412017_00157_06724_7310.N1	13-JUN-2003 20:14:04	Bright	40.500	133	40Zet Her	2.8070	6000.0	81	6724	No
110	GOM_NL__2PRFIN20030613_202100_000000422017_00157_06724_7311.N1	13-JUN-2003 20:21:00	Bright	42.000	130	23Bet Dra	2.7990	5800.0	84	6724	No
111	GOM_NL__2PRFIN20030613_203025_000000362017_00157_06724_7312.N1	13-JUN-2003 20:30:25	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	6724	No
112	GOM_NL__2PRFIN20030613_203650_000002552017_00157_06724_7313.N1	13-JUN-2003 20:36:50	Twilight	255.00	92	53Eps Cyg	2.5000	4500.0	510	6724	No
113	GOM_NL__2PRFIN20030613_204406_000000402017_00157_06724_7314.N1	13-JUN-2003 20:44:06	Bright	40.000	73	57Gam1And	2.2600	13100.	80	6724	No
114	GOM_NL__2PRFIN20030613_204627_000000592017_00157_06724_7315.N1	13-JUN-2003 20:46:27	Twilight	58.500	53	43Bet And	2.0480	3300.0	117	6724	No
115	GOM_NL__2PRFIN20030613_204951_000000492017_00157_06724_7316.N1	13-JUN-2003 20:49:51	Twilight	48.500	50	13Alp Ari	2.0070	4250.0	97	6724	No
116	GOM_NL__2PRFIN20030613_205218_000001692017_00157_06724_7317.N1	13-JUN-2003 20:52:18	Dark	168.50	93	53Bet Peg	2.5200	3100.0	337	6724	No
117	GOM_NL__2PRFIN20030613_211127_000000452017_00157_06724_7318.N1	13-JUN-2003 21:11:27	Dark	45.000	84	Alp Phe	2.3970	4500.0	90	6724	No
118	GOM_NL__2PRFIN20030613_211548_000000692017_00158_06725_7298.N1	13-JUN-2003 21:15:48	Dark	69.000	18	24Alp PsA	1.1660	9700.0	138	6725	No
119	GOM_NL__2PRFIN20030613_211936_000000532017_00158_06725_7299.N1	13-JUN-2003 21:19:36	Dark	52.500	31	Alp Gru	1.7340	15200.	105	6725	No
120	GOM_NL__2PRFIN20030613_212118_000000592017_00158_06725_7300.N1	13-JUN-2003 21:21:18	Straylight	59.000	172	Gam Gru	3.0030	13100.	118	6725	No
121	GOM_NL__2PRFIN20030613_212339_000000432017_00158_06725_7301.N1	13-JUN-2003 21:23:39	Straylight	43.000	45	Alp Pav	1.9400	26000.	86	6725	No
122	GOM_NL__2PRFIN20030613_212852_000000462017_00158_06725_6298.N1	13-JUN-2003 21:28:52	Straylight	46.000	141	Bet Ara	2.8400	4600.0	92	6725	No
123	GOM_NL__2PRFIN20030613_213014_000000392017_00158_06725_6299.N1	13-JUN-2003 21:30:14	Straylight	38.500	147	Alp Ara	2.8770	26000.	77	6725	No
124	GOM_NL__2PRFIN20030613_213259_000000422017_00158_06725_6300.N1	13-JUN-2003 21:32:59	Twilight	41.500	85	Kap Sco	2.4070	28000.	83	6725	No
125	GOM_NL__2PRFIN20030613_213524_000000582017_00158_06725_6301.N1	13-JUN-2003 21:35:24	Bright	57.500	57	34Sig Sgr	2.0660	26000.	115	6725	No
126	GOM_NL__2PRFIN20030613_213715_000000602017_00158_06725_6302.N1	13-JUN-2003 21:37:15	Bright	59.500	155	41Pi Sgr	2.9000	6600.0	119	6725	No
127	GOM_NL__2PRFIN20030613_214023_000000402017_00158_06725_6303.N1	13-JUN-2003 21:40:23	Bright	40.000	86	35Eta Oph	2.4300	10200.	80	6725	No
128	GOM_NL__2PRFIN20030613_214208_000000382017_00158_06725_6304.N1	13-JUN-2003 21:42:08	Bright	37.500	98	13Zet Oph	2.5710	30000.	75	6725	No
129	GOM_NL__2PRFIN20030613_214415_000000372017_00158_06725_6305.N1	13-JUN-2003 21:44:15	Bright	37.000	120	1Del Oph	2.7340	3200.0	74	6725	No
130	GOM_NL__2PRFIN20030613_214716_000000362017_00158_06725_6306.N1	13-JUN-2003 21:47:16	Bright	35.500	102	24Alp Ser	2.6000	4250.0	71	6725	No
131	GOM_NL__2PRFIN20030613_214943_000000462017_00158_06725_6307.N1	13-JUN-2003 21:49:43	Bright	45.500	59	55Alp Oph	2.0800	8900.0	91	6725	No
132	GOM_NL__2PRFIN20030613_215134_000000412017_00158_06725_6308.N1	13-JUN-2003 21:51:34	Bright	40.500	127	27Bet Her	2.7810	4700.0	81	6725	No
133	GOM_NL__2PRFIN20030613_215259_000000382017_00158_06725_6309.N1	13-JUN-2003 21:52:59	Bright	38.000	67	5Alp CrB	2.2210	11000.	76	6725	No
134	GOM_NL__2PRFIN20030613_215440_000000402017_00158_06725_6310.N1	13-JUN-2003 21:54:40	Bright	39.500	133	40Zet Her	2.8070	6000.0	79	6725	No
135	GOM_NL__2PRFIN20030613_220135_000000422017_00158_06725_6311.N1	13-JUN-2003 22:01:35	Bright	42.000	130	23Bet Dra	2.7990	5800.0	84	6725	No
136	GOM_NL__2PRFIN20030613_220300_000000392017_00158_06725_6312.N1	13-JUN-2003 22:03:00	Bright	38.500	119	14Eta Dra	2.7270	4700.0	77	6725	No
137	GOM_NL__2PRFIN20030613_220622_000000382017_00158_06725_6313.N1	13-JUN-2003 22:06:22	Bright	38.000	60	7Bet UMi	2.0810	3950.0	76	6725	No
138	GOM_NL__2PRFIN20030613_221101_000000372017_00158_06725_6314.N1	13-JUN-2003 22:11:01	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	6725	No
139	GOM_NL__2PRFIN20030613_221823_000000632017_00158_06725_6315.N1	13-JUN-2003 22:18:23	Bright	63.000	74	11Bet Cas	2.2680	6600.0	126	6725	No
140	GOM_NL__2PRFIN20030613_222114_000000522017_00158_06725_6316.N1	13-JUN-2003 22:21:14	Bright	52.000	160	23Gam Per	2.9300	4700.0	104	6725	No
141	GOM_NL__2PRFIN20030613_222443_000000412017_00158_06725_6317.N1	13-JUN-2003 22:24:43	Bright	40.500	73	57Gam1And	2.2600	13100.	81	6725	No
142	GOM_NL__2PRFIN20030613_222703_000000552017_00158_06725_6318.N1	13-JUN-2003 22:27:03	Twilight	55.000	53	43Bet And	2.0480	3300.0	110	6725	No
143	GOM_NL__2PRFIN20030613_223027_000000492017_00158_06725_6319.N1	13-JUN-2003 22:30:27	Twilight	49.000	50	13Alp Ari	2.0070	4250.0	98	6725	No
144	GOM_NL__2PRFIN20030613_223256_000001682017_00158_06725_6320.N1	13-JUN-2003 22:32:56	Dark	167.50	93	53Bet Peg	2.5200	3100.0	335	6725	No
145	GOM_NL__2PRFIN20030613_225204_000000482017_00158_06725_6321.N1	13-JUN-2003 22:52:04	Dark	48.000	84	Alp Phe	2.3970	4500.0	96	6725	No
146	GOM_NL__2PRFIN20030613_225626_000000652017_00159_06726_6296.N1	13-JUN-2003 22:56:26	Dark	64.500	18	24Alp PsA	1.1660	9700.0	129	6726	No
147	GOM_NL__2PRFIN20030613_230013_000000492017_00159_06726_6297.N1	13-JUN-2003 23:00:13	Dark	49.000	31	Alp Gru	1.7340	15200.	98	6726	No
148	GOM_NL__2PRFIN20030613_230155_000000592017_00159_06726_6298.N1	13-JUN-2003 23:01:55	Straylight	59.000	172	Gam Gru	3.0030	13100.	118	6726	No
149	GOM_NL__2PRFIN20030613_230415_000000442017_00159_06726_6299.N1	13-JUN-2003 23:04:15	Straylight	43.500	45	Alp Pav	1.9400	26000.	87	6726	No
150	GOM_NL__2PRFIN20030613_230929_000000432017_00159_06726_6300.N1	13-JUN-2003 23:09:29	Straylight	42.500	141	Bet Ara	2.8400	4600.0	85	6726	No
151	GOM_NL__2PRFIN20030613_231050_000000402017_00159_06726_6301.N1	13-JUN-2003 23:10:50	Straylight	39.500	147	Alp Ara	2.8770	26000.	79	6726	No
152	GOM_NL__2PRFIN20030613_231335_000000412017_00159_06726_6302.N1	13-JUN-2003 23:13:35	Twilight	41.000	85	Kap Sco	2.4070	28000.	82	6726	No
153	GOM_NL__2PRFIN20030613_231600_000000632017_00159_06726_6303.N1	13-JUN-2003 23:16:00	Bright	63.000	57	34Sig Sgr	2.0660	26000.	126	6726	No
154	GOM_NL__2PRFIN20030613_231751_000000612017_00159_06726_6304.N1	13-JUN-2003 23:17:51	Bright	61.000	155	41Pi Sgr	2.9000	6600.0	122	6726	No
155	GOM_NL__2PRFIN20030613_232059_000000402017_00159_06726_6305.N1	13-JUN-2003 23:20:59	Bright	40.000	86	35Eta Oph	2.4300	10200.	80	6726	No
156	GOM_NL__2PRFIN20030613_232244_000000392017_00159_06726_6306.N1	13-JUN-2003 23:22:44	Bright	38.500	98	13Zet Oph	2.5710	30000.	77	6726	No
157	GOM_NL__2PRFIN20030613_232450_000000382017_00159_06726_6307.N1	13-JUN-2003 23:24:50	Bright	37.500	120	1Del Oph	2.7340	3200.0	75	6726	No
158	GOM_NL__2PRFIN20030613_232752_000000362017_00159_06726_6308.N1	13-JUN-2003 23:27:52	Bright	35.500	102	24Alp Ser	2.6000	4250.0	71	6726	No
159	GOM_NL__2PRFIN20030613_233019_000000462017_00159_06726_6309.N1	13-JUN-2003 23:30:19	Bright	45.500	59	55Alp Oph	2.0800	8900.0	91	6726	No
160	GOM_NL__2PRFIN20030613_233210_000000392017_00159_06726_6310.N1	13-JUN-2003 23:32:10	Bright	39.000	127	27Bet Her	2.7810	4700.0	78	6726	No

161	GOM_NL__2PRFIN20030613_233335_000000372017_00159_06726_6311.N1	13-JUN-2003 23:33:35	Bright	37.000	67	5Alp CrB	2.2210	11000.	74	6726	No
162	GOM_NL__2PRFIN20030613_233515_000000392017_00159_06726_6312.N1	13-JUN-2003 23:35:15	Bright	39.000	133	40Zet Her	2.8070	6000.0	78	6726	No
163	GOM_NL__2PRFIN20030613_234211_000000412017_00159_06726_6313.N1	13-JUN-2003 23:42:11	Bright	40.500	130	23Bet Dra	2.7990	5800.0	81	6726	No
164	GOM_NL__2PRFIN20030613_234336_000000382017_00159_06726_6314.N1	13-JUN-2003 23:43:36	Bright	38.000	119	14Eta Dra	2.7270	4700.0	76	6726	No
165	GOM_NL__2PRFIN20030613_234657_000000382017_00159_06726_6315.N1	13-JUN-2003 23:46:57	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	6726	No
166	GOM_NL__2PRFIN20030613_235136_000000372017_00159_06726_6316.N1	13-JUN-2003 23:51:36	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	6726	No
167	GOM_NL__2PRFIN20030613_235859_000000452017_00159_06726_6317.N1	13-JUN-2003 23:58:59	Bright	44.500	74	11Bet Cas	2.2680	6600.0	89	6726	No

### 3. Quality information per product

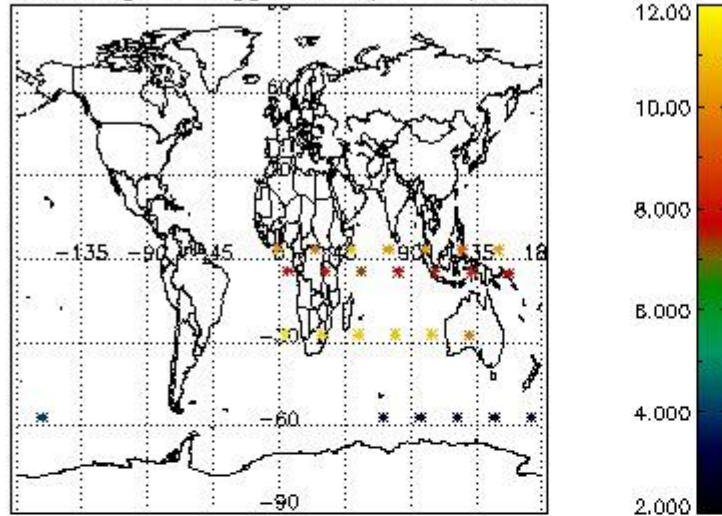
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

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

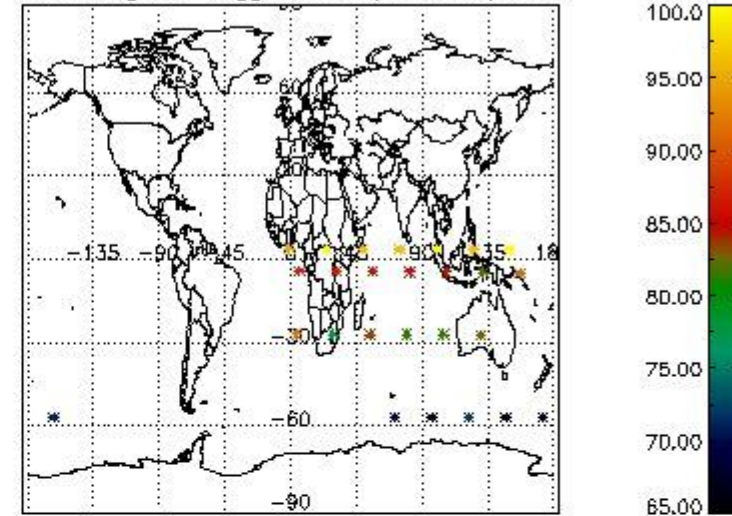


#### 3.2 Plot quality information per product (world map)

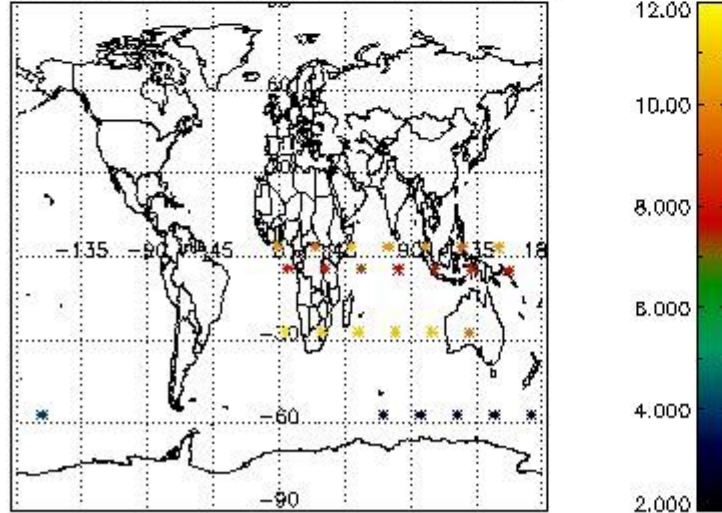
Percentage of flagged data per O3 profile



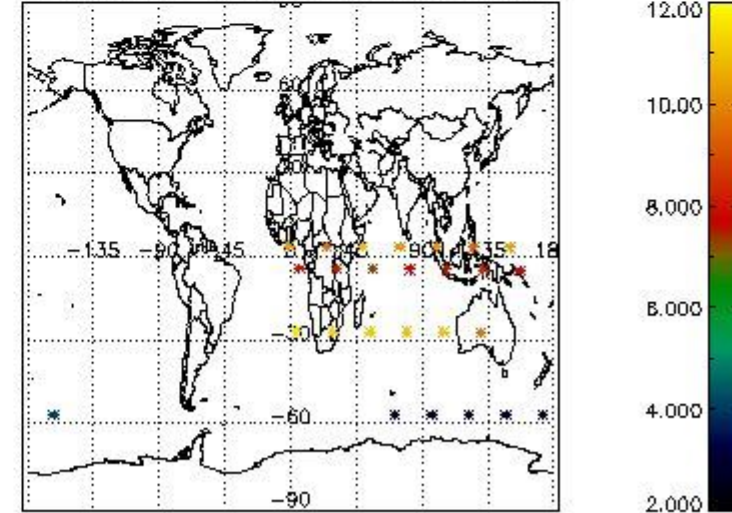
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

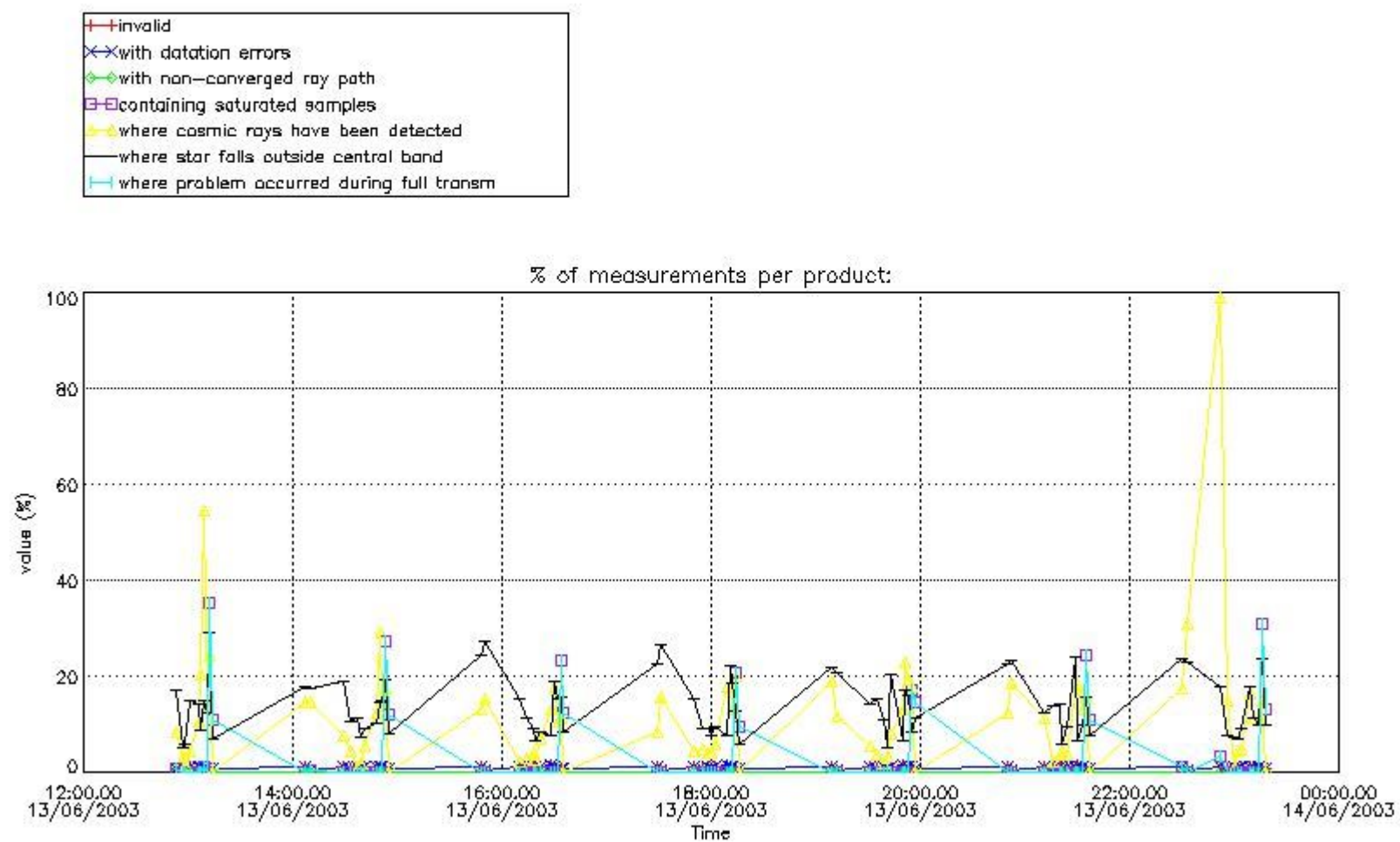


#### 4. Level 1 quality information per product

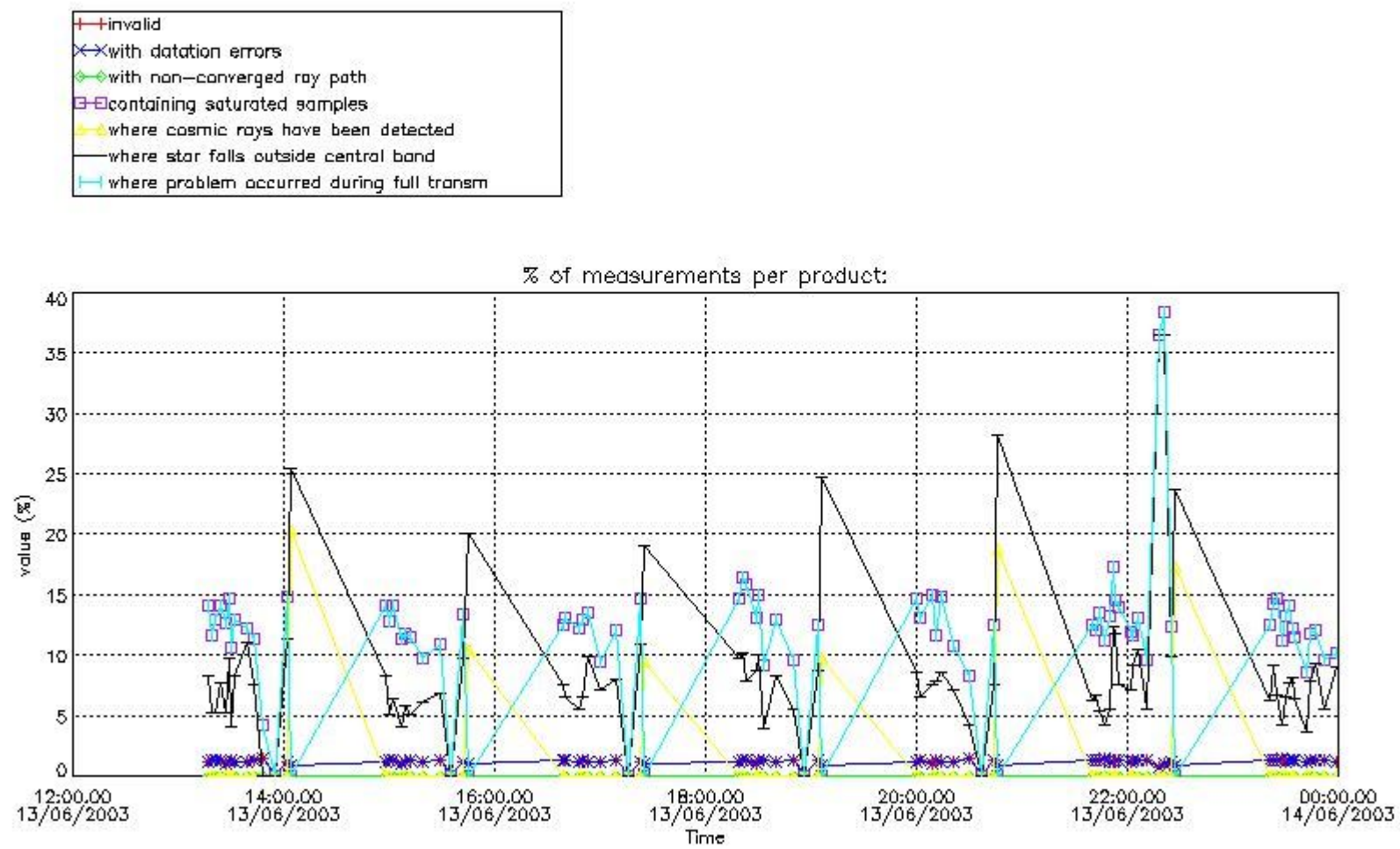
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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



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

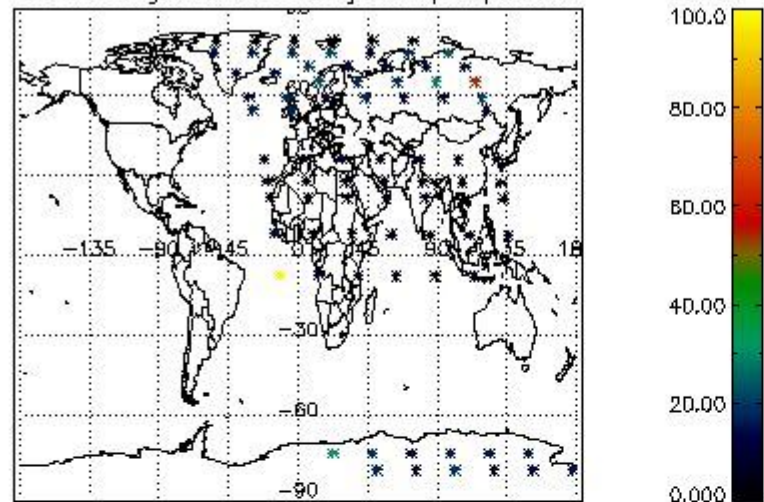


4.2 Plot quality information per product coming from level 1b processing (world map)

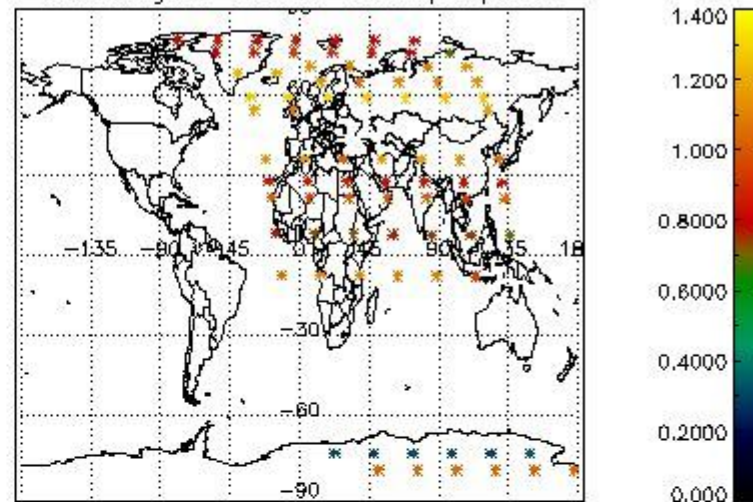
4.2.1 Plot level 1 quality information per product (world map): ENVISAT ASCENDING passes



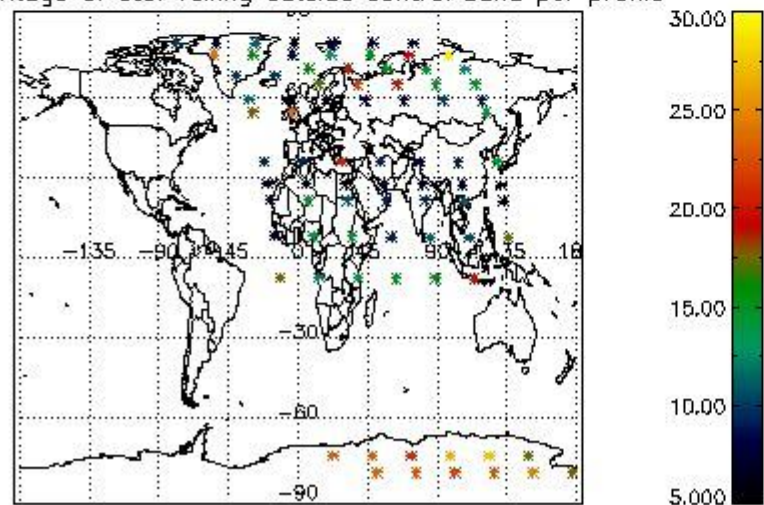
Percentage of cosmic ray hits per profile



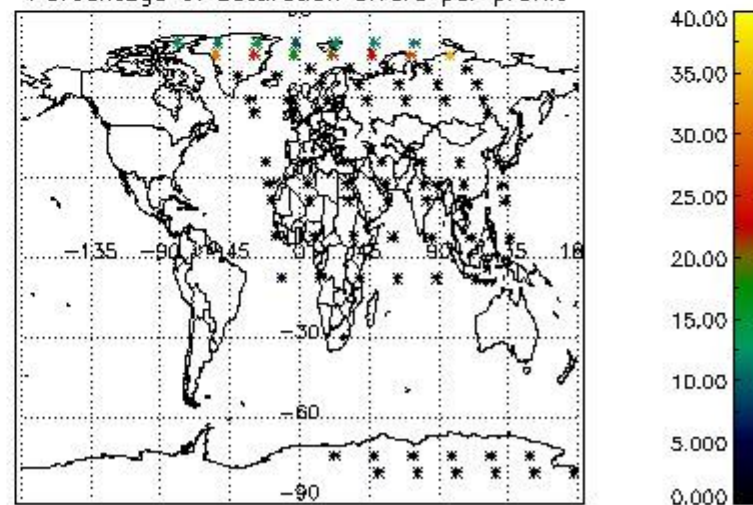
Percentage of datation errors per profile



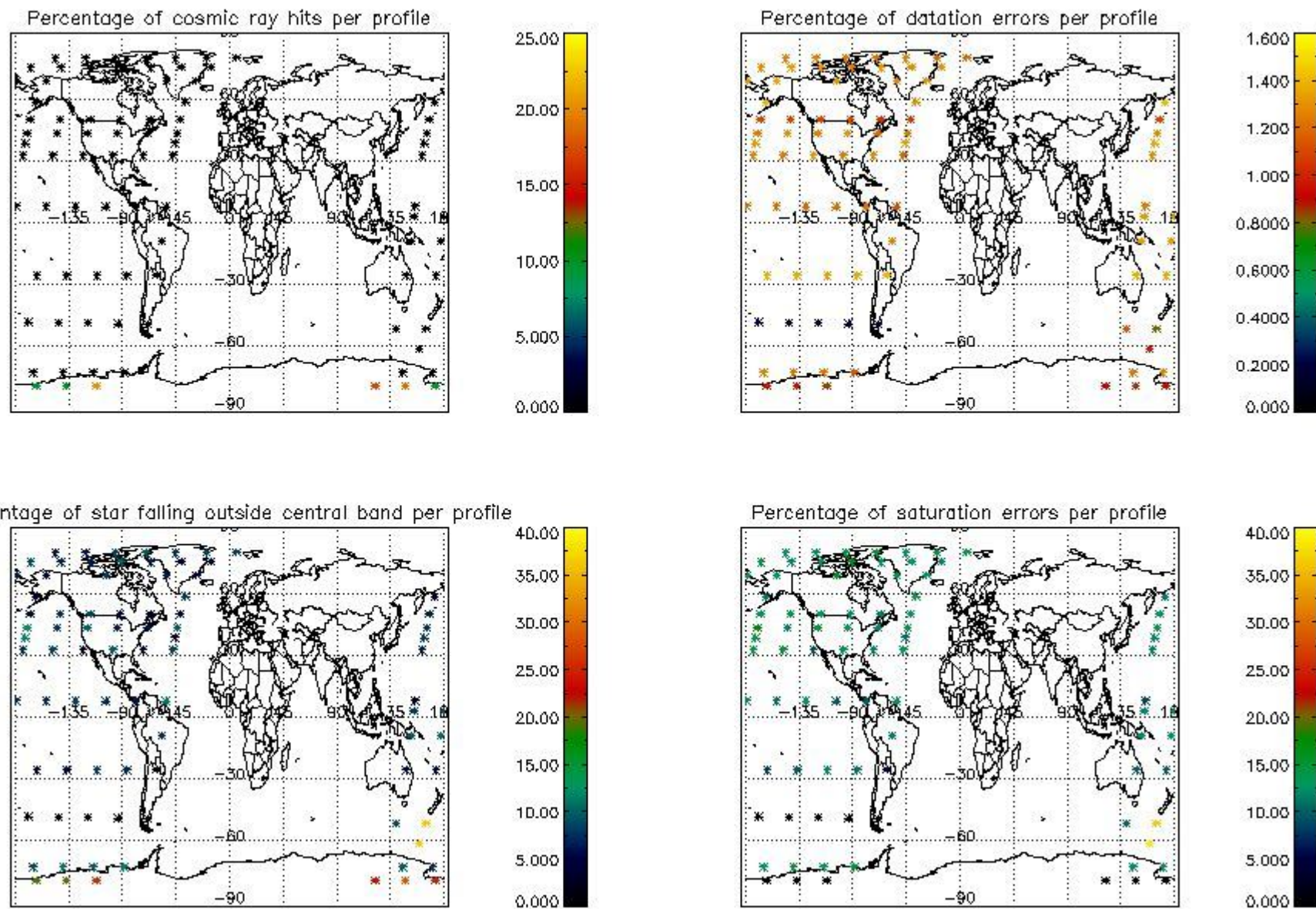
Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



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



## 5. Trace gas profiles

### 5.1 Ozone statistics based on quality of products

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

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

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

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

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

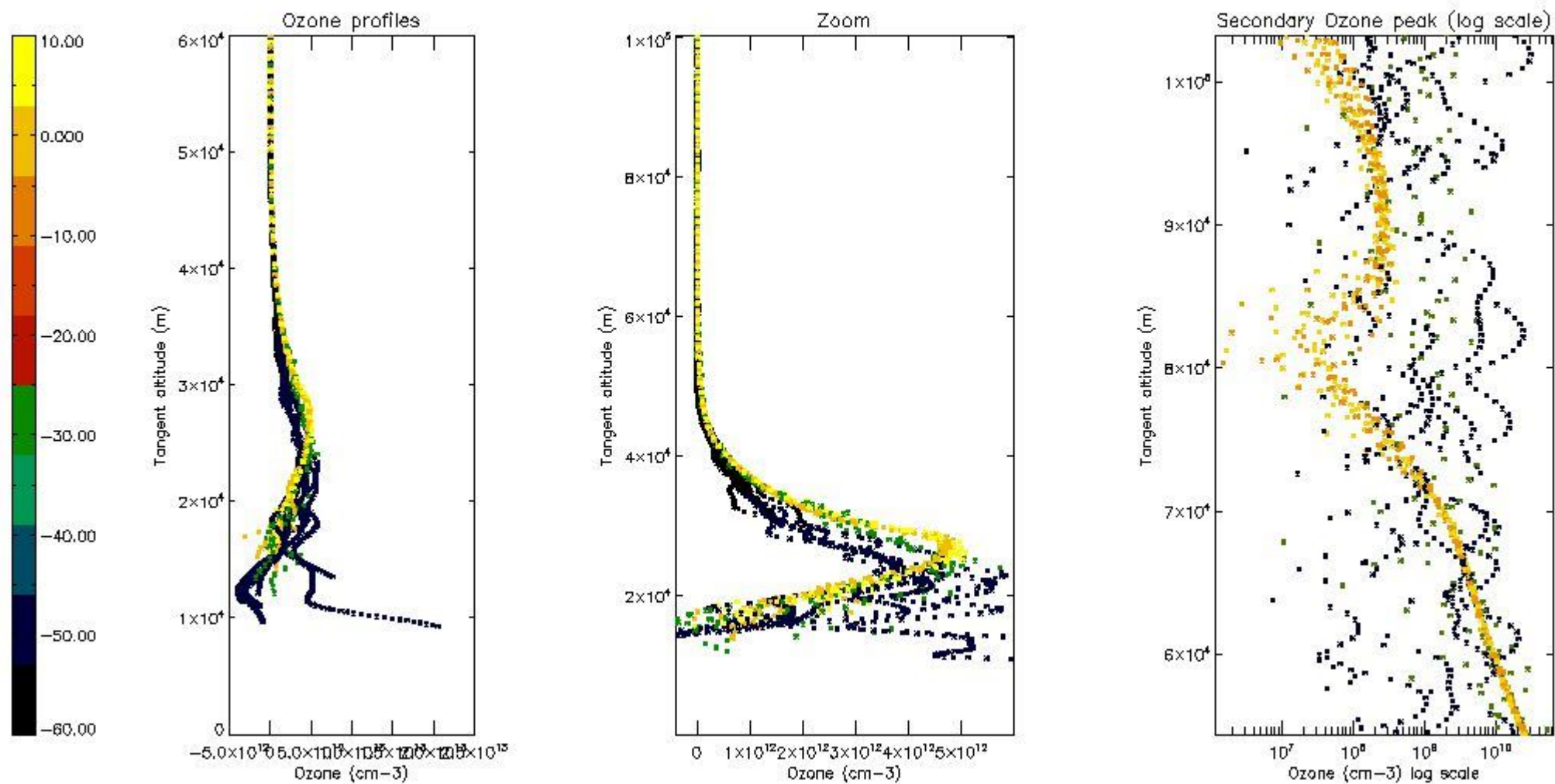
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	23
STD < 20	11

STD < 10	9
STD < 5	6

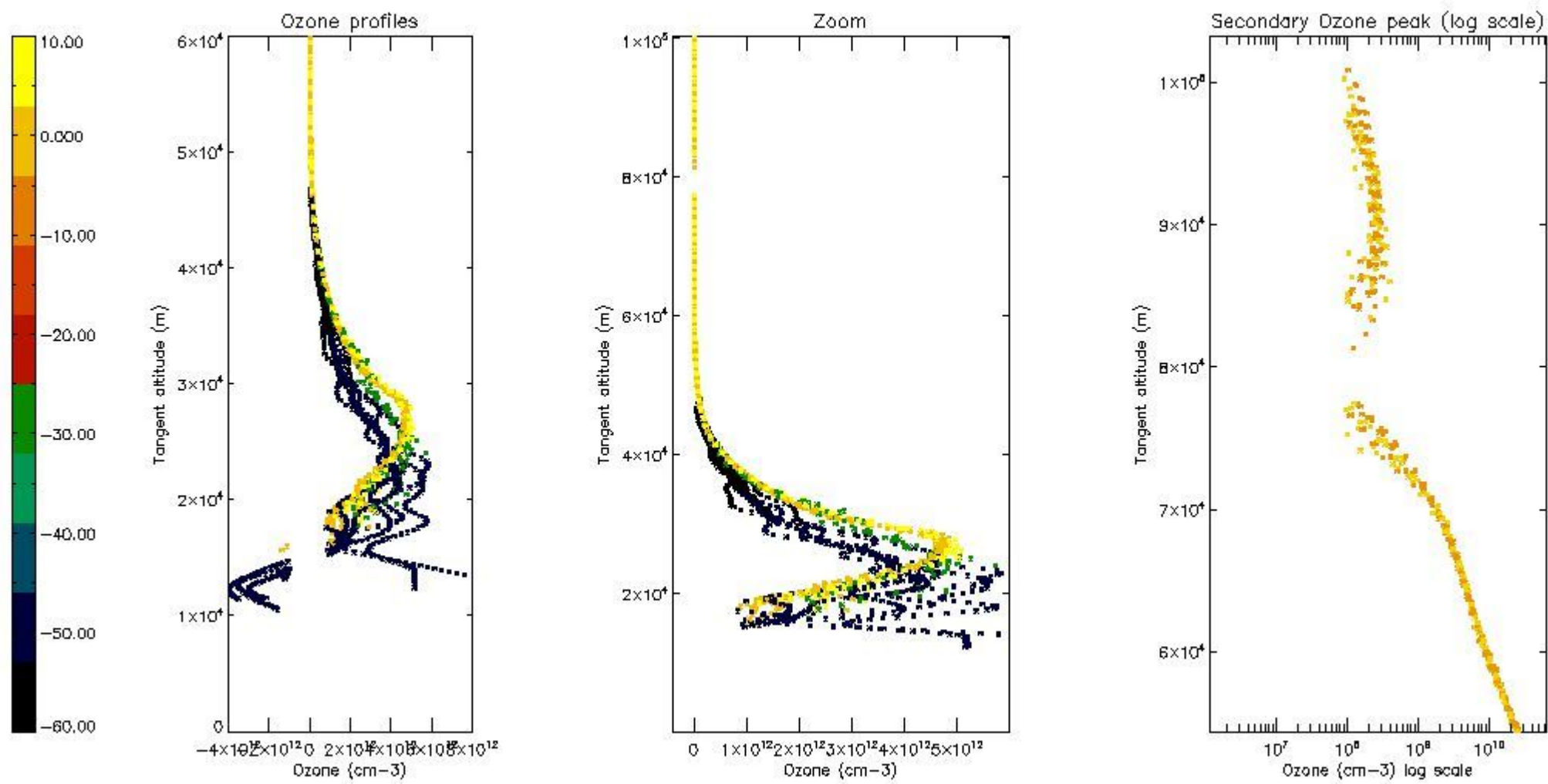
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



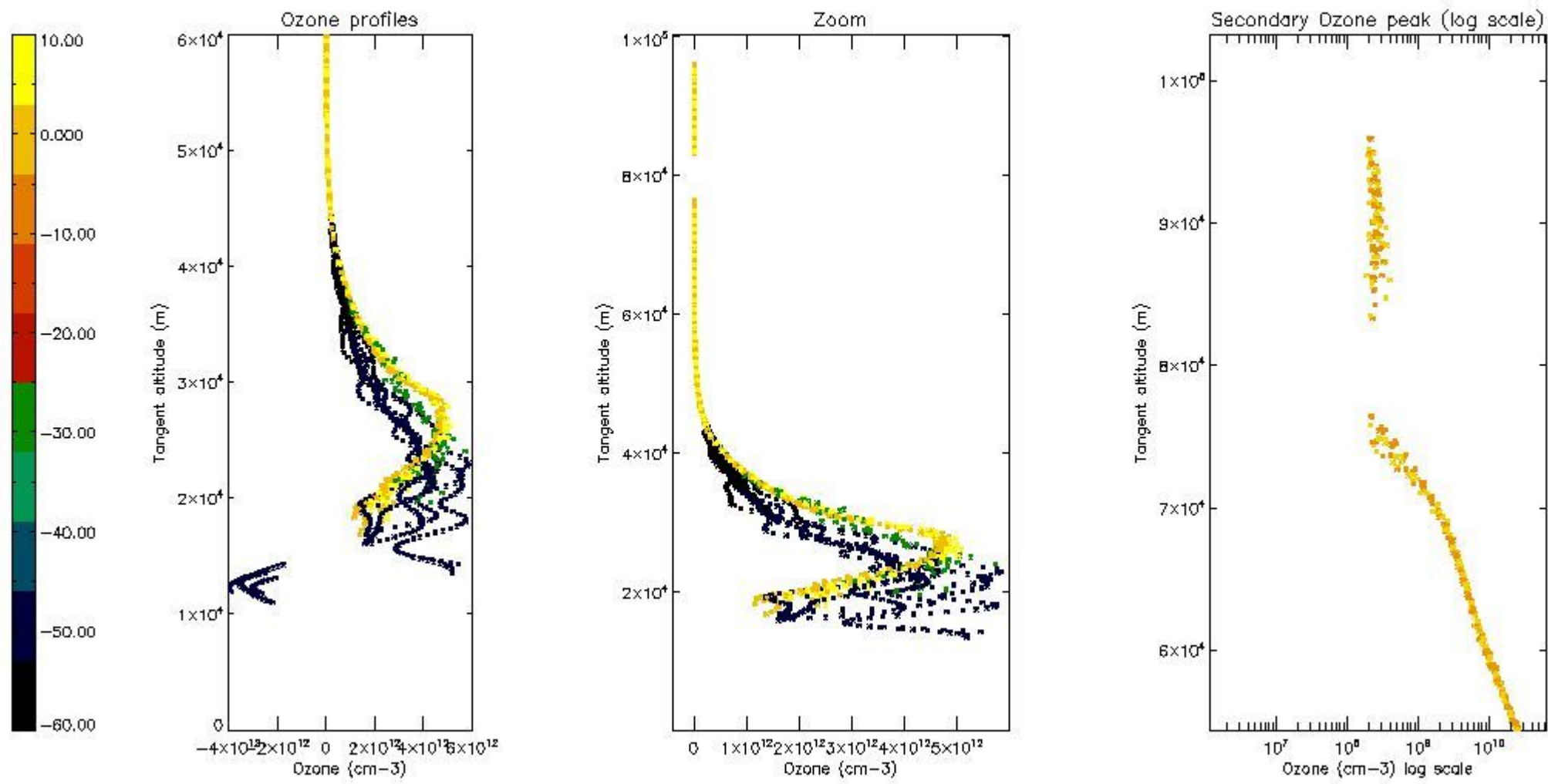
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



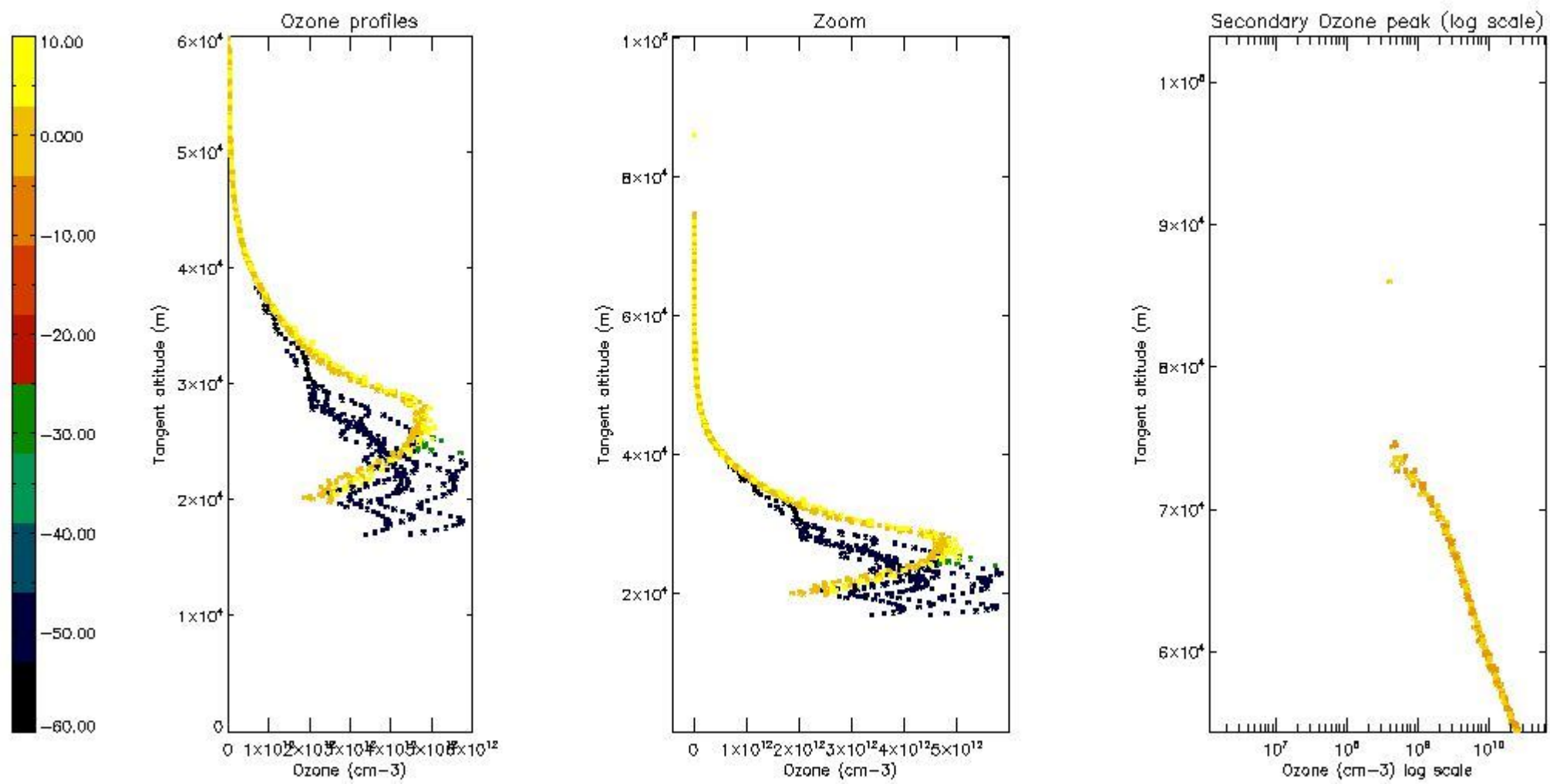
5.4 Plot ozone profiles where  $STD < 10\%$  (dark without errors)

The colorbar represents the latitude.



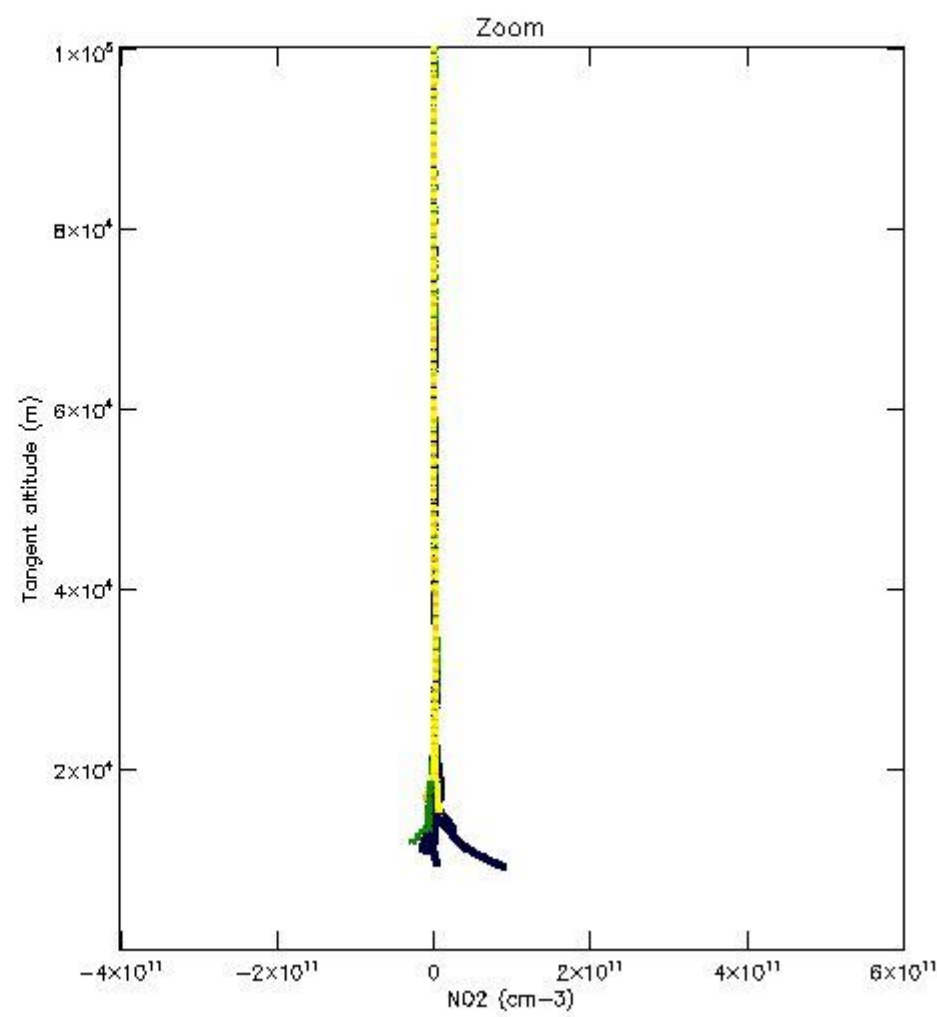
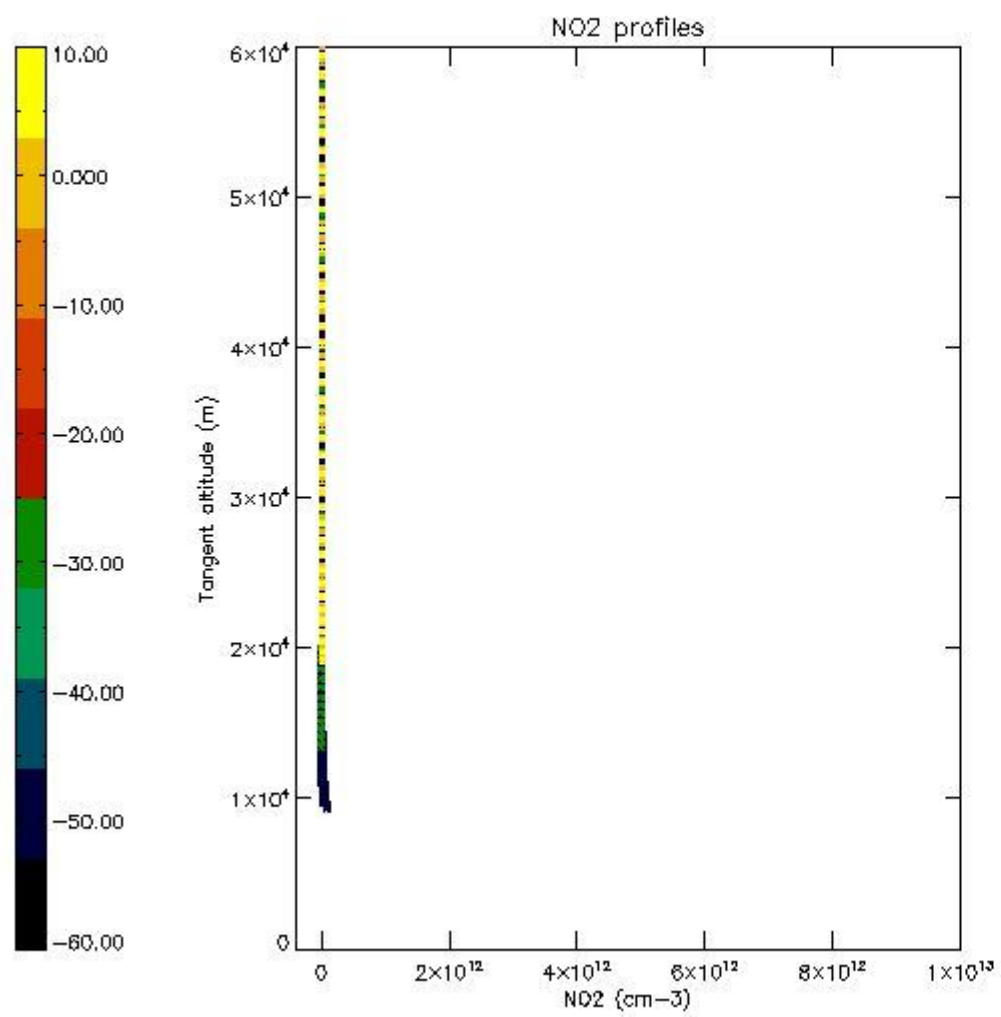
*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

The colorbar represents the latitude.



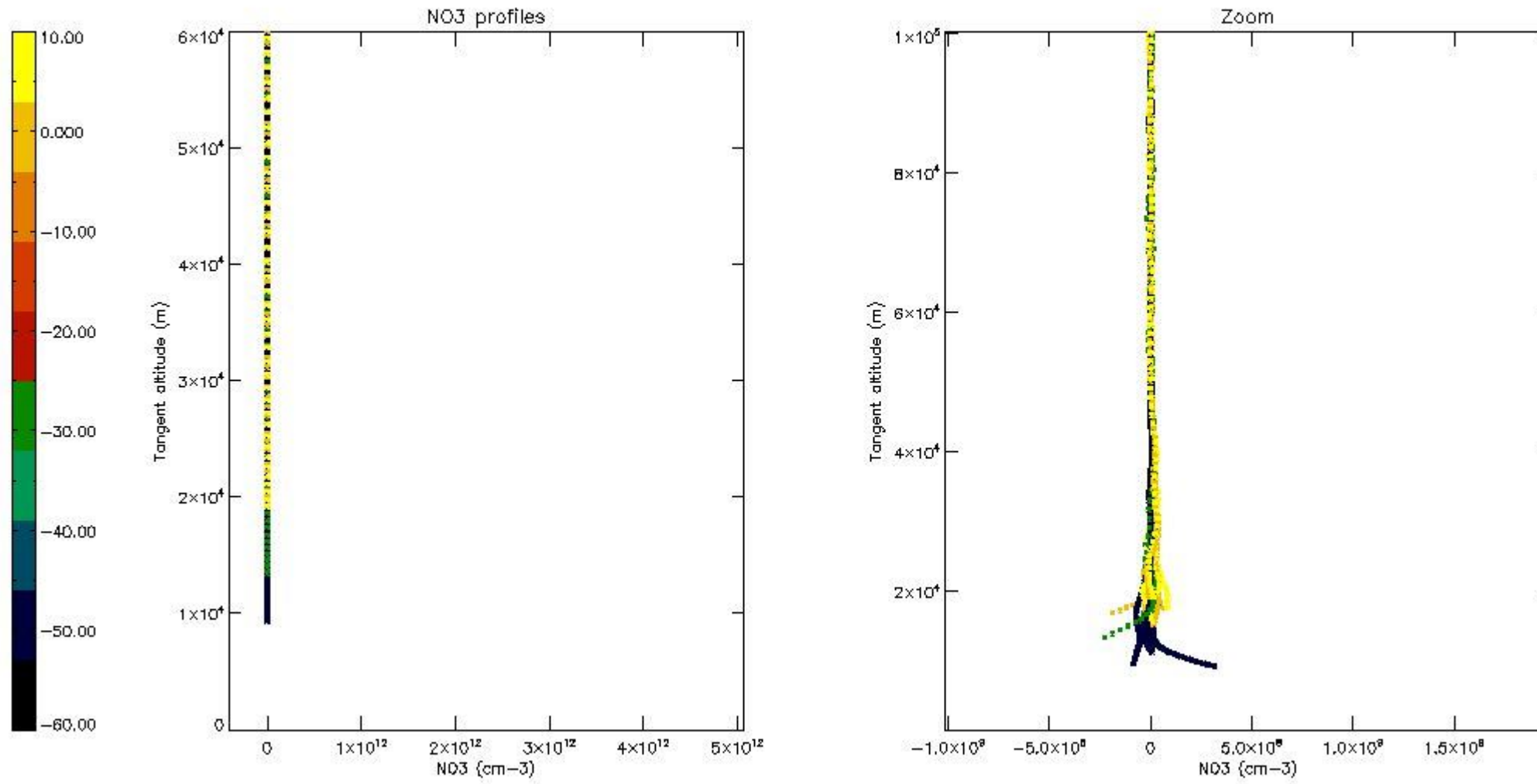
*5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)*

The colorbar represents the latitude.



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

The colorbar represents the latitude.

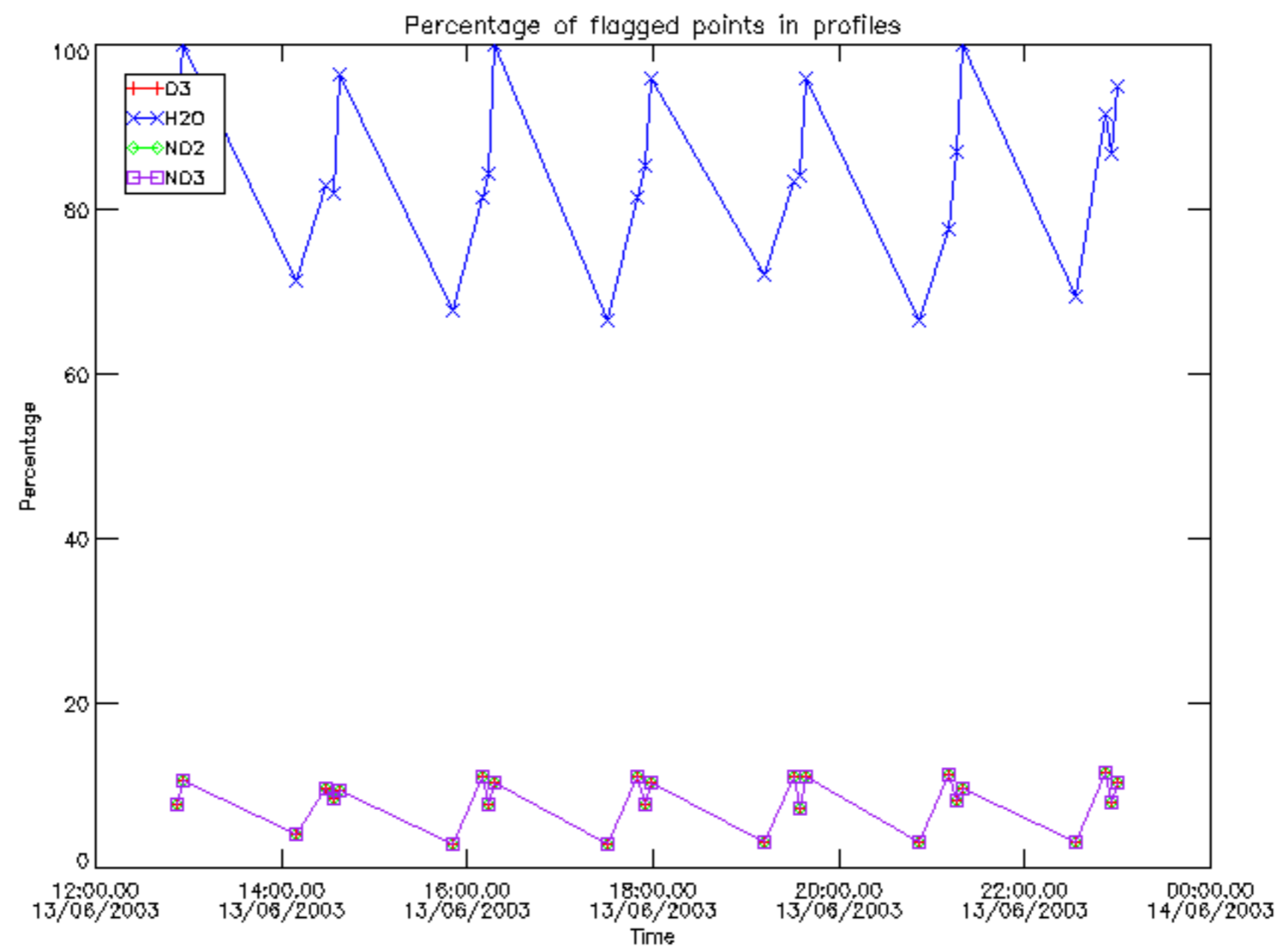


## 6. Auxiliary Data Files used for the production reported in section 2

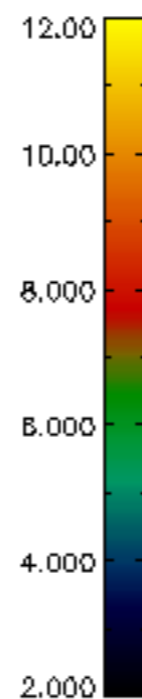
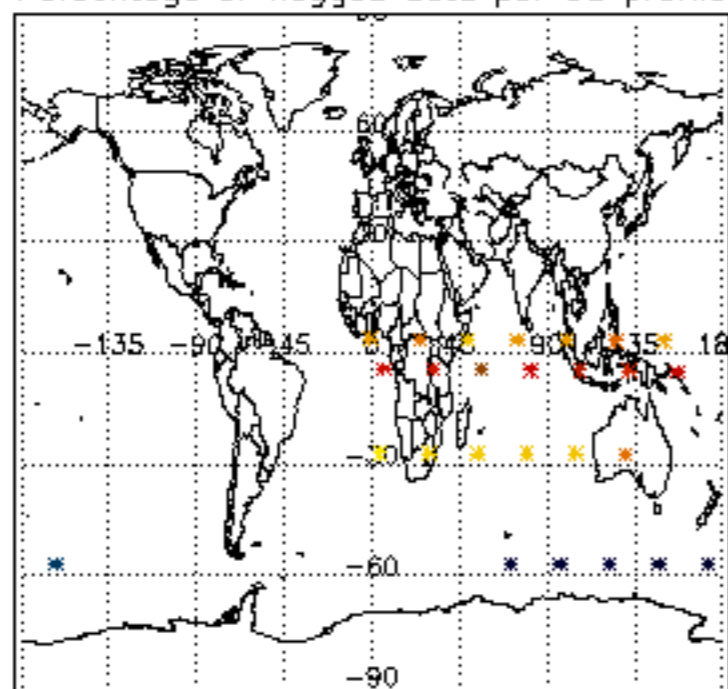
The number reported in the third column indicates since which file (see list in section 2) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXNIEC20050627_150440_20020301_000000_20100101_000000	1	13-JUN-2003 12:52:39
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	13-JUN-2003 12:52:39
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	13-JUN-2003 12:52:39

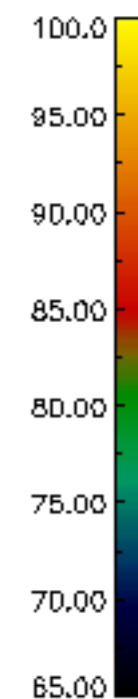
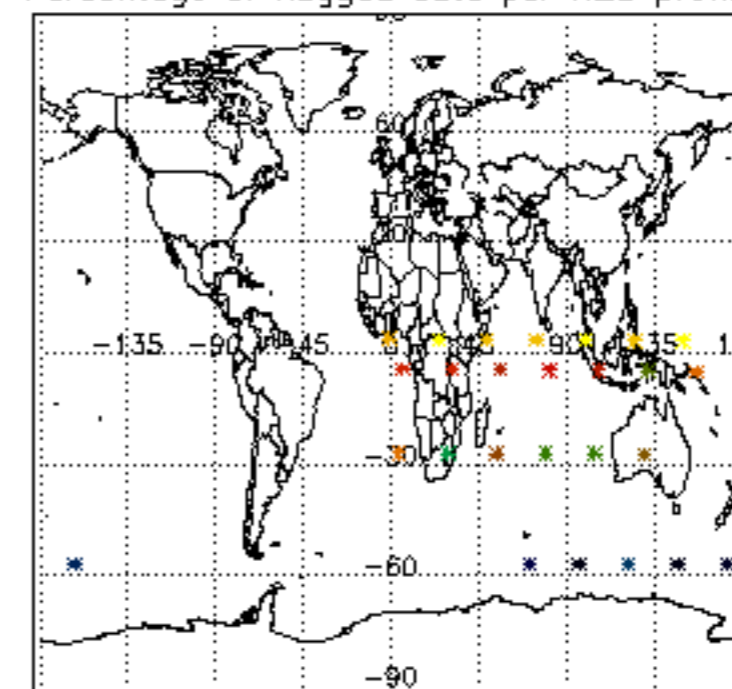




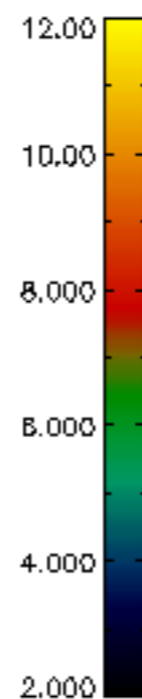
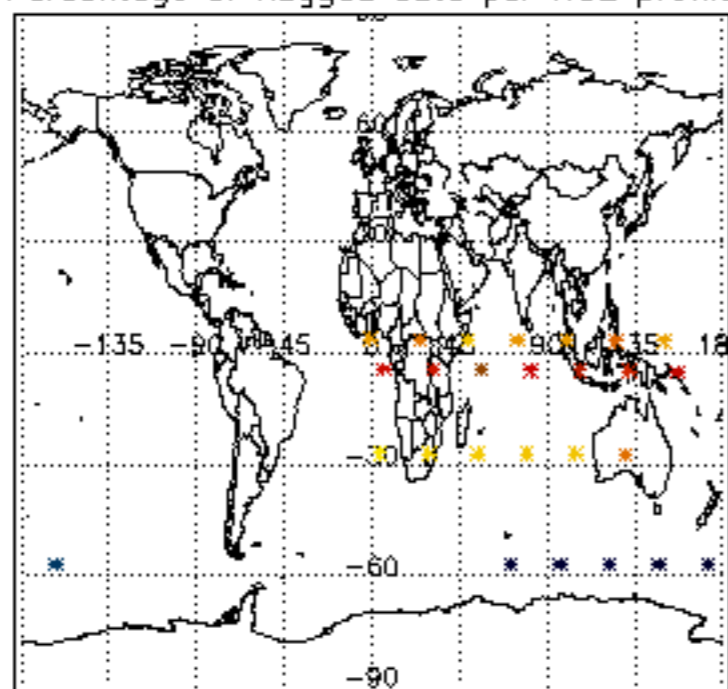
Percentage of flagged data per D3 profile



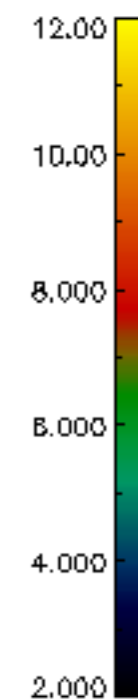
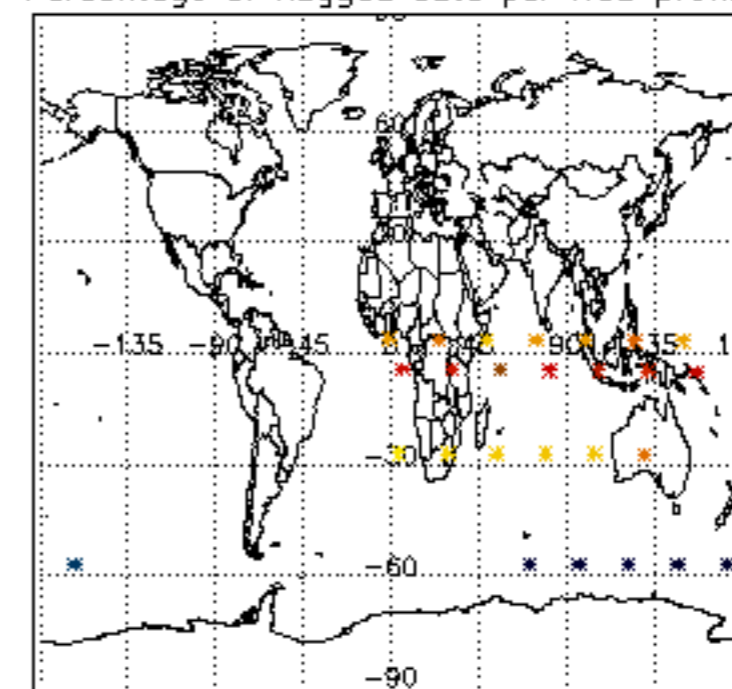
Percentage of flagged data per H2O profile

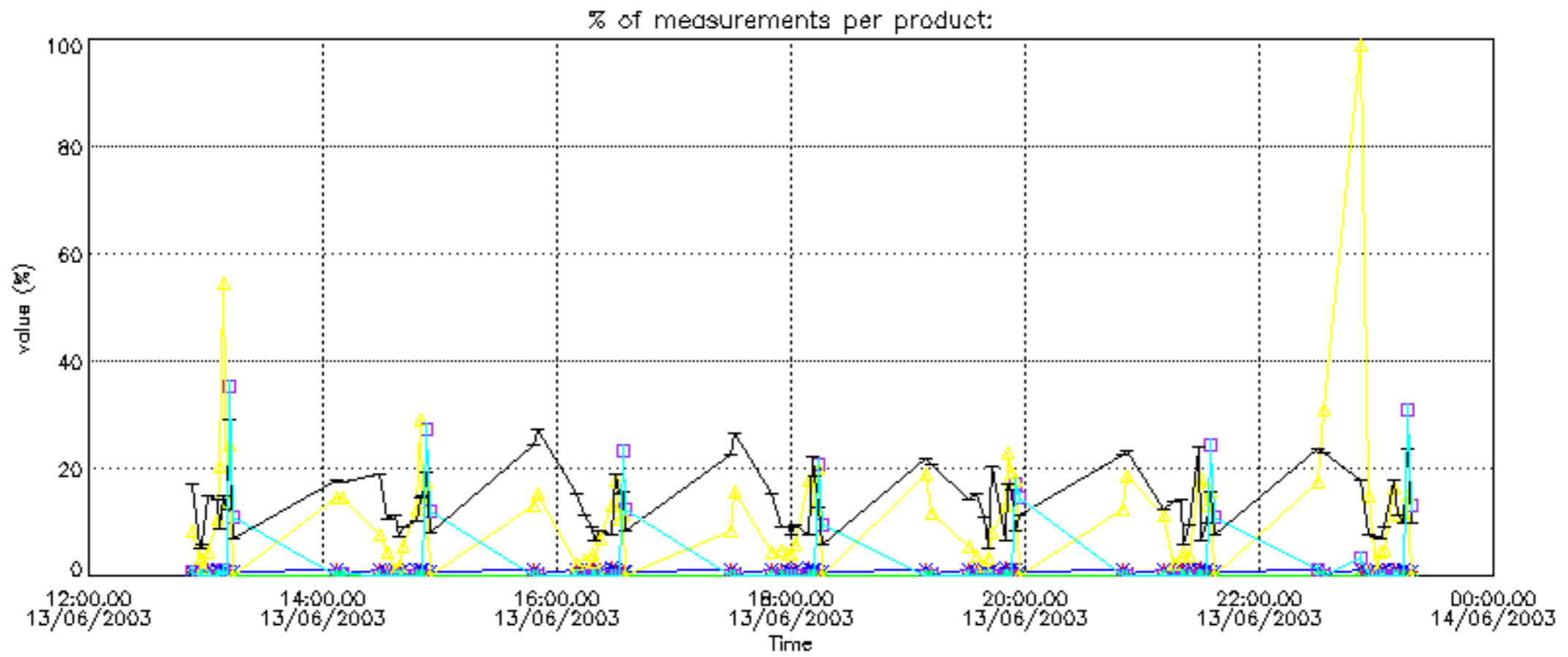
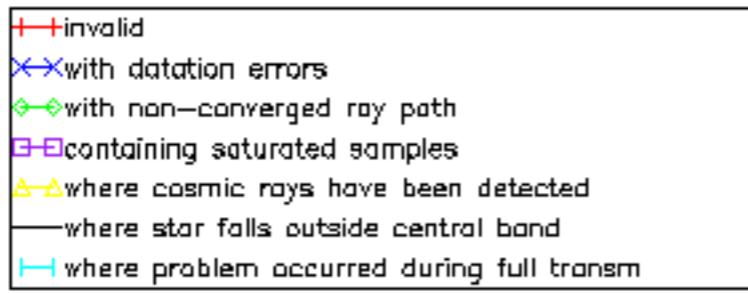


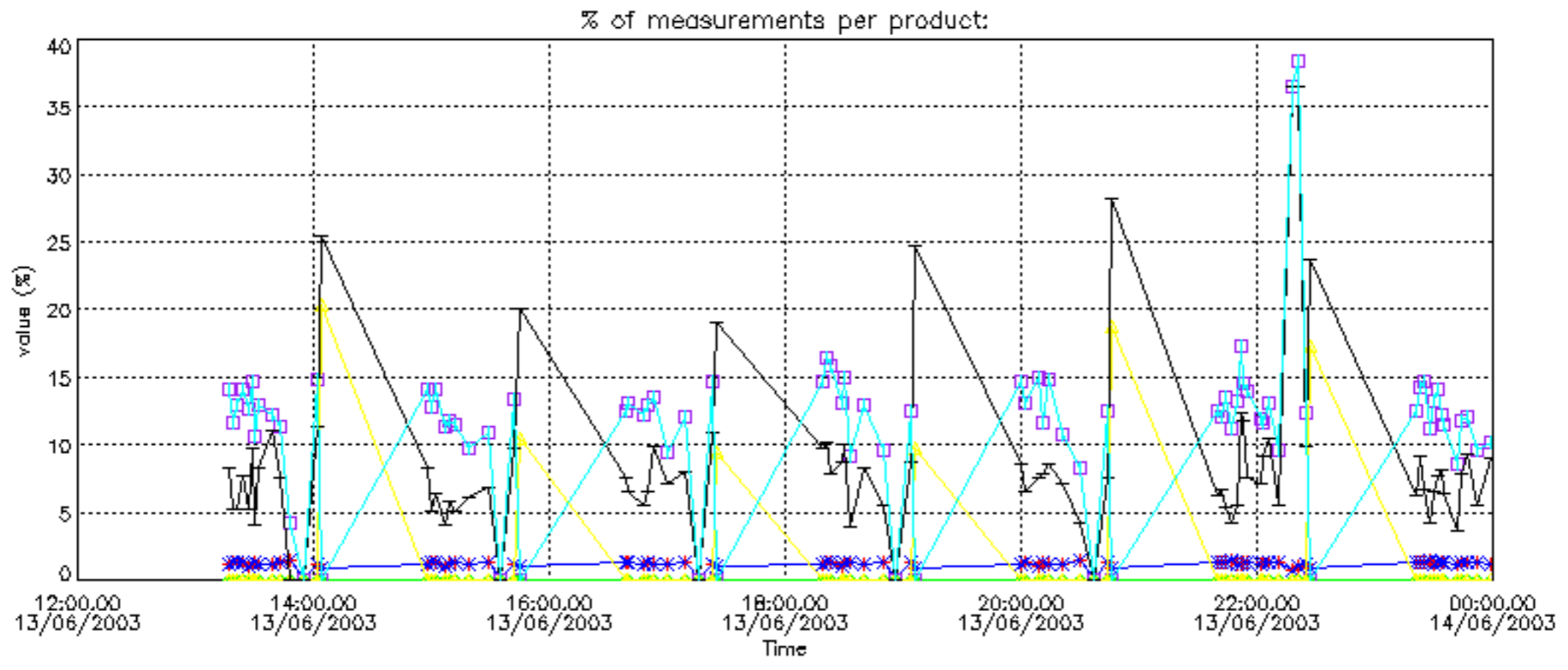
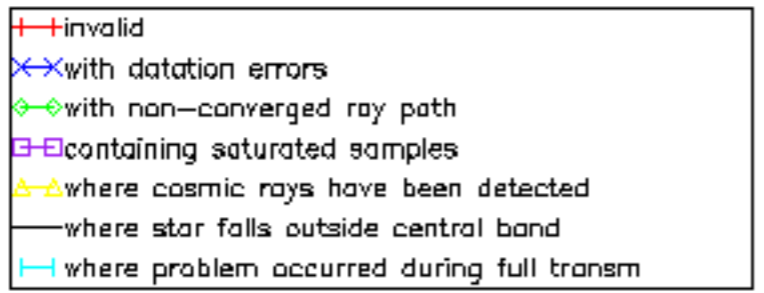
Percentage of flagged data per NO2 profile



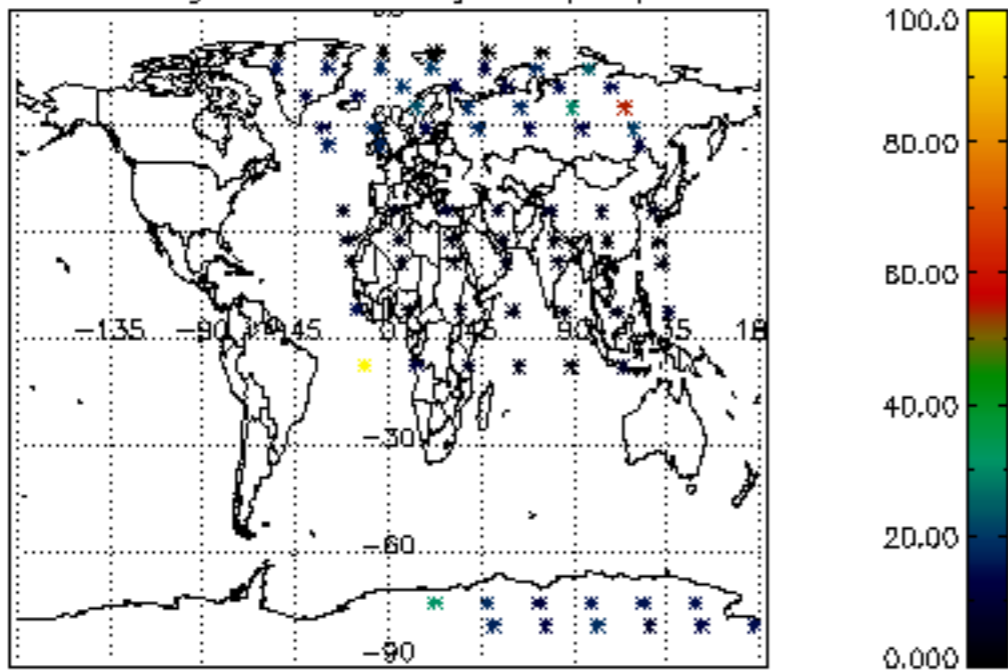
Percentage of flagged data per NO3 profile



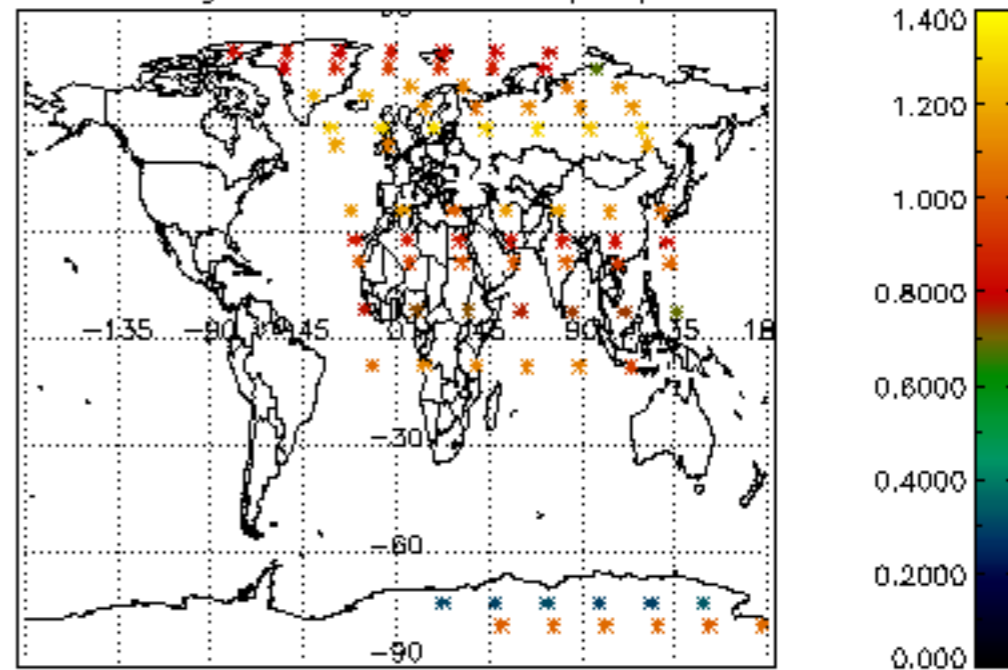




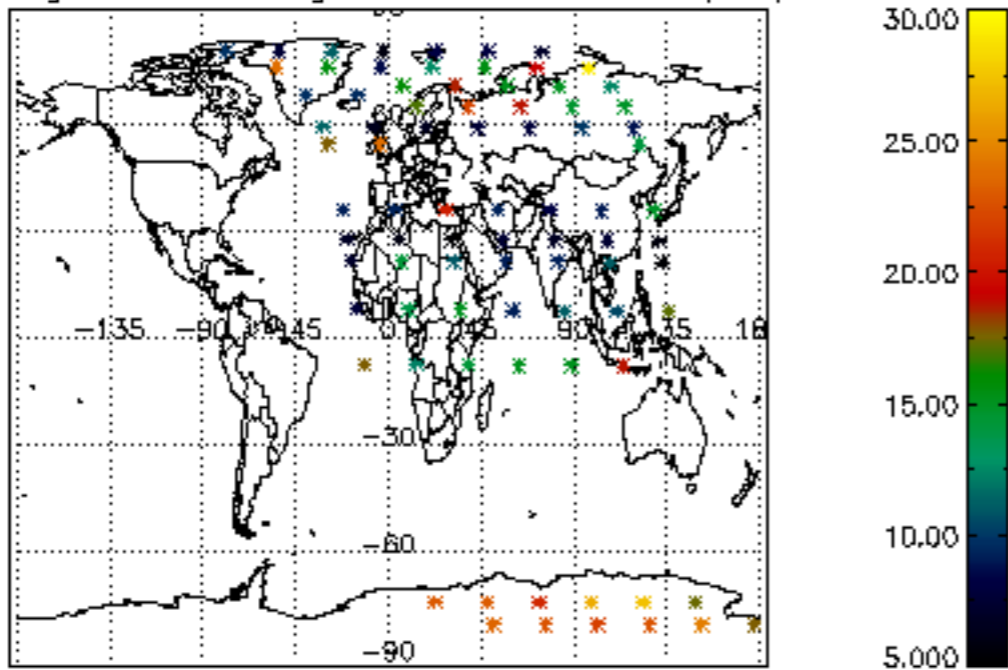
Percentage of cosmic ray hits per profile



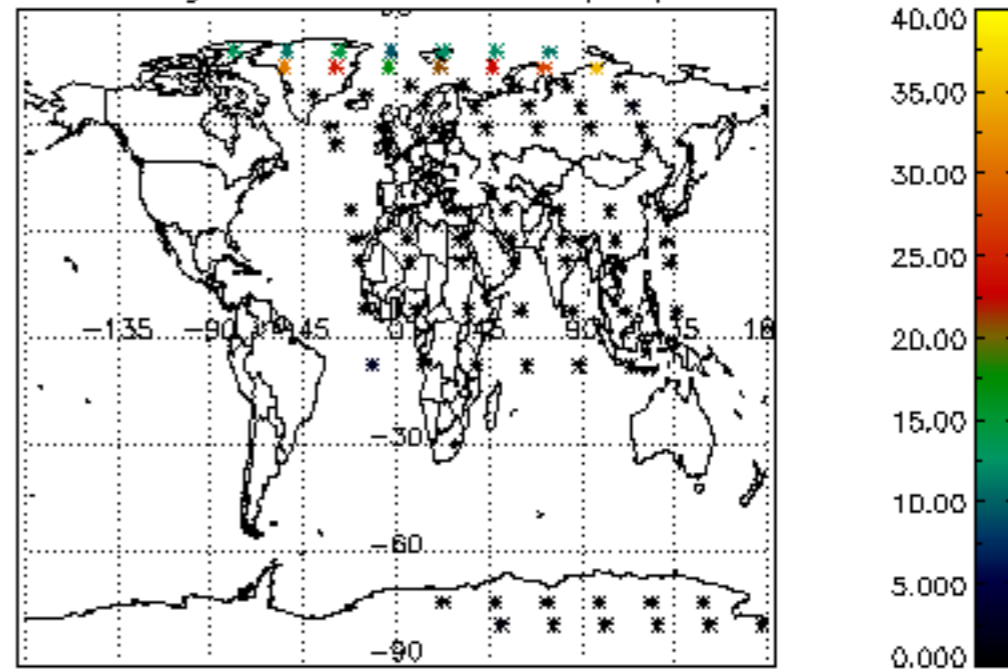
Percentage of datation errors per profile



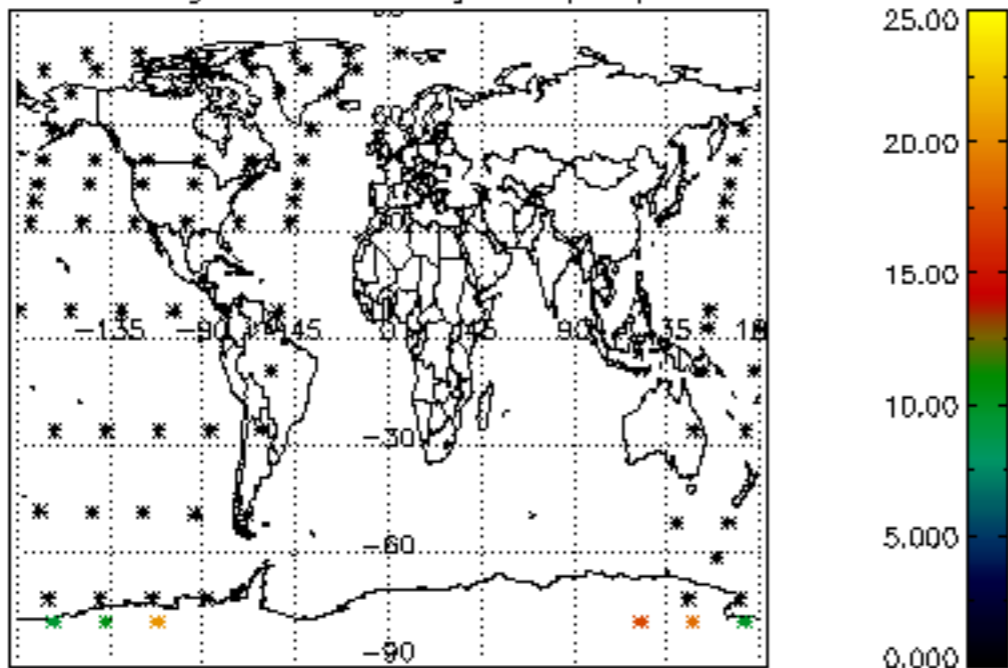
Percentage of star falling outside central band per profile



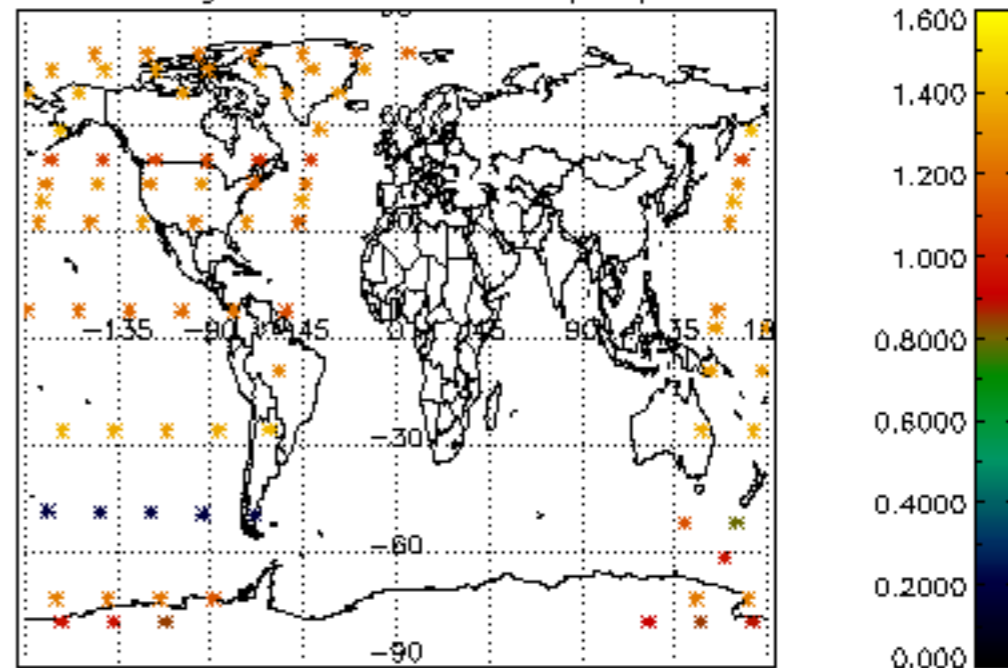
Percentage of saturation errors per profile



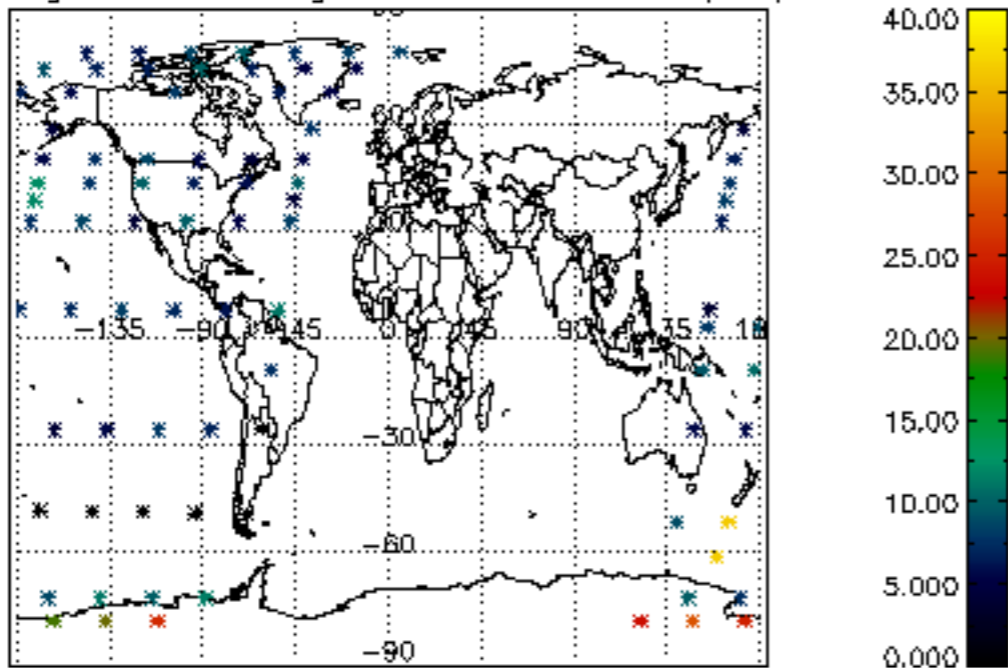
Percentage of cosmic ray hits per profile



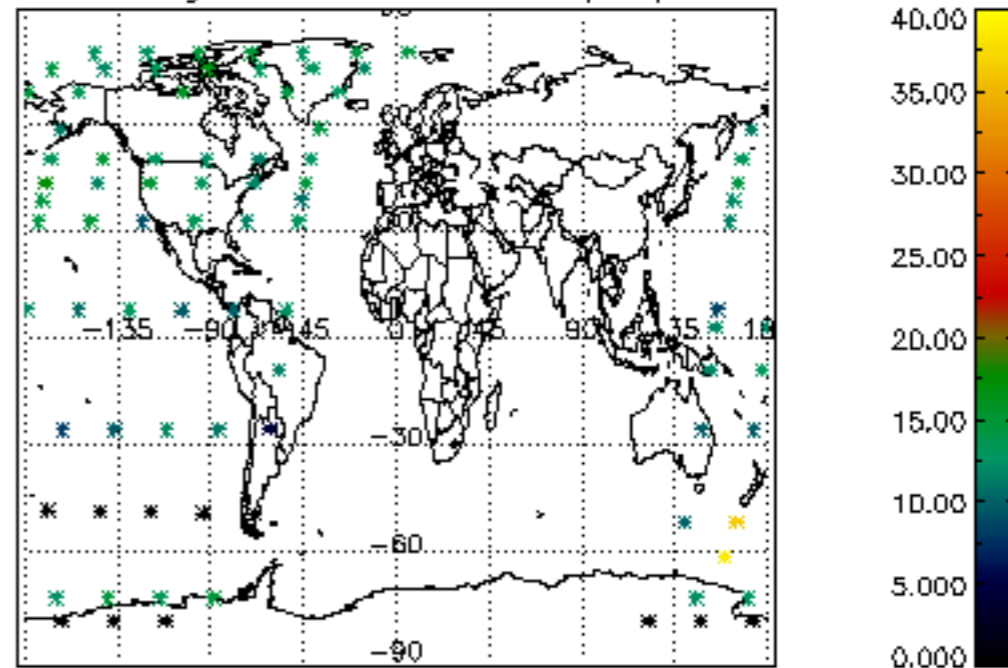
Percentage of datation errors per profile

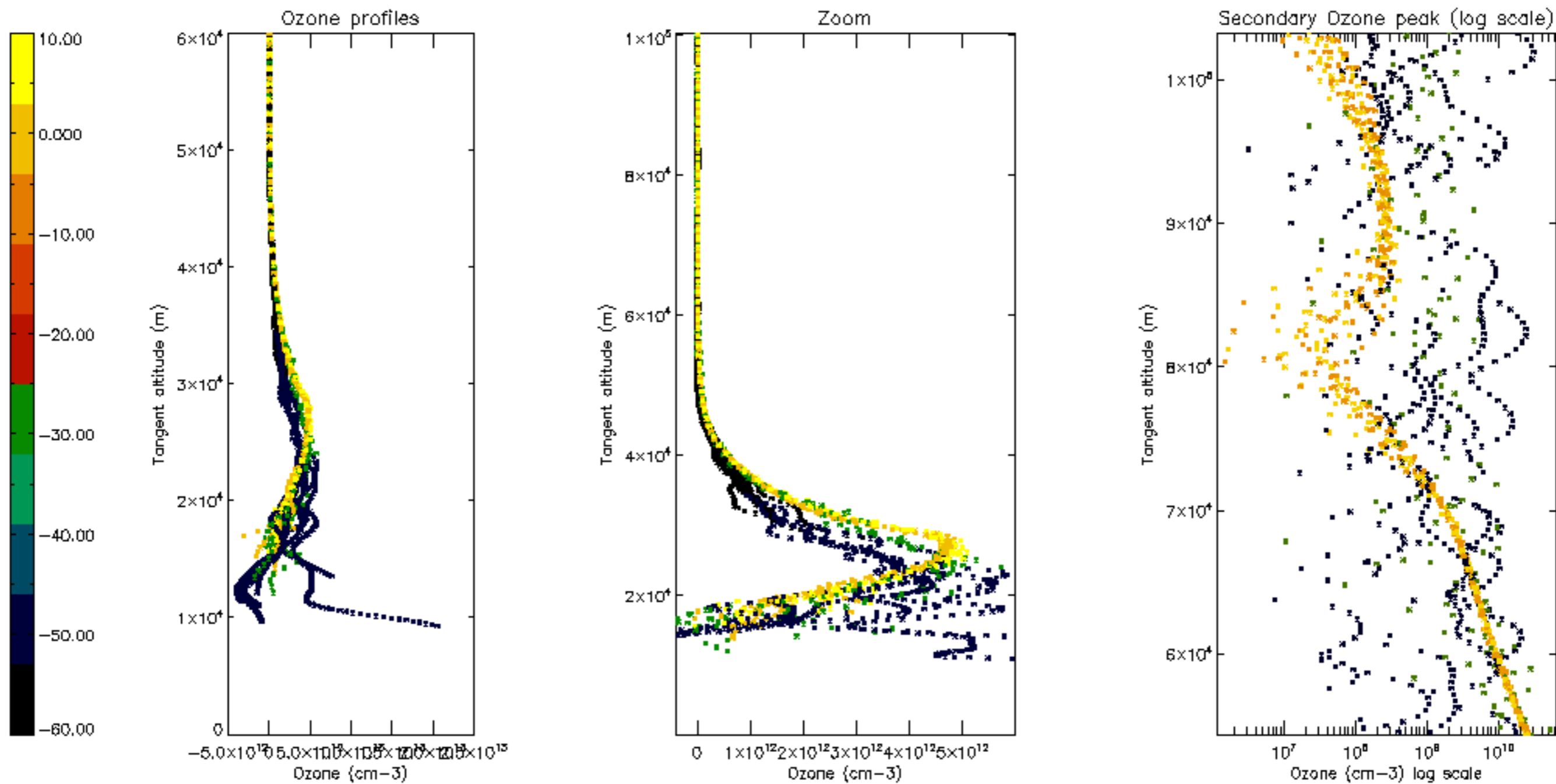


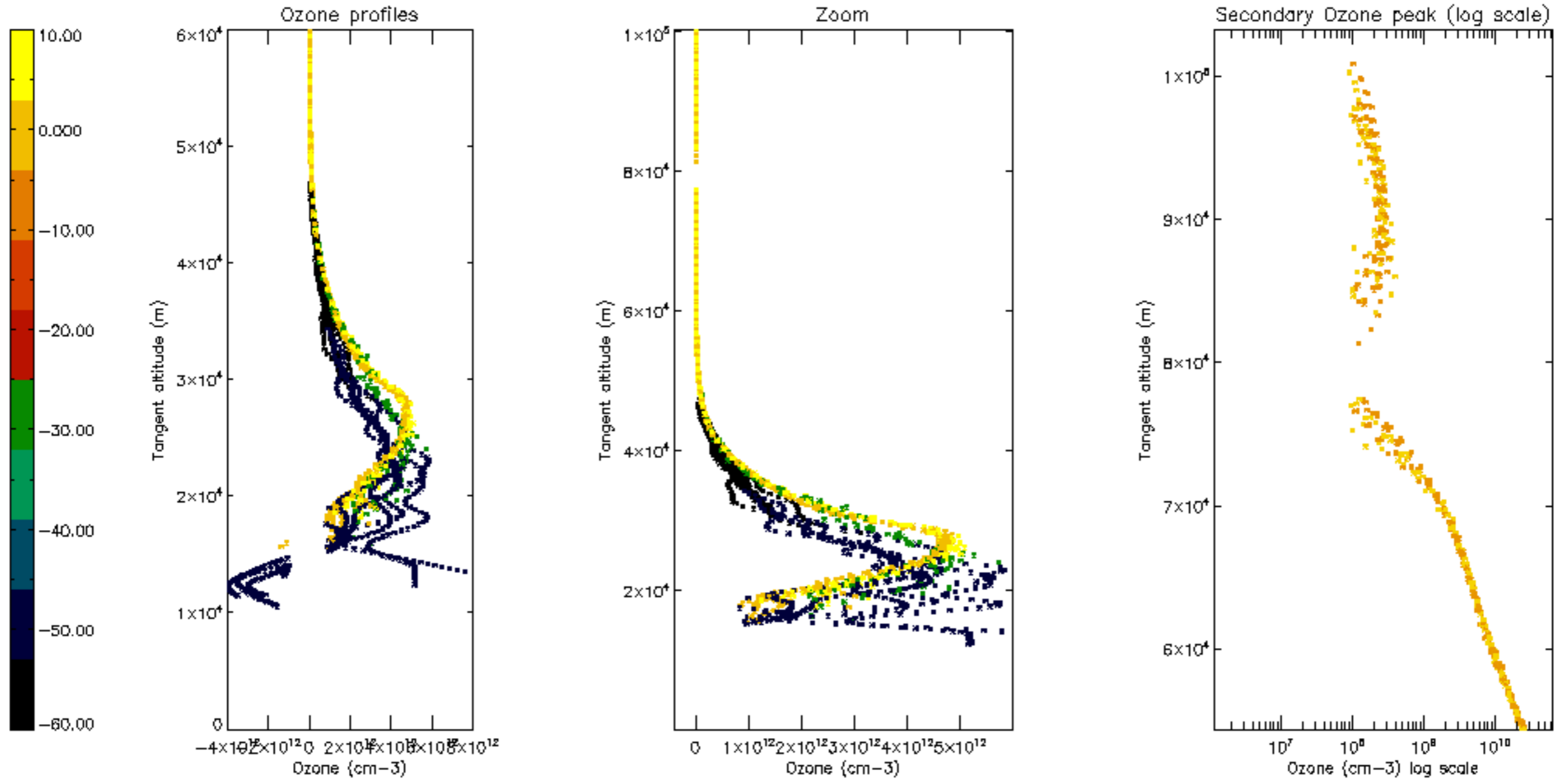
Percentage of star falling outside central band per profile



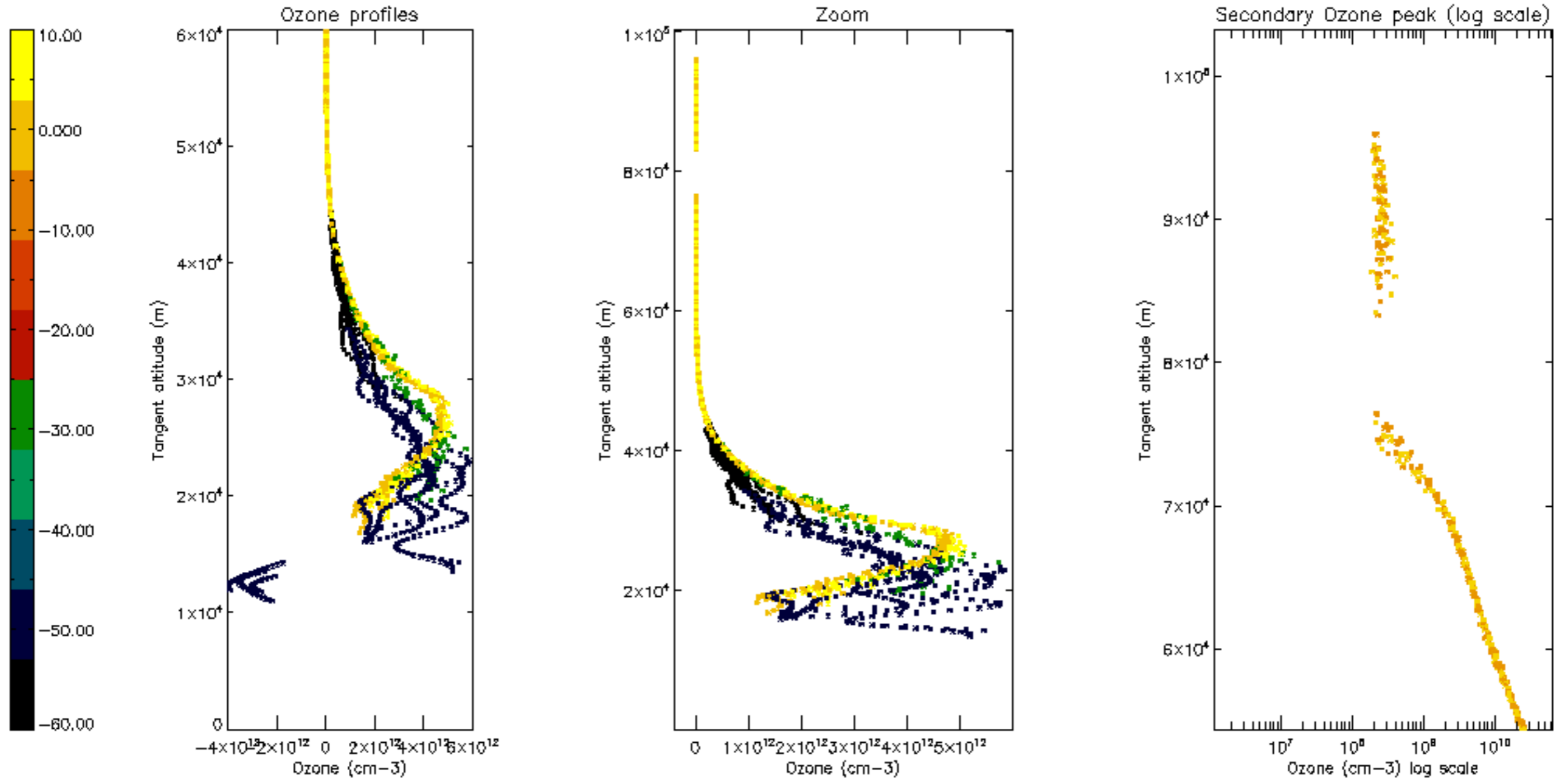
Percentage of saturation errors per profile

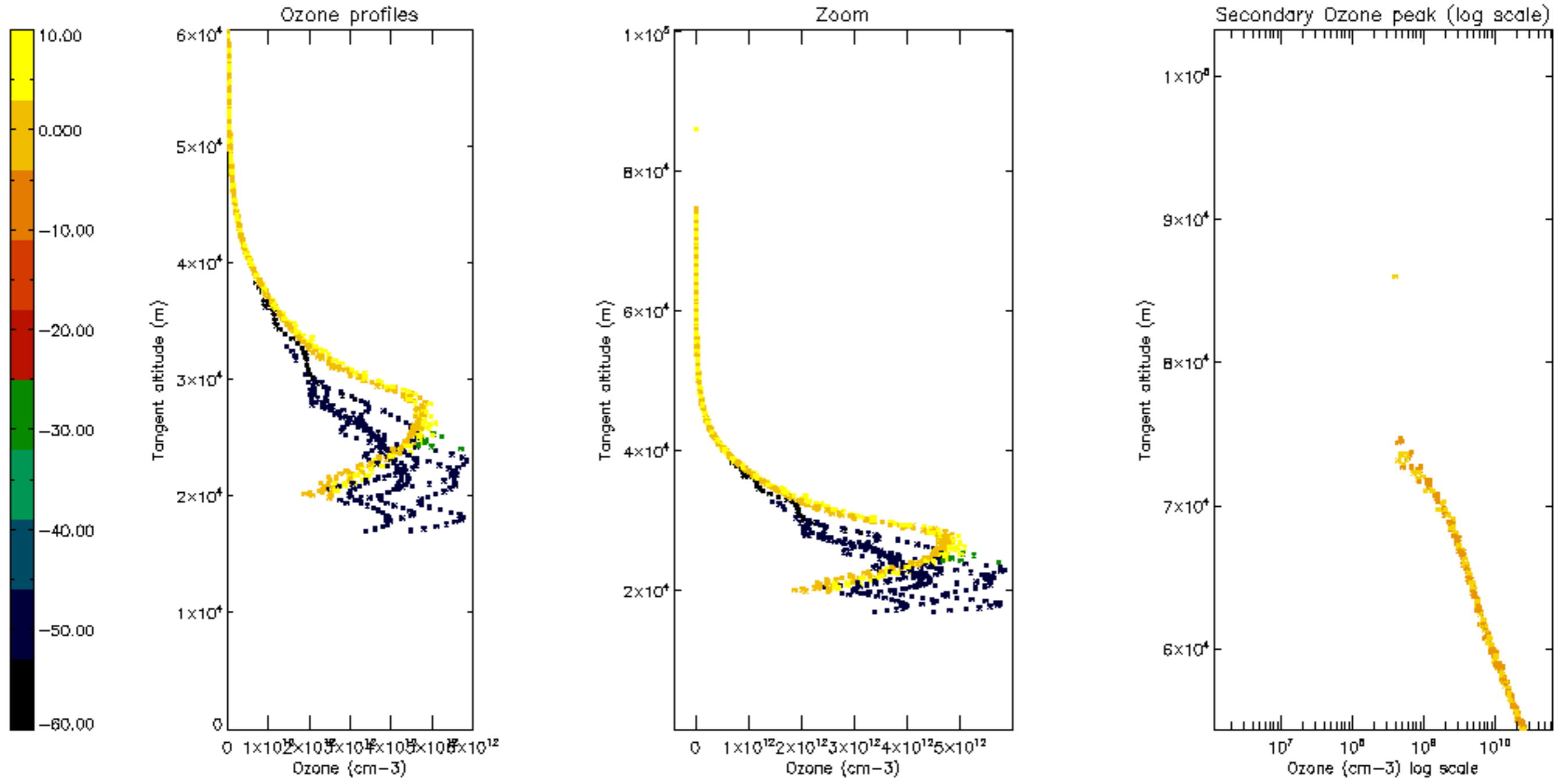


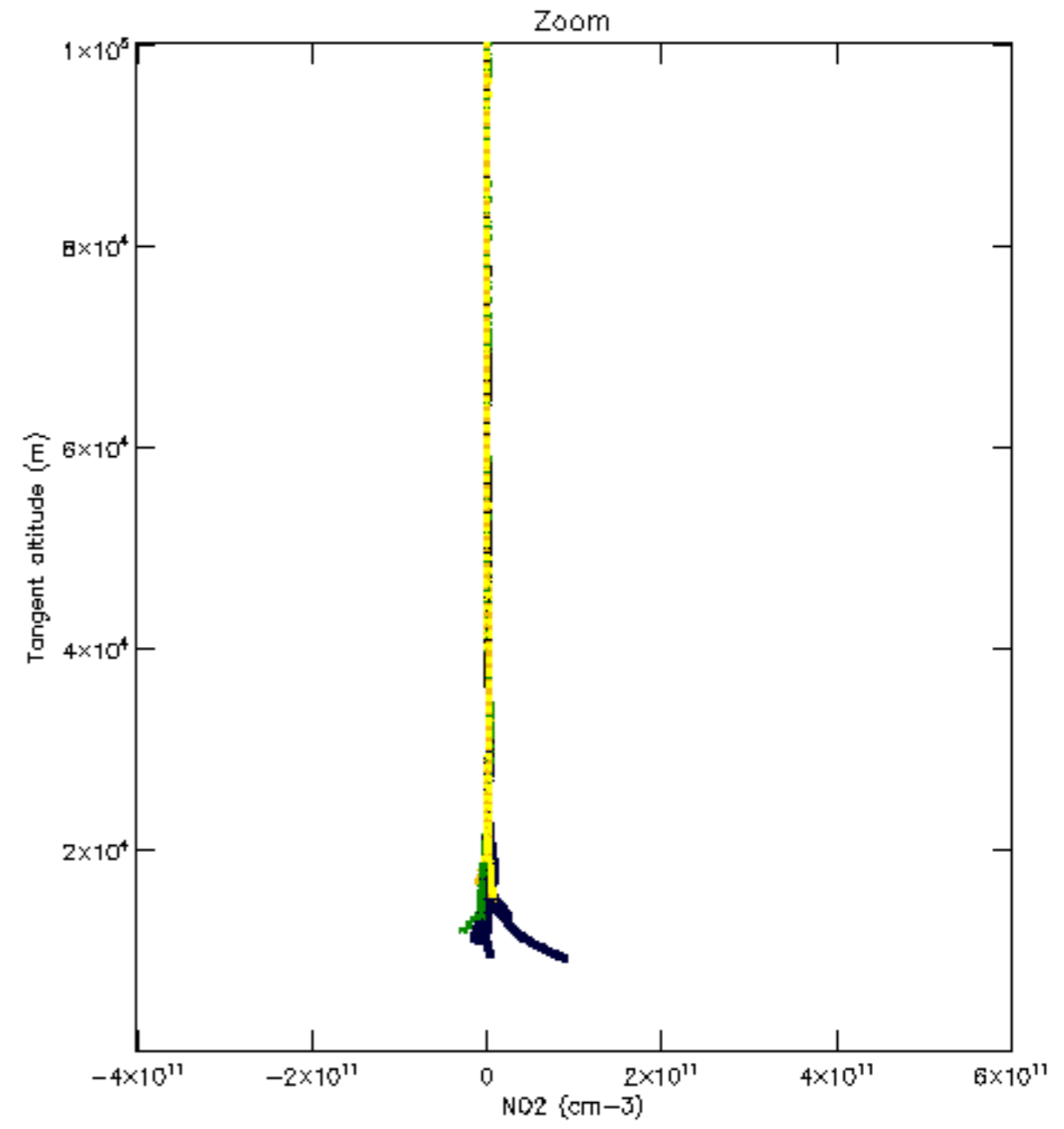
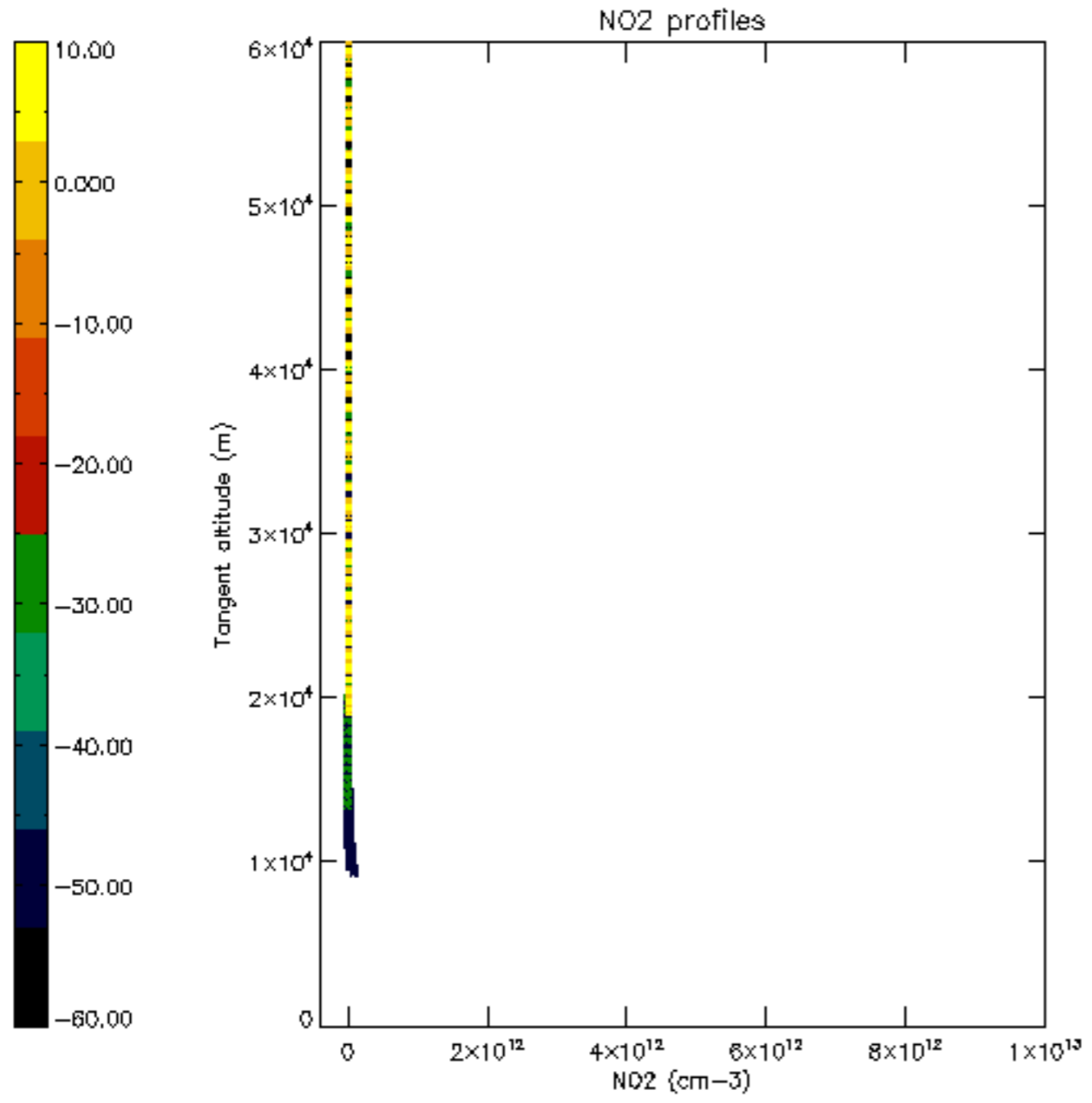


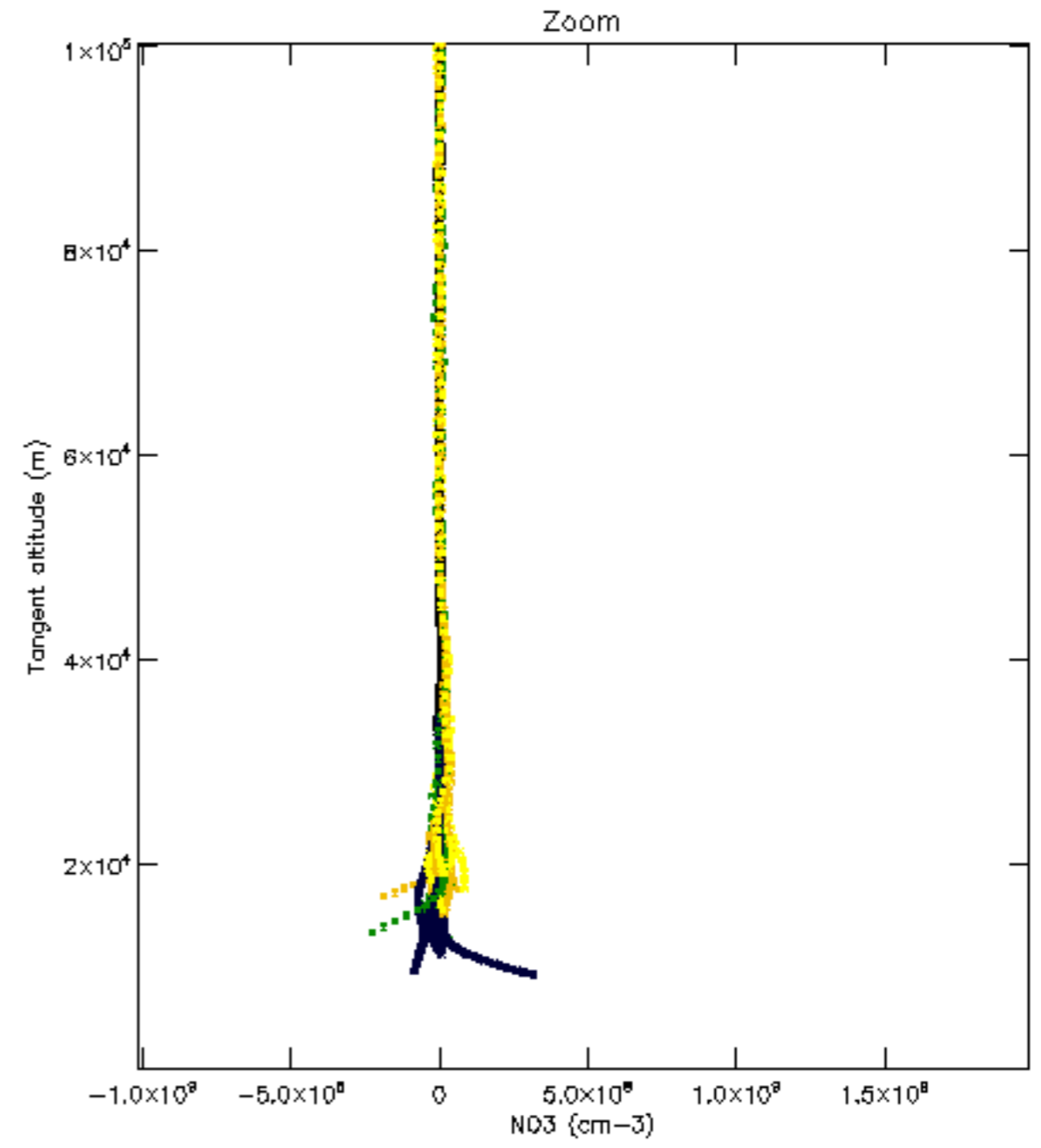
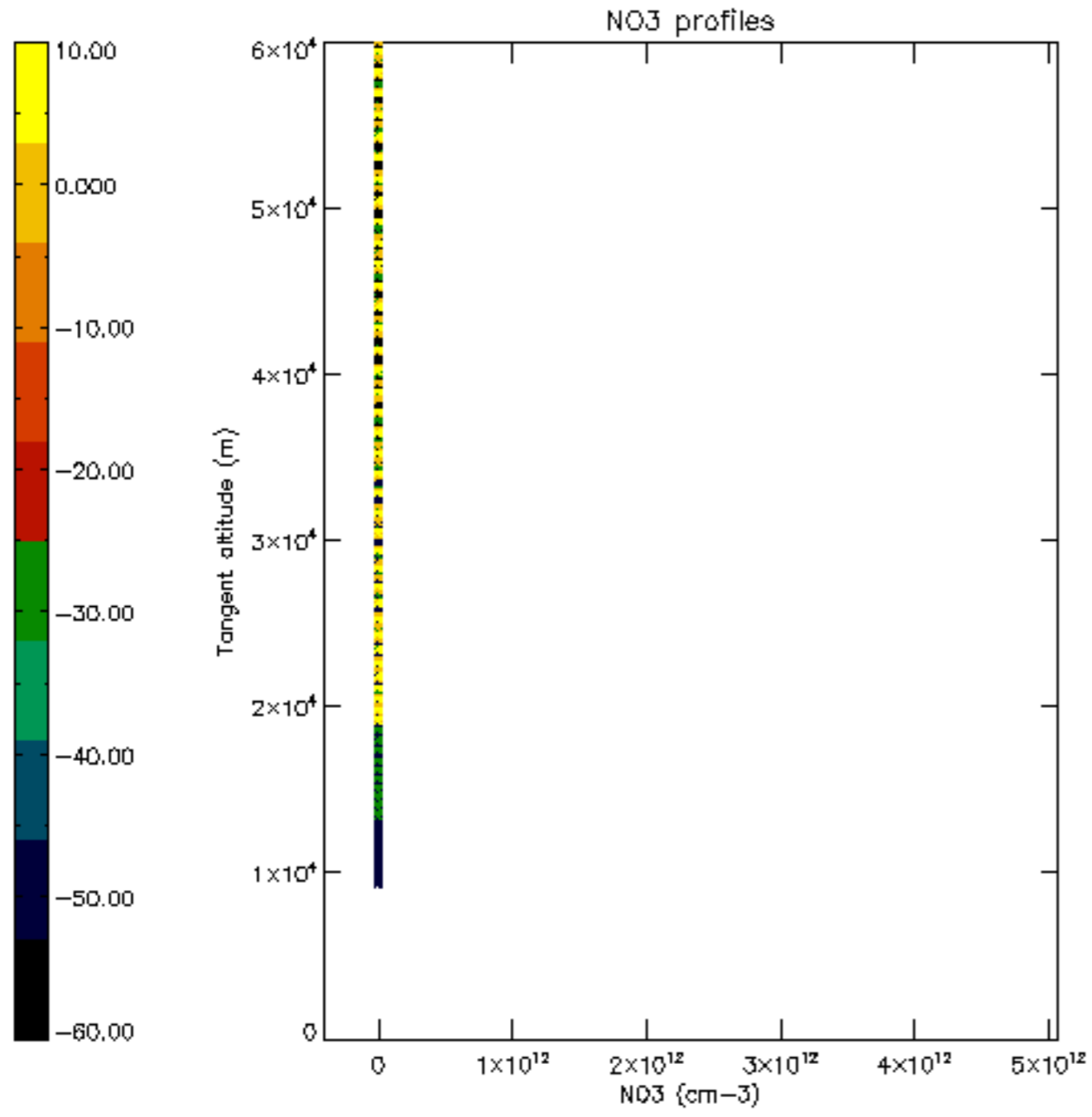


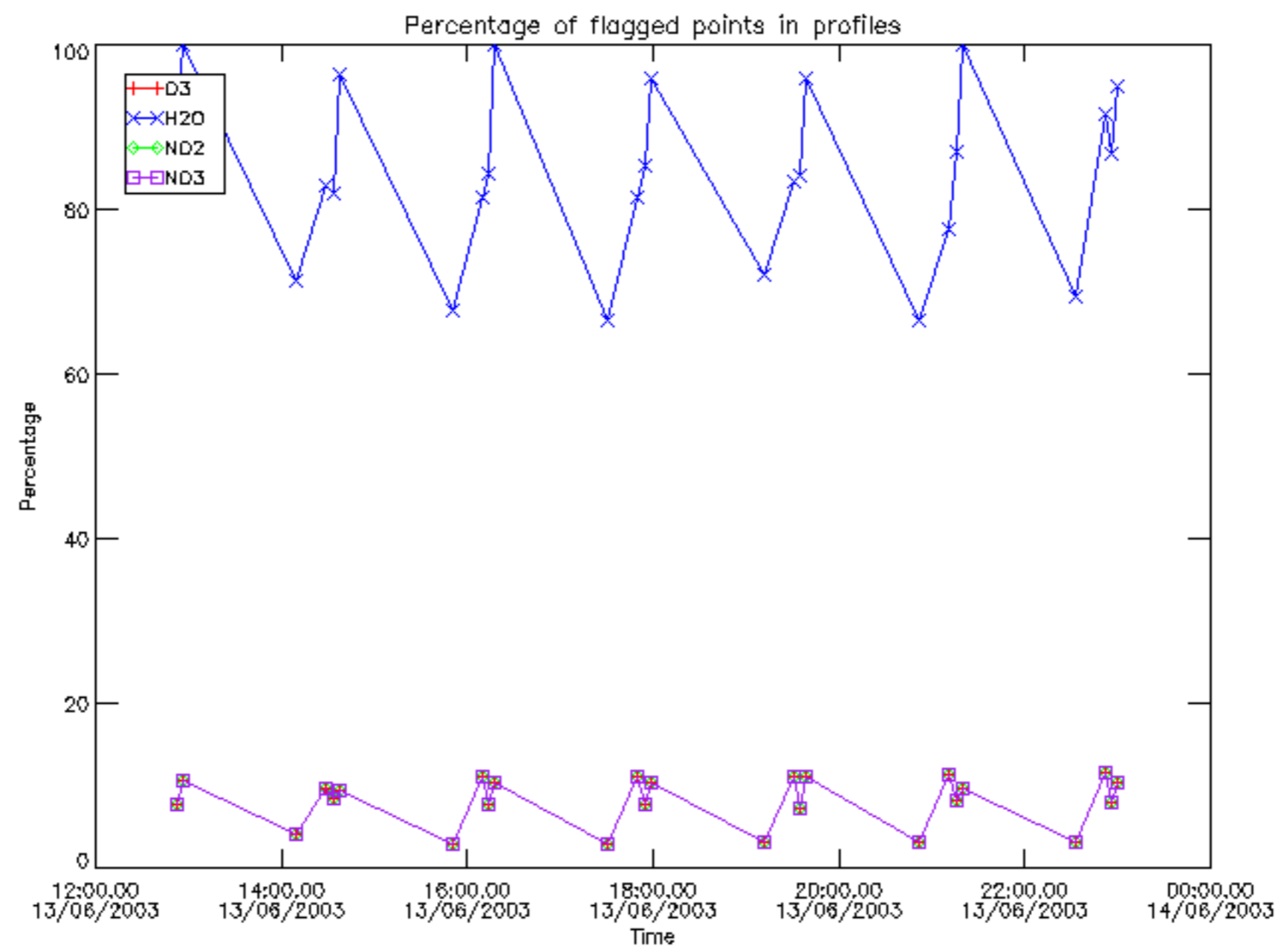




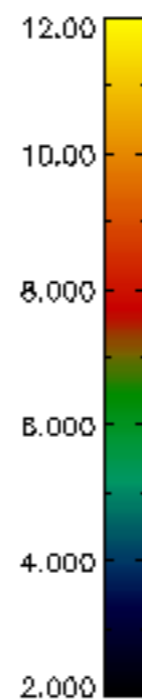
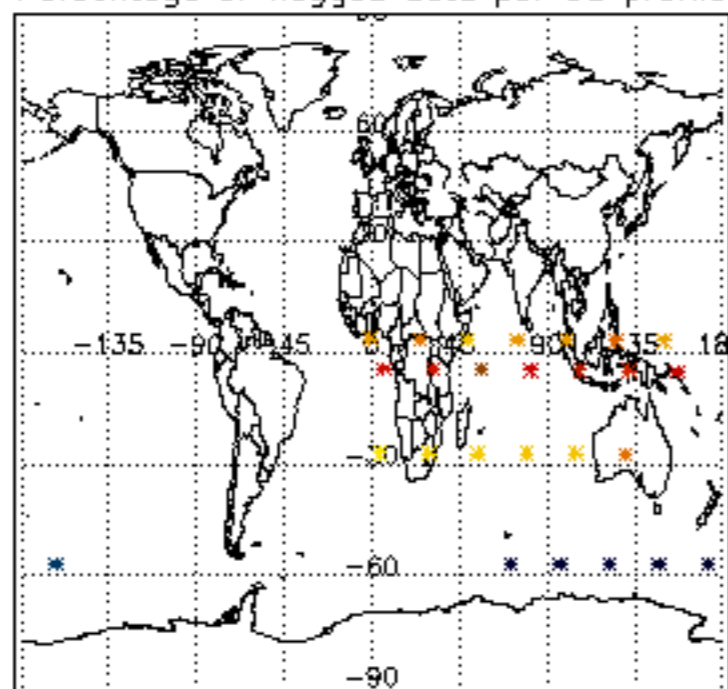




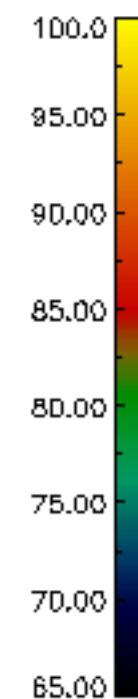
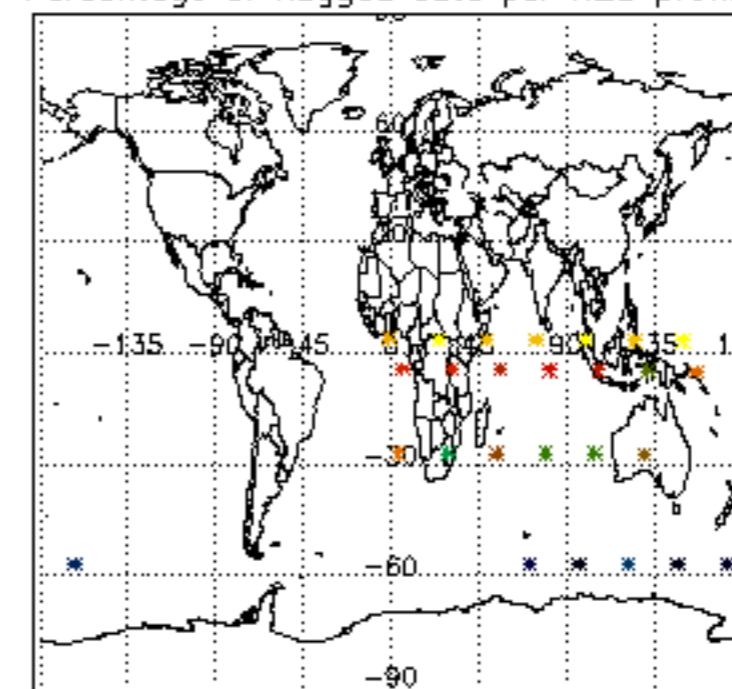




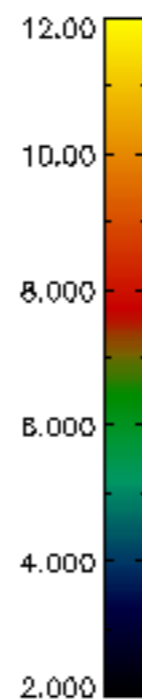
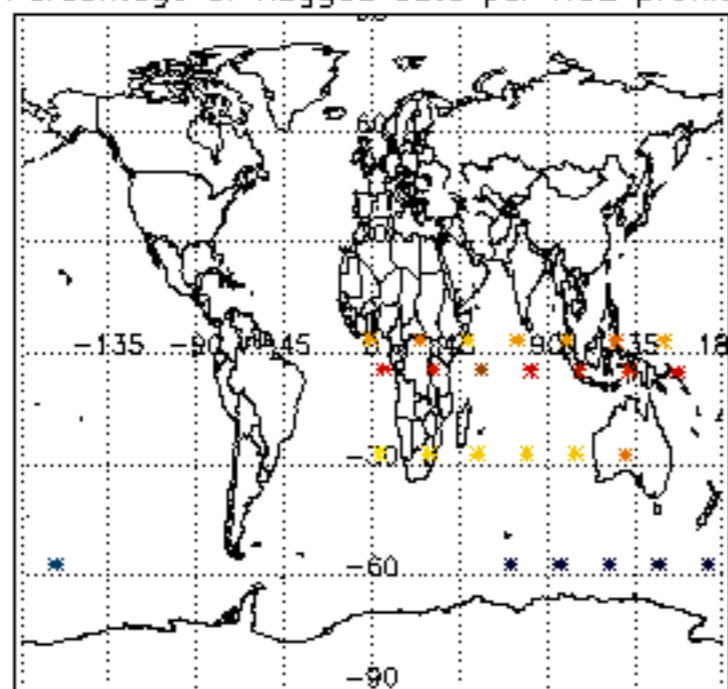
Percentage of flagged data per D3 profile



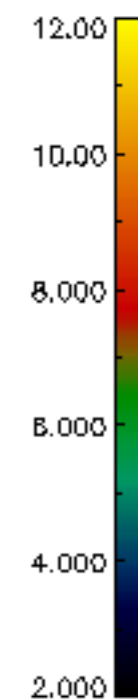
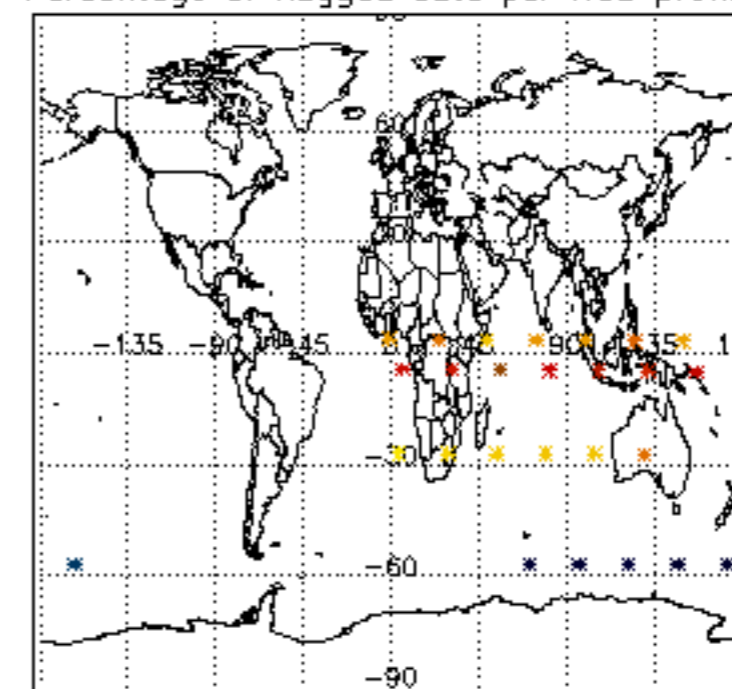
Percentage of flagged data per H2O profile

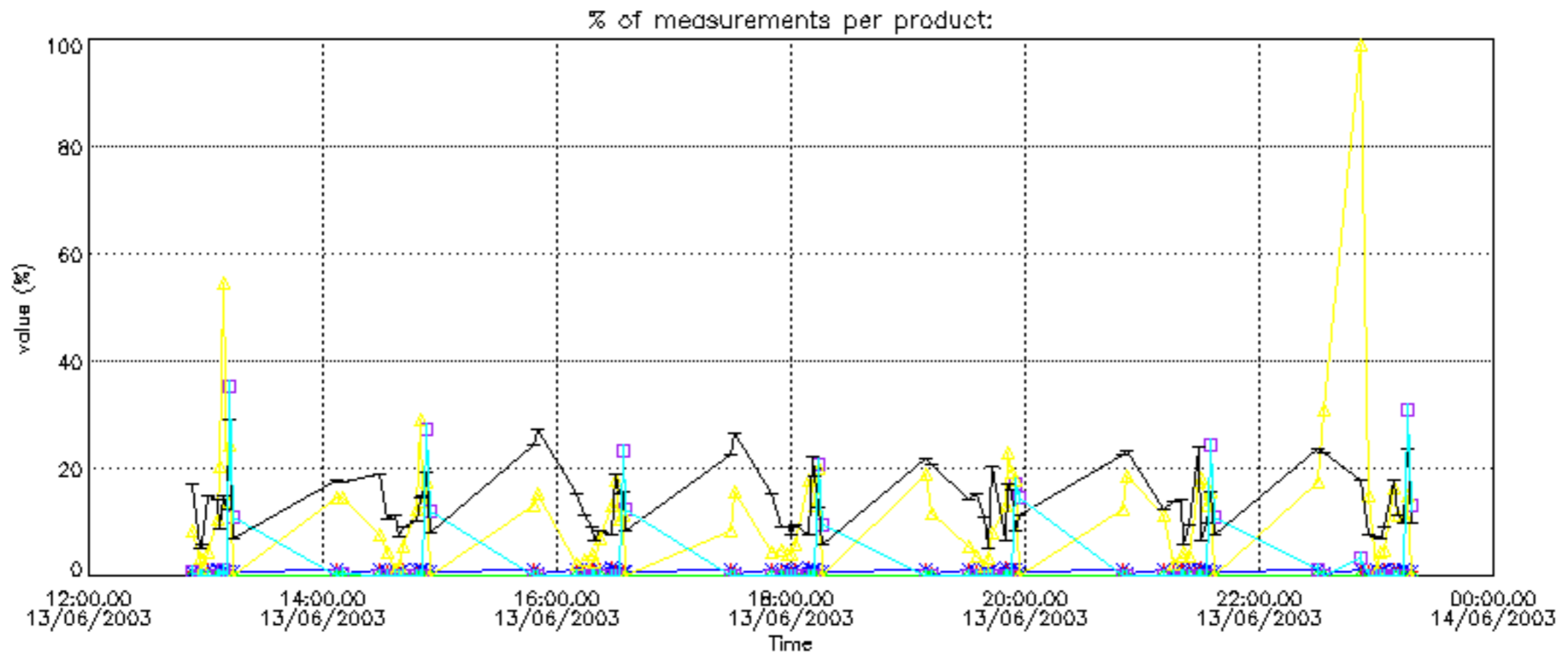
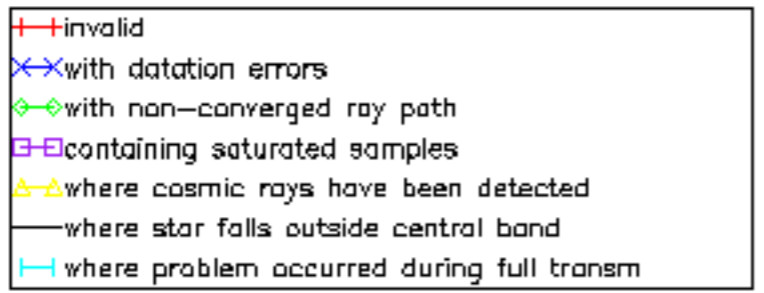


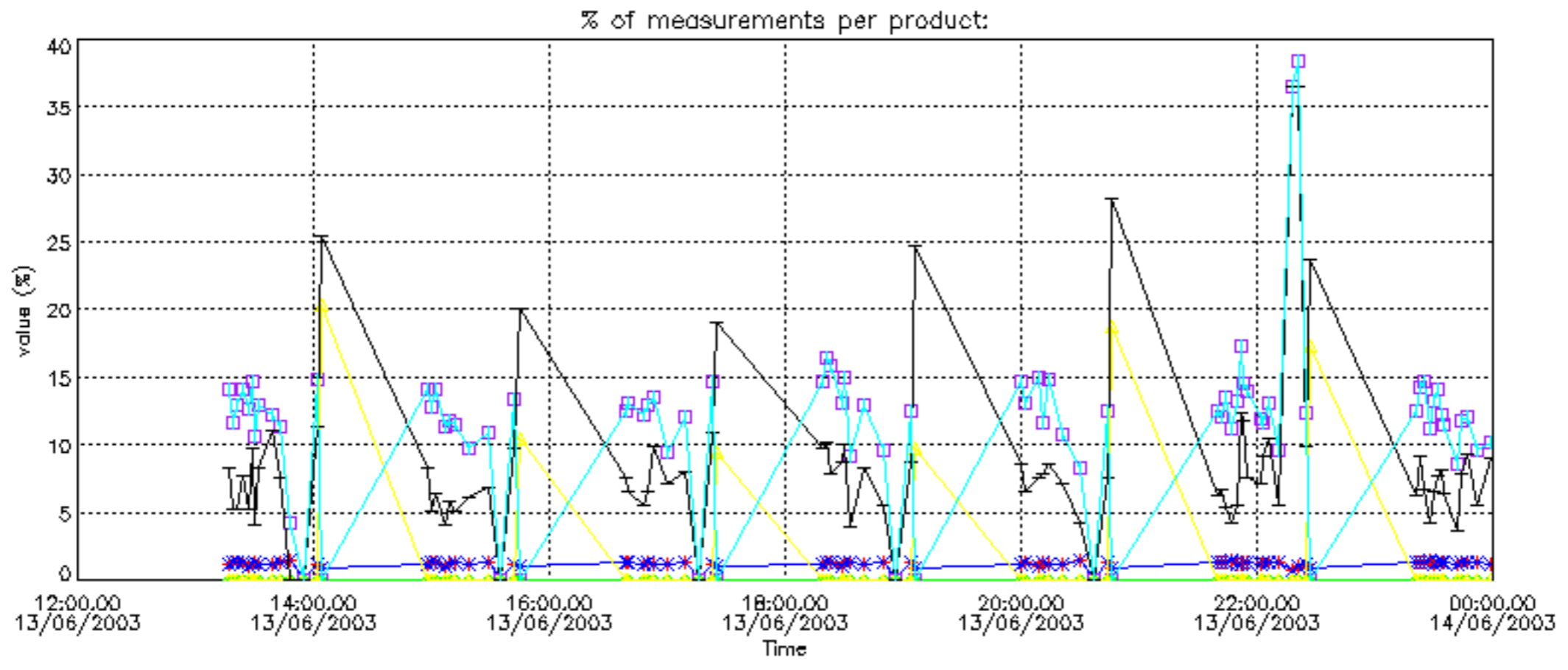
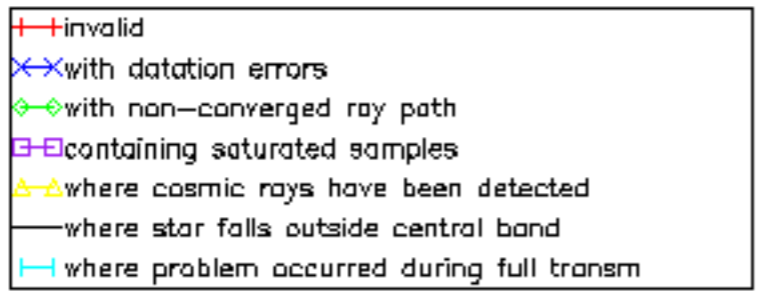
Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

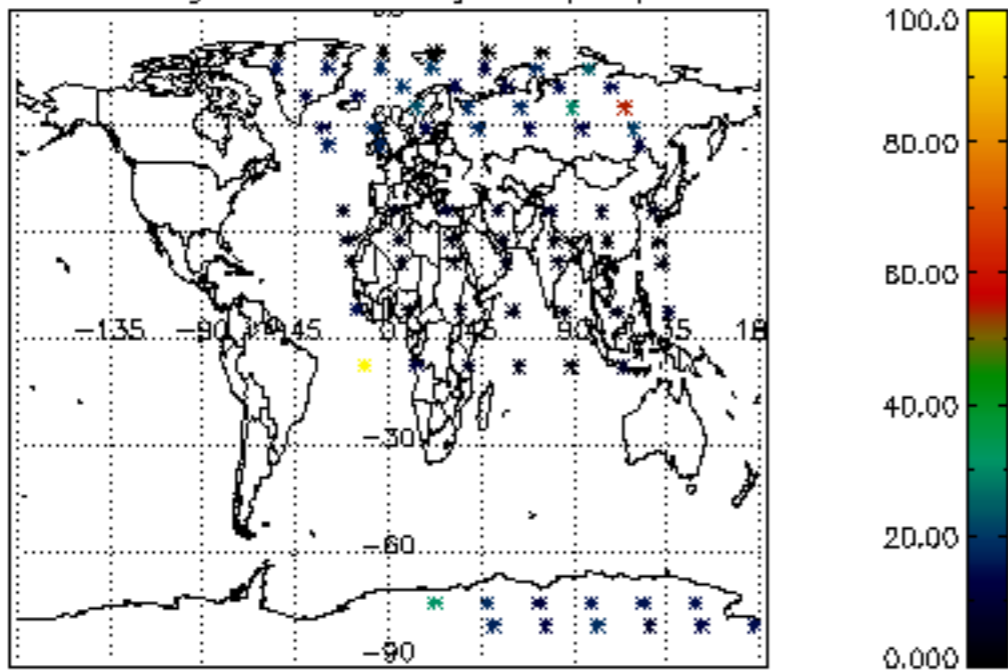




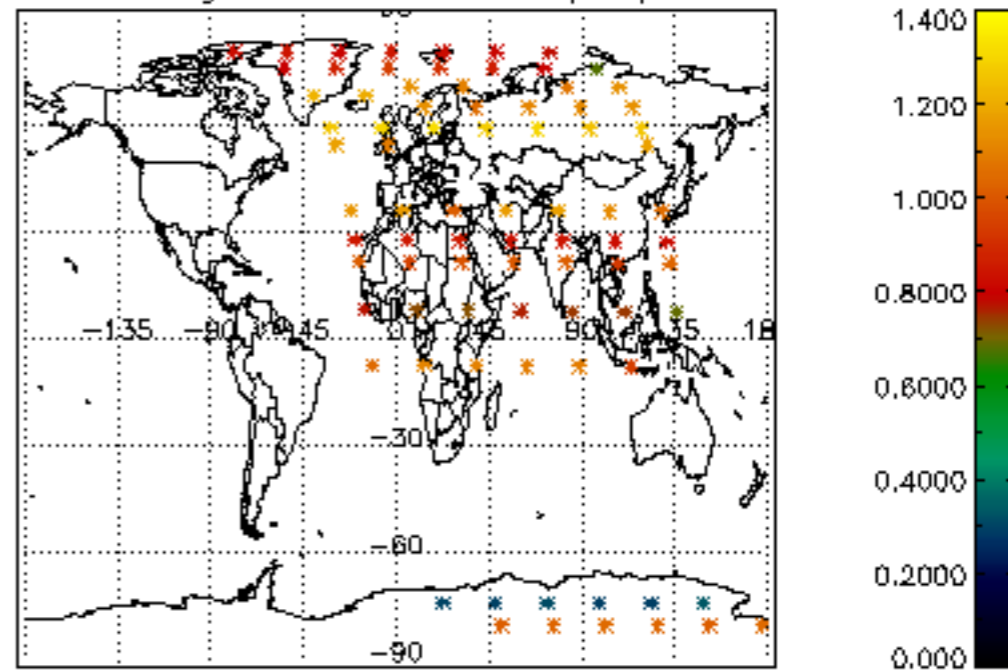




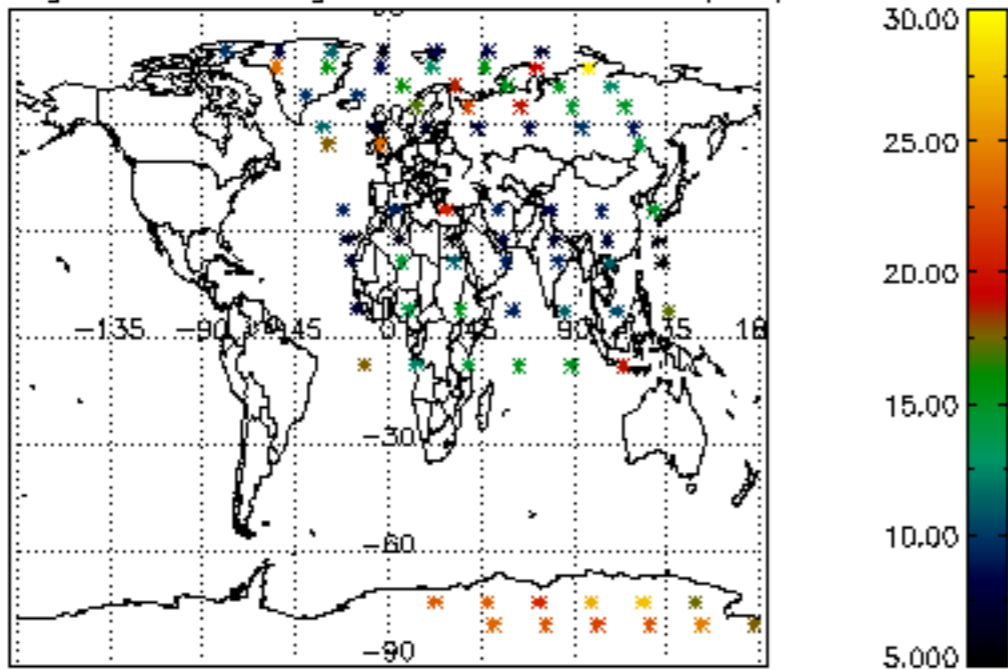
Percentage of cosmic ray hits per profile



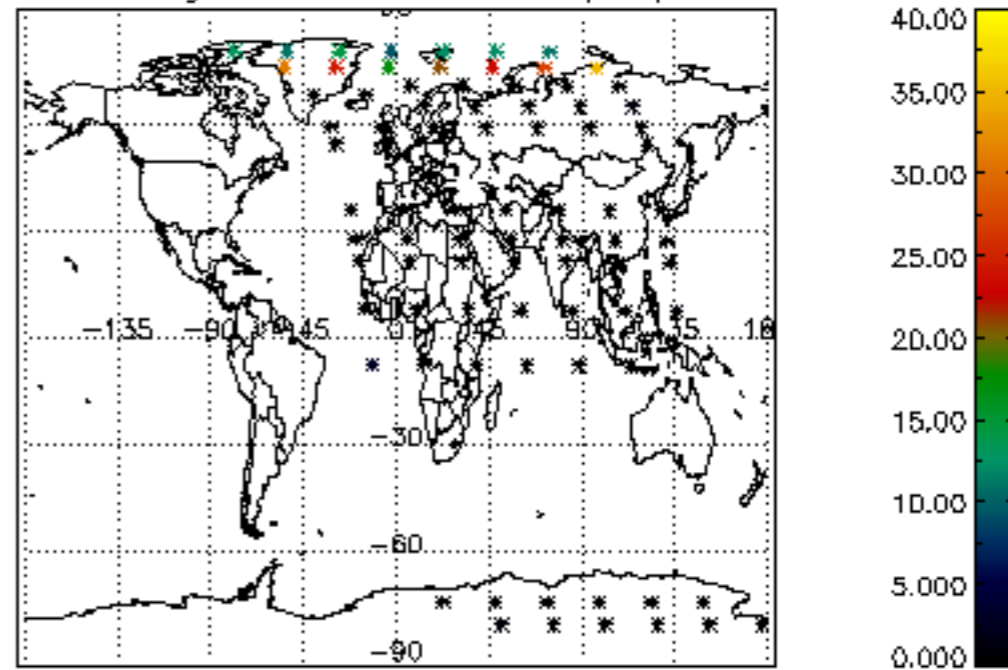
Percentage of datation errors per profile



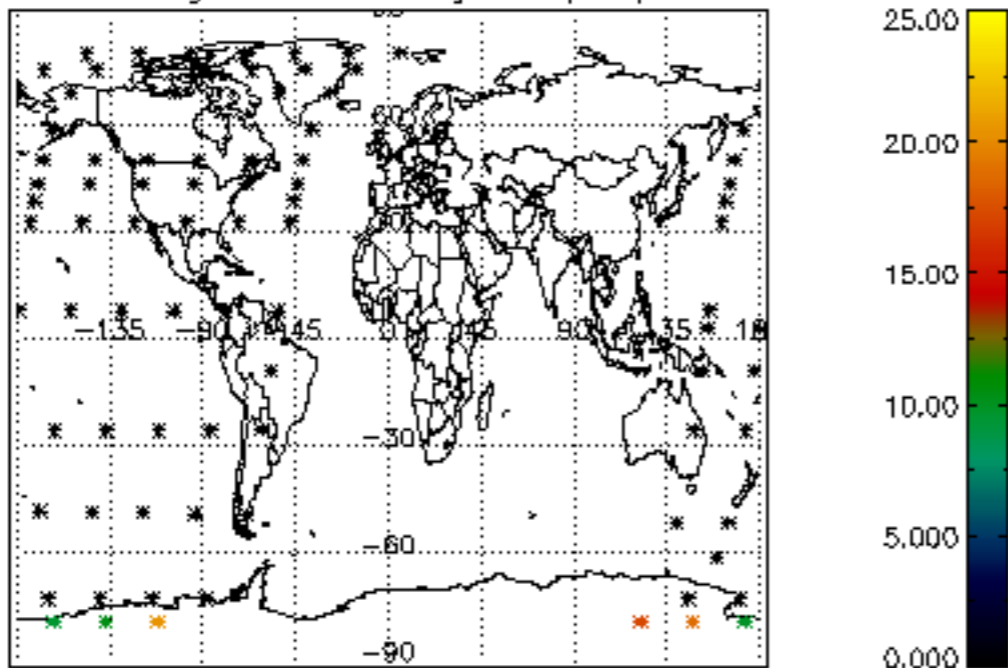
Percentage of star falling outside central band per profile



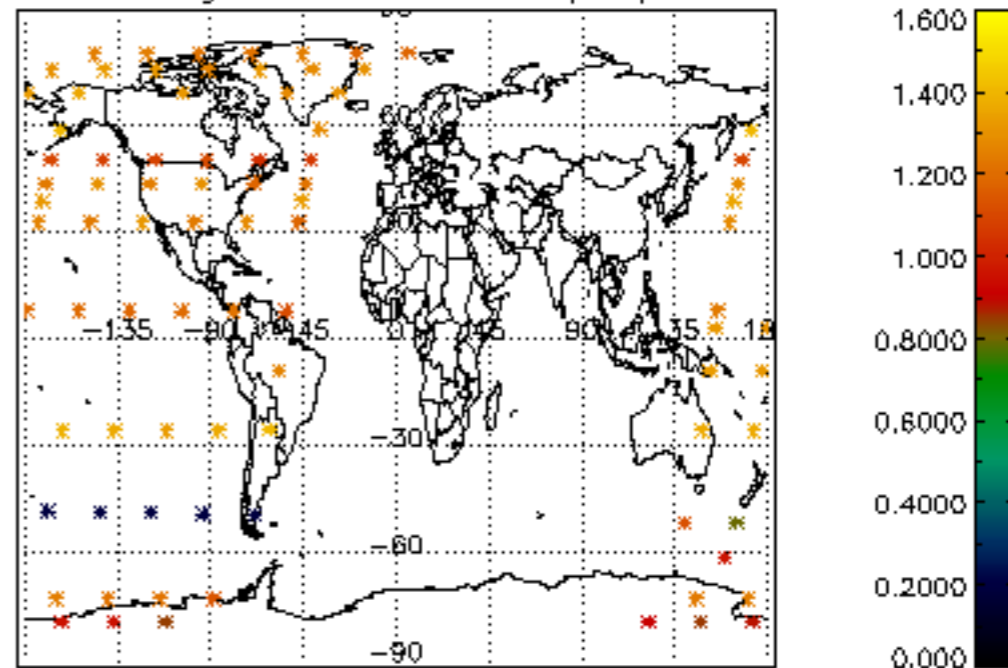
Percentage of saturation errors per profile



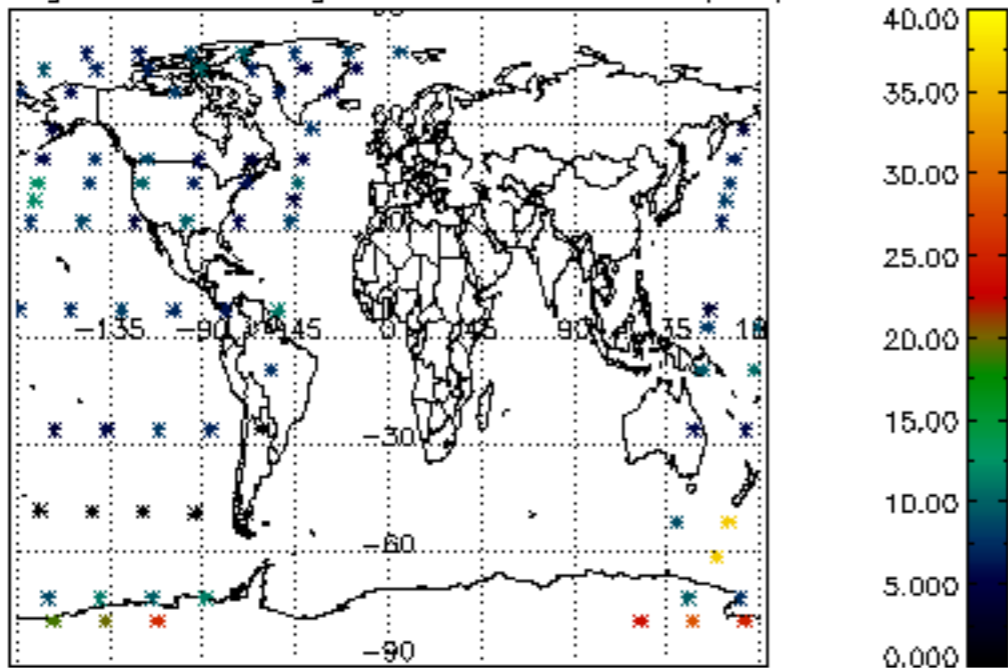
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

