

# 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	26APR2013 16:27:43
Data source version	GOMOS/6.01
Start time of products	17-01-2010 (17JAN2010 00:00:00)
Stop time of products	18-01-2010 (18JAN2010 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	180
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__2PRFIN20100117_000532_000000632086_00073_41209_0512.N1	17-JAN-2010 00:05:32	Bright	63.000	102	24Alp Ser	2.6000	4250.0	126	41209	No
2	GOM_NL__2PRFIN20100117_000738_000000452086_00073_41209_0513.N1	17-JAN-2010 00:07:38	Bright	44.500	120	1Del Oph	2.7340	3200.0	89	41209	No
3	GOM_NL__2PRFIN20100117_000858_000000542086_00073_41209_0514.N1	17-JAN-2010 00:08:58	Bright	53.500	98	13Zet Oph	2.5710	30000.	107	41209	No
4	GOM_NL__2PRFIN20100117_001326_000000492086_00073_41209_0515.N1	17-JAN-2010 00:13:26	Twilight	48.500	16	21Alp Sco	1.0200	3000.0	97	41209	No
5	GOM_NL__2PRFIN20100117_001844_000000422086_00073_41209_0516.N1	17-JAN-2010 00:18:44	Dark	41.500	131	Gam Lup	2.8000	26000.	83	41209	No
6	GOM_NL__2PRFIN20100117_002159_000000262086_00073_41209_0517.N1	17-JAN-2010 00:21:59	Dark	26.000	54	5The Cen	2.0550	4500.0	52	41209	No
7	GOM_NL__2PRFIN20100117_002433_000000492086_00074_41210_0498.N1	17-JAN-2010 00:24:33	Dark	49.000	4	Alp1Cen	-0.010000	5800.0	98	41210	No
8	GOM_NL__2PRFIN20100117_002808_000000482086_00074_41210_0499.N1	17-JAN-2010 00:28:08	Dark	48.000	20	Bet Cru	1.2530	30000.	96	41210	No
9	GOM_NL__2PRFIN20100117_003211_000000382086_00074_41210_0500.N1	17-JAN-2010 00:32:11	Dark	38.000	124	The Car	2.7640	30000.	76	41210	No
10	GOM_NL__2PRFIN20100117_003336_000000402086_00074_41210_0501.N1	17-JAN-2010 00:33:36	Dark	39.500	159	Ups Car	2.9200	7200.0	79	41210	No
11	GOM_NL__2PRFIN20100117_003528_000000422086_00074_41210_0502.N1	17-JAN-2010 00:35:28	Dark	41.500	71	lot Car	2.2460	7700.0	83	41210	No
12	GOM_NL__2PRFIN20100117_003719_000000432086_00074_41210_0503.N1	17-JAN-2010 00:37:19	Dark	43.000	46	Del Vel	1.9540	10600.	86	41210	No
13	GOM_NL__2PRFIN20100117_004002_000000452086_00074_41210_0504.N1	17-JAN-2010 00:40:02	Dark	44.500	34	Gam2Vel	1.7930	23000.	89	41210	No
14	GOM_NL__2PRFIN20100117_004210_000000422086_00074_41210_0505.N1	17-JAN-2010 00:42:10	Dark	42.000	70	Zet Pup	2.2460	39000.	84	41210	No
15	GOM_NL__2PRFIN20100117_004348_000000452086_00074_41210_0506.N1	17-JAN-2010 00:43:48	Straylight	44.500	117	Pi Pup	2.7060	3800.0	89	41210	No
16	GOM_NL__2PRFIN20100117_004620_000000422086_00074_41210_0507.N1	17-JAN-2010 00:46:20	Straylight	42.000	23	21Eps CMa	1.5020	26000.	84	41210	No
17	GOM_NL__2PRFIN20100117_004745_000000422086_00074_41210_0508.N1	17-JAN-2010 00:47:45	Straylight	41.500	179	24Omi2CMa	3.0320	24000.	83	41210	No
18	GOM_NL__2PRFIN20100117_004958_000000452086_00074_41210_0509.N1	17-JAN-2010 00:49:58	Straylight	44.500	1	9Alp CMa	-1.4400	11000.	89	41210	No
19	GOM_NL__2PRFIN20100117_005707_000000522086_00074_41210_0510.N1	17-JAN-2010 00:57:07	Twilight	52.000	14	58Alp Ori	0.87000	3000.0	104	41210	No
20	GOM_NL__2PRFIN20100117_005933_000000442086_00074_41210_0511.N1	17-JAN-2010 00:59:33	Bright	44.000	44	24Gam Gem	1.9280	11000.	88	41210	No
21	GOM_NL__2PRFIN20100117_010117_000000412086_00074_41210_0512.N1	17-JAN-2010 01:01:17	Bright	40.500	151	13Mu Gem	2.8900	3000.0	81	41210	No
22	GOM_NL__2PRFIN20100117_010527_000000362086_00074_41210_0513.N1	17-JAN-2010 01:05:27	Bright	36.000	107	37The Aur	2.6490	11000.	72	41210	No
23	GOM_NL__2PRFIN20100117_010737_000000402086_00074_41210_0514.N1	17-JAN-2010 01:07:37	Bright	39.500	42	34Bet Aur	1.9000	10200.	79	41210	No
24	GOM_NL__2PRFIN20100117_012011_000000332086_00074_41210_0515.N1	17-JAN-2010 01:20:11	Bright	32.500	49	1Alp UMi	1.9900	6300.0	65	41210	No
25	GOM_NL__2PRFIN20100117_012405_000000402086_00074_41210_0516.N1	17-JAN-2010 01:24:05	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	41210	No
26	GOM_NL__2PRFIN20100117_012827_000000392086_00074_41210_0517.N1	17-JAN-2010 01:28:27	Bright	38.500	119	14Eta Dra	2.7270	4700.0	77	41210	No
27	GOM_NL__2PRFIN20100117_013105_000000382086_00074_41210_0518.N1	17-JAN-2010 01:31:05	Bright	37.500	130	23Bet Dra	2.7990	5800.0	75	41210	No
28	GOM_NL__2PRFIN20100117_013723_000000552086_00074_41210_0519.N1	17-JAN-2010 01:37:23	Bright	55.000	133	40Zet Her	2.8070	6000.0	110	41210	No
29	GOM_NL__2PRFIN20100117_014031_000000522086_00074_41210_0520.N1	17-JAN-2010 01:40:31	Bright	52.000	127	27Bet Her	2.7810	4700.0	104	41210	No
30	GOM_NL__2PRFIN20100117_014608_000000632086_00074_41210_0521.N1	17-JAN-2010 01:46:08	Bright	63.000	102	24Alp Ser	2.6000	4250.0	126	41210	No
31	GOM_NL__2PRFIN20100117_014814_000000572086_00074_41210_0522.N1	17-JAN-2010 01:48:14	Bright	57.000	120	1Del Oph	2.7340	3200.0	114	41210	No
32	GOM_NL__2PRFIN20100117_014934_000000542086_00074_41210_0523.N1	17-JAN-2010 01:49:34	Bright	54.000	98	13Zet Oph	2.5710	30000.	108	41210	No
33	GOM_NL__2PRFIN20100117_015402_000000472086_00074_41210_0524.N1	17-JAN-2010 01:54:02	Twilight	46.500	16	21Alp Sco	1.0200	3000.0	93	41210	No
34	GOM_NL__2PRFIN20100117_020109_000000412086_00074_41210_0525.N1	17-JAN-2010 02:01:09	Dark	40.500	109	Bet Lup	2.6770	26000.	81	41210	No
35	GOM_NL__2PRFIN20100117_020239_000000412086_00074_41210_0526.N1	17-JAN-2010 02:02:39	Dark	40.500	78	Alp Lup	2.3040	28000.	81	41210	No
36	GOM_NL__2PRFIN20100117_020509_000000422086_00075_41211_0507.N1	17-JAN-2010 02:05:09	Dark	41.500	4	Alp1Cen	-0.010000	5800.0	83	41211	No
37	GOM_NL__2PRFIN20100117_020845_000000432086_00075_41211_0508.N1	17-JAN-2010 02:08:45	Dark	42.500	20	Bet Cru	1.2530	30000.	85	41211	No
38	GOM_NL__2PRFIN20100117_021248_000000402086_00075_41211_0509.N1	17-JAN-2010 02:12:48	Dark	40.000	124	The Car	2.7640	30000.	80	41211	No
39	GOM_NL__2PRFIN20100117_021412_000000392086_00075_41211_0510.N1	17-JAN-2010 02:14:12	Dark	39.000	159	Ups Car	2.9200	7200.0	78	41211	No
40	GOM_NL__2PRFIN20100117_021605_000000402086_00075_41211_0511.N1	17-JAN-2010 02:16:05	Dark	39.500	71	lot Car	2.2460	7700.0	79	41211	No
41	GOM_NL__2PRFIN20100117_021756_000000432086_00075_41211_0512.N1	17-JAN-2010 02:17:56	Dark	43.000	46	Del Vel	1.9540	10600.	86	41211	No
42	GOM_NL__2PRFIN20100117_022038_000000432086_00075_41211_0513.N1	17-JAN-2010 02:20:38	Dark	43.000	34	Gam2Vel	1.7930	23000.	86	41211	No

43	GOM_NL__2PRFIN20100117_022246_000000452086_00075_41211_0514.N1	17-JAN-2010 02:22:46	Dark	45.000	70	Zet Pup	2.2460	39000.	90	41211	No
44	GOM_NL__2PRFIN20100117_022656_000000432086_00075_41211_0515.N1	17-JAN-2010 02:26:56	Straylight	43.000	23	21Eps CMa	1.5020	26000.	86	41211	No
45	GOM_NL__2PRFIN20100117_022821_000000422086_00075_41211_0516.N1	17-JAN-2010 02:28:21	Straylight	41.500	179	24Omi2CMa	3.0320	24000.	83	41211	No
46	GOM_NL__2PRFIN20100117_023034_000000452086_00075_41211_0517.N1	17-JAN-2010 02:30:34	Straylight	45.000	1	9Alp CMa	-1.4400	11000.	90	41211	No
47	GOM_NL__2PRFIN20100117_023743_000000522086_00075_41211_0518.N1	17-JAN-2010 02:37:43	Tw_i_and_stray	51.500	14	58Alp Ori	0.87000	3000.0	103	41211	No
48	GOM_NL__2PRFIN20100117_024009_000000462086_00075_41211_0519.N1	17-JAN-2010 02:40:09	Bright	46.000	44	24Gam Gem	1.9280	11000.	92	41211	No
49	GOM_NL__2PRFIN20100117_024153_000000422086_00075_41211_0520.N1	17-JAN-2010 02:41:53	Bright	42.000	151	13Mu Gem	2.8900	3000.0	84	41211	No
50	GOM_NL__2PRFIN20100117_024602_000000372086_00075_41211_0521.N1	17-JAN-2010 02:46:02	Bright	37.000	107	37The Aur	2.6490	11000.	74	41211	No
51	GOM_NL__2PRFIN20100117_024813_000000372086_00075_41211_0522.N1	17-JAN-2010 02:48:13	Bright	36.500	42	34Bet Aur	1.9000	10200.	73	41211	No
52	GOM_NL__2PRFIN20100117_030047_000000372086_00075_41211_0523.N1	17-JAN-2010 03:00:47	Bright	37.000	49	1Alp UMi	1.9900	6300.0	74	41211	No
53	GOM_NL__2PRFIN20100117_030441_000000422086_00075_41211_0524.N1	17-JAN-2010 03:04:41	Bright	42.000	60	7Bet UMi	2.0810	3950.0	84	41211	No
54	GOM_NL__2PRFIN20100117_030903_000000402086_00075_41211_0525.N1	17-JAN-2010 03:09:03	Bright	39.500	119	14Eta Dra	2.7270	4700.0	79	41211	No
55	GOM_NL__2PRFIN20100117_031141_000000392086_00075_41211_0526.N1	17-JAN-2010 03:11:41	Bright	38.500	130	23Bet Dra	2.7990	5800.0	77	41211	No
56	GOM_NL__2PRFIN20100117_031759_000000522086_00075_41211_0527.N1	17-JAN-2010 03:17:59	Bright	52.000	133	40Zet Her	2.8070	6000.0	104	41211	No
57	GOM_NL__2PRFIN20100117_032107_000000382086_00075_41211_0528.N1	17-JAN-2010 03:21:07	Bright	37.500	127	27Bet Her	2.7810	4700.0	75	41211	No
58	GOM_NL__2PRFIN20100117_032645_000000632086_00075_41211_0529.N1	17-JAN-2010 03:26:45	Bright	63.000	102	24Alp Ser	2.6000	4250.0	126	41211	No
59	GOM_NL__2PRFIN20100117_032851_000000572086_00075_41211_0530.N1	17-JAN-2010 03:28:51	Bright	57.000	120	1Del Oph	2.7340	3200.0	114	41211	No
60	GOM_NL__2PRFIN20100117_033011_000000542086_00075_41211_0531.N1	17-JAN-2010 03:30:11	Bright	54.000	98	13Zet Oph	2.5710	30000.	108	41211	No
61	GOM_NL__2PRFIN20100117_033439_000000532086_00075_41211_0532.N1	17-JAN-2010 03:34:39	Tw_i_and_stray	52.500	16	21Alp Sco	1.0200	3000.0	105	41211	No
62	GOM_NL__2PRFIN20100117_034145_000000422086_00075_41211_0533.N1	17-JAN-2010 03:41:45	Dark	41.500	109	Bet Lup	2.6770	26000.	83	41211	No
63	GOM_NL__2PRFIN20100117_034316_000000482086_00075_41211_0534.N1	17-JAN-2010 03:43:16	Dark	47.500	78	Alp Lup	2.3040	28000.	95	41211	No
64	GOM_NL__2PRFIN20100117_034546_000000422086_00076_41212_0515.N1	17-JAN-2010 03:45:46	Dark	42.000	4	Alp1Cen	-0.010000	5800.0	84	41212	No
65	GOM_NL__2PRFIN20100117_034921_000000422086_00076_41212_0516.N1	17-JAN-2010 03:49:21	Dark	41.500	20	Bet Cru	1.2530	30000.	83	41212	No
66	GOM_NL__2PRFIN20100117_035325_000000382086_00076_41212_0517.N1	17-JAN-2010 03:53:25	Dark	37.500	124	The Car	2.7640	30000.	75	41212	No
67	GOM_NL__2PRFIN20100117_035449_000000392086_00076_41212_0518.N1	17-JAN-2010 03:54:49	Dark	38.500	159	Ups Car	2.9200	7200.0	77	41212	No
68	GOM_NL__2PRFIN20100117_035641_000000402086_00076_41212_0519.N1	17-JAN-2010 03:56:41	Dark	40.000	71	lot Car	2.2460	7700.0	80	41212	No
69	GOM_NL__2PRFIN20100117_035832_000000432086_00076_41212_0520.N1	17-JAN-2010 03:58:32	Dark	43.000	46	Del Vel	1.9540	10600.	86	41212	No
70	GOM_NL__2PRFIN20100117_040114_000000432086_00076_41212_0521.N1	17-JAN-2010 04:01:14	Dark	43.000	34	Gam2Vel	1.7930	23000.	86	41212	No
71	GOM_NL__2PRFIN20100117_040322_000000432086_00076_41212_0522.N1	17-JAN-2010 04:03:22	Dark	43.000	70	Zet Pup	2.2460	39000.	86	41212	No
72	GOM_NL__2PRFIN20100117_040501_000000422086_00076_41212_0523.N1	17-JAN-2010 04:05:01	Straylight	42.000	117	Pi Pup	2.7060	3800.0	84	41212	No
73	GOM_NL__2PRFIN20100117_040733_000000432086_00076_41212_0524.N1	17-JAN-2010 04:07:33	Straylight	43.000	23	21Eps CMa	1.5020	26000.	86	41212	No
74	GOM_NL__2PRFIN20100117_040857_000000422086_00076_41212_0525.N1	17-JAN-2010 04:08:57	Straylight	41.500	179	24Omi2CMa	3.0320	24000.	83	41212	No
75	GOM_NL__2PRFIN20100117_041110_000000462086_00076_41212_0526.N1	17-JAN-2010 04:11:10	Straylight	46.000	1	9Alp CMa	-1.4400	11000.	92	41212	No
76	GOM_NL__2PRFIN20100117_041820_000000492086_00076_41212_0527.N1	17-JAN-2010 04:18:20	Tw_i_and_stray	48.500	14	58Alp Ori	0.87000	3000.0	97	41212	No
77	GOM_NL__2PRFIN20100117_042046_000000432086_00076_41212_0528.N1	17-JAN-2010 04:20:46	Bright	43.000	44	24Gam Gem	1.9280	11000.	86	41212	No
78	GOM_NL__2PRFIN20100117_042229_000000412086_00076_41212_0529.N1	17-JAN-2010 04:22:29	Bright	41.000	151	13Mu Gem	2.8900	3000.0	82	41212	No
79	GOM_NL__2PRFIN20100117_042638_000000372086_00076_41212_0530.N1	17-JAN-2010 04:26:38	Bright	37.000	107	37The Aur	2.6490	11000.	74	41212	No
80	GOM_NL__2PRFIN20100117_042849_000000372086_00076_41212_0531.N1	17-JAN-2010 04:28:49	Bright	36.500	42	34Bet Aur	1.9000	10200.	73	41212	No
81	GOM_NL__2PRFIN20100117_044123_000000372086_00076_41212_0532.N1	17-JAN-2010 04:41:23	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	41212	No
82	GOM_NL__2PRFIN20100117_044517_000000422086_00076_41212_0533.N1	17-JAN-2010 04:45:17	Bright	42.000	60	7Bet UMi	2.0810	3950.0	84	41212	No
83	GOM_NL__2PRFIN20100117_044939_000000352086_00076_41212_0534.N1	17-JAN-2010 04:49:39	Bright	35.000	119	14Eta Dra	2.7270	4700.0	70	41212	No
84	GOM_NL__2PRFIN20100117_045217_000000342086_00076_41212_0535.N1	17-JAN-2010 04:52:17	Bright	33.500	130	23Bet Dra	2.7990	5800.0	67	41212	No
85	GOM_NL__2PRFIN20100117_045835_000000392086_00076_41212_0536.N1	17-JAN-2010 04:58:35	Bright	38.500	133	40Zet Her	2.8070	6000.0	77	41212	No
86	GOM_NL__2PRFIN20100117_050144_000000562086_00076_41212_0537.N1	17-JAN-2010 05:01:44	Bright	56.000	127	27Bet Her	2.7810	4700.0	112	41212	No
87	GOM_NL__2PRFIN20100117_050721_000000492086_00076_41212_0538.N1	17-JAN-2010 05:07:21	Bright	48.500	102	24Alp Ser	2.6000	4250.0	97	41212	No
88	GOM_NL__2PRFIN20100117_050927_000000572086_00076_41212_0539.N1	17-JAN-2010 05:09:27	Bright	57.000	120	1Del Oph	2.7340	3200.0	114	41212	No
89	GOM_NL__2PRFIN20100117_051515_000000492086_00076_41212_0540.N1	17-JAN-2010 05:15:15	Tw_i_and_stray	48.500	16	21Alp Sco	1.0200	3000.0	97	41212	No
90	GOM_NL__2PRFIN20100117_052034_000000412086_00076_41212_0541.N1	17-JAN-2010 05:20:34	Dark	40.500	131	Gam Lup	2.8000	26000.	81	41212	No
91	GOM_NL__2PRFIN20100117_052222_000000402086_00076_41212_0542.N1	17-JAN-2010 05:22:22	Dark	39.500	109	Bet Lup	2.6770	26000.	79	41212	No
92	GOM_NL__2PRFIN20100117_052353_000000432086_00076_41212_0543.N1	17-JAN-2010 05:23:53	Dark	42.500	78	Alp Lup	2.3040	28000.	85	41212	No
93	GOM_NL__2PRFIN20100117_052622_000000542086_00077_41213_0525.N1	17-JAN-2010 05:26:22	Dark	54.000	4	Alp1Cen	-0.010000	5800.0	108	41213	No
94	GOM_NL__2PRFIN20100117_052958_000000412086_00077_41213_0526.N1	17-JAN-2010 05:29:58	Dark	40.500	20	Bet Cru	1.2530	30000.	81	41213	No
95	GOM_NL__2PRFIN20100117_053401_000000392086_00077_41213_0527.N1	17-JAN-2010 05:34:01	Dark	39.000	124	The Car	2.7640	30000.	78	41213	No
96	GOM_NL__2PRFIN20100117_053525_000000392086_00077_41213_0528.N1	17-JAN-2010 05:35:25	Dark	38.500	159	Ups Car	2.9200	7200.0	77	41213	No
97	GOM_NL__2PRFIN20100117_053909_000000452086_00077_41213_0529.N1	17-JAN-2010 05:39:09	Dark	44.500	46	Del Vel	1.9540	10600.	89	41213	No
98	GOM_NL__2PRFIN20100117_054150_000000432086_00077_41213_0530.N1	17-JAN-2010 05:41:50	Dark	43.000	34	Gam2Vel	1.7930	23000.	86	41213	No
99	GOM_NL__2PRFIN20100117_054359_000000422086_00077_41213_0531.N1	17-JAN-2010 05:43:59	Dark	41.500	70	Zet Pup	2.2460	39000.	83	41213	No
100	GOM_NL__2PRFIN20100117_054537_000000432086_00077_41213_0532.N1	17-JAN-2010 05:45:37	Straylight	43.000	117	Pi Pup	2.7060	3800.0	86	41213	No
101	GOM_NL__2PRFIN20100117_054809_000000412086_00077_41213_0533.N1	17-JAN-2010 05:48:09	Straylight	40.500	23	21Eps CMa	1.5020	26000.	81	41213	No

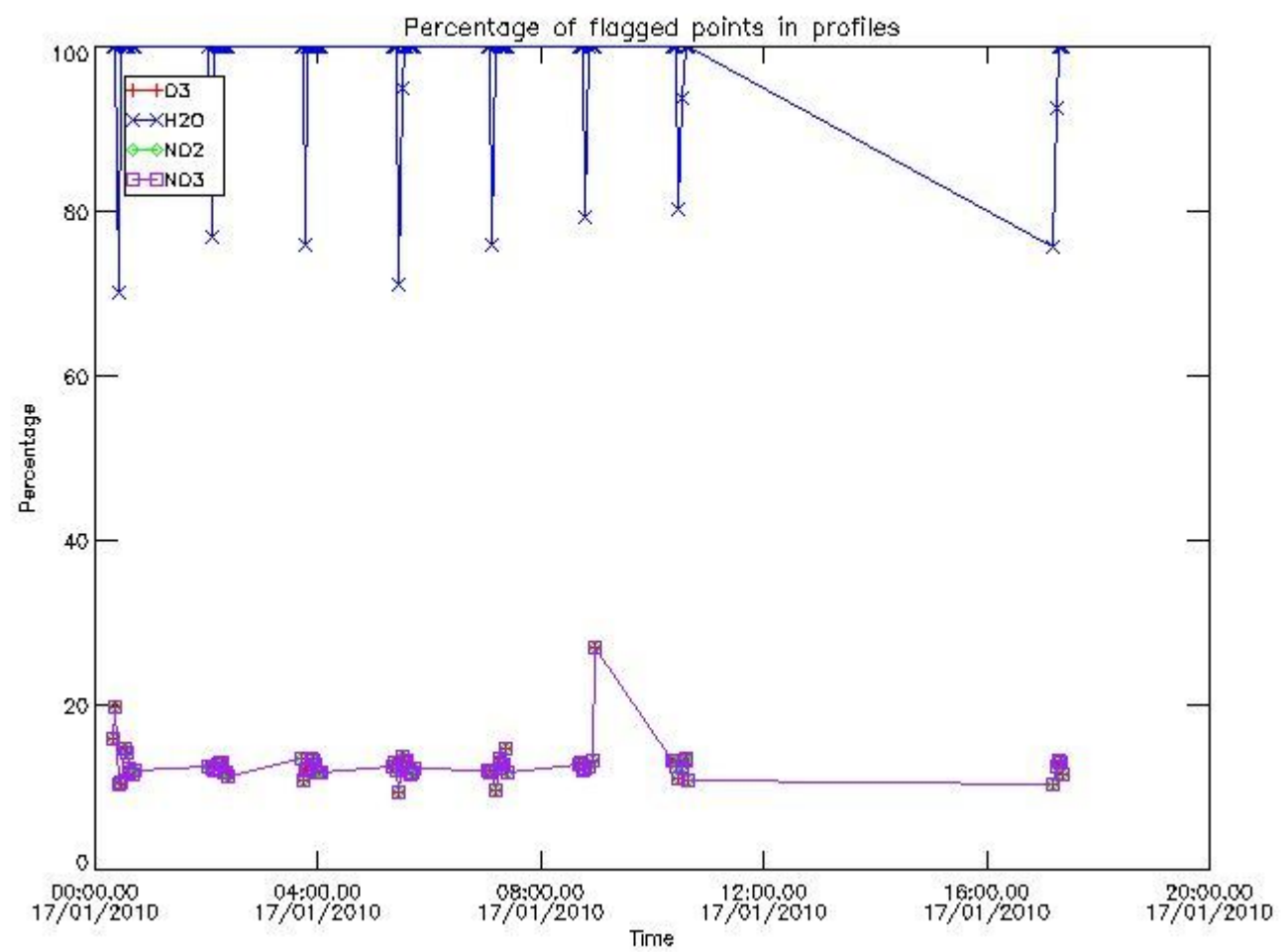
102	GOM_NL__2PRFIN20100117_055146_000000462086_00077_41213_0534.N1	17-JAN-2010 05:51:46	Straylight	46.000	1	9Alp CMa	-1.4400	11000.	92	41213	No
103	GOM_NL__2PRFIN20100117_055856_000000452086_00077_41213_0535.N1	17-JAN-2010 05:58:56	Twl_and_stray	45.000	14	58Alp Ori	0.87000	3000.0	90	41213	No
104	GOM_NL__2PRFIN20100117_060121_000000362086_00077_41213_0536.N1	17-JAN-2010 06:01:21	Bright	36.000	44	24Gam Gem	1.9280	11000.	72	41213	No
105	GOM_NL__2PRFIN20100117_060305_000000532086_00077_41213_0537.N1	17-JAN-2010 06:03:05	Bright	53.000	151	13Mu Gem	2.8900	3000.0	106	41213	No
106	GOM_NL__2PRFIN20100117_060715_000000372086_00077_41213_0538.N1	17-JAN-2010 06:07:15	Bright	36.500	107	37The Aur	2.6490	11000.	73	41213	No
107	GOM_NL__2PRFIN20100117_060925_000000382086_00077_41213_0539.N1	17-JAN-2010 06:09:25	Bright	37.500	42	34Bet Aur	1.9000	10200.	75	41213	No
108	GOM_NL__2PRFIN20100117_062159_000000382086_00077_41213_0540.N1	17-JAN-2010 06:21:59	Bright	38.000	49	1Alp UMi	1.9900	6300.0	76	41213	No
109	GOM_NL__2PRFIN20100117_062553_000000412086_00077_41213_0541.N1	17-JAN-2010 06:25:53	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	41213	No
110	GOM_NL__2PRFIN20100117_063015_000000402086_00077_41213_0542.N1	17-JAN-2010 06:30:15	Bright	39.500	119	14Eta Dra	2.7270	4700.0	79	41213	No
111	GOM_NL__2PRFIN20100117_063253_000000452086_00077_41213_0543.N1	17-JAN-2010 06:32:53	Bright	44.500	130	23Bet Dra	2.7990	5800.0	89	41213	No
112	GOM_NL__2PRFIN20100117_064220_000000562086_00077_41213_0544.N1	17-JAN-2010 06:42:20	Bright	56.000	127	27Bet Her	2.7810	4700.0	112	41213	No
113	GOM_NL__2PRFIN20100117_064757_000000632086_00077_41213_0545.N1	17-JAN-2010 06:47:57	Bright	63.000	102	24Alp Ser	2.6000	4250.0	126	41213	No
114	GOM_NL__2PRFIN20100117_065003_000000572086_00077_41213_0546.N1	17-JAN-2010 06:50:03	Bright	57.000	120	1Del Oph	2.7340	3200.0	114	41213	No
115	GOM_NL__2PRFIN20100117_065551_000000492086_00077_41213_0547.N1	17-JAN-2010 06:55:51	Twl_and_stray	48.500	16	21Alp Sco	1.0200	3000.0	97	41213	No
116	GOM_NL__2PRFIN20100117_070259_000000422086_00077_41213_0548.N1	17-JAN-2010 07:02:59	Dark	42.000	109	Bet Lup	2.6770	26000.	84	41213	No
117	GOM_NL__2PRFIN20100117_070429_000000432086_00077_41213_0549.N1	17-JAN-2010 07:04:29	Dark	43.000	78	Alp Lup	2.3040	28000.	86	41213	No
118	GOM_NL__2PRFIN20100117_070659_000000422086_00078_41214_0534.N1	17-JAN-2010 07:06:59	Dark	42.000	4	Alp1Cen	-0.010000	5800.0	84	41214	No
119	GOM_NL__2PRFIN20100117_071035_000000532086_00078_41214_0535.N1	17-JAN-2010 07:10:35	Dark	53.000	20	Bet Cru	1.2530	30000.	106	41214	No
120	GOM_NL__2PRFIN20100117_071438_000000382086_00078_41214_0536.N1	17-JAN-2010 07:14:38	Dark	38.000	124	The Car	2.7640	30000.	76	41214	No
121	GOM_NL__2PRFIN20100117_071601_000000392086_00078_41214_0537.N1	17-JAN-2010 07:16:01	Dark	39.000	159	Ups Car	2.9200	7200.0	78	41214	No
122	GOM_NL__2PRFIN20100117_071754_000000462086_00078_41214_0538.N1	17-JAN-2010 07:17:54	Dark	45.500	71	lot Car	2.2460	7700.0	91	41214	No
123	GOM_NL__2PRFIN20100117_071945_000000402086_00078_41214_0539.N1	17-JAN-2010 07:19:45	Dark	40.000	46	Del Vel	1.9540	10600.	80	41214	No
124	GOM_NL__2PRFIN20100117_072227_000000422086_00078_41214_0540.N1	17-JAN-2010 07:22:27	Dark	41.500	34	Gam2Vel	1.7930	23000.	83	41214	No
125	GOM_NL__2PRFIN20100117_072435_000000432086_00078_41214_0541.N1	17-JAN-2010 07:24:35	Dark	43.000	70	Zet Pup	2.2460	39000.	86	41214	No
126	GOM_NL__2PRFIN20100117_072613_000000462086_00078_41214_0542.N1	17-JAN-2010 07:26:13	Straylight	45.500	117	Pi Pup	2.7060	3800.0	91	41214	No
127	GOM_NL__2PRFIN20100117_072845_000000402086_00078_41214_0543.N1	17-JAN-2010 07:28:45	Straylight	39.500	23	21Eps CMa	1.5020	26000.	79	41214	No
128	GOM_NL__2PRFIN20100117_073010_000000402086_00078_41214_0544.N1	17-JAN-2010 07:30:10	Straylight	40.000	179	24Omi2CMa	3.0320	24000.	80	41214	No
129	GOM_NL__2PRFIN20100117_073222_000000492086_00078_41214_0545.N1	17-JAN-2010 07:32:22	Straylight	49.000	1	9Alp CMa	-1.4400	11000.	98	41214	No
130	GOM_NL__2PRFIN20100117_073859_000000302086_00078_41214_0546.N1	17-JAN-2010 07:38:59	Twl_and_stray	30.000	8	10Alp CMi	0.40000	6500.0	60	41214	No
131	GOM_NL__2PRFIN20100117_073950_000000402086_00078_41214_0547.N1	17-JAN-2010 07:39:50	Twl_and_stray	40.000	153	3Bet CMi	2.8940	13100.	80	41214	No
132	GOM_NL__2PRFIN20100117_074157_000000382086_00078_41214_0548.N1	17-JAN-2010 07:41:57	Bright	38.000	44	24Gam Gem	1.9280	11000.	76	41214	No
133	GOM_NL__2PRFIN20100117_074341_000000532086_00078_41214_0549.N1	17-JAN-2010 07:43:41	Bright	53.000	151	13Mu Gem	2.8900	3000.0	106	41214	No
134	GOM_NL__2PRFIN20100117_074751_000000372086_00078_41214_0550.N1	17-JAN-2010 07:47:51	Bright	37.000	107	37The Aur	2.6490	11000.	74	41214	No
135	GOM_NL__2PRFIN20100117_075001_000000372086_00078_41214_0551.N1	17-JAN-2010 07:50:01	Bright	36.500	42	34Bet Aur	1.9000	10200.	73	41214	No
136	GOM_NL__2PRFIN20100117_080235_000000332086_00078_41214_0552.N1	17-JAN-2010 08:02:35	Bright	33.000	49	1Alp UMi	1.9900	6300.0	66	41214	No
137	GOM_NL__2PRFIN20100117_080629_000000352086_00078_41214_0553.N1	17-JAN-2010 08:06:29	Bright	35.000	60	7Bet UMi	2.0810	3950.0	70	41214	No
138	GOM_NL__2PRFIN20100117_081051_000000402086_00078_41214_0554.N1	17-JAN-2010 08:10:51	Bright	39.500	119	14Eta Dra	2.7270	4700.0	79	41214	No
139	GOM_NL__2PRFIN20100117_081329_000000382086_00078_41214_0555.N1	17-JAN-2010 08:13:29	Bright	37.500	130	23Bet Dra	2.7990	5800.0	75	41214	No
140	GOM_NL__2PRFIN20100117_082256_000000372086_00078_41214_0556.N1	17-JAN-2010 08:22:56	Bright	37.000	127	27Bet Her	2.7810	4700.0	74	41214	No
141	GOM_NL__2PRFIN20100117_082834_000000632086_00078_41214_0557.N1	17-JAN-2010 08:28:34	Bright	63.000	102	24Alp Ser	2.6000	4250.0	126	41214	No
142	GOM_NL__2PRFIN20100117_083040_000000572086_00078_41214_0558.N1	17-JAN-2010 08:30:40	Bright	57.000	120	1Del Oph	2.7340	3200.0	114	41214	No
143	GOM_NL__2PRFIN20100117_083628_000000482086_00078_41214_0559.N1	17-JAN-2010 08:36:28	Twl_and_stray	48.000	16	21Alp Sco	1.0200	3000.0	96	41214	No
144	GOM_NL__2PRFIN20100117_084147_000000402086_00078_41214_0560.N1	17-JAN-2010 08:41:47	Dark	40.000	131	Gam Lup	2.8000	26000.	80	41214	No
145	GOM_NL__2PRFIN20100117_084335_000000402086_00078_41214_0561.N1	17-JAN-2010 08:43:35	Dark	39.500	109	Bet Lup	2.6770	26000.	79	41214	No
146	GOM_NL__2PRFIN20100117_084506_000000422086_00078_41214_0562.N1	17-JAN-2010 08:45:06	Dark	42.000	78	Alp Lup	2.3040	28000.	84	41214	No
147	GOM_NL__2PRFIN20100117_084735_000000422086_00079_41215_0543.N1	17-JAN-2010 08:47:35	Dark	41.500	4	Alp1Cen	-0.010000	5800.0	83	41215	No
148	GOM_NL__2PRFIN20100117_085111_000000412086_00079_41215_0544.N1	17-JAN-2010 08:51:11	Dark	40.500	20	Bet Cru	1.2530	30000.	81	41215	No
149	GOM_NL__2PRFIN20100117_085514_000000392086_00079_41215_0545.N1	17-JAN-2010 08:55:14	Dark	38.500	124	The Car	2.7640	30000.	77	41215	No
150	GOM_NL__2PRFIN20100117_085638_000000392086_00079_41215_0546.N1	17-JAN-2010 08:56:38	Dark	38.500	159	Ups Car	2.9200	7200.0	77	41215	No
151	GOM_NL__2PRFIN20100117_085830_000000192086_00079_41215_0547.N1	17-JAN-2010 08:58:30	Dark	19.000	71	lot Car	2.2460	7700.0	38	41215	No
152	GOM_NL__2PRFIN20100117_090921_000000432086_00079_41215_0548.N1	17-JAN-2010 09:09:21	Straylight	43.000	23	21Eps CMa	1.5020	26000.	86	41215	No
153	GOM_NL__2PRFIN20100117_091258_000000442086_00079_41215_0549.N1	17-JAN-2010 09:12:58	Straylight	44.000	1	9Alp CMa	-1.4400	11000.	88	41215	No
154	GOM_NL__2PRFIN20100117_091935_000000302086_00079_41215_0550.N1	17-JAN-2010 09:19:35	Twl_and_stray	30.000	8	10Alp CMi	0.40000	6500.0	60	41215	No
155	GOM_NL__2PRFIN20100117_092026_000000422086_00079_41215_0551.N1	17-JAN-2010 09:20:26	Twl_and_stray	41.500	153	3Bet CMi	2.8940	13100.	83	41215	No
156	GOM_NL__2PRFIN20100117_092233_000000362086_00079_41215_0552.N1	17-JAN-2010 09:22:33	Bright	36.000	44	24Gam Gem	1.9280	11000.	72	41215	No
157	GOM_NL__2PRFIN20100117_092417_000000532086_00079_41215_0553.N1	17-JAN-2010 09:24:17	Bright	53.000	151	13Mu Gem	2.8900	3000.0	106	41215	No
158	GOM_NL__2PRFIN20100117_092827_000000452086_00079_41215_0554.N1	17-JAN-2010 09:28:27	Bright	44.500	107	37The Aur	2.6490	11000.	89	41215	No
159	GOM_NL__2PRFIN20100117_093038_000000362086_00079_41215_0555.N1	17-JAN-2010 09:30:38	Bright	35.500	42	34Bet Aur	1.9000	10200.	71	41215	No
160	GOM_NL__2PRFIN20100117_094311_000000352086_00079_41215_0556.N1	17-JAN-2010 09:43:11	Bright	34.500	49	1Alp UMi	1.9900	6300.0	69	41215	No

161	GOM_NL__2PRFIN20100117_094704_000000442086_00079_41215_0557.N1	17-JAN-2010 09:47:04	Bright	43.500	60	7Bet UMi	2.0810	3950.0	87	41215	No
162	GOM_NL__2PRFIN20100117_095127_000000392086_00079_41215_0558.N1	17-JAN-2010 09:51:27	Bright	39.000	119	14Eta Dra	2.7270	4700.0	78	41215	No
163	GOM_NL__2PRFIN20100117_095405_000000382086_00079_41215_0559.N1	17-JAN-2010 09:54:05	Bright	37.500	130	23Bet Dra	2.7990	5800.0	75	41215	No
164	GOM_NL__2PRFIN20100117_100332_000000562086_00079_41215_0560.N1	17-JAN-2010 10:03:32	Bright	56.000	127	27Bet Her	2.7810	4700.0	112	41215	No
165	GOM_NL__2PRFIN20100117_100911_000000632086_00079_41215_0561.N1	17-JAN-2010 10:09:11	Bright	63.000	102	24Alp Ser	2.6000	4250.0	126	41215	No
166	GOM_NL__2PRFIN20100117_101116_000000452086_00079_41215_0562.N1	17-JAN-2010 10:11:16	Bright	45.000	120	1Del Oph	2.7340	3200.0	90	41215	No
167	GOM_NL__2PRFIN20100117_101704_000000532086_00079_41215_0563.N1	17-JAN-2010 10:17:04	Tw_i_and_stray	53.000	16	21Alp Sco	1.0200	3000.0	106	41215	No
168	GOM_NL__2PRFIN20100117_102223_000000392086_00079_41215_0564.N1	17-JAN-2010 10:22:23	Dark	38.500	131	Gam Lup	2.8000	26000.	77	41215	No
169	GOM_NL__2PRFIN20100117_102412_000000422086_00079_41215_0565.N1	17-JAN-2010 10:24:12	Dark	42.000	109	Bet Lup	2.6770	26000.	84	41215	No
170	GOM_NL__2PRFIN20100117_102542_000000412086_00079_41215_0566.N1	17-JAN-2010 10:25:42	Dark	41.000	78	Alp Lup	2.3040	28000.	82	41215	No
171	GOM_NL__2PRFIN20100117_102811_000000462086_00080_41216_0552.N1	17-JAN-2010 10:28:11	Dark	46.000	4	Alp1Cen	-0.010000	5800.0	92	41216	No
172	GOM_NL__2PRFIN20100117_103148_000000412086_00080_41216_0553.N1	17-JAN-2010 10:31:48	Dark	41.000	20	Bet Cru	1.2530	30000.	82	41216	No
173	GOM_NL__2PRFIN20100117_103550_000000392086_00080_41216_0554.N1	17-JAN-2010 10:35:50	Dark	38.500	124	The Car	2.7640	30000.	77	41216	No
174	GOM_NL__2PRFIN20100117_103714_000000382086_00080_41216_0555.N1	17-JAN-2010 10:37:14	Dark	38.000	159	Ups Car	2.9200	7200.0	76	41216	No
175	GOM_NL__2PRFIN20100117_103906_000000472086_00080_41216_0556.N1	17-JAN-2010 10:39:06	Dark	47.000	71	lot Car	2.2460	7700.0	94	41216	No
176	GOM_NL__2PRFIN20100117_171037_000000542086_00084_41220_0591.N1	17-JAN-2010 17:10:37	Dark	54.000	4	Alp1Cen	-0.010000	5800.0	108	41220	No
177	GOM_NL__2PRFIN20100117_171503_000000412086_00084_41220_0592.N1	17-JAN-2010 17:15:03	Dark	41.000	12	Alp1Cru	0.77500	30000.	82	41220	No
178	GOM_NL__2PRFIN20100117_171816_000000392086_00084_41220_0593.N1	17-JAN-2010 17:18:16	Dark	38.500	124	The Car	2.7640	30000.	77	41220	No
179	GOM_NL__2PRFIN20100117_171939_000000402086_00084_41220_0594.N1	17-JAN-2010 17:19:39	Dark	39.500	159	Ups Car	2.9200	7200.0	79	41220	No
180	GOM_NL__2PRFIN20100117_172132_000000442086_00084_41220_0595.N1	17-JAN-2010 17:21:32	Dark	43.500	71	lot Car	2.2460	7700.0	87	41220	No

### 3. Quality information per product

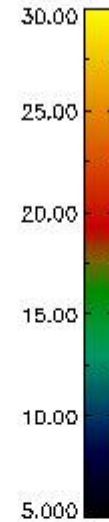
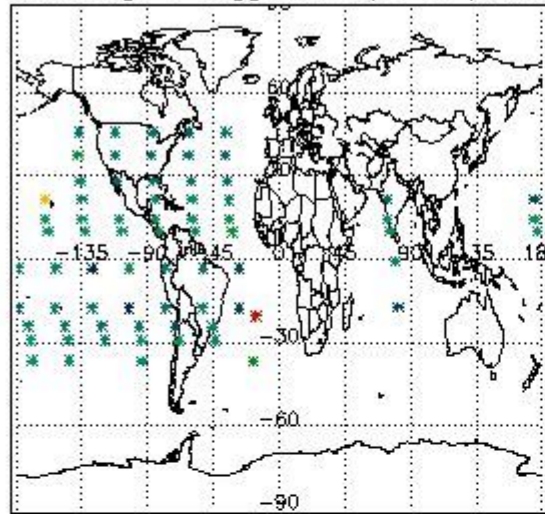
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

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

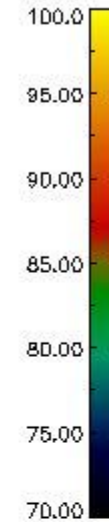
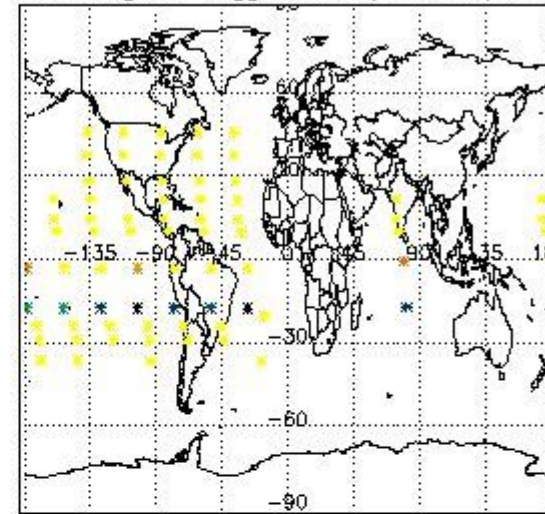


3.2 Plot quality information per product (world map)

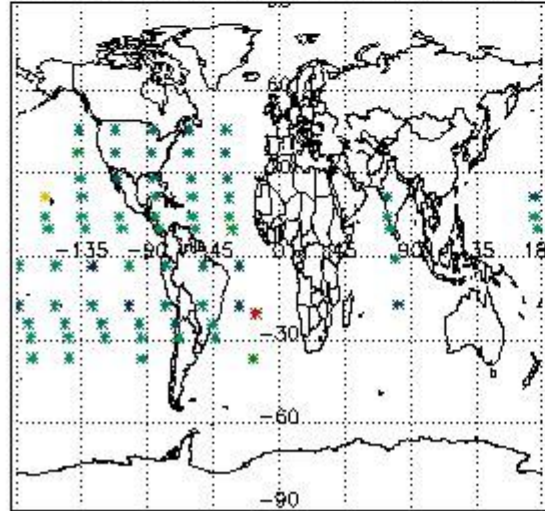
Percentage of flagged data per O3 profile



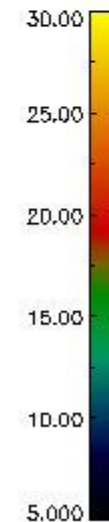
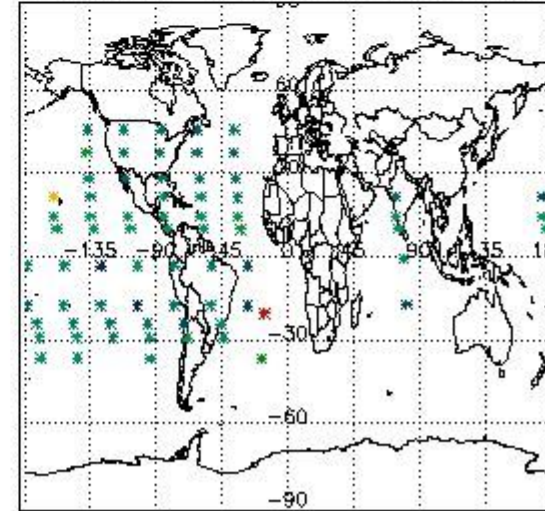
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

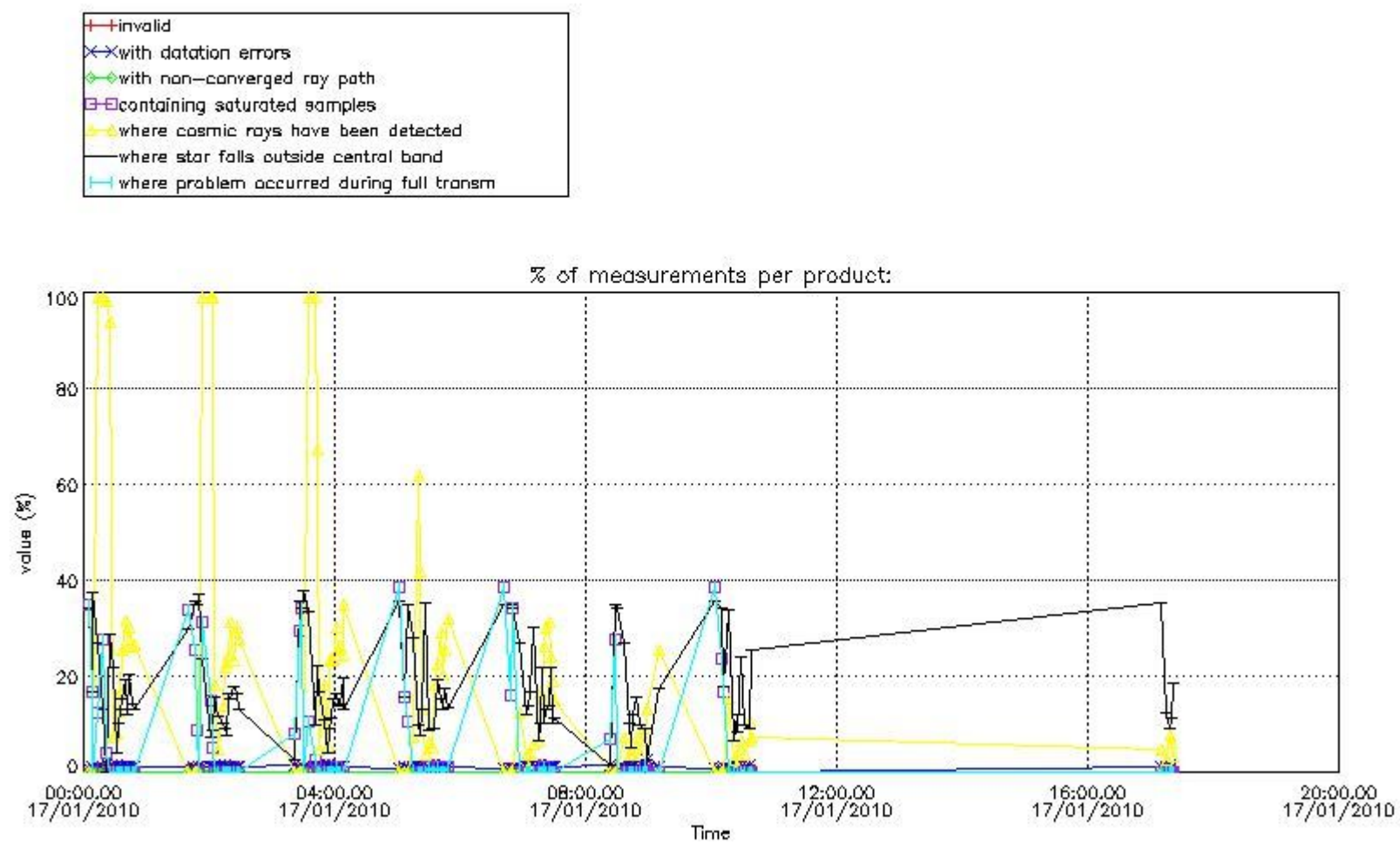


#### 4. Level 1 quality information per product

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

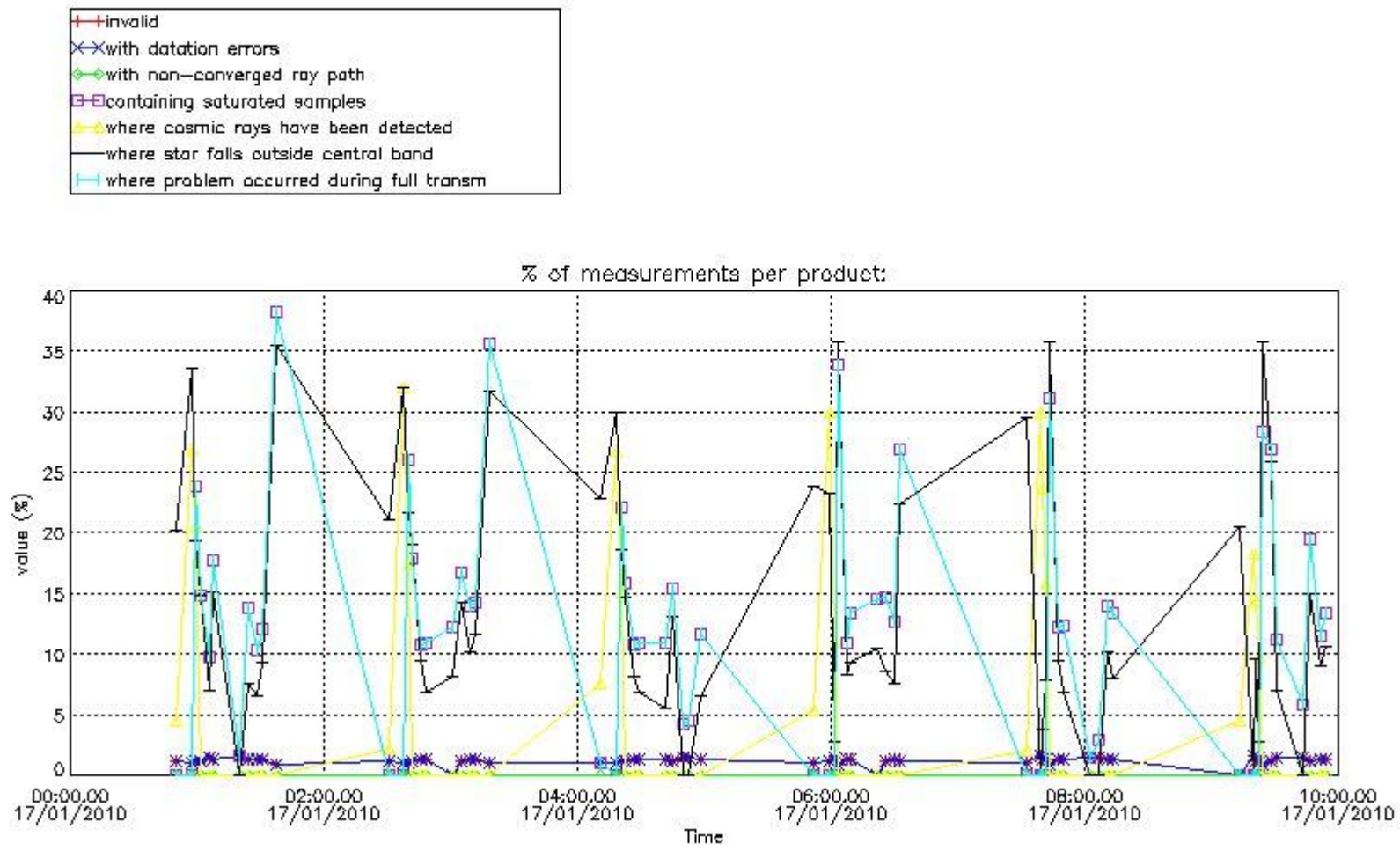
##### 4.1 Plot quality information per product (time dependant) coming from level 1b processing

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



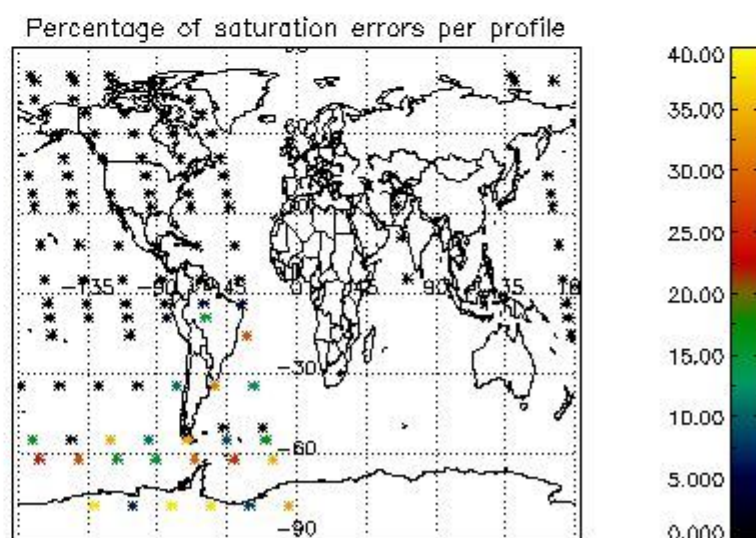
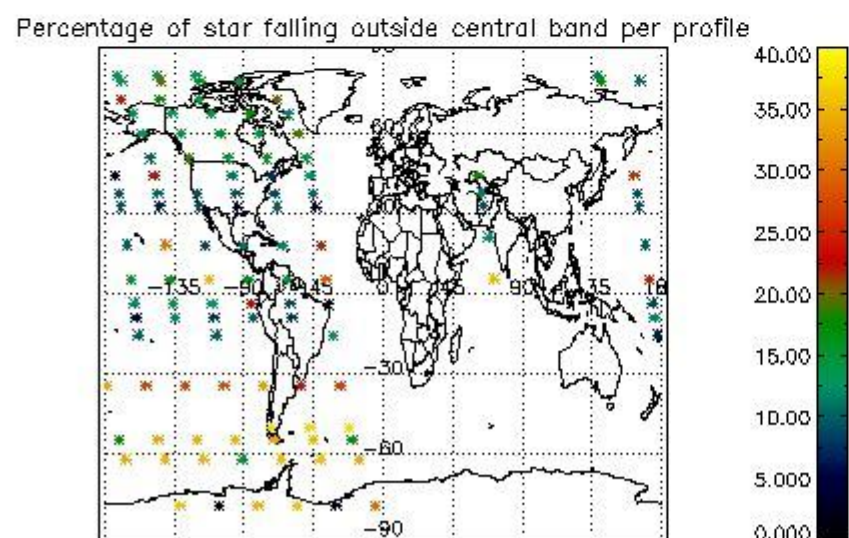
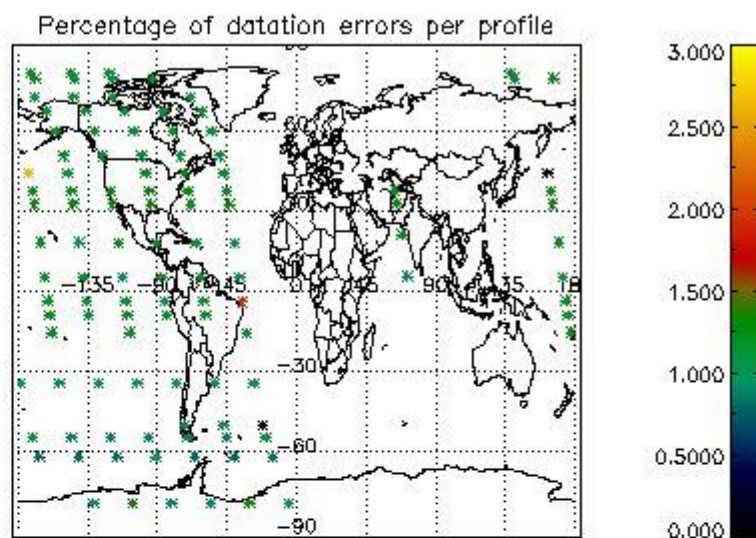
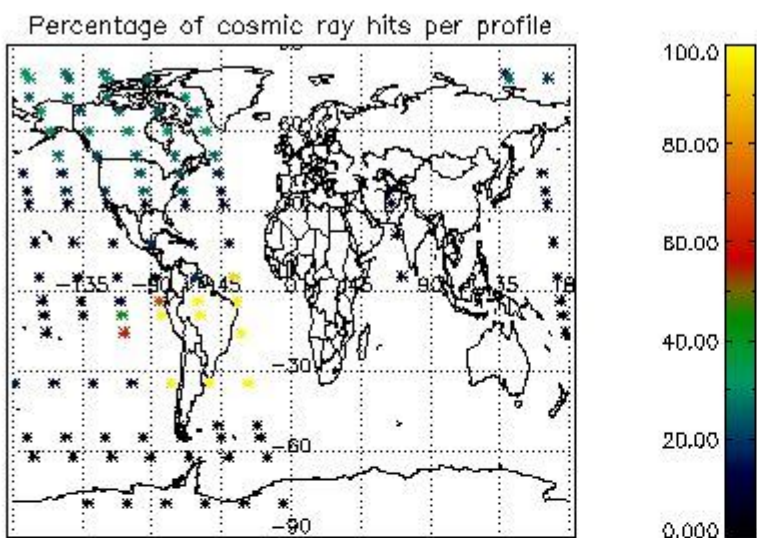
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



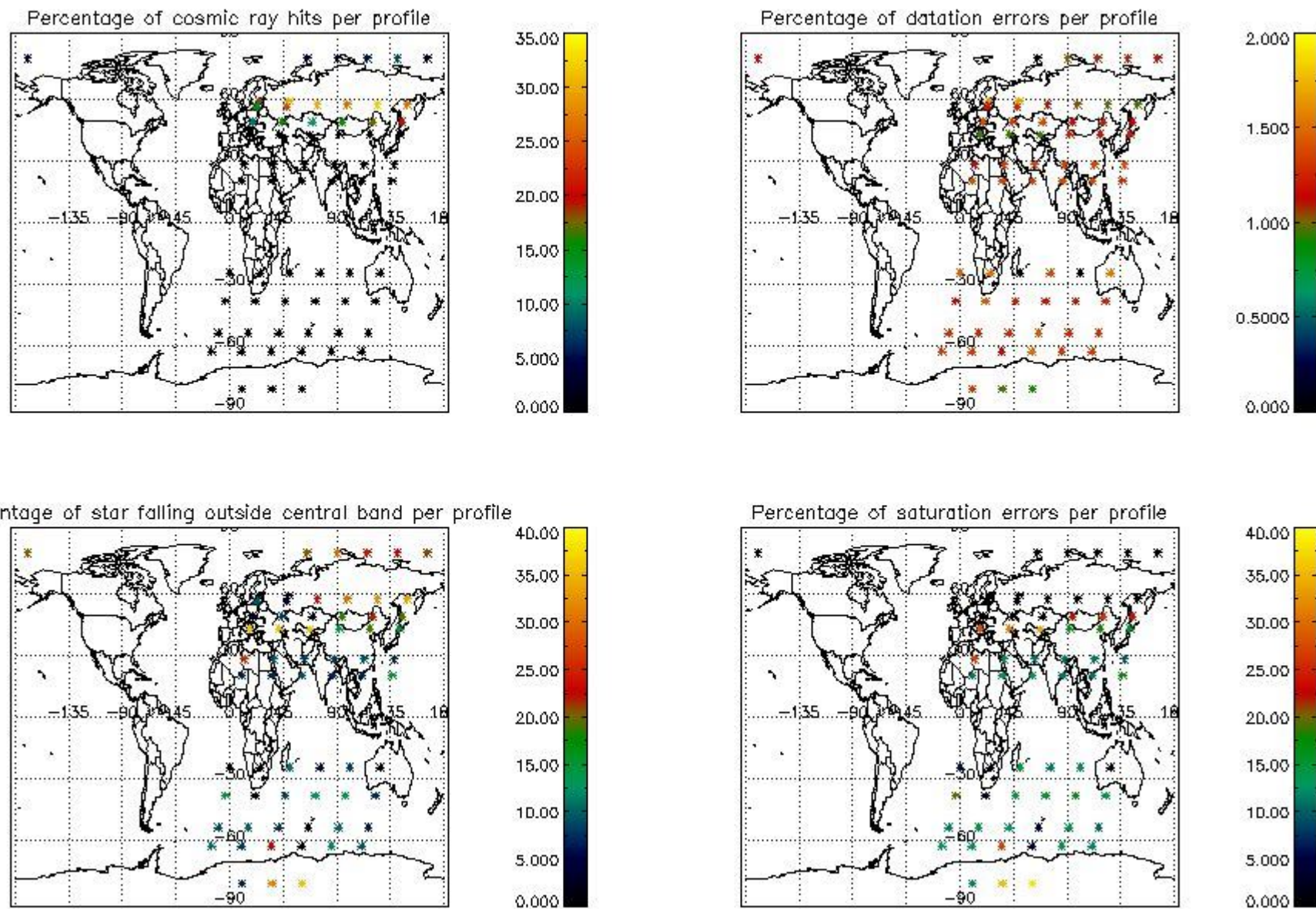


*4.2 Plot quality information per product coming from level 1b processing (world map)*

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



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



## 5. Trace gas profiles

### 5.1 Ozone statistics based on quality of products

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

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

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

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

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

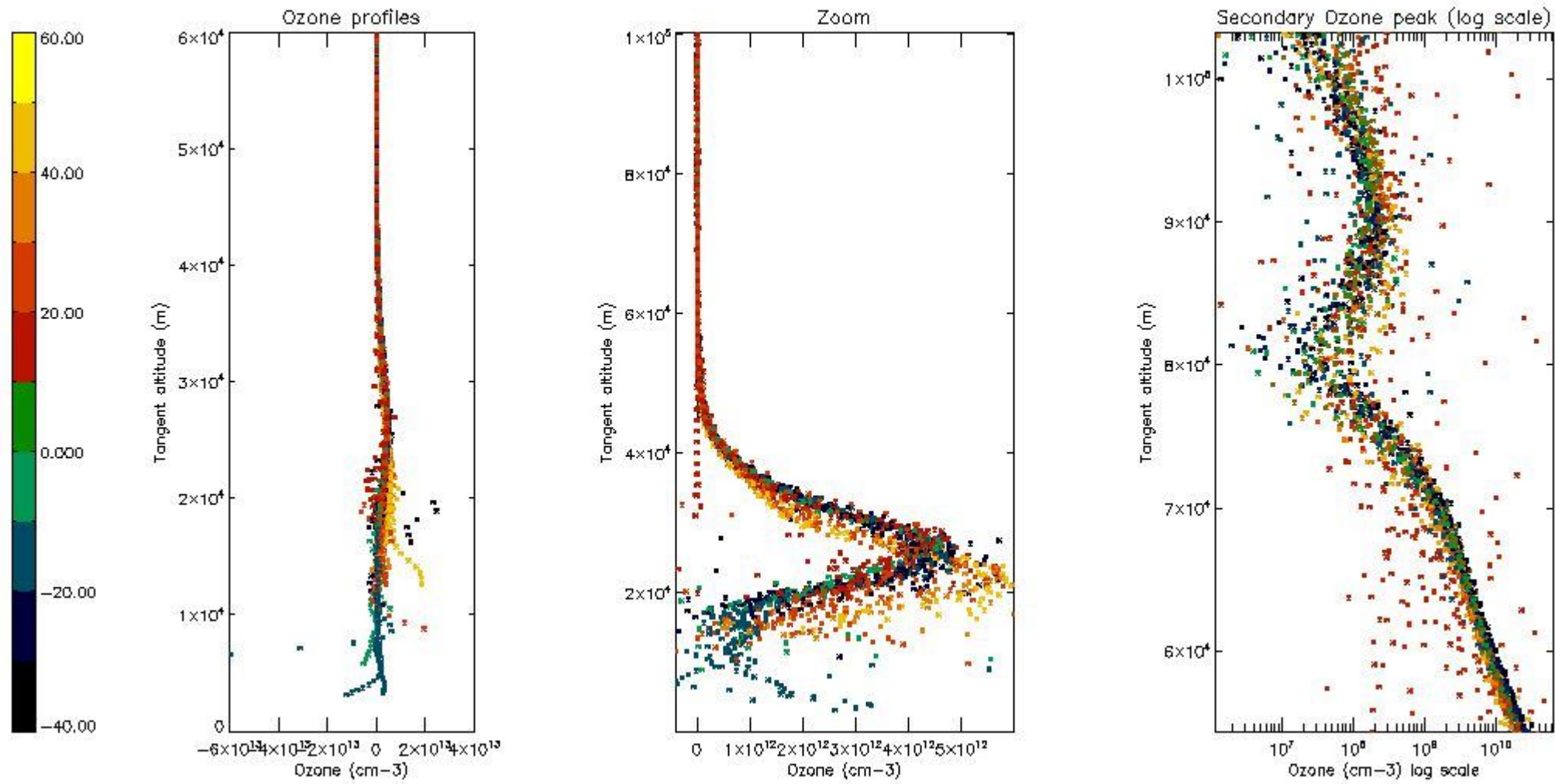
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	38
STD < 20	20

STD < 10	16
STD < 5	12

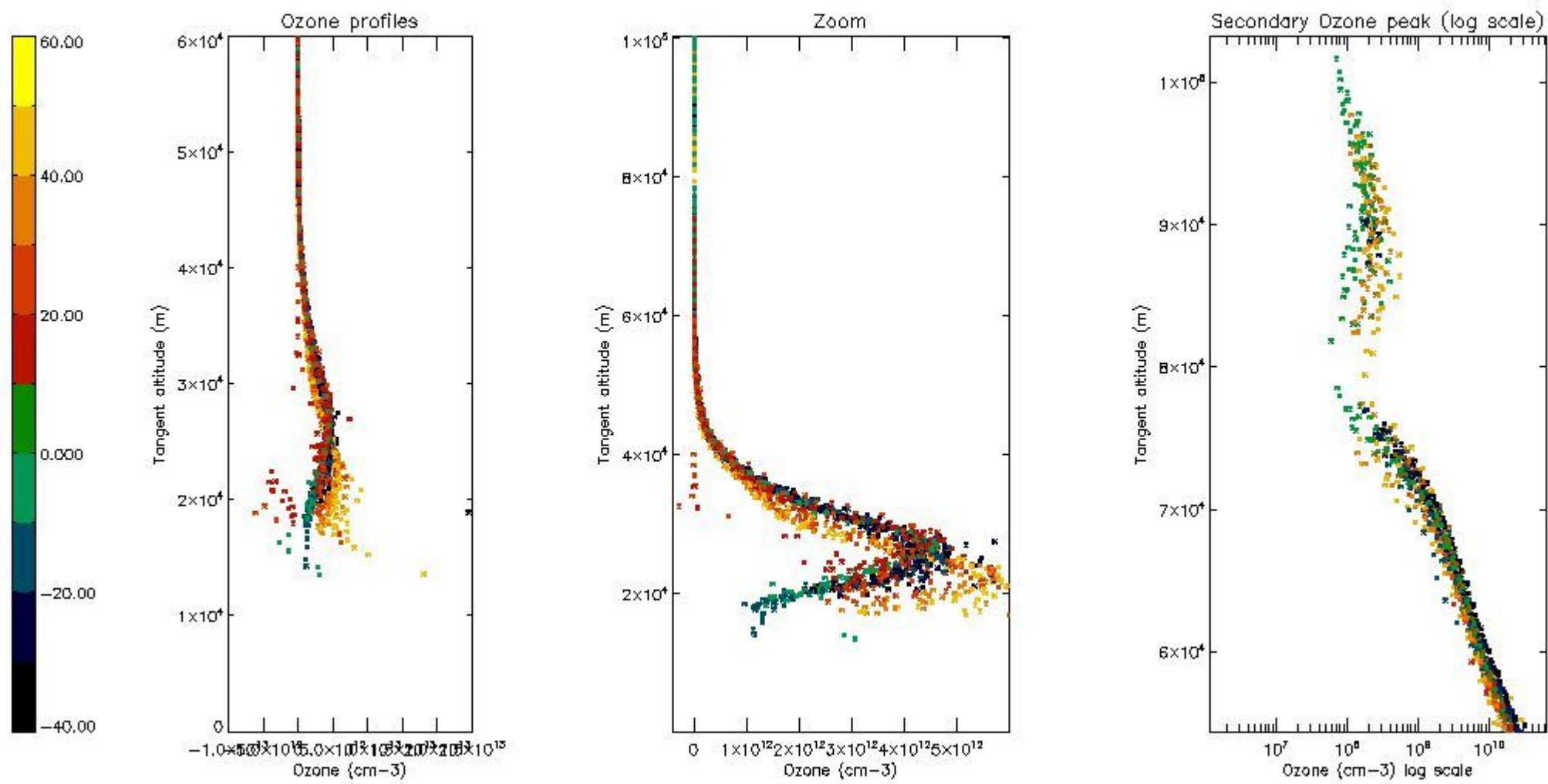
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



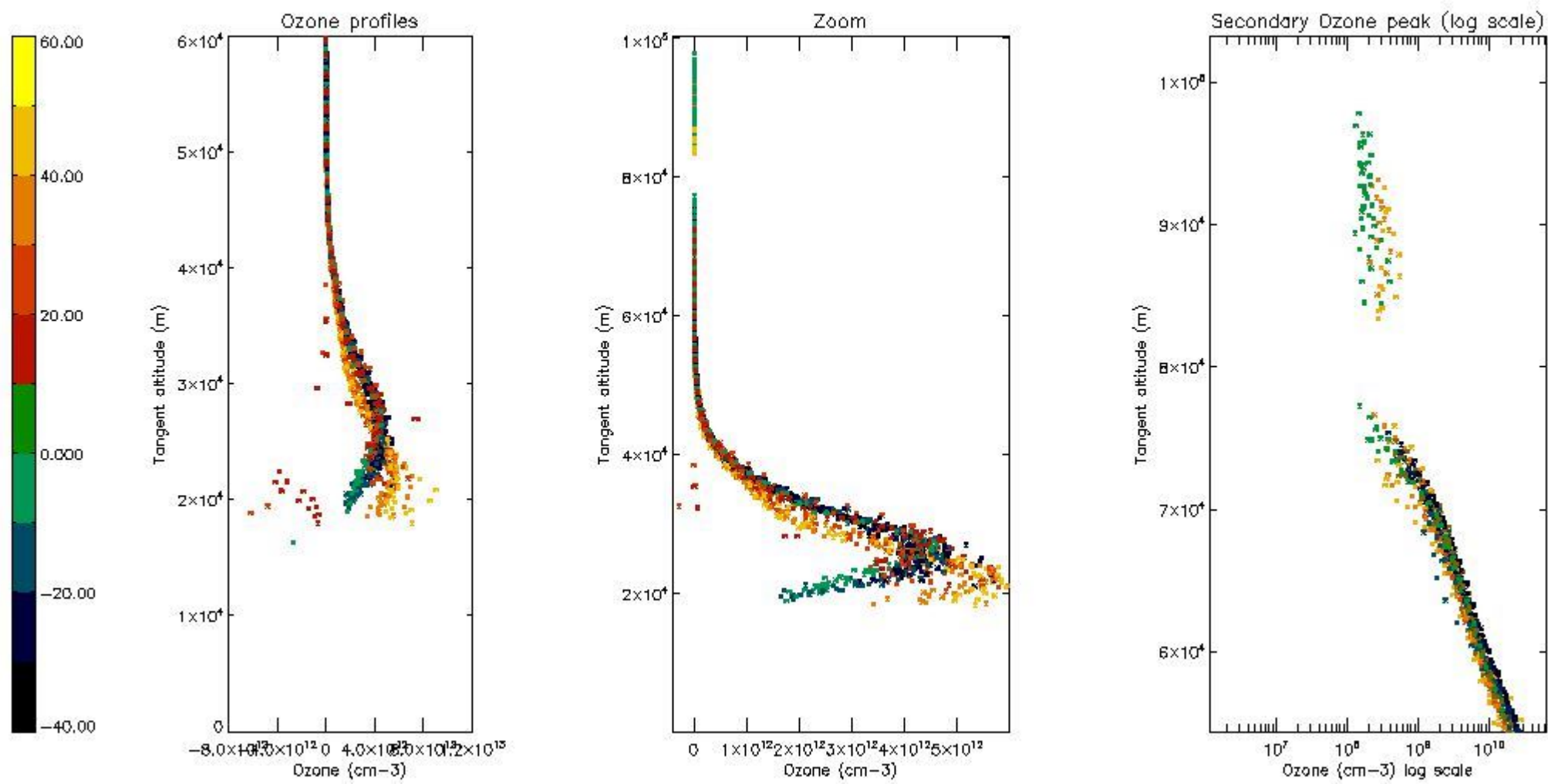
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



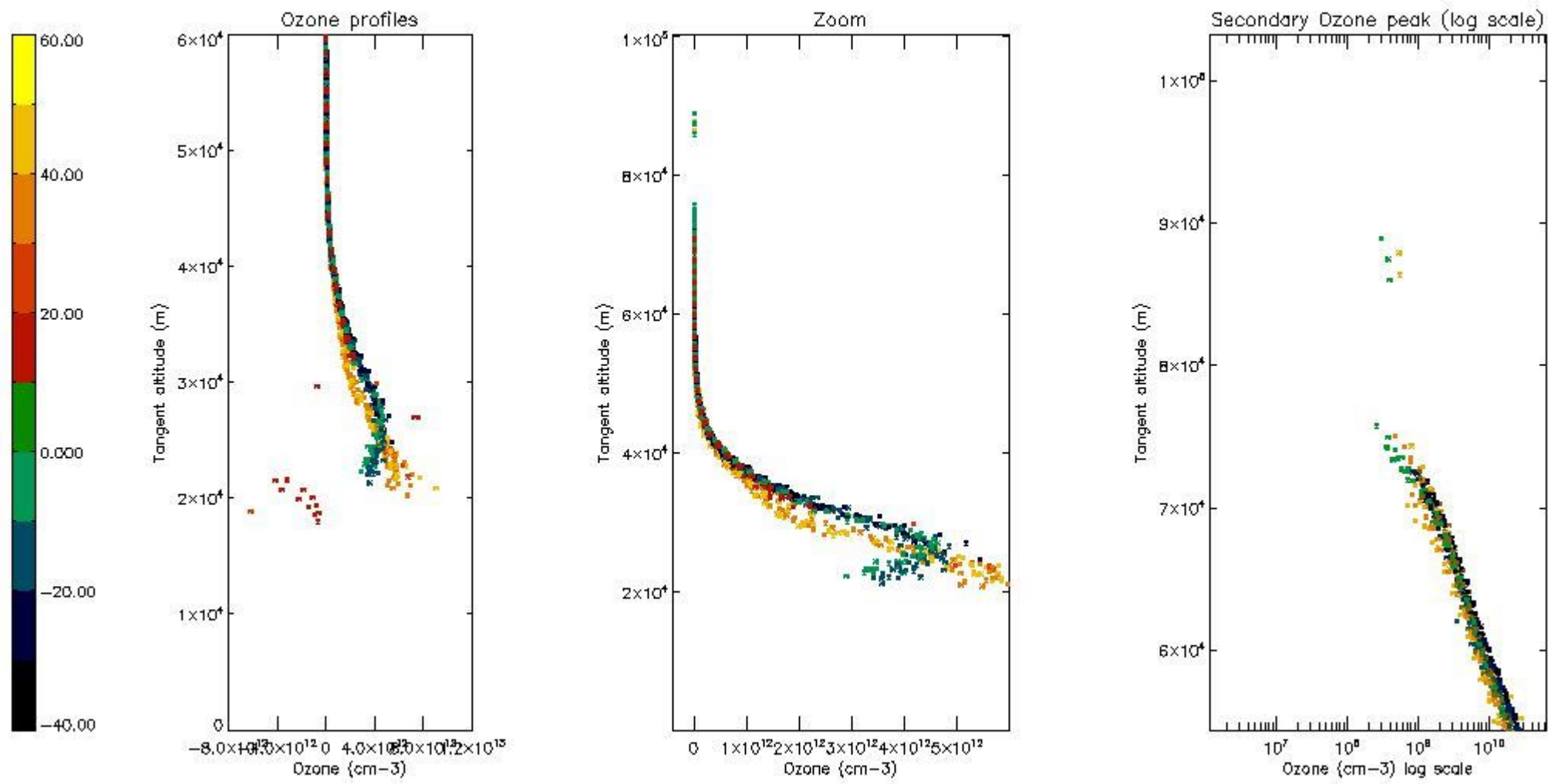
5.4 Plot ozone profiles where  $STD < 10\%$  (dark without errors)

The colorbar represents the latitude.



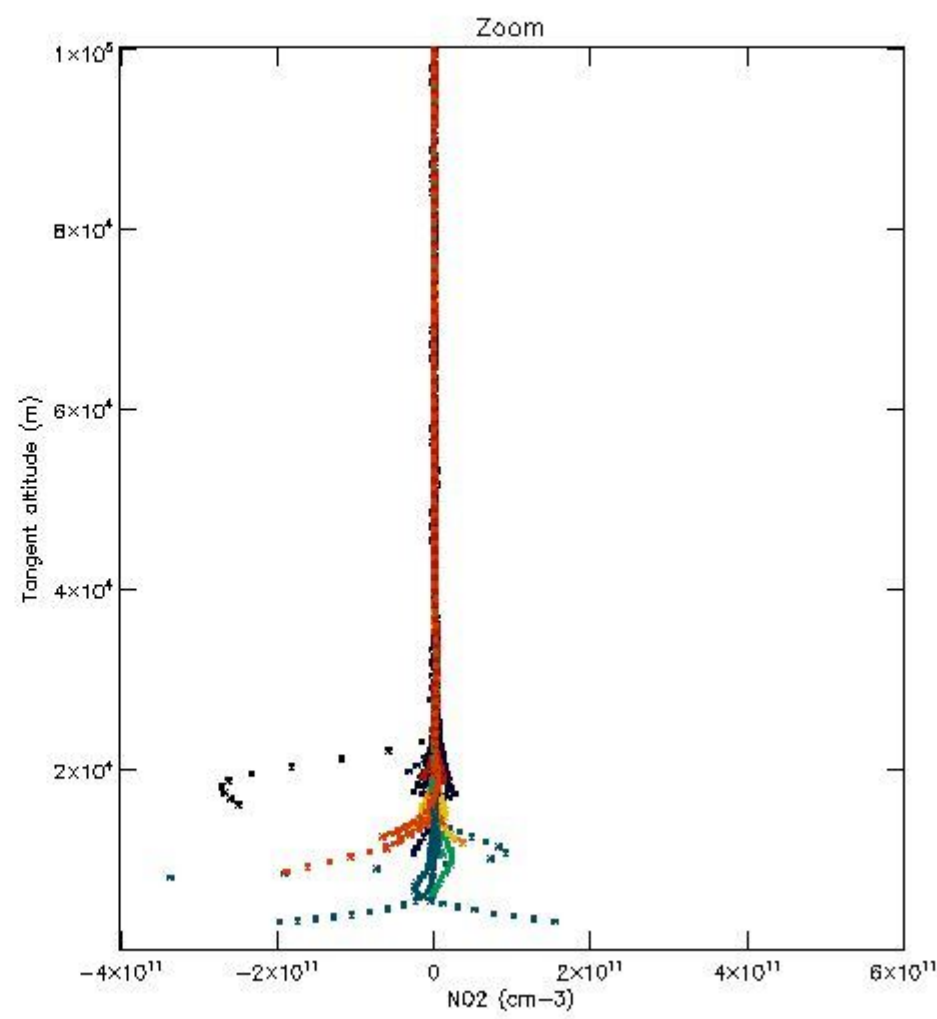
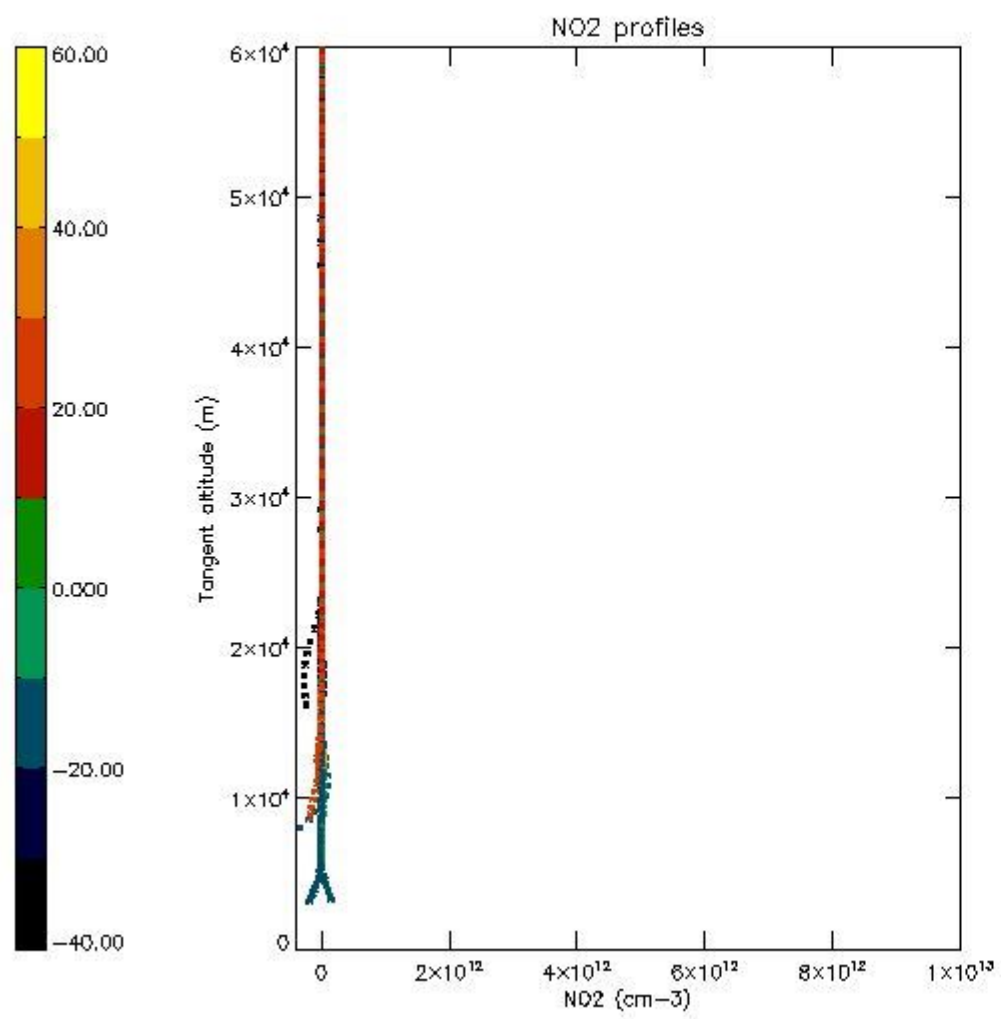
*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

The colorbar represents the latitude.



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

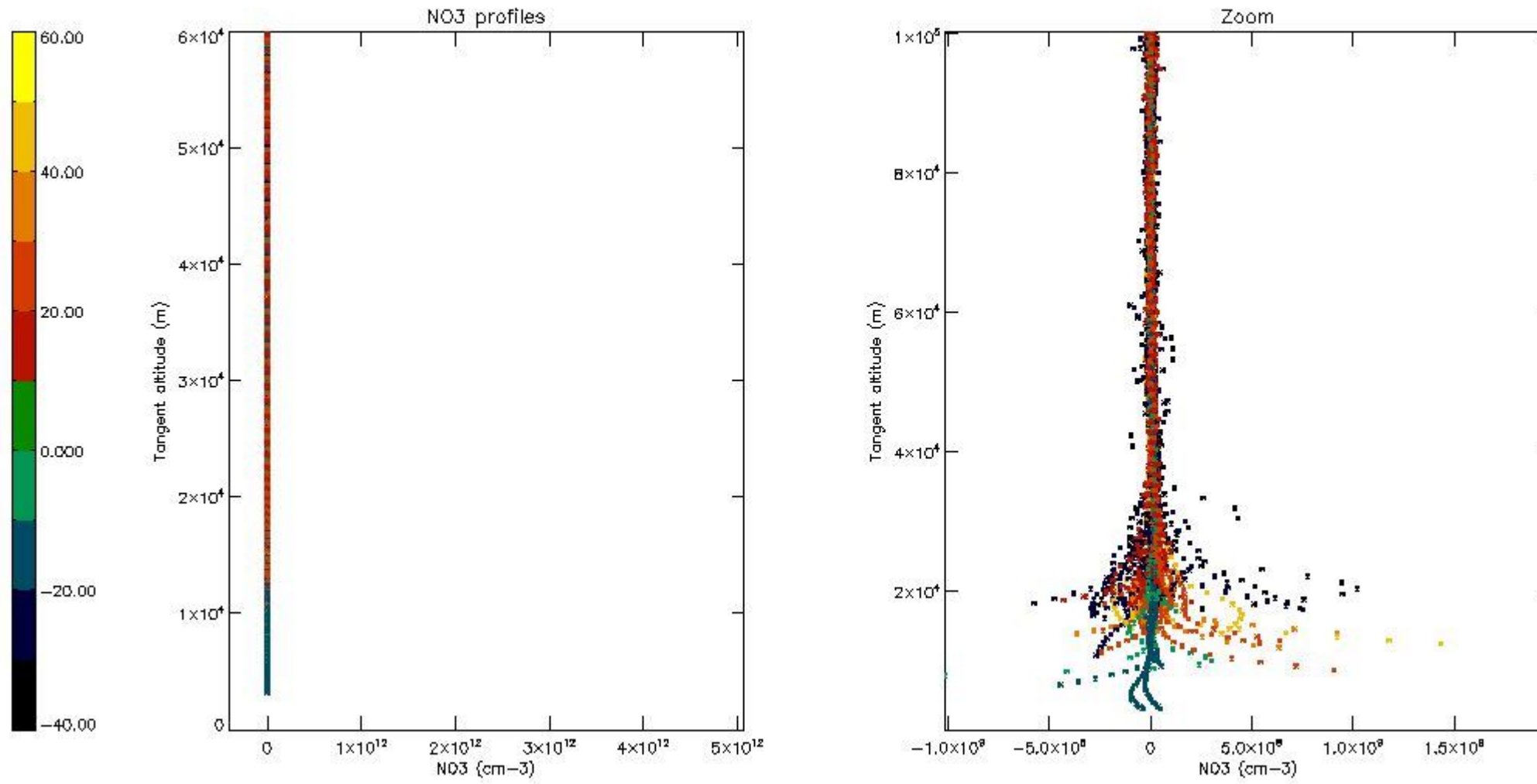
The colorbar represents the latitude.



*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_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	17-JAN-2010 00:05:32
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	17-JAN-2010 00:05:32
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	17-JAN-2010 00:05:32

# GOMOS Level 2 Daily Report

## SUMMARY

### [1. General Info](#)

### [2. Summary of processed GOM\\_NL\\_2P products](#)

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#### [3.2 Plot of level 2 quality information per product \(world map\)](#)

### [4. Level 1 Quality information per product \(stored on level 2 products\)](#)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

This report presents the daily analysis on parameters extracted from GOMOS level 2 data (GOM\_NL\_\_2P). It is intended to monitor some important parameters that will impact the quality of these products. A list of level 2 products (and content) that have arrived during the reporting day to the PCF is also given.

Item	Value
Time of report generation	26APR2013 16:27:43
Data source version	GOMOS/6.01
Start time of products	17-01-2010 (17JAN2010 00:00:00)
Stop time of products	18-01-2010 (18JAN2010 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	180
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__2PRFIN20100117_000532_000000632086_00073_41209_0512.N1	17-JAN-2010 00:05:32	Bright	63.000	102	24Alp Ser	2.6000	4250.0	126	41209	No
2	GOM_NL__2PRFIN20100117_000738_000000452086_00073_41209_0513.N1	17-JAN-2010 00:07:38	Bright	44.500	120	1Del Oph	2.7340	3200.0	89	41209	No
3	GOM_NL__2PRFIN20100117_000858_000000542086_00073_41209_0514.N1	17-JAN-2010 00:08:58	Bright	53.500	98	13Zet Oph	2.5710	30000.	107	41209	No
4	GOM_NL__2PRFIN20100117_001326_000000492086_00073_41209_0515.N1	17-JAN-2010 00:13:26	Twilight	48.500	16	21Alp Sco	1.0200	3000.0	97	41209	No
5	GOM_NL__2PRFIN20100117_001844_000000422086_00073_41209_0516.N1	17-JAN-2010 00:18:44	Dark	41.500	131	Gam Lup	2.8000	26000.	83	41209	No
6	GOM_NL__2PRFIN20100117_002159_000000262086_00073_41209_0517.N1	17-JAN-2010 00:21:59	Dark	26.000	54	5The Cen	2.0550	4500.0	52	41209	No
7	GOM_NL__2PRFIN20100117_002433_000000492086_00074_41210_0498.N1	17-JAN-2010 00:24:33	Dark	49.000	4	Alp1Cen	-0.010000	5800.0	98	41210	No
8	GOM_NL__2PRFIN20100117_002808_000000482086_00074_41210_0499.N1	17-JAN-2010 00:28:08	Dark	48.000	20	Bet Cru	1.2530	30000.	96	41210	No
9	GOM_NL__2PRFIN20100117_003211_000000382086_00074_41210_0500.N1	17-JAN-2010 00:32:11	Dark	38.000	124	The Car	2.7640	30000.	76	41210	No
10	GOM_NL__2PRFIN20100117_003336_000000402086_00074_41210_0501.N1	17-JAN-2010 00:33:36	Dark	39.500	159	Ups Car	2.9200	7200.0	79	41210	No
11	GOM_NL__2PRFIN20100117_003528_000000422086_00074_41210_0502.N1	17-JAN-2010 00:35:28	Dark	41.500	71	lot Car	2.2460	7700.0	83	41210	No
12	GOM_NL__2PRFIN20100117_003719_000000432086_00074_41210_0503.N1	17-JAN-2010 00:37:19	Dark	43.000	46	Del Vel	1.9540	10600.	86	41210	No
13	GOM_NL__2PRFIN20100117_004002_000000452086_00074_41210_0504.N1	17-JAN-2010 00:40:02	Dark	44.500	34	Gam2Vel	1.7930	23000.	89	41210	No
14	GOM_NL__2PRFIN20100117_004210_000000422086_00074_41210_0505.N1	17-JAN-2010 00:42:10	Dark	42.000	70	Zet Pup	2.2460	39000.	84	41210	No
15	GOM_NL__2PRFIN20100117_004348_000000452086_00074_41210_0506.N1	17-JAN-2010 00:43:48	Straylight	44.500	117	Pi Pup	2.7060	3800.0	89	41210	No
16	GOM_NL__2PRFIN20100117_004620_000000422086_00074_41210_0507.N1	17-JAN-2010 00:46:20	Straylight	42.000	23	21Eps CMa	1.5020	26000.	84	41210	No
17	GOM_NL__2PRFIN20100117_004745_000000422086_00074_41210_0508.N1	17-JAN-2010 00:47:45	Straylight	41.500	179	24Omi2CMa	3.0320	24000.	83	41210	No
18	GOM_NL__2PRFIN20100117_004958_000000452086_00074_41210_0509.N1	17-JAN-2010 00:49:58	Straylight	44.500	1	9Alp CMa	-1.4400	11000.	89	41210	No
19	GOM_NL__2PRFIN20100117_005707_000000522086_00074_41210_0510.N1	17-JAN-2010 00:57:07	Twilight	52.000	14	58Alp Ori	0.87000	3000.0	104	41210	No
20	GOM_NL__2PRFIN20100117_005933_000000442086_00074_41210_0511.N1	17-JAN-2010 00:59:33	Bright	44.000	44	24Gam Gem	1.9280	11000.	88	41210	No
21	GOM_NL__2PRFIN20100117_010117_000000412086_00074_41210_0512.N1	17-JAN-2010 01:01:17	Bright	40.500	151	13Mu Gem	2.8900	3000.0	81	41210	No
22	GOM_NL__2PRFIN20100117_010527_000000362086_00074_41210_0513.N1	17-JAN-2010 01:05:27	Bright	36.000	107	37The Aur	2.6490	11000.	72	41210	No
23	GOM_NL__2PRFIN20100117_010737_000000402086_00074_41210_0514.N1	17-JAN-2010 01:07:37	Bright	39.500	42	34Bet Aur	1.9000	10200.	79	41210	No
24	GOM_NL__2PRFIN20100117_012011_000000332086_00074_41210_0515.N1	17-JAN-2010 01:20:11	Bright	32.500	49	1Alp UMi	1.9900	6300.0	65	41210	No
25	GOM_NL__2PRFIN20100117_012405_000000402086_00074_41210_0516.N1	17-JAN-2010 01:24:05	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	41210	No
26	GOM_NL__2PRFIN20100117_012827_000000392086_00074_41210_0517.N1	17-JAN-2010 01:28:27	Bright	38.500	119	14Eta Dra	2.7270	4700.0	77	41210	No
27	GOM_NL__2PRFIN20100117_013105_000000382086_00074_41210_0518.N1	17-JAN-2010 01:31:05	Bright	37.500	130	23Bet Dra	2.7990	5800.0	75	41210	No
28	GOM_NL__2PRFIN20100117_013723_000000552086_00074_41210_0519.N1	17-JAN-2010 01:37:23	Bright	55.000	133	40Zet Her	2.8070	6000.0	110	41210	No
29	GOM_NL__2PRFIN20100117_014031_000000522086_00074_41210_0520.N1	17-JAN-2010 01:40:31	Bright	52.000	127	27Bet Her	2.7810	4700.0	104	41210	No
30	GOM_NL__2PRFIN20100117_014608_000000632086_00074_41210_0521.N1	17-JAN-2010 01:46:08	Bright	63.000	102	24Alp Ser	2.6000	4250.0	126	41210	No
31	GOM_NL__2PRFIN20100117_014814_000000572086_00074_41210_0522.N1	17-JAN-2010 01:48:14	Bright	57.000	120	1Del Oph	2.7340	3200.0	114	41210	No
32	GOM_NL__2PRFIN20100117_014934_000000542086_00074_41210_0523.N1	17-JAN-2010 01:49:34	Bright	54.000	98	13Zet Oph	2.5710	30000.	108	41210	No
33	GOM_NL__2PRFIN20100117_015402_000000472086_00074_41210_0524.N1	17-JAN-2010 01:54:02	Twilight	46.500	16	21Alp Sco	1.0200	3000.0	93	41210	No
34	GOM_NL__2PRFIN20100117_020109_000000412086_00074_41210_0525.N1	17-JAN-2010 02:01:09	Dark	40.500	109	Bet Lup	2.6770	26000.	81	41210	No
35	GOM_NL__2PRFIN20100117_020239_000000412086_00074_41210_0526.N1	17-JAN-2010 02:02:39	Dark	40.500	78	Alp Lup	2.3040	28000.	81	41210	No
36	GOM_NL__2PRFIN20100117_020509_000000422086_00075_41211_0507.N1	17-JAN-2010 02:05:09	Dark	41.500	4	Alp1Cen	-0.010000	5800.0	83	41211	No
37	GOM_NL__2PRFIN20100117_020845_000000432086_00075_41211_0508.N1	17-JAN-2010 02:08:45	Dark	42.500	20	Bet Cru	1.2530	30000.	85	41211	No
38	GOM_NL__2PRFIN20100117_021248_000000402086_00075_41211_0509.N1	17-JAN-2010 02:12:48	Dark	40.000	124	The Car	2.7640	30000.	80	41211	No
39	GOM_NL__2PRFIN20100117_021412_000000392086_00075_41211_0510.N1	17-JAN-2010 02:14:12	Dark	39.000	159	Ups Car	2.9200	7200.0	78	41211	No
40	GOM_NL__2PRFIN20100117_021605_000000402086_00075_41211_0511.N1	17-JAN-2010 02:16:05	Dark	39.500	71	lot Car	2.2460	7700.0	79	41211	No
41	GOM_NL__2PRFIN20100117_021756_000000432086_00075_41211_0512.N1	17-JAN-2010 02:17:56	Dark	43.000	46	Del Vel	1.9540	10600.	86	41211	No
42	GOM_NL__2PRFIN20100117_022038_000000432086_00075_41211_0513.N1	17-JAN-2010 02:20:38	Dark	43.000	34	Gam2Vel	1.7930	23000.	86	41211	No

43	GOM_NL__2PRFIN20100117_022246_000000452086_00075_41211_0514.N1	17-JAN-2010 02:22:46	Dark	45.000	70	Zet Pup	2.2460	39000.	90	41211	No
44	GOM_NL__2PRFIN20100117_022656_000000432086_00075_41211_0515.N1	17-JAN-2010 02:26:56	Straylight	43.000	23	21Eps CMa	1.5020	26000.	86	41211	No
45	GOM_NL__2PRFIN20100117_022821_000000422086_00075_41211_0516.N1	17-JAN-2010 02:28:21	Straylight	41.500	179	24Omi2CMa	3.0320	24000.	83	41211	No
46	GOM_NL__2PRFIN20100117_023034_000000452086_00075_41211_0517.N1	17-JAN-2010 02:30:34	Straylight	45.000	1	9Alp CMa	-1.4400	11000.	90	41211	No
47	GOM_NL__2PRFIN20100117_023743_000000522086_00075_41211_0518.N1	17-JAN-2010 02:37:43	Tw_i_and_stray	51.500	14	58Alp Ori	0.87000	3000.0	103	41211	No
48	GOM_NL__2PRFIN20100117_024009_000000462086_00075_41211_0519.N1	17-JAN-2010 02:40:09	Bright	46.000	44	24Gam Gem	1.9280	11000.	92	41211	No
49	GOM_NL__2PRFIN20100117_024153_000000422086_00075_41211_0520.N1	17-JAN-2010 02:41:53	Bright	42.000	151	13Mu Gem	2.8900	3000.0	84	41211	No
50	GOM_NL__2PRFIN20100117_024602_000000372086_00075_41211_0521.N1	17-JAN-2010 02:46:02	Bright	37.000	107	37The Aur	2.6490	11000.	74	41211	No
51	GOM_NL__2PRFIN20100117_024813_000000372086_00075_41211_0522.N1	17-JAN-2010 02:48:13	Bright	36.500	42	34Bet Aur	1.9000	10200.	73	41211	No
52	GOM_NL__2PRFIN20100117_030047_000000372086_00075_41211_0523.N1	17-JAN-2010 03:00:47	Bright	37.000	49	1Alp UMi	1.9900	6300.0	74	41211	No
53	GOM_NL__2PRFIN20100117_030441_000000422086_00075_41211_0524.N1	17-JAN-2010 03:04:41	Bright	42.000	60	7Bet UMi	2.0810	3950.0	84	41211	No
54	GOM_NL__2PRFIN20100117_030903_000000402086_00075_41211_0525.N1	17-JAN-2010 03:09:03	Bright	39.500	119	14Eta Dra	2.7270	4700.0	79	41211	No
55	GOM_NL__2PRFIN20100117_031141_000000392086_00075_41211_0526.N1	17-JAN-2010 03:11:41	Bright	38.500	130	23Bet Dra	2.7990	5800.0	77	41211	No
56	GOM_NL__2PRFIN20100117_031759_000000522086_00075_41211_0527.N1	17-JAN-2010 03:17:59	Bright	52.000	133	40Zet Her	2.8070	6000.0	104	41211	No
57	GOM_NL__2PRFIN20100117_032107_000000382086_00075_41211_0528.N1	17-JAN-2010 03:21:07	Bright	37.500	127	27Bet Her	2.7810	4700.0	75	41211	No
58	GOM_NL__2PRFIN20100117_032645_000000632086_00075_41211_0529.N1	17-JAN-2010 03:26:45	Bright	63.000	102	24Alp Ser	2.6000	4250.0	126	41211	No
59	GOM_NL__2PRFIN20100117_032851_000000572086_00075_41211_0530.N1	17-JAN-2010 03:28:51	Bright	57.000	120	1Del Oph	2.7340	3200.0	114	41211	No
60	GOM_NL__2PRFIN20100117_033011_000000542086_00075_41211_0531.N1	17-JAN-2010 03:30:11	Bright	54.000	98	13Zet Oph	2.5710	30000.	108	41211	No
61	GOM_NL__2PRFIN20100117_033439_000000532086_00075_41211_0532.N1	17-JAN-2010 03:34:39	Tw_i_and_stray	52.500	16	21Alp Sco	1.0200	3000.0	105	41211	No
62	GOM_NL__2PRFIN20100117_034145_000000422086_00075_41211_0533.N1	17-JAN-2010 03:41:45	Dark	41.500	109	Bet Lup	2.6770	26000.	83	41211	No
63	GOM_NL__2PRFIN20100117_034316_000000482086_00075_41211_0534.N1	17-JAN-2010 03:43:16	Dark	47.500	78	Alp Lup	2.3040	28000.	95	41211	No
64	GOM_NL__2PRFIN20100117_034546_000000422086_00076_41212_0515.N1	17-JAN-2010 03:45:46	Dark	42.000	4	Alp1Cen	-0.010000	5800.0	84	41212	No
65	GOM_NL__2PRFIN20100117_034921_000000422086_00076_41212_0516.N1	17-JAN-2010 03:49:21	Dark	41.500	20	Bet Cru	1.2530	30000.	83	41212	No
66	GOM_NL__2PRFIN20100117_035325_000000382086_00076_41212_0517.N1	17-JAN-2010 03:53:25	Dark	37.500	124	The Car	2.7640	30000.	75	41212	No
67	GOM_NL__2PRFIN20100117_035449_000000392086_00076_41212_0518.N1	17-JAN-2010 03:54:49	Dark	38.500	159	Ups Car	2.9200	7200.0	77	41212	No
68	GOM_NL__2PRFIN20100117_035641_000000402086_00076_41212_0519.N1	17-JAN-2010 03:56:41	Dark	40.000	71	lot Car	2.2460	7700.0	80	41212	No
69	GOM_NL__2PRFIN20100117_035832_000000432086_00076_41212_0520.N1	17-JAN-2010 03:58:32	Dark	43.000	46	Del Vel	1.9540	10600.	86	41212	No
70	GOM_NL__2PRFIN20100117_040114_000000432086_00076_41212_0521.N1	17-JAN-2010 04:01:14	Dark	43.000	34	Gam2Vel	1.7930	23000.	86	41212	No
71	GOM_NL__2PRFIN20100117_040322_000000432086_00076_41212_0522.N1	17-JAN-2010 04:03:22	Dark	43.000	70	Zet Pup	2.2460	39000.	86	41212	No
72	GOM_NL__2PRFIN20100117_040501_000000422086_00076_41212_0523.N1	17-JAN-2010 04:05:01	Straylight	42.000	117	Pi Pup	2.7060	3800.0	84	41212	No
73	GOM_NL__2PRFIN20100117_040733_000000432086_00076_41212_0524.N1	17-JAN-2010 04:07:33	Straylight	43.000	23	21Eps CMa	1.5020	26000.	86	41212	No
74	GOM_NL__2PRFIN20100117_040857_000000422086_00076_41212_0525.N1	17-JAN-2010 04:08:57	Straylight	41.500	179	24Omi2CMa	3.0320	24000.	83	41212	No
75	GOM_NL__2PRFIN20100117_041110_000000462086_00076_41212_0526.N1	17-JAN-2010 04:11:10	Straylight	46.000	1	9Alp CMa	-1.4400	11000.	92	41212	No
76	GOM_NL__2PRFIN20100117_041820_000000492086_00076_41212_0527.N1	17-JAN-2010 04:18:20	Tw_i_and_stray	48.500	14	58Alp Ori	0.87000	3000.0	97	41212	No
77	GOM_NL__2PRFIN20100117_042046_000000432086_00076_41212_0528.N1	17-JAN-2010 04:20:46	Bright	43.000	44	24Gam Gem	1.9280	11000.	86	41212	No
78	GOM_NL__2PRFIN20100117_042229_000000412086_00076_41212_0529.N1	17-JAN-2010 04:22:29	Bright	41.000	151	13Mu Gem	2.8900	3000.0	82	41212	No
79	GOM_NL__2PRFIN20100117_042638_000000372086_00076_41212_0530.N1	17-JAN-2010 04:26:38	Bright	37.000	107	37The Aur	2.6490	11000.	74	41212	No
80	GOM_NL__2PRFIN20100117_042849_000000372086_00076_41212_0531.N1	17-JAN-2010 04:28:49	Bright	36.500	42	34Bet Aur	1.9000	10200.	73	41212	No
81	GOM_NL__2PRFIN20100117_044123_000000372086_00076_41212_0532.N1	17-JAN-2010 04:41:23	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	41212	No
82	GOM_NL__2PRFIN20100117_044517_000000422086_00076_41212_0533.N1	17-JAN-2010 04:45:17	Bright	42.000	60	7Bet UMi	2.0810	3950.0	84	41212	No
83	GOM_NL__2PRFIN20100117_044939_000000352086_00076_41212_0534.N1	17-JAN-2010 04:49:39	Bright	35.000	119	14Eta Dra	2.7270	4700.0	70	41212	No
84	GOM_NL__2PRFIN20100117_045217_000000342086_00076_41212_0535.N1	17-JAN-2010 04:52:17	Bright	33.500	130	23Bet Dra	2.7990	5800.0	67	41212	No
85	GOM_NL__2PRFIN20100117_045835_000000392086_00076_41212_0536.N1	17-JAN-2010 04:58:35	Bright	38.500	133	40Zet Her	2.8070	6000.0	77	41212	No
86	GOM_NL__2PRFIN20100117_050144_000000562086_00076_41212_0537.N1	17-JAN-2010 05:01:44	Bright	56.000	127	27Bet Her	2.7810	4700.0	112	41212	No
87	GOM_NL__2PRFIN20100117_050721_000000492086_00076_41212_0538.N1	17-JAN-2010 05:07:21	Bright	48.500	102	24Alp Ser	2.6000	4250.0	97	41212	No
88	GOM_NL__2PRFIN20100117_050927_000000572086_00076_41212_0539.N1	17-JAN-2010 05:09:27	Bright	57.000	120	1Del Oph	2.7340	3200.0	114	41212	No
89	GOM_NL__2PRFIN20100117_051515_000000492086_00076_41212_0540.N1	17-JAN-2010 05:15:15	Tw_i_and_stray	48.500	16	21Alp Sco	1.0200	3000.0	97	41212	No
90	GOM_NL__2PRFIN20100117_052034_000000412086_00076_41212_0541.N1	17-JAN-2010 05:20:34	Dark	40.500	131	Gam Lup	2.8000	26000.	81	41212	No
91	GOM_NL__2PRFIN20100117_052222_000000402086_00076_41212_0542.N1	17-JAN-2010 05:22:22	Dark	39.500	109	Bet Lup	2.6770	26000.	79	41212	No
92	GOM_NL__2PRFIN20100117_052353_000000432086_00076_41212_0543.N1	17-JAN-2010 05:23:53	Dark	42.500	78	Alp Lup	2.3040	28000.	85	41212	No
93	GOM_NL__2PRFIN20100117_052622_000000542086_00077_41213_0525.N1	17-JAN-2010 05:26:22	Dark	54.000	4	Alp1Cen	-0.010000	5800.0	108	41213	No
94	GOM_NL__2PRFIN20100117_052958_000000412086_00077_41213_0526.N1	17-JAN-2010 05:29:58	Dark	40.500	20	Bet Cru	1.2530	30000.	81	41213	No
95	GOM_NL__2PRFIN20100117_053401_000000392086_00077_41213_0527.N1	17-JAN-2010 05:34:01	Dark	39.000	124	The Car	2.7640	30000.	78	41213	No
96	GOM_NL__2PRFIN20100117_053525_000000392086_00077_41213_0528.N1	17-JAN-2010 05:35:25	Dark	38.500	159	Ups Car	2.9200	7200.0	77	41213	No
97	GOM_NL__2PRFIN20100117_053909_000000452086_00077_41213_0529.N1	17-JAN-2010 05:39:09	Dark	44.500	46	Del Vel	1.9540	10600.	89	41213	No
98	GOM_NL__2PRFIN20100117_054150_000000432086_00077_41213_0530.N1	17-JAN-2010 05:41:50	Dark	43.000	34	Gam2Vel	1.7930	23000.	86	41213	No
99	GOM_NL__2PRFIN20100117_054359_000000422086_00077_41213_0531.N1	17-JAN-2010 05:43:59	Dark	41.500	70	Zet Pup	2.2460	39000.	83	41213	No
100	GOM_NL__2PRFIN20100117_054537_000000432086_00077_41213_0532.N1	17-JAN-2010 05:45:37	Straylight	43.000	117	Pi Pup	2.7060	3800.0	86	41213	No
101	GOM_NL__2PRFIN20100117_054809_000000412086_00077_41213_0533.N1	17-JAN-2010 05:48:09	Straylight	40.500	23	21Eps CMa	1.5020	26000.	81	41213	No

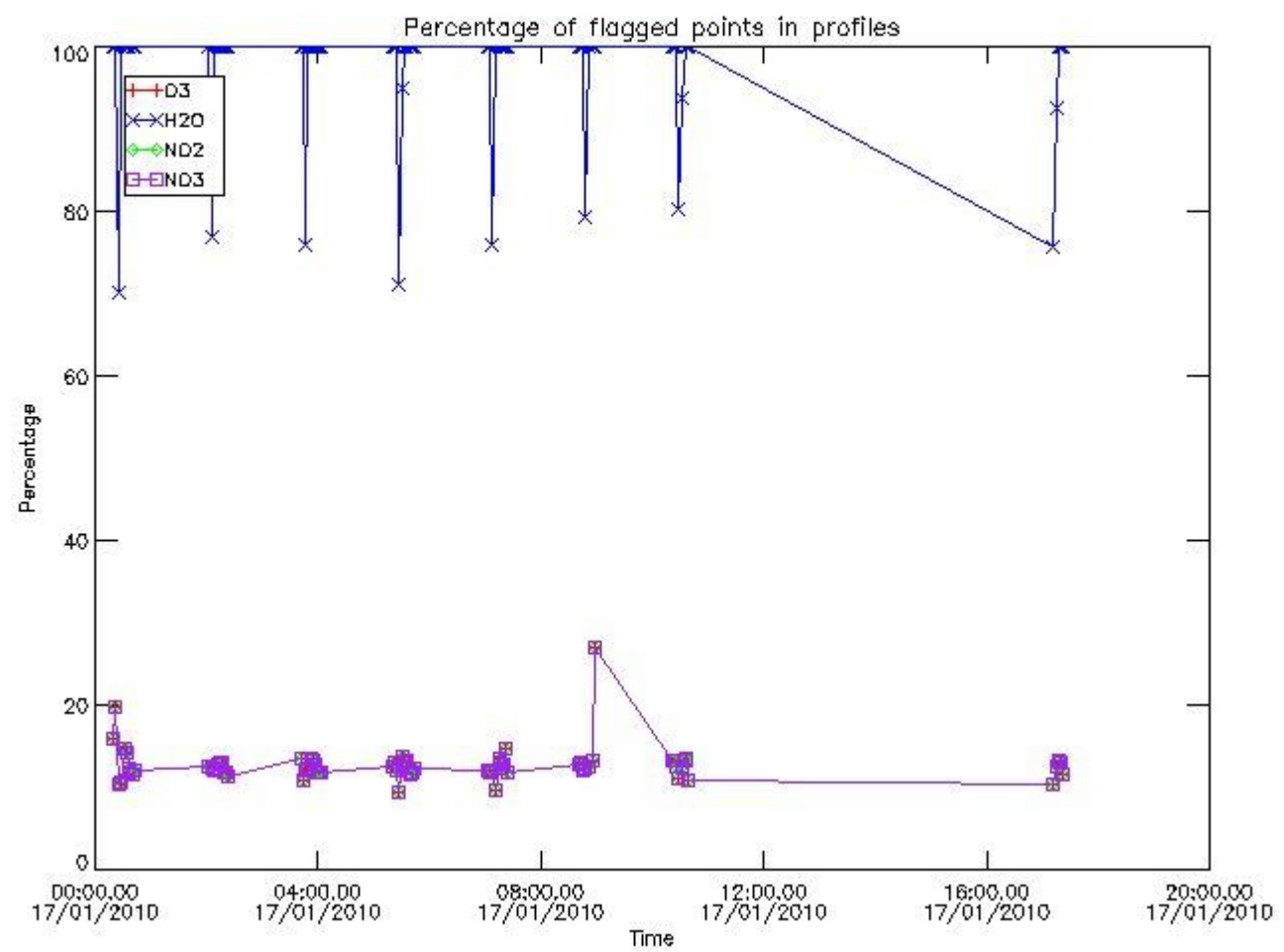
102	GOM_NL__2PRFIN20100117_055146_000000462086_00077_41213_0534.N1	17-JAN-2010 05:51:46	Straylight	46.000	1	9Alp CMa	-1.4400	11000.	92	41213	No
103	GOM_NL__2PRFIN20100117_055856_000000452086_00077_41213_0535.N1	17-JAN-2010 05:58:56	Twl_and_stray	45.000	14	58Alp Ori	0.87000	3000.0	90	41213	No
104	GOM_NL__2PRFIN20100117_060121_000000362086_00077_41213_0536.N1	17-JAN-2010 06:01:21	Bright	36.000	44	24Gam Gem	1.9280	11000.	72	41213	No
105	GOM_NL__2PRFIN20100117_060305_000000532086_00077_41213_0537.N1	17-JAN-2010 06:03:05	Bright	53.000	151	13Mu Gem	2.8900	3000.0	106	41213	No
106	GOM_NL__2PRFIN20100117_060715_000000372086_00077_41213_0538.N1	17-JAN-2010 06:07:15	Bright	36.500	107	37The Aur	2.6490	11000.	73	41213	No
107	GOM_NL__2PRFIN20100117_060925_000000382086_00077_41213_0539.N1	17-JAN-2010 06:09:25	Bright	37.500	42	34Bet Aur	1.9000	10200.	75	41213	No
108	GOM_NL__2PRFIN20100117_062159_000000382086_00077_41213_0540.N1	17-JAN-2010 06:21:59	Bright	38.000	49	1Alp UMi	1.9900	6300.0	76	41213	No
109	GOM_NL__2PRFIN20100117_062553_000000412086_00077_41213_0541.N1	17-JAN-2010 06:25:53	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	41213	No
110	GOM_NL__2PRFIN20100117_063015_000000402086_00077_41213_0542.N1	17-JAN-2010 06:30:15	Bright	39.500	119	14Eta Dra	2.7270	4700.0	79	41213	No
111	GOM_NL__2PRFIN20100117_063253_000000452086_00077_41213_0543.N1	17-JAN-2010 06:32:53	Bright	44.500	130	23Bet Dra	2.7990	5800.0	89	41213	No
112	GOM_NL__2PRFIN20100117_064220_000000562086_00077_41213_0544.N1	17-JAN-2010 06:42:20	Bright	56.000	127	27Bet Her	2.7810	4700.0	112	41213	No
113	GOM_NL__2PRFIN20100117_064757_000000632086_00077_41213_0545.N1	17-JAN-2010 06:47:57	Bright	63.000	102	24Alp Ser	2.6000	4250.0	126	41213	No
114	GOM_NL__2PRFIN20100117_065003_000000572086_00077_41213_0546.N1	17-JAN-2010 06:50:03	Bright	57.000	120	1Del Oph	2.7340	3200.0	114	41213	No
115	GOM_NL__2PRFIN20100117_065551_000000492086_00077_41213_0547.N1	17-JAN-2010 06:55:51	Twl_and_stray	48.500	16	21Alp Sco	1.0200	3000.0	97	41213	No
116	GOM_NL__2PRFIN20100117_070259_000000422086_00077_41213_0548.N1	17-JAN-2010 07:02:59	Dark	42.000	109	Bet Lup	2.6770	26000.	84	41213	No
117	GOM_NL__2PRFIN20100117_070429_000000432086_00077_41213_0549.N1	17-JAN-2010 07:04:29	Dark	43.000	78	Alp Lup	2.3040	28000.	86	41213	No
118	GOM_NL__2PRFIN20100117_070659_000000422086_00078_41214_0534.N1	17-JAN-2010 07:06:59	Dark	42.000	4	Alp1Cen	-0.010000	5800.0	84	41214	No
119	GOM_NL__2PRFIN20100117_071035_000000532086_00078_41214_0535.N1	17-JAN-2010 07:10:35	Dark	53.000	20	Bet Cru	1.2530	30000.	106	41214	No
120	GOM_NL__2PRFIN20100117_071438_000000382086_00078_41214_0536.N1	17-JAN-2010 07:14:38	Dark	38.000	124	The Car	2.7640	30000.	76	41214	No
121	GOM_NL__2PRFIN20100117_071601_000000392086_00078_41214_0537.N1	17-JAN-2010 07:16:01	Dark	39.000	159	Ups Car	2.9200	7200.0	78	41214	No
122	GOM_NL__2PRFIN20100117_071754_000000462086_00078_41214_0538.N1	17-JAN-2010 07:17:54	Dark	45.500	71	lot Car	2.2460	7700.0	91	41214	No
123	GOM_NL__2PRFIN20100117_071945_000000402086_00078_41214_0539.N1	17-JAN-2010 07:19:45	Dark	40.000	46	Del Vel	1.9540	10600.	80	41214	No
124	GOM_NL__2PRFIN20100117_072227_000000422086_00078_41214_0540.N1	17-JAN-2010 07:22:27	Dark	41.500	34	Gam2Vel	1.7930	23000.	83	41214	No
125	GOM_NL__2PRFIN20100117_072435_000000432086_00078_41214_0541.N1	17-JAN-2010 07:24:35	Dark	43.000	70	Zet Pup	2.2460	39000.	86	41214	No
126	GOM_NL__2PRFIN20100117_072613_000000462086_00078_41214_0542.N1	17-JAN-2010 07:26:13	Straylight	45.500	117	Pi Pup	2.7060	3800.0	91	41214	No
127	GOM_NL__2PRFIN20100117_072845_000000402086_00078_41214_0543.N1	17-JAN-2010 07:28:45	Straylight	39.500	23	21Eps CMa	1.5020	26000.	79	41214	No
128	GOM_NL__2PRFIN20100117_073010_000000402086_00078_41214_0544.N1	17-JAN-2010 07:30:10	Straylight	40.000	179	24Omi2CMa	3.0320	24000.	80	41214	No
129	GOM_NL__2PRFIN20100117_073222_000000492086_00078_41214_0545.N1	17-JAN-2010 07:32:22	Straylight	49.000	1	9Alp CMa	-1.4400	11000.	98	41214	No
130	GOM_NL__2PRFIN20100117_073859_000000302086_00078_41214_0546.N1	17-JAN-2010 07:38:59	Twl_and_stray	30.000	8	10Alp CMi	0.40000	6500.0	60	41214	No
131	GOM_NL__2PRFIN20100117_073950_000000402086_00078_41214_0547.N1	17-JAN-2010 07:39:50	Twl_and_stray	40.000	153	3Bet CMi	2.8940	13100.	80	41214	No
132	GOM_NL__2PRFIN20100117_074157_000000382086_00078_41214_0548.N1	17-JAN-2010 07:41:57	Bright	38.000	44	24Gam Gem	1.9280	11000.	76	41214	No
133	GOM_NL__2PRFIN20100117_074341_000000532086_00078_41214_0549.N1	17-JAN-2010 07:43:41	Bright	53.000	151	13Mu Gem	2.8900	3000.0	106	41214	No
134	GOM_NL__2PRFIN20100117_074751_000000372086_00078_41214_0550.N1	17-JAN-2010 07:47:51	Bright	37.000	107	37The Aur	2.6490	11000.	74	41214	No
135	GOM_NL__2PRFIN20100117_075001_000000372086_00078_41214_0551.N1	17-JAN-2010 07:50:01	Bright	36.500	42	34Bet Aur	1.9000	10200.	73	41214	No
136	GOM_NL__2PRFIN20100117_080235_000000332086_00078_41214_0552.N1	17-JAN-2010 08:02:35	Bright	33.000	49	1Alp UMi	1.9900	6300.0	66	41214	No
137	GOM_NL__2PRFIN20100117_080629_000000352086_00078_41214_0553.N1	17-JAN-2010 08:06:29	Bright	35.000	60	7Bet UMi	2.0810	3950.0	70	41214	No
138	GOM_NL__2PRFIN20100117_081051_000000402086_00078_41214_0554.N1	17-JAN-2010 08:10:51	Bright	39.500	119	14Eta Dra	2.7270	4700.0	79	41214	No
139	GOM_NL__2PRFIN20100117_081329_000000382086_00078_41214_0555.N1	17-JAN-2010 08:13:29	Bright	37.500	130	23Bet Dra	2.7990	5800.0	75	41214	No
140	GOM_NL__2PRFIN20100117_082256_000000372086_00078_41214_0556.N1	17-JAN-2010 08:22:56	Bright	37.000	127	27Bet Her	2.7810	4700.0	74	41214	No
141	GOM_NL__2PRFIN20100117_082834_000000632086_00078_41214_0557.N1	17-JAN-2010 08:28:34	Bright	63.000	102	24Alp Ser	2.6000	4250.0	126	41214	No
142	GOM_NL__2PRFIN20100117_083040_000000572086_00078_41214_0558.N1	17-JAN-2010 08:30:40	Bright	57.000	120	1Del Oph	2.7340	3200.0	114	41214	No
143	GOM_NL__2PRFIN20100117_083628_000000482086_00078_41214_0559.N1	17-JAN-2010 08:36:28	Twl_and_stray	48.000	16	21Alp Sco	1.0200	3000.0	96	41214	No
144	GOM_NL__2PRFIN20100117_084147_000000402086_00078_41214_0560.N1	17-JAN-2010 08:41:47	Dark	40.000	131	Gam Lup	2.8000	26000.	80	41214	No
145	GOM_NL__2PRFIN20100117_084335_000000402086_00078_41214_0561.N1	17-JAN-2010 08:43:35	Dark	39.500	109	Bet Lup	2.6770	26000.	79	41214	No
146	GOM_NL__2PRFIN20100117_084506_000000422086_00078_41214_0562.N1	17-JAN-2010 08:45:06	Dark	42.000	78	Alp Lup	2.3040	28000.	84	41214	No
147	GOM_NL__2PRFIN20100117_084735_000000422086_00079_41215_0543.N1	17-JAN-2010 08:47:35	Dark	41.500	4	Alp1Cen	-0.010000	5800.0	83	41215	No
148	GOM_NL__2PRFIN20100117_085111_000000412086_00079_41215_0544.N1	17-JAN-2010 08:51:11	Dark	40.500	20	Bet Cru	1.2530	30000.	81	41215	No
149	GOM_NL__2PRFIN20100117_085514_000000392086_00079_41215_0545.N1	17-JAN-2010 08:55:14	Dark	38.500	124	The Car	2.7640	30000.	77	41215	No
150	GOM_NL__2PRFIN20100117_085638_000000392086_00079_41215_0546.N1	17-JAN-2010 08:56:38	Dark	38.500	159	Ups Car	2.9200	7200.0	77	41215	No
151	GOM_NL__2PRFIN20100117_085830_000000192086_00079_41215_0547.N1	17-JAN-2010 08:58:30	Dark	19.000	71	lot Car	2.2460	7700.0	38	41215	No
152	GOM_NL__2PRFIN20100117_090921_000000432086_00079_41215_0548.N1	17-JAN-2010 09:09:21	Straylight	43.000	23	21Eps CMa	1.5020	26000.	86	41215	No
153	GOM_NL__2PRFIN20100117_091258_000000442086_00079_41215_0549.N1	17-JAN-2010 09:12:58	Straylight	44.000	1	9Alp CMa	-1.4400	11000.	88	41215	No
154	GOM_NL__2PRFIN20100117_091935_000000302086_00079_41215_0550.N1	17-JAN-2010 09:19:35	Twl_and_stray	30.000	8	10Alp CMi	0.40000	6500.0	60	41215	No
155	GOM_NL__2PRFIN20100117_092026_000000422086_00079_41215_0551.N1	17-JAN-2010 09:20:26	Twl_and_stray	41.500	153	3Bet CMi	2.8940	13100.	83	41215	No
156	GOM_NL__2PRFIN20100117_092233_000000362086_00079_41215_0552.N1	17-JAN-2010 09:22:33	Bright	36.000	44	24Gam Gem	1.9280	11000.	72	41215	No
157	GOM_NL__2PRFIN20100117_092417_000000532086_00079_41215_0553.N1	17-JAN-2010 09:24:17	Bright	53.000	151	13Mu Gem	2.8900	3000.0	106	41215	No
158	GOM_NL__2PRFIN20100117_092827_000000452086_00079_41215_0554.N1	17-JAN-2010 09:28:27	Bright	44.500	107	37The Aur	2.6490	11000.	89	41215	No
159	GOM_NL__2PRFIN20100117_093038_000000362086_00079_41215_0555.N1	17-JAN-2010 09:30:38	Bright	35.500	42	34Bet Aur	1.9000	10200.	71	41215	No
160	GOM_NL__2PRFIN20100117_094311_000000352086_00079_41215_0556.N1	17-JAN-2010 09:43:11	Bright	34.500	49	1Alp UMi	1.9900	6300.0	69	41215	No

161	GOM_NL__2PRFIN20100117_094704_000000442086_00079_41215_0557.N1	17-JAN-2010 09:47:04	Bright	43.500	60	7Bet UMi	2.0810	3950.0	87	41215	No
162	GOM_NL__2PRFIN20100117_095127_000000392086_00079_41215_0558.N1	17-JAN-2010 09:51:27	Bright	39.000	119	14Eta Dra	2.7270	4700.0	78	41215	No
163	GOM_NL__2PRFIN20100117_095405_000000382086_00079_41215_0559.N1	17-JAN-2010 09:54:05	Bright	37.500	130	23Bet Dra	2.7990	5800.0	75	41215	No
164	GOM_NL__2PRFIN20100117_100332_000000562086_00079_41215_0560.N1	17-JAN-2010 10:03:32	Bright	56.000	127	27Bet Her	2.7810	4700.0	112	41215	No
165	GOM_NL__2PRFIN20100117_100911_000000632086_00079_41215_0561.N1	17-JAN-2010 10:09:11	Bright	63.000	102	24Alp Ser	2.6000	4250.0	126	41215	No
166	GOM_NL__2PRFIN20100117_101116_000000452086_00079_41215_0562.N1	17-JAN-2010 10:11:16	Bright	45.000	120	1Del Oph	2.7340	3200.0	90	41215	No
167	GOM_NL__2PRFIN20100117_101704_000000532086_00079_41215_0563.N1	17-JAN-2010 10:17:04	Tw_i_and_stray	53.000	16	21Alp Sco	1.0200	3000.0	106	41215	No
168	GOM_NL__2PRFIN20100117_102223_000000392086_00079_41215_0564.N1	17-JAN-2010 10:22:23	Dark	38.500	131	Gam Lup	2.8000	26000.	77	41215	No
169	GOM_NL__2PRFIN20100117_102412_000000422086_00079_41215_0565.N1	17-JAN-2010 10:24:12	Dark	42.000	109	Bet Lup	2.6770	26000.	84	41215	No
170	GOM_NL__2PRFIN20100117_102542_000000412086_00079_41215_0566.N1	17-JAN-2010 10:25:42	Dark	41.000	78	Alp Lup	2.3040	28000.	82	41215	No
171	GOM_NL__2PRFIN20100117_102811_000000462086_00080_41216_0552.N1	17-JAN-2010 10:28:11	Dark	46.000	4	Alp1Cen	-0.010000	5800.0	92	41216	No
172	GOM_NL__2PRFIN20100117_103148_000000412086_00080_41216_0553.N1	17-JAN-2010 10:31:48	Dark	41.000	20	Bet Cru	1.2530	30000.	82	41216	No
173	GOM_NL__2PRFIN20100117_103550_000000392086_00080_41216_0554.N1	17-JAN-2010 10:35:50	Dark	38.500	124	The Car	2.7640	30000.	77	41216	No
174	GOM_NL__2PRFIN20100117_103714_000000382086_00080_41216_0555.N1	17-JAN-2010 10:37:14	Dark	38.000	159	Ups Car	2.9200	7200.0	76	41216	No
175	GOM_NL__2PRFIN20100117_103906_000000472086_00080_41216_0556.N1	17-JAN-2010 10:39:06	Dark	47.000	71	lot Car	2.2460	7700.0	94	41216	No
176	GOM_NL__2PRFIN20100117_171037_000000542086_00084_41220_0591.N1	17-JAN-2010 17:10:37	Dark	54.000	4	Alp1Cen	-0.010000	5800.0	108	41220	No
177	GOM_NL__2PRFIN20100117_171503_000000412086_00084_41220_0592.N1	17-JAN-2010 17:15:03	Dark	41.000	12	Alp1Cru	0.77500	30000.	82	41220	No
178	GOM_NL__2PRFIN20100117_171816_000000392086_00084_41220_0593.N1	17-JAN-2010 17:18:16	Dark	38.500	124	The Car	2.7640	30000.	77	41220	No
179	GOM_NL__2PRFIN20100117_171939_000000402086_00084_41220_0594.N1	17-JAN-2010 17:19:39	Dark	39.500	159	Ups Car	2.9200	7200.0	79	41220	No
180	GOM_NL__2PRFIN20100117_172132_000000442086_00084_41220_0595.N1	17-JAN-2010 17:21:32	Dark	43.500	71	lot Car	2.2460	7700.0	87	41220	No

### 3. Quality information per product

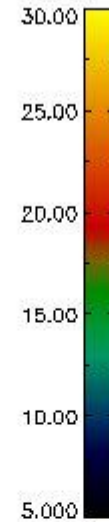
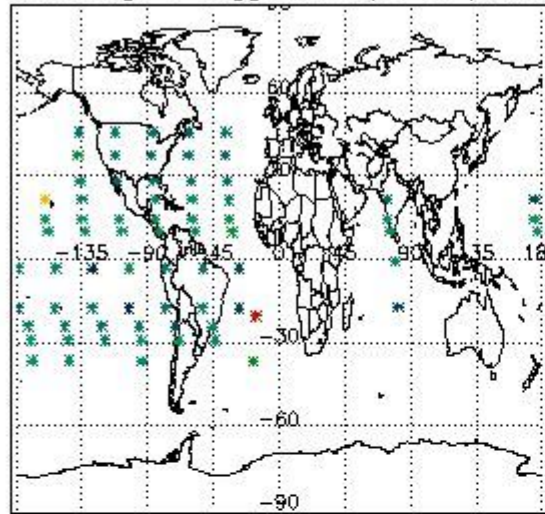
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

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

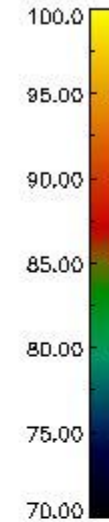
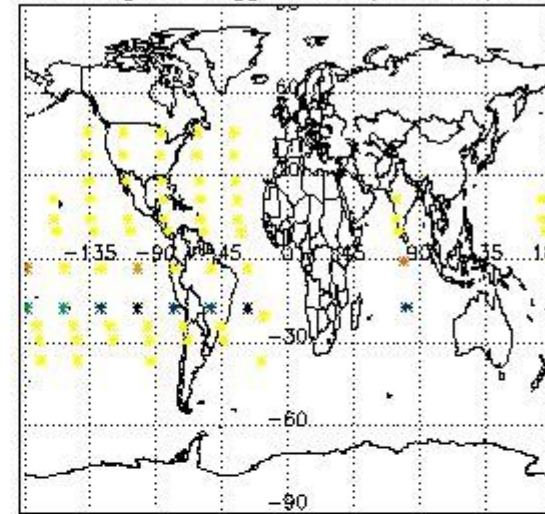


3.2 Plot quality information per product (world map)

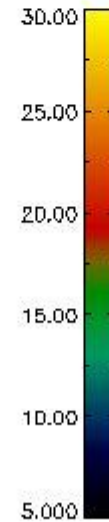
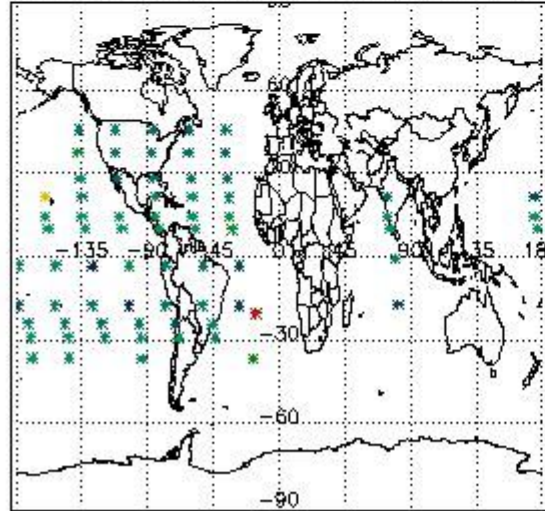
Percentage of flagged data per O3 profile



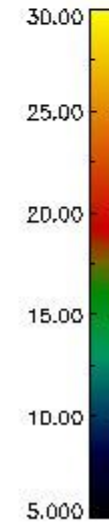
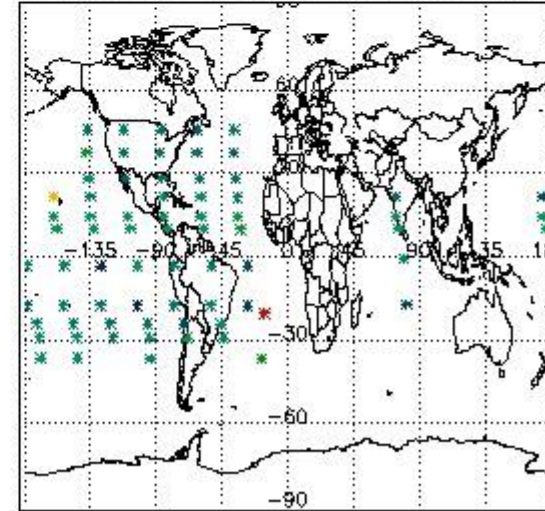
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile



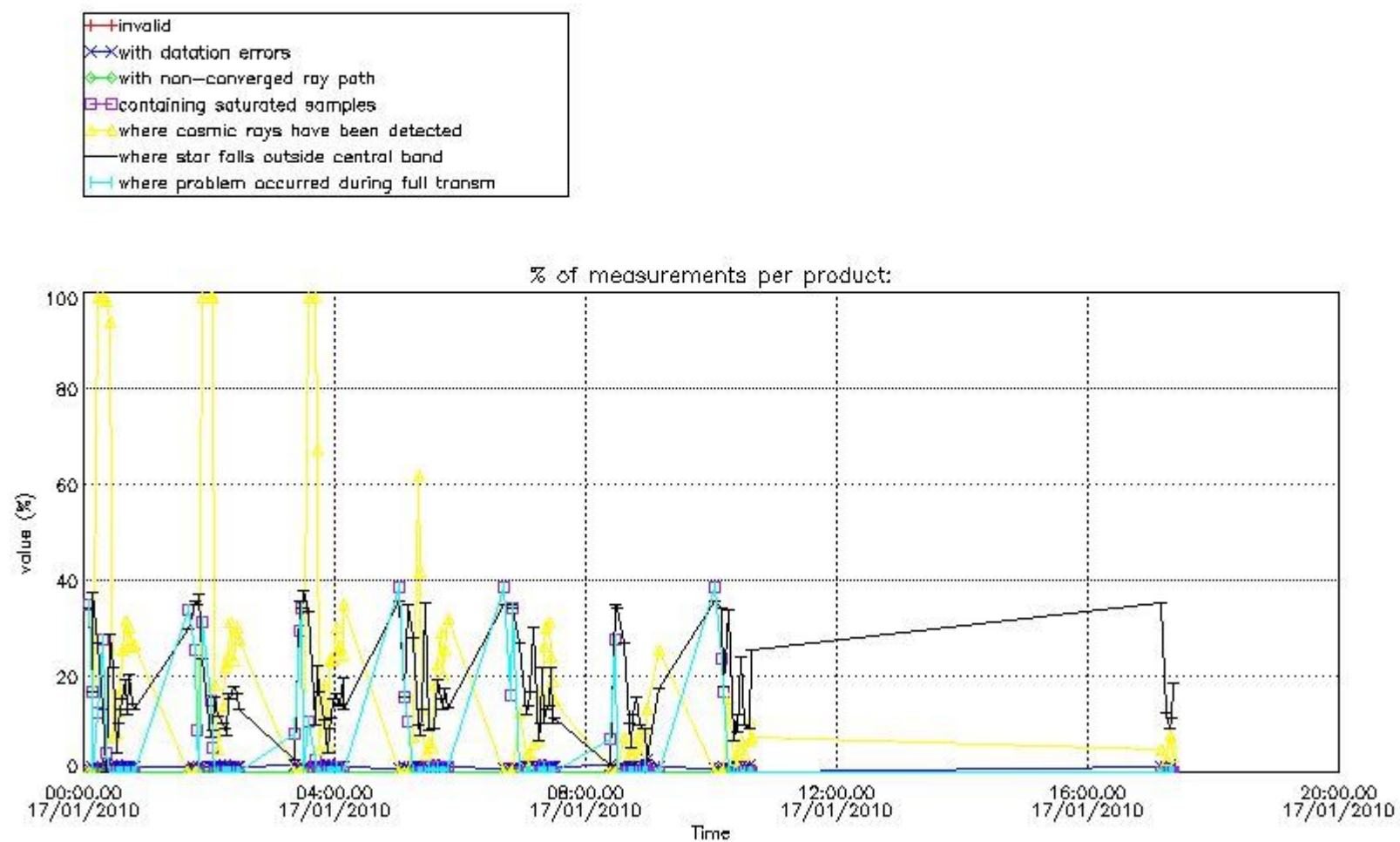
#### 4. Level 1 quality information per product

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

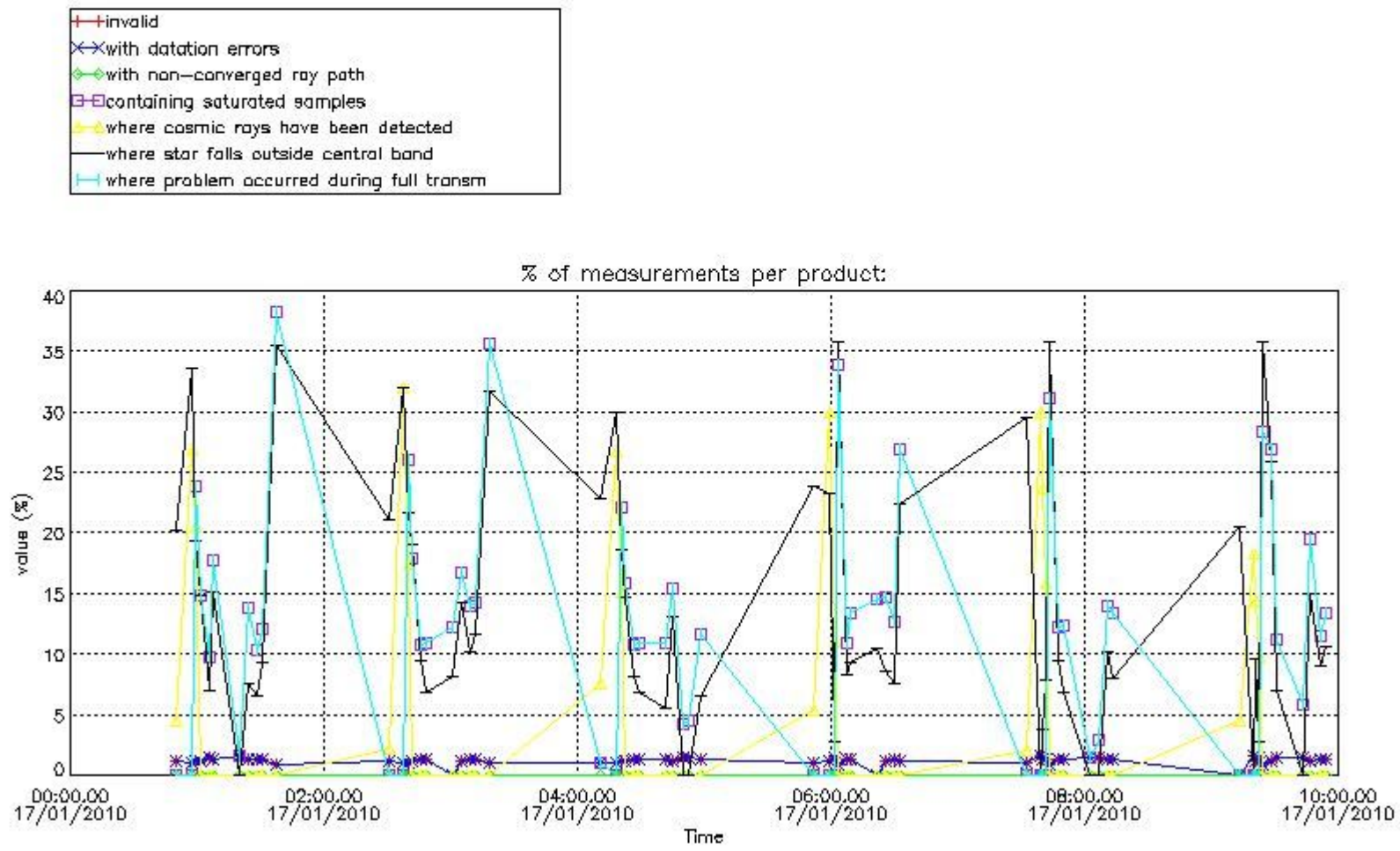
##### 4.1 Plot quality information per product (time dependant) coming from level 1b processing

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



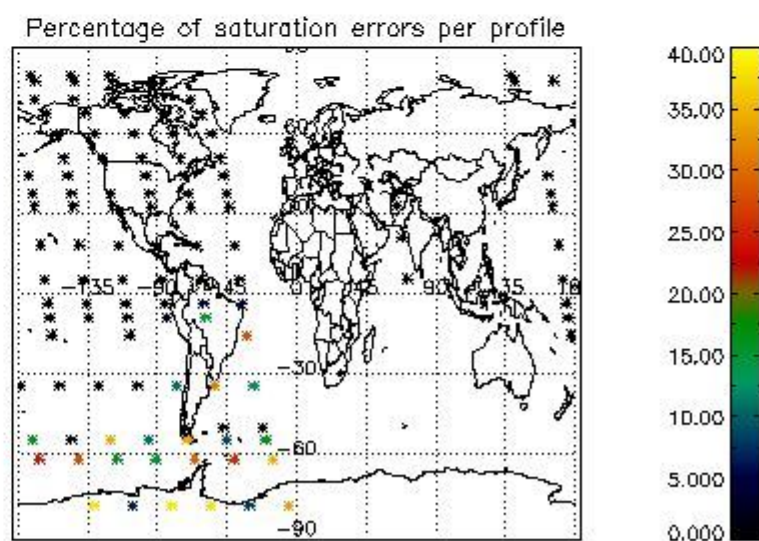
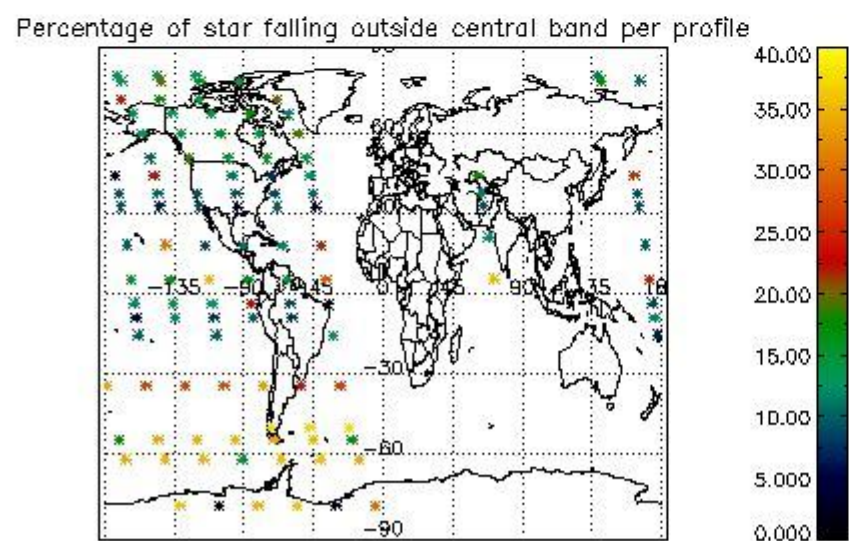
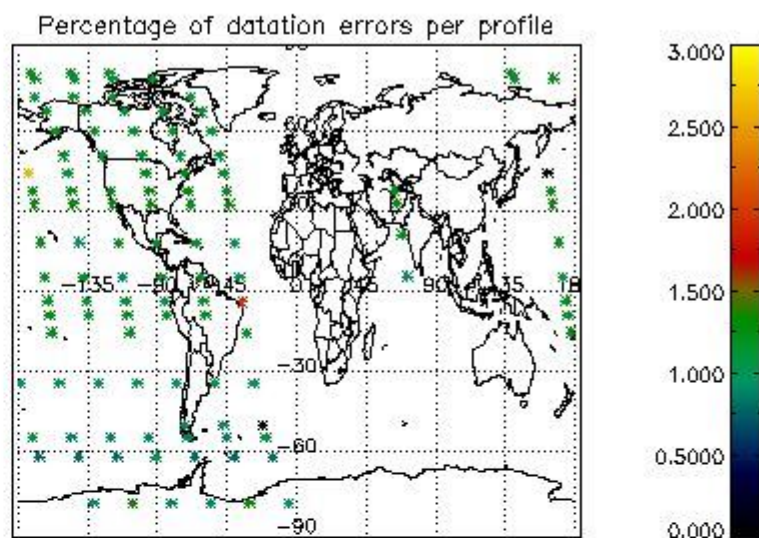
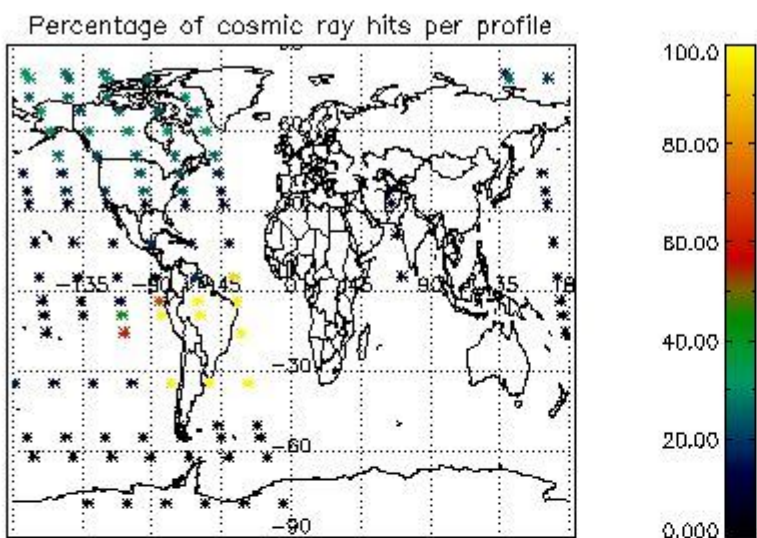


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes

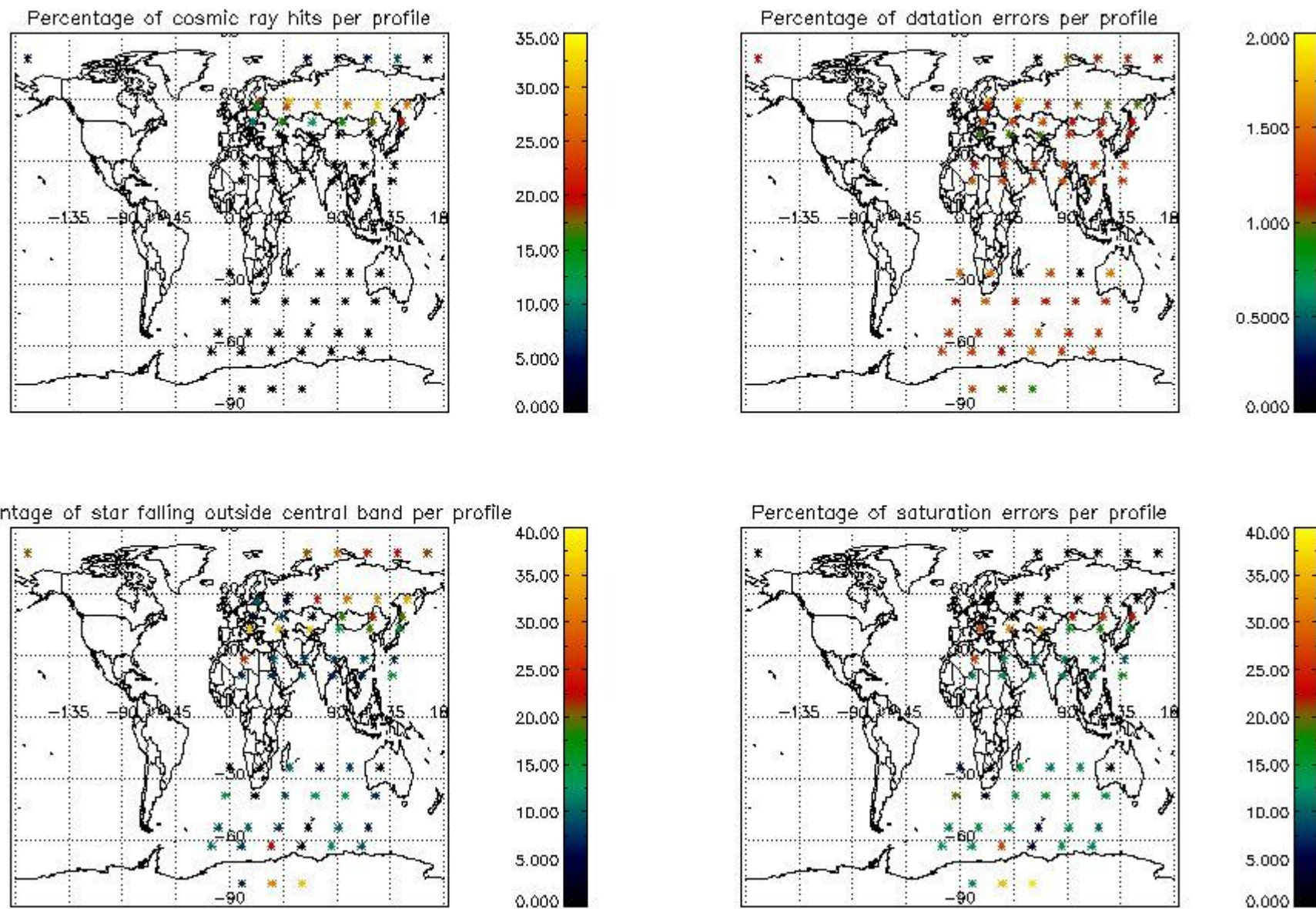


*4.2 Plot quality information per product coming from level 1b processing (world map)*

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



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



## 5. Trace gas profiles

### 5.1 Ozone statistics based on quality of products

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

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

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

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

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

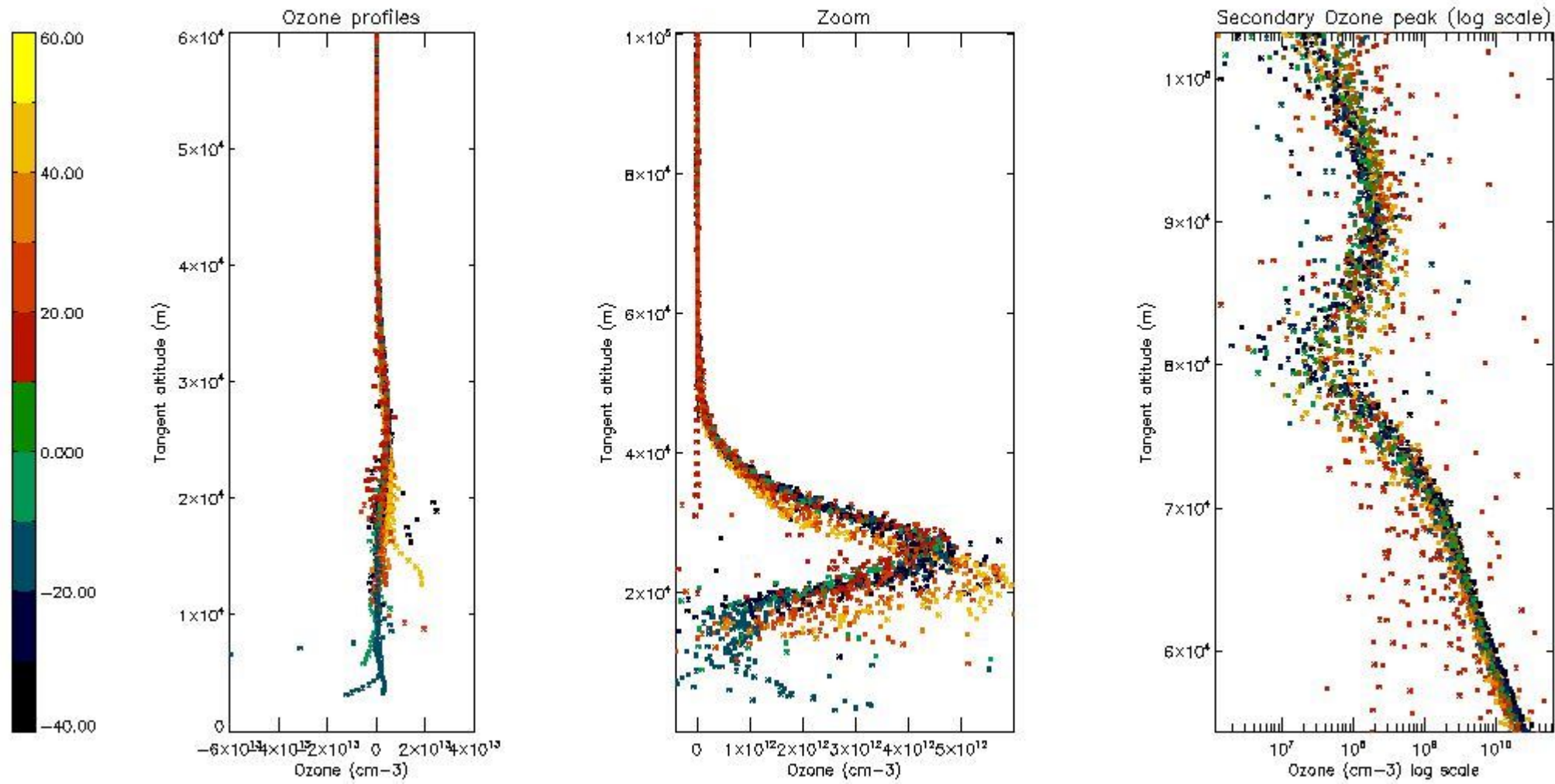
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	38
STD < 20	20

STD < 10	16
STD < 5	12

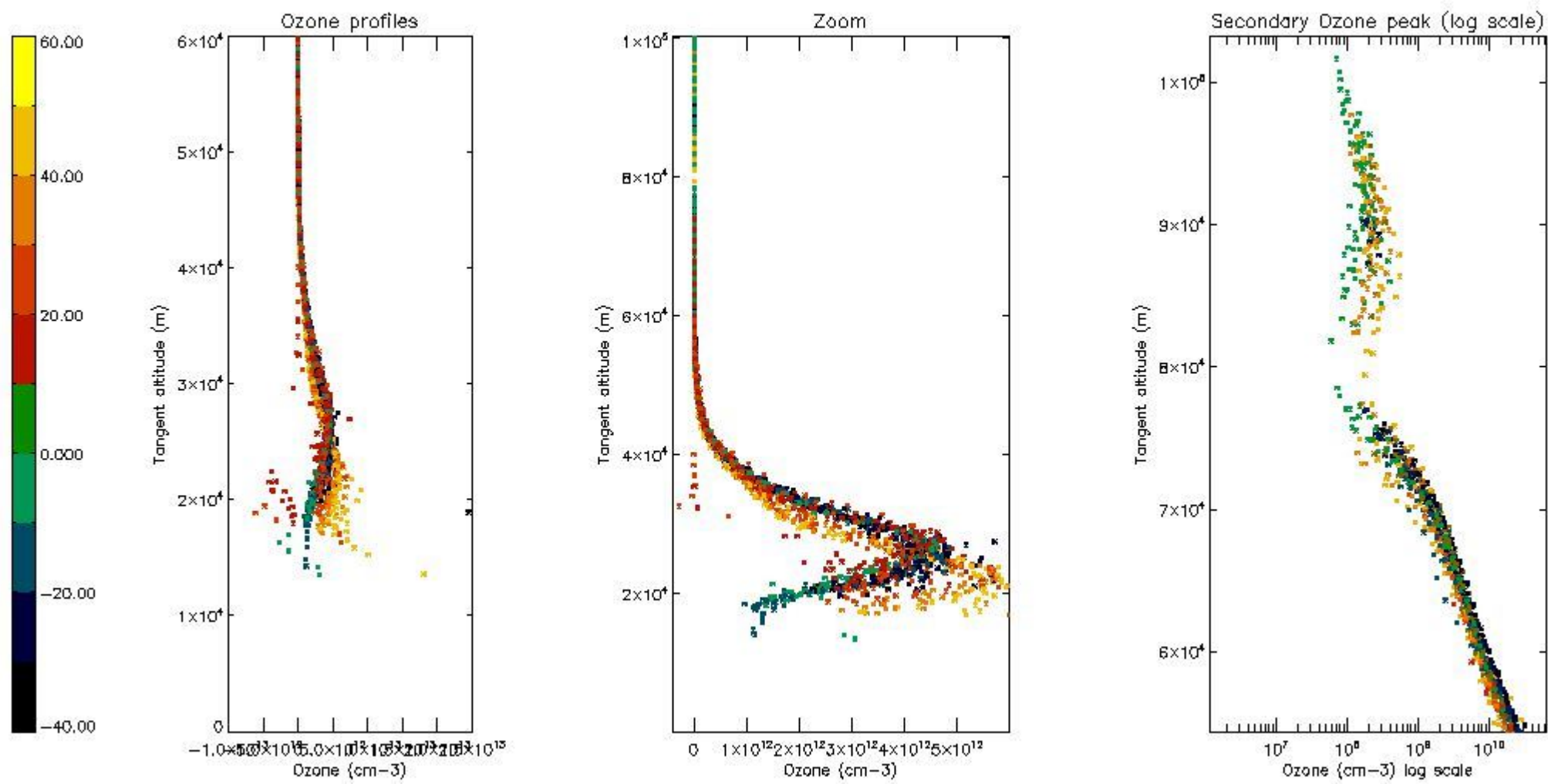
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



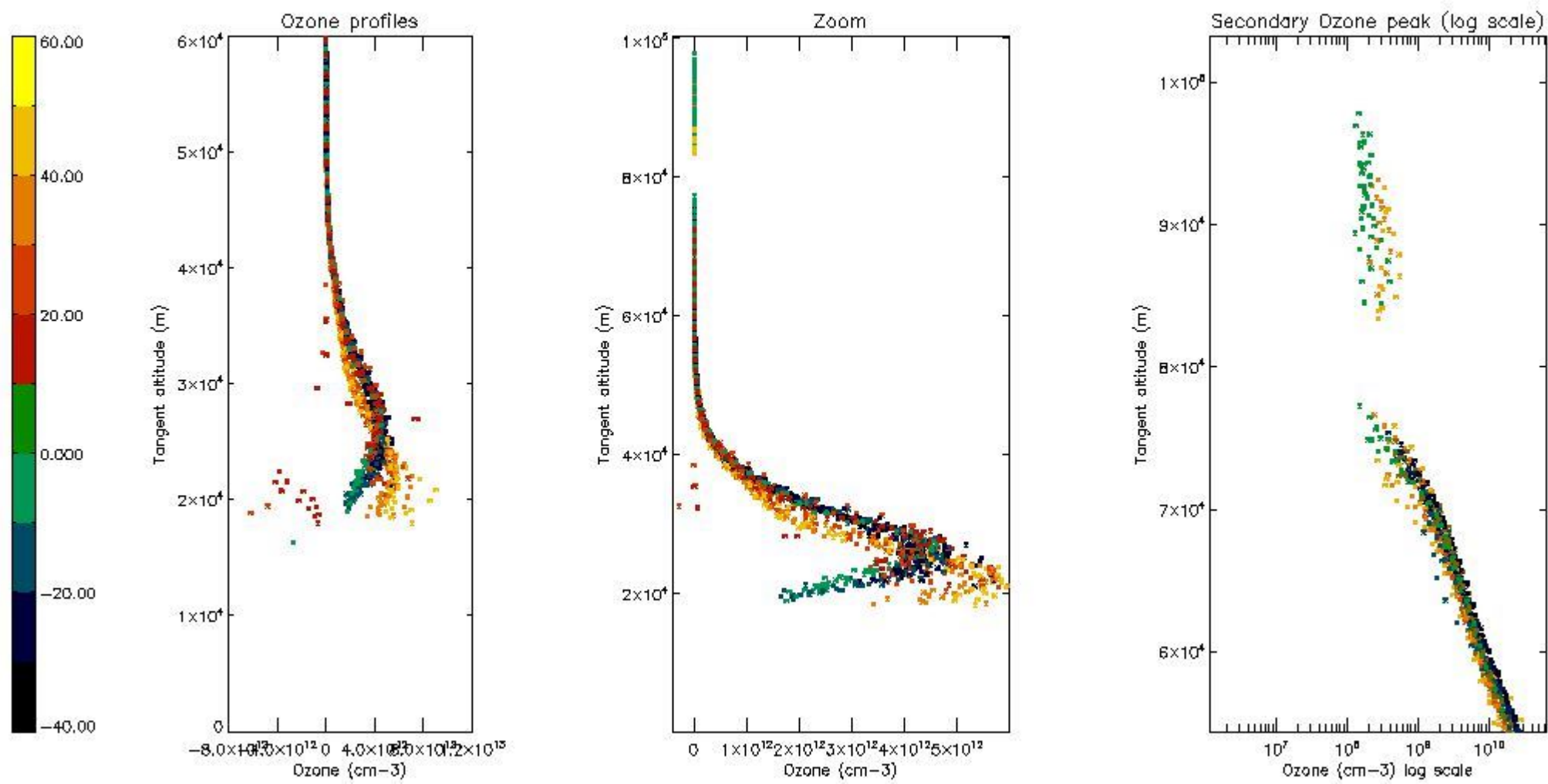
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



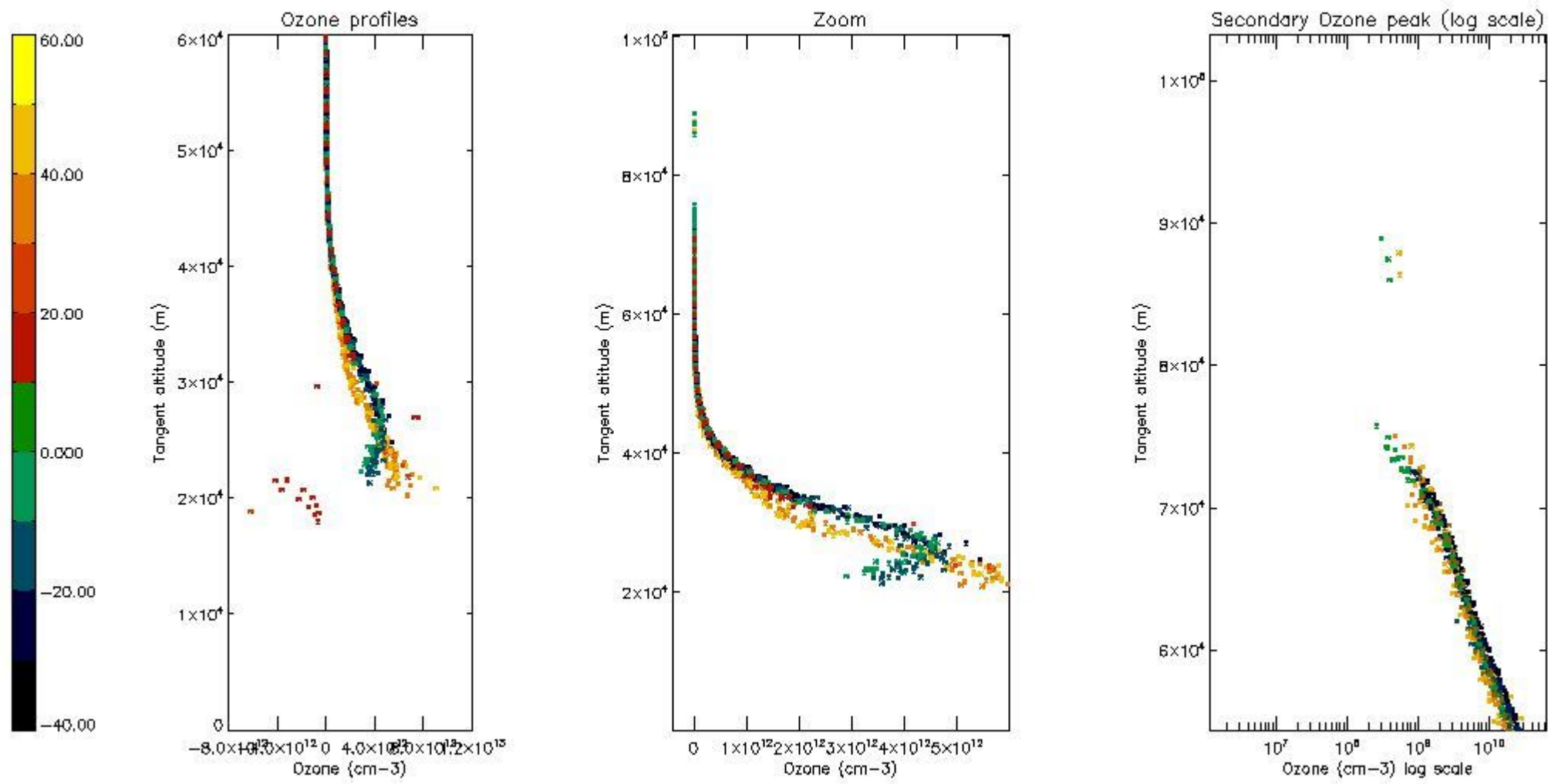
*5.4 Plot ozone profiles where STD < 10% (dark without errors)*

The colorbar represents the latitude.



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

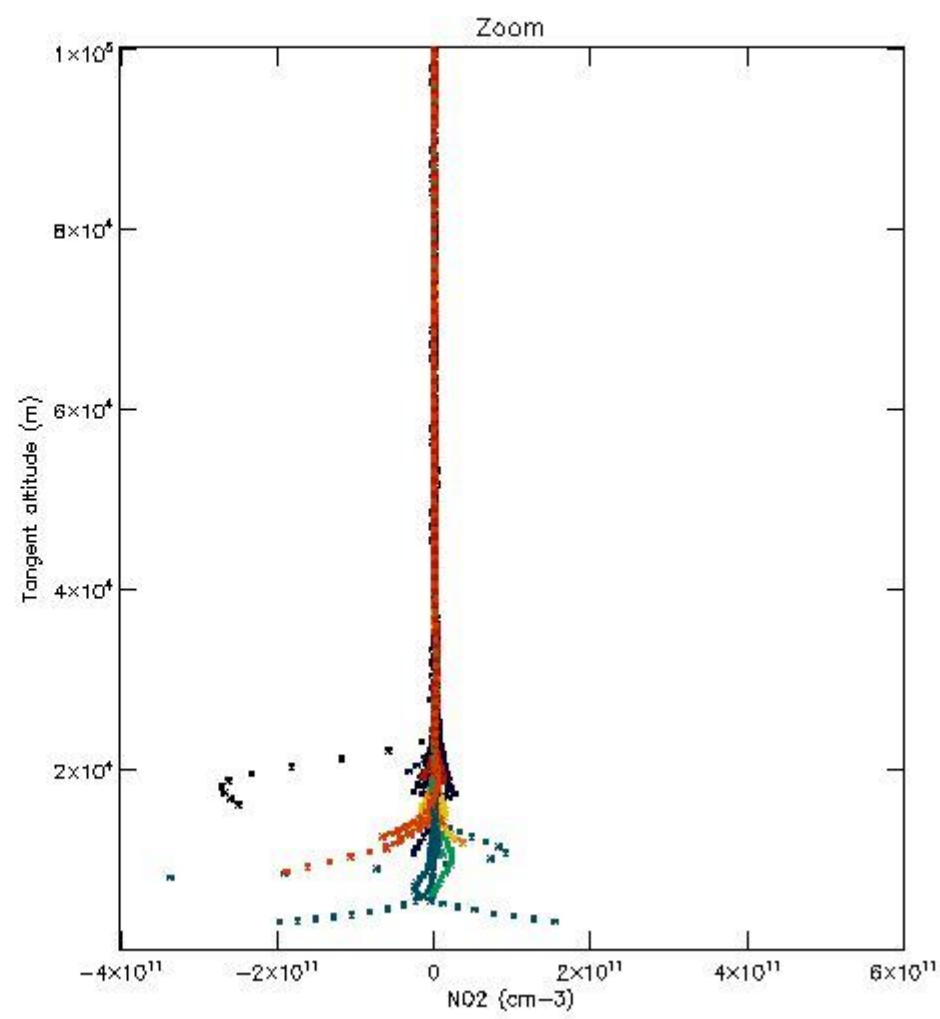
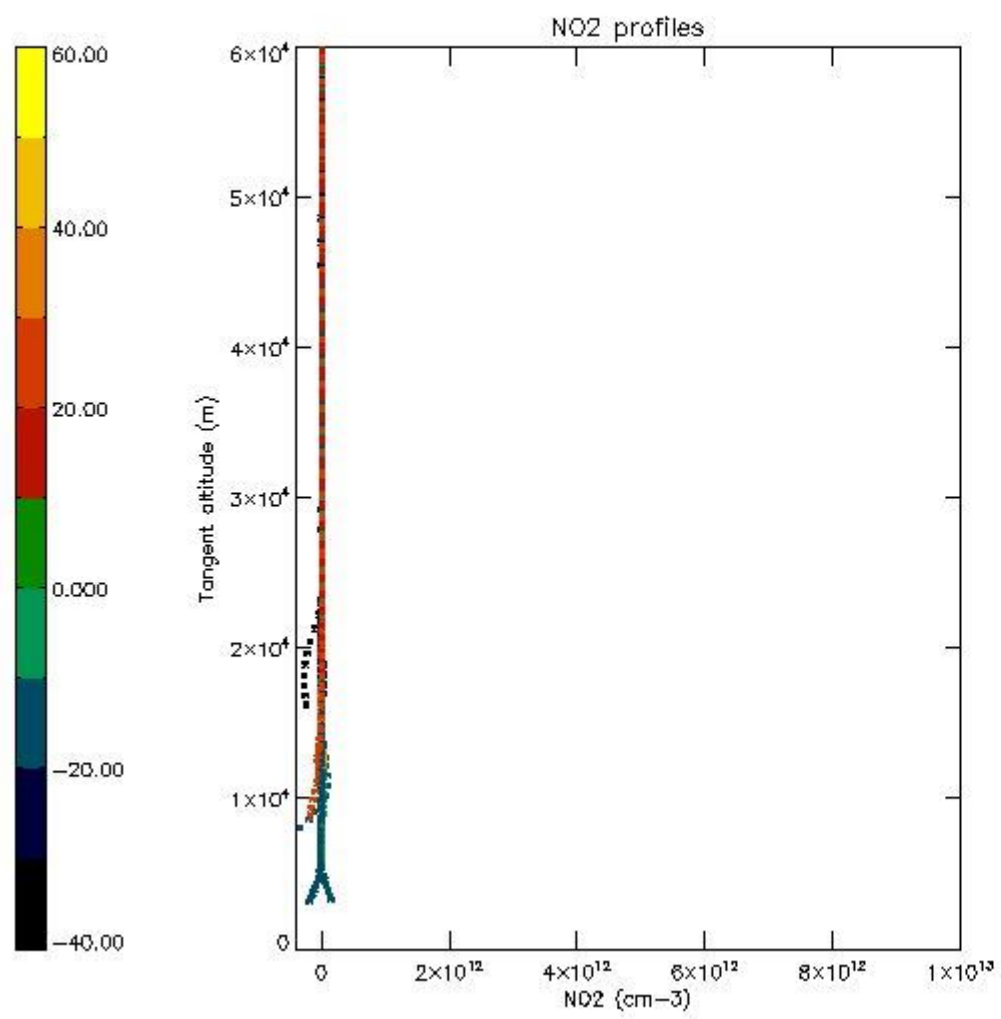
The colorbar represents the latitude.



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

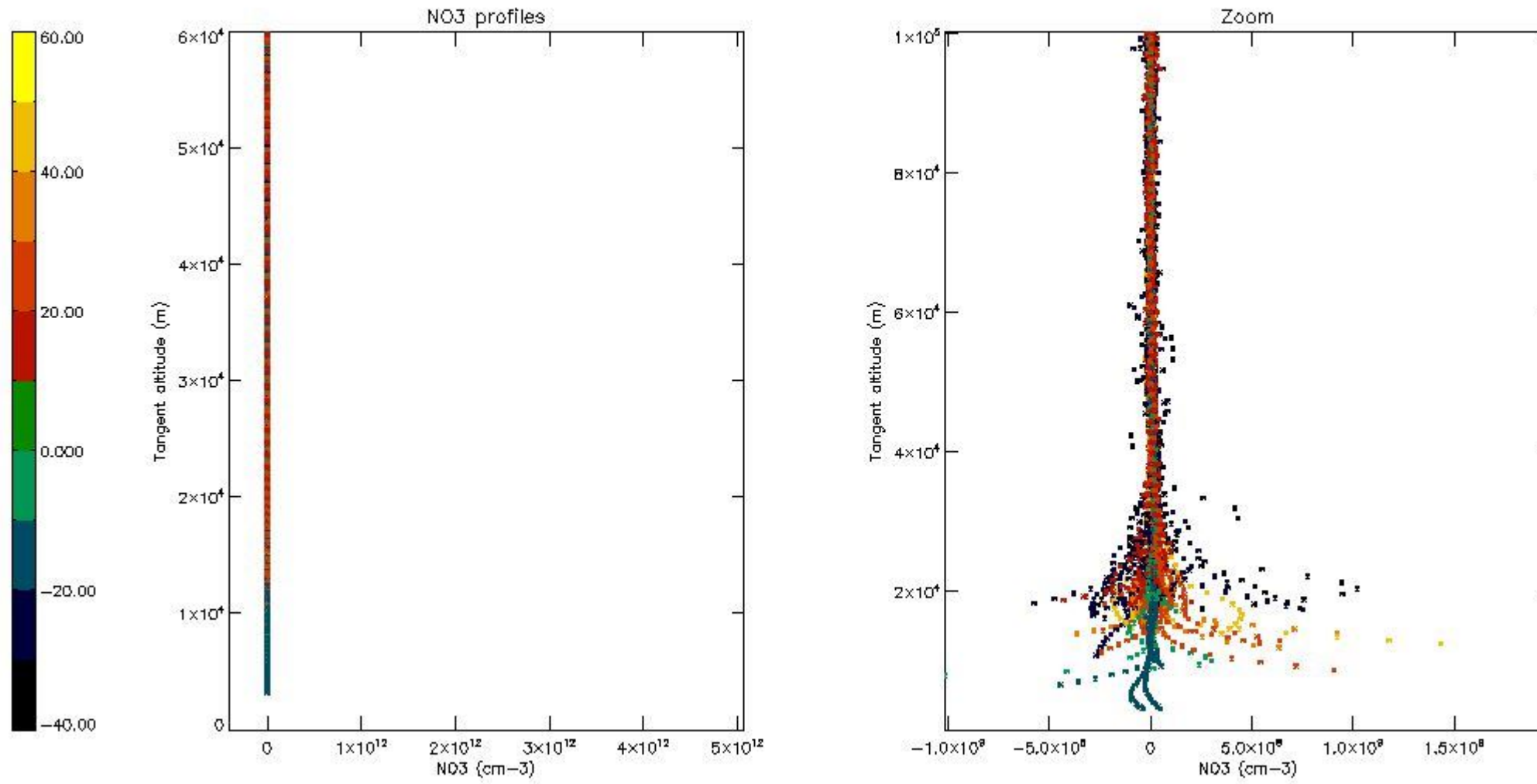
The colorbar represents the latitude.





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

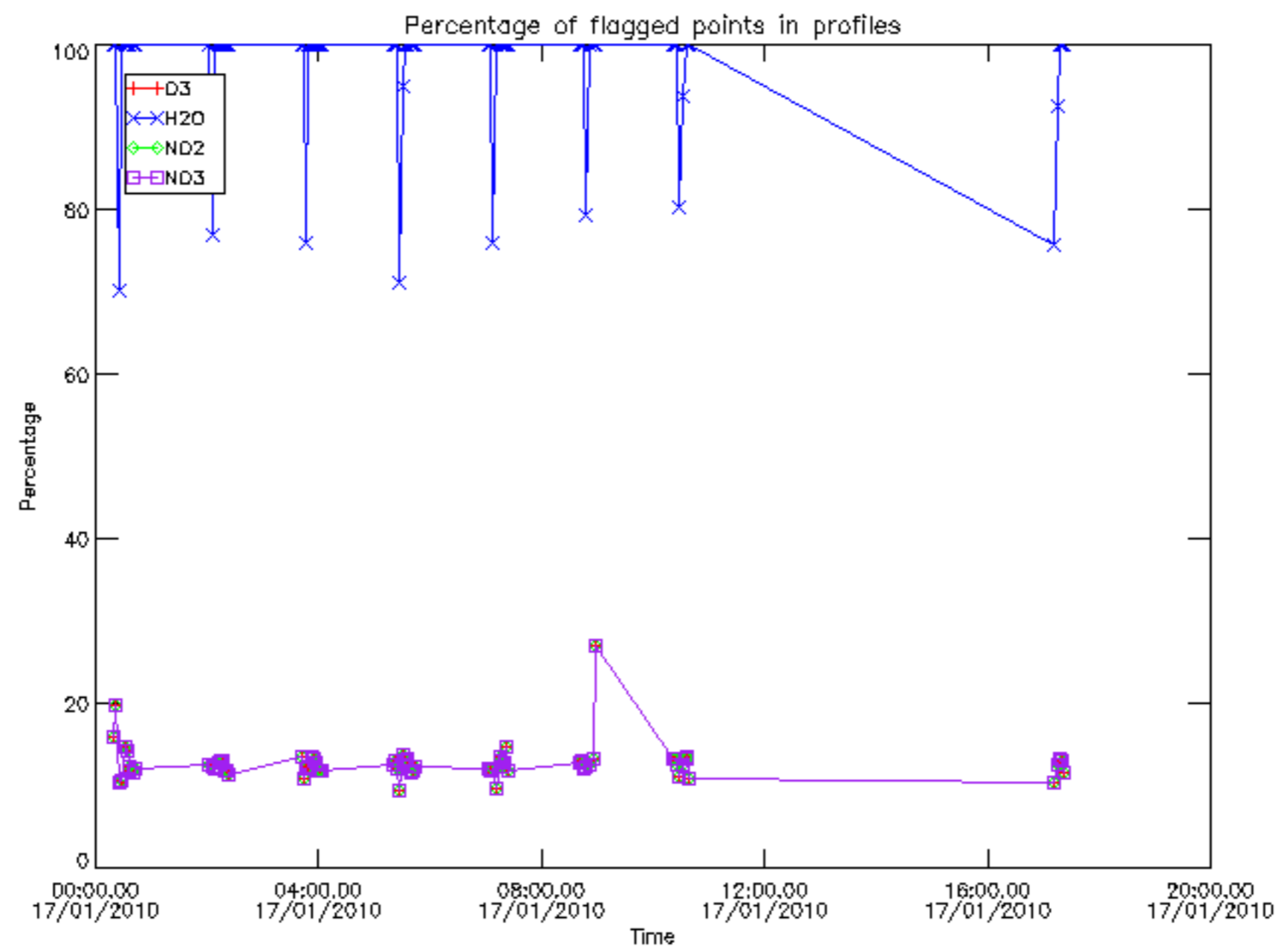
The colorbar represents the latitude.



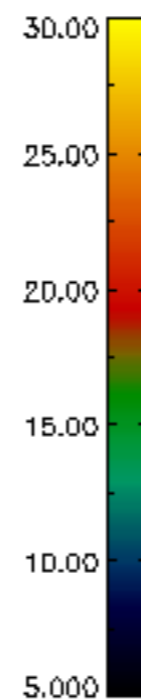
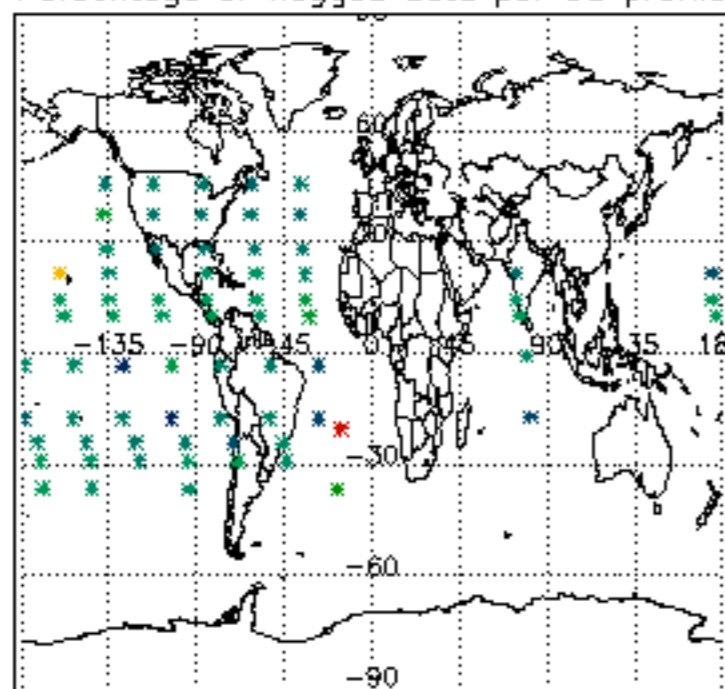
## 6. Auxiliary Data Files used for the production reported in section 2

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.

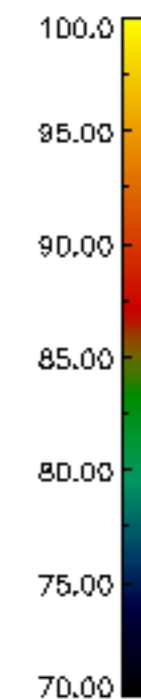
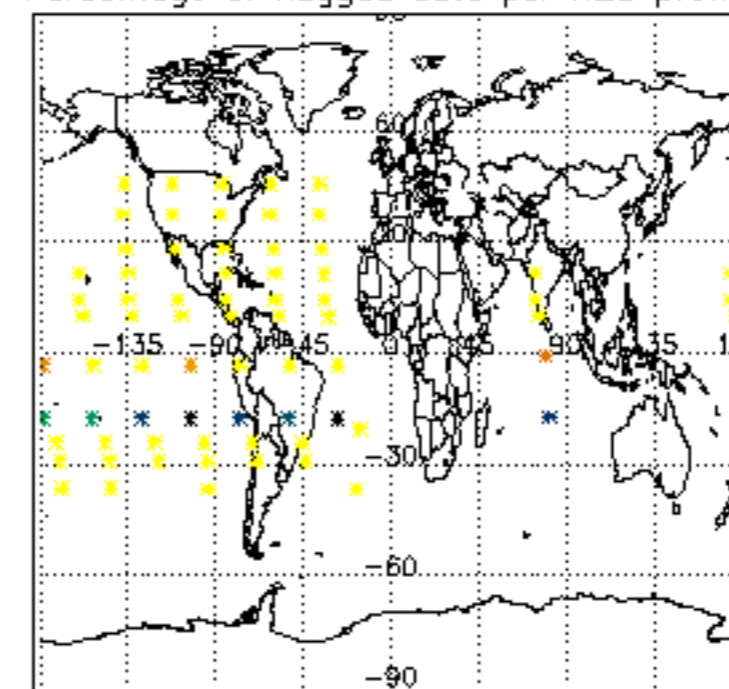
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	17-JAN-2010 00:05:32
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	17-JAN-2010 00:05:32
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	17-JAN-2010 00:05:32



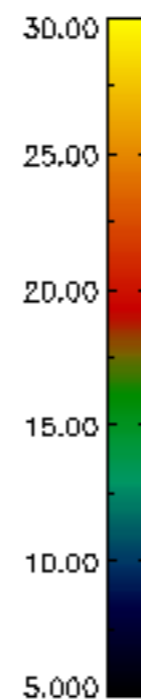
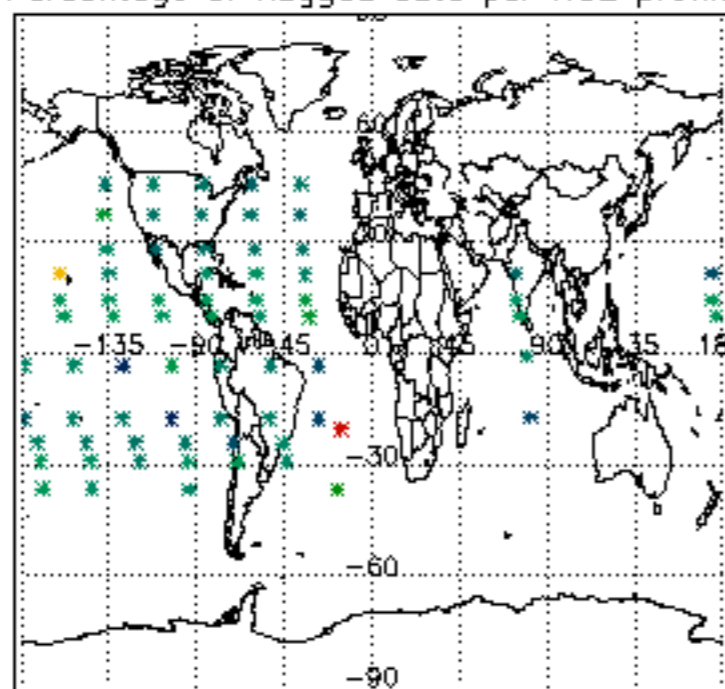
Percentage of flagged data per D3 profile



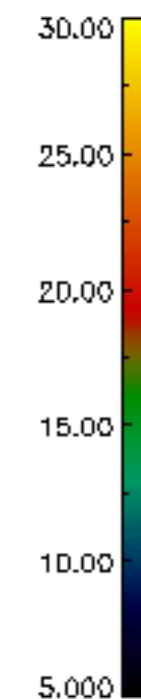
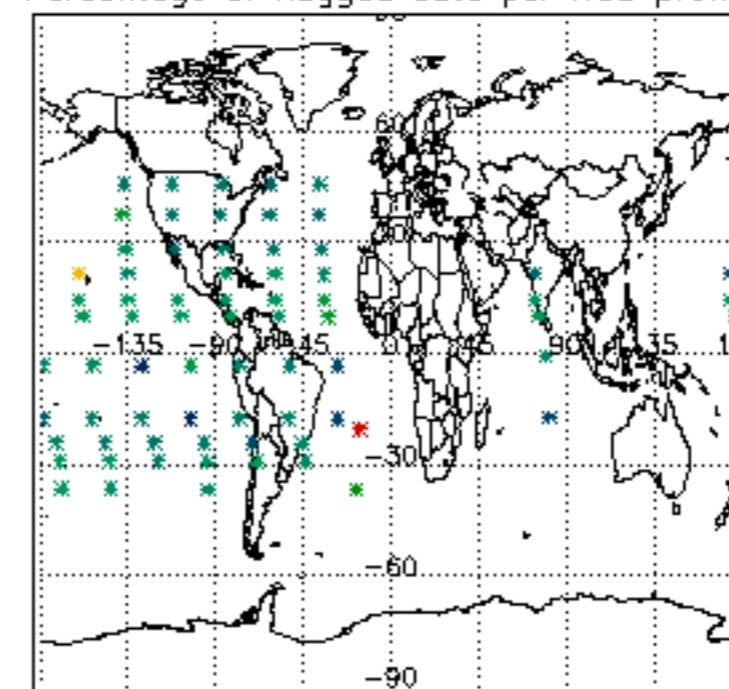
Percentage of flagged data per H2O profile

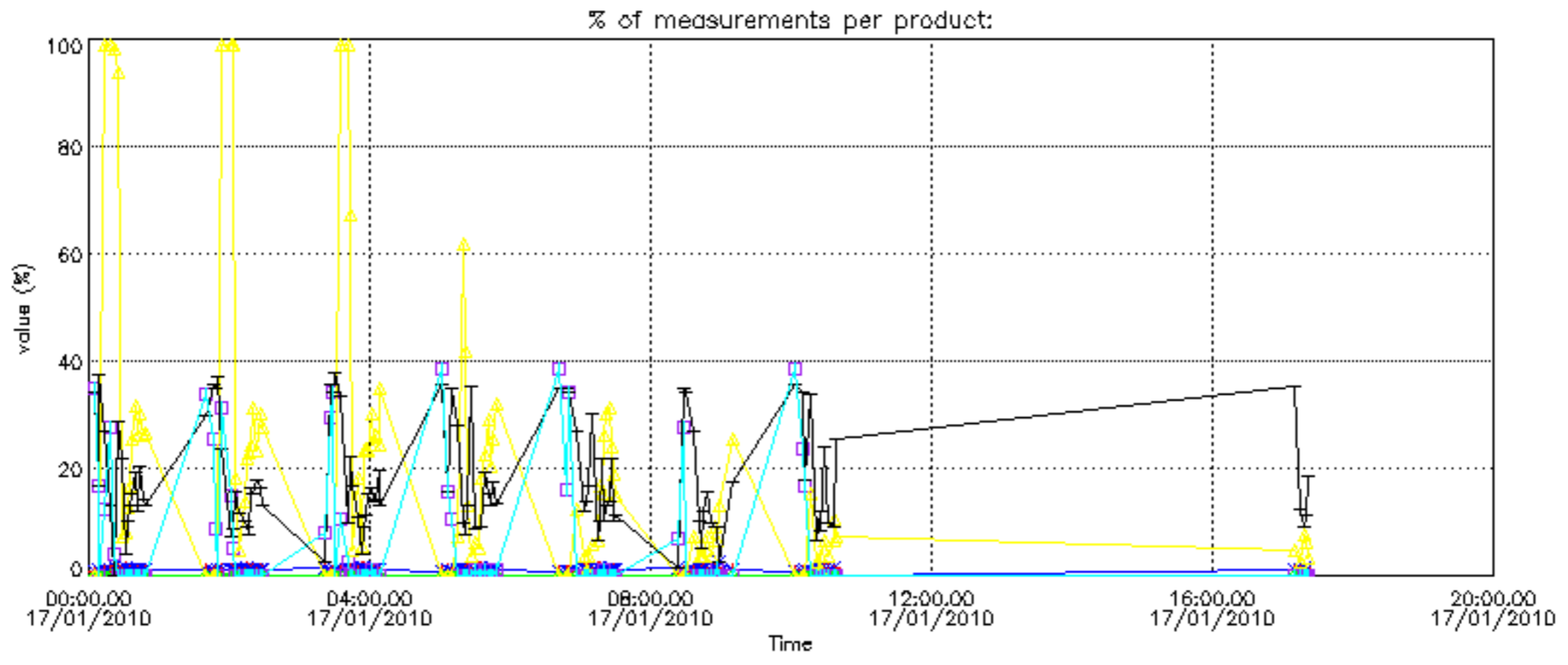


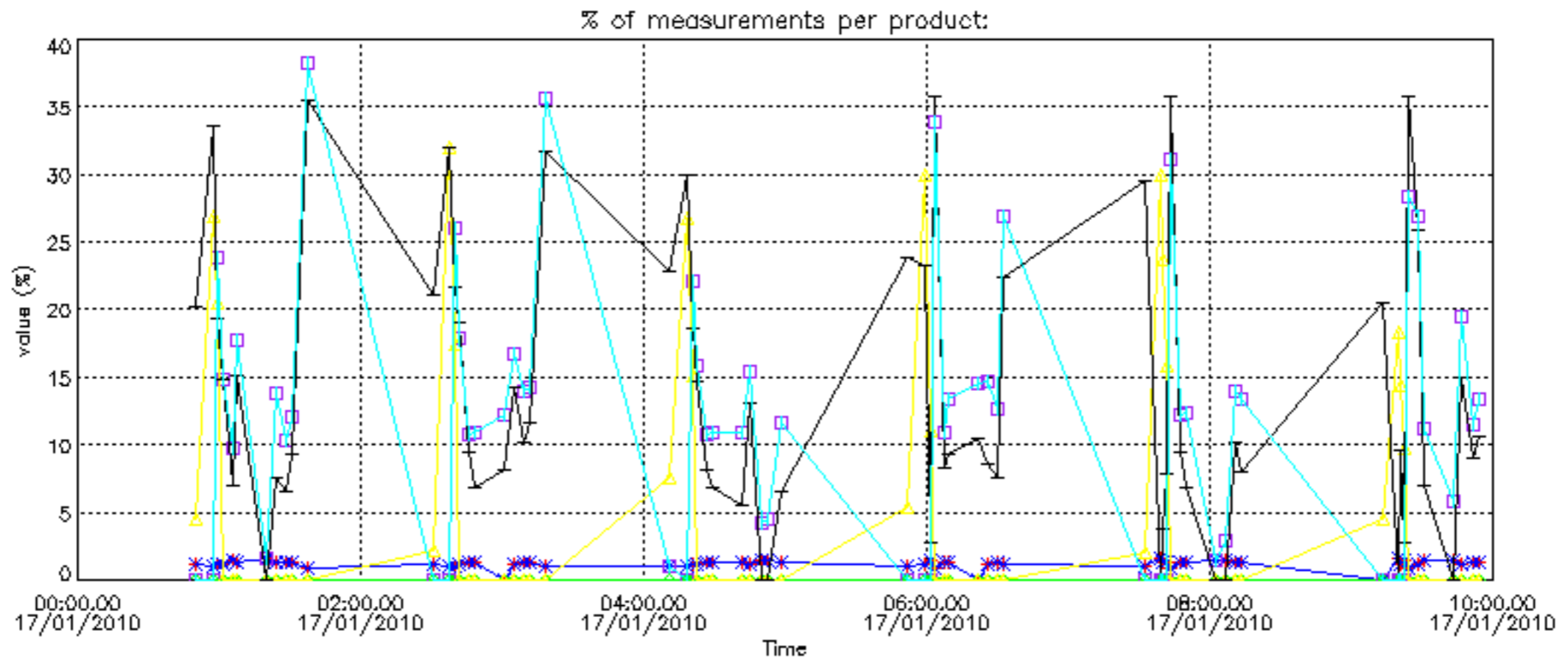
Percentage of flagged data per NO2 profile



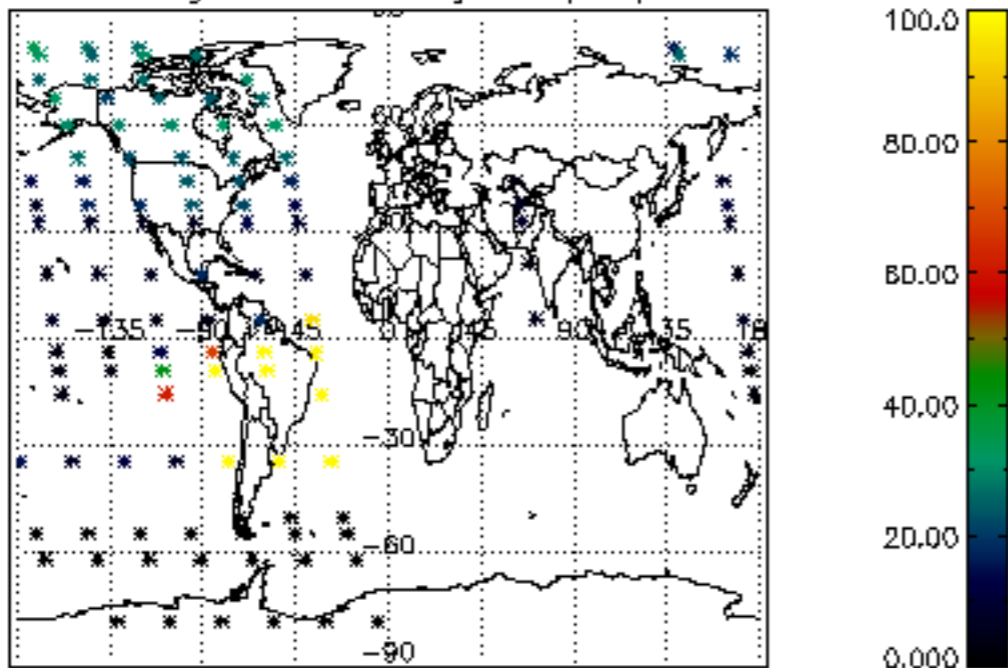
Percentage of flagged data per NO3 profile



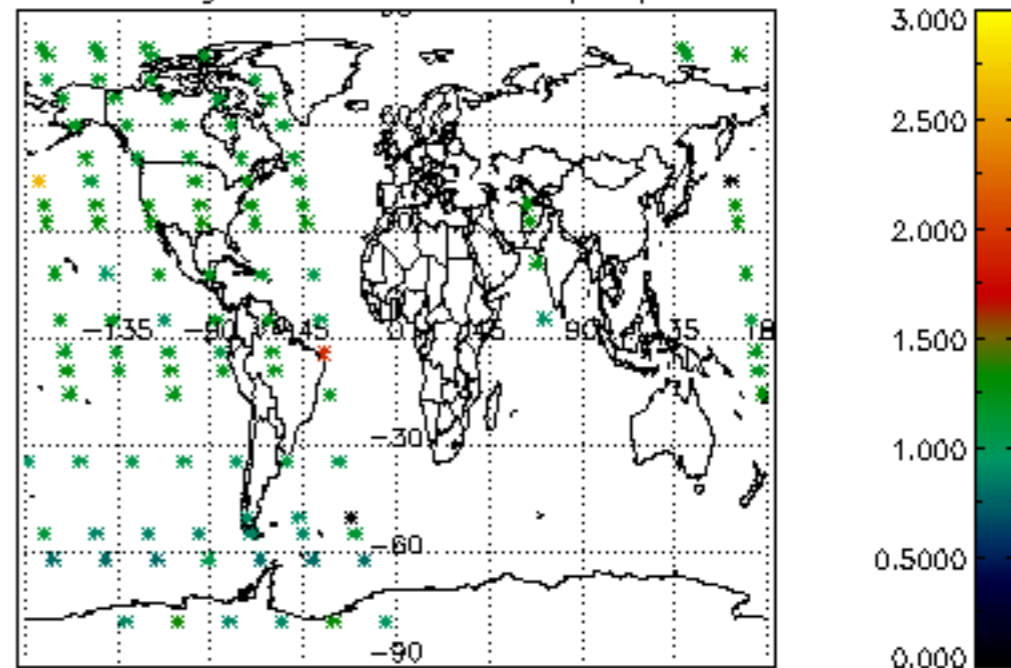




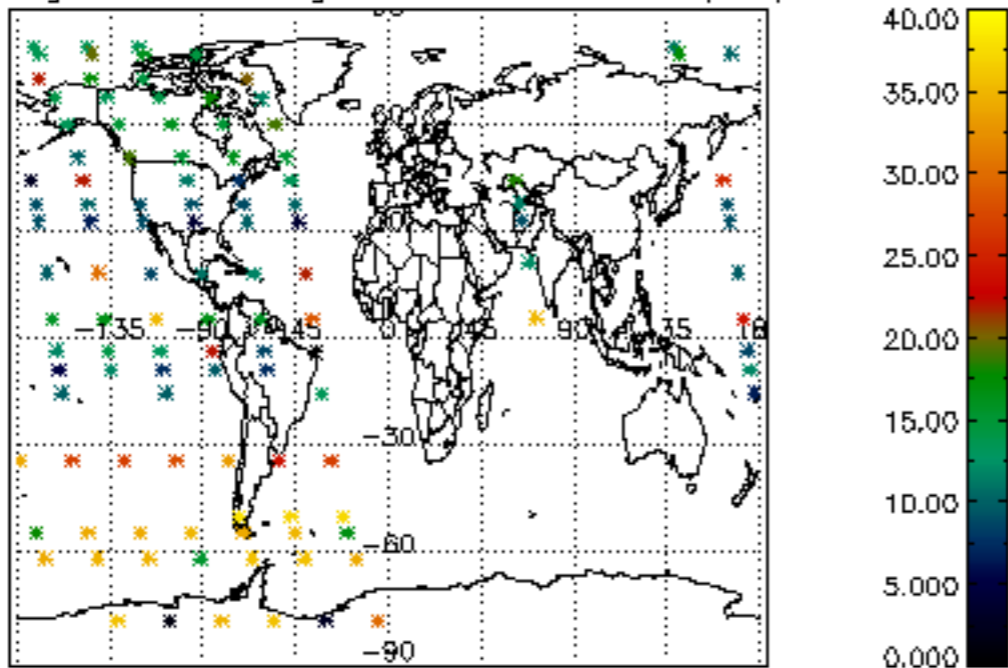
Percentage of cosmic ray hits per profile



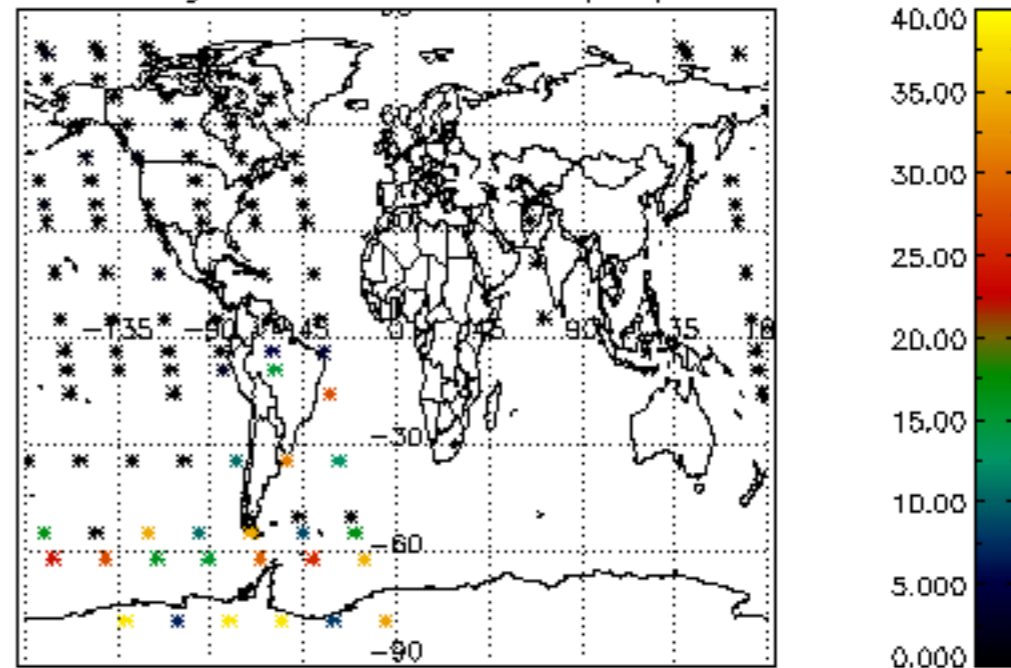
Percentage of datation errors per profile



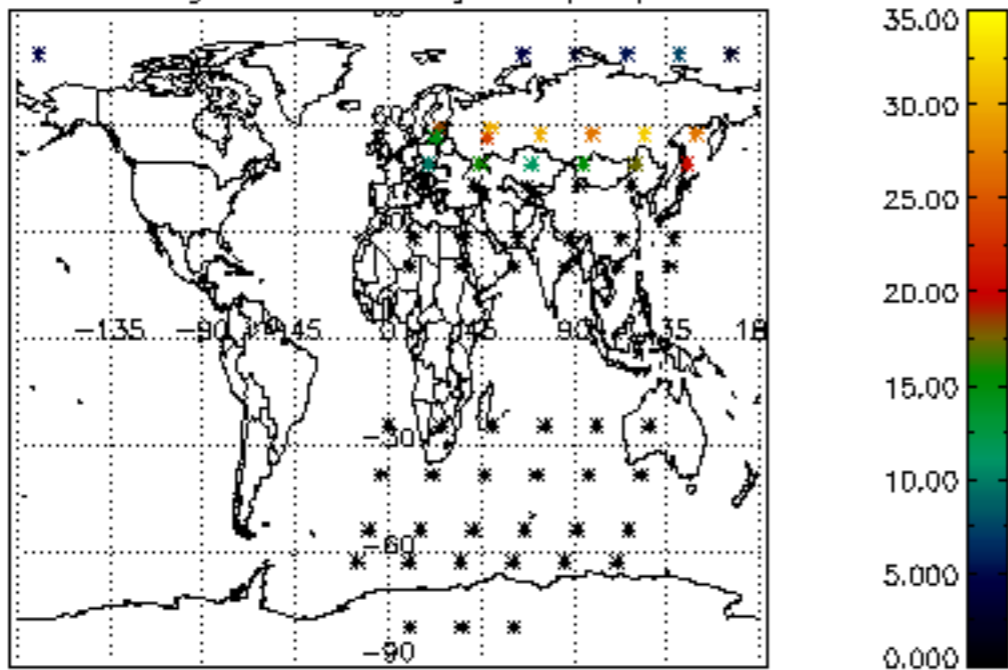
Percentage of star falling outside central band per profile



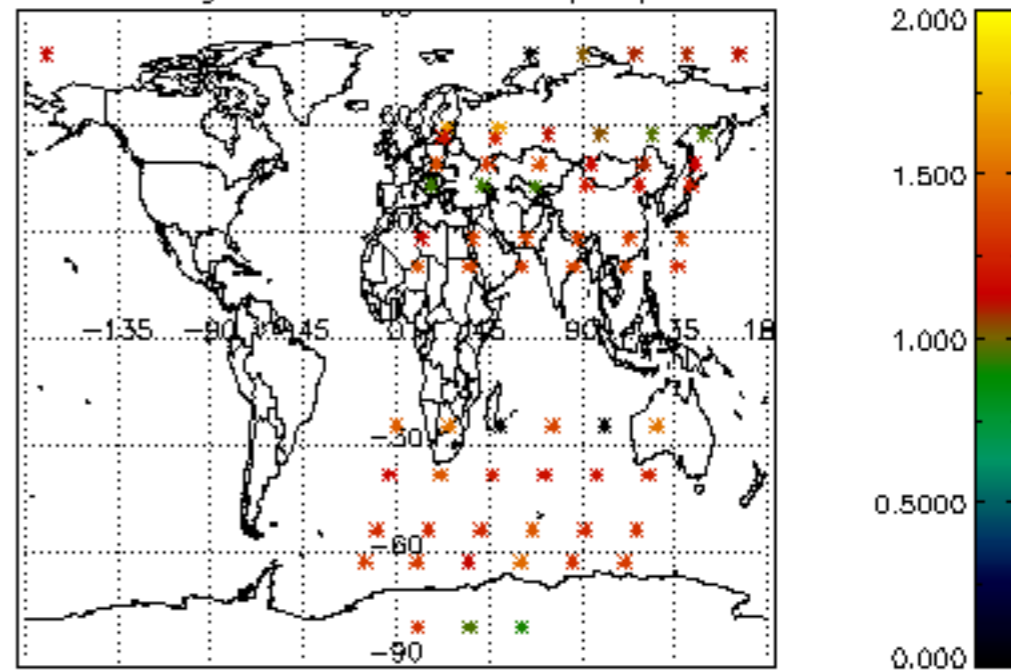
Percentage of saturation errors per profile



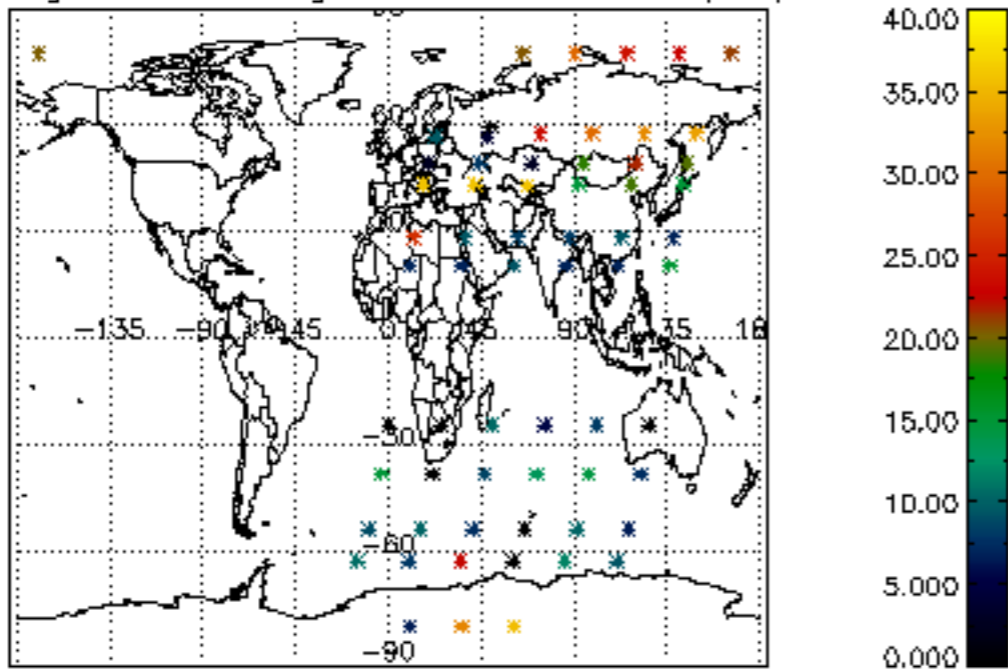
Percentage of cosmic ray hits per profile



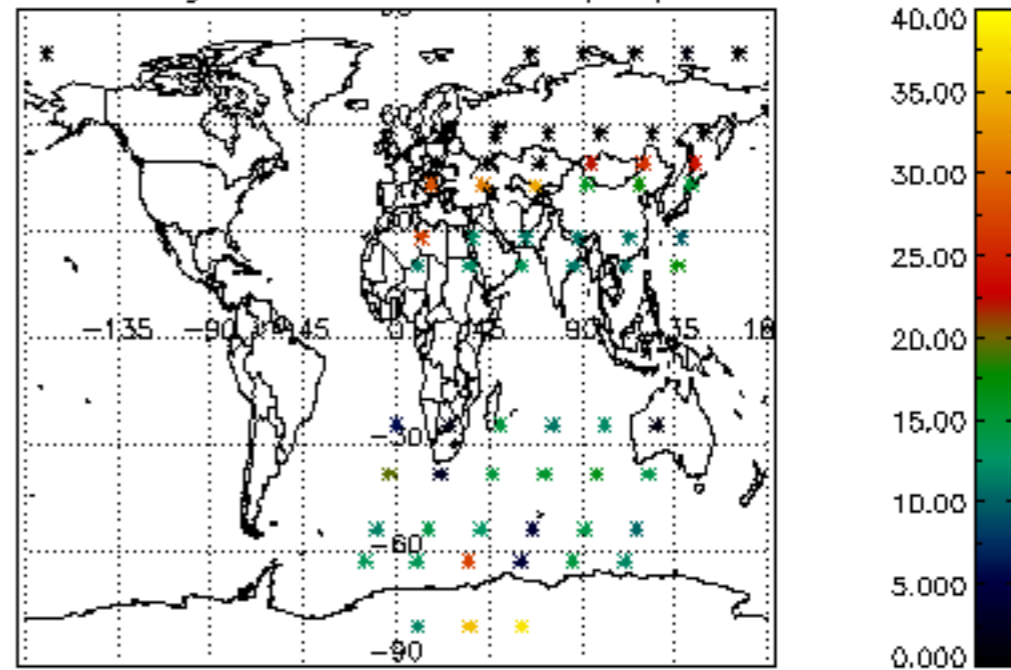
Percentage of datation errors per profile



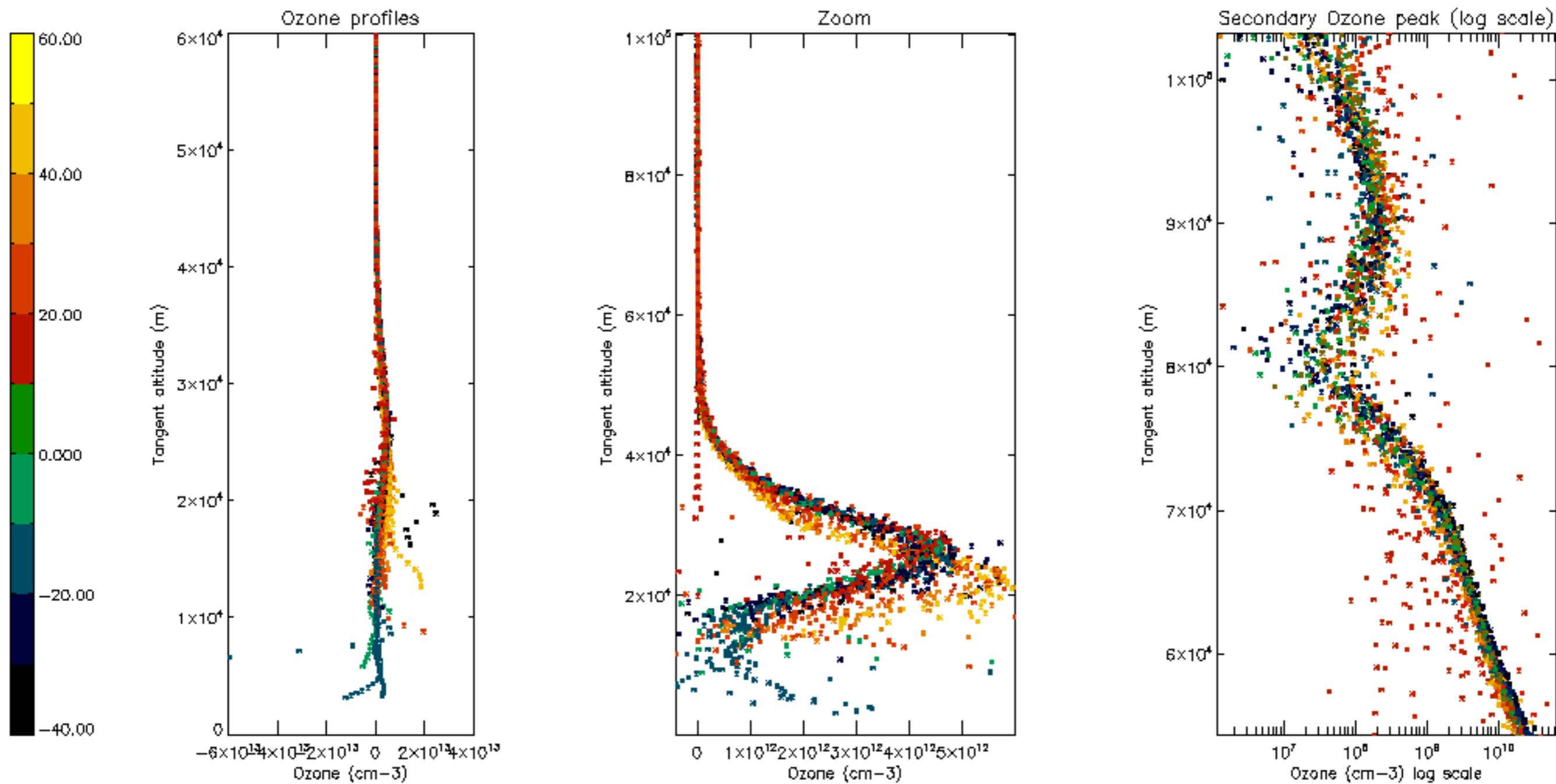
Percentage of star falling outside central band per profile

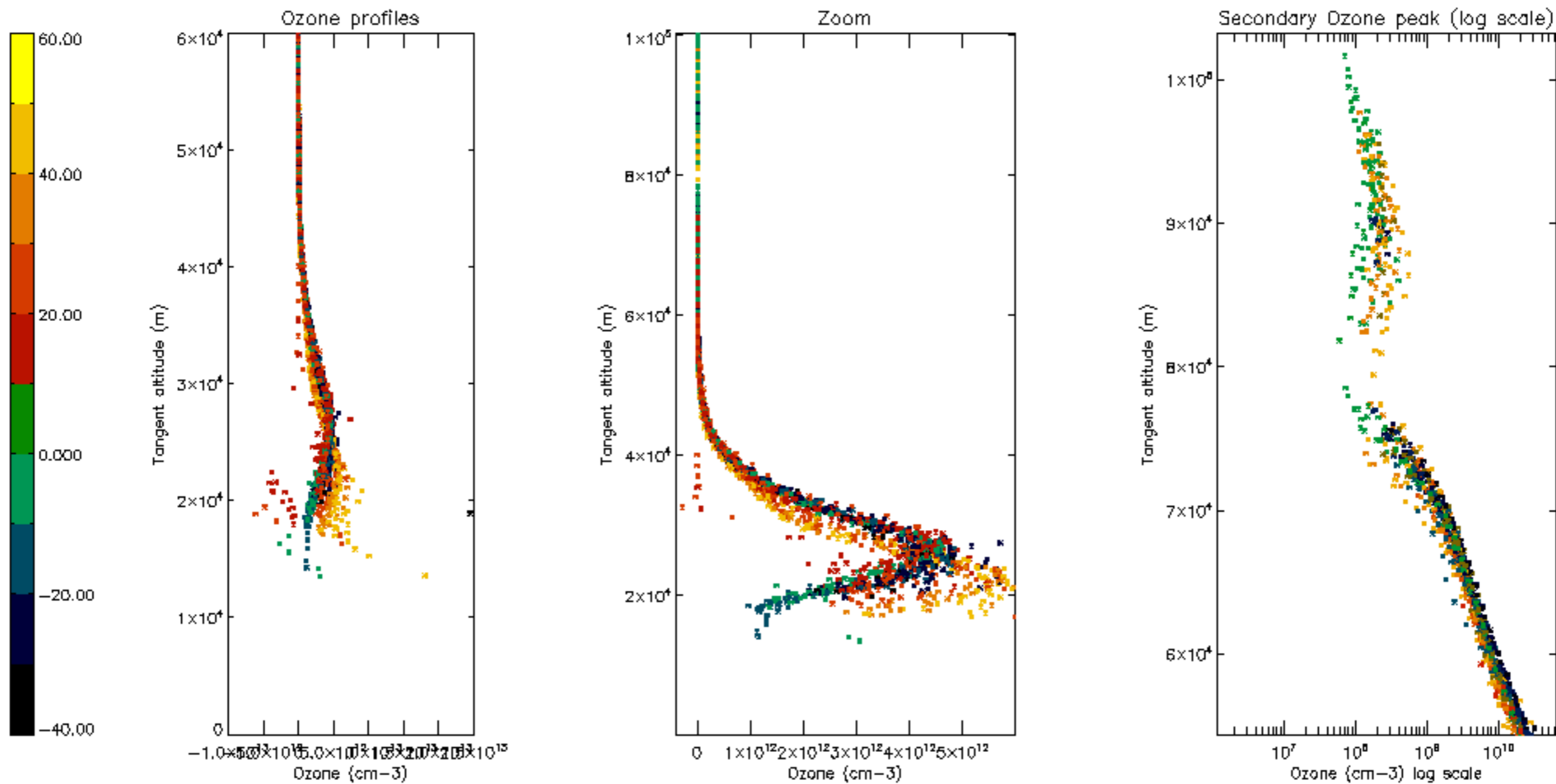


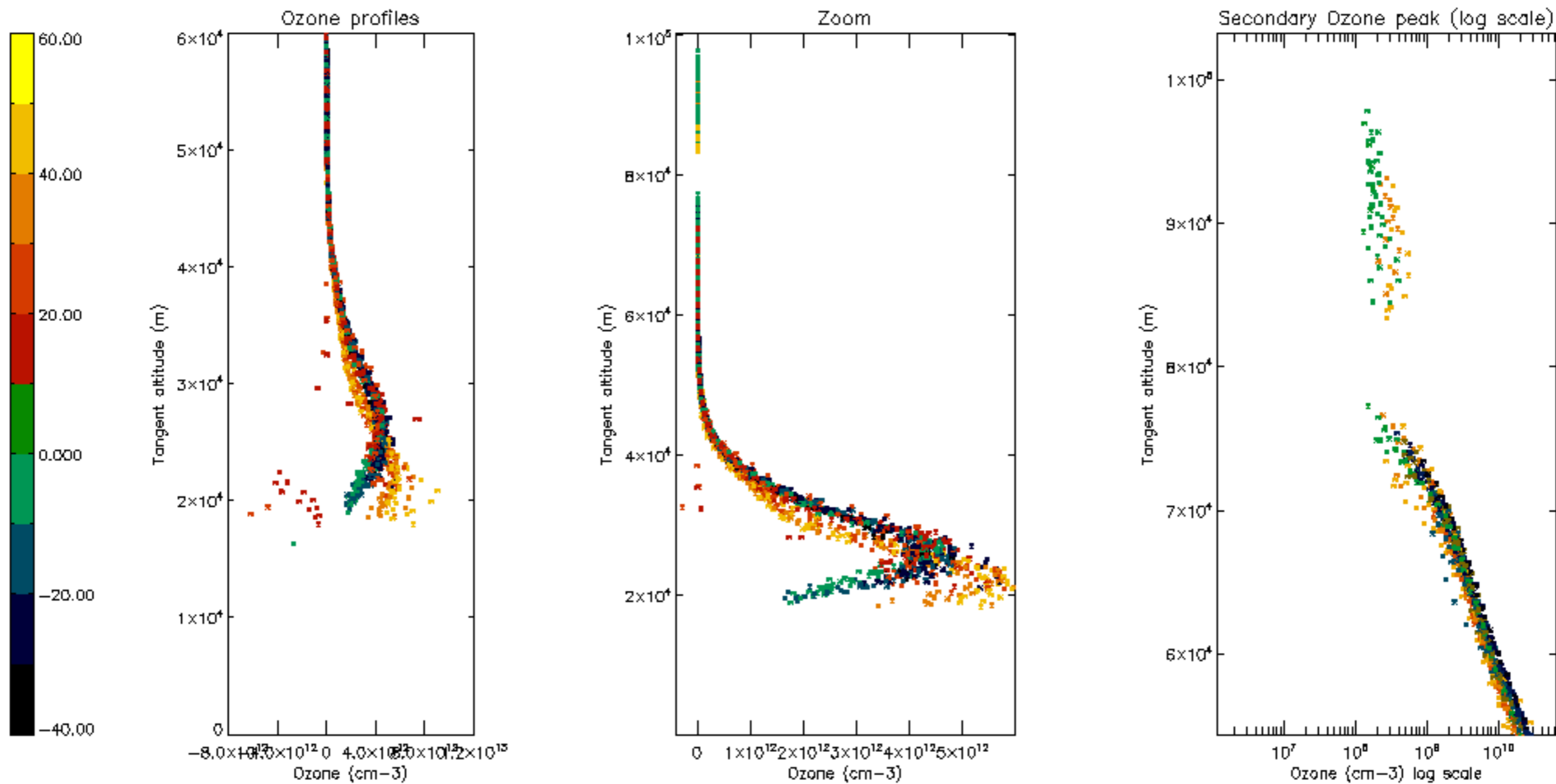
Percentage of saturation errors per profile

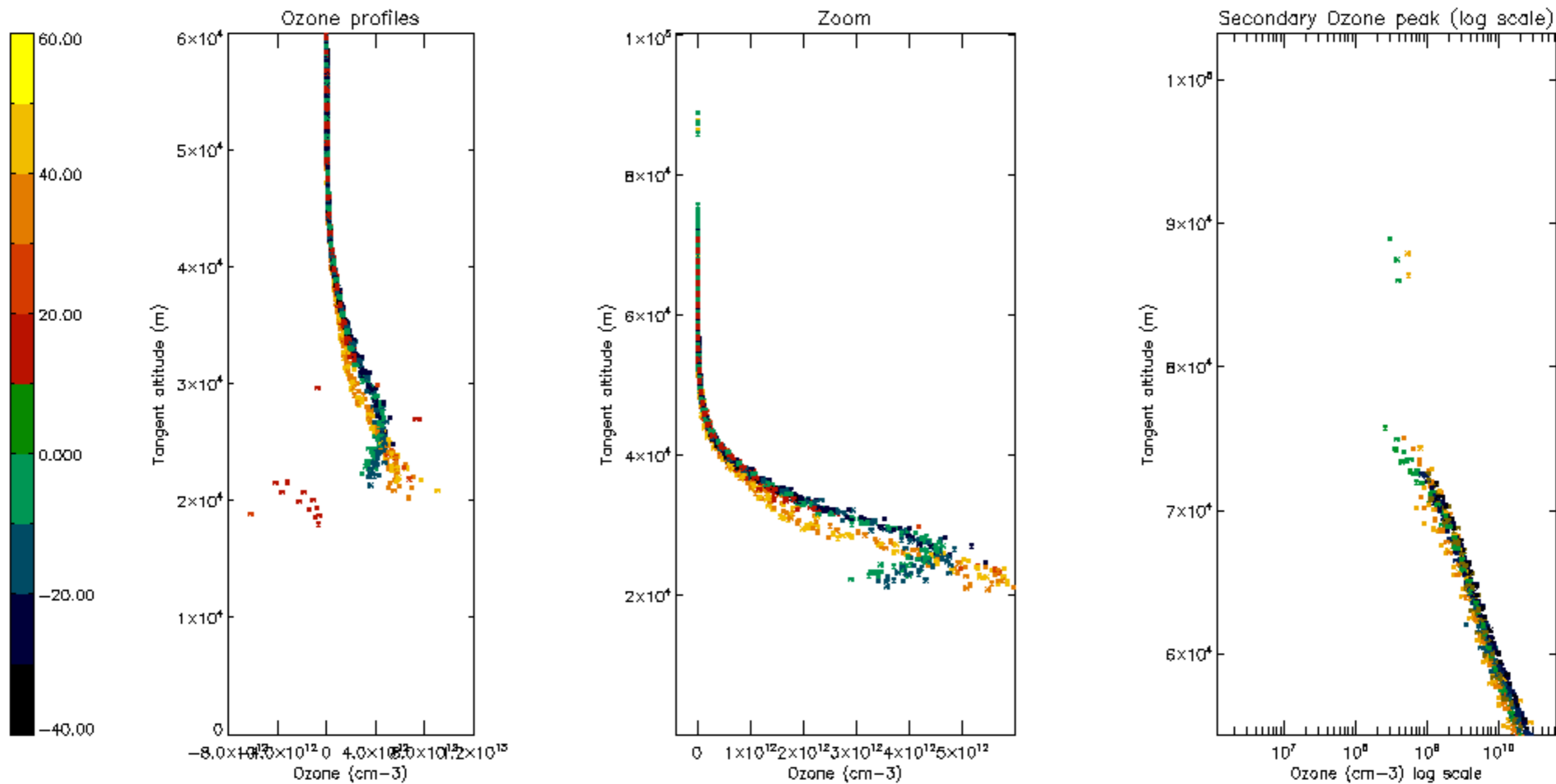


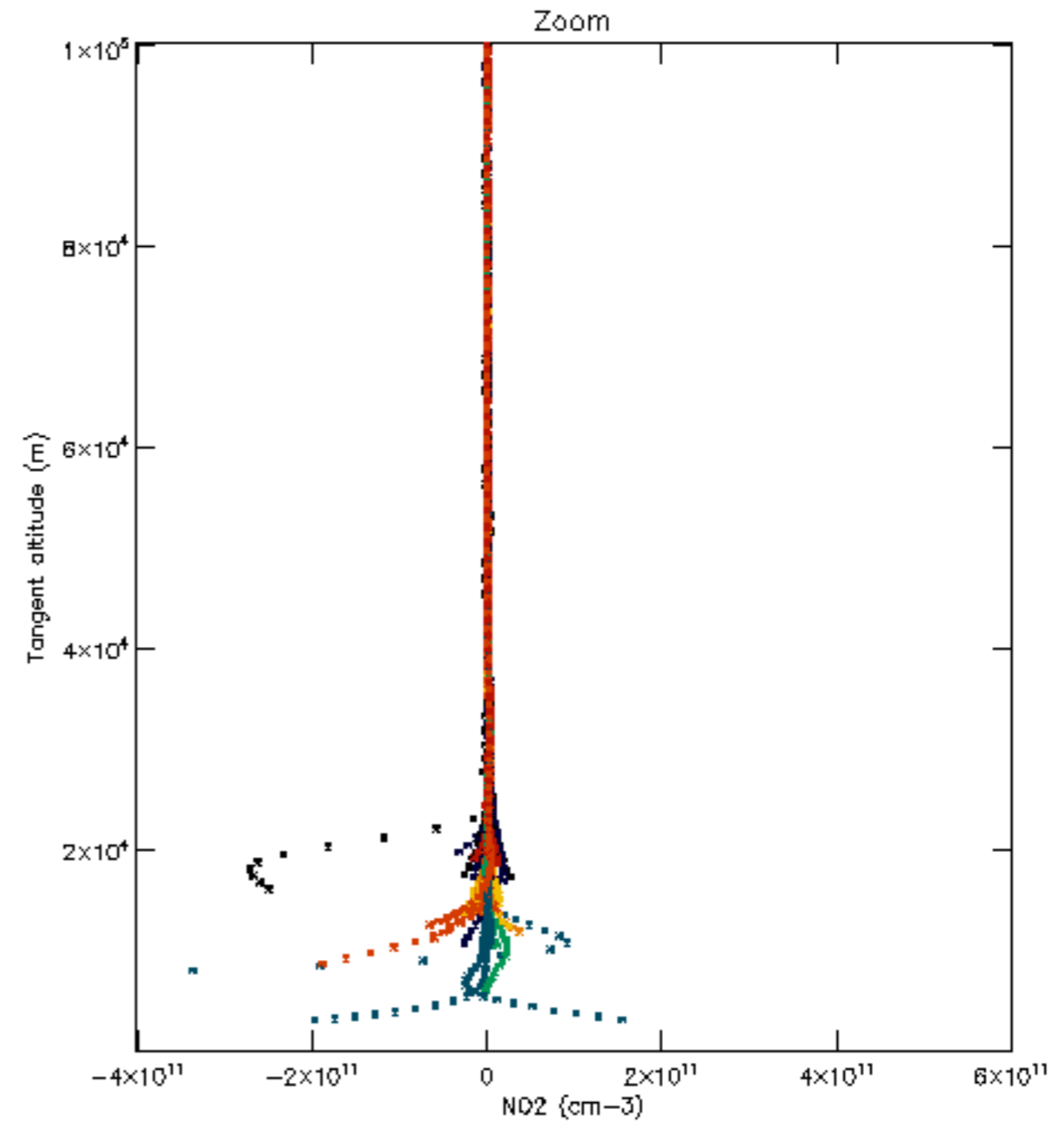
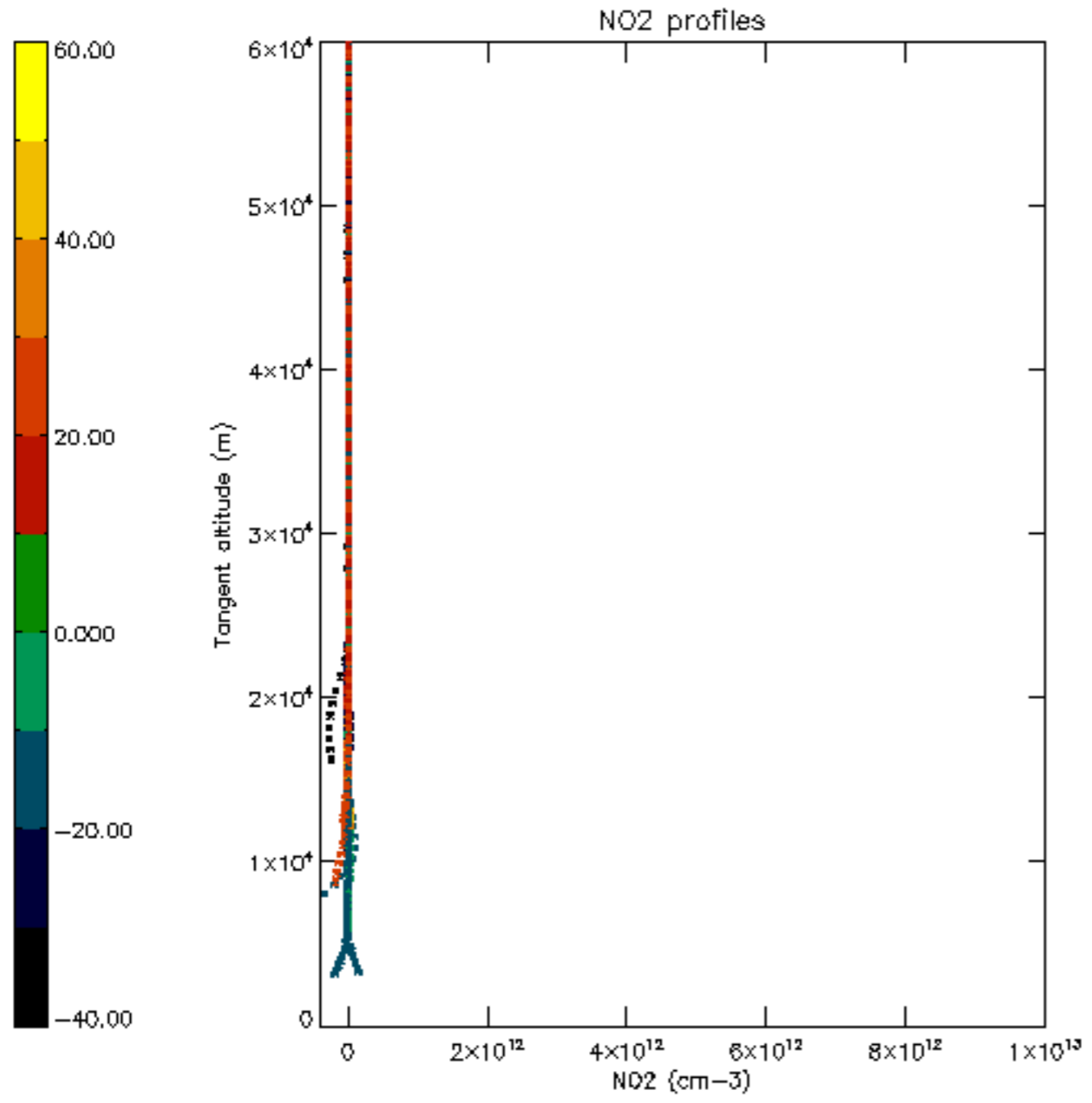


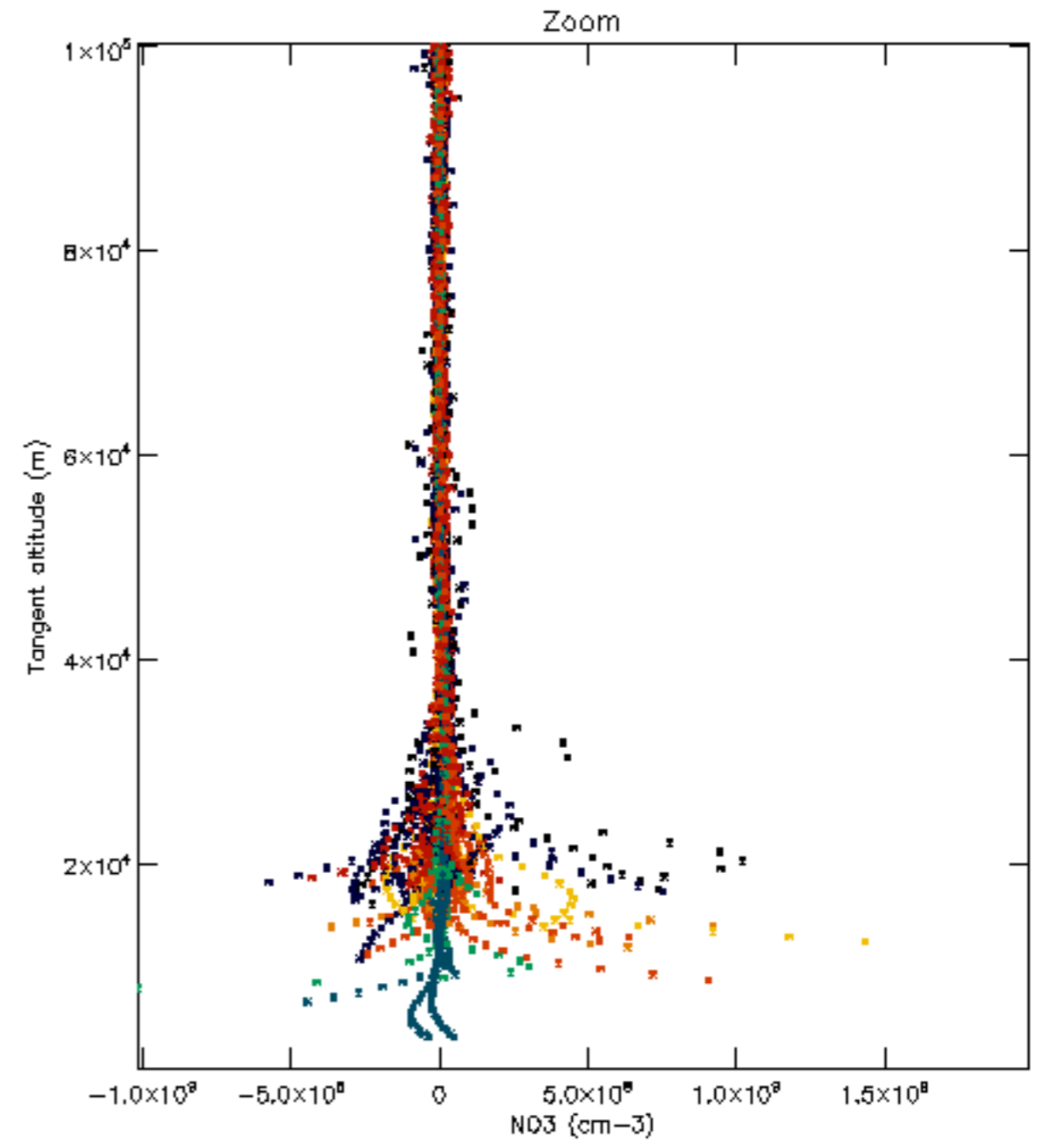
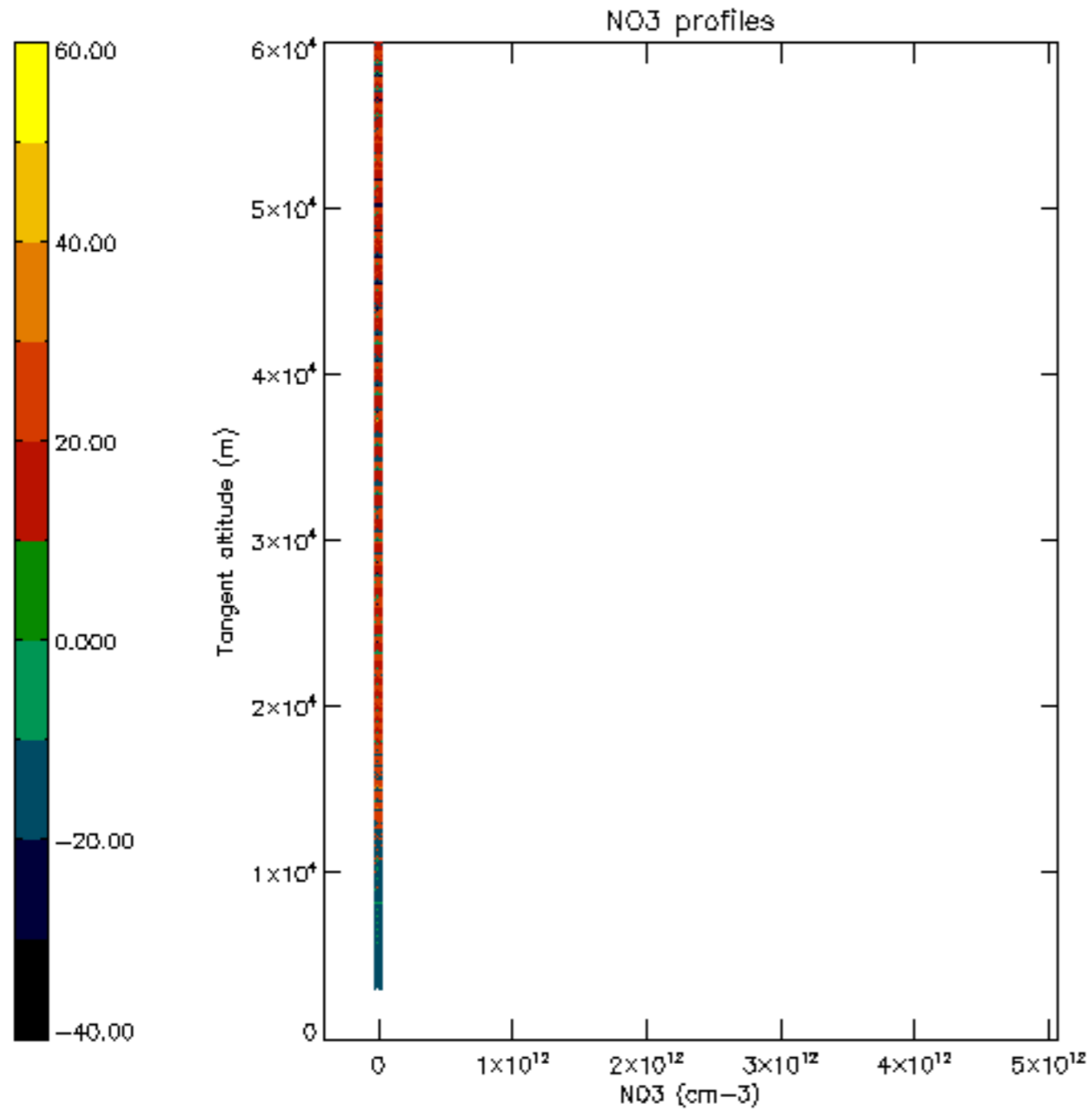


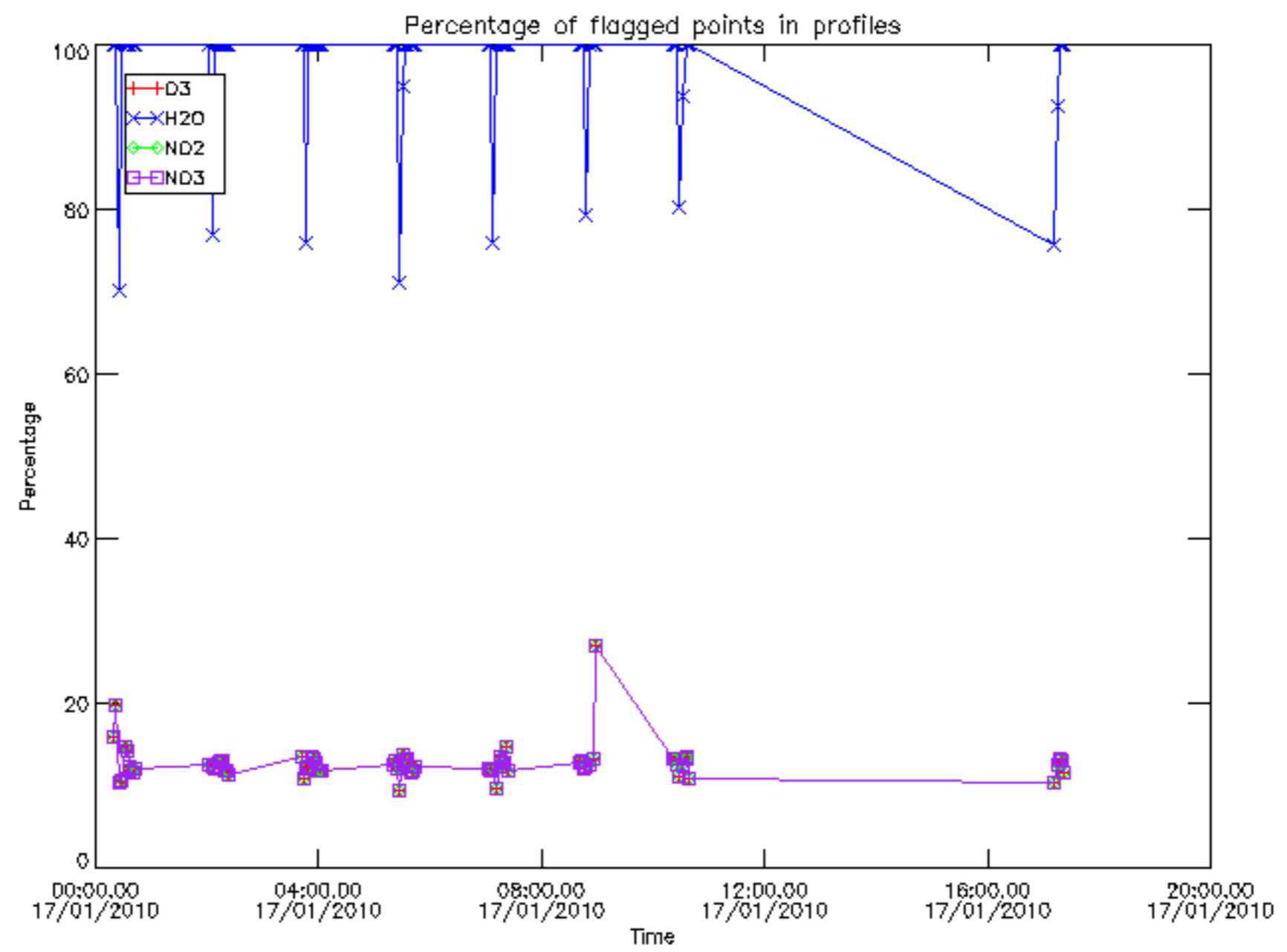




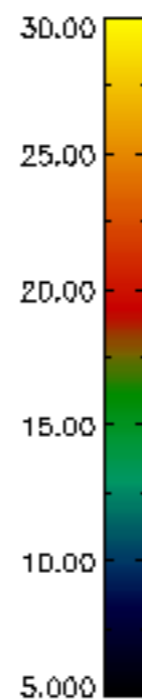
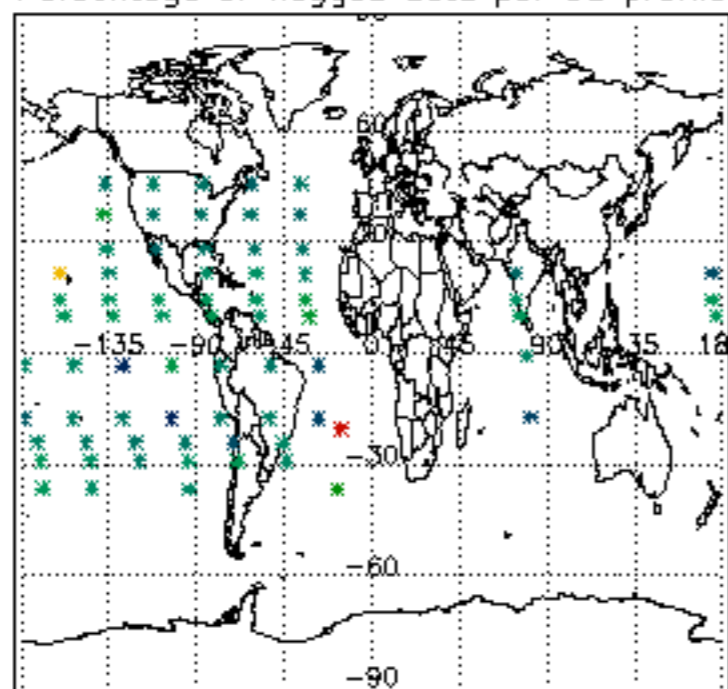




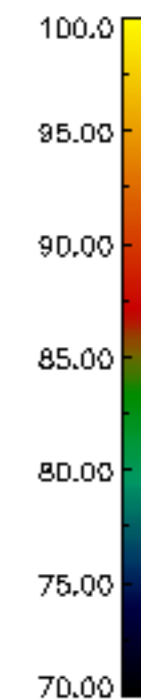
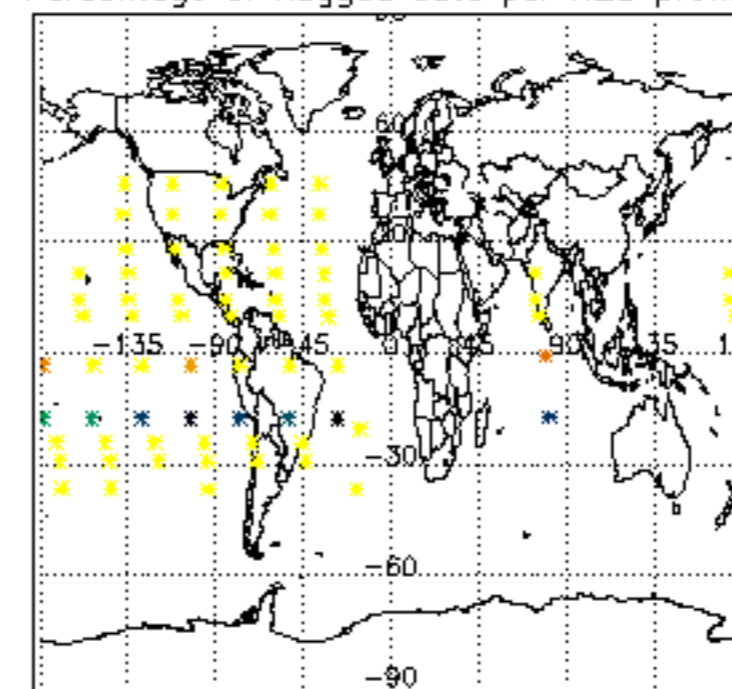




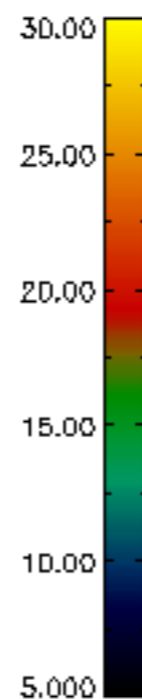
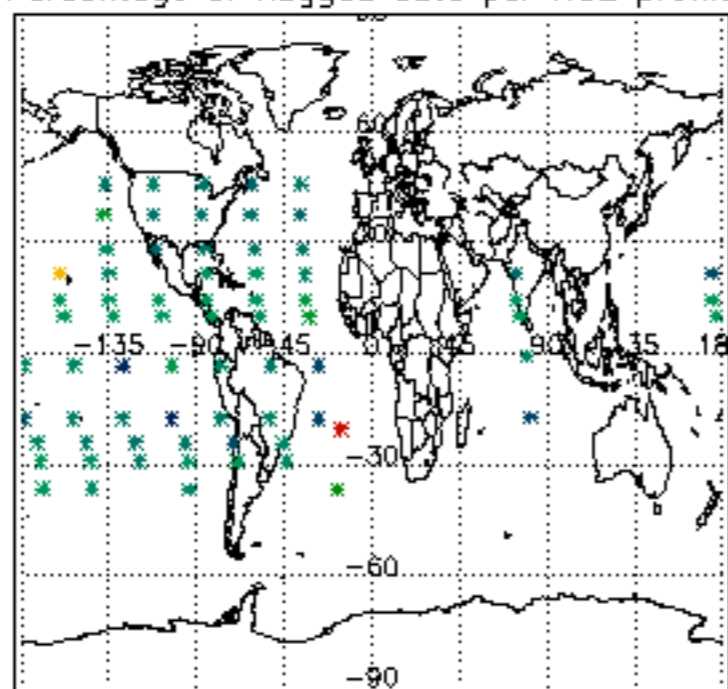
Percentage of flagged data per D3 profile



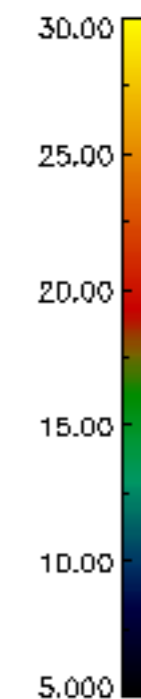
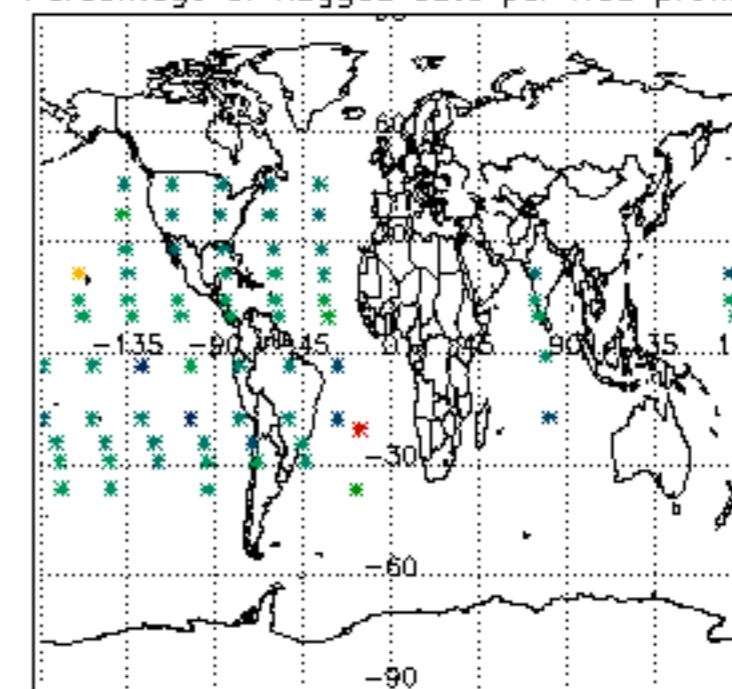
Percentage of flagged data per H2O profile



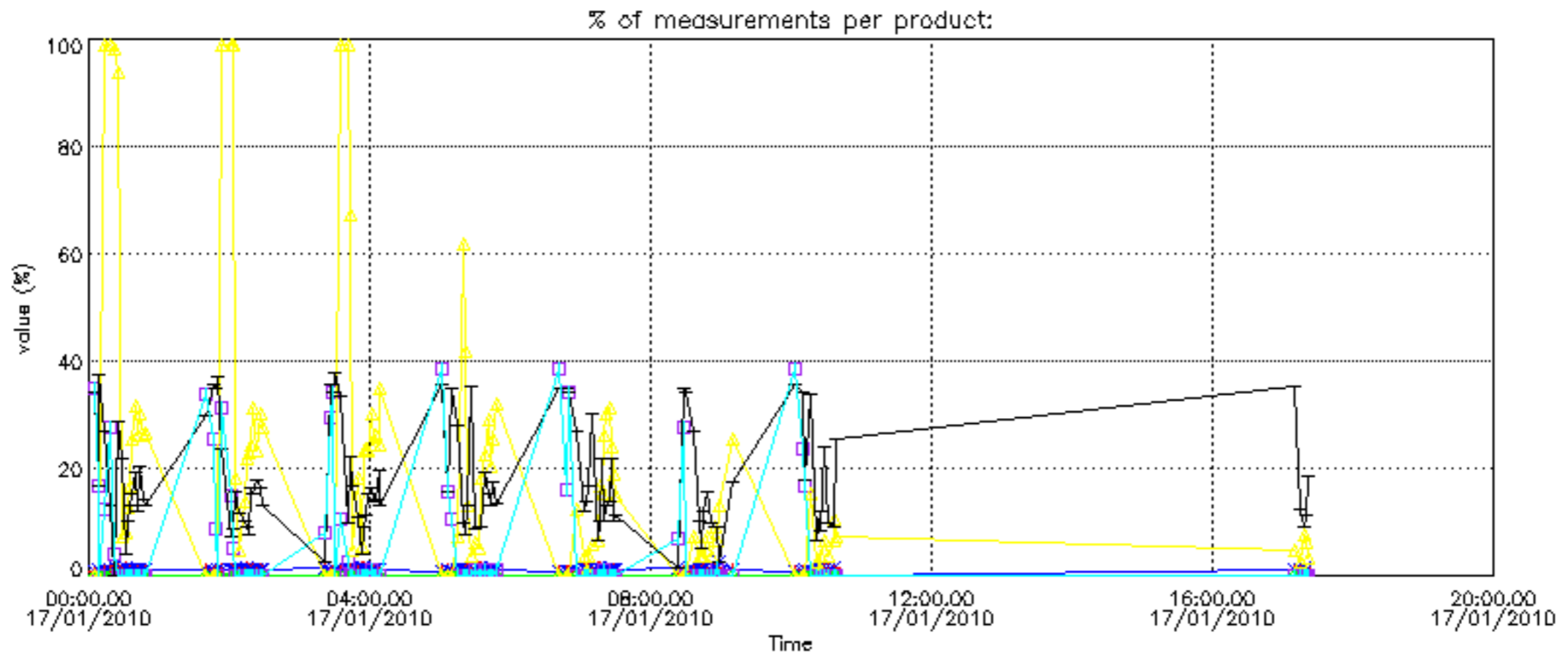
Percentage of flagged data per NO2 profile

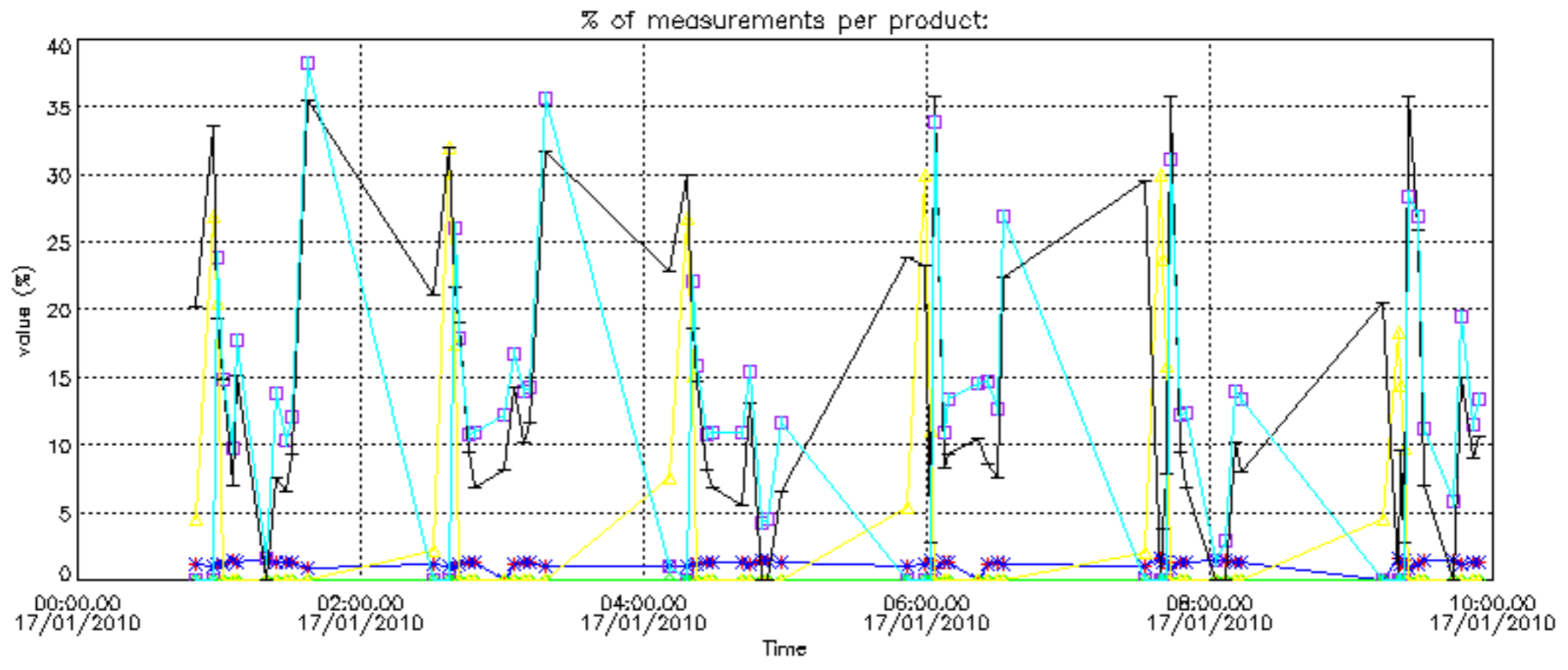


Percentage of flagged data per NO3 profile

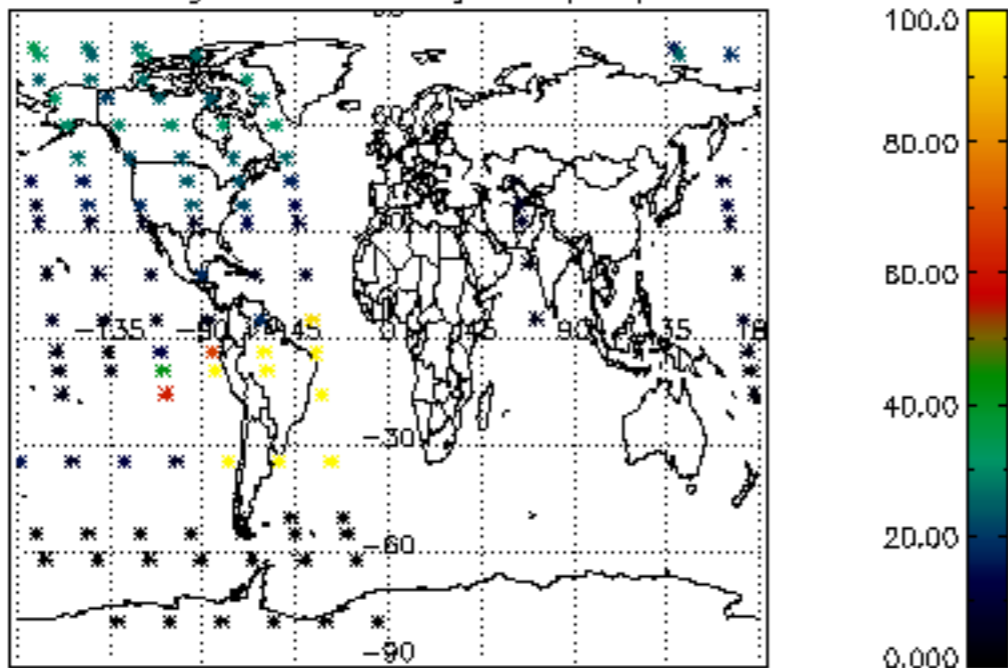




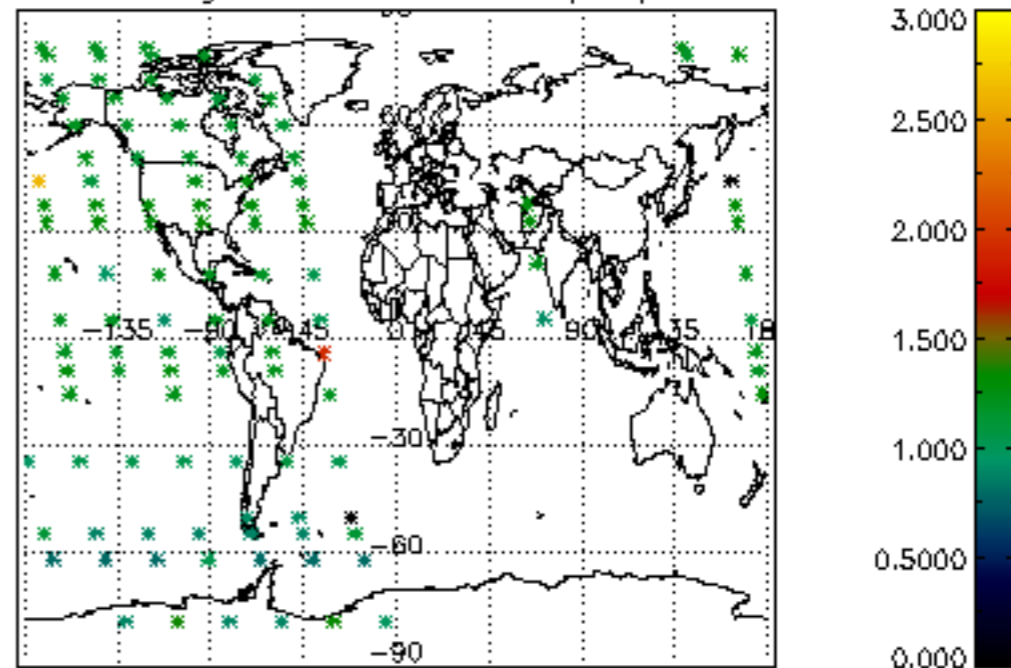




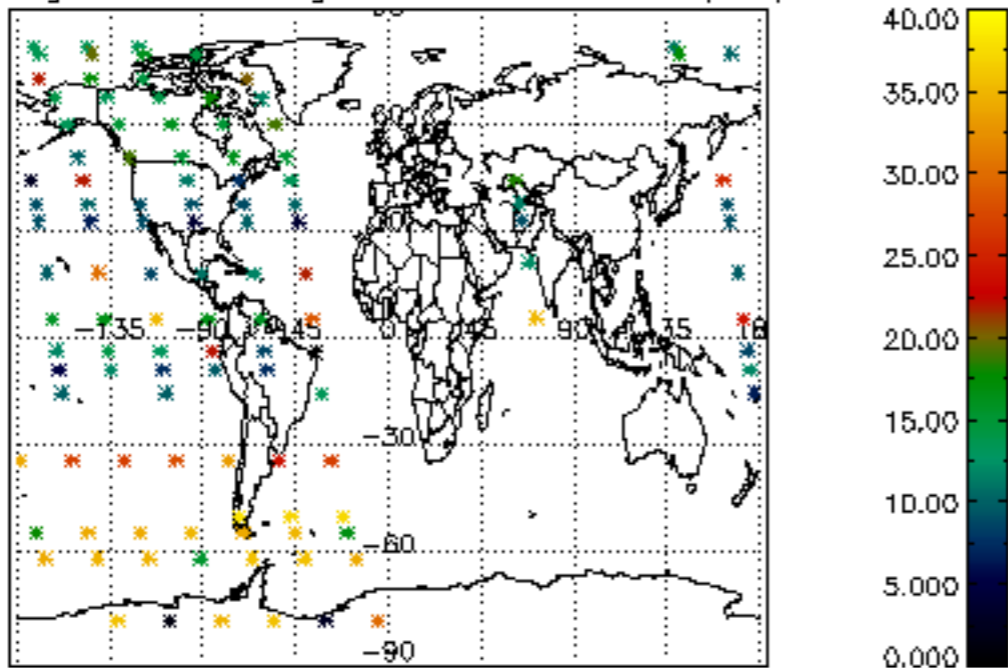
Percentage of cosmic ray hits per profile



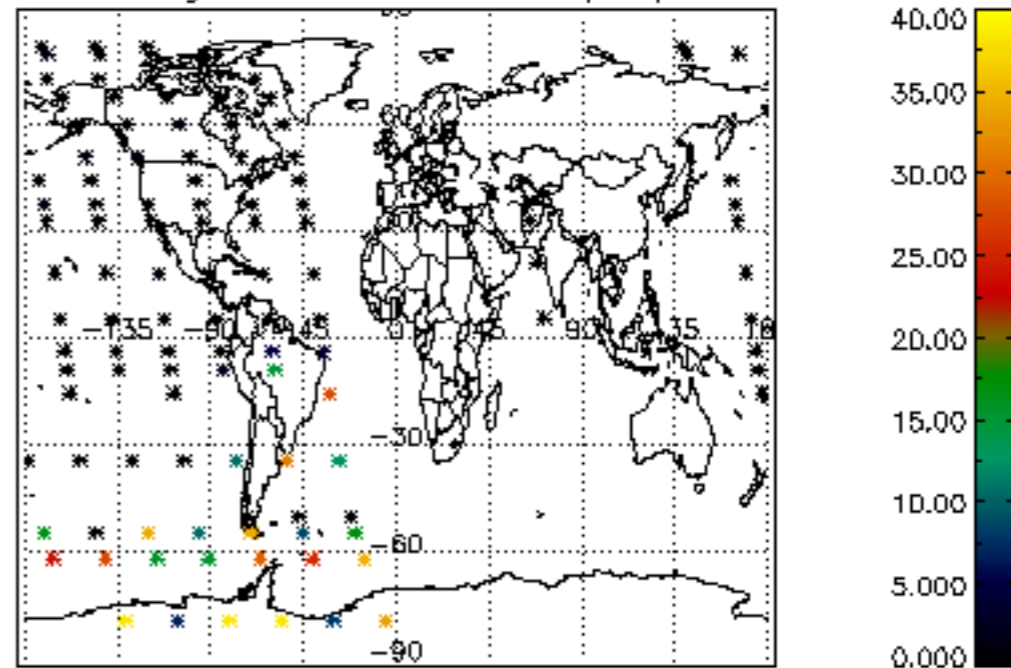
Percentage of datation errors per profile



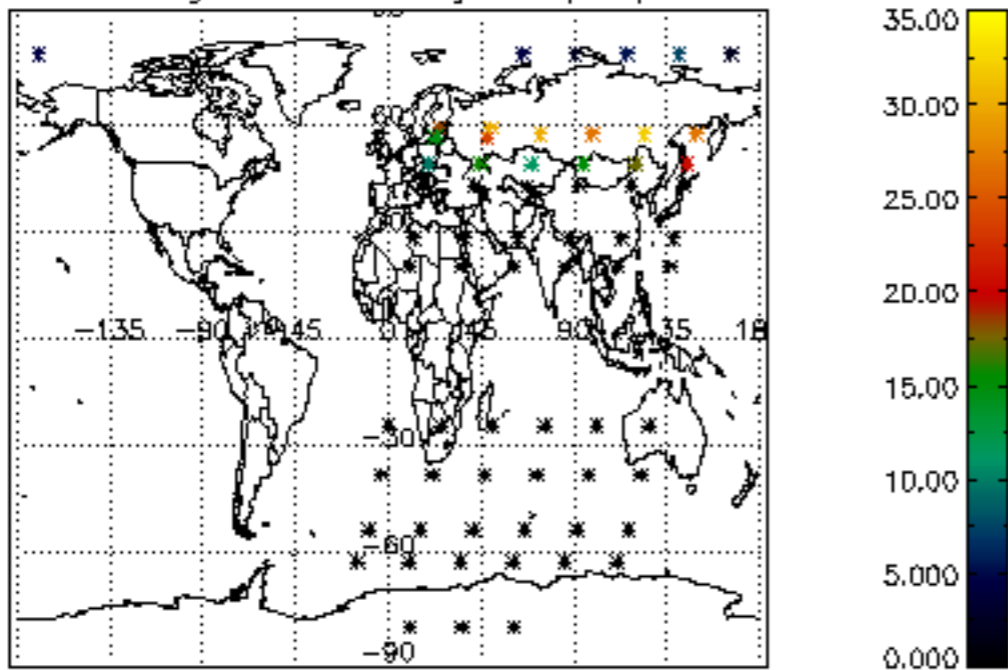
Percentage of star falling outside central band per profile



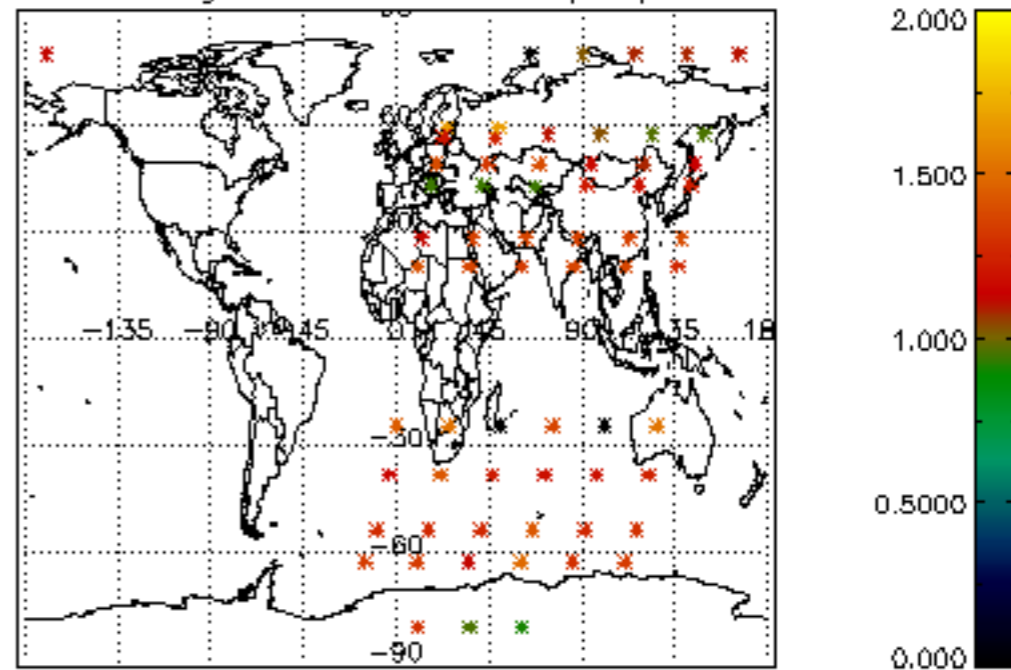
Percentage of saturation errors per profile



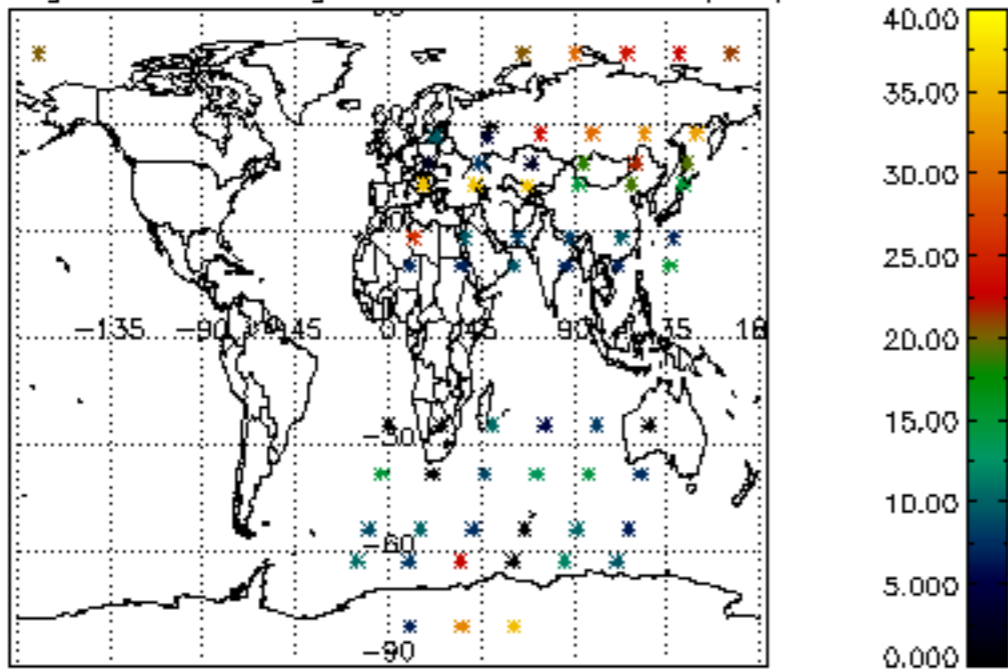
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

