

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 14:14:48
Data source version	GOMOS/6.01
Start time of products	01-05-2003 (01MAY2003 00:00:00)
Stop time of products	02-05-2003 (02MAY2003 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	105
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__2PRFIN20030501_000043_000000652016_00030_06096_6702.N1	01-MAY-2003 00:00:43	Dark	64.500	61	8Eps Peg	2.1000	3900.0	129	6096	No
2	GOM_NL__2PRFIN20030501_000309_000000552016_00030_06096_6703.N1	01-MAY-2003 00:03:09	Dark	55.000	162	34Alp Aqr	2.9440	5350.0	110	6096	No
3	GOM_NL__2PRFIN20030501_000650_000000612016_00030_06096_6704.N1	01-MAY-2003 00:06:50	Dark	60.500	154	22Bet Aqr	2.8990	5700.0	121	6096	No
4	GOM_NL__2PRFIN20030501_000915_000000442016_00030_06096_6705.N1	01-MAY-2003 00:09:15	Dark	44.000	18	24Alp PsA	1.1660	9700.0	88	6096	No
5	GOM_NL__2PRFIN20030501_001501_000000422016_00030_06096_6706.N1	01-MAY-2003 00:15:01	Dark	42.000	31	Alp Gru	1.7340	15200.	84	6096	No
6	GOM_NL__2PRFIN20030501_001739_000000412016_00031_06097_6683.N1	01-MAY-2003 00:17:39	Dark	41.000	148	Alp Tuc	2.8780	4100.0	82	6097	No
7	GOM_NL__2PRFIN20030501_002029_000000422016_00031_06097_6684.N1	01-MAY-2003 00:20:29	Dark	41.500	45	Alp Pav	1.9400	26000.	83	6097	No
8	GOM_NL__2PRFIN20030501_002707_000000502016_00031_06097_6685.N1	01-MAY-2003 00:27:07	Straylight	50.000	43	Alp TrA	1.9100	4250.0	100	6097	No
9	GOM_NL__2PRFIN20030501_002852_000000722016_00031_06097_6686.N1	01-MAY-2003 00:28:52	Straylight	71.500	38	20Eps Sgr	1.8360	11000.	143	6097	No
10	GOM_NL__2PRFIN20030501_003123_000000442016_00031_06097_6687.N1	01-MAY-2003 00:31:23	Straylight	43.500	4	Alp1Cen	-0.010000	5800.0	87	6097	No
11	GOM_NL__2PRFIN20030501_003448_000000652016_00031_06097_6688.N1	01-MAY-2003 00:34:48	Straylight	65.000	75	26Eps Sco	2.2910	4250.0	130	6097	No
12	GOM_NL__2PRFIN20030501_003826_000000432016_00031_06097_6689.N1	01-MAY-2003 00:38:26	Twilight	43.000	54	5The Cen	2.0550	4500.0	86	6097	No
13	GOM_NL__2PRFIN20030501_004050_000000602016_00031_06097_6690.N1	01-MAY-2003 00:40:50	Twilight	59.500	80	7Del Sco	2.3160	30000.	119	6097	No
14	GOM_NL__2PRFIN20030501_004402_000000462016_00031_06097_6691.N1	01-MAY-2003 00:44:02	Bright	46.000	122	9Alp2Lib	2.7470	9700.0	92	6097	No
15	GOM_NL__2PRFIN20030501_004620_000000492016_00031_06097_6692.N1	01-MAY-2003 00:46:20	Bright	49.000	104	27Bet Lib	2.6140	13100.	98	6097	No
16	GOM_NL__2PRFIN20030501_004908_000000372016_00031_06097_6693.N1	01-MAY-2003 00:49:08	Bright	36.500	121	29Gam Vir	2.7400	7200.0	73	6097	No
17	GOM_NL__2PRFIN20030501_005227_000000362016_00031_06097_6694.N1	01-MAY-2003 00:52:27	Bright	36.000	138	47Eps Vir	2.8280	4700.0	72	6097	No
18	GOM_NL__2PRFIN20030501_005446_000000392016_00031_06097_6695.N1	01-MAY-2003 00:54:46	Bright	38.500	111	8Eta Boo	2.6800	6000.0	77	6097	No
19	GOM_NL__2PRFIN20030501_005830_000000482016_00031_06097_6696.N1	01-MAY-2003 00:58:30	Bright	48.000	83		2.3780	11000.	96	6097	No
20	GOM_NL__2PRFIN20030501_010011_000000362016_00031_06097_6697.N1	01-MAY-2003 01:00:11	Bright	35.500	152	12Alp2CVn	2.8900	11000.	71	6097	No
21	GOM_NL__2PRFIN20030501_010344_000000392016_00031_06097_6698.N1	01-MAY-2003 01:03:44	Bright	38.500	39	85Eta UMa	1.8540	24000.	77	6097	No
22	GOM_NL__2PRFIN20030501_010503_000000372016_00031_06097_6699.N1	01-MAY-2003 01:05:03	Bright	36.500	55	79Zet UMa	2.0600	10200.	73	6097	No
23	GOM_NL__2PRFIN20030501_010726_000000342016_00031_06097_6700.N1	01-MAY-2003 01:07:26	Bright	34.000	36	50Alp UMa	1.8000	6300.0	68	6097	No
24	GOM_NL__2PRFIN20030501_011112_000000402016_00031_06097_6701.N1	01-MAY-2003 01:11:12	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	6097	No
25	GOM_NL__2PRFIN20030501_011457_000000362016_00031_06097_6702.N1	01-MAY-2003 01:14:57	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	6097	No
26	GOM_NL__2PRFIN20030501_012122_000000442016_00031_06097_6703.N1	01-MAY-2003 01:21:22	Bright	43.500	89	5Alp Cep	2.4510	8000.0	87	6097	No
27	GOM_NL__2PRFIN20030501_012256_000000452016_00031_06097_6704.N1	01-MAY-2003 01:22:56	Bright	44.500	76	27Gam Cas	2.3000	30000.	89	6097	No
28	GOM_NL__2PRFIN20030501_012412_000000382016_00031_06097_6705.N1	01-MAY-2003 01:24:12	Bright	37.500	68	18Alp Cas	2.2250	4500.0	75	6097	No
29	GOM_NL__2PRFIN20030501_012633_000000612016_00031_06097_6706.N1	01-MAY-2003 01:26:33	Bright	60.500	19	50Alp Cyg	1.2460	10500.	121	6097	No
30	GOM_NL__2PRFIN20030501_013203_000000842016_00031_06097_6707.N1	01-MAY-2003 01:32:03	Twilight	84.000	92	53Eps Cyg	2.5000	4500.0	168	6097	No
31	GOM_NL__2PRFIN20030501_013704_000000442016_00031_06097_6708.N1	01-MAY-2003 01:37:04	Twilight	44.000	90	54Alp Peg	2.4870	11000.	88	6097	No
32	GOM_NL__2PRFIN20030501_014119_000000662016_00031_06097_6709.N1	01-MAY-2003 01:41:19	Dark	66.000	61	8Eps Peg	2.1000	3900.0	132	6097	No
33	GOM_NL__2PRFIN20030501_014346_000000512016_00031_06097_6710.N1	01-MAY-2003 01:43:46	Dark	50.500	162	34Alp Aqr	2.9440	5350.0	101	6097	No
34	GOM_NL__2PRFIN20030501_014727_000000652016_00031_06097_6711.N1	01-MAY-2003 01:47:27	Dark	64.500	154	22Bet Aqr	2.8990	5700.0	129	6097	No
35	GOM_NL__2PRFIN20030501_014952_000000442016_00031_06097_6712.N1	01-MAY-2003 01:49:52	Dark	43.500	18	24Alp PsA	1.1660	9700.0	87	6097	No
36	GOM_NL__2PRFIN20030501_015405_000000412016_00031_06097_6713.N1	01-MAY-2003 01:54:05	Dark	41.000	172	Gam Gru	3.0030	13100.	82	6097	No
37	GOM_NL__2PRFIN20030501_015537_000000412016_00031_06097_6714.N1	01-MAY-2003 01:55:37	Dark	40.500	31	Alp Gru	1.7340	15200.	81	6097	No
38	GOM_NL__2PRFIN20030501_015815_000000382016_00032_06098_6697.N1	01-MAY-2003 01:58:15	Dark	38.000	148	Alp Tuc	2.8780	4100.0	76	6098	No
39	GOM_NL__2PRFIN20030501_020106_000000412016_00032_06098_6698.N1	01-MAY-2003 02:01:06	Dark	41.000	45	Alp Pav	1.9400	26000.	82	6098	No
40	GOM_NL__2PRFIN20030501_020743_000000392016_00032_06098_6699.N1	01-MAY-2003 02:07:43	Straylight	39.000	43	Alp TrA	1.9100	4250.0	78	6098	No
41	GOM_NL__2PRFIN20030501_020929_000000722016_00032_06098_6700.N1	01-MAY-2003 02:09:29	Straylight	72.000	38	20Eps Sgr	1.8360	11000.	144	6098	No
42	GOM_NL__2PRFIN20030501_021159_000000422016_00032_06098_6701.N1	01-MAY-2003 02:11:59	Straylight	42.000	4	Alp1Cen	-0.010000	5800.0	84	6098	No

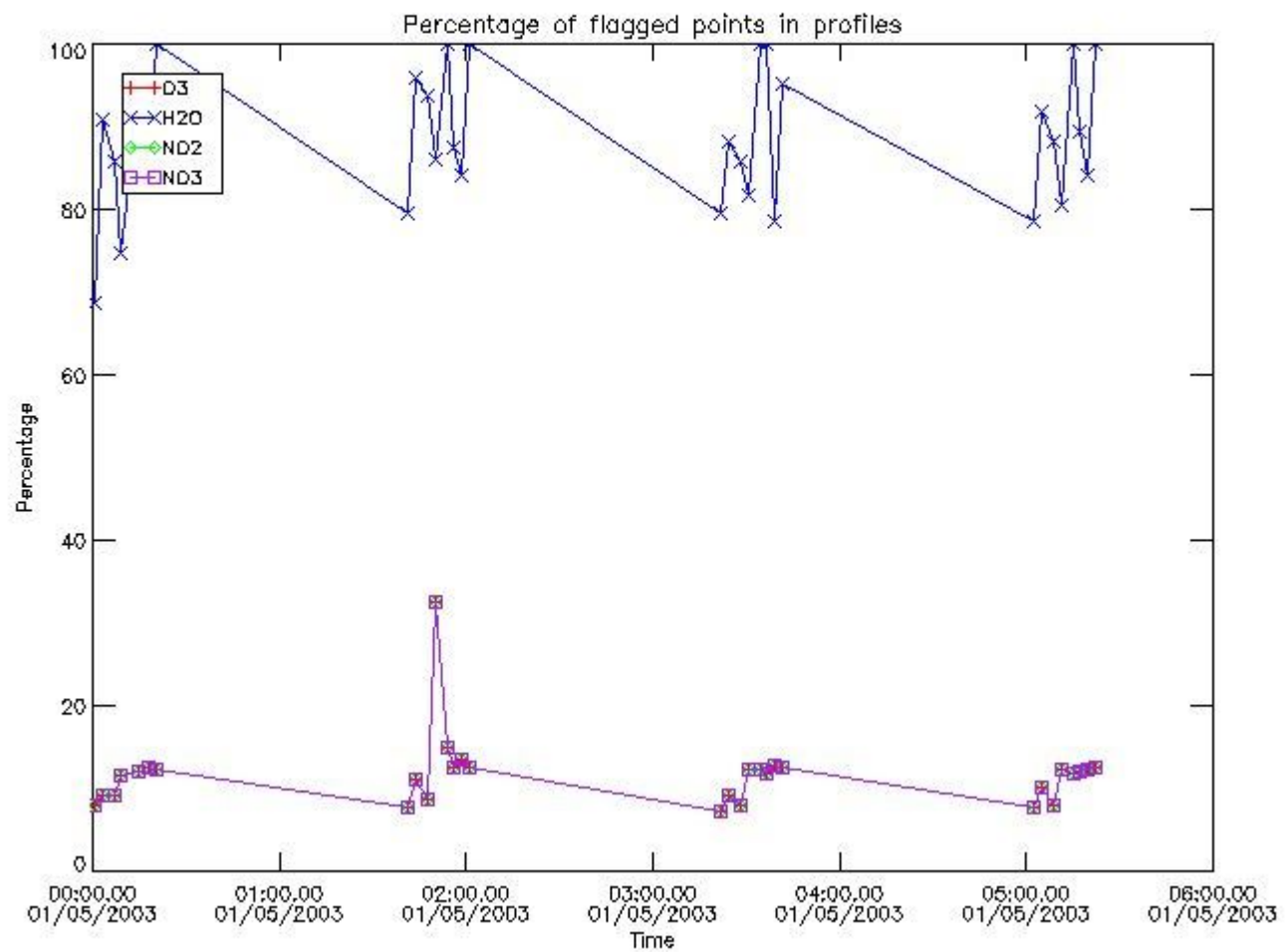
43	GOM_NL__2PRFIN20030501_021524_000000622016_00032_06098_6702.N1	01-MAY-2003 02:15:24	Straylight	61.500	75	26Eps Sco	2.2910	4250.0	123	6098	No
44	GOM_NL__2PRFIN20030501_021902_000000452016_00032_06098_6703.N1	01-MAY-2003 02:19:02	Twi_and_stray	44.500	54	5The Cen	2.0550	4500.0	89	6098	No
45	GOM_NL__2PRFIN20030501_022126_000000642016_00032_06098_6704.N1	01-MAY-2003 02:21:26	Twi_and_stray	64.000	80	7Del Sco	2.3160	30000.	128	6098	No
46	GOM_NL__2PRFIN20030501_022438_000000452016_00032_06098_6705.N1	01-MAY-2003 02:24:38	Bright	44.500	122	9Alp2Lib	2.7470	9700.0	89	6098	No
47	GOM_NL__2PRFIN20030501_022656_000000502016_00032_06098_6706.N1	01-MAY-2003 02:26:56	Bright	50.000	104	27Bet Lib	2.6140	13100.	100	6098	No
48	GOM_NL__2PRFIN20030501_022944_000000372016_00032_06098_6707.N1	01-MAY-2003 02:29:44	Bright	36.500	121	29Gam Vir	2.7400	7200.0	73	6098	No
49	GOM_NL__2PRFIN20030501_023303_000000372016_00032_06098_6708.N1	01-MAY-2003 02:33:03	Bright	36.500	138	47Eps Vir	2.8280	4700.0	73	6098	No
50	GOM_NL__2PRFIN20030501_023522_000000402016_00032_06098_6709.N1	01-MAY-2003 02:35:22	Bright	40.000	111	8Eta Boo	2.6800	6000.0	80	6098	No
51	GOM_NL__2PRFIN20030501_023906_000000462016_00032_06098_6710.N1	01-MAY-2003 02:39:06	Bright	46.000	83		2.3780	11000.	92	6098	No
52	GOM_NL__2PRFIN20030501_024047_000000362016_00032_06098_6711.N1	01-MAY-2003 02:40:47	Bright	35.500	152	12Alp2CVn	2.8900	11000.	71	6098	No
53	GOM_NL__2PRFIN20030501_024419_000000522016_00032_06098_6712.N1	01-MAY-2003 02:44:19	Bright	52.000	39	85Eta UMa	1.8540	24000.	104	6098	No
54	GOM_NL__2PRFIN20030501_024539_000000372016_00032_06098_6713.N1	01-MAY-2003 02:45:39	Bright	37.000	55	79Zet UMa	2.0600	10200.	74	6098	No
55	GOM_NL__2PRFIN20030501_024803_000000372016_00032_06098_6714.N1	01-MAY-2003 02:48:03	Bright	36.500	36	50Alp UMa	1.8000	6300.0	73	6098	No
56	GOM_NL__2PRFIN20030501_025148_000000362016_00032_06098_6715.N1	01-MAY-2003 02:51:48	Bright	36.000	60	7Bet UMi	2.0810	3950.0	72	6098	No
57	GOM_NL__2PRFIN20030501_025533_000000352016_00032_06098_6716.N1	01-MAY-2003 02:55:33	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	6098	No
58	GOM_NL__2PRFIN20030501_030158_000000432016_00032_06098_6717.N1	01-MAY-2003 03:01:58	Bright	43.000	89	5Alp Cep	2.4510	8000.0	86	6098	No
59	GOM_NL__2PRFIN20030501_030332_000000352016_00032_06098_6718.N1	01-MAY-2003 03:03:32	Bright	34.500	76	27Gam Cas	2.3000	30000.	69	6098	No
60	GOM_NL__2PRFIN20030501_030448_000000342016_00032_06098_6719.N1	01-MAY-2003 03:04:48	Bright	33.500	68	18Alp Cas	2.2250	4500.0	67	6098	No
61	GOM_NL__2PRFIN20030501_030709_000000652016_00032_06098_6720.N1	01-MAY-2003 03:07:09	Bright	64.500	19	50Alp Cyg	1.2460	10500.	129	6098	No
62	GOM_NL__2PRFIN20030501_031239_000000802016_00032_06098_6721.N1	01-MAY-2003 03:12:39	Twi_and_stray	80.000	92	53Eps Cyg	2.5000	4500.0	160	6098	No
63	GOM_NL__2PRFIN20030501_031741_000000462016_00032_06098_6722.N1	01-MAY-2003 03:17:41	Twilight	45.500	90	54Alp Peg	2.4870	11000.	91	6098	No
64	GOM_NL__2PRFIN20030501_032156_000000712016_00032_06098_6723.N1	01-MAY-2003 03:21:56	Dark	71.000	61	8Eps Peg	2.1000	3900.0	142	6098	No
65	GOM_NL__2PRFIN20030501_032423_000000562016_00032_06098_6724.N1	01-MAY-2003 03:24:23	Dark	55.500	162	34Alp Aqr	2.9440	5350.0	111	6098	No
66	GOM_NL__2PRFIN20030501_032804_000000642016_00032_06098_6725.N1	01-MAY-2003 03:28:04	Dark	63.500	154	22Bet Aqr	2.8990	5700.0	127	6098	No
67	GOM_NL__2PRFIN20030501_033028_000000422016_00032_06098_6726.N1	01-MAY-2003 03:30:28	Dark	41.500	18	24Alp PsA	1.1660	9700.0	83	6098	No
68	GOM_NL__2PRFIN20030501_033442_000000422016_00032_06098_6727.N1	01-MAY-2003 03:34:42	Dark	41.500	172	Gam Gru	3.0030	13100.	83	6098	No
69	GOM_NL__2PRFIN20030501_033614_000000432016_00032_06098_6728.N1	01-MAY-2003 03:36:14	Dark	43.000	31	Alp Gru	1.7340	15200.	86	6098	No
70	GOM_NL__2PRFIN20030501_033852_000000402016_00033_06099_6686.N1	01-MAY-2003 03:38:52	Dark	40.000	148	Alp Tuc	2.8780	4100.0	80	6099	No
71	GOM_NL__2PRFIN20030501_034142_000000412016_00033_06099_6687.N1	01-MAY-2003 03:41:42	Dark	41.000	45	Alp Pav	1.9400	26000.	82	6099	No
72	GOM_NL__2PRFIN20030501_034820_000000402016_00033_06099_6688.N1	01-MAY-2003 03:48:20	Straylight	39.500	43	Alp TrA	1.9100	4250.0	79	6099	No
73	GOM_NL__2PRFIN20030501_035007_000000672016_00033_06099_6689.N1	01-MAY-2003 03:50:07	Straylight	67.000	38	20Eps Sgr	1.8360	11000.	134	6099	No
74	GOM_NL__2PRFIN20030501_035235_000000492016_00033_06099_6690.N1	01-MAY-2003 03:52:35	Straylight	49.000	4	Alp1Cen	-0.010000	5800.0	98	6099	No
75	GOM_NL__2PRFIN20030501_035601_000000612016_00033_06099_6691.N1	01-MAY-2003 03:56:01	Straylight	60.500	75	26Eps Sco	2.2910	4250.0	121	6099	No
76	GOM_NL__2PRFIN20030501_035939_000000472016_00033_06099_6692.N1	01-MAY-2003 03:59:39	Twi_and_stray	47.000	54	5The Cen	2.0550	4500.0	94	6099	No
77	GOM_NL__2PRFIN20030501_040203_000000612016_00033_06099_6693.N1	01-MAY-2003 04:02:03	Twi_and_stray	60.500	80	7Del Sco	2.3160	30000.	121	6099	No
78	GOM_NL__2PRFIN20030501_040514_000000462016_00033_06099_6694.N1	01-MAY-2003 04:05:14	Bright	46.000	122	9Alp2Lib	2.7470	9700.0	92	6099	No
79	GOM_NL__2PRFIN20030501_040732_000000492016_00033_06099_6695.N1	01-MAY-2003 04:07:32	Bright	48.500	104	27Bet Lib	2.6140	13100.	97	6099	No
80	GOM_NL__2PRFIN20030501_041020_000000362016_00033_06099_6696.N1	01-MAY-2003 04:10:20	Bright	36.000	121	29Gam Vir	2.7400	7200.0	72	6099	No
81	GOM_NL__2PRFIN20030501_041339_000000362016_00033_06099_6697.N1	01-MAY-2003 04:13:39	Bright	35.500	138	47Eps Vir	2.8280	4700.0	71	6099	No
82	GOM_NL__2PRFIN20030501_041558_000000392016_00033_06099_6698.N1	01-MAY-2003 04:15:58	Bright	38.500	111	8Eta Boo	2.6800	6000.0	77	6099	No
83	GOM_NL__2PRFIN20030501_041941_000000472016_00033_06099_6699.N1	01-MAY-2003 04:19:41	Bright	47.000	83		2.3780	11000.	94	6099	No
84	GOM_NL__2PRFIN20030501_042123_000000372016_00033_06099_6700.N1	01-MAY-2003 04:21:23	Bright	36.500	152	12Alp2CVn	2.8900	11000.	73	6099	No
85	GOM_NL__2PRFIN20030501_042455_000000372016_00033_06099_6701.N1	01-MAY-2003 04:24:55	Bright	37.000	39	85Eta UMa	1.8540	24000.	74	6099	No
86	GOM_NL__2PRFIN20030501_042615_000000382016_00033_06099_6702.N1	01-MAY-2003 04:26:15	Bright	38.000	55	79Zet UMa	2.0600	10200.	76	6099	No
87	GOM_NL__2PRFIN20030501_042839_000000382016_00033_06099_6703.N1	01-MAY-2003 04:28:39	Bright	37.500	36	50Alp UMa	1.8000	6300.0	75	6099	No
88	GOM_NL__2PRFIN20030501_043224_000000382016_00033_06099_6704.N1	01-MAY-2003 04:32:24	Bright	38.000	60	7Bet UMi	2.0810	3950.0	76	6099	No
89	GOM_NL__2PRFIN20030501_043609_000000372016_00033_06099_6705.N1	01-MAY-2003 04:36:09	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	6099	No
90	GOM_NL__2PRFIN20030501_044233_000000432016_00033_06099_6706.N1	01-MAY-2003 04:42:33	Bright	43.000	89	5Alp Cep	2.4510	8000.0	86	6099	No
91	GOM_NL__2PRFIN20030501_044408_000000362016_00033_06099_6707.N1	01-MAY-2003 04:44:08	Bright	35.500	76	27Gam Cas	2.3000	30000.	71	6099	No
92	GOM_NL__2PRFIN20030501_044524_000000372016_00033_06099_6708.N1	01-MAY-2003 04:45:24	Bright	36.500	68	18Alp Cas	2.2250	4500.0	73	6099	No
93	GOM_NL__2PRFIN20030501_044744_000000622016_00033_06099_6709.N1	01-MAY-2003 04:47:44	Bright	61.500	19	50Alp Cyg	1.2460	10500.	123	6099	No
94	GOM_NL__2PRFIN20030501_045315_000000822016_00033_06099_6710.N1	01-MAY-2003 04:53:15	Twi_and_stray	81.500	92	53Eps Cyg	2.5000	4500.0	163	6099	No
95	GOM_NL__2PRFIN20030501_045817_000000462016_00033_06099_6711.N1	01-MAY-2003 04:58:17	Twilight	45.500	90	54Alp Peg	2.4870	11000.	91	6099	No
96	GOM_NL__2PRFIN20030501_050233_000000662016_00033_06099_6712.N1	01-MAY-2003 05:02:33	Dark	66.000	61	8Eps Peg	2.1000	3900.0	132	6099	No
97	GOM_NL__2PRFIN20030501_050459_000000552016_00033_06099_6713.N1	01-MAY-2003 05:04:59	Dark	55.000	162	34Alp Aqr	2.9440	5350.0	110	6099	No
98	GOM_NL__2PRFIN20030501_050841_000000652016_00033_06099_6714.N1	01-MAY-2003 05:08:41	Dark	64.500	154	22Bet Aqr	2.8990	5700.0	129	6099	No
99	GOM_NL__2PRFIN20030501_051105_000000422016_00033_06099_6715.N1	01-MAY-2003 05:11:05	Dark	41.500	18	24Alp PsA	1.1660	9700.0	83	6099	No
100	GOM_NL__2PRFIN20030501_051519_000000432016_00033_06099_6716.N1	01-MAY-2003 05:15:19	Dark	43.000	172	Gam Gru	3.0030	13100.	86	6099	No
101	GOM_NL__2PRFIN20030501_051650_000000432016_00033_06099_6717.N1	01-MAY-2003 05:16:50	Dark	42.500	31	Alp Gru	1.7340	15200.	85	6099	No

102	GOM_NL__2PRFIN20030501_051928_000000422016_00034_06100_6687.N1	01-MAY-2003 05:19:28	Dark	41.500	148	Alp Tuc	2.8780	4100.0	83	6100	No
103	GOM_NL__2PRFIN20030501_052219_000000412016_00034_06100_6688.N1	01-MAY-2003 05:22:19	Dark	40.500	45	Alp Pav	1.9400	26000.	81	6100	No
104	GOM_NL__2PRFIN20030501_053001_000000952016_00034_06100_6689.N1	01-MAY-2003 05:30:01	Straylight	94.500	57	34Sig Sgr	2.0660	26000.	189	6100	No
105	GOM_NL__2PRFIN20030501_053329_000000642016_00034_06100_6690.N1	01-MAY-2003 05:33:29	Straylight	63.500	25	35Lam Sco	1.6200	28000.	127	6100	No

3. Quality information per product

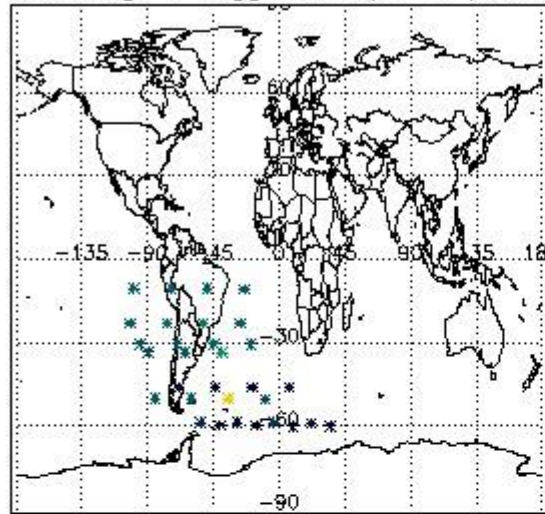
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

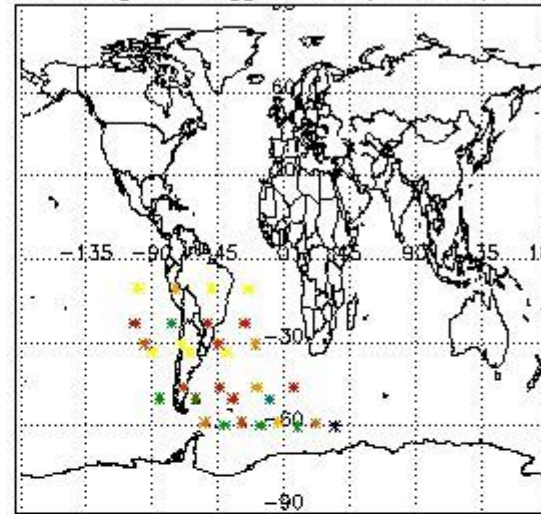


3.2 Plot quality information per product (world map)

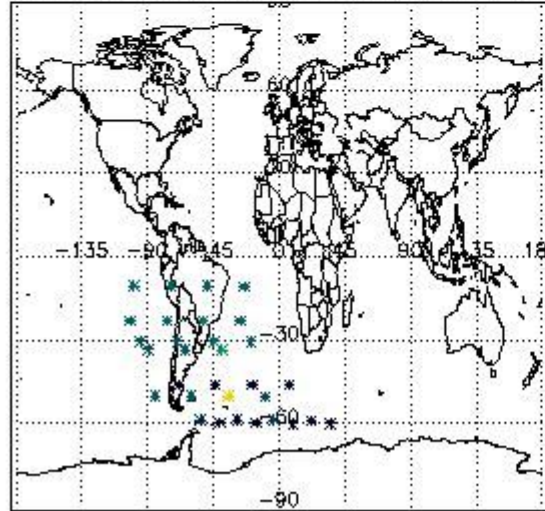
Percentage of flagged data per O3 profile



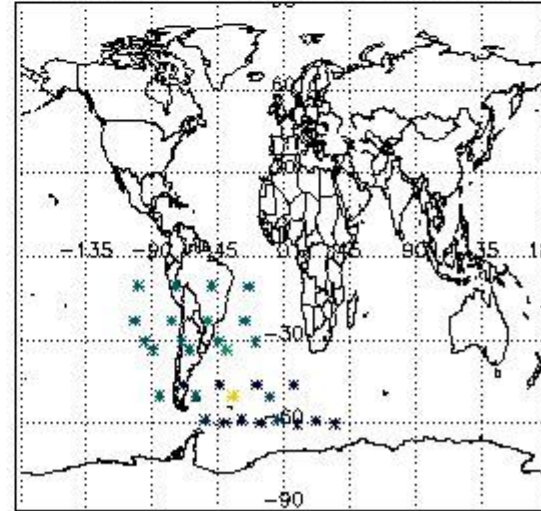
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

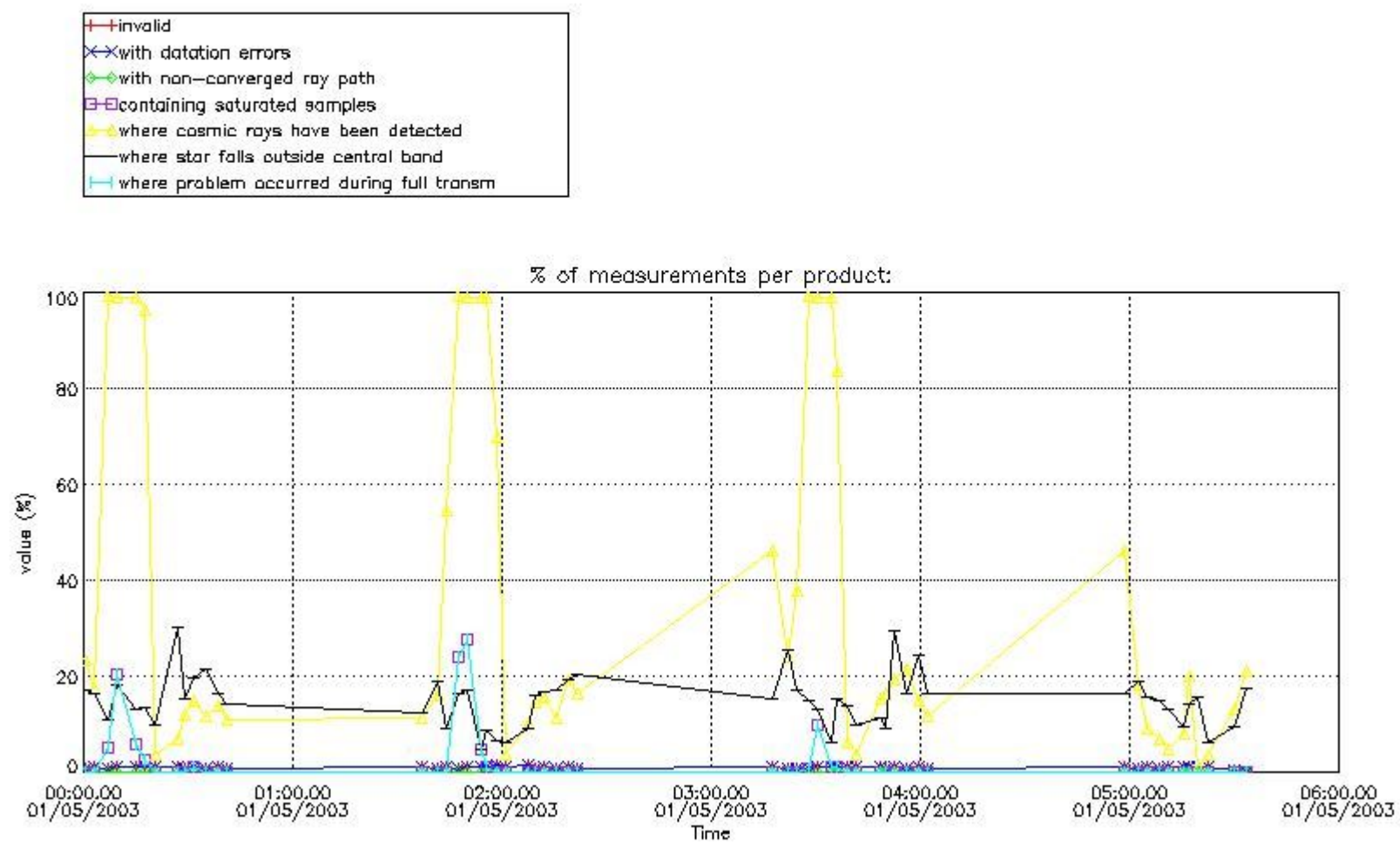


4. Level 1 quality information per product

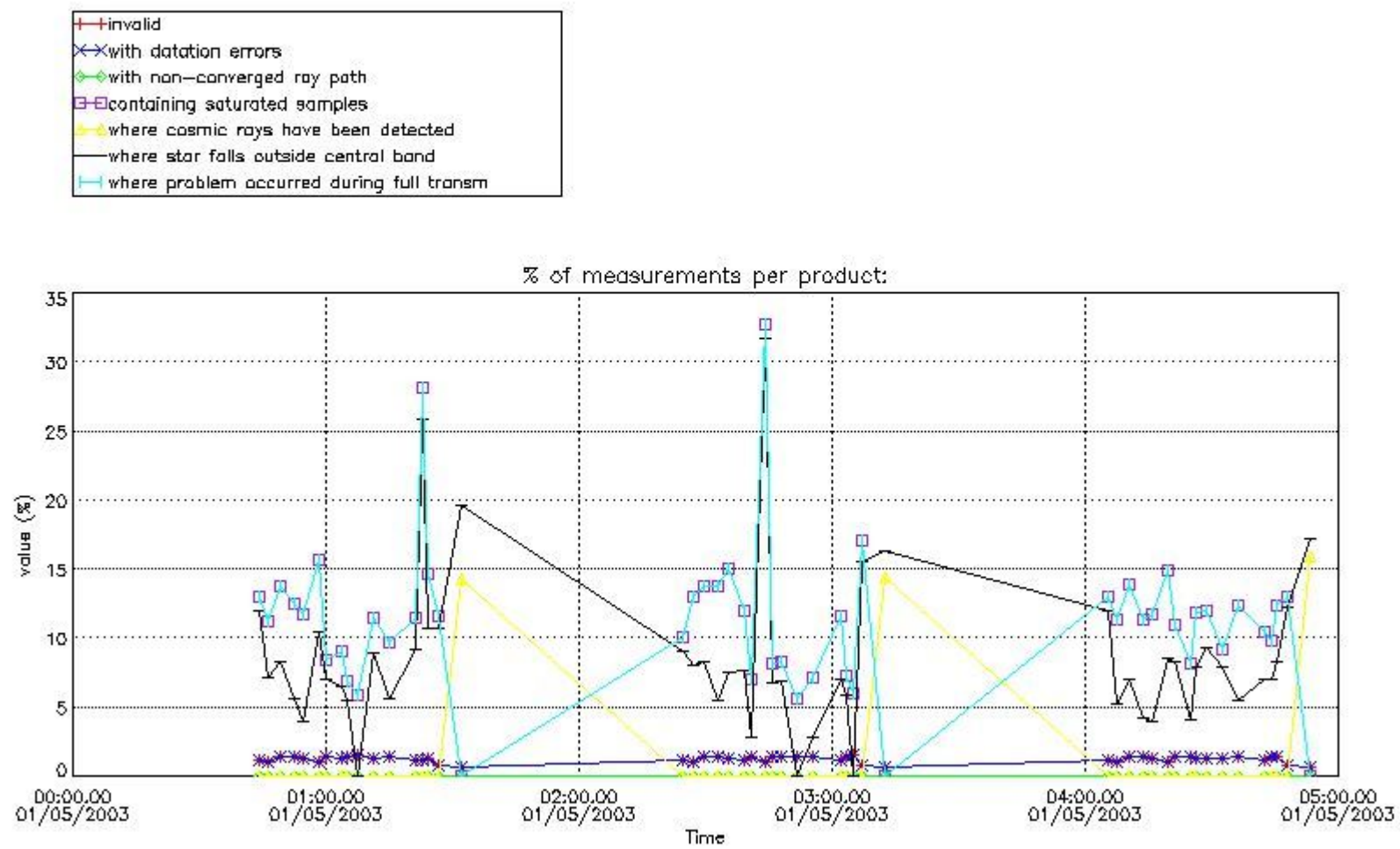
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



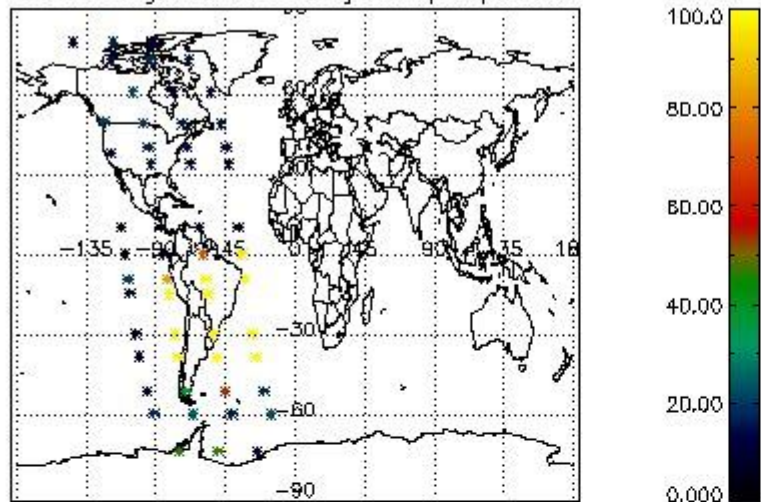
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



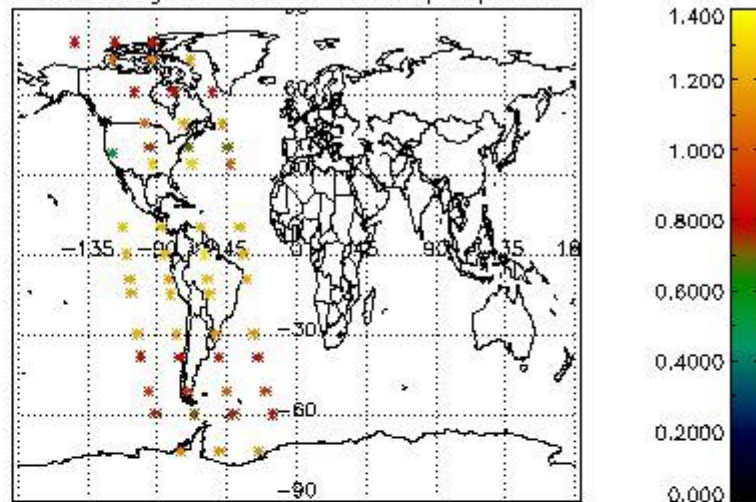
4.2 Plot quality information per product coming from level 1b processing (world map)

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

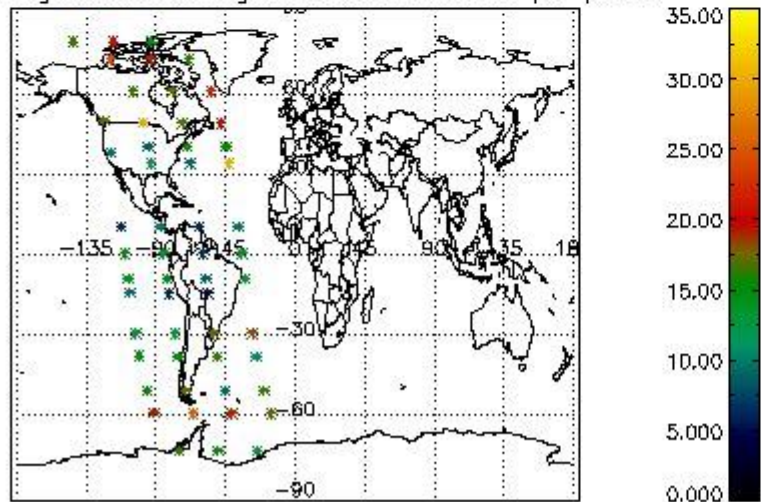
Percentage of cosmic ray hits per profile



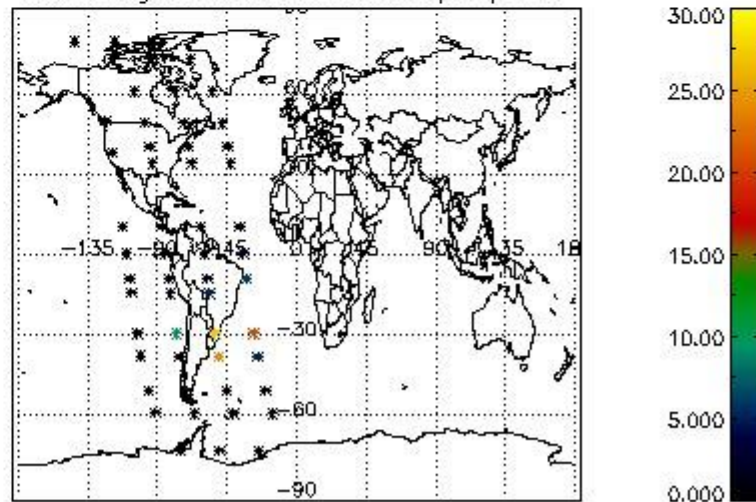
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

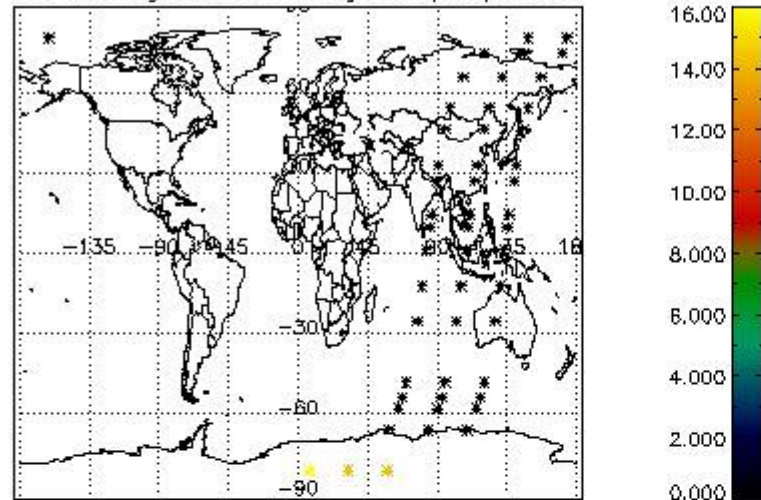


Percentage of saturation errors per profile

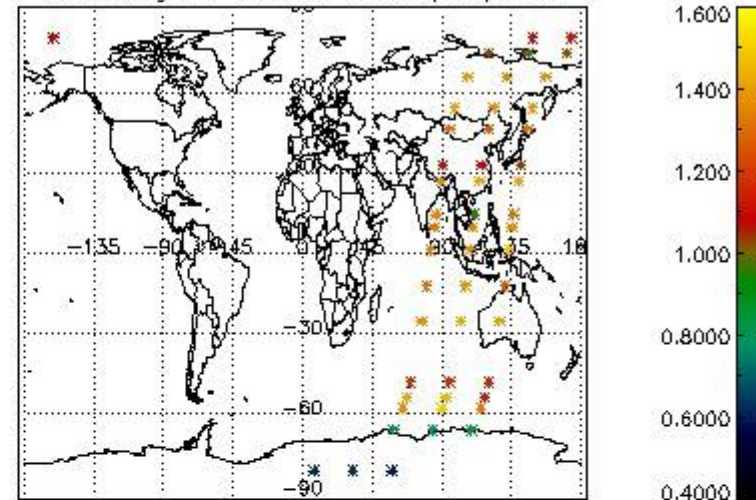


4.2.2 Plot level 1 quality information per product (world map): ENVISAT DESCENDING passes

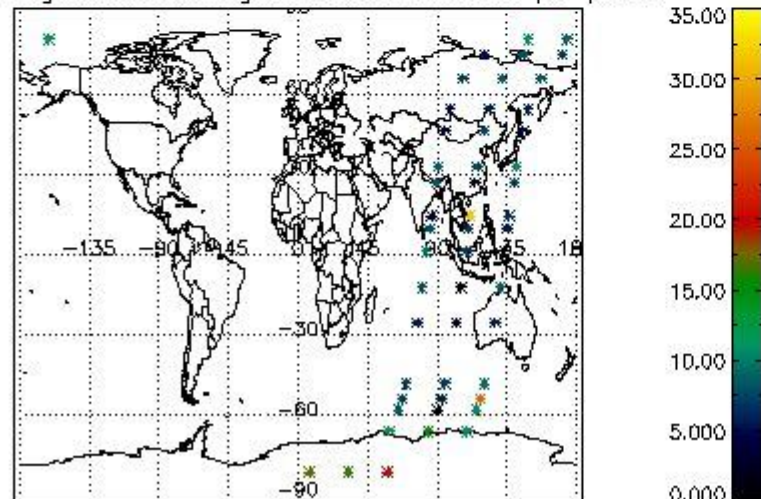
Percentage of cosmic ray hits per profile



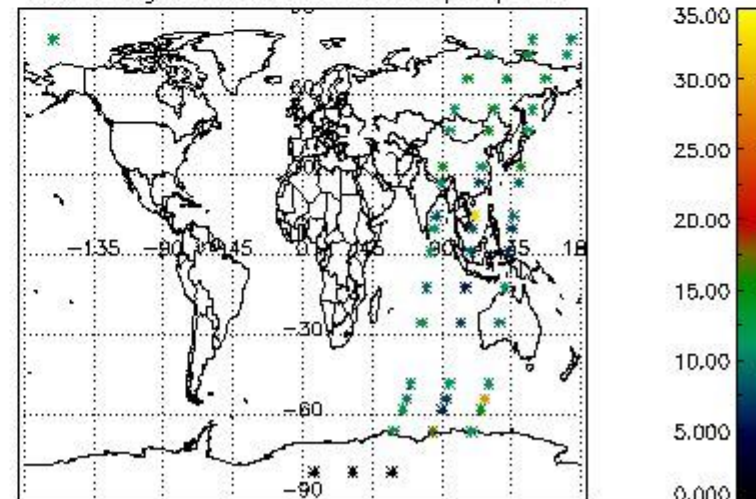
Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



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

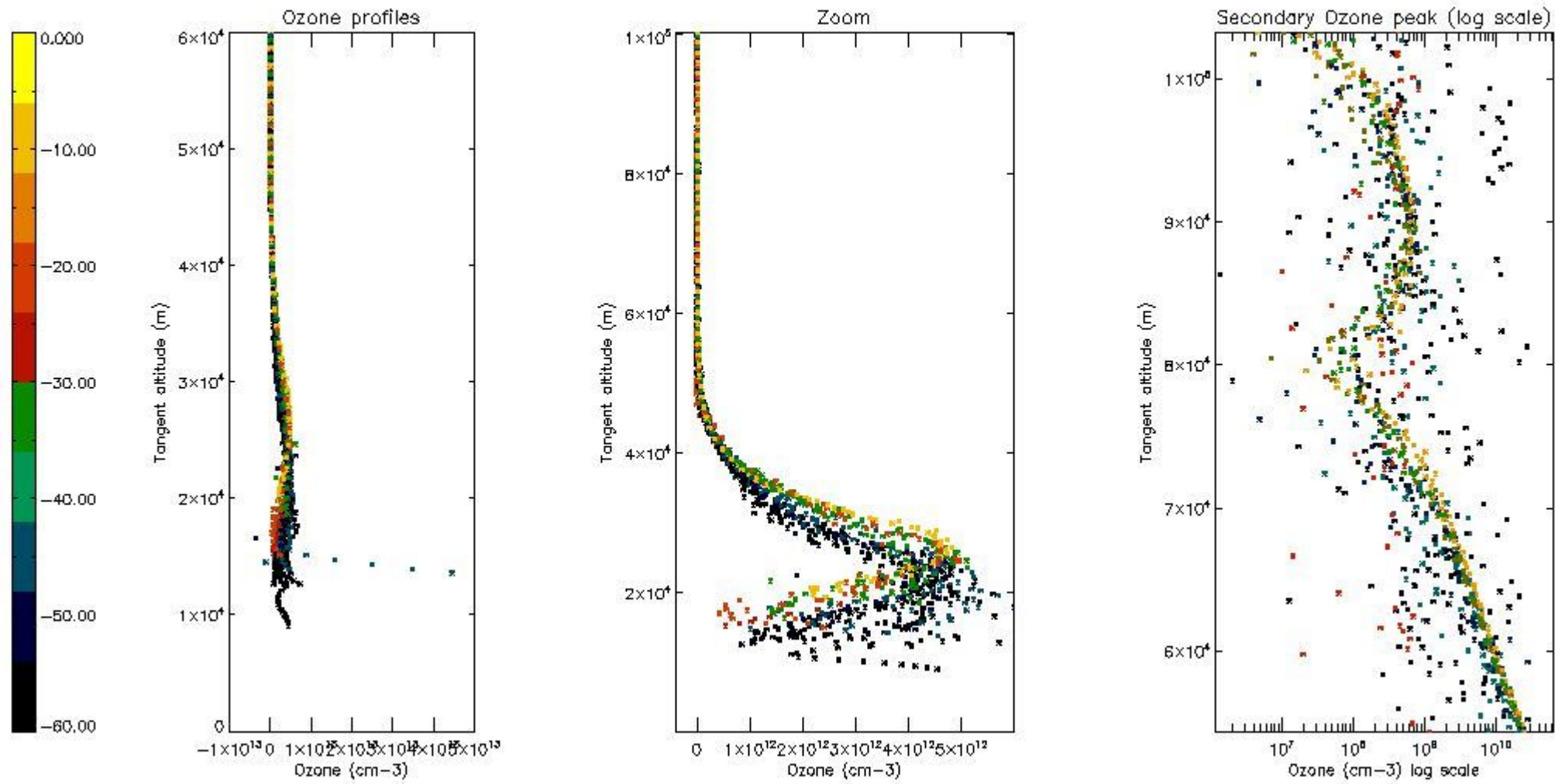
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	31
STD < 20	15

STD < 10	11
STD < 5	6

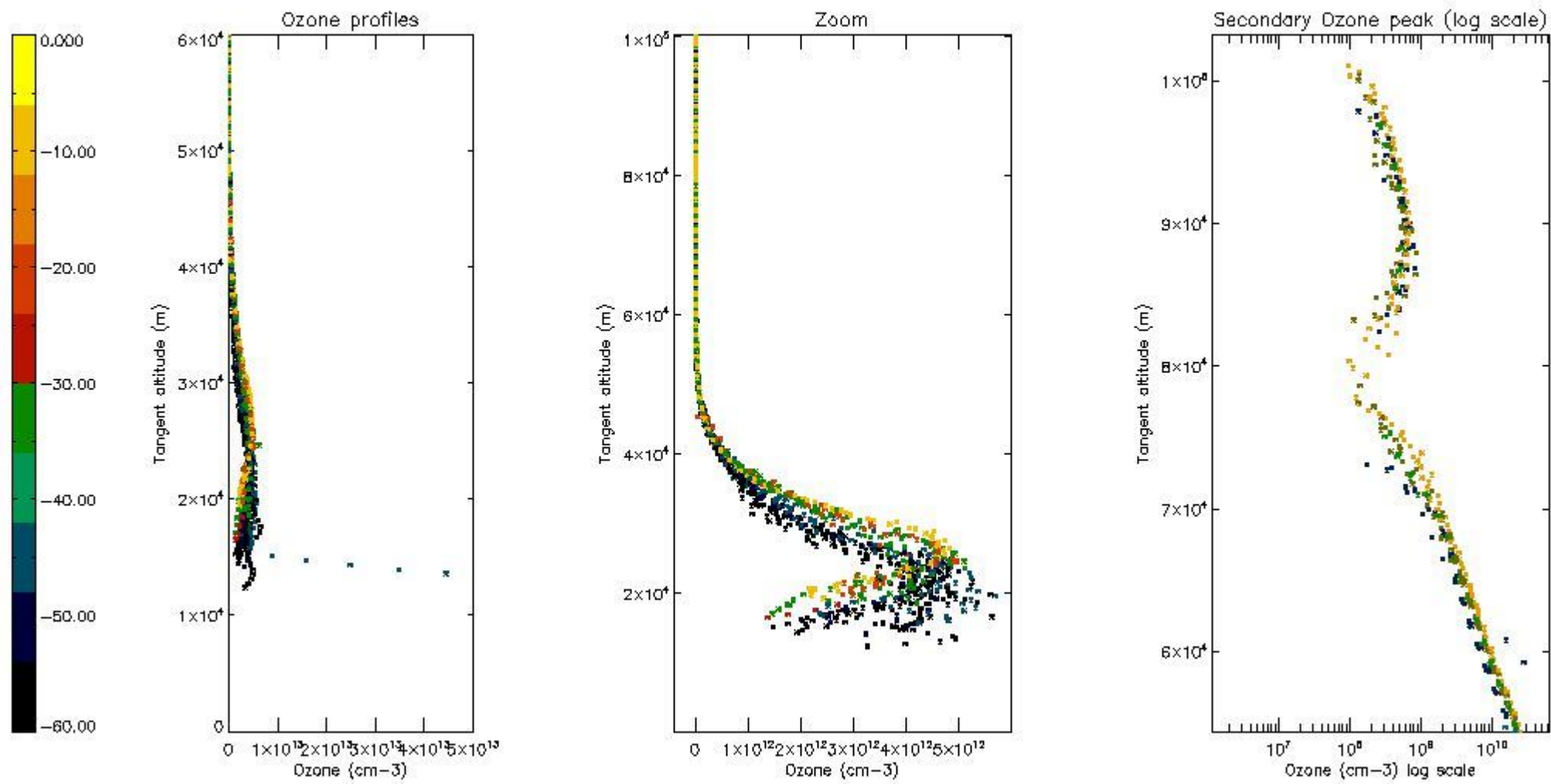
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



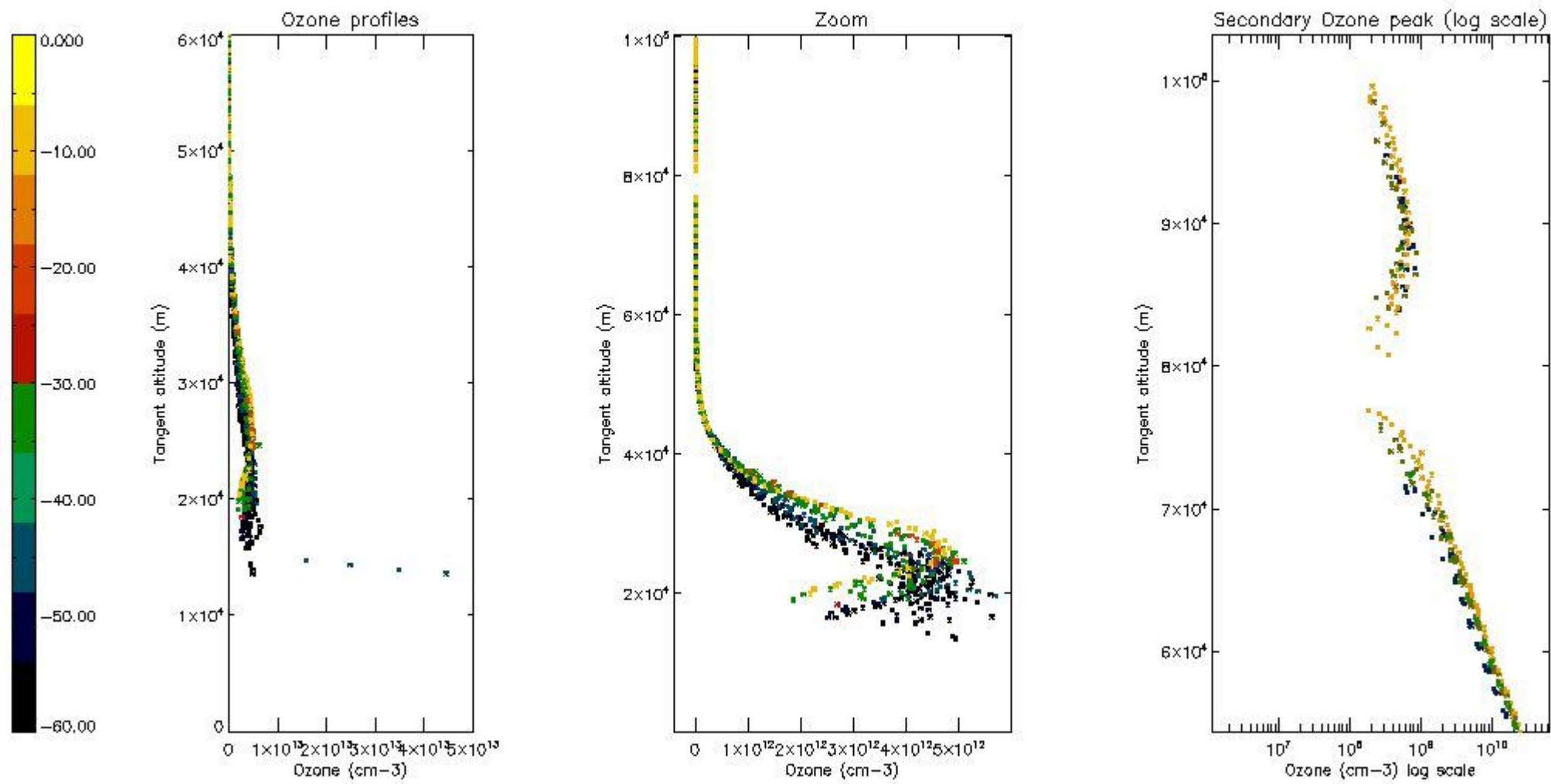
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



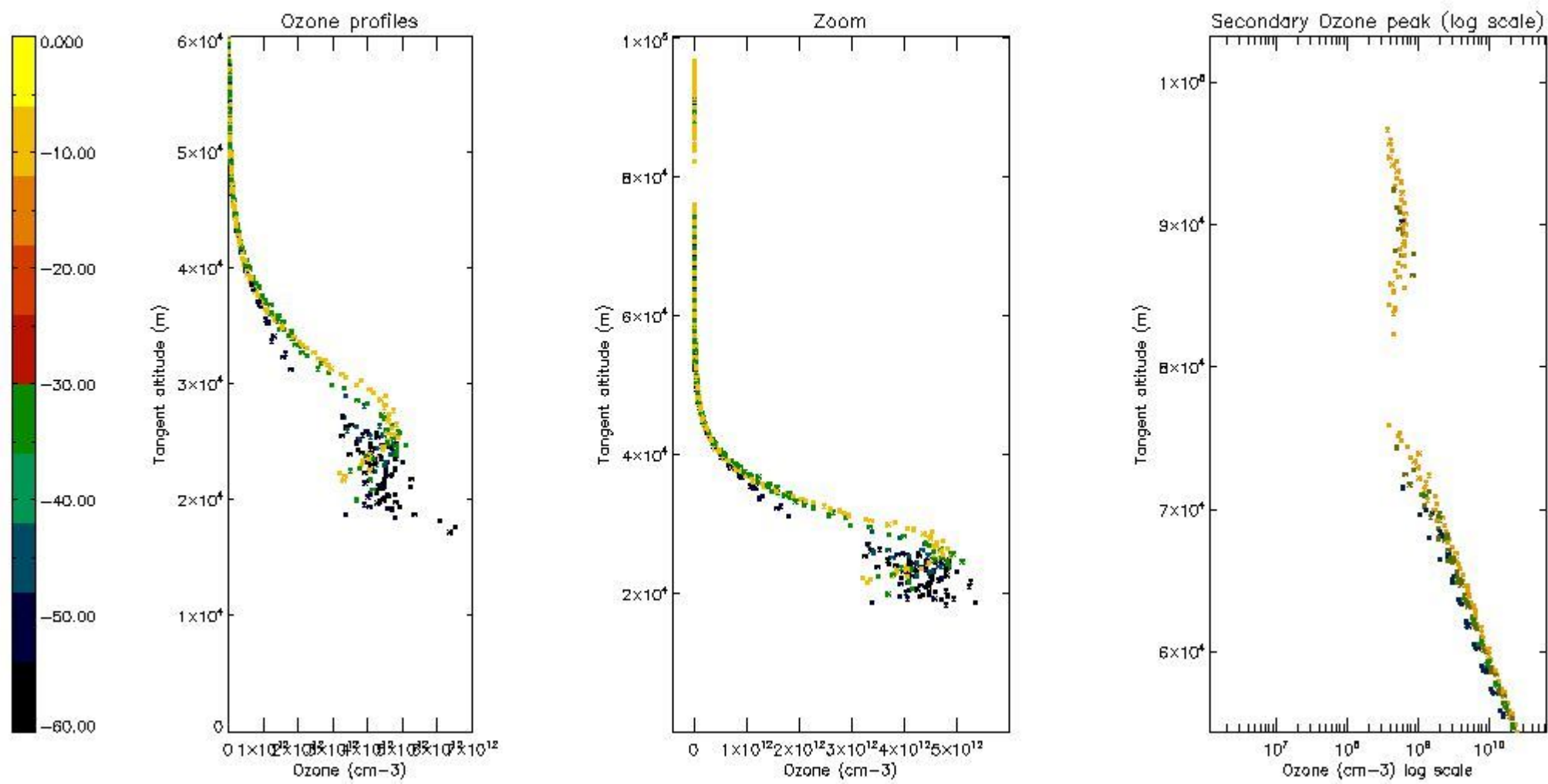
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



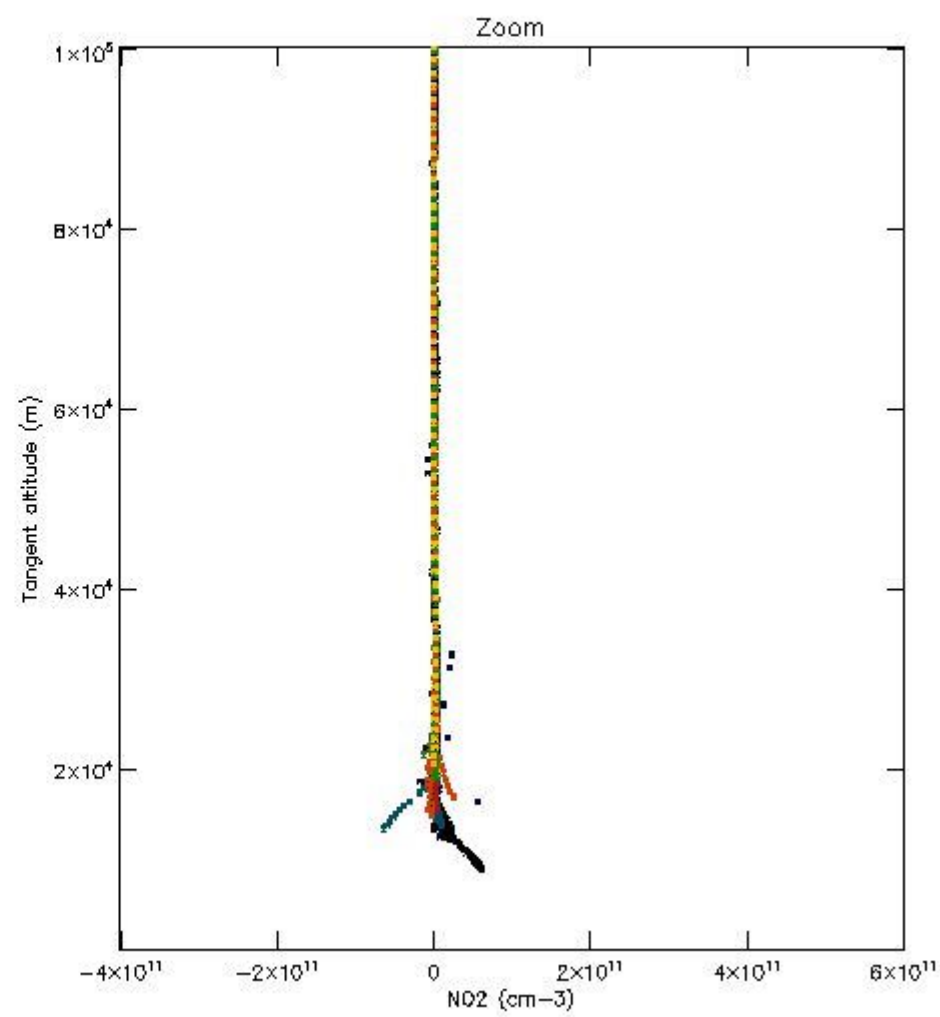
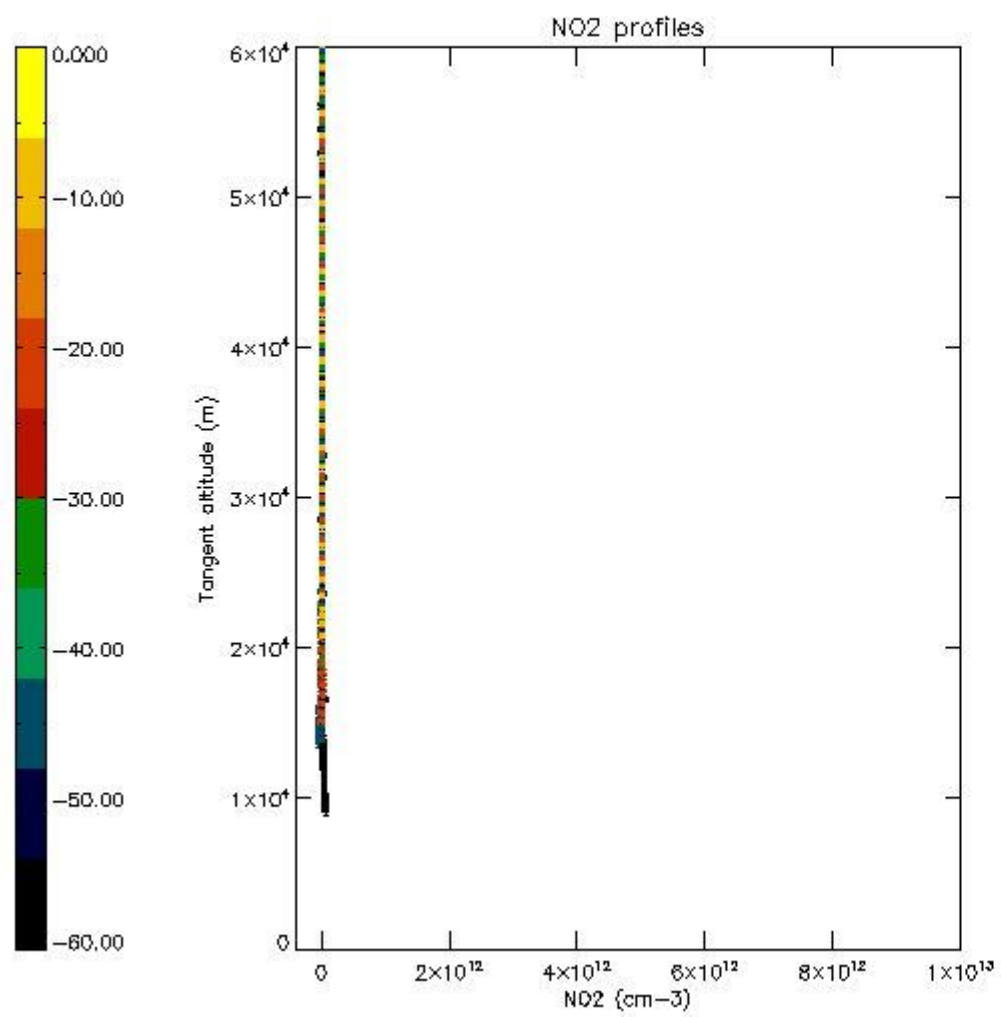
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



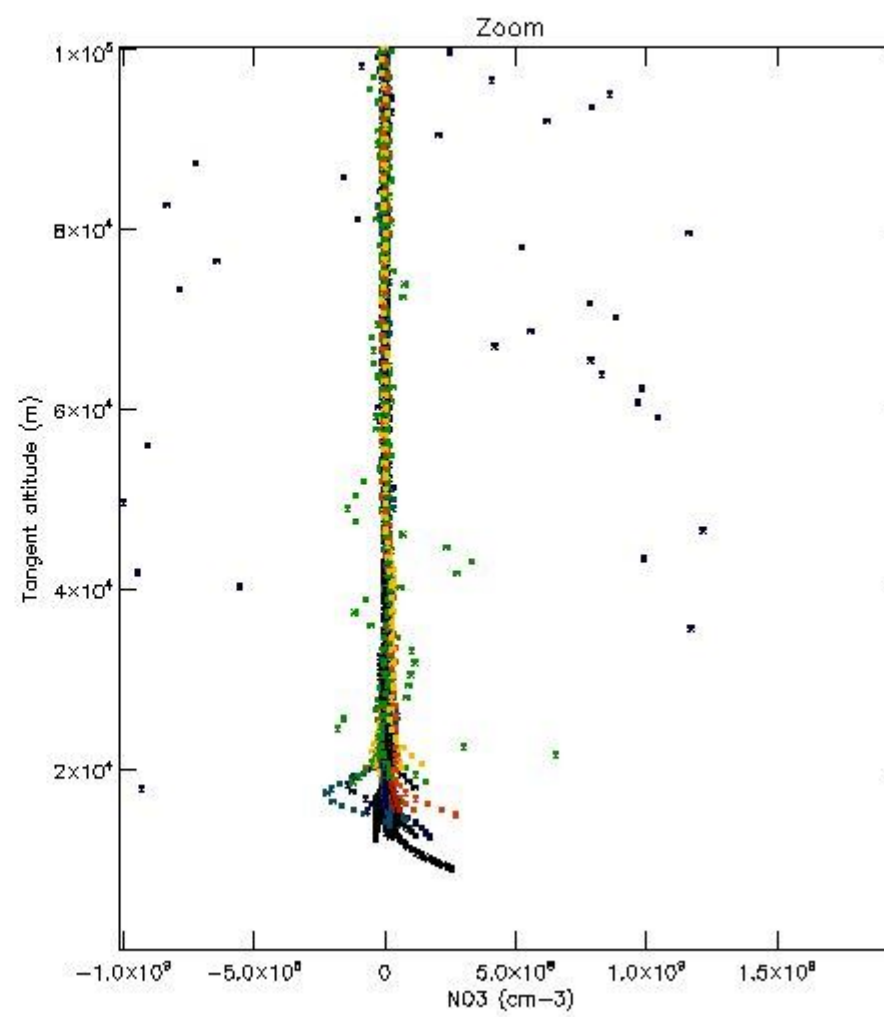
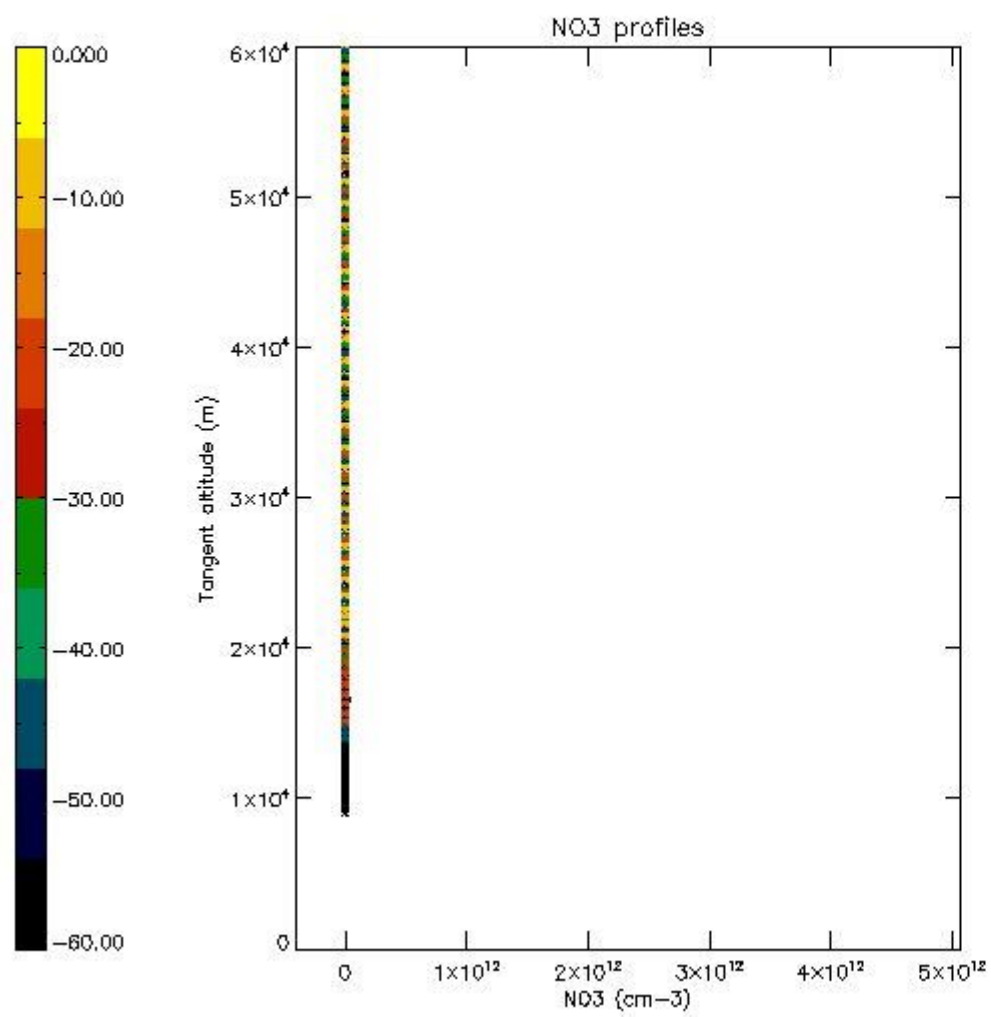
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



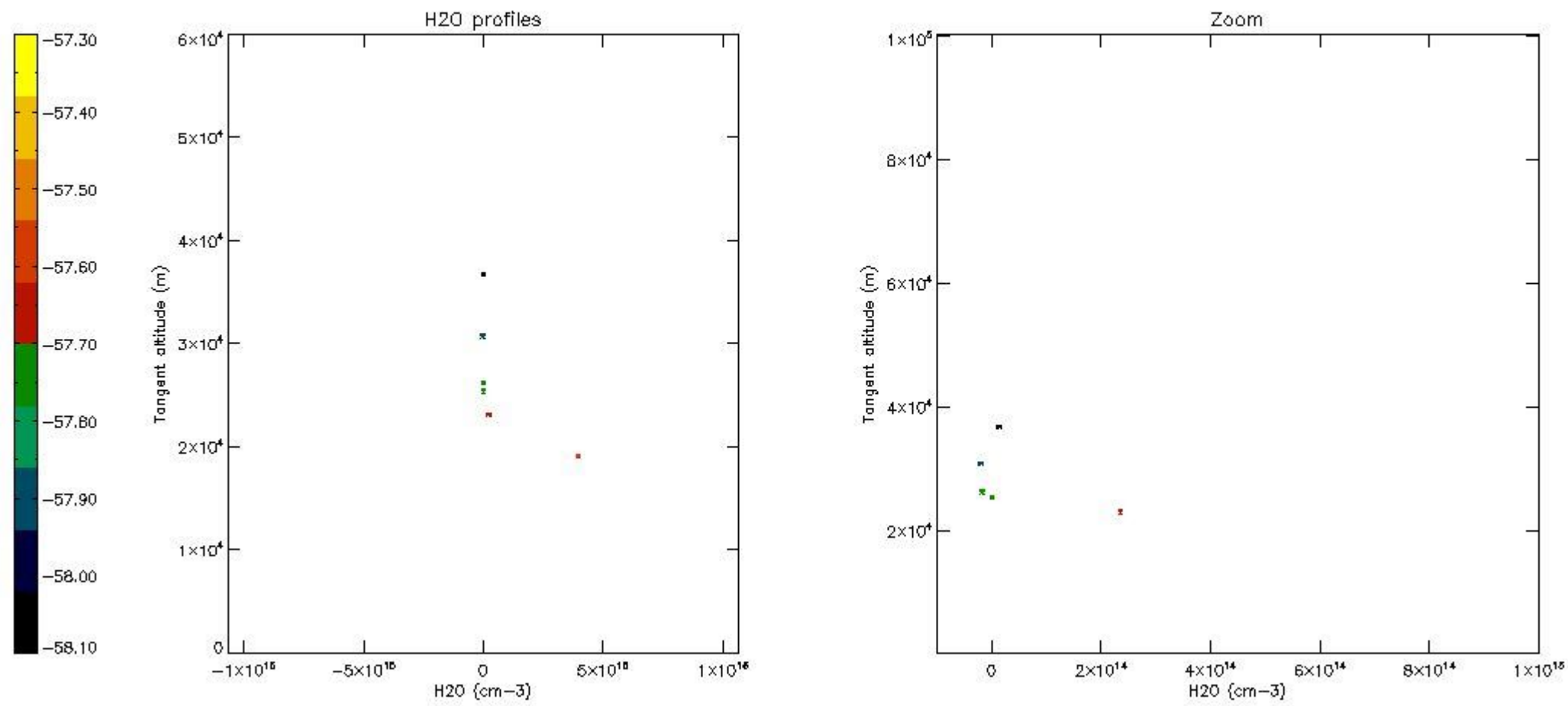
5.7 Plot NO3 profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

The colorbar represents the latitude.



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

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

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXNIEC20050627_150440_20020301_000000_20100101_000000	1	01-MAY-2003 00:00:43
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	01-MAY-2003 00:00:43
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	01-MAY-2003 00:00:43

GOMOS Level 2 Daily Report

SUMMARY

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

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[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 14:14:48
Data source version	GOMOS/6.01
Start time of products	01-05-2003 (01MAY2003 00:00:00)
Stop time of products	02-05-2003 (02MAY2003 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	105
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__2PRFIN20030501_000043_000000652016_00030_06096_6702.N1	01-MAY-2003 00:00:43	Dark	64.500	61	8Eps Peg	2.1000	3900.0	129	6096	No
2	GOM_NL__2PRFIN20030501_000309_000000552016_00030_06096_6703.N1	01-MAY-2003 00:03:09	Dark	55.000	162	34Alp Aqr	2.9440	5350.0	110	6096	No
3	GOM_NL__2PRFIN20030501_000650_000000612016_00030_06096_6704.N1	01-MAY-2003 00:06:50	Dark	60.500	154	22Bet Aqr	2.8990	5700.0	121	6096	No
4	GOM_NL__2PRFIN20030501_000915_000000442016_00030_06096_6705.N1	01-MAY-2003 00:09:15	Dark	44.000	18	24Alp PsA	1.1660	9700.0	88	6096	No
5	GOM_NL__2PRFIN20030501_001501_000000422016_00030_06096_6706.N1	01-MAY-2003 00:15:01	Dark	42.000	31	Alp Gru	1.7340	15200.	84	6096	No
6	GOM_NL__2PRFIN20030501_001739_000000412016_00031_06097_6683.N1	01-MAY-2003 00:17:39	Dark	41.000	148	Alp Tuc	2.8780	4100.0	82	6097	No
7	GOM_NL__2PRFIN20030501_002029_000000422016_00031_06097_6684.N1	01-MAY-2003 00:20:29	Dark	41.500	45	Alp Pav	1.9400	26000.	83	6097	No
8	GOM_NL__2PRFIN20030501_002707_000000502016_00031_06097_6685.N1	01-MAY-2003 00:27:07	Straylight	50.000	43	Alp TrA	1.9100	4250.0	100	6097	No
9	GOM_NL__2PRFIN20030501_002852_000000722016_00031_06097_6686.N1	01-MAY-2003 00:28:52	Straylight	71.500	38	20Eps Sgr	1.8360	11000.	143	6097	No
10	GOM_NL__2PRFIN20030501_003123_000000442016_00031_06097_6687.N1	01-MAY-2003 00:31:23	Straylight	43.500	4	Alp1Cen	-0.010000	5800.0	87	6097	No
11	GOM_NL__2PRFIN20030501_003448_000000652016_00031_06097_6688.N1	01-MAY-2003 00:34:48	Straylight	65.000	75	26Eps Sco	2.2910	4250.0	130	6097	No
12	GOM_NL__2PRFIN20030501_003826_000000432016_00031_06097_6689.N1	01-MAY-2003 00:38:26	Twilight	43.000	54	5The Cen	2.0550	4500.0	86	6097	No
13	GOM_NL__2PRFIN20030501_004050_000000602016_00031_06097_6690.N1	01-MAY-2003 00:40:50	Twilight	59.500	80	7Del Sco	2.3160	30000.	119	6097	No
14	GOM_NL__2PRFIN20030501_004402_000000462016_00031_06097_6691.N1	01-MAY-2003 00:44:02	Bright	46.000	122	9Alp2Lib	2.7470	9700.0	92	6097	No
15	GOM_NL__2PRFIN20030501_004620_000000492016_00031_06097_6692.N1	01-MAY-2003 00:46:20	Bright	49.000	104	27Bet Lib	2.6140	13100.	98	6097	No
16	GOM_NL__2PRFIN20030501_004908_000000372016_00031_06097_6693.N1	01-MAY-2003 00:49:08	Bright	36.500	121	29Gam Vir	2.7400	7200.0	73	6097	No
17	GOM_NL__2PRFIN20030501_005227_000000362016_00031_06097_6694.N1	01-MAY-2003 00:52:27	Bright	36.000	138	47Eps Vir	2.8280	4700.0	72	6097	No
18	GOM_NL__2PRFIN20030501_005446_000000392016_00031_06097_6695.N1	01-MAY-2003 00:54:46	Bright	38.500	111	8Eta Boo	2.6800	6000.0	77	6097	No
19	GOM_NL__2PRFIN20030501_005830_000000482016_00031_06097_6696.N1	01-MAY-2003 00:58:30	Bright	48.000	83		2.3780	11000.	96	6097	No
20	GOM_NL__2PRFIN20030501_010011_000000362016_00031_06097_6697.N1	01-MAY-2003 01:00:11	Bright	35.500	152	12Alp2CVn	2.8900	11000.	71	6097	No
21	GOM_NL__2PRFIN20030501_010344_000000392016_00031_06097_6698.N1	01-MAY-2003 01:03:44	Bright	38.500	39	85Eta UMa	1.8540	24000.	77	6097	No
22	GOM_NL__2PRFIN20030501_010503_000000372016_00031_06097_6699.N1	01-MAY-2003 01:05:03	Bright	36.500	55	79Zet UMa	2.0600	10200.	73	6097	No
23	GOM_NL__2PRFIN20030501_010726_000000342016_00031_06097_6700.N1	01-MAY-2003 01:07:26	Bright	34.000	36	50Alp UMa	1.8000	6300.0	68	6097	No
24	GOM_NL__2PRFIN20030501_011112_000000402016_00031_06097_6701.N1	01-MAY-2003 01:11:12	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	6097	No
25	GOM_NL__2PRFIN20030501_011457_000000362016_00031_06097_6702.N1	01-MAY-2003 01:14:57	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	6097	No
26	GOM_NL__2PRFIN20030501_012122_000000442016_00031_06097_6703.N1	01-MAY-2003 01:21:22	Bright	43.500	89	5Alp Cep	2.4510	8000.0	87	6097	No
27	GOM_NL__2PRFIN20030501_012256_000000452016_00031_06097_6704.N1	01-MAY-2003 01:22:56	Bright	44.500	76	27Gam Cas	2.3000	30000.	89	6097	No
28	GOM_NL__2PRFIN20030501_012412_000000382016_00031_06097_6705.N1	01-MAY-2003 01:24:12	Bright	37.500	68	18Alp Cas	2.2250	4500.0	75	6097	No
29	GOM_NL__2PRFIN20030501_012633_000000612016_00031_06097_6706.N1	01-MAY-2003 01:26:33	Bright	60.500	19	50Alp Cyg	1.2460	10500.	121	6097	No
30	GOM_NL__2PRFIN20030501_013203_000000842016_00031_06097_6707.N1	01-MAY-2003 01:32:03	Twilight	84.000	92	53Eps Cyg	2.5000	4500.0	168	6097	No
31	GOM_NL__2PRFIN20030501_013704_000000442016_00031_06097_6708.N1	01-MAY-2003 01:37:04	Twilight	44.000	90	54Alp Peg	2.4870	11000.	88	6097	No
32	GOM_NL__2PRFIN20030501_014119_000000662016_00031_06097_6709.N1	01-MAY-2003 01:41:19	Dark	66.000	61	8Eps Peg	2.1000	3900.0	132	6097	No
33	GOM_NL__2PRFIN20030501_014346_000000512016_00031_06097_6710.N1	01-MAY-2003 01:43:46	Dark	50.500	162	34Alp Aqr	2.9440	5350.0	101	6097	No
34	GOM_NL__2PRFIN20030501_014727_000000652016_00031_06097_6711.N1	01-MAY-2003 01:47:27	Dark	64.500	154	22Bet Aqr	2.8990	5700.0	129	6097	No
35	GOM_NL__2PRFIN20030501_014952_000000442016_00031_06097_6712.N1	01-MAY-2003 01:49:52	Dark	43.500	18	24Alp PsA	1.1660	9700.0	87	6097	No
36	GOM_NL__2PRFIN20030501_015405_000000412016_00031_06097_6713.N1	01-MAY-2003 01:54:05	Dark	41.000	172	Gam Gru	3.0030	13100.	82	6097	No
37	GOM_NL__2PRFIN20030501_015537_000000412016_00031_06097_6714.N1	01-MAY-2003 01:55:37	Dark	40.500	31	Alp Gru	1.7340	15200.	81	6097	No
38	GOM_NL__2PRFIN20030501_015815_000000382016_00032_06098_6697.N1	01-MAY-2003 01:58:15	Dark	38.000	148	Alp Tuc	2.8780	4100.0	76	6098	No
39	GOM_NL__2PRFIN20030501_020106_000000412016_00032_06098_6698.N1	01-MAY-2003 02:01:06	Dark	41.000	45	Alp Pav	1.9400	26000.	82	6098	No
40	GOM_NL__2PRFIN20030501_020743_000000392016_00032_06098_6699.N1	01-MAY-2003 02:07:43	Straylight	39.000	43	Alp TrA	1.9100	4250.0	78	6098	No
41	GOM_NL__2PRFIN20030501_020929_000000722016_00032_06098_6700.N1	01-MAY-2003 02:09:29	Straylight	72.000	38	20Eps Sgr	1.8360	11000.	144	6098	No
42	GOM_NL__2PRFIN20030501_021159_000000422016_00032_06098_6701.N1	01-MAY-2003 02:11:59	Straylight	42.000	4	Alp1Cen	-0.010000	5800.0	84	6098	No

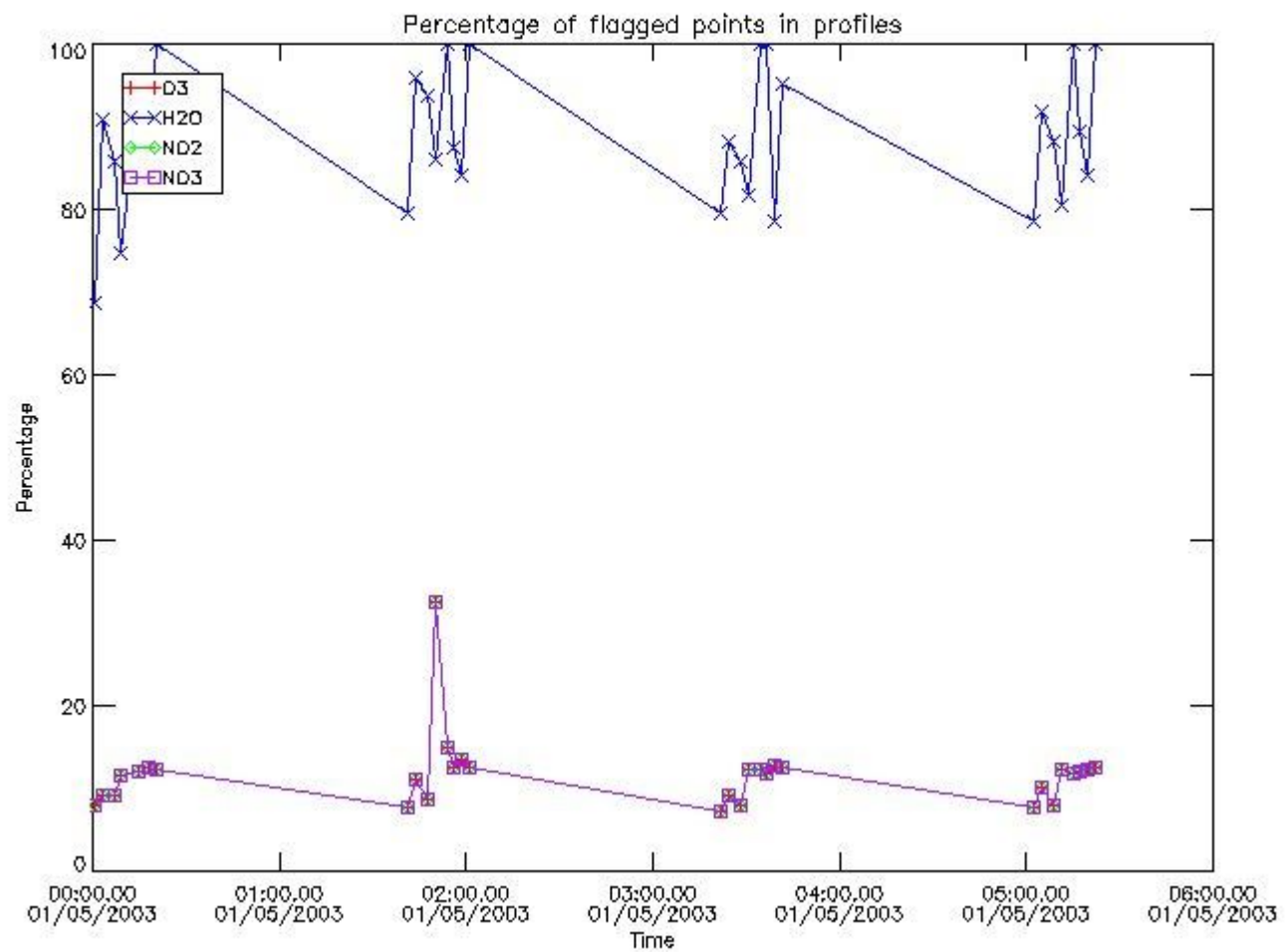
43	GOM_NL__2PRFIN20030501_021524_000000622016_00032_06098_6702.N1	01-MAY-2003 02:15:24	Straylight	61.500	75	26Eps Sco	2.2910	4250.0	123	6098	No
44	GOM_NL__2PRFIN20030501_021902_000000452016_00032_06098_6703.N1	01-MAY-2003 02:19:02	Twi_and_stray	44.500	54	5The Cen	2.0550	4500.0	89	6098	No
45	GOM_NL__2PRFIN20030501_022126_000000642016_00032_06098_6704.N1	01-MAY-2003 02:21:26	Twi_and_stray	64.000	80	7Del Sco	2.3160	30000.	128	6098	No
46	GOM_NL__2PRFIN20030501_022438_000000452016_00032_06098_6705.N1	01-MAY-2003 02:24:38	Bright	44.500	122	9Alp2Lib	2.7470	9700.0	89	6098	No
47	GOM_NL__2PRFIN20030501_022656_000000502016_00032_06098_6706.N1	01-MAY-2003 02:26:56	Bright	50.000	104	27Bet Lib	2.6140	13100.	100	6098	No
48	GOM_NL__2PRFIN20030501_022944_000000372016_00032_06098_6707.N1	01-MAY-2003 02:29:44	Bright	36.500	121	29Gam Vir	2.7400	7200.0	73	6098	No
49	GOM_NL__2PRFIN20030501_023303_000000372016_00032_06098_6708.N1	01-MAY-2003 02:33:03	Bright	36.500	138	47Eps Vir	2.8280	4700.0	73	6098	No
50	GOM_NL__2PRFIN20030501_023522_000000402016_00032_06098_6709.N1	01-MAY-2003 02:35:22	Bright	40.000	111	8Eta Boo	2.6800	6000.0	80	6098	No
51	GOM_NL__2PRFIN20030501_023906_000000462016_00032_06098_6710.N1	01-MAY-2003 02:39:06	Bright	46.000	83		2.3780	11000.	92	6098	No
52	GOM_NL__2PRFIN20030501_024047_000000362016_00032_06098_6711.N1	01-MAY-2003 02:40:47	Bright	35.500	152	12Alp2CVn	2.8900	11000.	71	6098	No
53	GOM_NL__2PRFIN20030501_024419_000000522016_00032_06098_6712.N1	01-MAY-2003 02:44:19	Bright	52.000	39	85Eta UMa	1.8540	24000.	104	6098	No
54	GOM_NL__2PRFIN20030501_024539_000000372016_00032_06098_6713.N1	01-MAY-2003 02:45:39	Bright	37.000	55	79Zet UMa	2.0600	10200.	74	6098	No
55	GOM_NL__2PRFIN20030501_024803_000000372016_00032_06098_6714.N1	01-MAY-2003 02:48:03	Bright	36.500	36	50Alp UMa	1.8000	6300.0	73	6098	No
56	GOM_NL__2PRFIN20030501_025148_000000362016_00032_06098_6715.N1	01-MAY-2003 02:51:48	Bright	36.000	60	7Bet UMi	2.0810	3950.0	72	6098	No
57	GOM_NL__2PRFIN20030501_025533_000000352016_00032_06098_6716.N1	01-MAY-2003 02:55:33	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	6098	No
58	GOM_NL__2PRFIN20030501_030158_000000432016_00032_06098_6717.N1	01-MAY-2003 03:01:58	Bright	43.000	89	5Alp Cep	2.4510	8000.0	86	6098	No
59	GOM_NL__2PRFIN20030501_030332_000000352016_00032_06098_6718.N1	01-MAY-2003 03:03:32	Bright	34.500	76	27Gam Cas	2.3000	30000.	69	6098	No
60	GOM_NL__2PRFIN20030501_030448_000000342016_00032_06098_6719.N1	01-MAY-2003 03:04:48	Bright	33.500	68	18Alp Cas	2.2250	4500.0	67	6098	No
61	GOM_NL__2PRFIN20030501_030709_000000652016_00032_06098_6720.N1	01-MAY-2003 03:07:09	Bright	64.500	19	50Alp Cyg	1.2460	10500.	129	6098	No
62	GOM_NL__2PRFIN20030501_031239_000000802016_00032_06098_6721.N1	01-MAY-2003 03:12:39	Twi_and_stray	80.000	92	53Eps Cyg	2.5000	4500.0	160	6098	No
63	GOM_NL__2PRFIN20030501_031741_000000462016_00032_06098_6722.N1	01-MAY-2003 03:17:41	Twilight	45.500	90	54Alp Peg	2.4870	11000.	91	6098	No
64	GOM_NL__2PRFIN20030501_032156_000000712016_00032_06098_6723.N1	01-MAY-2003 03:21:56	Dark	71.000	61	8Eps Peg	2.1000	3900.0	142	6098	No
65	GOM_NL__2PRFIN20030501_032423_000000562016_00032_06098_6724.N1	01-MAY-2003 03:24:23	Dark	55.500	162	34Alp Aqr	2.9440	5350.0	111	6098	No
66	GOM_NL__2PRFIN20030501_032804_000000642016_00032_06098_6725.N1	01-MAY-2003 03:28:04	Dark	63.500	154	22Bet Aqr	2.8990	5700.0	127	6098	No
67	GOM_NL__2PRFIN20030501_033028_000000422016_00032_06098_6726.N1	01-MAY-2003 03:30:28	Dark	41.500	18	24Alp PsA	1.1660	9700.0	83	6098	No
68	GOM_NL__2PRFIN20030501_033442_000000422016_00032_06098_6727.N1	01-MAY-2003 03:34:42	Dark	41.500	172	Gam Gru	3.0030	13100.	83	6098	No
69	GOM_NL__2PRFIN20030501_033614_000000432016_00032_06098_6728.N1	01-MAY-2003 03:36:14	Dark	43.000	31	Alp Gru	1.7340	15200.	86	6098	No
70	GOM_NL__2PRFIN20030501_033852_000000402016_00033_06099_6686.N1	01-MAY-2003 03:38:52	Dark	40.000	148	Alp Tuc	2.8780	4100.0	80	6099	No
71	GOM_NL__2PRFIN20030501_034142_000000412016_00033_06099_6687.N1	01-MAY-2003 03:41:42	Dark	41.000	45	Alp Pav	1.9400	26000.	82	6099	No
72	GOM_NL__2PRFIN20030501_034820_000000402016_00033_06099_6688.N1	01-MAY-2003 03:48:20	Straylight	39.500	43	Alp TrA	1.9100	4250.0	79	6099	No
73	GOM_NL__2PRFIN20030501_035007_000000672016_00033_06099_6689.N1	01-MAY-2003 03:50:07	Straylight	67.000	38	20Eps Sgr	1.8360	11000.	134	6099	No
74	GOM_NL__2PRFIN20030501_035235_000000492016_00033_06099_6690.N1	01-MAY-2003 03:52:35	Straylight	49.000	4	Alp1Cen	-0.010000	5800.0	98	6099	No
75	GOM_NL__2PRFIN20030501_035601_000000612016_00033_06099_6691.N1	01-MAY-2003 03:56:01	Straylight	60.500	75	26Eps Sco	2.2910	4250.0	121	6099	No
76	GOM_NL__2PRFIN20030501_035939_000000472016_00033_06099_6692.N1	01-MAY-2003 03:59:39	Twi_and_stray	47.000	54	5The Cen	2.0550	4500.0	94	6099	No
77	GOM_NL__2PRFIN20030501_040203_000000612016_00033_06099_6693.N1	01-MAY-2003 04:02:03	Twi_and_stray	60.500	80	7Del Sco	2.3160	30000.	121	6099	No
78	GOM_NL__2PRFIN20030501_040514_000000462016_00033_06099_6694.N1	01-MAY-2003 04:05:14	Bright	46.000	122	9Alp2Lib	2.7470	9700.0	92	6099	No
79	GOM_NL__2PRFIN20030501_040732_000000492016_00033_06099_6695.N1	01-MAY-2003 04:07:32	Bright	48.500	104	27Bet Lib	2.6140	13100.	97	6099	No
80	GOM_NL__2PRFIN20030501_041020_000000362016_00033_06099_6696.N1	01-MAY-2003 04:10:20	Bright	36.000	121	29Gam Vir	2.7400	7200.0	72	6099	No
81	GOM_NL__2PRFIN20030501_041339_000000362016_00033_06099_6697.N1	01-MAY-2003 04:13:39	Bright	35.500	138	47Eps Vir	2.8280	4700.0	71	6099	No
82	GOM_NL__2PRFIN20030501_041558_000000392016_00033_06099_6698.N1	01-MAY-2003 04:15:58	Bright	38.500	111	8Eta Boo	2.6800	6000.0	77	6099	No
83	GOM_NL__2PRFIN20030501_041941_000000472016_00033_06099_6699.N1	01-MAY-2003 04:19:41	Bright	47.000	83		2.3780	11000.	94	6099	No
84	GOM_NL__2PRFIN20030501_042123_000000372016_00033_06099_6700.N1	01-MAY-2003 04:21:23	Bright	36.500	152	12Alp2CVn	2.8900	11000.	73	6099	No
85	GOM_NL__2PRFIN20030501_042455_000000372016_00033_06099_6701.N1	01-MAY-2003 04:24:55	Bright	37.000	39	85Eta UMa	1.8540	24000.	74	6099	No
86	GOM_NL__2PRFIN20030501_042615_000000382016_00033_06099_6702.N1	01-MAY-2003 04:26:15	Bright	38.000	55	79Zet UMa	2.0600	10200.	76	6099	No
87	GOM_NL__2PRFIN20030501_042839_000000382016_00033_06099_6703.N1	01-MAY-2003 04:28:39	Bright	37.500	36	50Alp UMa	1.8000	6300.0	75	6099	No
88	GOM_NL__2PRFIN20030501_043224_000000382016_00033_06099_6704.N1	01-MAY-2003 04:32:24	Bright	38.000	60	7Bet UMi	2.0810	3950.0	76	6099	No
89	GOM_NL__2PRFIN20030501_043609_000000372016_00033_06099_6705.N1	01-MAY-2003 04:36:09	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	6099	No
90	GOM_NL__2PRFIN20030501_044233_000000432016_00033_06099_6706.N1	01-MAY-2003 04:42:33	Bright	43.000	89	5Alp Cep	2.4510	8000.0	86	6099	No
91	GOM_NL__2PRFIN20030501_044408_000000362016_00033_06099_6707.N1	01-MAY-2003 04:44:08	Bright	35.500	76	27Gam Cas	2.3000	30000.	71	6099	No
92	GOM_NL__2PRFIN20030501_044524_000000372016_00033_06099_6708.N1	01-MAY-2003 04:45:24	Bright	36.500	68	18Alp Cas	2.2250	4500.0	73	6099	No
93	GOM_NL__2PRFIN20030501_044744_000000622016_00033_06099_6709.N1	01-MAY-2003 04:47:44	Bright	61.500	19	50Alp Cyg	1.2460	10500.	123	6099	No
94	GOM_NL__2PRFIN20030501_045315_000000822016_00033_06099_6710.N1	01-MAY-2003 04:53:15	Twi_and_stray	81.500	92	53Eps Cyg	2.5000	4500.0	163	6099	No
95	GOM_NL__2PRFIN20030501_045817_000000462016_00033_06099_6711.N1	01-MAY-2003 04:58:17	Twilight	45.500	90	54Alp Peg	2.4870	11000.	91	6099	No
96	GOM_NL__2PRFIN20030501_050233_000000662016_00033_06099_6712.N1	01-MAY-2003 05:02:33	Dark	66.000	61	8Eps Peg	2.1000	3900.0	132	6099	No
97	GOM_NL__2PRFIN20030501_050459_000000552016_00033_06099_6713.N1	01-MAY-2003 05:04:59	Dark	55.000	162	34Alp Aqr	2.9440	5350.0	110	6099	No
98	GOM_NL__2PRFIN20030501_050841_000000652016_00033_06099_6714.N1	01-MAY-2003 05:08:41	Dark	64.500	154	22Bet Aqr	2.8990	5700.0	129	6099	No
99	GOM_NL__2PRFIN20030501_051105_000000422016_00033_06099_6715.N1	01-MAY-2003 05:11:05	Dark	41.500	18	24Alp PsA	1.1660	9700.0	83	6099	No
100	GOM_NL__2PRFIN20030501_051519_000000432016_00033_06099_6716.N1	01-MAY-2003 05:15:19	Dark	43.000	172	Gam Gru	3.0030	13100.	86	6099	No
101	GOM_NL__2PRFIN20030501_051650_000000432016_00033_06099_6717.N1	01-MAY-2003 05:16:50	Dark	42.500	31	Alp Gru	1.7340	15200.	85	6099	No

102	GOM_NL__2PRFIN20030501_051928_00000422016_00034_06100_6687.N1	01-MAY-2003 05:19:28	Dark	41.500	148	Alp Tuc	2.8780	4100.0	83	6100	No
103	GOM_NL__2PRFIN20030501_052219_00000412016_00034_06100_6688.N1	01-MAY-2003 05:22:19	Dark	40.500	45	Alp Pav	1.9400	26000.	81	6100	No
104	GOM_NL__2PRFIN20030501_053001_00000952016_00034_06100_6689.N1	01-MAY-2003 05:30:01	Straylight	94.500	57	34Sig Sgr	2.0660	26000.	189	6100	No
105	GOM_NL__2PRFIN20030501_053329_00000642016_00034_06100_6690.N1	01-MAY-2003 05:33:29	Straylight	63.500	25	35Lam Sco	1.6200	28000.	127	6100	No

3. Quality information per product

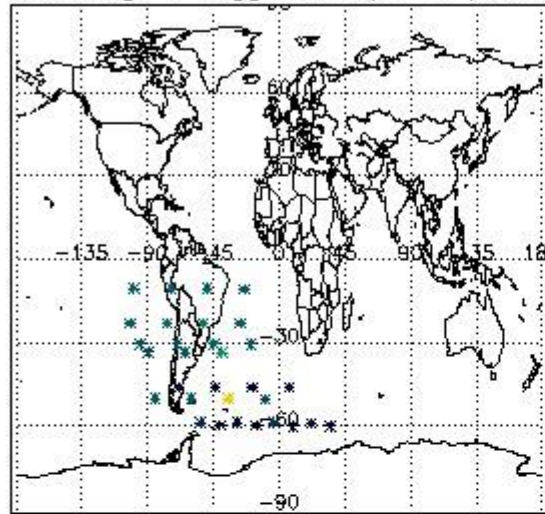
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

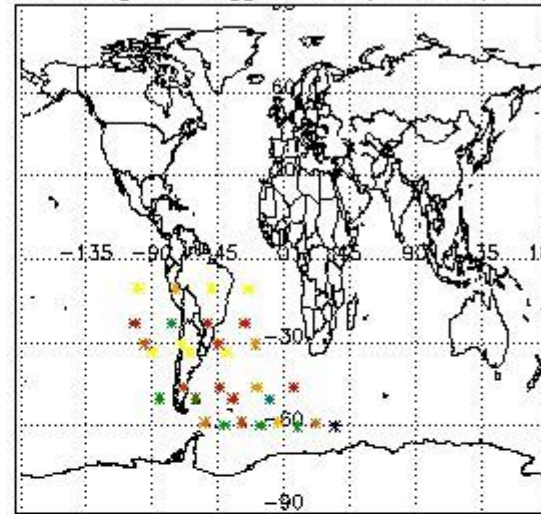


3.2 Plot quality information per product (world map)

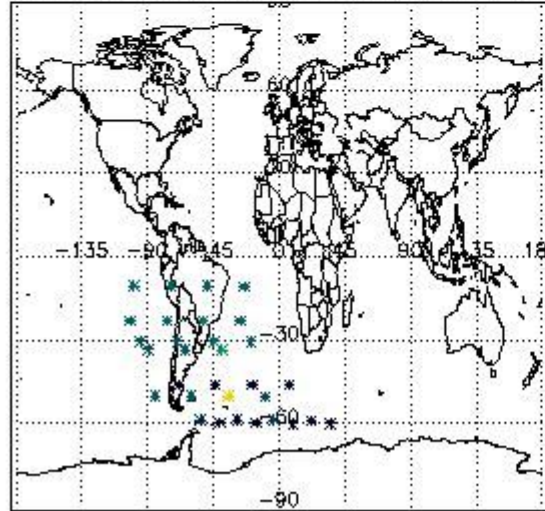
Percentage of flagged data per O3 profile



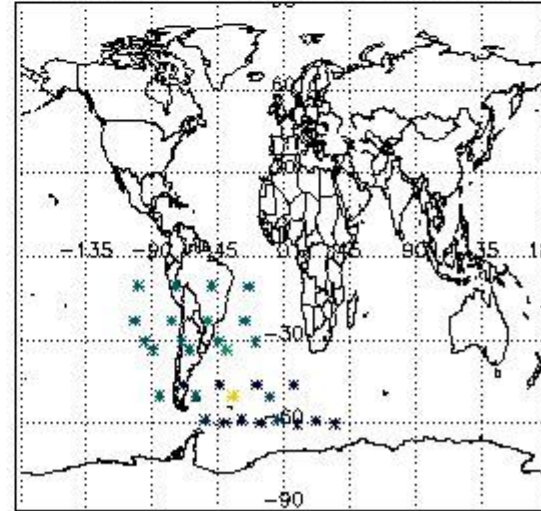
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

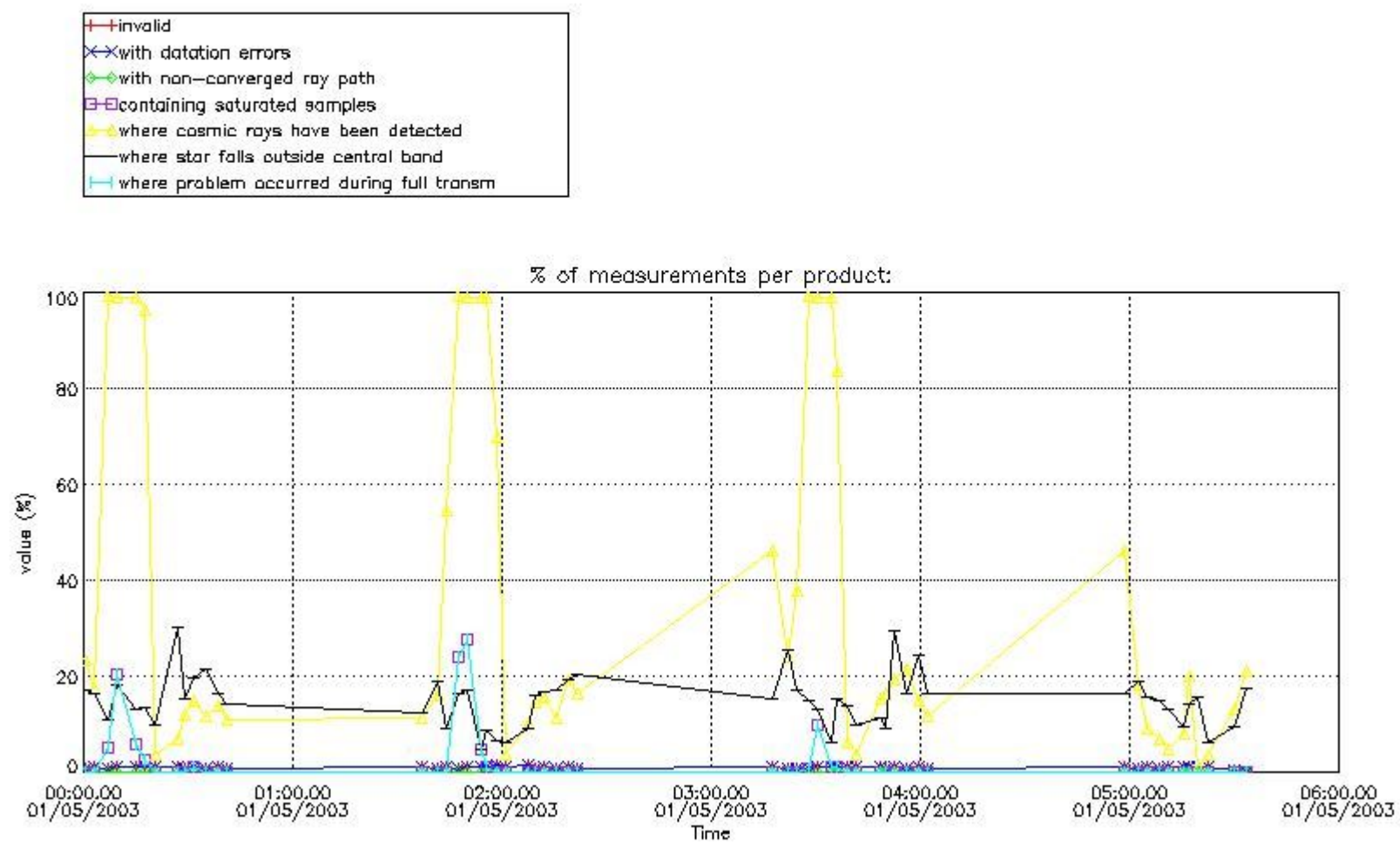


4. Level 1 quality information per product

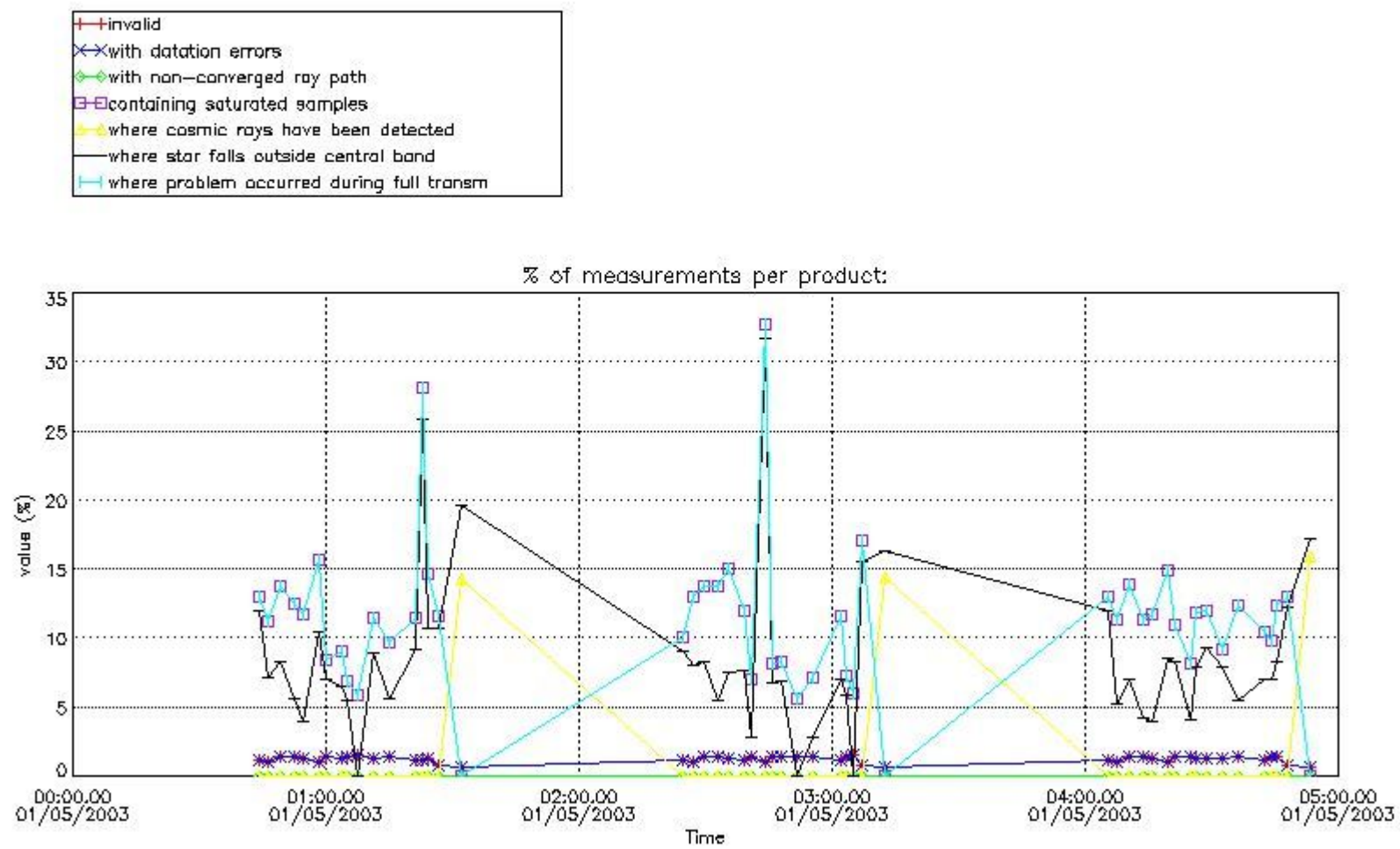
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



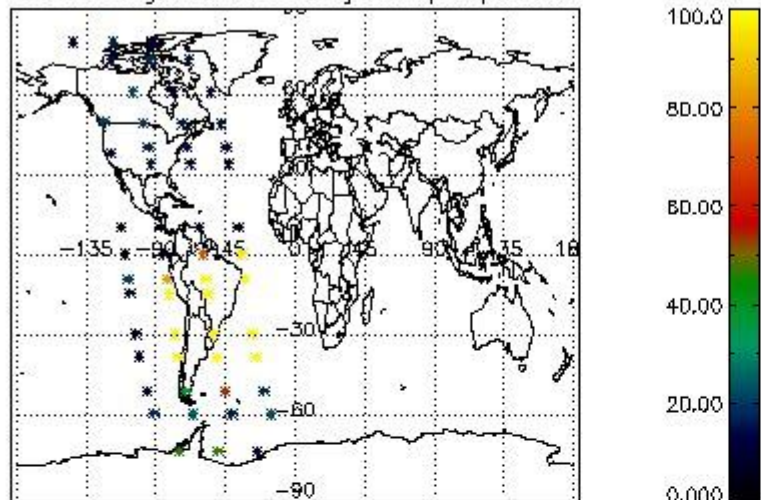
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



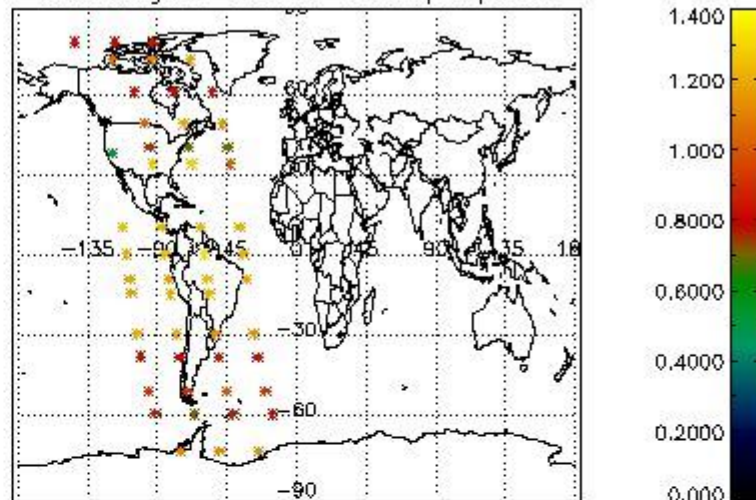
4.2 Plot quality information per product coming from level 1b processing (world map)

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

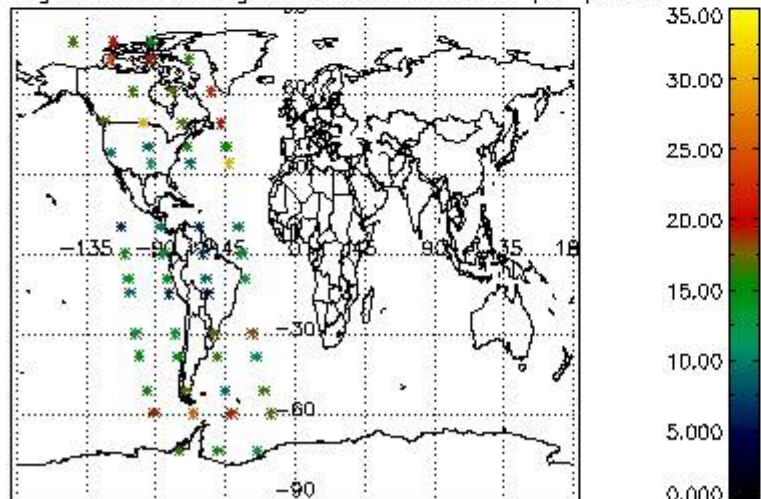
Percentage of cosmic ray hits per profile



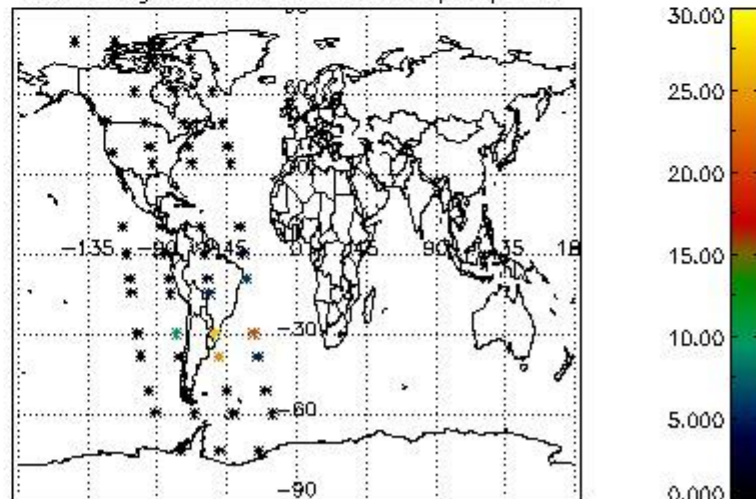
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

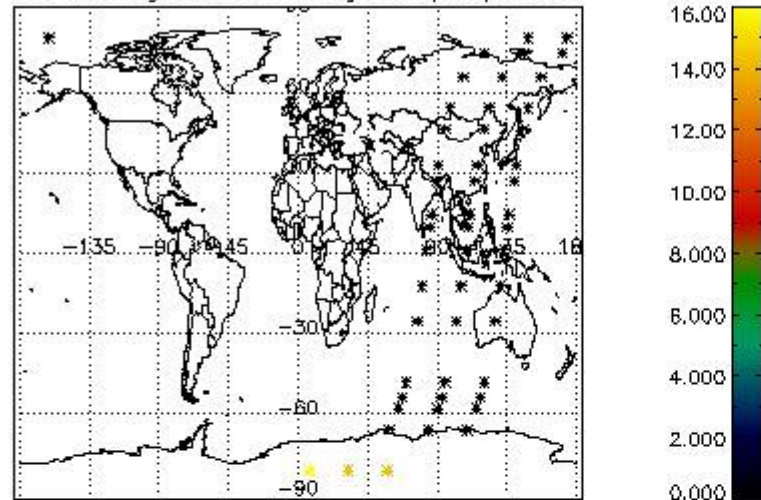


Percentage of saturation errors per profile

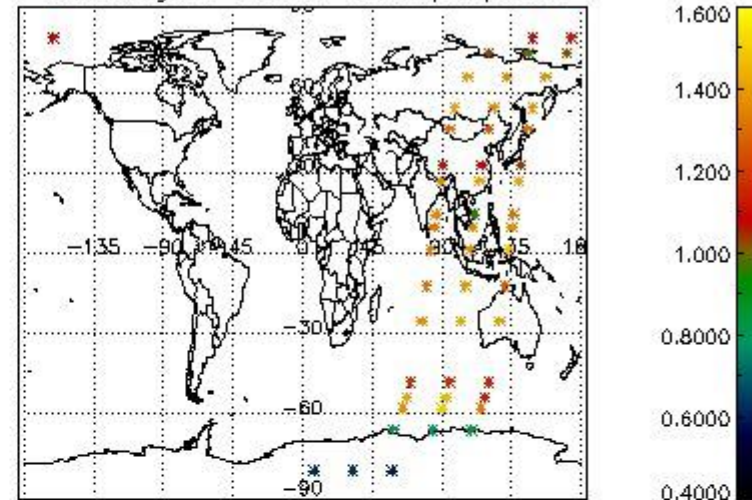


4.2.2 Plot level 1 quality information per product (world map): ENVISAT DESCENDING passes

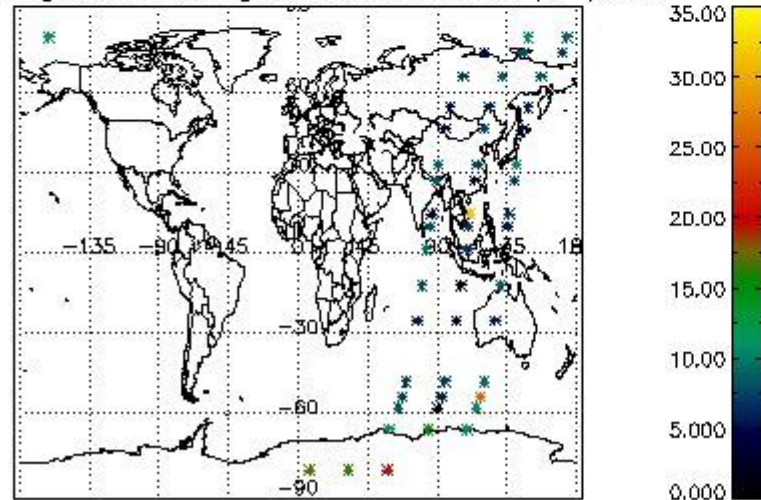
Percentage of cosmic ray hits per profile



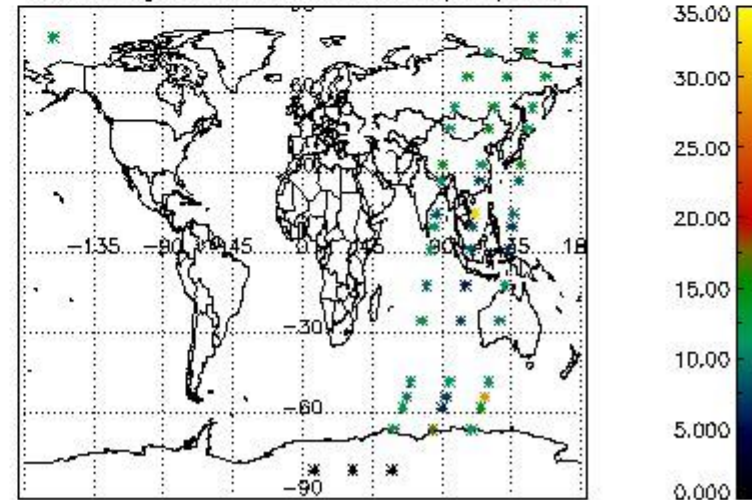
Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



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

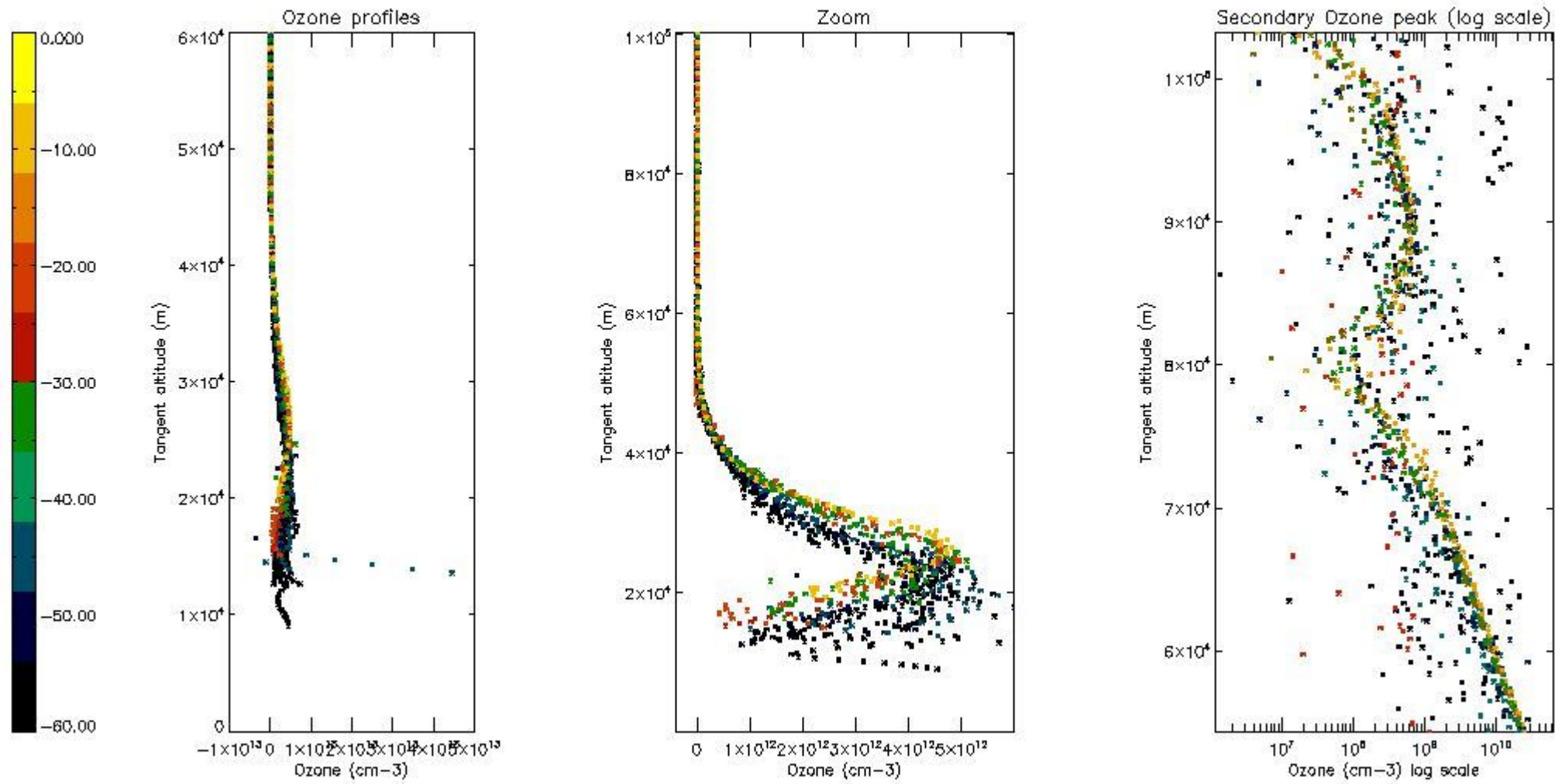
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	31
STD < 20	15

STD < 10	11
STD < 5	6

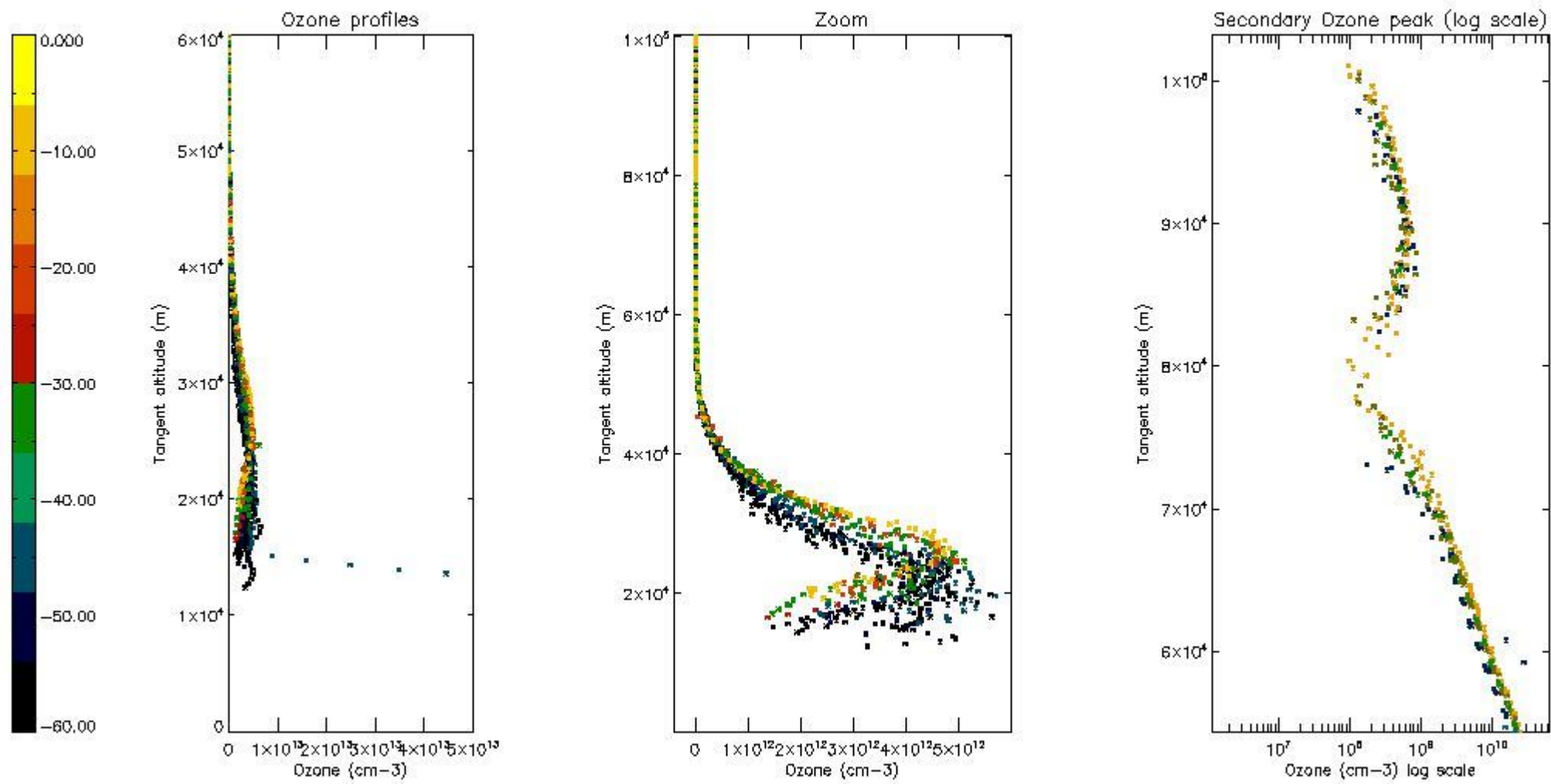
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



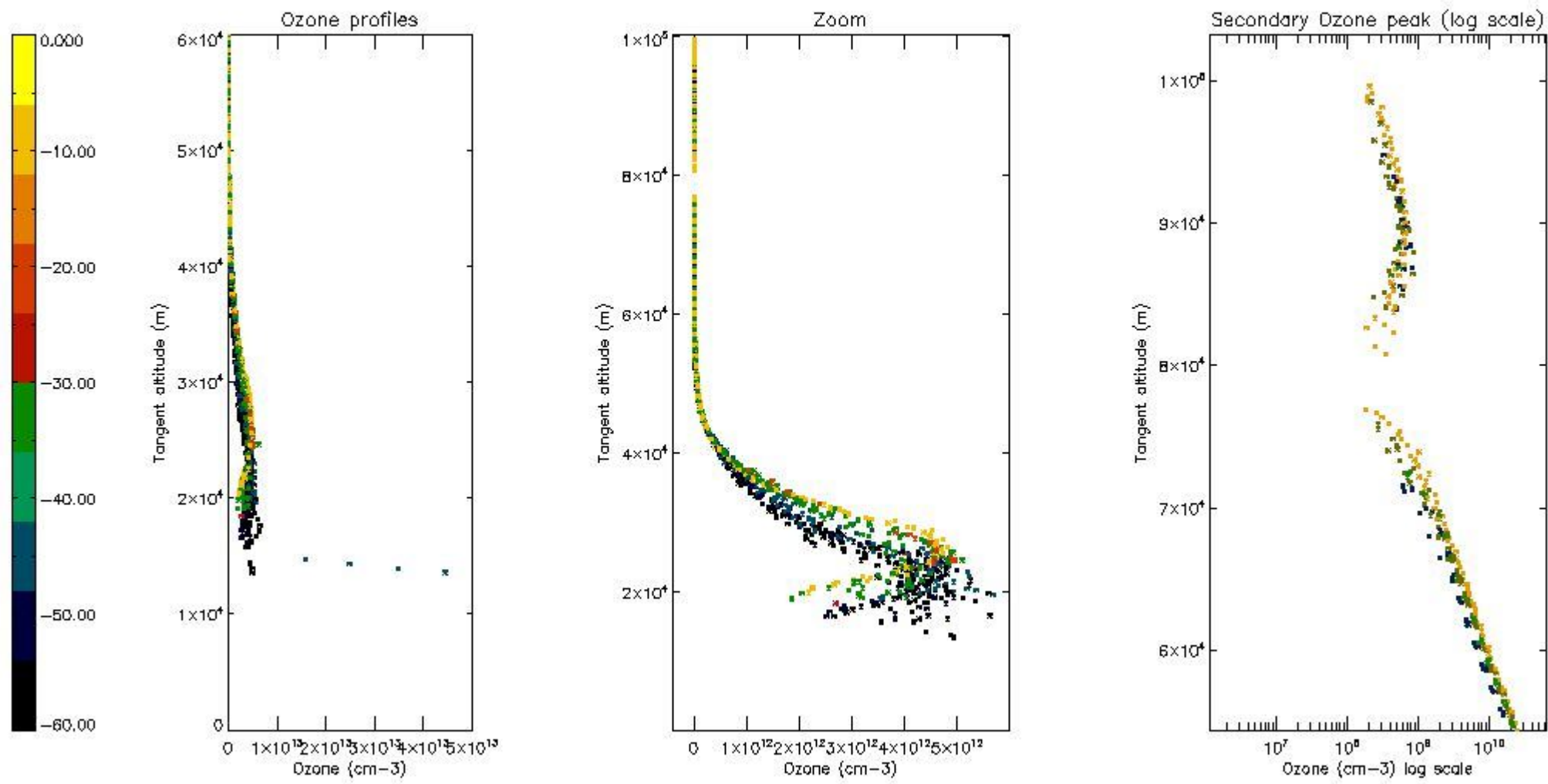
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



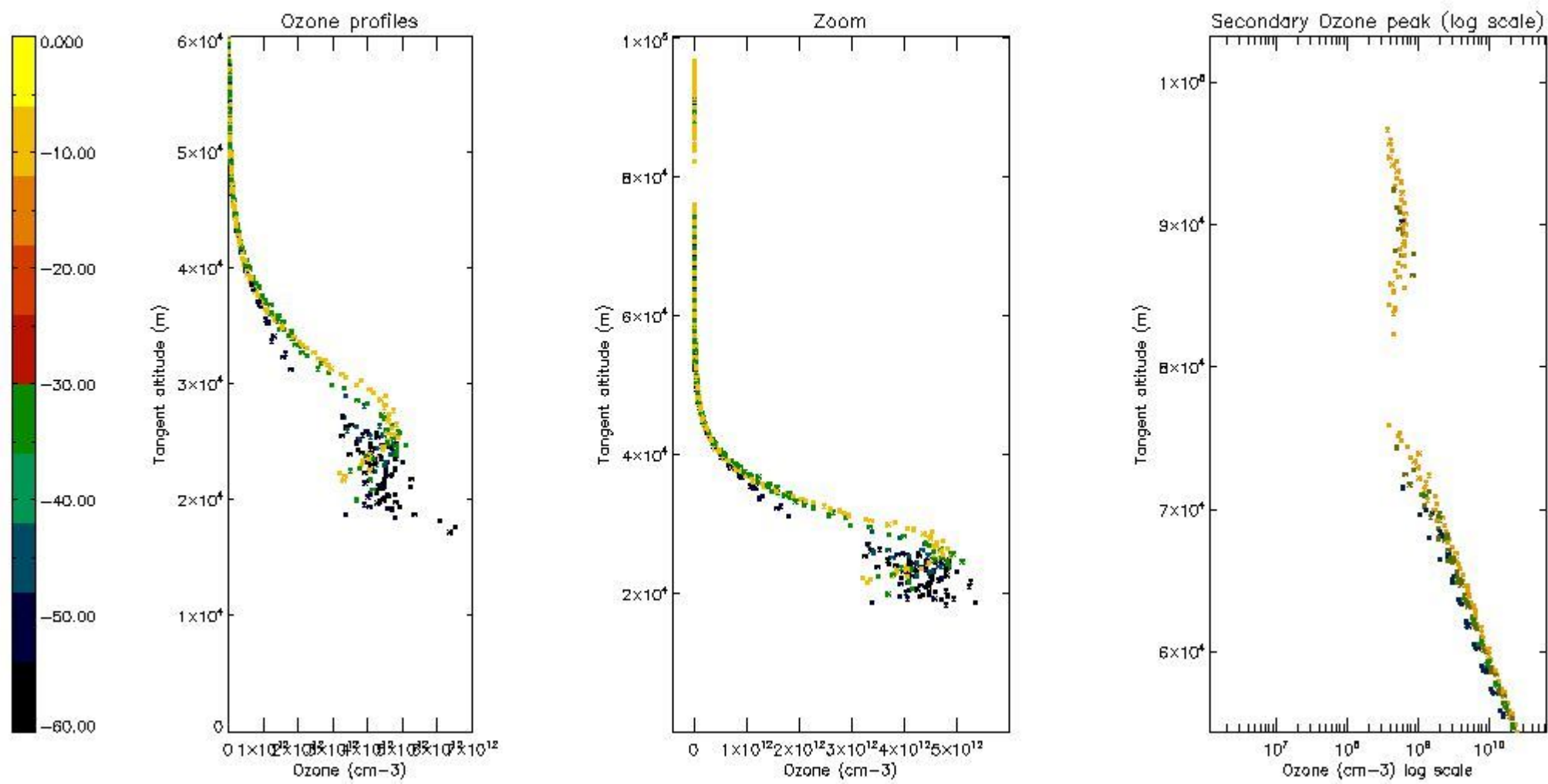
5.4 Plot ozone profiles where $STD < 10\%$ (dark without errors)

The colorbar represents the latitude.



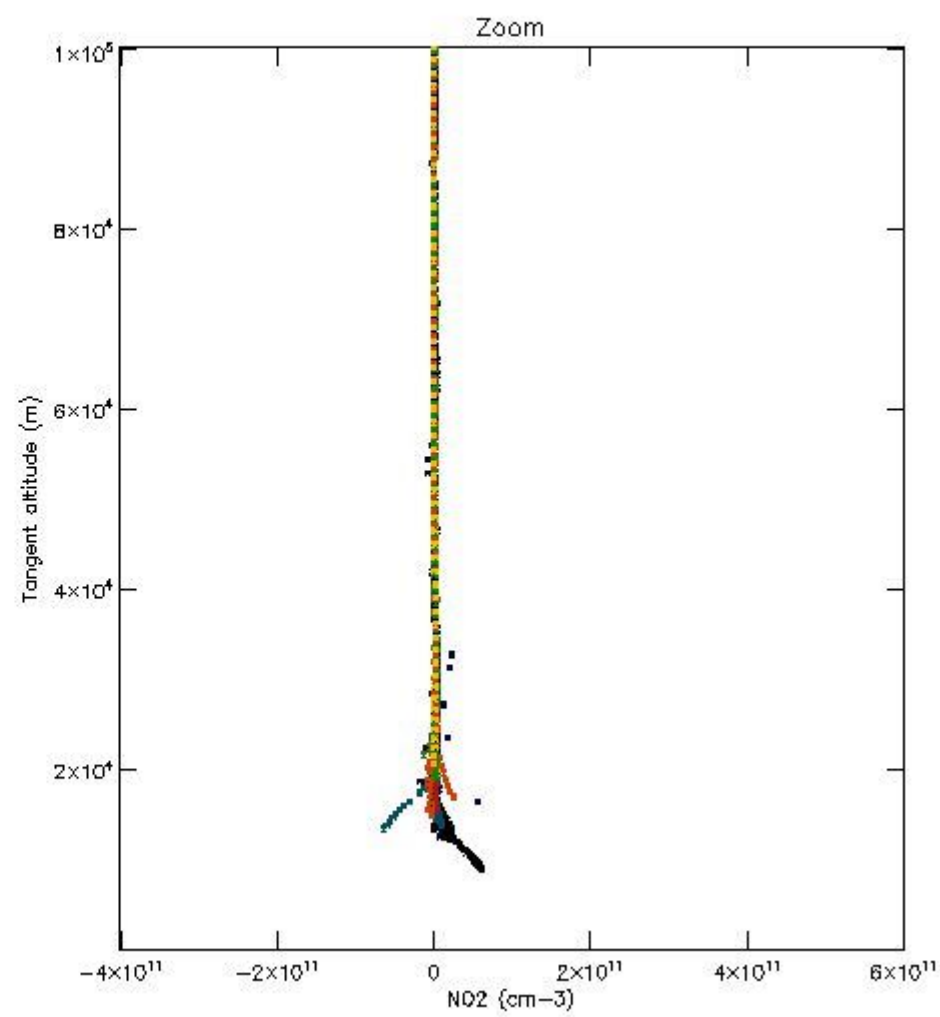
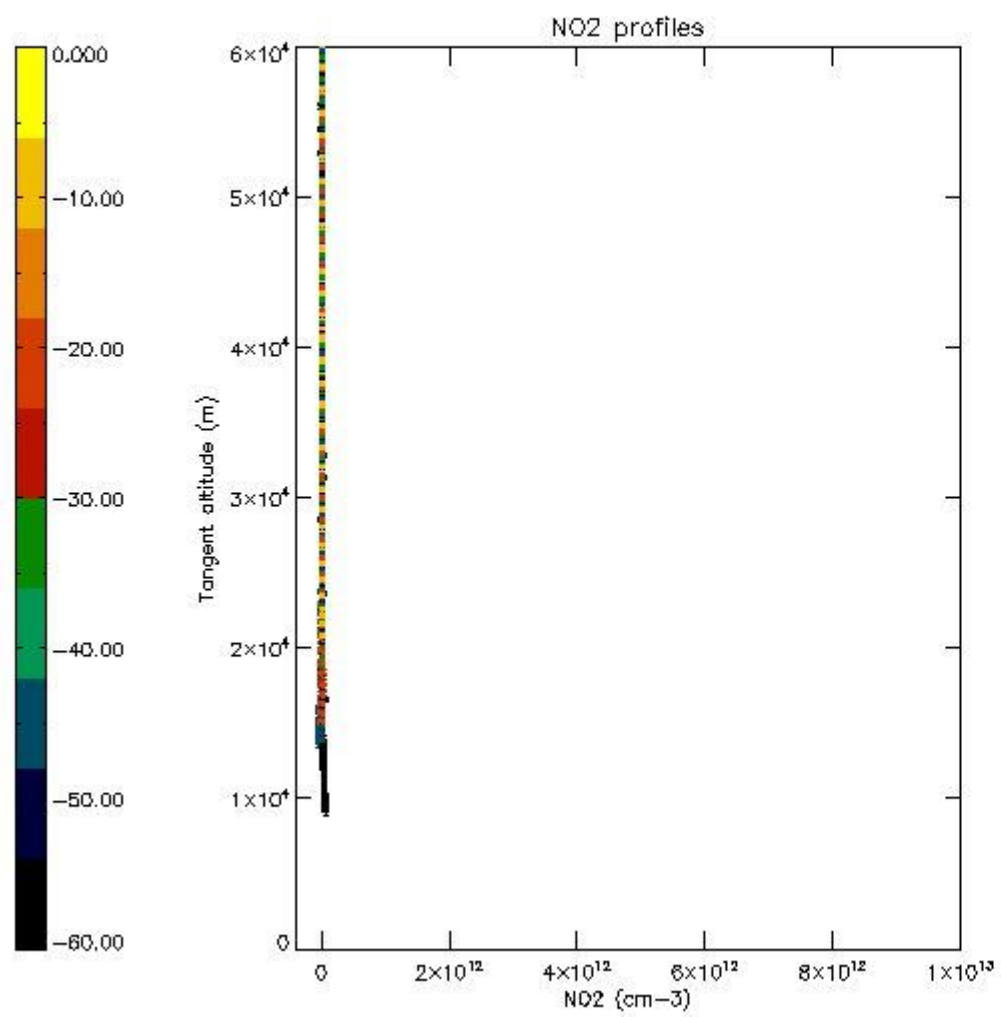
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



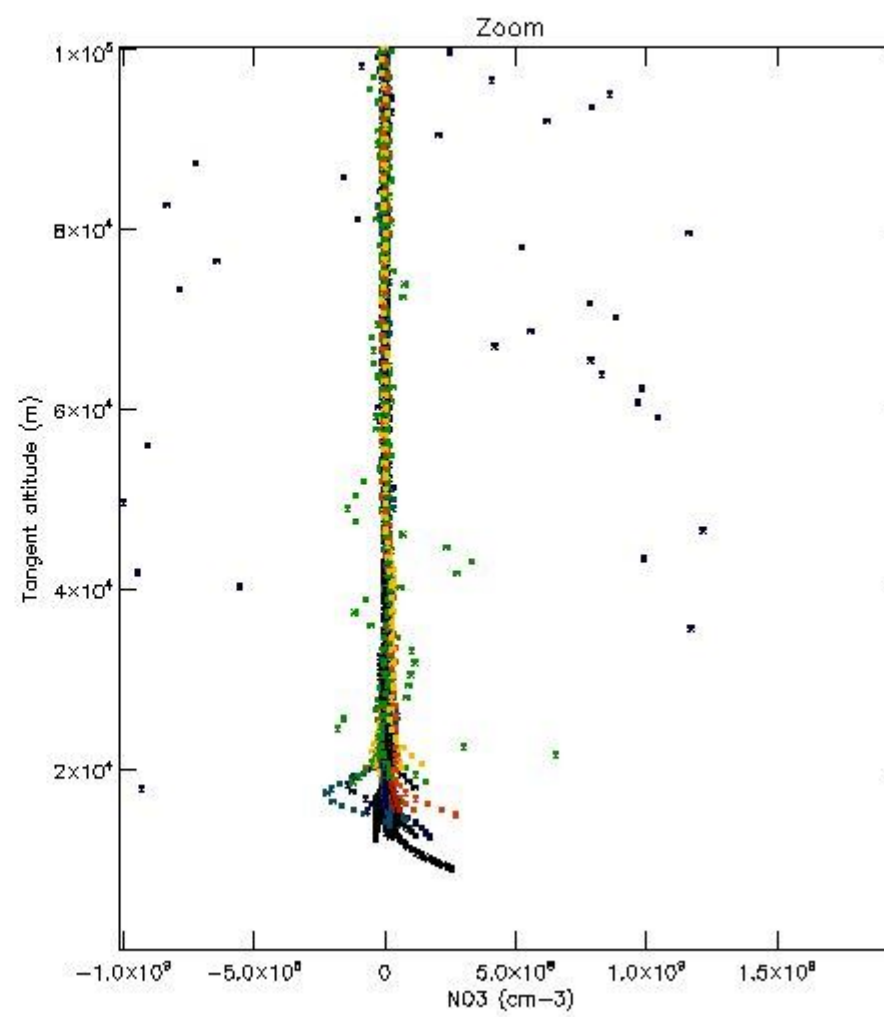
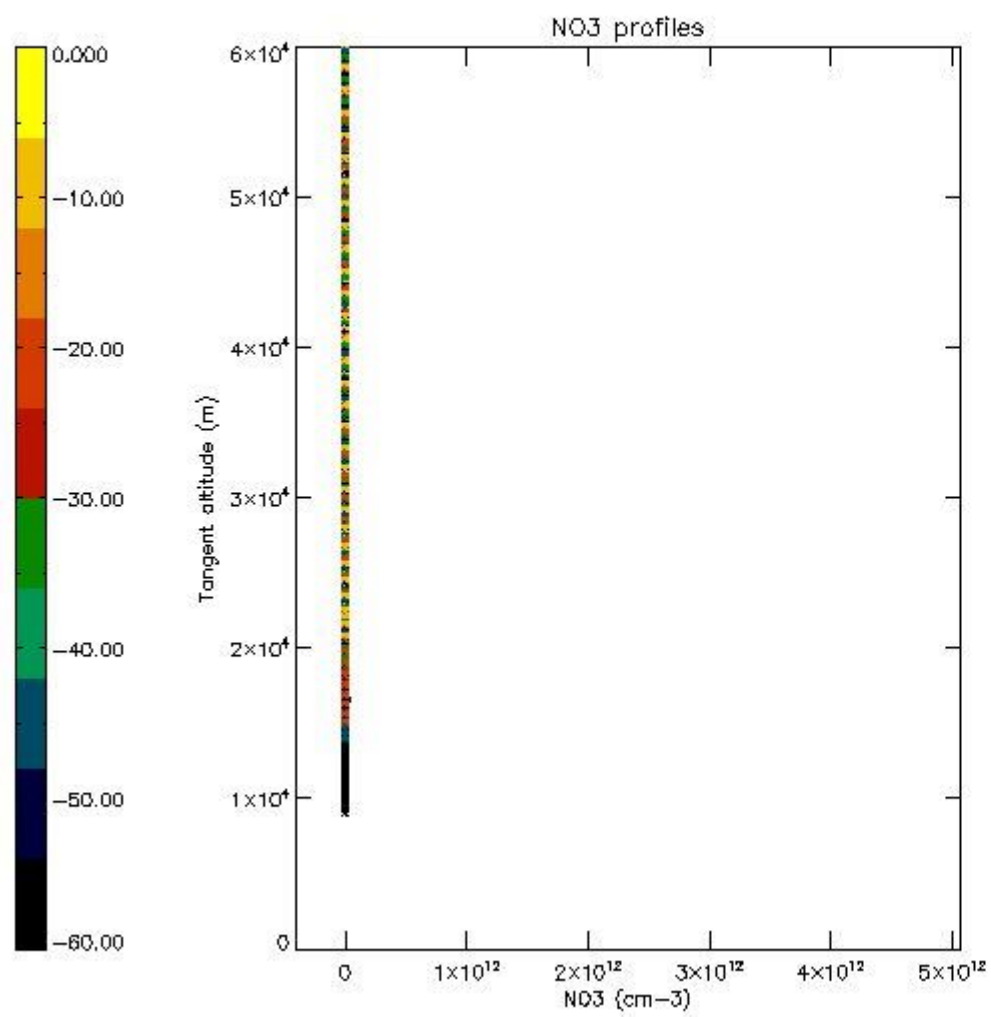
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



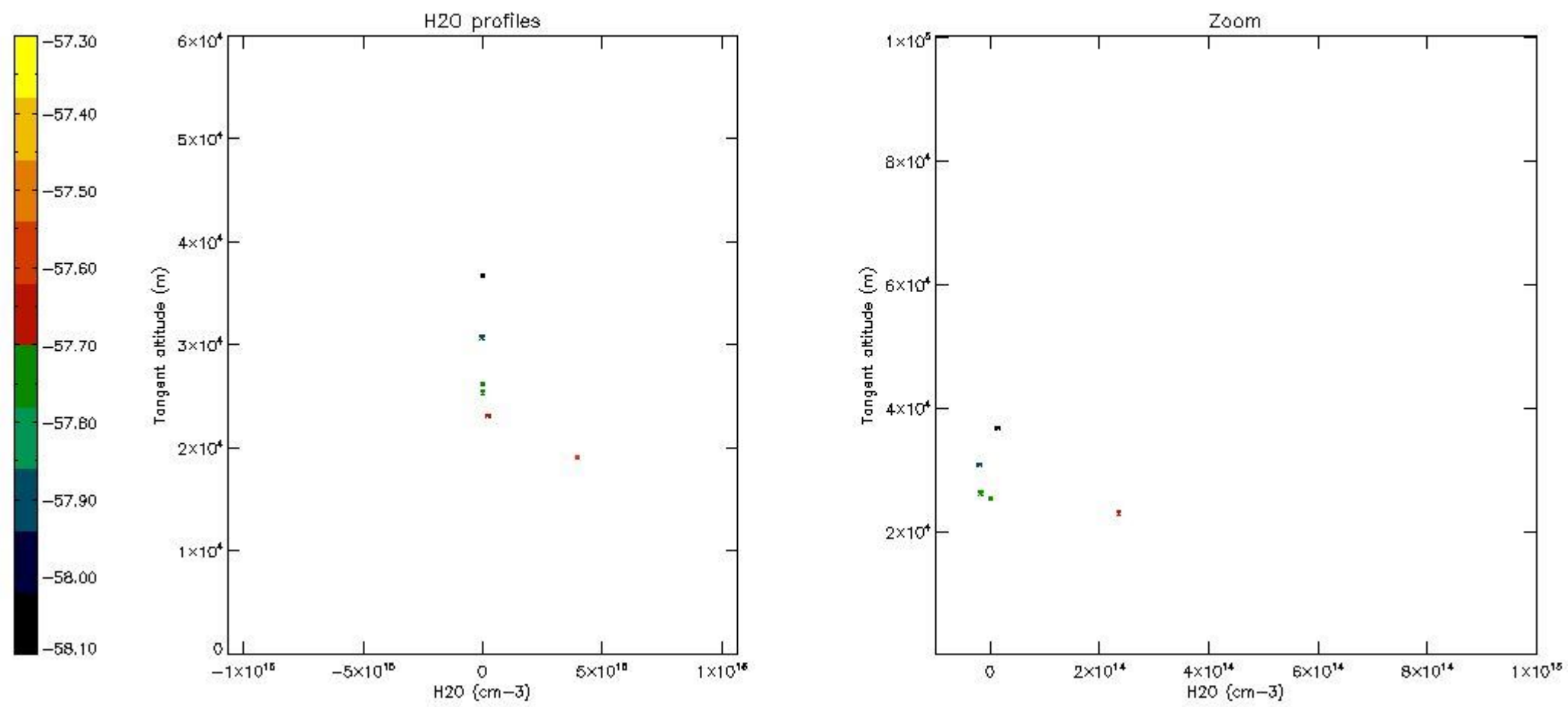
5.7 Plot NO3 profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

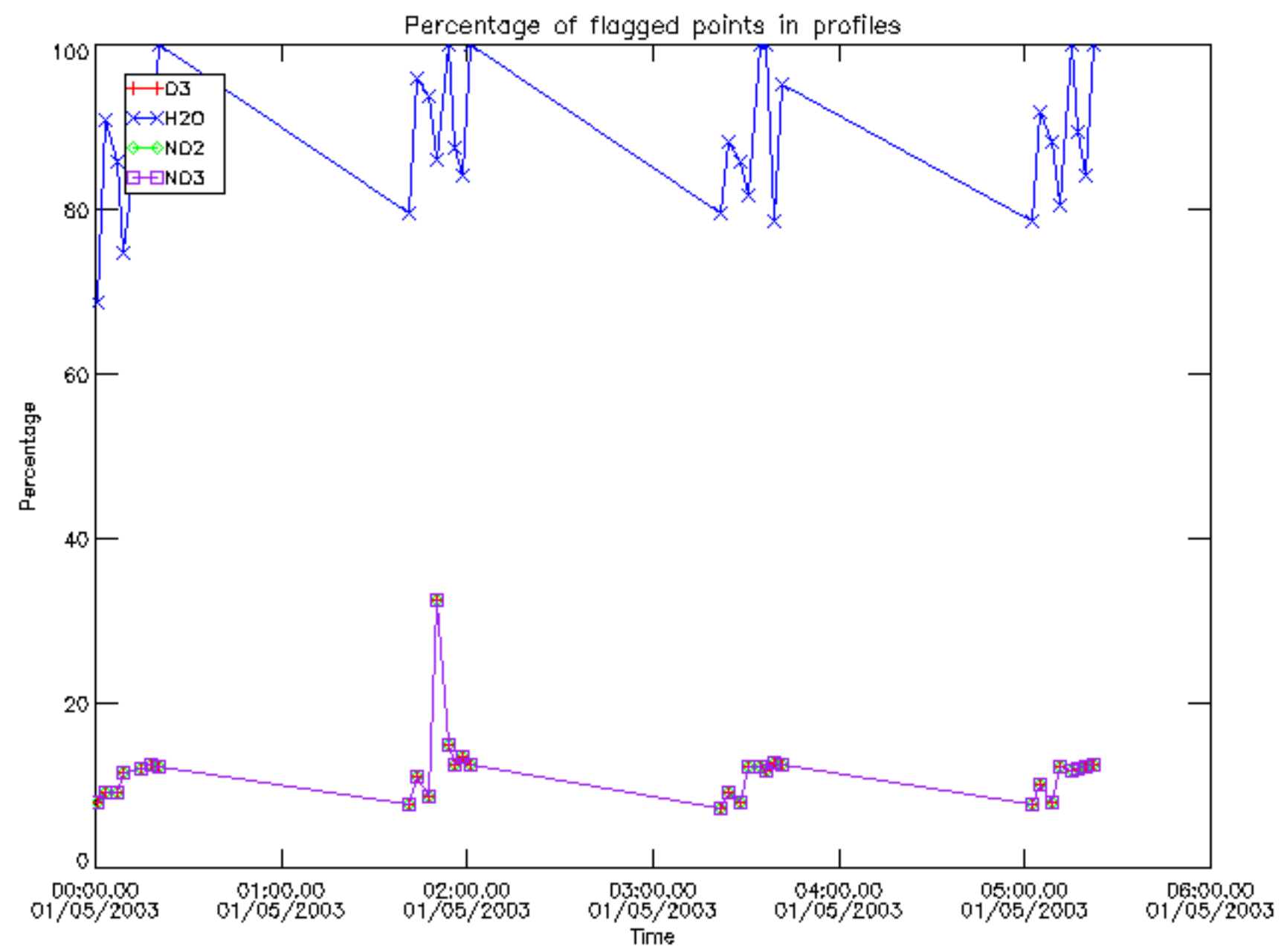
The colorbar represents the latitude.



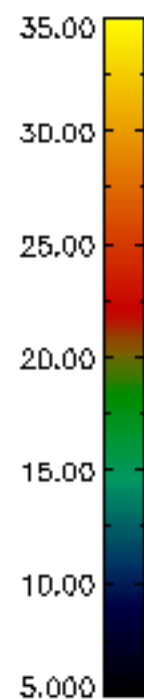
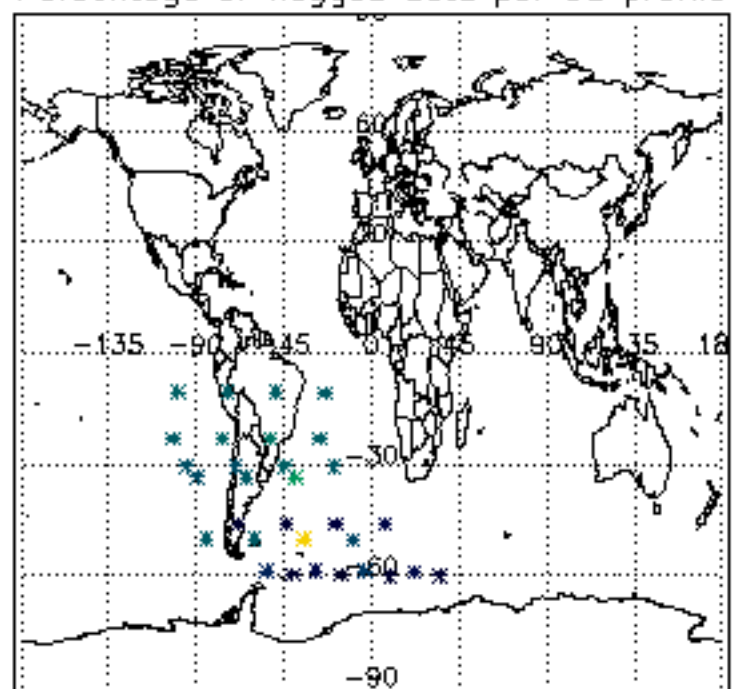
6. Auxiliary Data Files used for the production reported in section 2

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

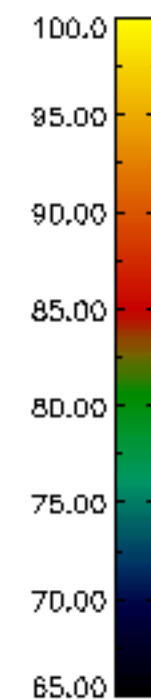
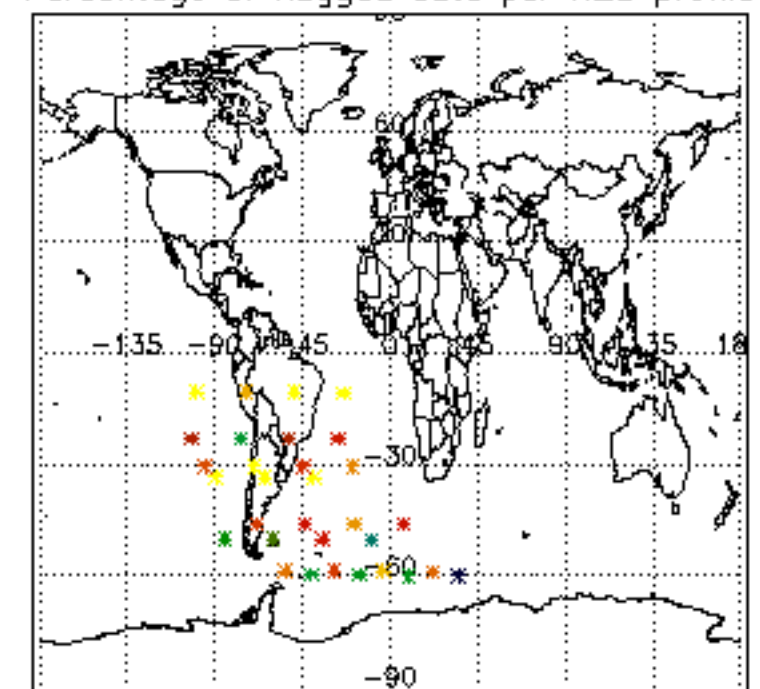
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXNIEC20050627_150440_20020301_000000_20100101_000000	1	01-MAY-2003 00:00:43
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	01-MAY-2003 00:00:43
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	01-MAY-2003 00:00:43



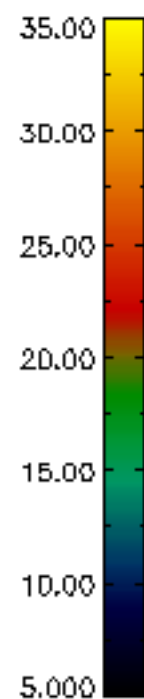
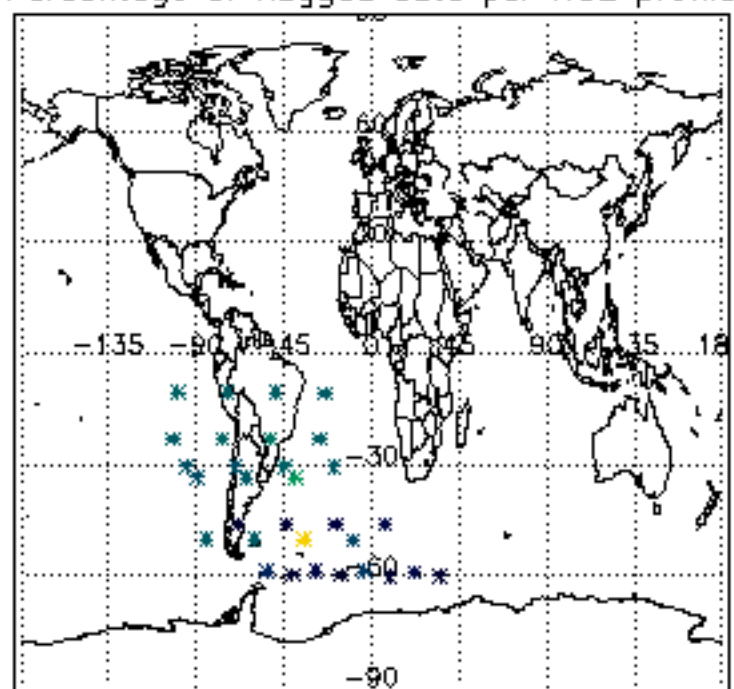
Percentage of flagged data per D3 profile



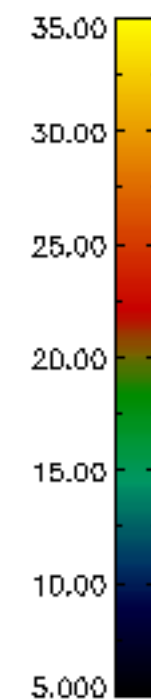
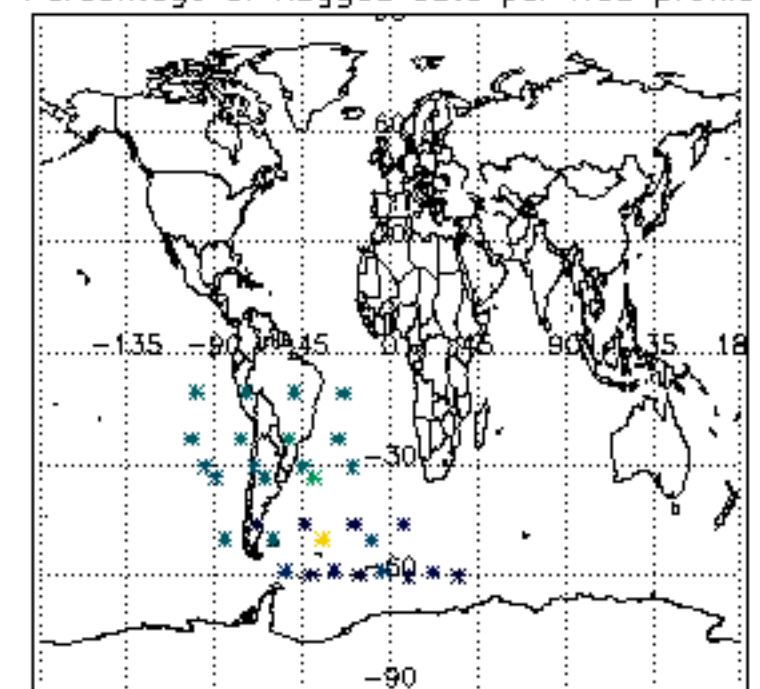
Percentage of flagged data per H2O profile

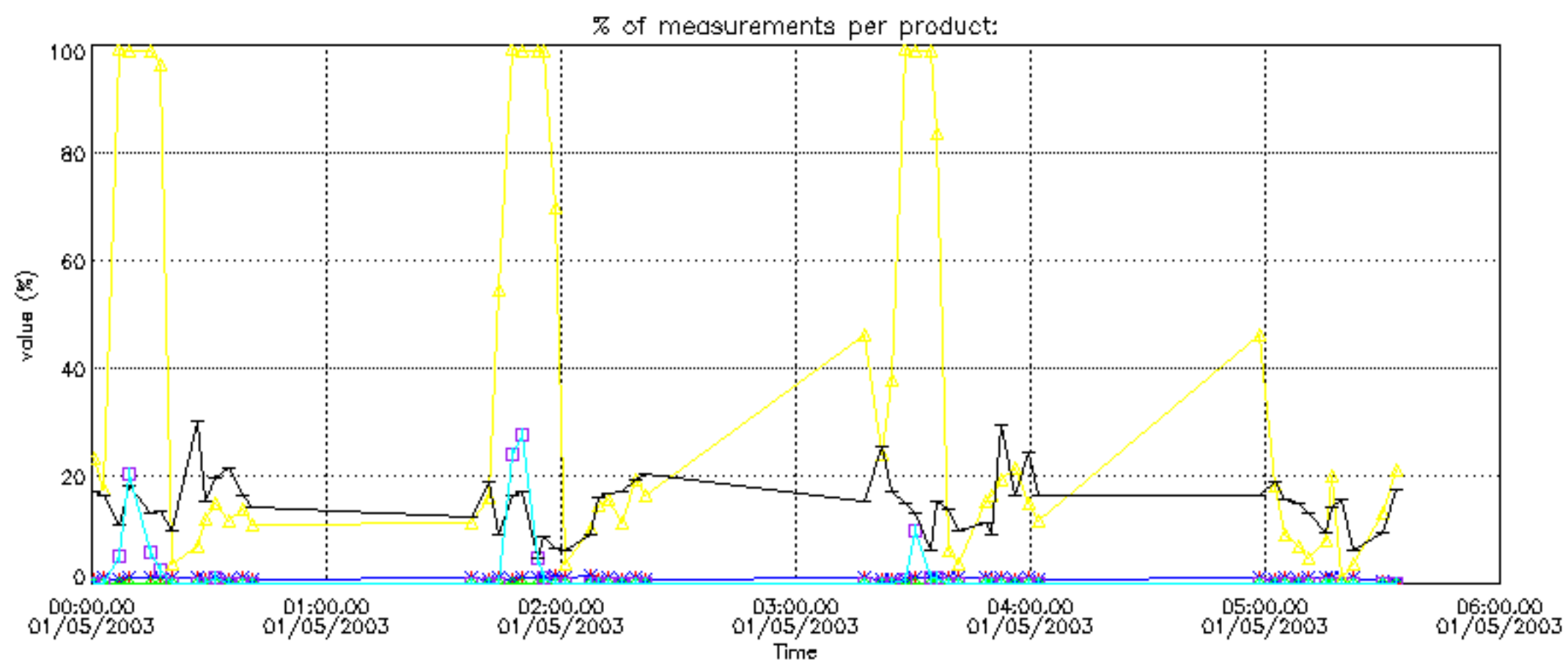


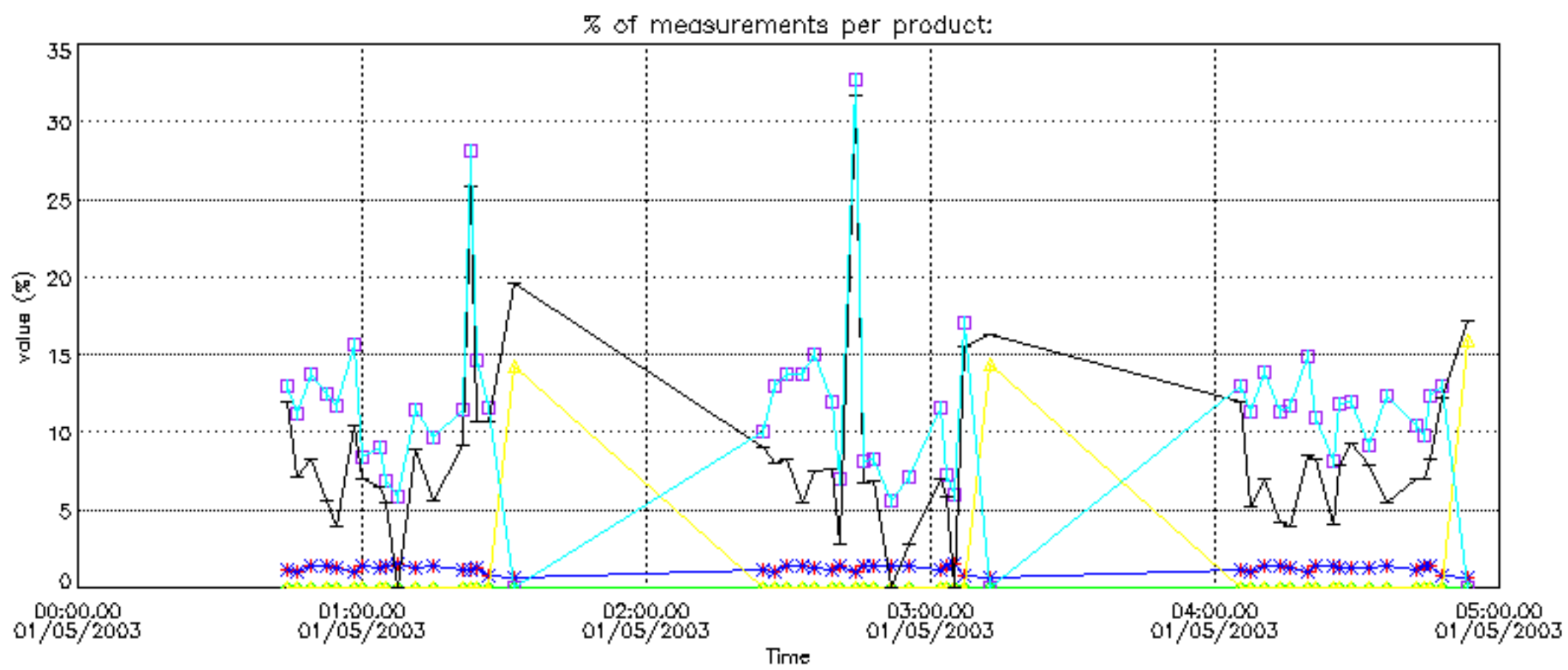
Percentage of flagged data per NO2 profile



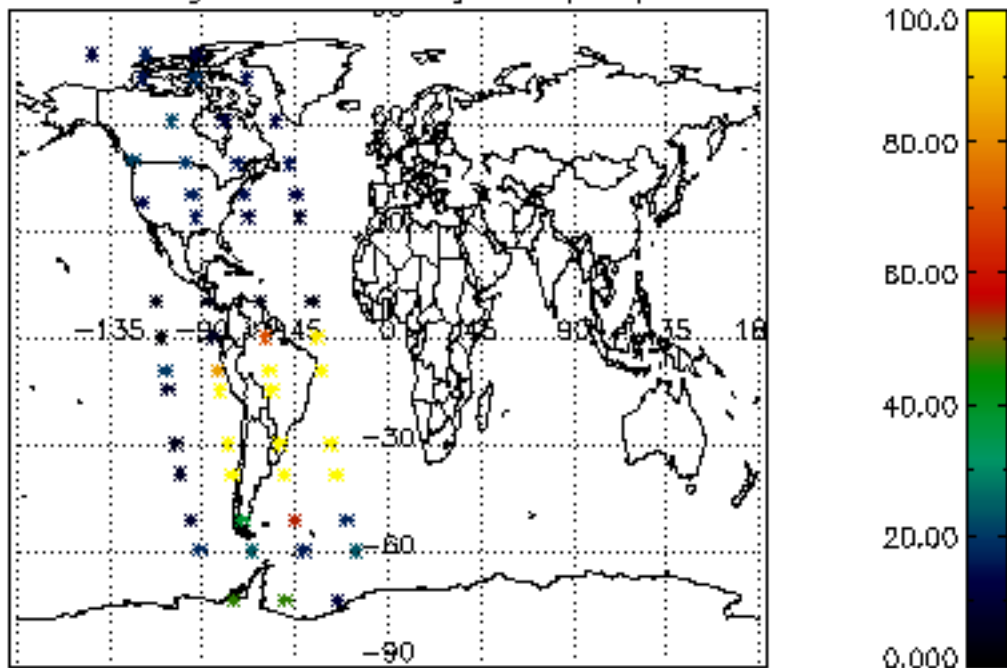
Percentage of flagged data per NO3 profile



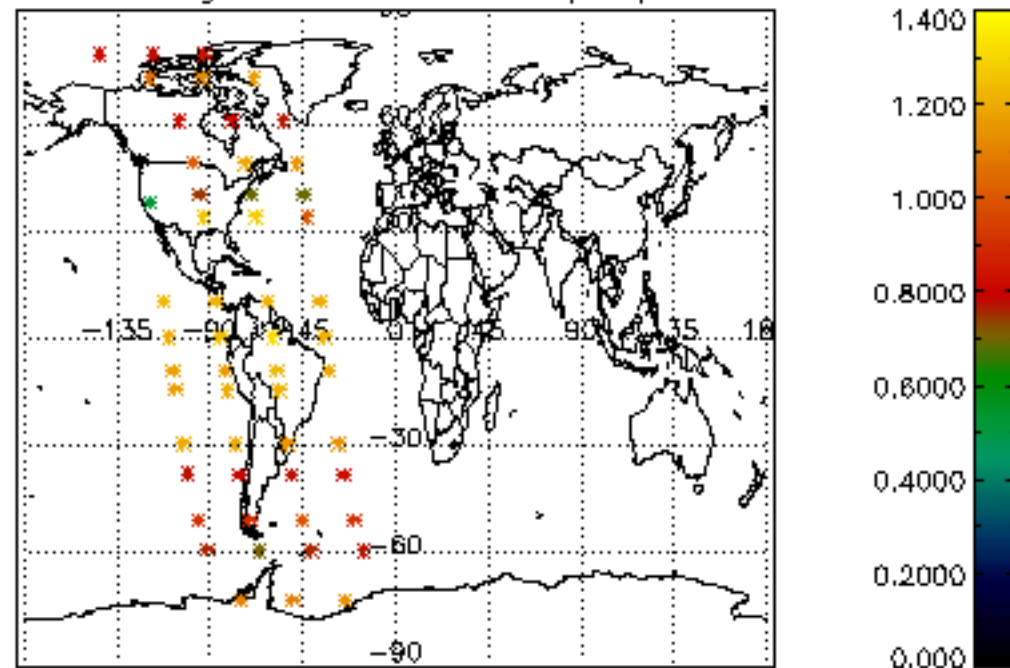




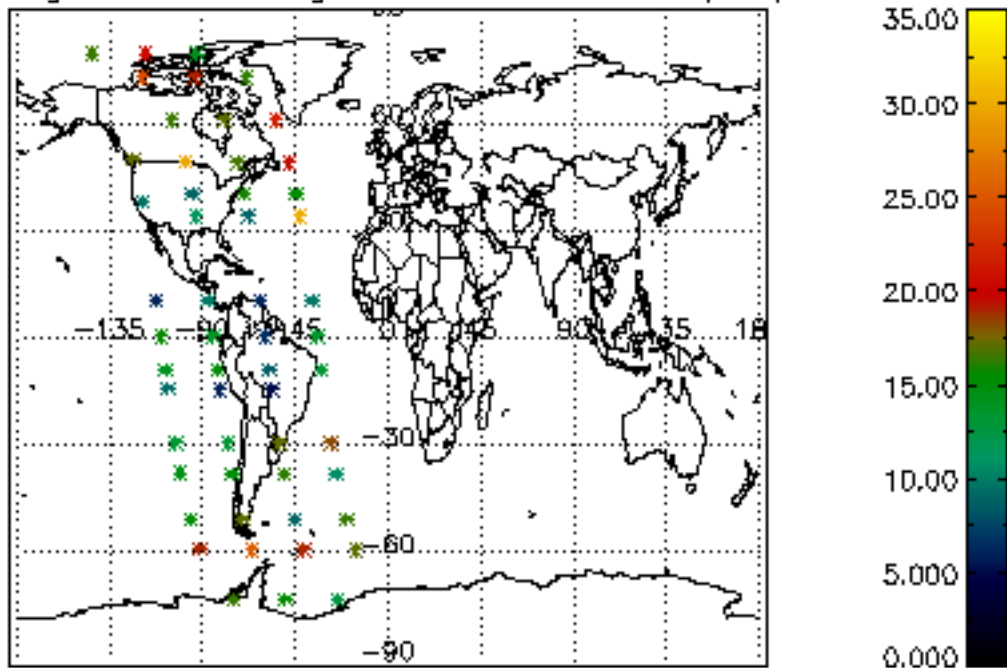
Percentage of cosmic ray hits per profile



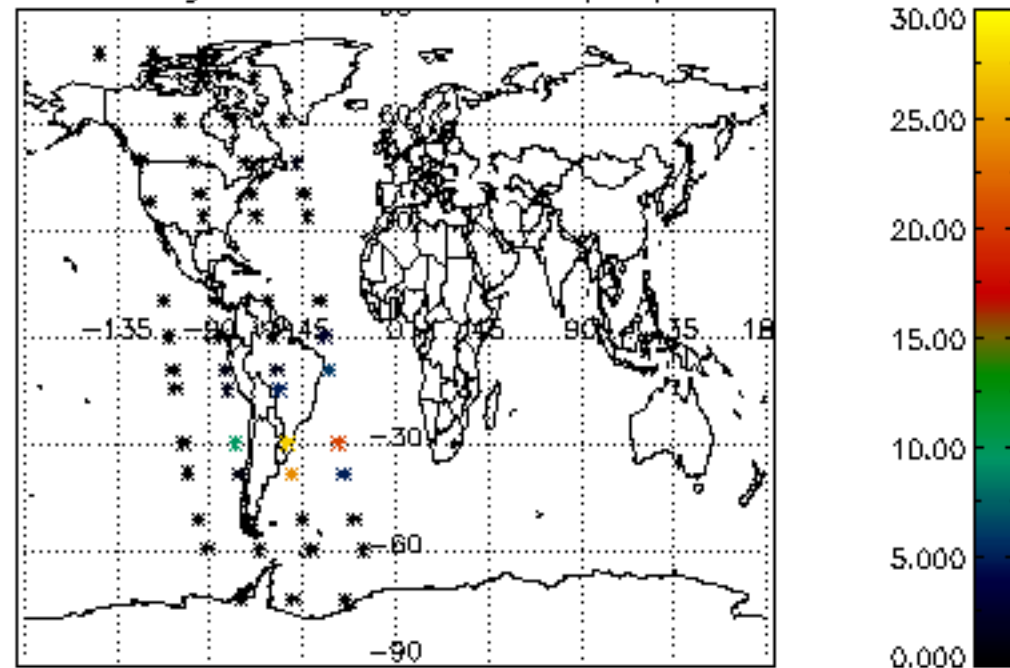
Percentage of datation errors per profile



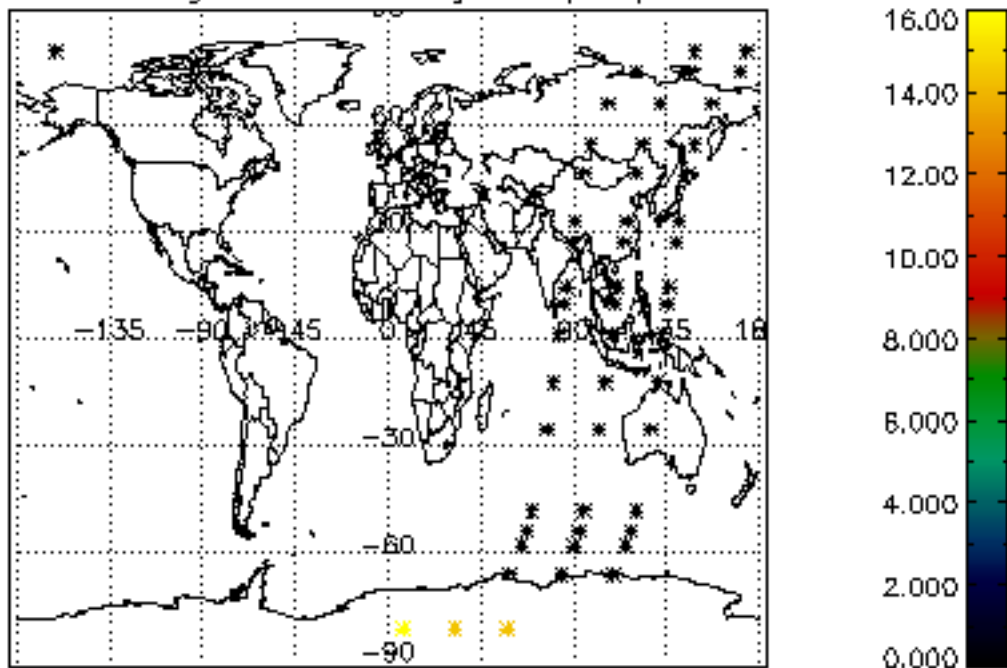
Percentage of star falling outside central band per profile



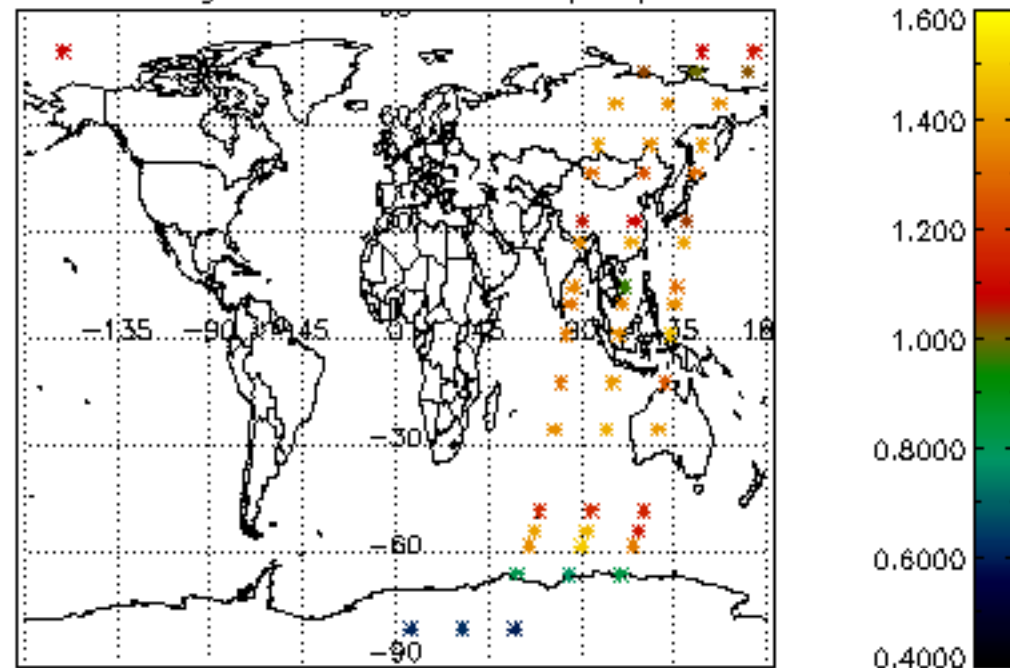
Percentage of saturation errors per profile



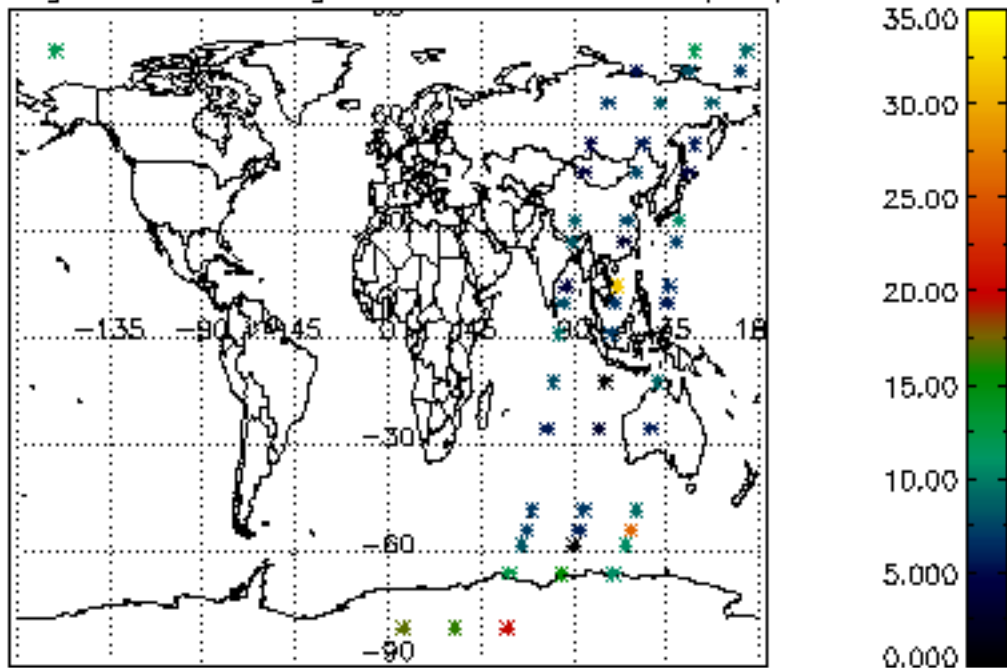
Percentage of cosmic ray hits per profile



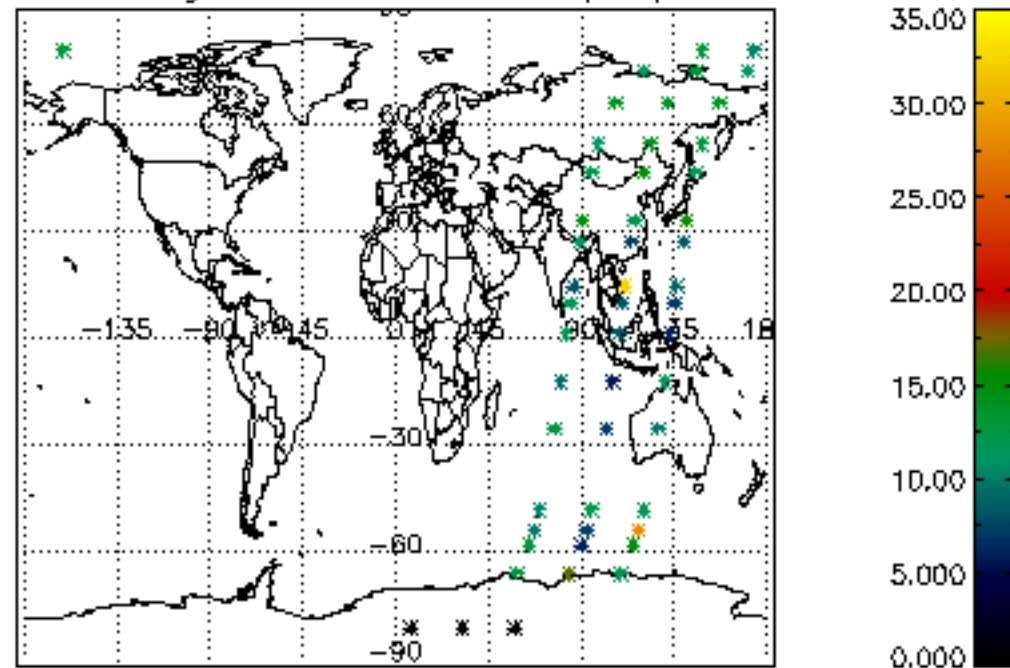
Percentage of datation errors per profile

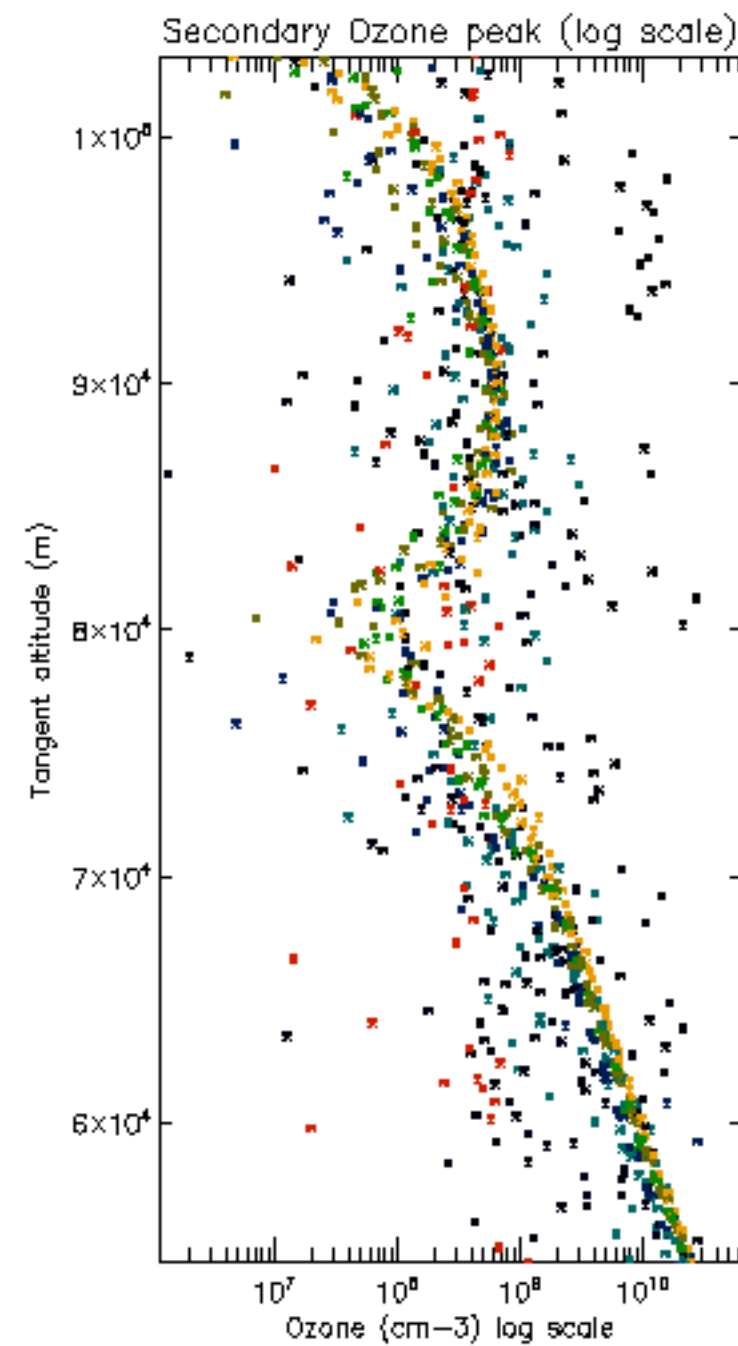
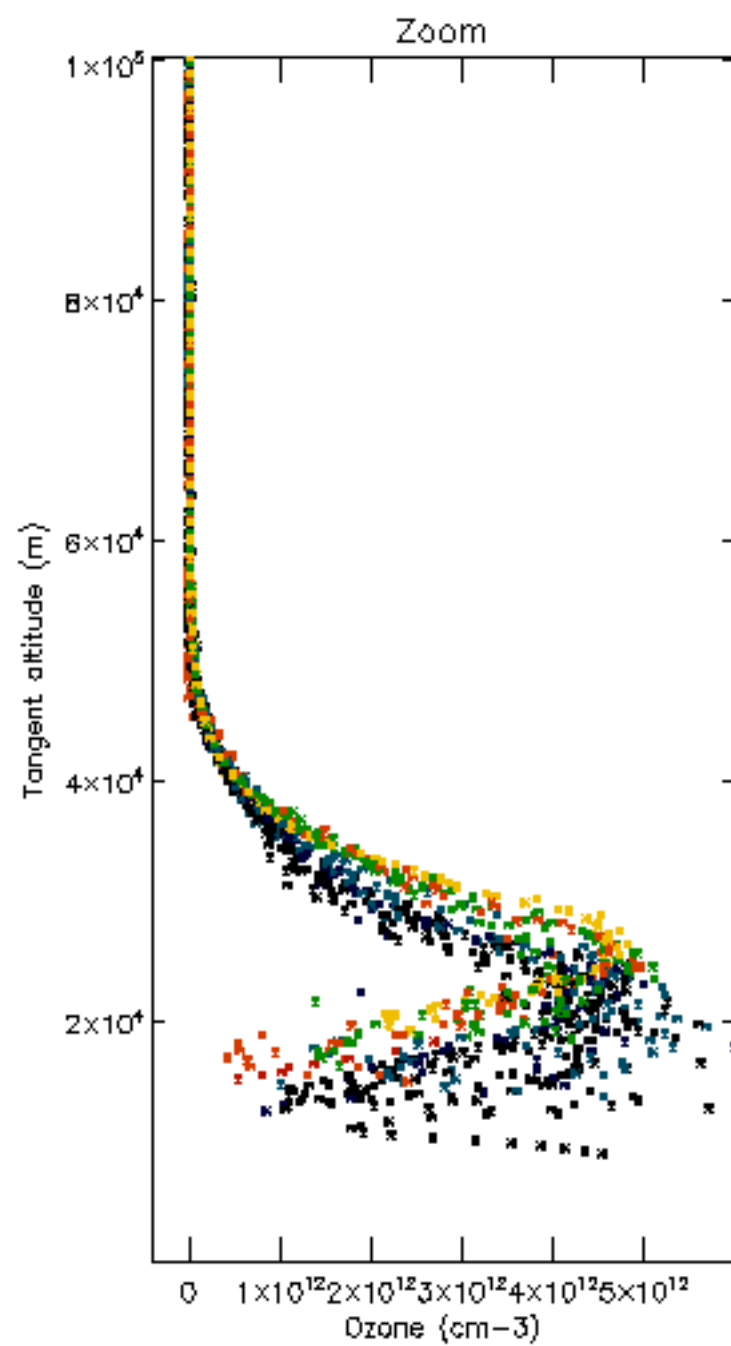
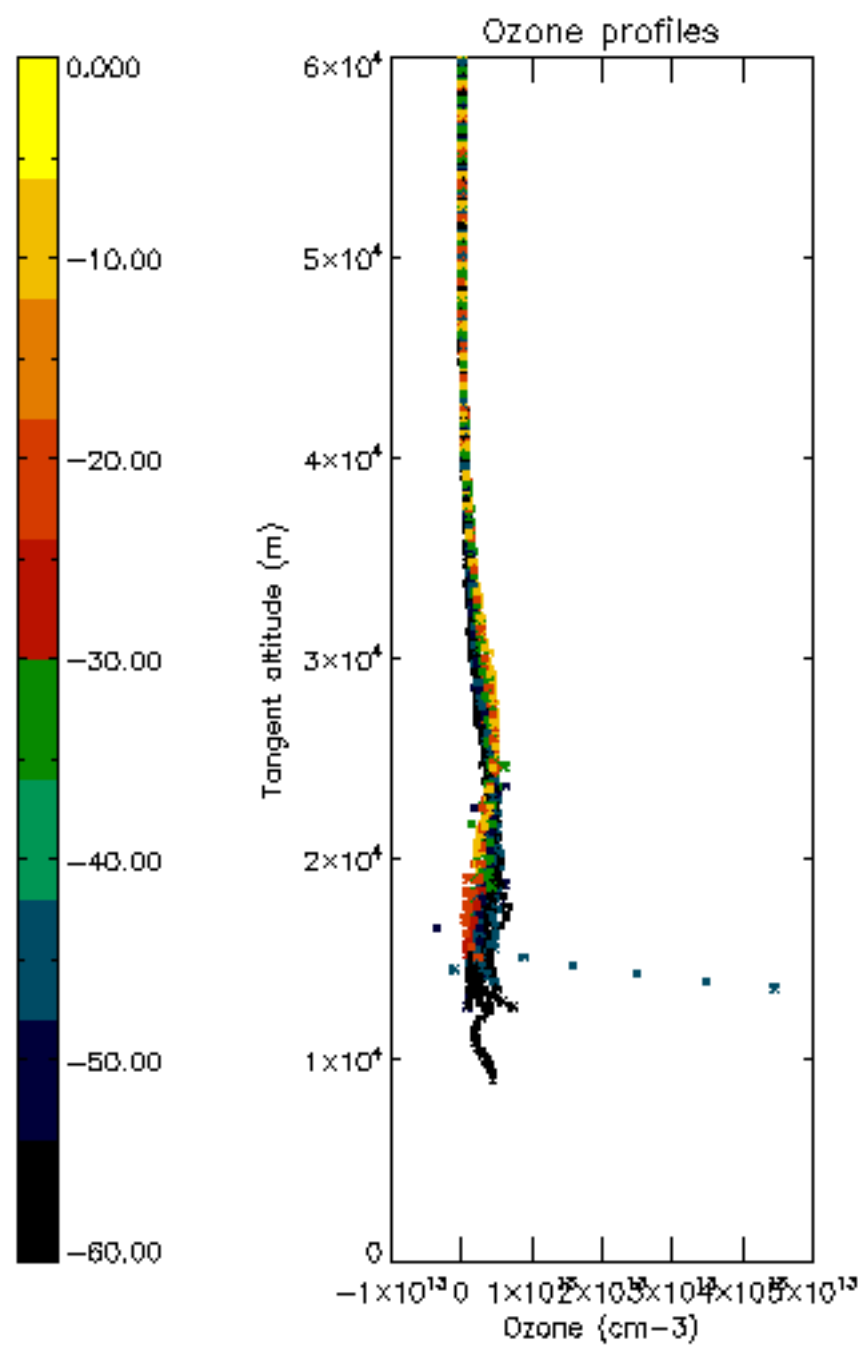


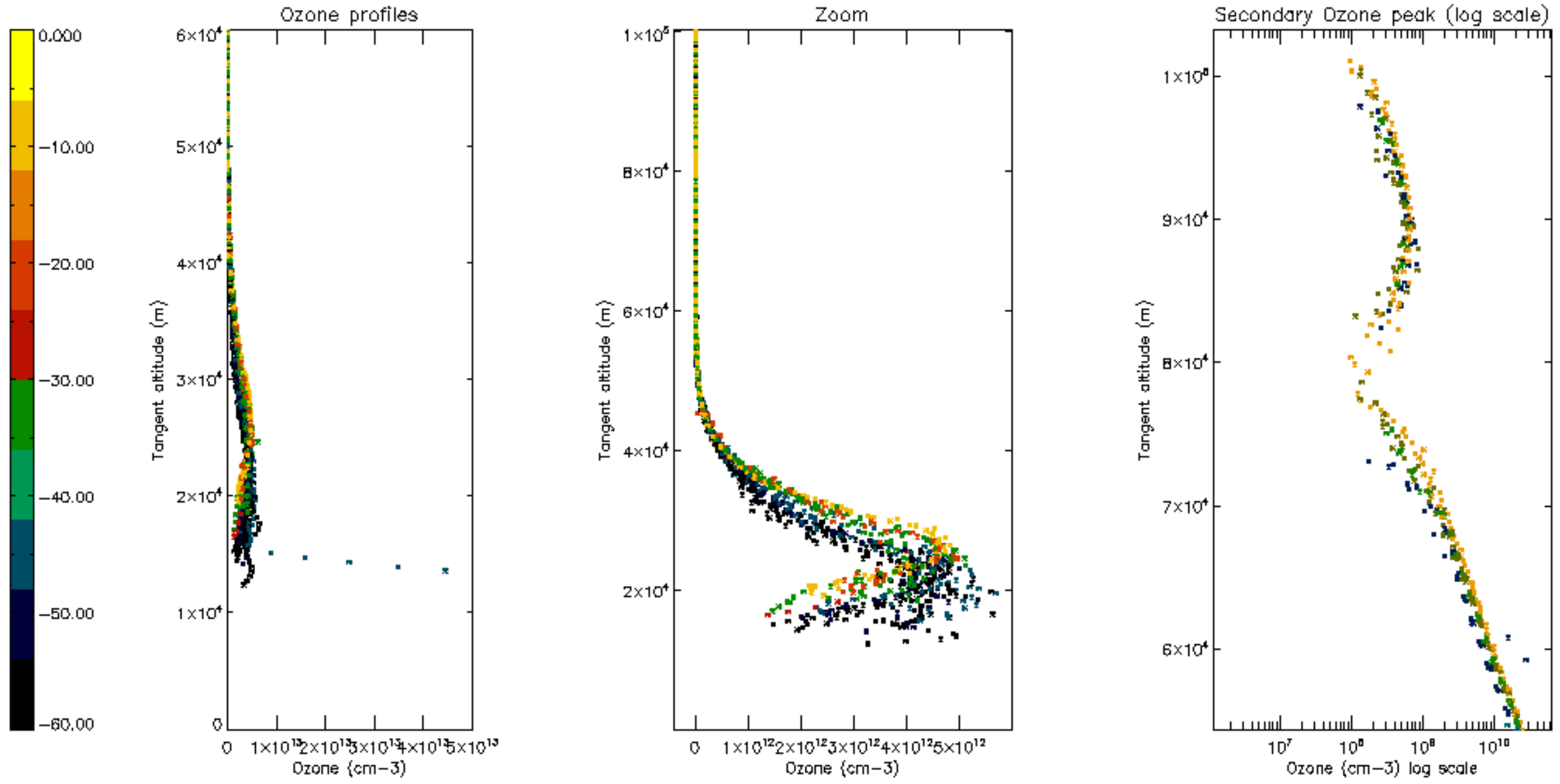
Percentage of star falling outside central band per profile

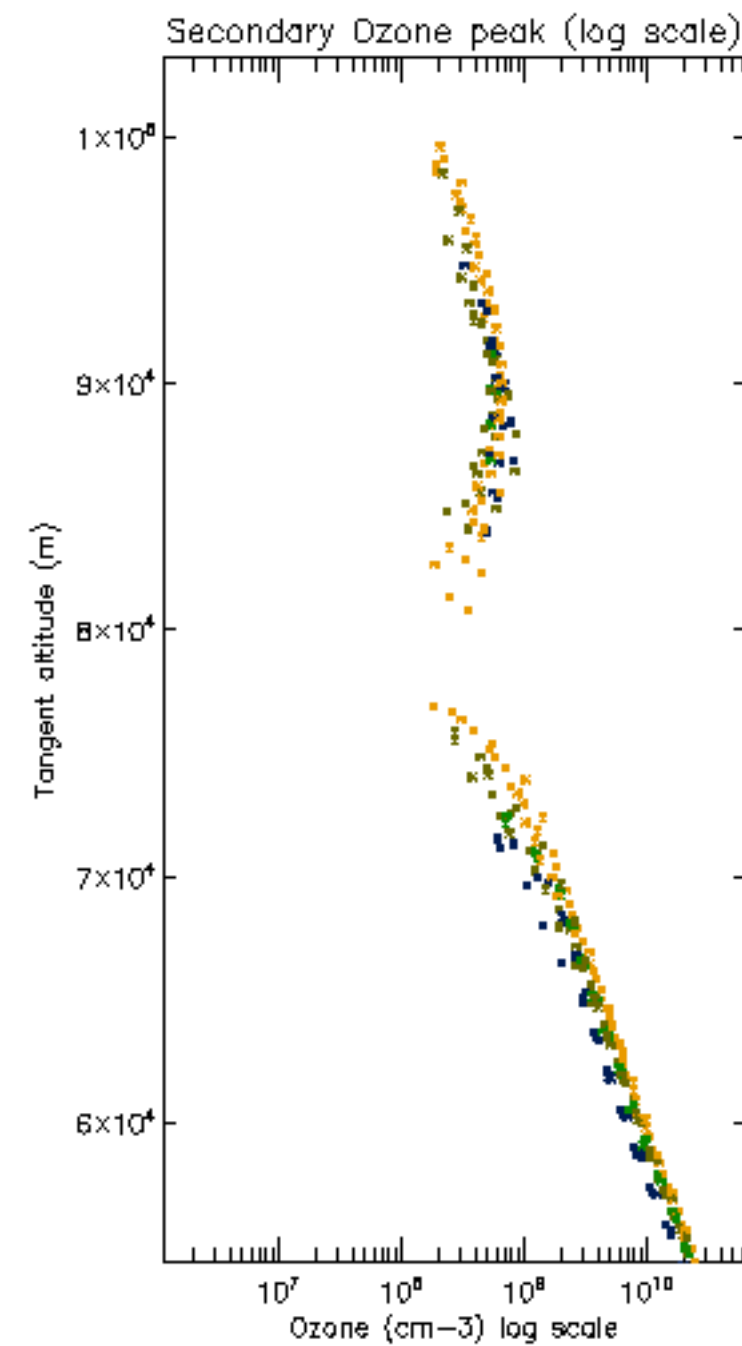
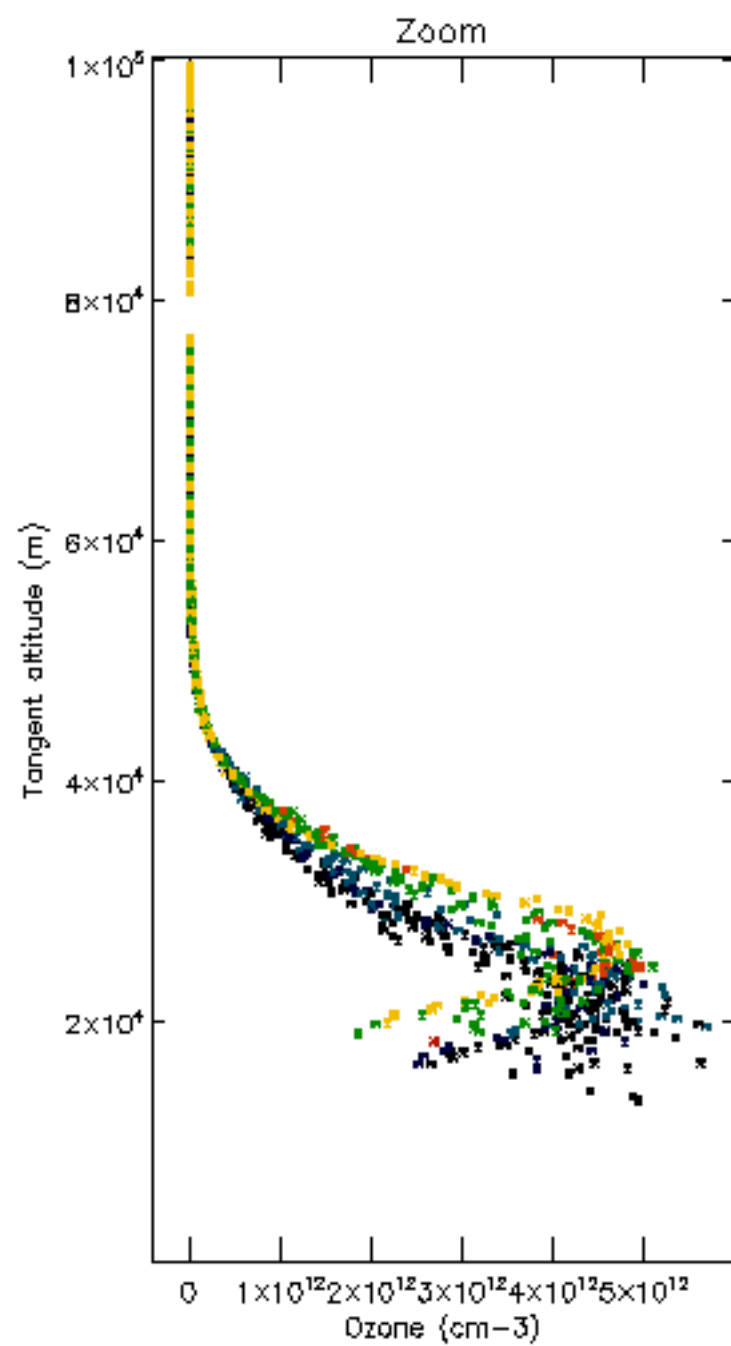
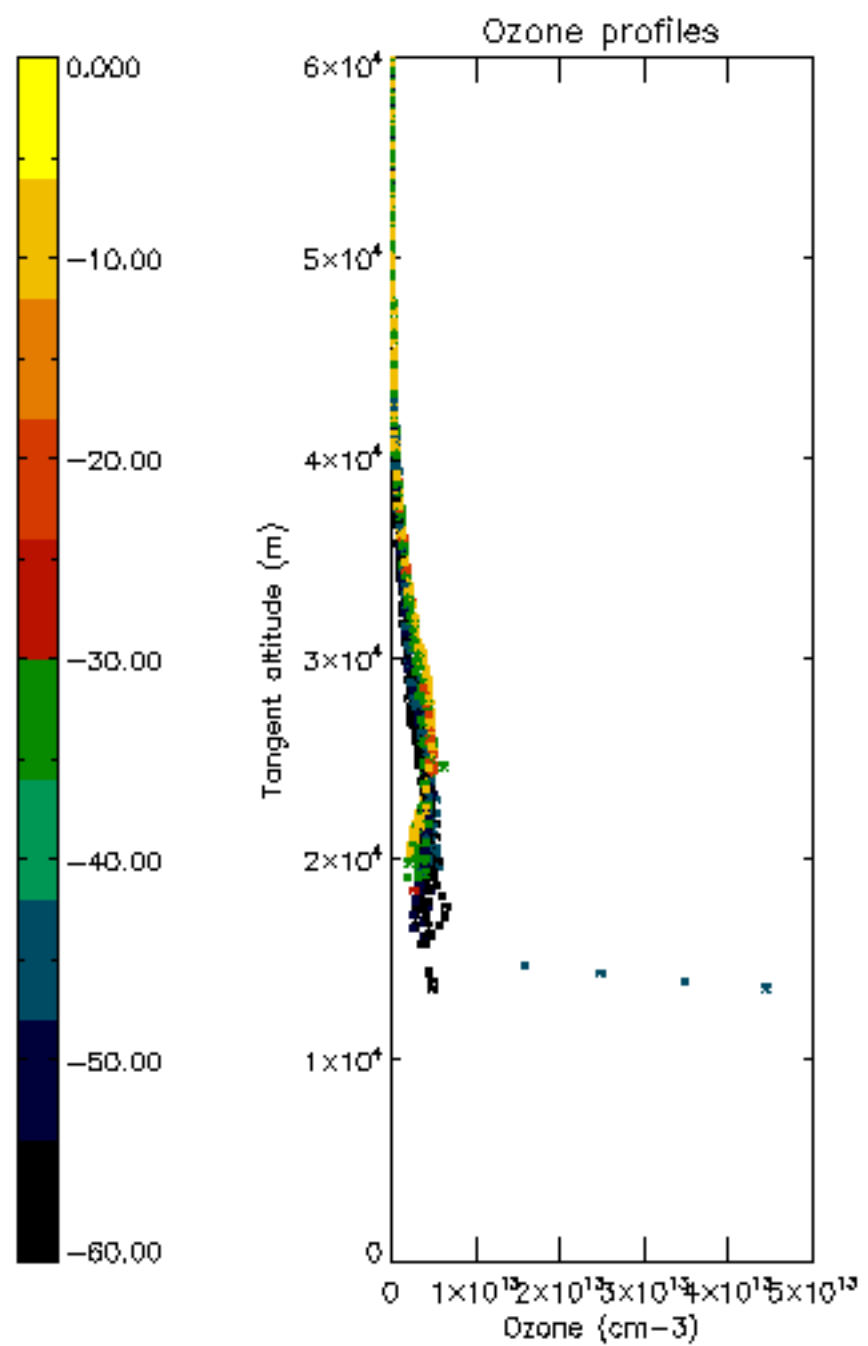


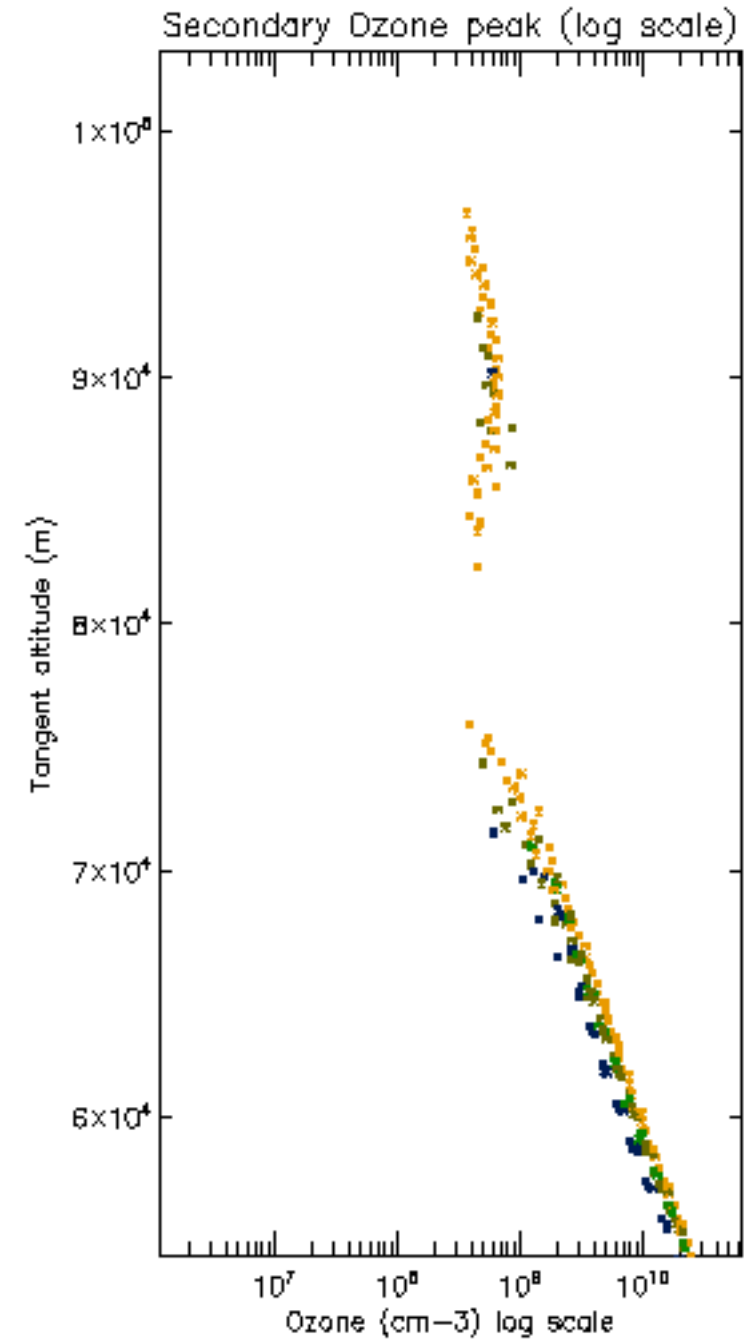
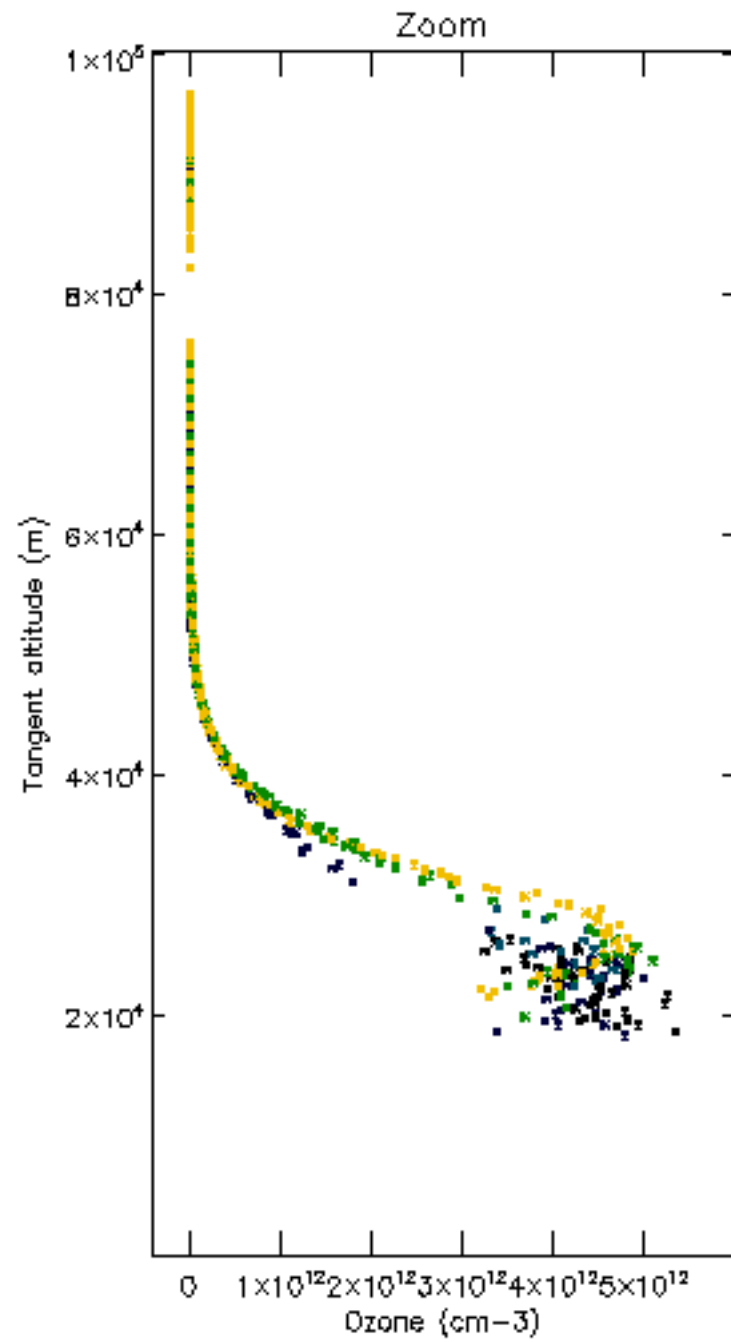
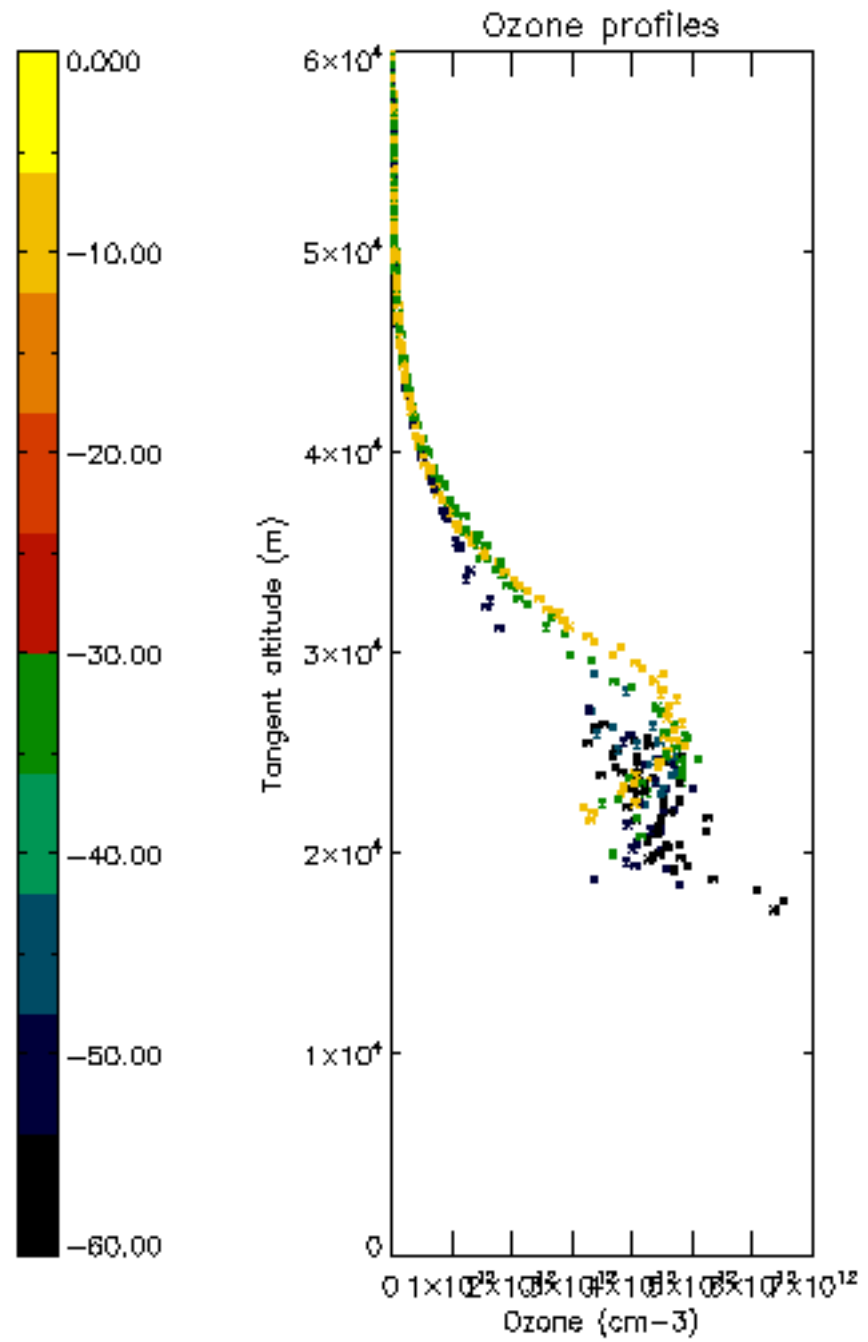
Percentage of saturation errors per profile

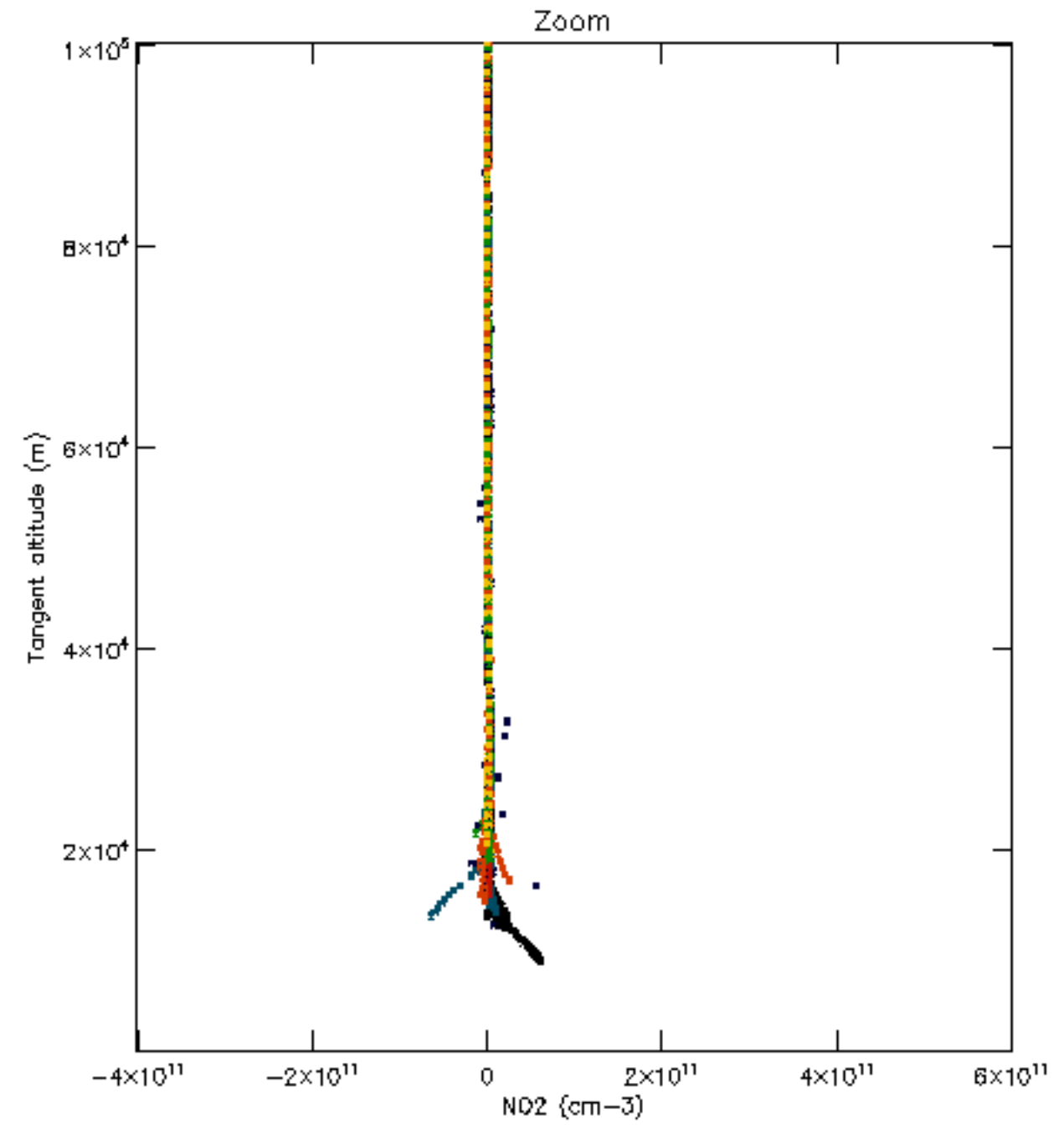
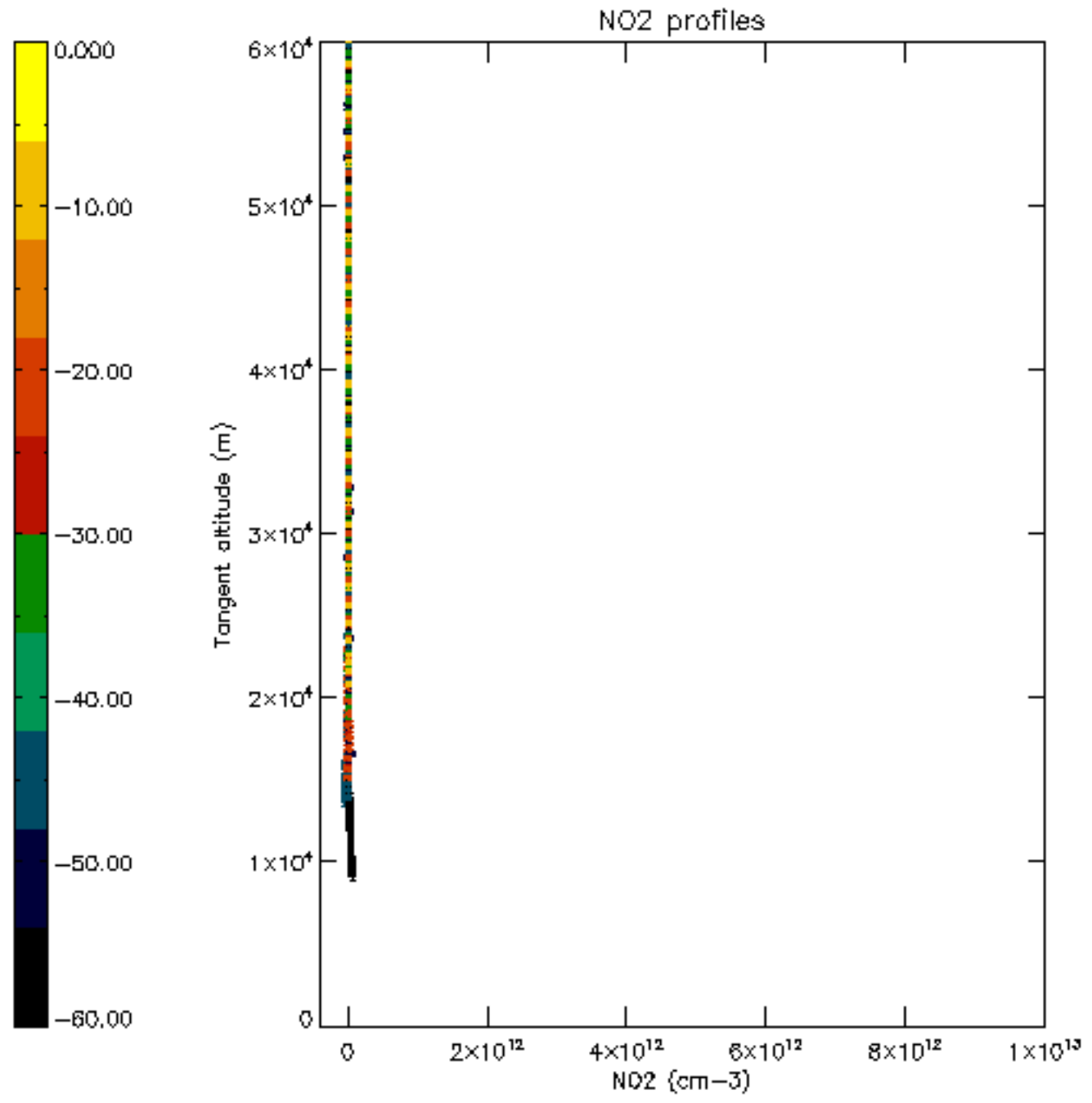


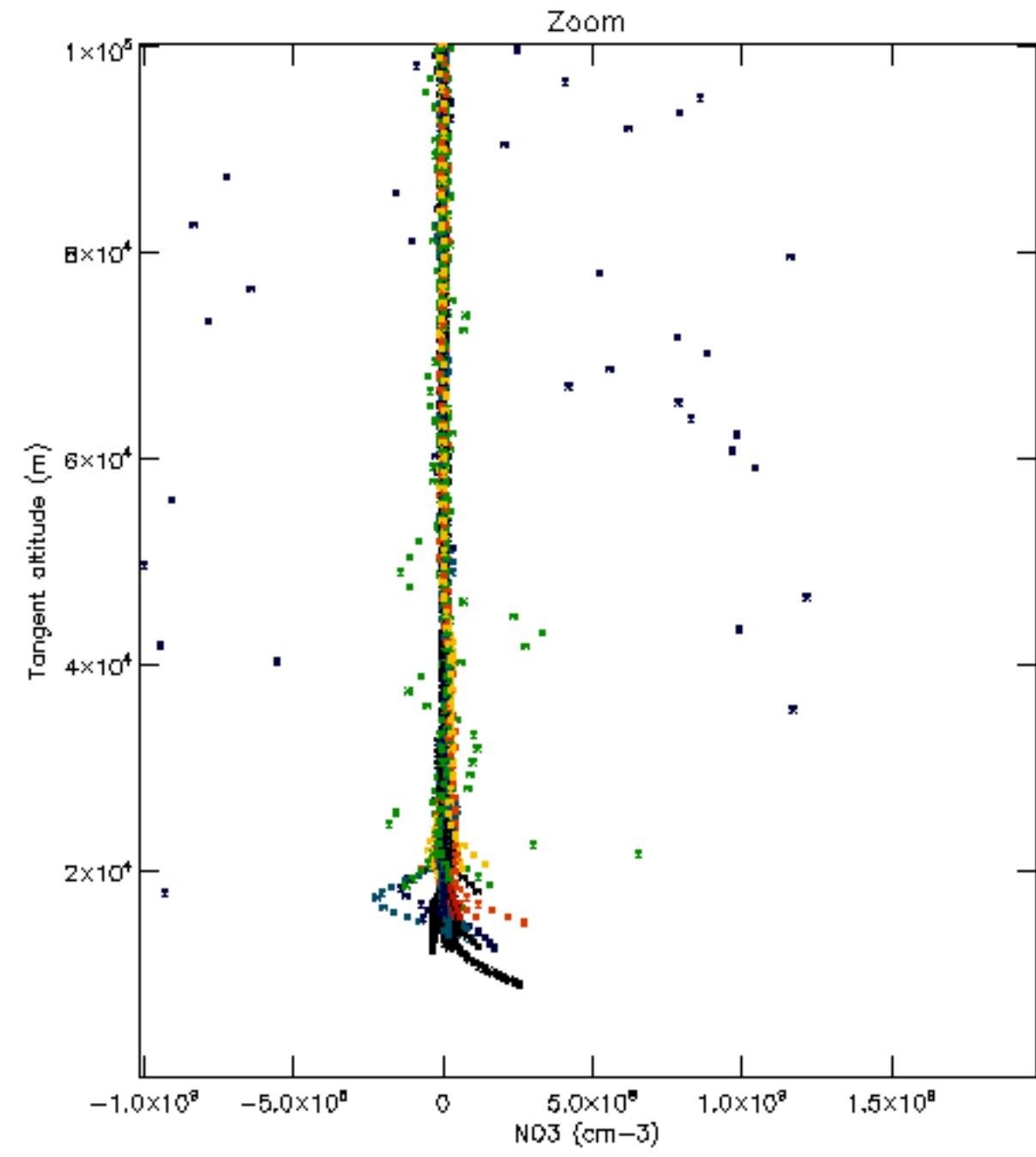
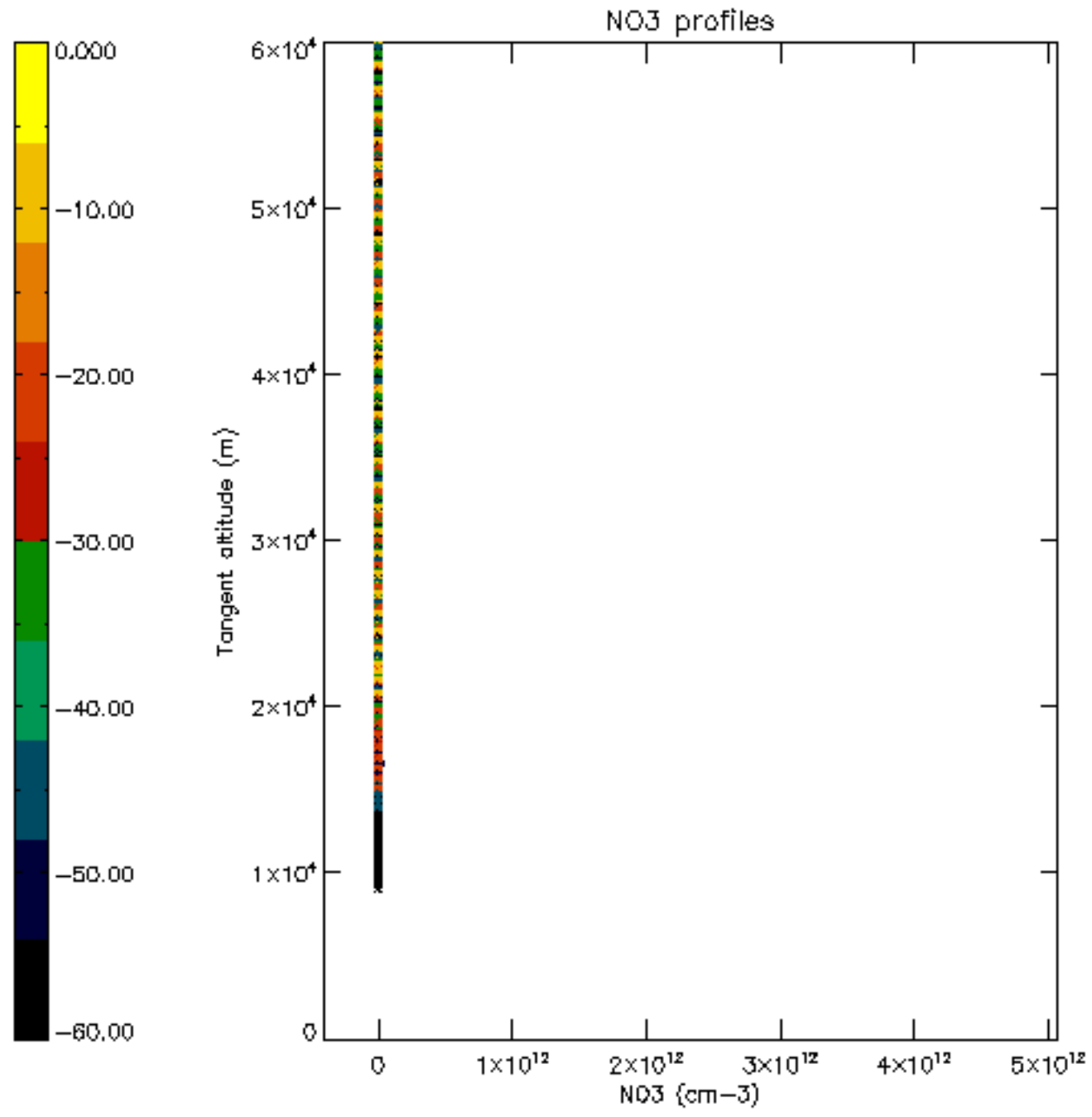


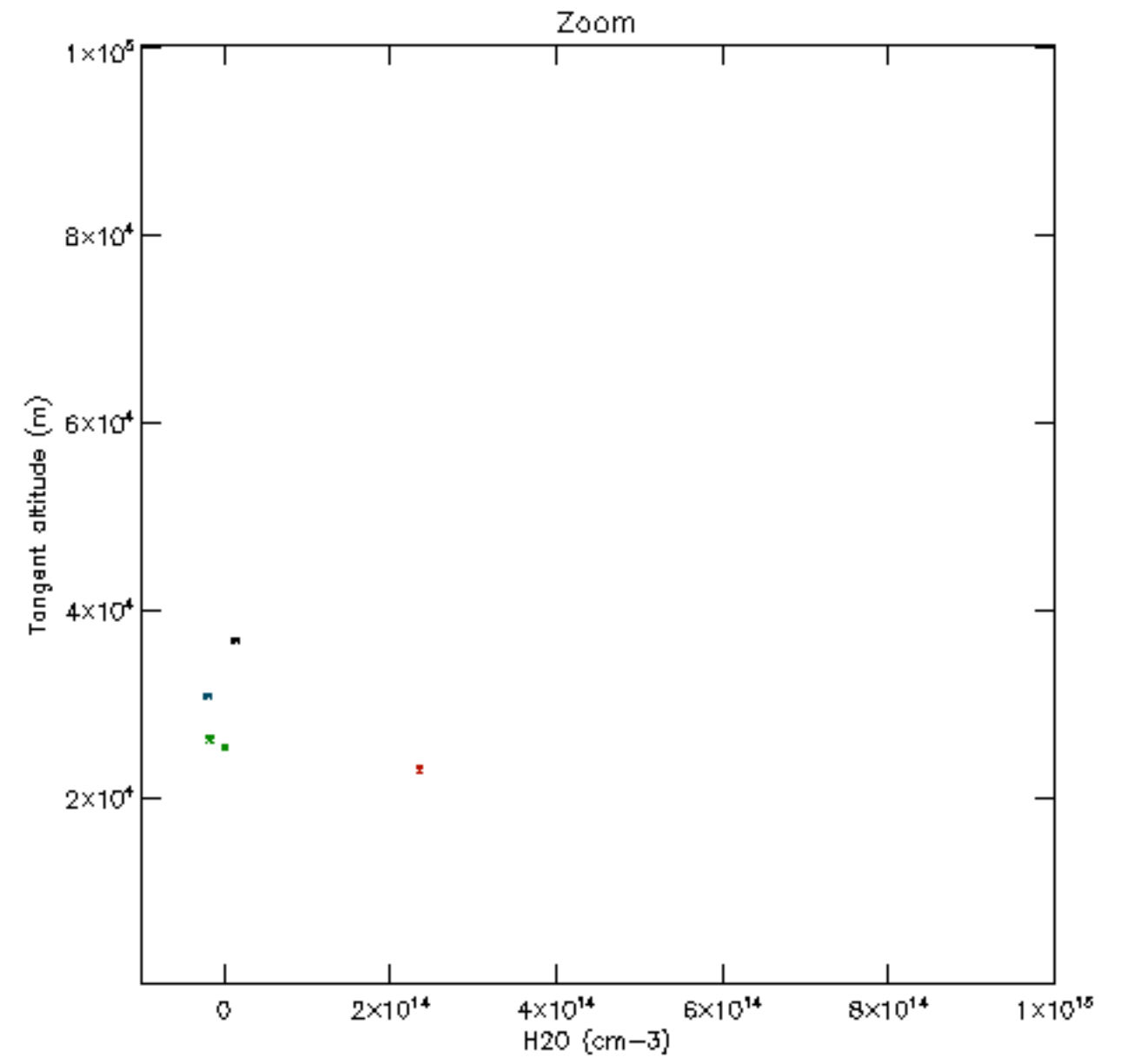
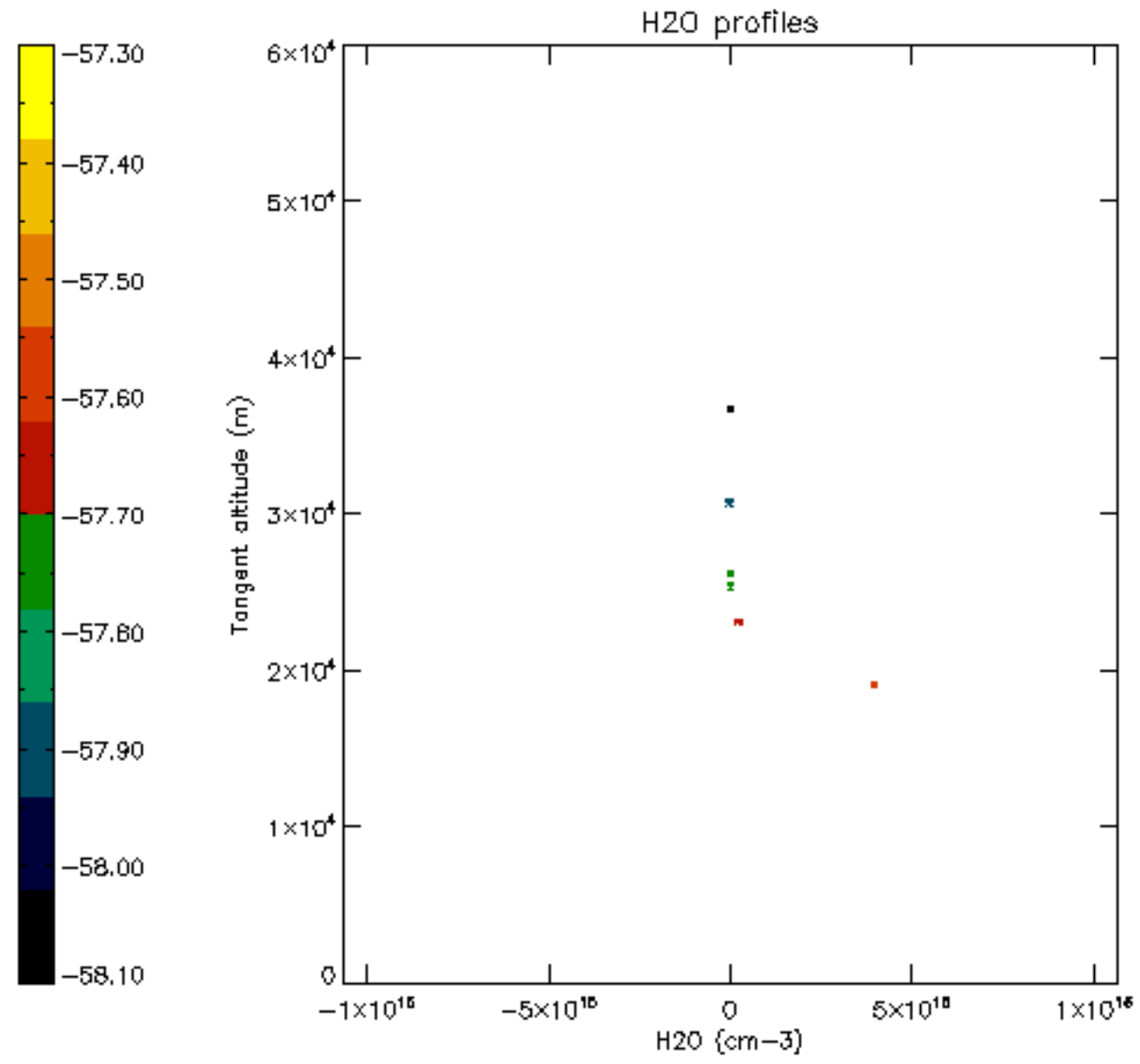


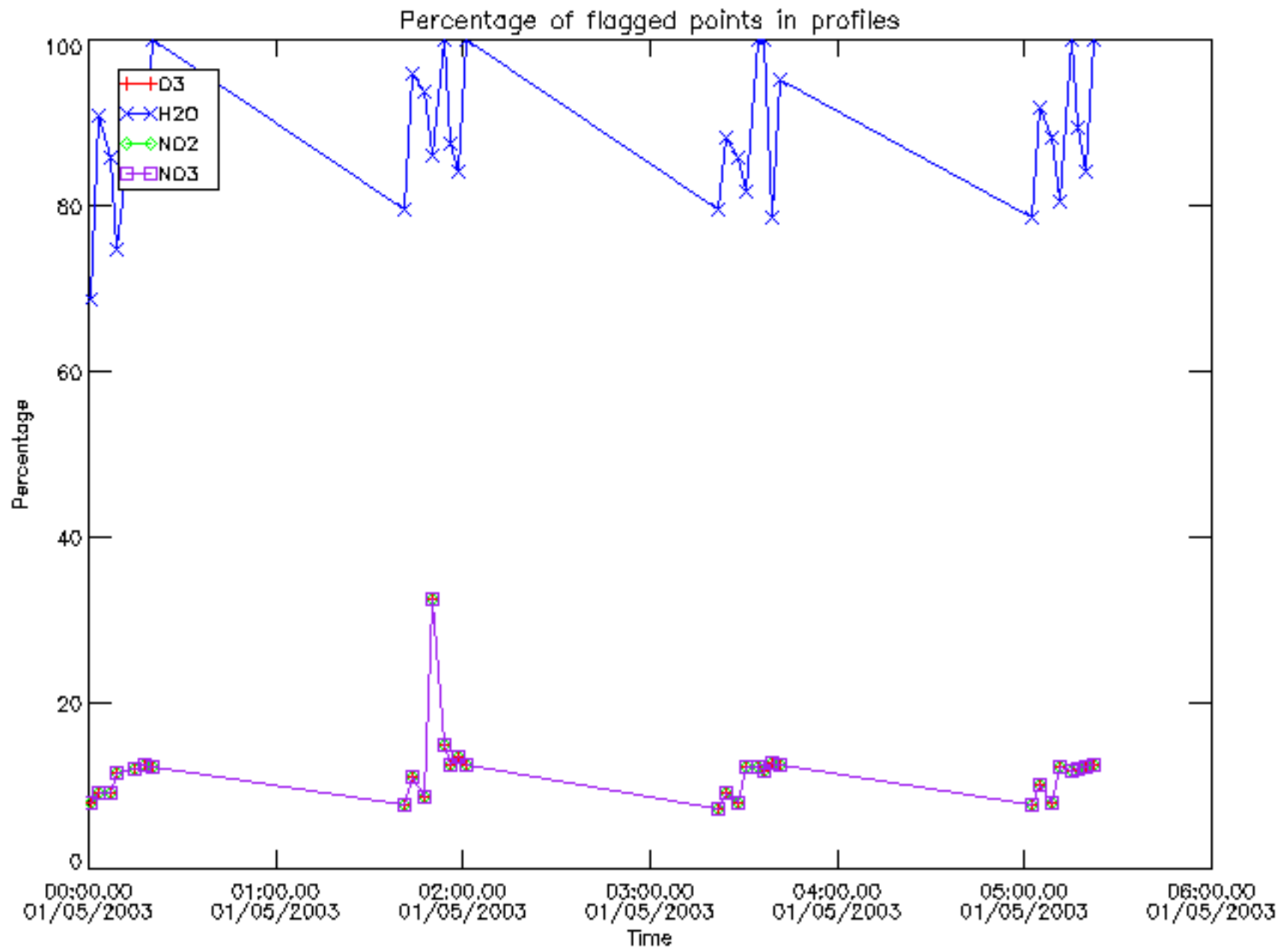




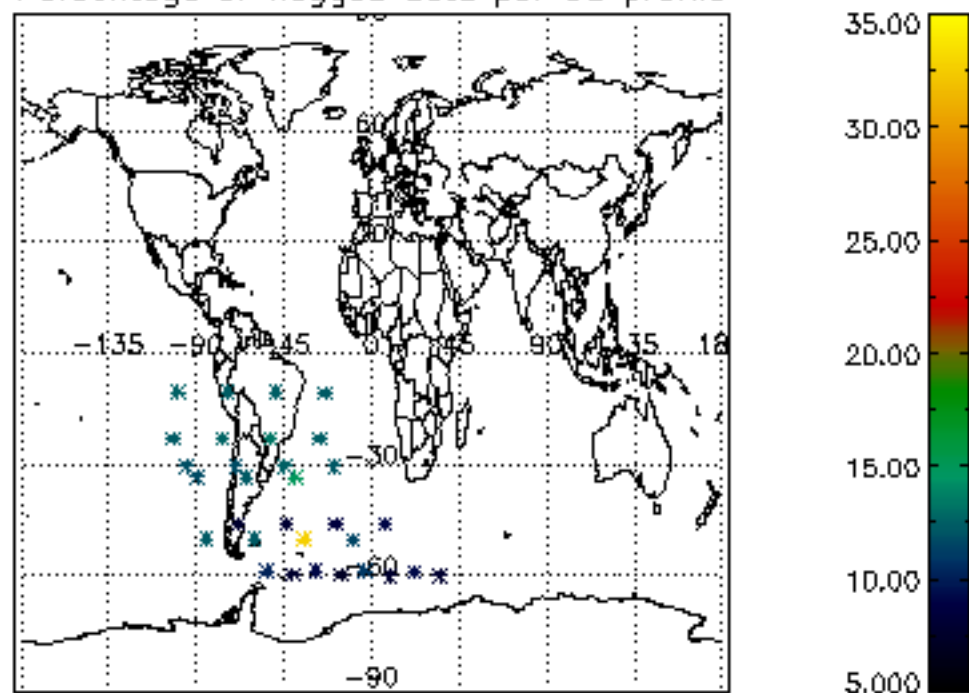




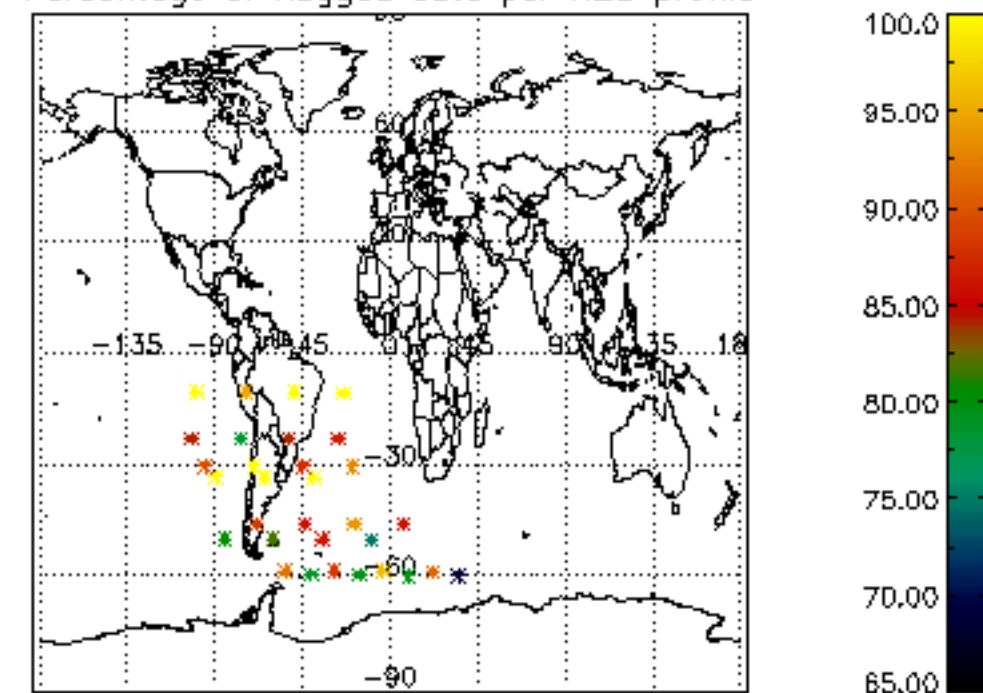




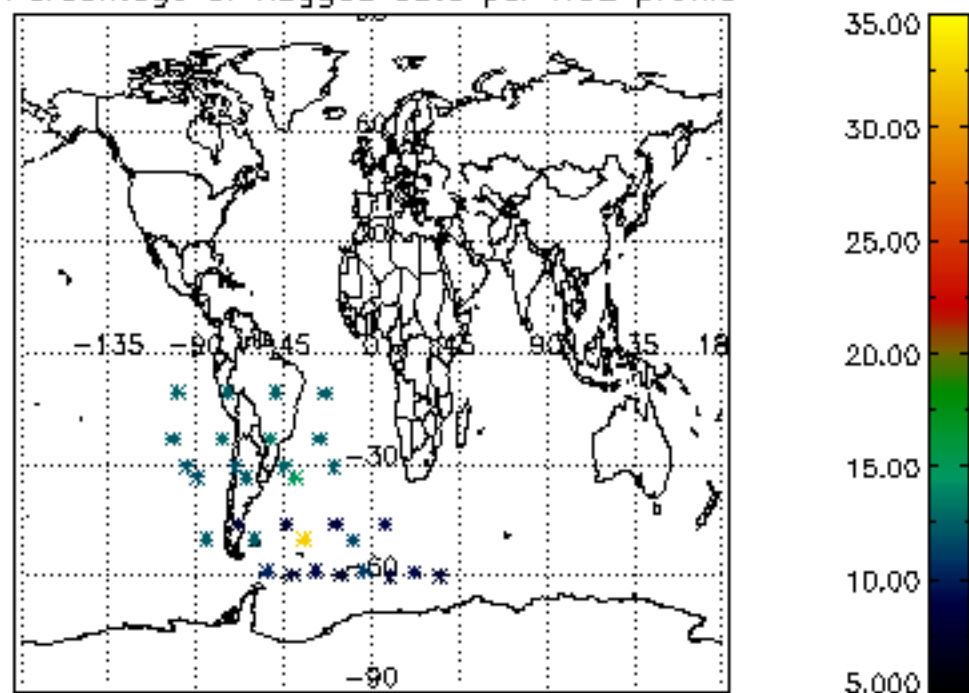
Percentage of flagged data per D3 profile



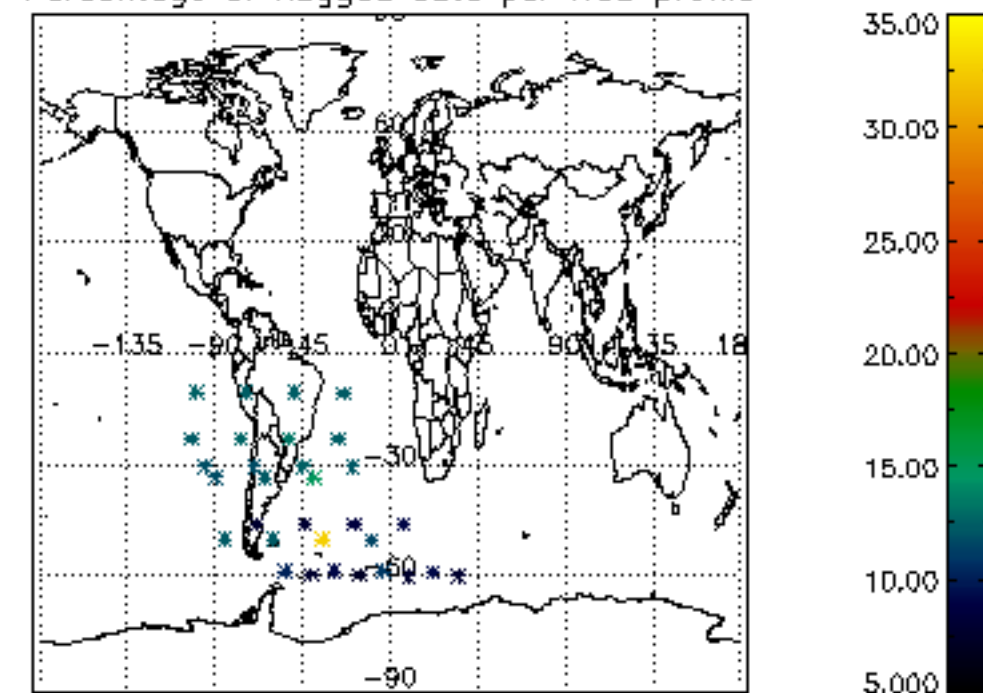
Percentage of flagged data per H2O profile

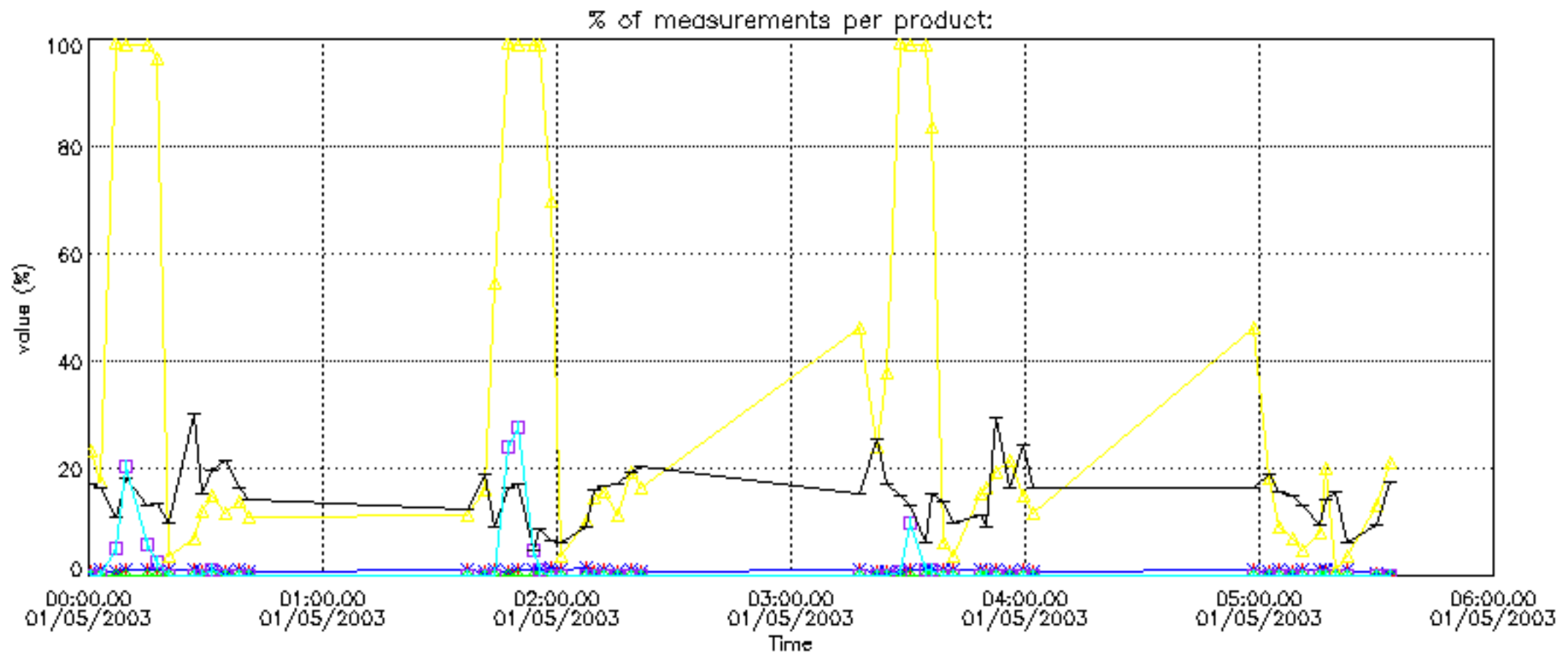


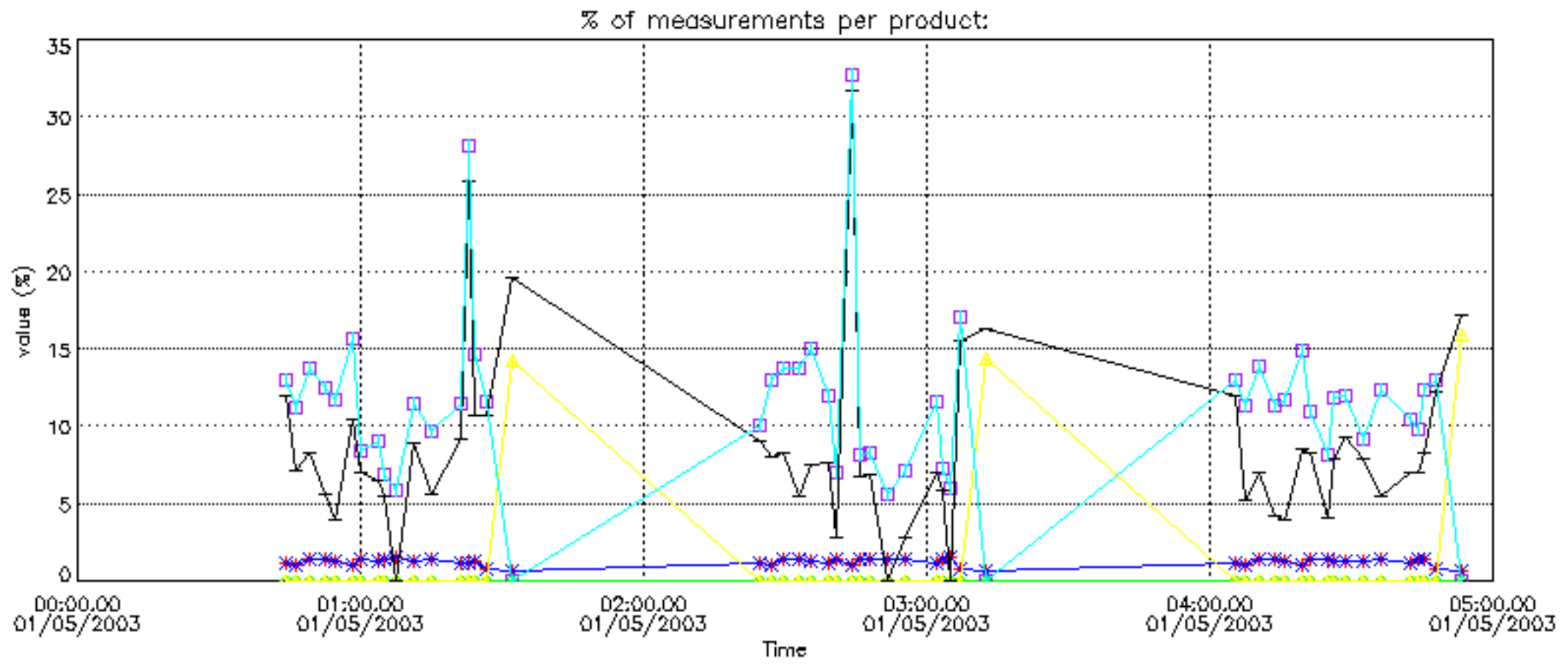
Percentage of flagged data per NO2 profile



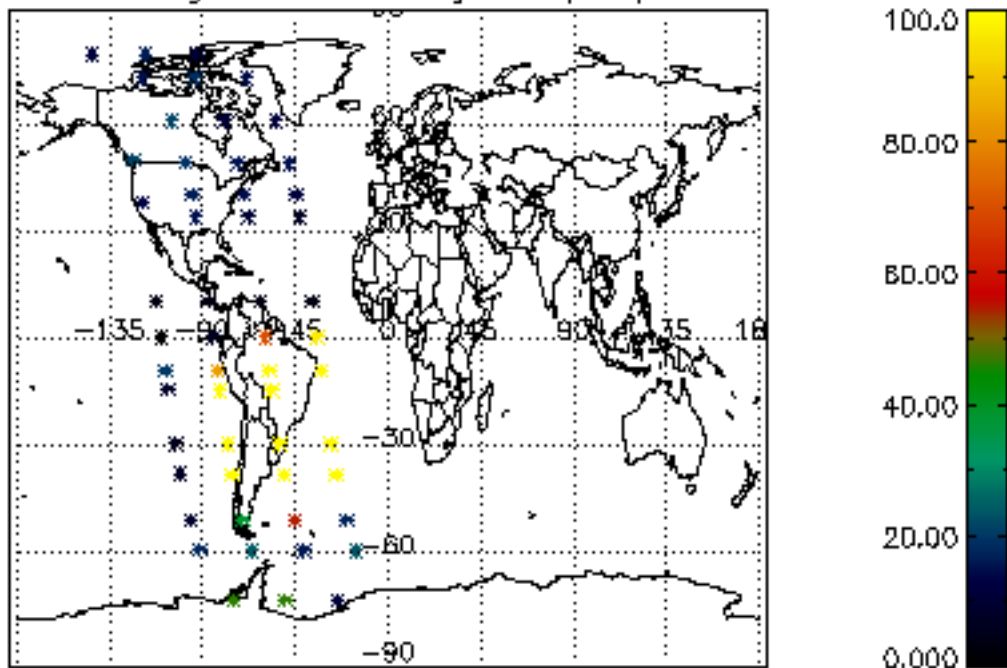
Percentage of flagged data per NO3 profile



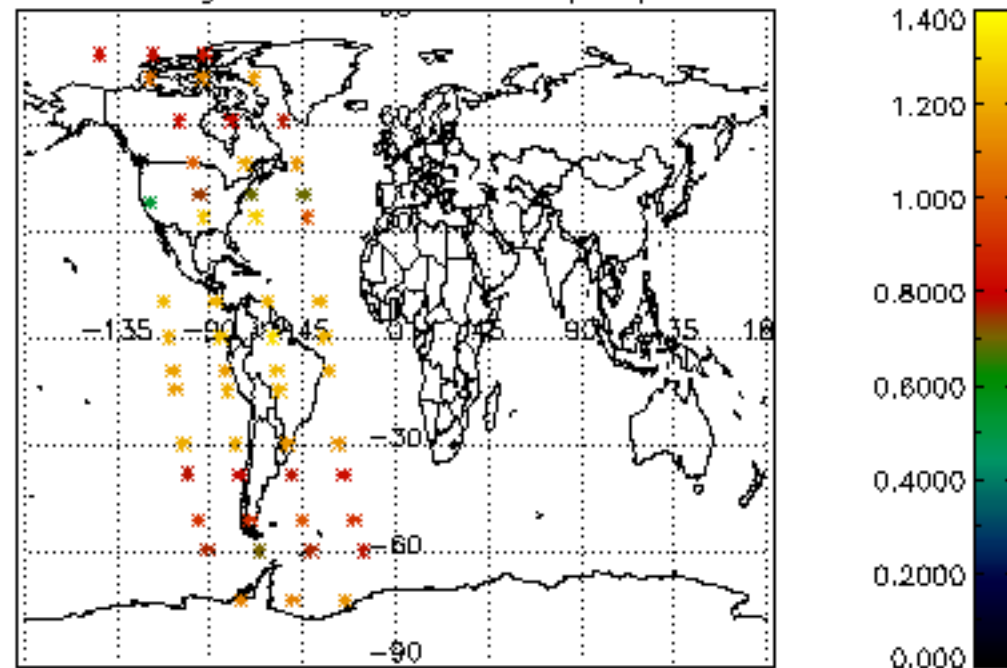




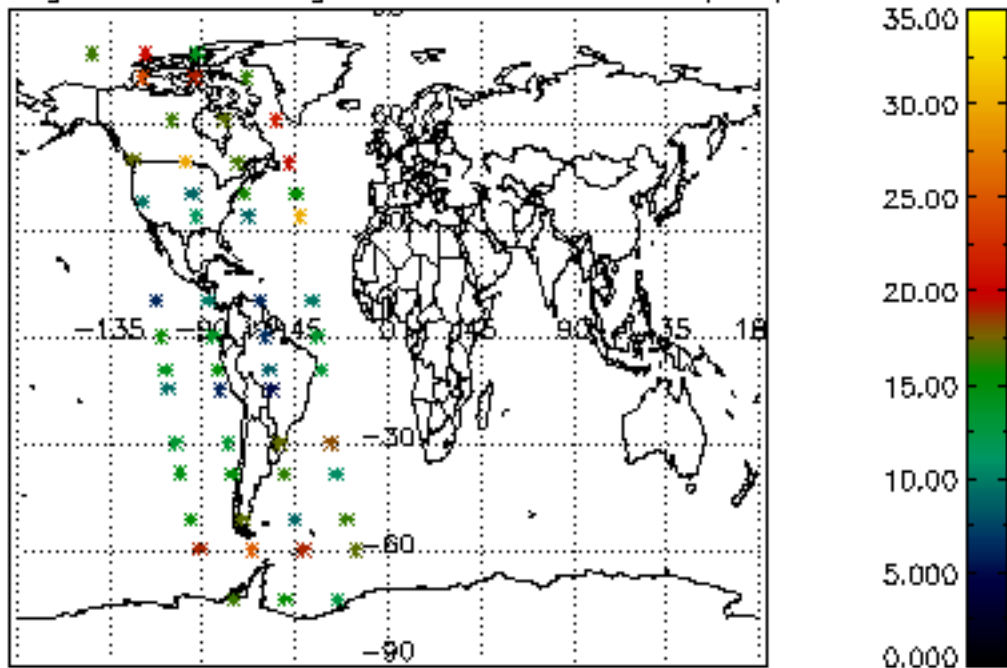
Percentage of cosmic ray hits per profile



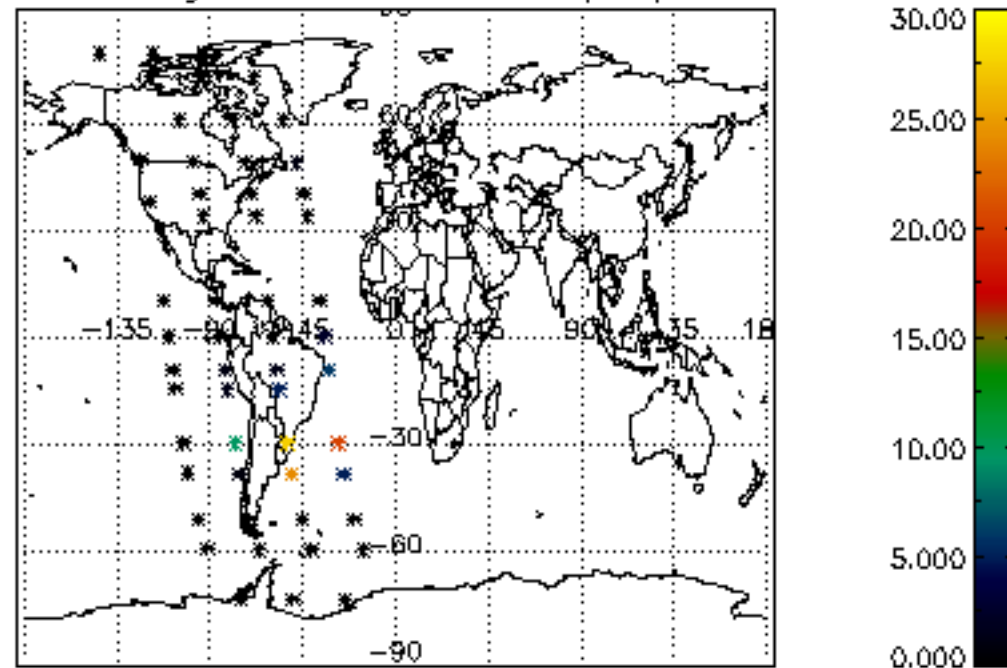
Percentage of datation errors per profile



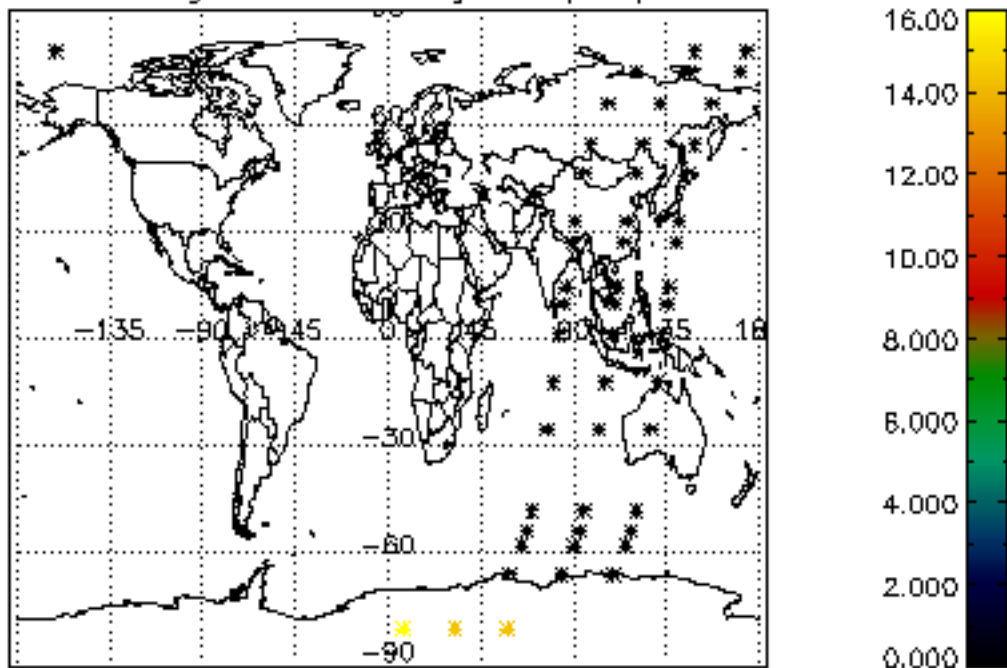
Percentage of star falling outside central band per profile



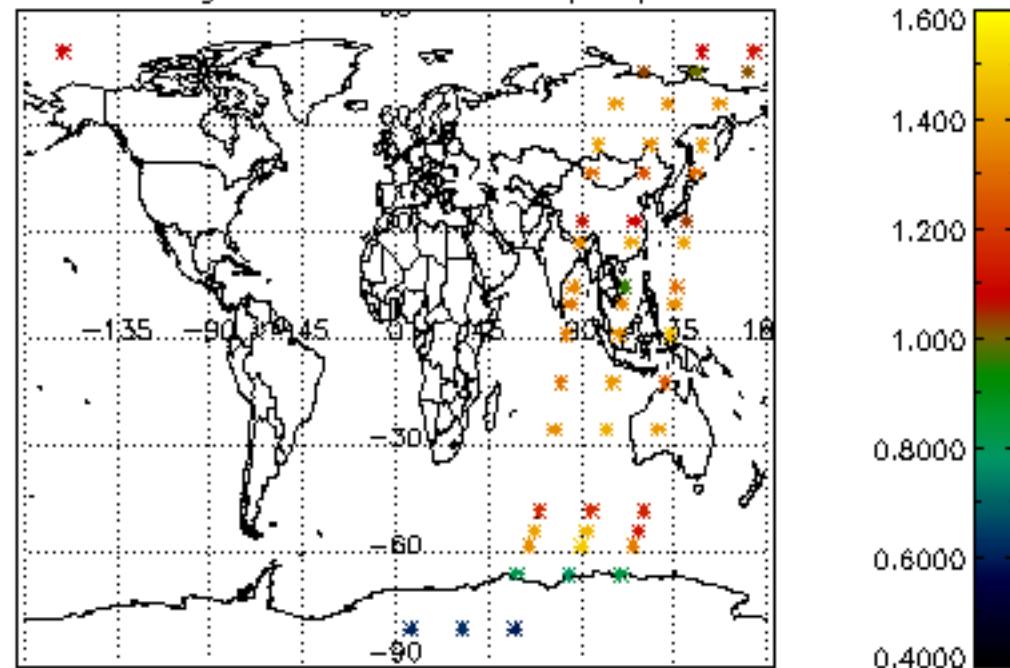
Percentage of saturation errors per profile



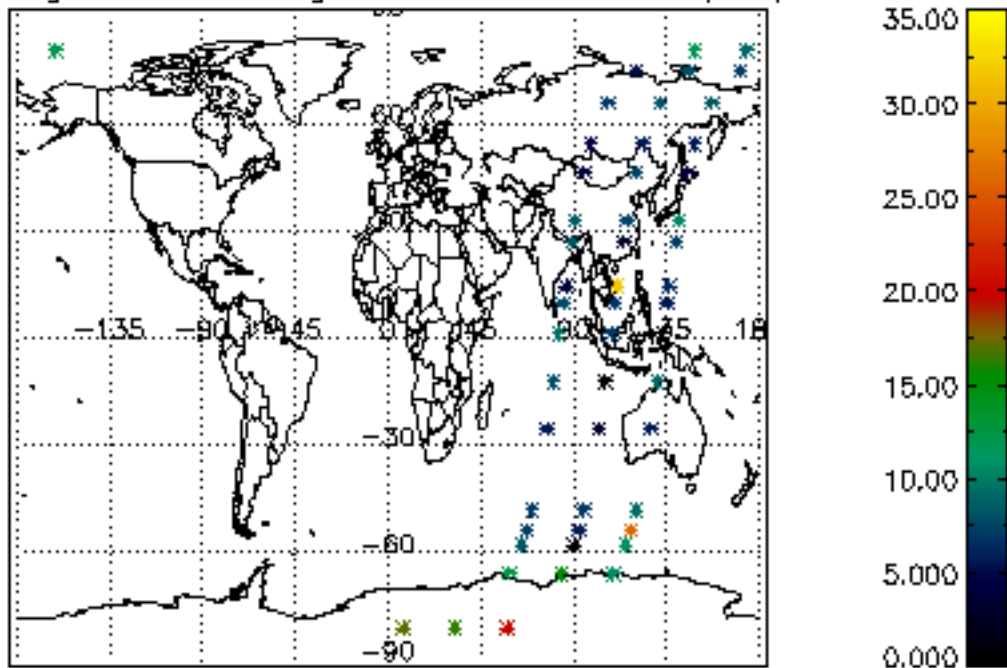
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

