

# 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 09:45:11
Data source version	GOMOS/6.01
Start time of products	25-05-2009 (25MAY2009 00:00:00)
Stop time of products	26-05-2009 (26MAY2009 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	186
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__2PRFIN20090525_000206_000000342079_00188_37817_7606.N1	25-MAY-2009 00:02:06	Bright	34.000	120	1Del Oph	2.7340	3200.0	68	37817	No
2	GOM_NL__2PRFIN20090525_001056_000000392079_00188_37817_7607.N1	25-MAY-2009 00:10:56	Bright	39.000	127	27Bet Her	2.7810	4700.0	78	37817	No
3	GOM_NL__2PRFIN20090525_001436_000000402079_00188_37817_7608.N1	25-MAY-2009 00:14:36	Bright	40.000	133	40Zet Her	2.8070	6000.0	80	37817	No
4	GOM_NL__2PRFIN20090525_002215_000000392079_00188_37817_7609.N1	25-MAY-2009 00:22:15	Bright	38.500	130	23Bet Dra	2.7990	5800.0	77	37817	No
5	GOM_NL__2PRFIN20090525_003252_000000342079_00188_37817_7610.N1	25-MAY-2009 00:32:52	Bright	33.500	89	5Alp Cep	2.4510	8000.0	67	37817	No
6	GOM_NL__2PRFIN20090525_004704_000000282079_00188_37817_7611.N1	25-MAY-2009 00:47:04	Twilight	28.000	58	21Alp And	2.0730	11000.	56	37817	No
7	GOM_NL__2PRFIN20090525_005135_000000292079_00188_37817_7612.N1	25-MAY-2009 00:51:35	Dark	29.000	140	88Gam Peg	2.8340	26000.	58	37817	No
8	GOM_NL__2PRFIN20090525_010807_000000392079_00188_37817_7613.N1	25-MAY-2009 01:08:07	Dark	39.000	18	24Alp PsA	1.1660	9700.0	78	37817	No
9	GOM_NL__2PRFIN20090525_011342_000000422079_00189_37818_7638.N1	25-MAY-2009 01:13:42	Dark	42.000	172	Gam Gru	3.0030	13100.	84	37818	No
10	GOM_NL__2PRFIN20090525_012900_000000362079_00189_37818_7639.N1	25-MAY-2009 01:29:00	Straylight	35.500	178	lot1Sco	3.0220	6550.0	71	37818	No
11	GOM_NL__2PRFIN20090525_013022_000000352079_00189_37818_7640.N1	25-MAY-2009 01:30:22	Straylight	35.000	25	35Lam Sco	1.6200	28000.	70	37818	No
12	GOM_NL__2PRFIN20090525_013825_000000392079_00189_37818_7641.N1	25-MAY-2009 01:38:25	Bright	39.000	86	35Eta Oph	2.4300	10200.	78	37818	No
13	GOM_NL__2PRFIN20090525_014024_000000362079_00189_37818_7642.N1	25-MAY-2009 01:40:24	Bright	35.500	98	13Zet Oph	2.5710	30000.	71	37818	No
14	GOM_NL__2PRFIN20090525_014242_000000342079_00189_37818_7643.N1	25-MAY-2009 01:42:42	Bright	34.000	120	1Del Oph	2.7340	3200.0	68	37818	No
15	GOM_NL__2PRFIN20090525_015131_000000392079_00189_37818_7644.N1	25-MAY-2009 01:51:31	Bright	39.000	127	27Bet Her	2.7810	4700.0	78	37818	No
16	GOM_NL__2PRFIN20090525_015511_000000402079_00189_37818_7645.N1	25-MAY-2009 01:55:11	Bright	40.000	133	40Zet Her	2.8070	6000.0	80	37818	No
17	GOM_NL__2PRFIN20090525_020250_000000392079_00189_37818_7646.N1	25-MAY-2009 02:02:50	Bright	39.000	130	23Bet Dra	2.7990	5800.0	78	37818	No
18	GOM_NL__2PRFIN20090525_021328_000000332079_00189_37818_7647.N1	25-MAY-2009 02:13:28	Bright	33.000	89	5Alp Cep	2.4510	8000.0	66	37818	No
19	GOM_NL__2PRFIN20090525_022740_000000282079_00189_37818_7648.N1	25-MAY-2009 02:27:40	Twilight	28.000	58	21Alp And	2.0730	11000.	56	37818	No
20	GOM_NL__2PRFIN20090525_023212_000000292079_00189_37818_7649.N1	25-MAY-2009 02:32:12	Dark	29.000	140	88Gam Peg	2.8340	26000.	58	37818	No
21	GOM_NL__2PRFIN20090525_024844_000000392079_00189_37818_7650.N1	25-MAY-2009 02:48:44	Dark	38.500	18	24Alp PsA	1.1660	9700.0	77	37818	No
22	GOM_NL__2PRFIN20090525_025419_000000422079_00190_37819_7653.N1	25-MAY-2009 02:54:19	Dark	42.000	172	Gam Gru	3.0030	13100.	84	37819	No
23	GOM_NL__2PRFIN20090525_030937_000000362079_00190_37819_7654.N1	25-MAY-2009 03:09:37	Straylight	35.500	178	lot1Sco	3.0220	6550.0	71	37819	No
24	GOM_NL__2PRFIN20090525_031058_000000362079_00190_37819_7655.N1	25-MAY-2009 03:10:58	Straylight	35.500	25	35Lam Sco	1.6200	28000.	71	37819	No
25	GOM_NL__2PRFIN20090525_031901_000000392079_00190_37819_7656.N1	25-MAY-2009 03:19:01	Bright	39.000	86	35Eta Oph	2.4300	10200.	78	37819	No
26	GOM_NL__2PRFIN20090525_032100_000000362079_00190_37819_7657.N1	25-MAY-2009 03:21:00	Bright	35.500	98	13Zet Oph	2.5710	30000.	71	37819	No
27	GOM_NL__2PRFIN20090525_032317_000000342079_00190_37819_7658.N1	25-MAY-2009 03:23:17	Bright	34.000	120	1Del Oph	2.7340	3200.0	68	37819	No
28	GOM_NL__2PRFIN20090525_033207_000000392079_00190_37819_7659.N1	25-MAY-2009 03:32:07	Bright	39.000	127	27Bet Her	2.7810	4700.0	78	37819	No
29	GOM_NL__2PRFIN20090525_033546_000000402079_00190_37819_7660.N1	25-MAY-2009 03:35:46	Bright	40.000	133	40Zet Her	2.8070	6000.0	80	37819	No
30	GOM_NL__2PRFIN20090525_034325_000000392079_00190_37819_7661.N1	25-MAY-2009 03:43:25	Bright	38.500	130	23Bet Dra	2.7990	5800.0	77	37819	No
31	GOM_NL__2PRFIN20090525_035403_000000342079_00190_37819_7662.N1	25-MAY-2009 03:54:03	Bright	34.000	89	5Alp Cep	2.4510	8000.0	68	37819	No
32	GOM_NL__2PRFIN20090525_040816_000000282079_00190_37819_7663.N1	25-MAY-2009 04:08:16	Twilight	28.000	58	21Alp And	2.0730	11000.	56	37819	No
33	GOM_NL__2PRFIN20090525_041248_000000292079_00190_37819_7664.N1	25-MAY-2009 04:12:48	Dark	28.500	140	88Gam Peg	2.8340	26000.	57	37819	No
34	GOM_NL__2PRFIN20090525_042921_000000392079_00190_37819_7665.N1	25-MAY-2009 04:29:21	Dark	38.500	18	24Alp PsA	1.1660	9700.0	77	37819	No
35	GOM_NL__2PRFIN20090525_043456_000000422079_00191_37820_7667.N1	25-MAY-2009 04:34:56	Dark	42.000	172	Gam Gru	3.0030	13100.	84	37820	No
36	GOM_NL__2PRFIN20090525_045014_000000352079_00191_37820_7668.N1	25-MAY-2009 04:50:14	Straylight	35.000	178	lot1Sco	3.0220	6550.0	70	37820	No
37	GOM_NL__2PRFIN20090525_045135_000000352079_00191_37820_7669.N1	25-MAY-2009 04:51:35	Straylight	35.000	25	35Lam Sco	1.6200	28000.	70	37820	No
38	GOM_NL__2PRFIN20090525_045937_000000392079_00191_37820_7670.N1	25-MAY-2009 04:59:37	Bright	39.000	86	35Eta Oph	2.4300	10200.	78	37820	No
39	GOM_NL__2PRFIN20090525_050136_000000362079_00191_37820_7671.N1	25-MAY-2009 05:01:36	Bright	35.500	98	13Zet Oph	2.5710	30000.	71	37820	No
40	GOM_NL__2PRFIN20090525_050353_000000342079_00191_37820_7672.N1	25-MAY-2009 05:03:53	Bright	34.000	120	1Del Oph	2.7340	3200.0	68	37820	No
41	GOM_NL__2PRFIN20090525_051243_000000382079_00191_37820_7673.N1	25-MAY-2009 05:12:43	Bright	38.000	127	27Bet Her	2.7810	4700.0	76	37820	No
42	GOM_NL__2PRFIN20090525_051622_000000402079_00191_37820_7674.N1	25-MAY-2009 05:16:22	Bright	39.500	133	40Zet Her	2.8070	6000.0	79	37820	No

43	GOM_NL__2PRFIN20090525_052401_000000382079_00191_37820_7675.N1	25-MAY-2009 05:24:01	Bright	38.000	130	23Bet Dra	2.7990	5800.0	76	37820	No
44	GOM_NL__2PRFIN20090525_053439_000000342079_00191_37820_7676.N1	25-MAY-2009 05:34:39	Bright	33.500	89	5Alp Cep	2.4510	8000.0	67	37820	No
45	GOM_NL__2PRFIN20090525_054852_000000282079_00191_37820_7677.N1	25-MAY-2009 05:48:52	Tw_i_and_stray	28.000	58	21Alp And	2.0730	11000.	56	37820	No
46	GOM_NL__2PRFIN20090525_055324_000000292079_00191_37820_7678.N1	25-MAY-2009 05:53:24	Dark	29.000	140	88Gam Peg	2.8340	26000.	58	37820	No
47	GOM_NL__2PRFIN20090525_060958_000000382079_00191_37820_7679.N1	25-MAY-2009 06:09:58	Dark	38.000	18	24Alp PsA	1.1660	9700.0	76	37820	No
48	GOM_NL__2PRFIN20090525_061533_000000432079_00192_37821_7682.N1	25-MAY-2009 06:15:33	Dark	42.500	172	Gam Gru	3.0030	13100.	85	37821	No
49	GOM_NL__2PRFIN20090525_063050_000000362079_00192_37821_7683.N1	25-MAY-2009 06:30:50	Straylight	35.500	178	lot1Sco	3.0220	6550.0	71	37821	No
50	GOM_NL__2PRFIN20090525_063211_000000362079_00192_37821_7684.N1	25-MAY-2009 06:32:11	Straylight	35.500	25	35Lam Sco	1.6200	28000.	71	37821	No
51	GOM_NL__2PRFIN20090525_064013_000000392079_00192_37821_7685.N1	25-MAY-2009 06:40:13	Bright	39.000	86	35Eta Oph	2.4300	10200.	78	37821	No
52	GOM_NL__2PRFIN20090525_064212_000000362079_00192_37821_7686.N1	25-MAY-2009 06:42:12	Bright	35.500	98	13Zet Oph	2.5710	30000.	71	37821	No
53	GOM_NL__2PRFIN20090525_064429_000000342079_00192_37821_7687.N1	25-MAY-2009 06:44:29	Bright	34.000	120	1Del Oph	2.7340	3200.0	68	37821	No
54	GOM_NL__2PRFIN20090525_065317_000000392079_00192_37821_7688.N1	25-MAY-2009 06:53:17	Bright	39.000	127	27Bet Her	2.7810	4700.0	78	37821	No
55	GOM_NL__2PRFIN20090525_065656_000000402079_00192_37821_7689.N1	25-MAY-2009 06:56:56	Bright	40.000	133	40Zet Her	2.8070	6000.0	80	37821	No
56	GOM_NL__2PRFIN20090525_070436_000000392079_00192_37821_7690.N1	25-MAY-2009 07:04:36	Bright	38.500	130	23Bet Dra	2.7990	5800.0	77	37821	No
57	GOM_NL__2PRFIN20090525_071514_000000342079_00192_37821_7691.N1	25-MAY-2009 07:15:14	Bright	33.500	89	5Alp Cep	2.4510	8000.0	67	37821	No
58	GOM_NL__2PRFIN20090525_072929_000000292079_00192_37821_7692.N1	25-MAY-2009 07:29:29	Tw_i_and_stray	28.500	58	21Alp And	2.0730	11000.	57	37821	No
59	GOM_NL__2PRFIN20090525_073401_000000302079_00192_37821_7693.N1	25-MAY-2009 07:34:01	Dark	29.500	140	88Gam Peg	2.8340	26000.	59	37821	No
60	GOM_NL__2PRFIN20090525_075035_000000392079_00192_37821_7694.N1	25-MAY-2009 07:50:35	Dark	38.500	18	24Alp PsA	1.1660	9700.0	77	37821	No
61	GOM_NL__2PRFIN20090525_075611_000000422079_00193_37822_7697.N1	25-MAY-2009 07:56:11	Dark	42.000	172	Gam Gru	3.0030	13100.	84	37822	No
62	GOM_NL__2PRFIN20090525_081126_000000362079_00193_37822_7698.N1	25-MAY-2009 08:11:26	Straylight	35.500	178	lot1Sco	3.0220	6550.0	71	37822	No
63	GOM_NL__2PRFIN20090525_081247_000000362079_00193_37822_7699.N1	25-MAY-2009 08:12:47	Straylight	35.500	25	35Lam Sco	1.6200	28000.	71	37822	No
64	GOM_NL__2PRFIN20090525_082049_000000392079_00193_37822_7700.N1	25-MAY-2009 08:20:49	Bright	38.500	86	35Eta Oph	2.4300	10200.	77	37822	No
65	GOM_NL__2PRFIN20090525_082248_000000352079_00193_37822_7701.N1	25-MAY-2009 08:22:48	Bright	35.000	98	13Zet Oph	2.5710	30000.	70	37822	No
66	GOM_NL__2PRFIN20090525_082505_000000342079_00193_37822_7702.N1	25-MAY-2009 08:25:05	Bright	33.500	120	1Del Oph	2.7340	3200.0	67	37822	No
67	GOM_NL__2PRFIN20090525_083353_000000392079_00193_37822_7703.N1	25-MAY-2009 08:33:53	Bright	38.500	127	27Bet Her	2.7810	4700.0	77	37822	No
68	GOM_NL__2PRFIN20090525_083732_000000402079_00193_37822_7704.N1	25-MAY-2009 08:37:32	Bright	39.500	133	40Zet Her	2.8070	6000.0	79	37822	No
69	GOM_NL__2PRFIN20090525_084511_000000382079_00193_37822_7705.N1	25-MAY-2009 08:45:11	Bright	38.000	130	23Bet Dra	2.7990	5800.0	76	37822	No
70	GOM_NL__2PRFIN20090525_085550_000000342079_00193_37822_7706.N1	25-MAY-2009 08:55:50	Bright	33.500	89	5Alp Cep	2.4510	8000.0	67	37822	No
71	GOM_NL__2PRFIN20090525_091005_000000282079_00193_37822_7707.N1	25-MAY-2009 09:10:05	Tw_i_and_stray	28.000	58	21Alp And	2.0730	11000.	56	37822	No
72	GOM_NL__2PRFIN20090525_091437_000000292079_00193_37822_7708.N1	25-MAY-2009 09:14:37	Dark	29.000	140	88Gam Peg	2.8340	26000.	58	37822	No
73	GOM_NL__2PRFIN20090525_093112_000000392079_00193_37822_7709.N1	25-MAY-2009 09:31:12	Dark	38.500	18	24Alp PsA	1.1660	9700.0	77	37822	No
74	GOM_NL__2PRFIN20090525_093648_000000422079_00194_37823_7711.N1	25-MAY-2009 09:36:48	Dark	41.500	172	Gam Gru	3.0030	13100.	83	37823	No
75	GOM_NL__2PRFIN20090525_095203_000000362079_00194_37823_7712.N1	25-MAY-2009 09:52:03	Straylight	35.500	178	lot1Sco	3.0220	6550.0	71	37823	No
76	GOM_NL__2PRFIN20090525_095324_000000352079_00194_37823_7713.N1	25-MAY-2009 09:53:24	Straylight	35.000	25	35Lam Sco	1.6200	28000.	70	37823	No
77	GOM_NL__2PRFIN20090525_100125_000000392079_00194_37823_7714.N1	25-MAY-2009 10:01:25	Bright	38.500	86	35Eta Oph	2.4300	10200.	77	37823	No
78	GOM_NL__2PRFIN20090525_100324_000000352079_00194_37823_7715.N1	25-MAY-2009 10:03:24	Bright	34.500	98	13Zet Oph	2.5710	30000.	69	37823	No
79	GOM_NL__2PRFIN20090525_100541_000000342079_00194_37823_7716.N1	25-MAY-2009 10:05:41	Bright	33.500	120	1Del Oph	2.7340	3200.0	67	37823	No
80	GOM_NL__2PRFIN20090525_101428_000000382079_00194_37823_7717.N1	25-MAY-2009 10:14:28	Bright	38.000	127	27Bet Her	2.7810	4700.0	76	37823	No
81	GOM_NL__2PRFIN20090525_101807_000000402079_00194_37823_7718.N1	25-MAY-2009 10:18:07	Bright	39.500	133	40Zet Her	2.8070	6000.0	79	37823	No
82	GOM_NL__2PRFIN20090525_102546_000000382079_00194_37823_7719.N1	25-MAY-2009 10:25:46	Bright	38.000	130	23Bet Dra	2.7990	5800.0	76	37823	No
83	GOM_NL__2PRFIN20090525_103625_000000342079_00194_37823_7720.N1	25-MAY-2009 10:36:25	Bright	33.500	89	5Alp Cep	2.4510	8000.0	67	37823	No
84	GOM_NL__2PRFIN20090525_105041_000000282079_00194_37823_7721.N1	25-MAY-2009 10:50:41	Tw_i_and_stray	28.000	58	21Alp And	2.0730	11000.	56	37823	No
85	GOM_NL__2PRFIN20090525_105513_000000292079_00194_37823_7722.N1	25-MAY-2009 10:55:13	Dark	28.500	140	88Gam Peg	2.8340	26000.	57	37823	No
86	GOM_NL__2PRFIN20090525_111149_000000382079_00194_37823_7723.N1	25-MAY-2009 11:11:49	Dark	38.000	18	24Alp PsA	1.1660	9700.0	76	37823	No
87	GOM_NL__2PRFIN20090525_111726_000000422079_00195_37824_7725.N1	25-MAY-2009 11:17:26	Dark	41.500	172	Gam Gru	3.0030	13100.	83	37824	No
88	GOM_NL__2PRFIN20090525_113239_000000352079_00195_37824_7726.N1	25-MAY-2009 11:32:39	Straylight	35.000	178	lot1Sco	3.0220	6550.0	70	37824	No
89	GOM_NL__2PRFIN20090525_113400_000000352079_00195_37824_7727.N1	25-MAY-2009 11:34:00	Straylight	35.000	25	35Lam Sco	1.6200	28000.	70	37824	No
90	GOM_NL__2PRFIN20090525_114201_000000392079_00195_37824_7728.N1	25-MAY-2009 11:42:01	Bright	39.000	86	35Eta Oph	2.4300	10200.	78	37824	No
91	GOM_NL__2PRFIN20090525_114400_000000352079_00195_37824_7729.N1	25-MAY-2009 11:44:00	Bright	35.000	98	13Zet Oph	2.5710	30000.	70	37824	No
92	GOM_NL__2PRFIN20090525_114617_000000342079_00195_37824_7730.N1	25-MAY-2009 11:46:17	Bright	33.500	120	1Del Oph	2.7340	3200.0	67	37824	No
93	GOM_NL__2PRFIN20090525_115504_000000382079_00195_37824_7731.N1	25-MAY-2009 11:55:04	Bright	38.000	127	27Bet Her	2.7810	4700.0	76	37824	No
94	GOM_NL__2PRFIN20090525_115842_000000402079_00195_37824_7732.N1	25-MAY-2009 11:58:42	Bright	39.500	133	40Zet Her	2.8070	6000.0	79	37824	No
95	GOM_NL__2PRFIN20090525_120621_000000382079_00195_37824_7733.N1	25-MAY-2009 12:06:21	Bright	38.000	130	23Bet Dra	2.7990	5800.0	76	37824	No
96	GOM_NL__2PRFIN20090525_121700_000000332079_00195_37824_7734.N1	25-MAY-2009 12:17:00	Bright	33.000	89	5Alp Cep	2.4510	8000.0	66	37824	No
97	GOM_NL__2PRFIN20090525_123117_000000282079_00195_37824_7735.N1	25-MAY-2009 12:31:17	Tw_i_and_stray	28.000	58	21Alp And	2.0730	11000.	56	37824	No
98	GOM_NL__2PRFIN20090525_123550_000000292079_00195_37824_7736.N1	25-MAY-2009 12:35:50	Dark	29.000	140	88Gam Peg	2.8340	26000.	58	37824	No
99	GOM_NL__2PRFIN20090525_125226_000000392079_00195_37824_7737.N1	25-MAY-2009 12:52:26	Dark	38.500	18	24Alp PsA	1.1660	9700.0	77	37824	No
100	GOM_NL__2PRFIN20090525_125802_000000422079_00196_37825_7739.N1	25-MAY-2009 12:58:02	Dark	42.000	172	Gam Gru	3.0030	13100.	84	37825	No
101	GOM_NL__2PRFIN20090525_131316_000000352079_00196_37825_7740.N1	25-MAY-2009 13:13:16	Straylight	35.000	178	lot1Sco	3.0220	6550.0	70	37825	No

102	GOM_NL__2PRFIN20090525_131437_000000342079_00196_37825_7741.N1	25-MAY-2009 13:14:37	Straylight	34.000	25	35Lam Sco	1.6200	28000.	68	37825	No
103	GOM_NL__2PRFIN20090525_132237_000000392079_00196_37825_7742.N1	25-MAY-2009 13:22:37	Bright	38.500	86	35Eta Oph	2.4300	10200.	77	37825	No
104	GOM_NL__2PRFIN20090525_132436_000000352079_00196_37825_7743.N1	25-MAY-2009 13:24:36	Bright	34.500	98	13Zet Oph	2.5710	30000.	69	37825	No
105	GOM_NL__2PRFIN20090525_132652_000000342079_00196_37825_7744.N1	25-MAY-2009 13:26:52	Bright	34.000	120	1Del Oph	2.7340	3200.0	68	37825	No
106	GOM_NL__2PRFIN20090525_133539_000000382079_00196_37825_7745.N1	25-MAY-2009 13:35:39	Bright	37.500	127	27Bet Her	2.7810	4700.0	75	37825	No
107	GOM_NL__2PRFIN20090525_133917_000000402079_00196_37825_7746.N1	25-MAY-2009 13:39:17	Bright	39.500	133	40Zet Her	2.8070	6000.0	79	37825	No
108	GOM_NL__2PRFIN20090525_134656_000000392079_00196_37825_7747.N1	25-MAY-2009 13:46:56	Bright	38.500	130	23Bet Dra	2.7990	5800.0	77	37825	No
109	GOM_NL__2PRFIN20090525_135736_000000342079_00196_37825_7748.N1	25-MAY-2009 13:57:36	Bright	33.500	89	5Alp Cep	2.4510	8000.0	67	37825	No
110	GOM_NL__2PRFIN20090525_141153_000000292079_00196_37825_7749.N1	25-MAY-2009 14:11:53	Tw_i_and_stray	28.500	58	21Alp And	2.0730	11000.	57	37825	No
111	GOM_NL__2PRFIN20090525_141626_000000292079_00196_37825_7750.N1	25-MAY-2009 14:16:26	Dark	29.000	140	88Gam Peg	2.8340	26000.	58	37825	No
112	GOM_NL__2PRFIN20090525_143303_000000392079_00196_37825_7751.N1	25-MAY-2009 14:33:03	Dark	38.500	18	24Alp PsA	1.1660	9700.0	77	37825	No
113	GOM_NL__2PRFIN20090525_143840_000000422079_00197_37826_7753.N1	25-MAY-2009 14:38:40	Dark	42.000	172	Gam Gru	3.0030	13100.	84	37826	No
114	GOM_NL__2PRFIN20090525_145352_000000352079_00197_37826_7754.N1	25-MAY-2009 14:53:52	Straylight	35.000	178	lot1Sco	3.0220	6550.0	70	37826	No
115	GOM_NL__2PRFIN20090525_145513_000000342079_00197_37826_7755.N1	25-MAY-2009 14:55:13	Straylight	34.000	25	35Lam Sco	1.6200	28000.	68	37826	No
116	GOM_NL__2PRFIN20090525_150313_000000392079_00197_37826_7756.N1	25-MAY-2009 15:03:13	Bright	38.500	86	35Eta Oph	2.4300	10200.	77	37826	No
117	GOM_NL__2PRFIN20090525_150512_000000352079_00197_37826_7757.N1	25-MAY-2009 15:05:12	Bright	34.500	98	13Zet Oph	2.5710	30000.	69	37826	No
118	GOM_NL__2PRFIN20090525_150728_000000342079_00197_37826_7758.N1	25-MAY-2009 15:07:28	Bright	33.500	120	1Del Oph	2.7340	3200.0	67	37826	No
119	GOM_NL__2PRFIN20090525_151614_000000392079_00197_37826_7759.N1	25-MAY-2009 15:16:14	Bright	38.500	127	27Bet Her	2.7810	4700.0	77	37826	No
120	GOM_NL__2PRFIN20090525_151953_000000402079_00197_37826_7760.N1	25-MAY-2009 15:19:53	Bright	39.500	133	40Zet Her	2.8070	6000.0	79	37826	No
121	GOM_NL__2PRFIN20090525_152732_000000382079_00197_37826_7761.N1	25-MAY-2009 15:27:32	Bright	37.500	130	23Bet Dra	2.7990	5800.0	75	37826	No
122	GOM_NL__2PRFIN20090525_153811_000000332079_00197_37826_7762.N1	25-MAY-2009 15:38:11	Bright	33.000	89	5Alp Cep	2.4510	8000.0	66	37826	No
123	GOM_NL__2PRFIN20090525_155229_000000282079_00197_37826_7763.N1	25-MAY-2009 15:52:29	Tw_i_and_stray	28.000	58	21Alp And	2.0730	11000.	56	37826	No
124	GOM_NL__2PRFIN20090525_155702_000000292079_00197_37826_7764.N1	25-MAY-2009 15:57:02	Dark	29.000	140	88Gam Peg	2.8340	26000.	58	37826	No
125	GOM_NL__2PRFIN20090525_161341_000000382079_00197_37826_7765.N1	25-MAY-2009 16:13:41	Dark	37.500	18	24Alp PsA	1.1660	9700.0	75	37826	No
126	GOM_NL__2PRFIN20090525_161917_000000422079_00198_37827_7768.N1	25-MAY-2009 16:19:17	Dark	41.500	172	Gam Gru	3.0030	13100.	83	37827	No
127	GOM_NL__2PRFIN20090525_163429_000000352079_00198_37827_7769.N1	25-MAY-2009 16:34:29	Straylight	34.500	178	lot1Sco	3.0220	6550.0	69	37827	No
128	GOM_NL__2PRFIN20090525_163550_000000352079_00198_37827_7770.N1	25-MAY-2009 16:35:50	Straylight	34.500	25	35Lam Sco	1.6200	28000.	69	37827	No
129	GOM_NL__2PRFIN20090525_164349_000000392079_00198_37827_7771.N1	25-MAY-2009 16:43:49	Bright	38.500	86	35Eta Oph	2.4300	10200.	77	37827	No
130	GOM_NL__2PRFIN20090525_164548_000000352079_00198_37827_7772.N1	25-MAY-2009 16:45:48	Bright	34.500	98	13Zet Oph	2.5710	30000.	69	37827	No
131	GOM_NL__2PRFIN20090525_164804_000000342079_00198_37827_7773.N1	25-MAY-2009 16:48:04	Bright	33.500	120	1Del Oph	2.7340	3200.0	67	37827	No
132	GOM_NL__2PRFIN20090525_165650_000000382079_00198_37827_7774.N1	25-MAY-2009 16:56:50	Bright	38.000	127	27Bet Her	2.7810	4700.0	76	37827	No
133	GOM_NL__2PRFIN20090525_170028_000000392079_00198_37827_7775.N1	25-MAY-2009 17:00:28	Bright	39.000	133	40Zet Her	2.8070	6000.0	78	37827	No
134	GOM_NL__2PRFIN20090525_170807_000000382079_00198_37827_7776.N1	25-MAY-2009 17:08:07	Bright	38.000	130	23Bet Dra	2.7990	5800.0	76	37827	No
135	GOM_NL__2PRFIN20090525_171846_000000342079_00198_37827_7777.N1	25-MAY-2009 17:18:46	Bright	33.500	89	5Alp Cep	2.4510	8000.0	67	37827	No
136	GOM_NL__2PRFIN20090525_173305_000000282079_00198_37827_7778.N1	25-MAY-2009 17:33:05	Tw_i_and_stray	28.000	58	21Alp And	2.0730	11000.	56	37827	No
137	GOM_NL__2PRFIN20090525_173739_000000292079_00198_37827_7779.N1	25-MAY-2009 17:37:39	Dark	28.500	140	88Gam Peg	2.8340	26000.	57	37827	No
138	GOM_NL__2PRFIN20090525_175417_000000382079_00198_37827_7780.N1	25-MAY-2009 17:54:17	Dark	38.000	18	24Alp PsA	1.1660	9700.0	76	37827	No
139	GOM_NL__2PRFIN20090525_175954_000000422079_00199_37828_7806.N1	25-MAY-2009 17:59:54	Dark	41.500	172	Gam Gru	3.0030	13100.	83	37828	No
140	GOM_NL__2PRFIN20090525_181505_000000352079_00199_37828_7807.N1	25-MAY-2009 18:15:05	Straylight	35.000	178	lot1Sco	3.0220	6550.0	70	37828	No
141	GOM_NL__2PRFIN20090525_181626_000000352079_00199_37828_7808.N1	25-MAY-2009 18:16:26	Straylight	34.500	25	35Lam Sco	1.6200	28000.	69	37828	No
142	GOM_NL__2PRFIN20090525_182425_000000392079_00199_37828_7809.N1	25-MAY-2009 18:24:25	Bright	38.500	86	35Eta Oph	2.4300	10200.	77	37828	No
143	GOM_NL__2PRFIN20090525_182623_000000352079_00199_37828_7810.N1	25-MAY-2009 18:26:23	Bright	34.500	98	13Zet Oph	2.5710	30000.	69	37828	No
144	GOM_NL__2PRFIN20090525_182840_000000332079_00199_37828_7811.N1	25-MAY-2009 18:28:40	Bright	33.000	120	1Del Oph	2.7340	3200.0	66	37828	No
145	GOM_NL__2PRFIN20090525_183725_000000382079_00199_37828_7812.N1	25-MAY-2009 18:37:25	Bright	38.000	127	27Bet Her	2.7810	4700.0	76	37828	No
146	GOM_NL__2PRFIN20090525_184103_000000392079_00199_37828_7813.N1	25-MAY-2009 18:41:03	Bright	39.000	133	40Zet Her	2.8070	6000.0	78	37828	No
147	GOM_NL__2PRFIN20090525_184842_000000382079_00199_37828_7814.N1	25-MAY-2009 18:48:42	Bright	37.500	130	23Bet Dra	2.7990	5800.0	75	37828	No
148	GOM_NL__2PRFIN20090525_185922_000000332079_00199_37828_7815.N1	25-MAY-2009 18:59:22	Bright	33.000	89	5Alp Cep	2.4510	8000.0	66	37828	No
149	GOM_NL__2PRFIN20090525_191341_000000282079_00199_37828_7816.N1	25-MAY-2009 19:13:41	Tw_i_and_stray	28.000	58	21Alp And	2.0730	11000.	56	37828	No
150	GOM_NL__2PRFIN20090525_191815_000000292079_00199_37828_7817.N1	25-MAY-2009 19:18:15	Dark	28.500	140	88Gam Peg	2.8340	26000.	57	37828	No
151	GOM_NL__2PRFIN20090525_193454_000000382079_00199_37828_7818.N1	25-MAY-2009 19:34:54	Dark	38.000	18	24Alp PsA	1.1660	9700.0	76	37828	No
152	GOM_NL__2PRFIN20090525_194031_000000412079_00200_37829_7821.N1	25-MAY-2009 19:40:31	Dark	41.000	172	Gam Gru	3.0030	13100.	82	37829	No
153	GOM_NL__2PRFIN20090525_195542_000000352079_00200_37829_7822.N1	25-MAY-2009 19:55:42	Straylight	34.500	178	lot1Sco	3.0220	6550.0	69	37829	No
154	GOM_NL__2PRFIN20090525_195703_000000342079_00200_37829_7823.N1	25-MAY-2009 19:57:03	Straylight	34.000	25	35Lam Sco	1.6200	28000.	68	37829	No
155	GOM_NL__2PRFIN20090525_200501_000000382079_00200_37829_7824.N1	25-MAY-2009 20:05:01	Bright	38.000	86	35Eta Oph	2.4300	10200.	76	37829	No
156	GOM_NL__2PRFIN20090525_200659_000000352079_00200_37829_7825.N1	25-MAY-2009 20:06:59	Bright	34.500	98	13Zet Oph	2.5710	30000.	69	37829	No
157	GOM_NL__2PRFIN20090525_200916_000000342079_00200_37829_7826.N1	25-MAY-2009 20:09:16	Bright	33.500	120	1Del Oph	2.7340	3200.0	67	37829	No
158	GOM_NL__2PRFIN20090525_201800_000000382079_00200_37829_7827.N1	25-MAY-2009 20:18:00	Bright	38.000	127	27Bet Her	2.7810	4700.0	76	37829	No
159	GOM_NL__2PRFIN20090525_202139_000000382079_00200_37829_7828.N1	25-MAY-2009 20:21:39	Bright	38.000	133	40Zet Her	2.8070	6000.0	76	37829	No
160	GOM_NL__2PRFIN20090525_202917_000000382079_00200_37829_7829.N1	25-MAY-2009 20:29:17	Bright	37.500	130	23Bet Dra	2.7990	5800.0	75	37829	No

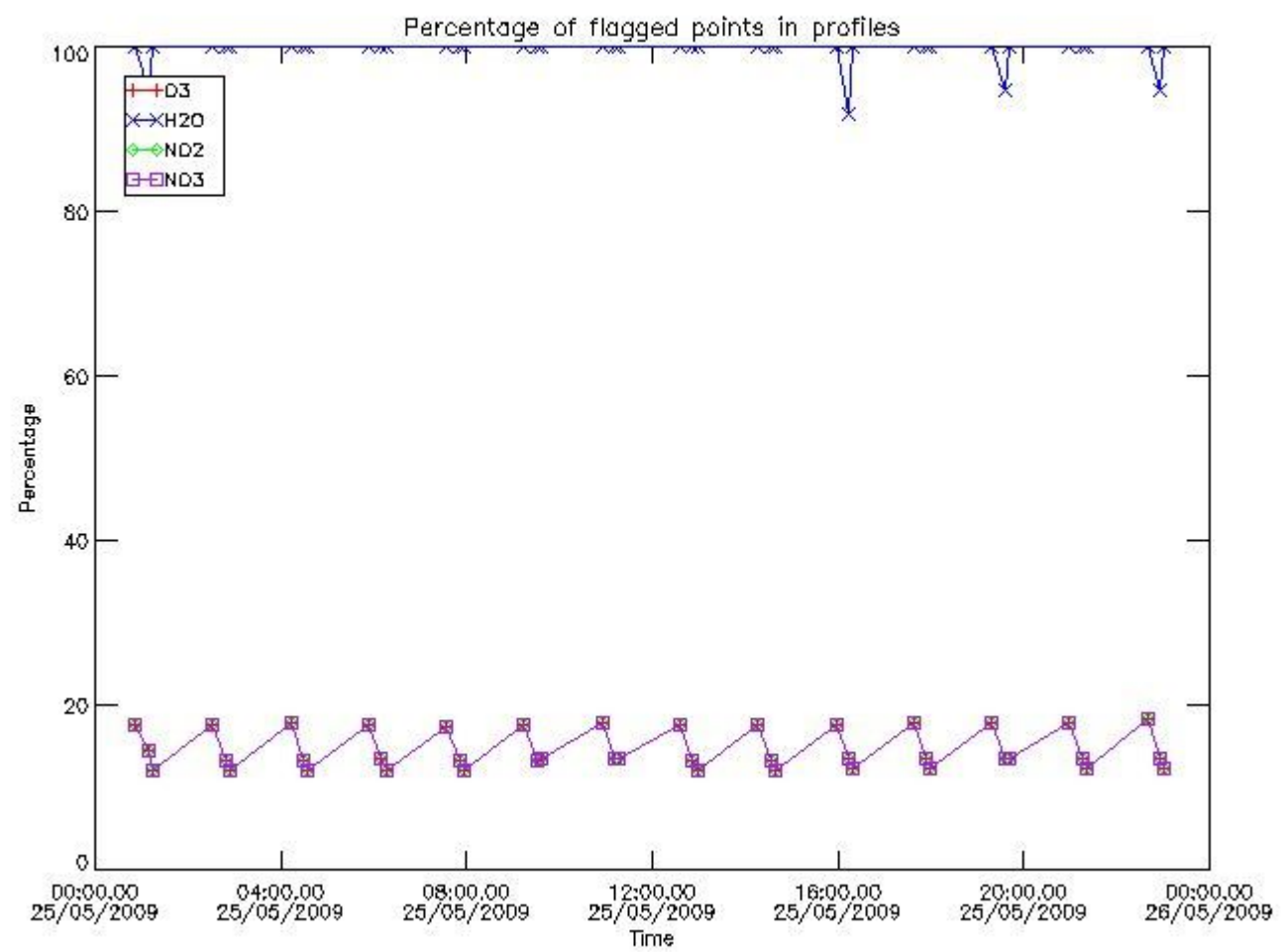


161	GOM_NL__2PRFIN20090525_203957_000000332079_00200_37829_7830.N1	25-MAY-2009 20:39:57	Bright	33.000	89	5Alp Cep	2.4510	8000.0	66	37829	No
162	GOM_NL__2PRFIN20090525_205417_000000282079_00200_37829_7831.N1	25-MAY-2009 20:54:17	Twilight	28.000	58	21Alp And	2.0730	11000.	56	37829	No
163	GOM_NL__2PRFIN20090525_205851_000000282079_00200_37829_7832.N1	25-MAY-2009 20:58:51	Dark	28.000	140	88Gam Peg	2.8340	26000.	56	37829	No
164	GOM_NL__2PRFIN20090525_211531_000000382079_00200_37829_7833.N1	25-MAY-2009 21:15:31	Dark	38.000	18	24Alp PsA	1.1660	9700.0	76	37829	No
165	GOM_NL__2PRFIN20090525_212108_000000422079_00201_37830_7838.N1	25-MAY-2009 21:21:08	Dark	41.500	172	Gam Gru	3.0030	13100.	83	37830	No
166	GOM_NL__2PRFIN20090525_213618_000000352079_00201_37830_7839.N1	25-MAY-2009 21:36:18	Straylight	34.500	178	lot1Sco	3.0220	6550.0	69	37830	No
167	GOM_NL__2PRFIN20090525_213739_000000342079_00201_37830_7840.N1	25-MAY-2009 21:37:39	Straylight	34.000	25	35Lam Sco	1.6200	28000.	68	37830	No
168	GOM_NL__2PRFIN20090525_214537_000000382079_00201_37830_7841.N1	25-MAY-2009 21:45:37	Bright	38.000	86	35Eta Oph	2.4300	10200.	76	37830	No
169	GOM_NL__2PRFIN20090525_214735_000000352079_00201_37830_7842.N1	25-MAY-2009 21:47:35	Bright	34.500	98	13Zet Oph	2.5710	30000.	69	37830	No
170	GOM_NL__2PRFIN20090525_214952_000000332079_00201_37830_7843.N1	25-MAY-2009 21:49:52	Bright	33.000	120	1Del Oph	2.7340	3200.0	66	37830	No
171	GOM_NL__2PRFIN20090525_215836_000000382079_00201_37830_7844.N1	25-MAY-2009 21:58:36	Bright	38.000	127	27Bet Her	2.7810	4700.0	76	37830	No
172	GOM_NL__2PRFIN20090525_220214_000000392079_00201_37830_7845.N1	25-MAY-2009 22:02:14	Bright	38.500	133	40Zet Her	2.8070	6000.0	77	37830	No
173	GOM_NL__2PRFIN20090525_220952_000000382079_00201_37830_7846.N1	25-MAY-2009 22:09:52	Bright	38.000	130	23Bet Dra	2.7990	5800.0	76	37830	No
174	GOM_NL__2PRFIN20090525_222033_000000332079_00201_37830_7847.N1	25-MAY-2009 22:20:33	Twilight	32.500	89	5Alp Cep	2.4510	8000.0	65	37830	No
175	GOM_NL__2PRFIN20090525_223453_000000282079_00201_37830_7848.N1	25-MAY-2009 22:34:53	Twilight	27.500	58	21Alp And	2.0730	11000.	55	37830	No
176	GOM_NL__2PRFIN20090525_223928_000000282079_00201_37830_7849.N1	25-MAY-2009 22:39:28	Dark	28.000	140	88Gam Peg	2.8340	26000.	56	37830	No
177	GOM_NL__2PRFIN20090525_225608_000000382079_00201_37830_7850.N1	25-MAY-2009 22:56:08	Dark	38.000	18	24Alp PsA	1.1660	9700.0	76	37830	No
178	GOM_NL__2PRFIN20090525_230145_000000422079_00202_37831_7854.N1	25-MAY-2009 23:01:45	Dark	41.500	172	Gam Gru	3.0030	13100.	83	37831	No
179	GOM_NL__2PRFIN20090525_231655_000000342079_00202_37831_7855.N1	25-MAY-2009 23:16:55	Straylight	34.000	178	lot1Sco	3.0220	6550.0	68	37831	No
180	GOM_NL__2PRFIN20090525_231816_000000342079_00202_37831_7856.N1	25-MAY-2009 23:18:16	Straylight	33.500	25	35Lam Sco	1.6200	28000.	67	37831	No
181	GOM_NL__2PRFIN20090525_232613_000000382079_00202_37831_7857.N1	25-MAY-2009 23:26:13	Bright	37.500	86	35Eta Oph	2.4300	10200.	75	37831	No
182	GOM_NL__2PRFIN20090525_232811_000000342079_00202_37831_7858.N1	25-MAY-2009 23:28:11	Bright	34.000	98	13Zet Oph	2.5710	30000.	68	37831	No
183	GOM_NL__2PRFIN20090525_233028_000000332079_00202_37831_7859.N1	25-MAY-2009 23:30:28	Bright	32.500	120	1Del Oph	2.7340	3200.0	65	37831	No
184	GOM_NL__2PRFIN20090525_233911_000000382079_00202_37831_7860.N1	25-MAY-2009 23:39:11	Bright	37.500	127	27Bet Her	2.7810	4700.0	75	37831	No
185	GOM_NL__2PRFIN20090525_234249_000000382079_00202_37831_7861.N1	25-MAY-2009 23:42:49	Bright	38.000	133	40Zet Her	2.8070	6000.0	76	37831	No
186	GOM_NL__2PRFIN20090525_235027_000000372079_00202_37831_7862.N1	25-MAY-2009 23:50:27	Bright	37.000	130	23Bet Dra	2.7990	5800.0	74	37831	No

### 3. Quality information per product

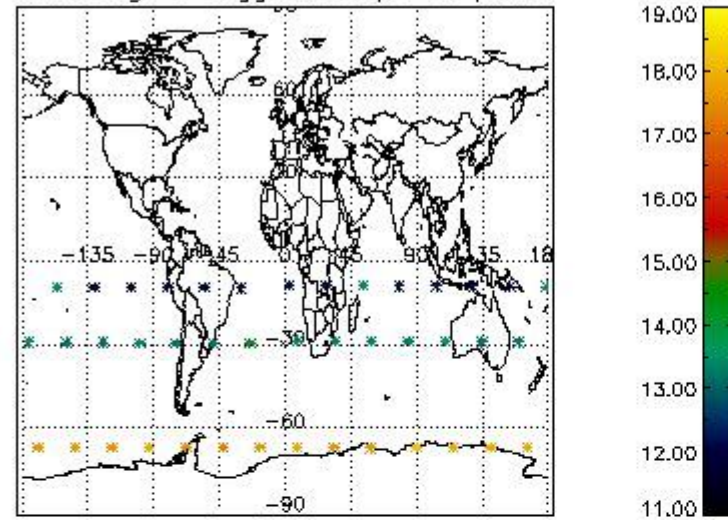
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

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

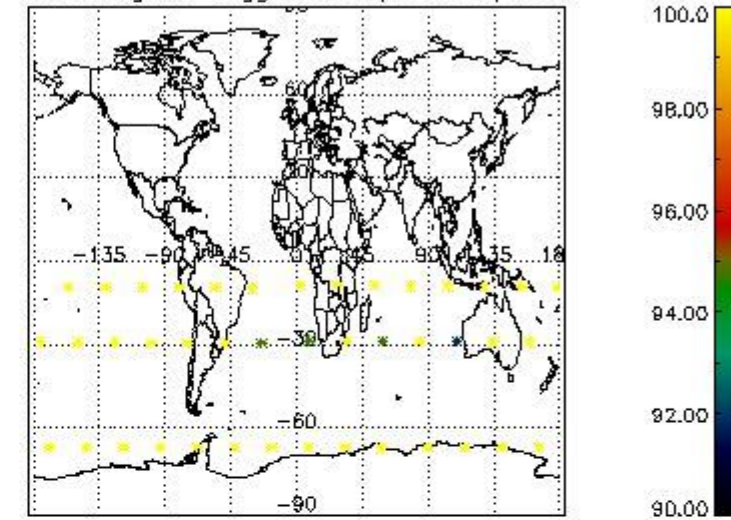


3.2 Plot quality information per product (world map)

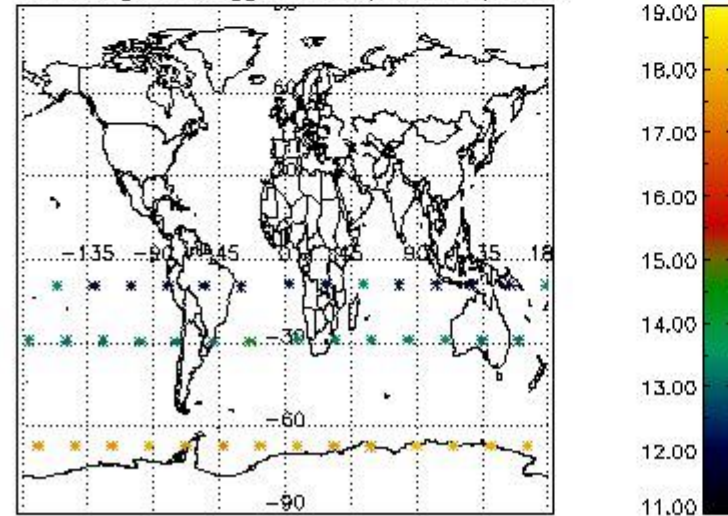
Percentage of flagged data per O3 profile



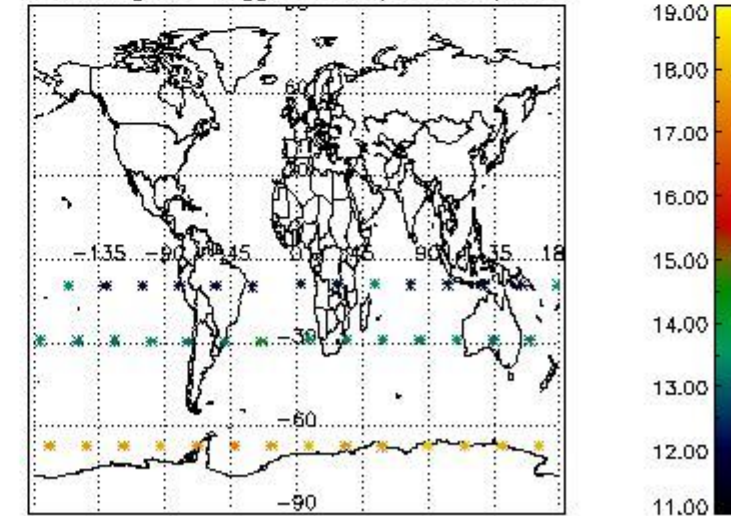
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

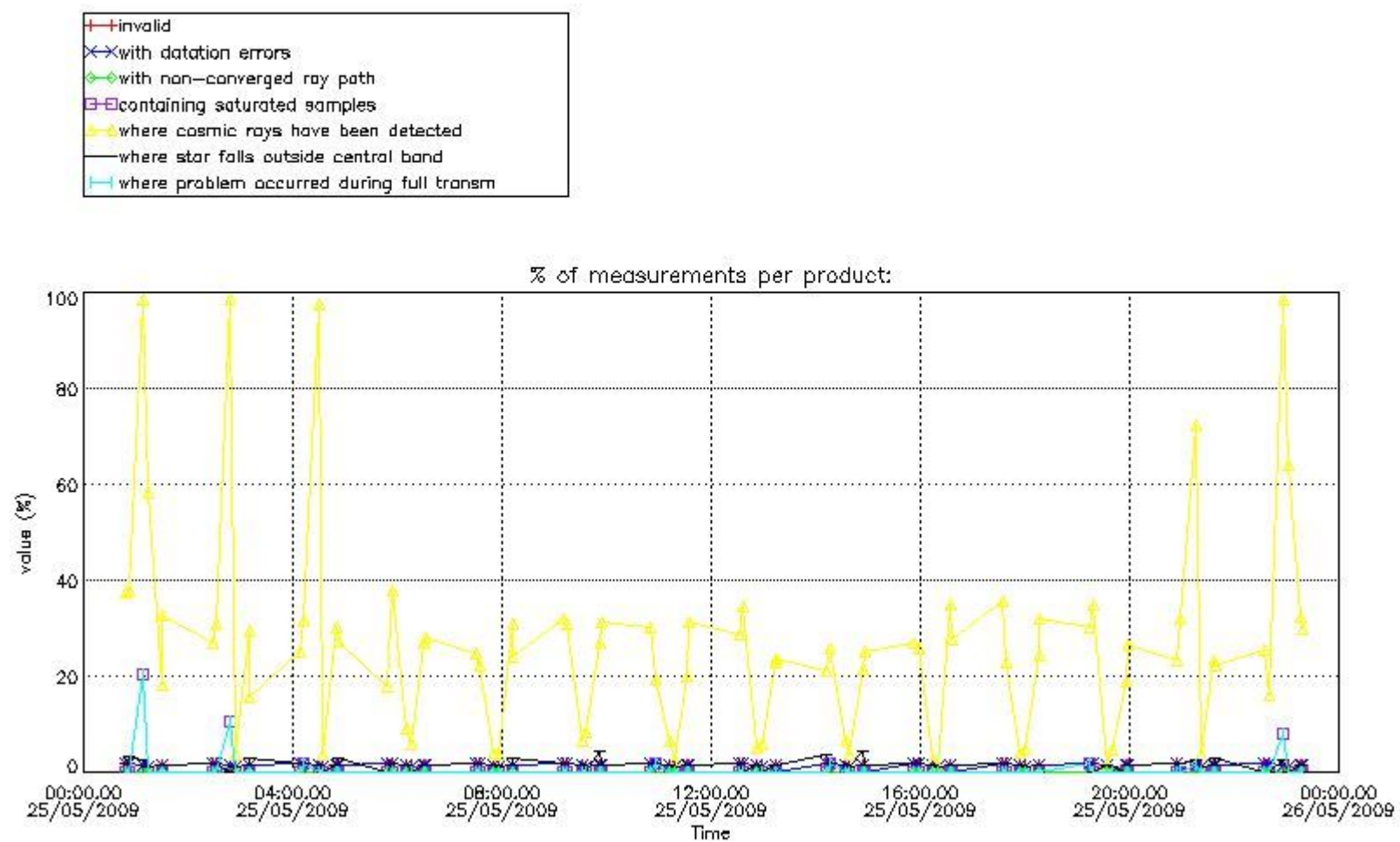


#### 4. Level 1 quality information per product

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.

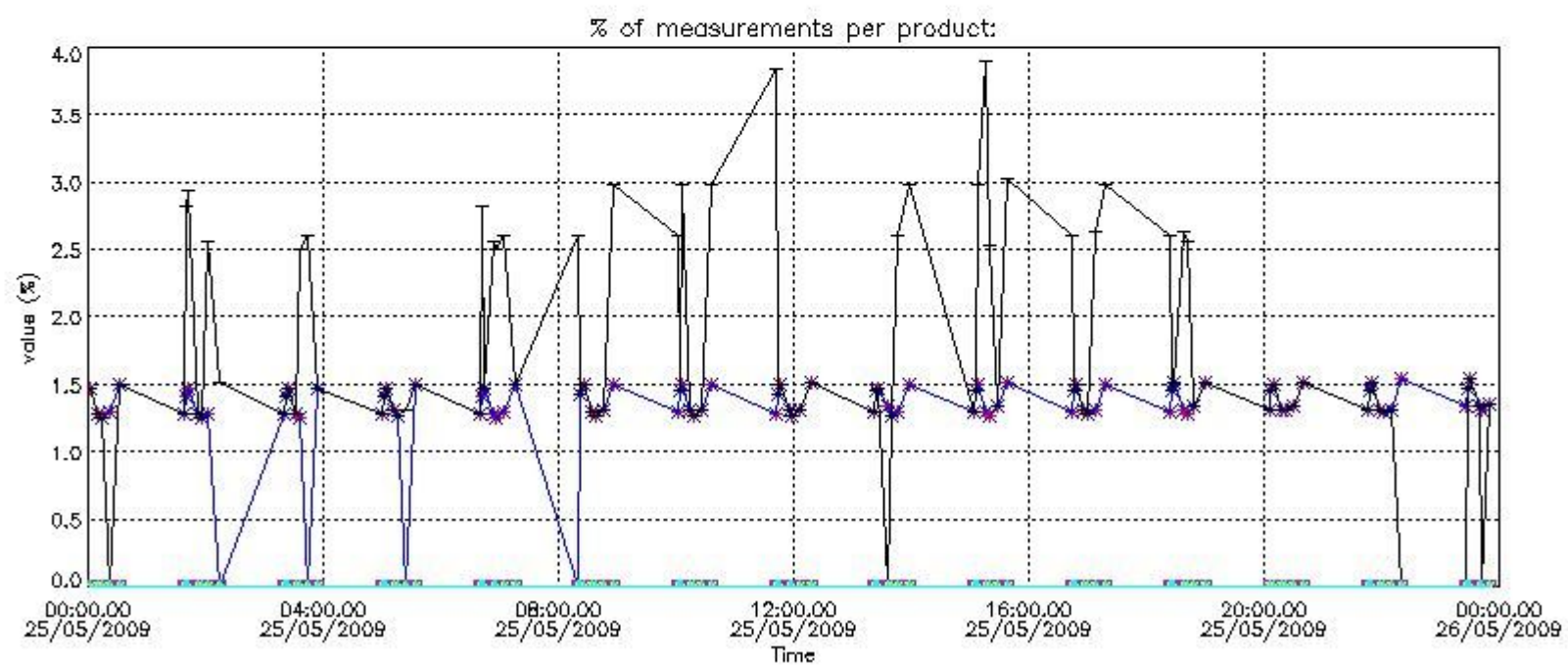
##### 4.1 Plot quality information per product (time dependant) coming from level 1b processing

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



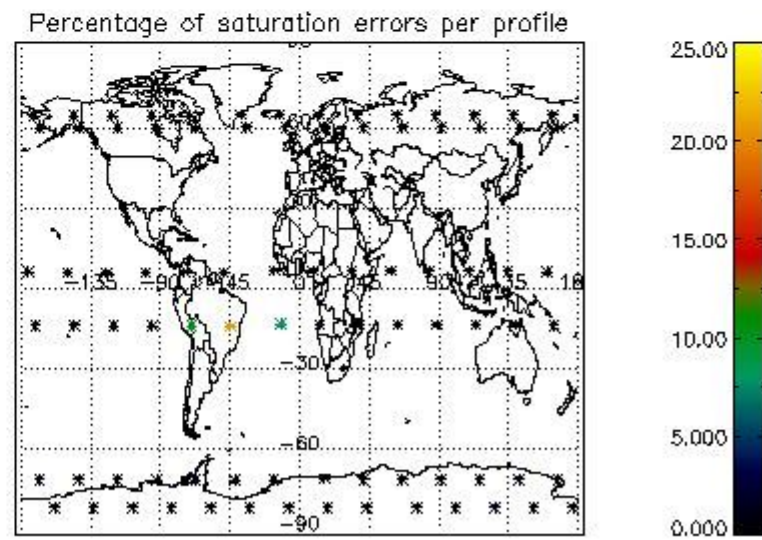
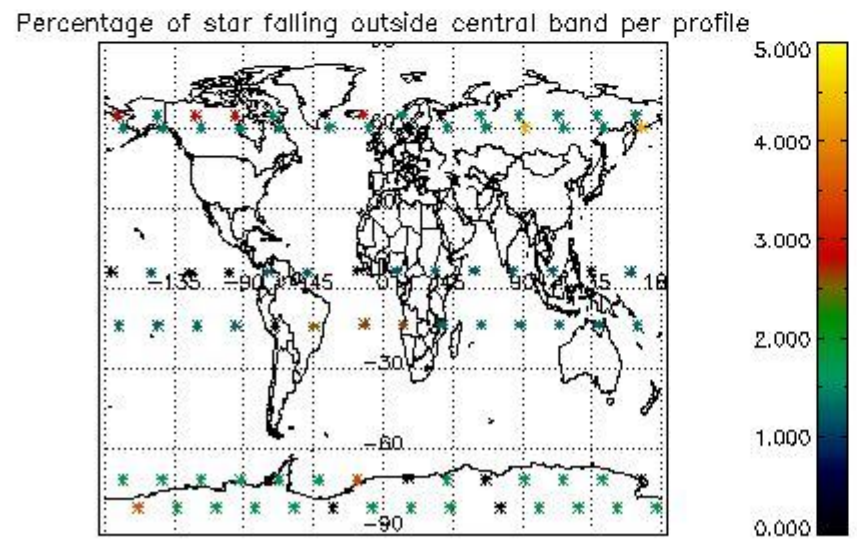
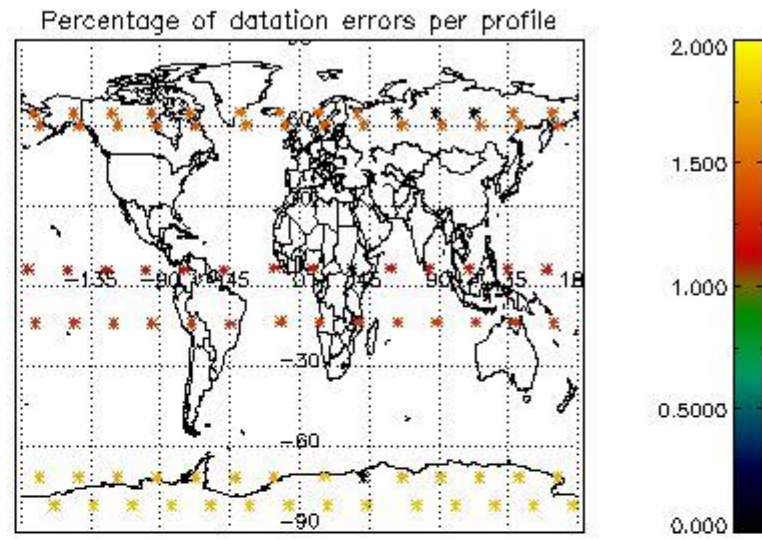
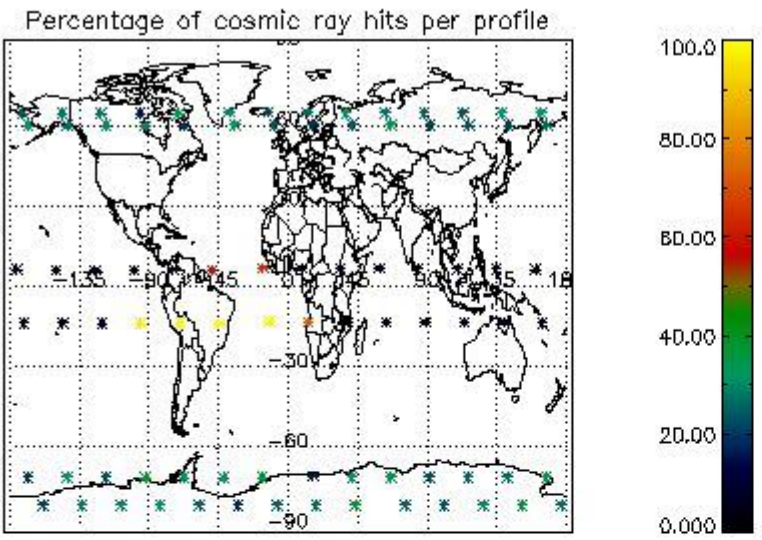
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes





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

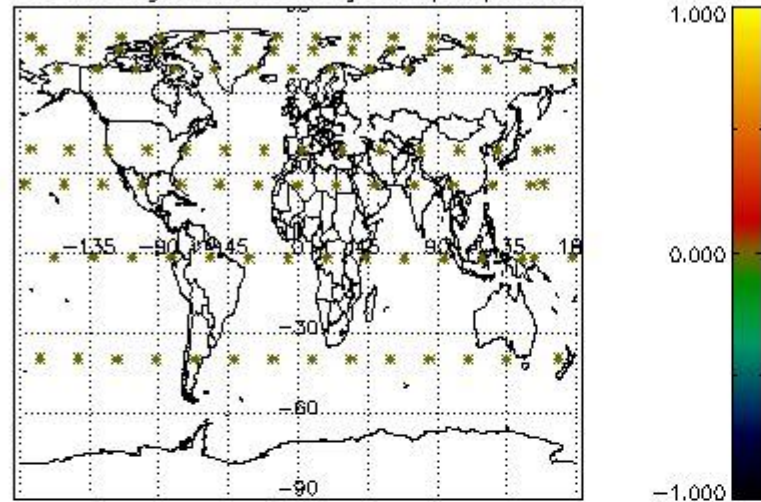
4.2.1 Plot level 1 quality information per product (world map): ENVISAT ASCENDING passes



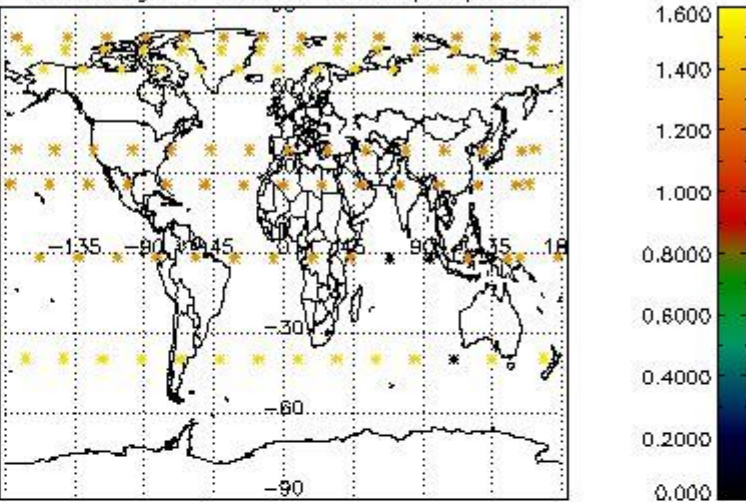
4.2.2 Plot level 1 quality information per product (world map): ENVISAT DESCENDING passes



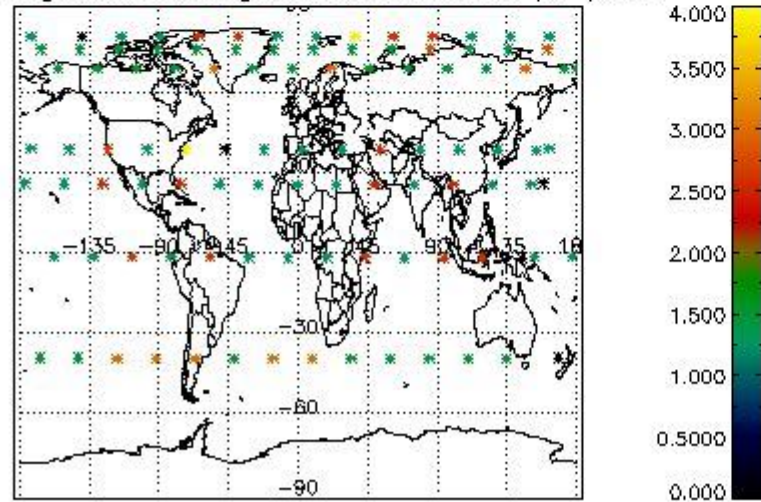
Percentage of cosmic ray hits per profile



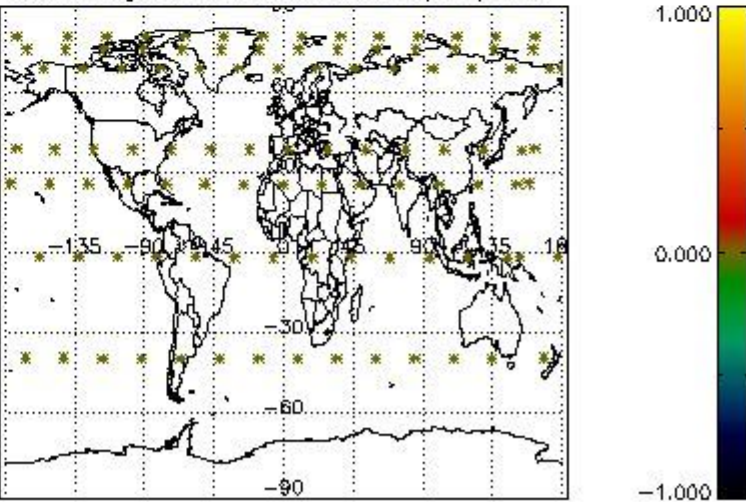
Percentage of datation errors per profile



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

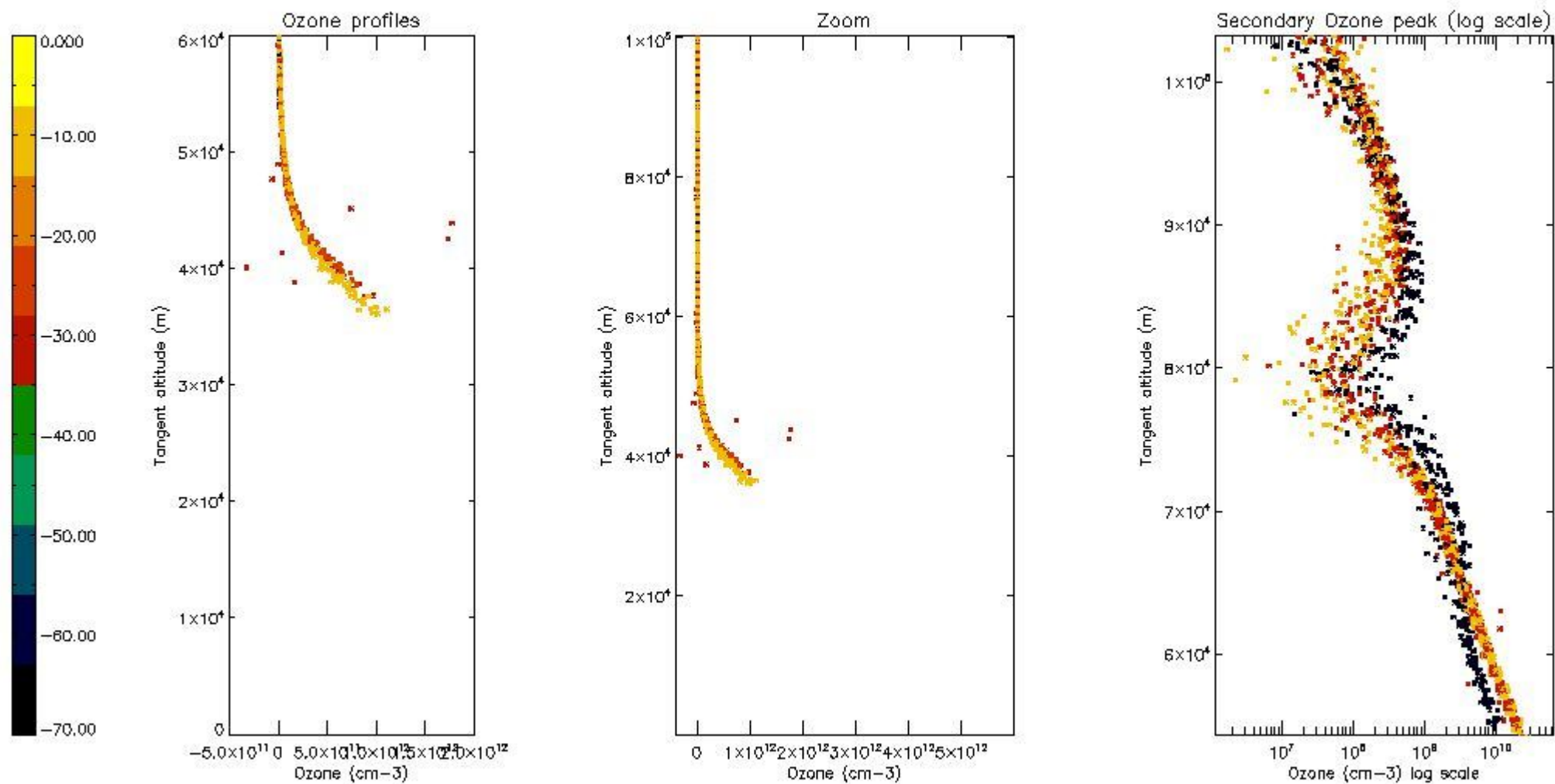
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

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

STD < 10	9
STD < 5	6

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

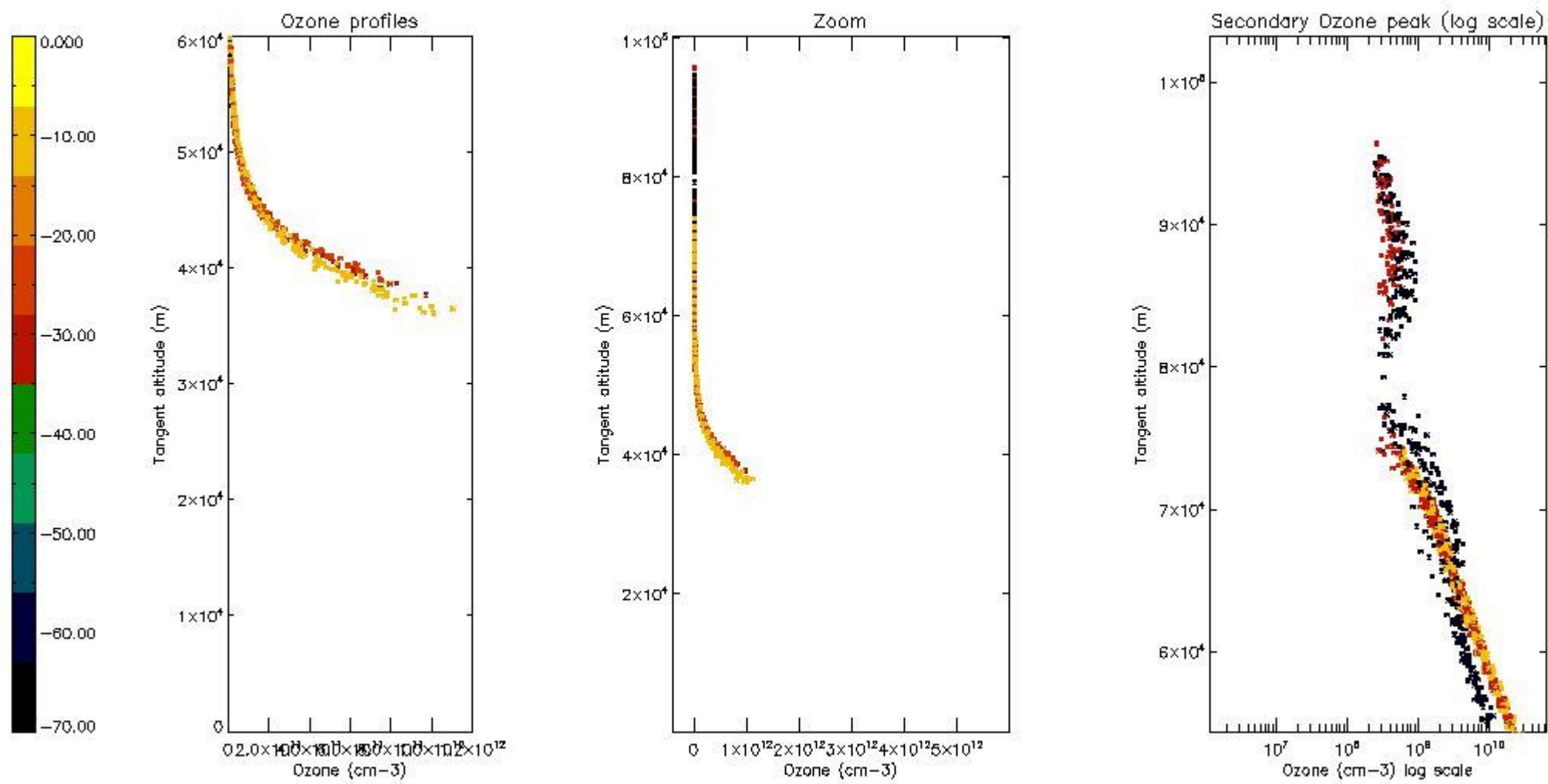
The colorbar represents the latitude.



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

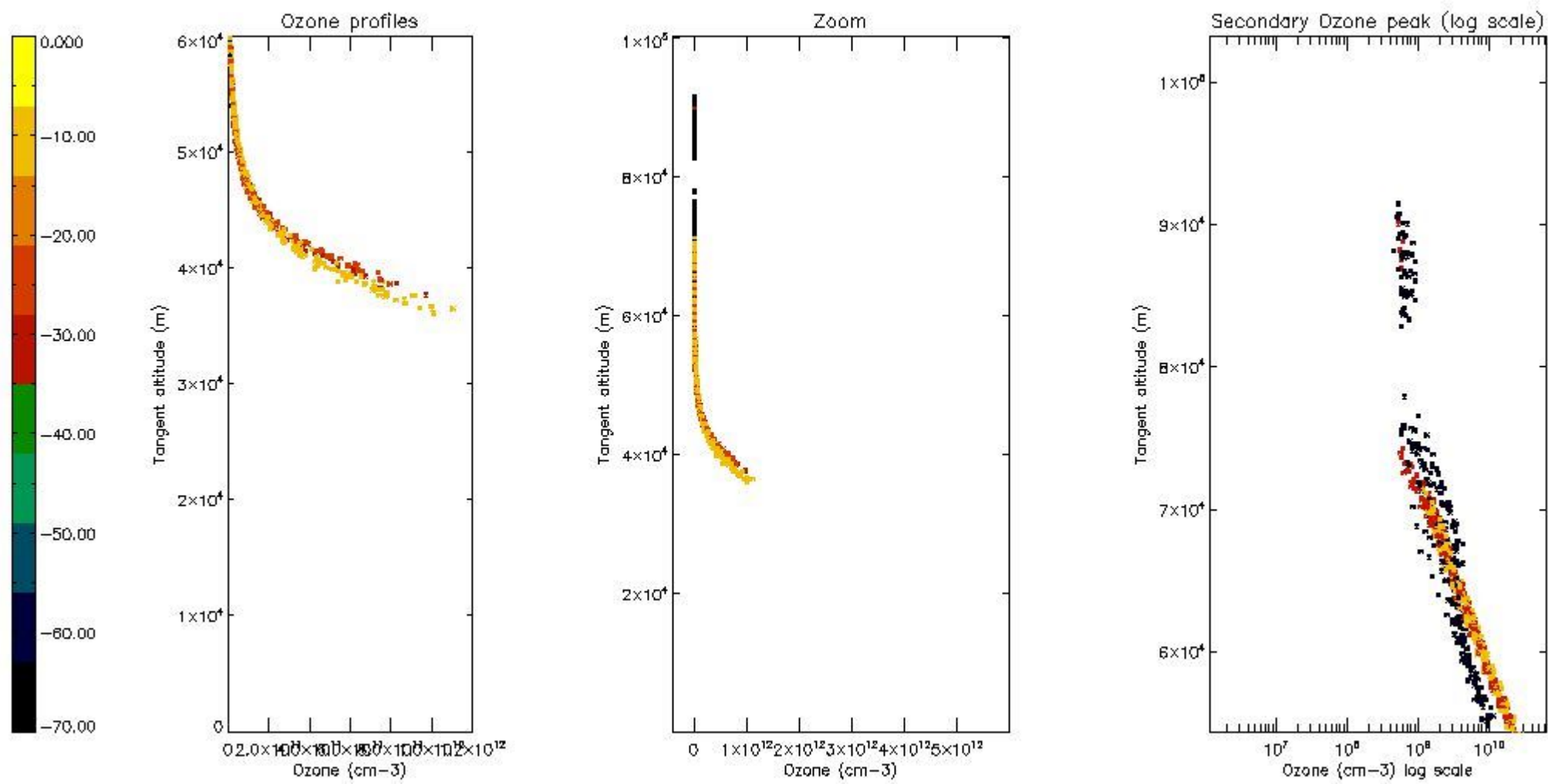
The colorbar represents the latitude.





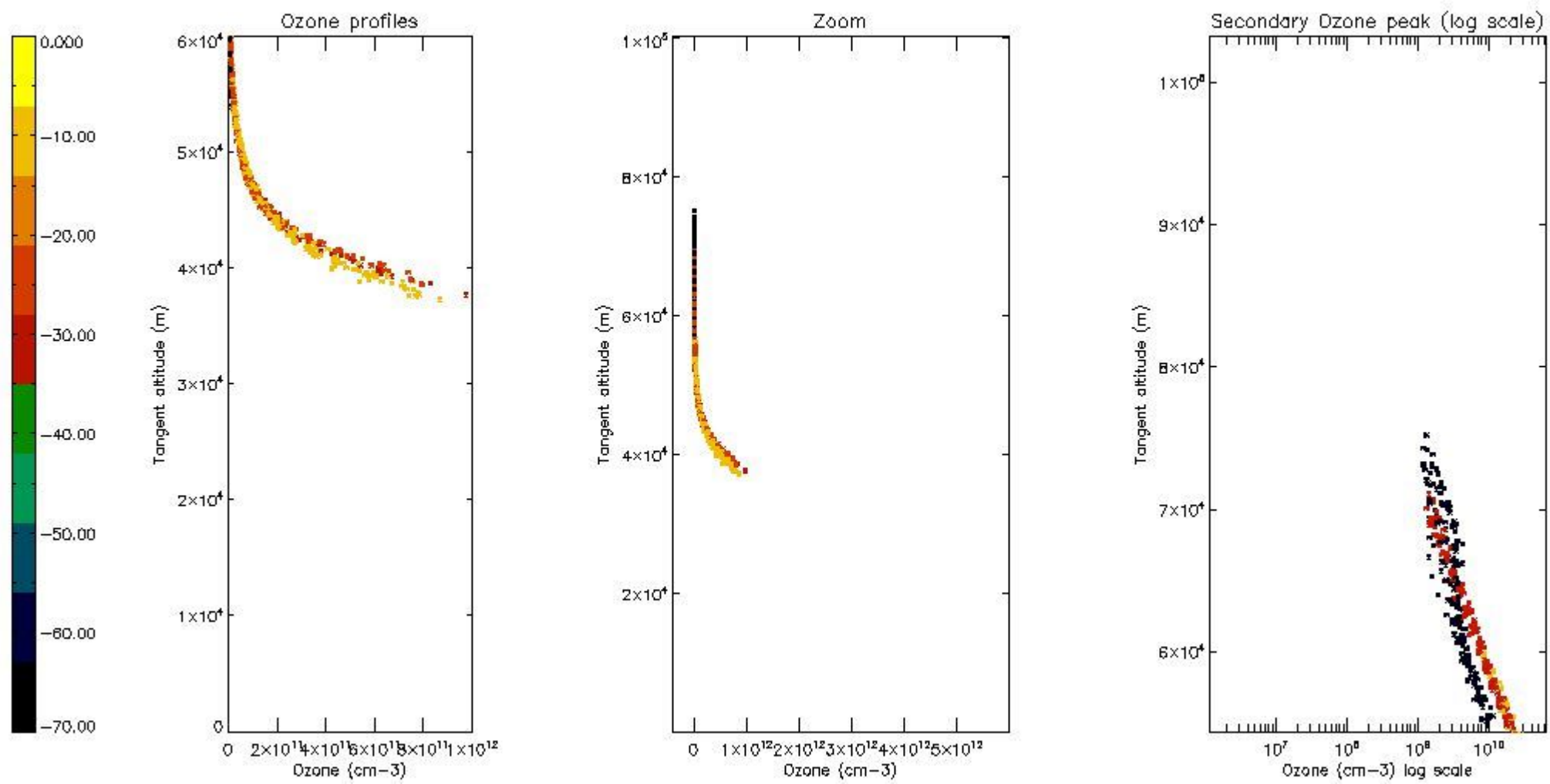
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



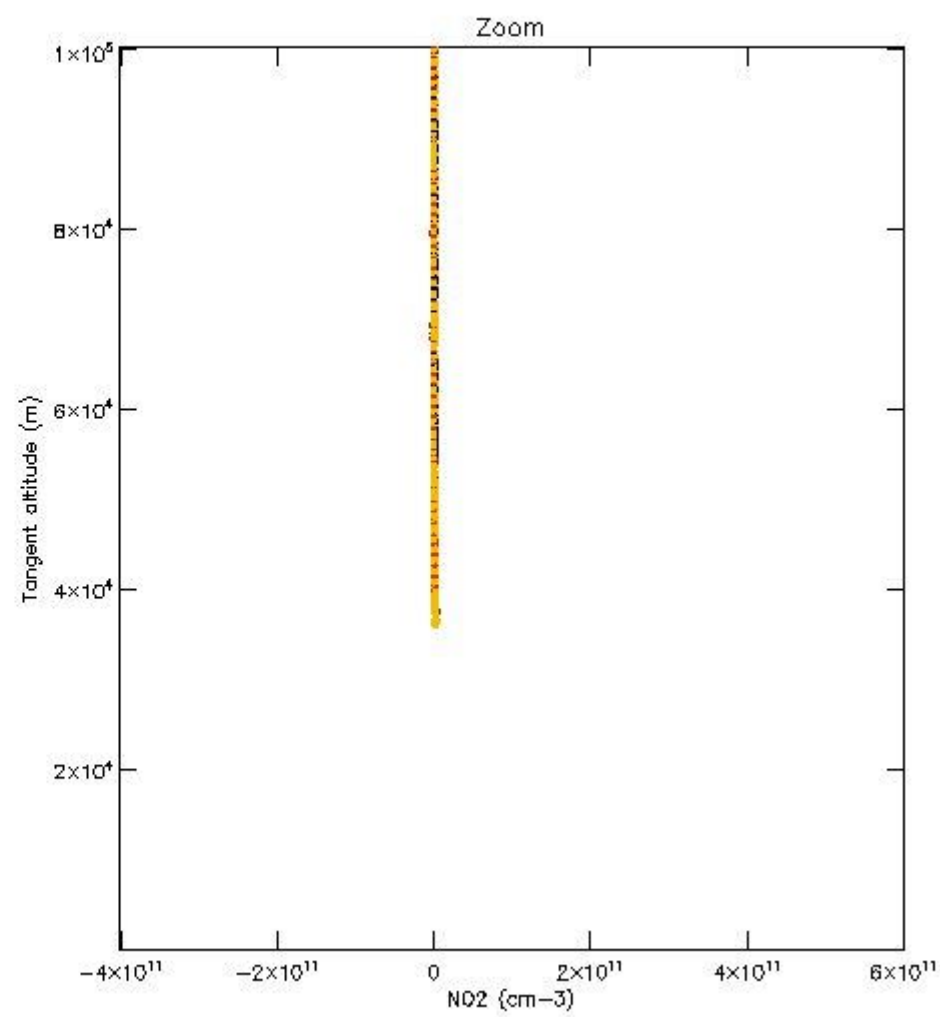
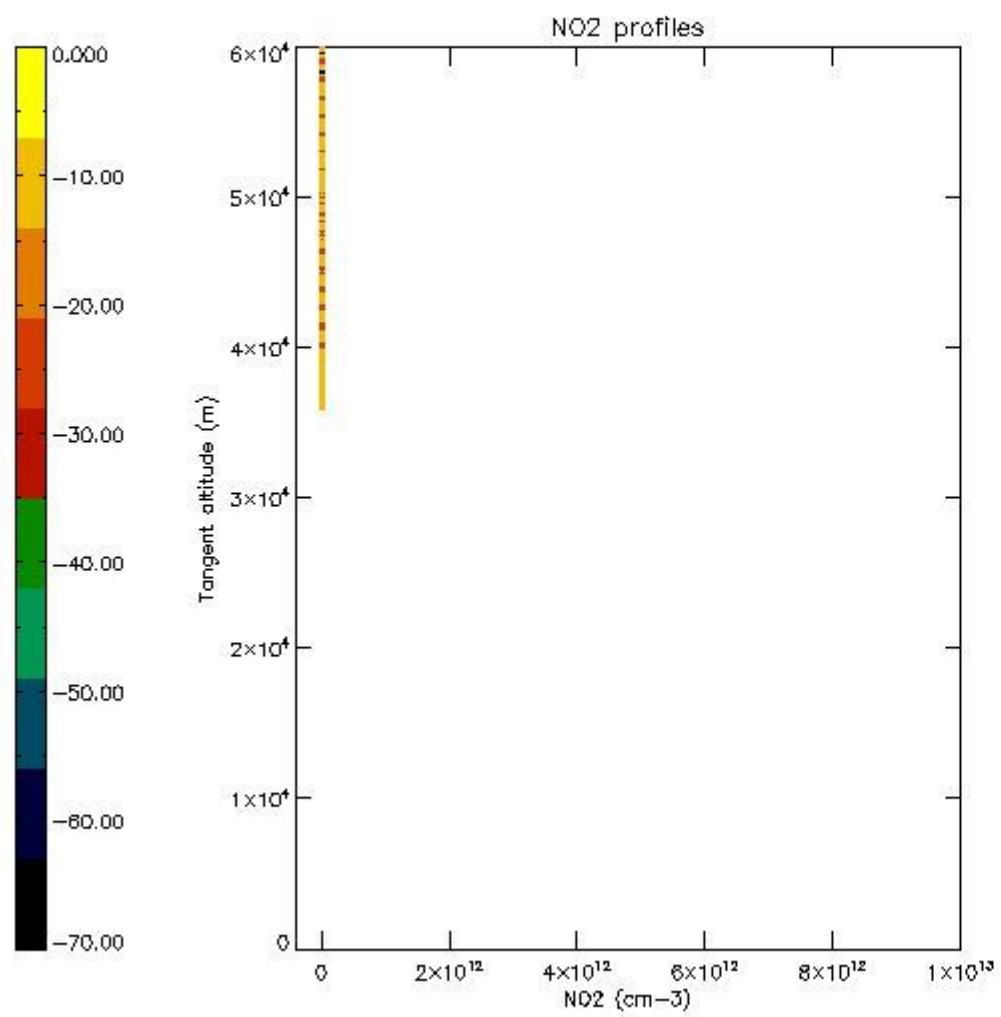
*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

The colorbar represents the latitude.



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

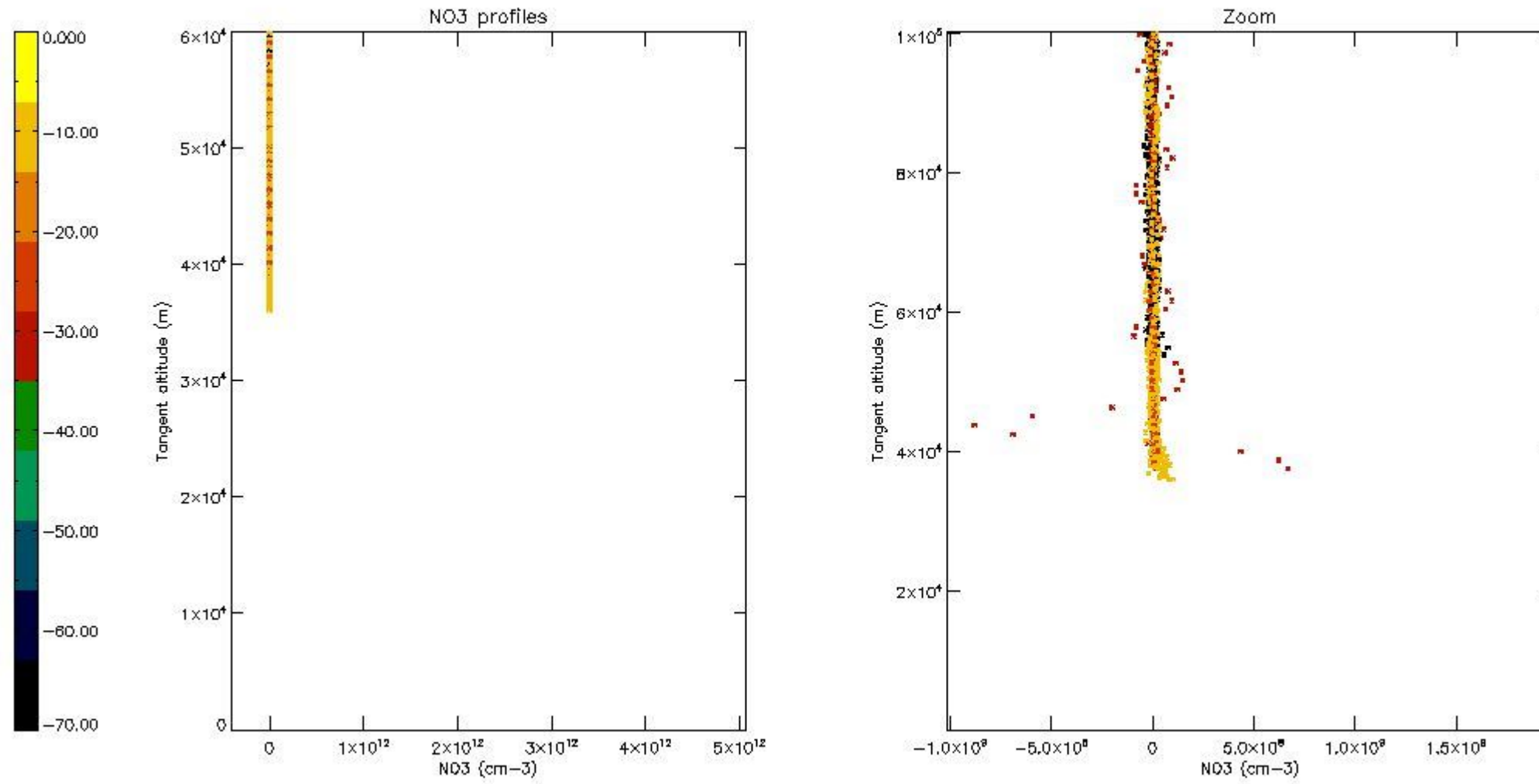
The colorbar represents the latitude.



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

The colorbar represents the latitude.





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

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

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	25-MAY-2009 00:02:06
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	25-MAY-2009 00:02:06
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	25-MAY-2009 00:02:06

# GOMOS Level 2 Daily Report

## SUMMARY

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

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

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

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

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#### [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 09:45:11
Data source version	GOMOS/6.01
Start time of products	25-05-2009 (25MAY2009 00:00:00)
Stop time of products	26-05-2009 (26MAY2009 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	186
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__2PRFIN20090525_000206_000000342079_00188_37817_7606.N1	25-MAY-2009 00:02:06	Bright	34.000	120	1Del Oph	2.7340	3200.0	68	37817	No
2	GOM_NL__2PRFIN20090525_001056_000000392079_00188_37817_7607.N1	25-MAY-2009 00:10:56	Bright	39.000	127	27Bet Her	2.7810	4700.0	78	37817	No
3	GOM_NL__2PRFIN20090525_001436_000000402079_00188_37817_7608.N1	25-MAY-2009 00:14:36	Bright	40.000	133	40Zet Her	2.8070	6000.0	80	37817	No
4	GOM_NL__2PRFIN20090525_002215_000000392079_00188_37817_7609.N1	25-MAY-2009 00:22:15	Bright	38.500	130	23Bet Dra	2.7990	5800.0	77	37817	No
5	GOM_NL__2PRFIN20090525_003252_000000342079_00188_37817_7610.N1	25-MAY-2009 00:32:52	Bright	33.500	89	5Alp Cep	2.4510	8000.0	67	37817	No
6	GOM_NL__2PRFIN20090525_004704_000000282079_00188_37817_7611.N1	25-MAY-2009 00:47:04	Twilight	28.000	58	21Alp And	2.0730	11000.	56	37817	No
7	GOM_NL__2PRFIN20090525_005135_000000292079_00188_37817_7612.N1	25-MAY-2009 00:51:35	Dark	29.000	140	88Gam Peg	2.8340	26000.	58	37817	No
8	GOM_NL__2PRFIN20090525_010807_000000392079_00188_37817_7613.N1	25-MAY-2009 01:08:07	Dark	39.000	18	24Alp PsA	1.1660	9700.0	78	37817	No
9	GOM_NL__2PRFIN20090525_011342_000000422079_00189_37818_7638.N1	25-MAY-2009 01:13:42	Dark	42.000	172	Gam Gru	3.0030	13100.	84	37818	No
10	GOM_NL__2PRFIN20090525_012900_000000362079_00189_37818_7639.N1	25-MAY-2009 01:29:00	Straylight	35.500	178	lot1Sco	3.0220	6550.0	71	37818	No
11	GOM_NL__2PRFIN20090525_013022_000000352079_00189_37818_7640.N1	25-MAY-2009 01:30:22	Straylight	35.000	25	35Lam Sco	1.6200	28000.	70	37818	No
12	GOM_NL__2PRFIN20090525_013825_000000392079_00189_37818_7641.N1	25-MAY-2009 01:38:25	Bright	39.000	86	35Eta Oph	2.4300	10200.	78	37818	No
13	GOM_NL__2PRFIN20090525_014024_000000362079_00189_37818_7642.N1	25-MAY-2009 01:40:24	Bright	35.500	98	13Zet Oph	2.5710	30000.	71	37818	No
14	GOM_NL__2PRFIN20090525_014242_000000342079_00189_37818_7643.N1	25-MAY-2009 01:42:42	Bright	34.000	120	1Del Oph	2.7340	3200.0	68	37818	No
15	GOM_NL__2PRFIN20090525_015131_000000392079_00189_37818_7644.N1	25-MAY-2009 01:51:31	Bright	39.000	127	27Bet Her	2.7810	4700.0	78	37818	No
16	GOM_NL__2PRFIN20090525_015511_000000402079_00189_37818_7645.N1	25-MAY-2009 01:55:11	Bright	40.000	133	40Zet Her	2.8070	6000.0	80	37818	No
17	GOM_NL__2PRFIN20090525_020250_000000392079_00189_37818_7646.N1	25-MAY-2009 02:02:50	Bright	39.000	130	23Bet Dra	2.7990	5800.0	78	37818	No
18	GOM_NL__2PRFIN20090525_021328_000000332079_00189_37818_7647.N1	25-MAY-2009 02:13:28	Bright	33.000	89	5Alp Cep	2.4510	8000.0	66	37818	No
19	GOM_NL__2PRFIN20090525_022740_000000282079_00189_37818_7648.N1	25-MAY-2009 02:27:40	Twilight	28.000	58	21Alp And	2.0730	11000.	56	37818	No
20	GOM_NL__2PRFIN20090525_023212_000000292079_00189_37818_7649.N1	25-MAY-2009 02:32:12	Dark	29.000	140	88Gam Peg	2.8340	26000.	58	37818	No
21	GOM_NL__2PRFIN20090525_024844_000000392079_00189_37818_7650.N1	25-MAY-2009 02:48:44	Dark	38.500	18	24Alp PsA	1.1660	9700.0	77	37818	No
22	GOM_NL__2PRFIN20090525_025419_000000422079_00190_37819_7653.N1	25-MAY-2009 02:54:19	Dark	42.000	172	Gam Gru	3.0030	13100.	84	37819	No
23	GOM_NL__2PRFIN20090525_030937_000000362079_00190_37819_7654.N1	25-MAY-2009 03:09:37	Straylight	35.500	178	lot1Sco	3.0220	6550.0	71	37819	No
24	GOM_NL__2PRFIN20090525_031058_000000362079_00190_37819_7655.N1	25-MAY-2009 03:10:58	Straylight	35.500	25	35Lam Sco	1.6200	28000.	71	37819	No
25	GOM_NL__2PRFIN20090525_031901_000000392079_00190_37819_7656.N1	25-MAY-2009 03:19:01	Bright	39.000	86	35Eta Oph	2.4300	10200.	78	37819	No
26	GOM_NL__2PRFIN20090525_032100_000000362079_00190_37819_7657.N1	25-MAY-2009 03:21:00	Bright	35.500	98	13Zet Oph	2.5710	30000.	71	37819	No
27	GOM_NL__2PRFIN20090525_032317_000000342079_00190_37819_7658.N1	25-MAY-2009 03:23:17	Bright	34.000	120	1Del Oph	2.7340	3200.0	68	37819	No
28	GOM_NL__2PRFIN20090525_033207_000000392079_00190_37819_7659.N1	25-MAY-2009 03:32:07	Bright	39.000	127	27Bet Her	2.7810	4700.0	78	37819	No
29	GOM_NL__2PRFIN20090525_033546_000000402079_00190_37819_7660.N1	25-MAY-2009 03:35:46	Bright	40.000	133	40Zet Her	2.8070	6000.0	80	37819	No
30	GOM_NL__2PRFIN20090525_034325_000000392079_00190_37819_7661.N1	25-MAY-2009 03:43:25	Bright	38.500	130	23Bet Dra	2.7990	5800.0	77	37819	No
31	GOM_NL__2PRFIN20090525_035403_000000342079_00190_37819_7662.N1	25-MAY-2009 03:54:03	Bright	34.000	89	5Alp Cep	2.4510	8000.0	68	37819	No
32	GOM_NL__2PRFIN20090525_040816_000000282079_00190_37819_7663.N1	25-MAY-2009 04:08:16	Twilight	28.000	58	21Alp And	2.0730	11000.	56	37819	No
33	GOM_NL__2PRFIN20090525_041248_000000292079_00190_37819_7664.N1	25-MAY-2009 04:12:48	Dark	28.500	140	88Gam Peg	2.8340	26000.	57	37819	No
34	GOM_NL__2PRFIN20090525_042921_000000392079_00190_37819_7665.N1	25-MAY-2009 04:29:21	Dark	38.500	18	24Alp PsA	1.1660	9700.0	77	37819	No
35	GOM_NL__2PRFIN20090525_043456_000000422079_00191_37820_7667.N1	25-MAY-2009 04:34:56	Dark	42.000	172	Gam Gru	3.0030	13100.	84	37820	No
36	GOM_NL__2PRFIN20090525_045014_000000352079_00191_37820_7668.N1	25-MAY-2009 04:50:14	Straylight	35.000	178	lot1Sco	3.0220	6550.0	70	37820	No
37	GOM_NL__2PRFIN20090525_045135_000000352079_00191_37820_7669.N1	25-MAY-2009 04:51:35	Straylight	35.000	25	35Lam Sco	1.6200	28000.	70	37820	No
38	GOM_NL__2PRFIN20090525_045937_000000392079_00191_37820_7670.N1	25-MAY-2009 04:59:37	Bright	39.000	86	35Eta Oph	2.4300	10200.	78	37820	No
39	GOM_NL__2PRFIN20090525_050136_000000362079_00191_37820_7671.N1	25-MAY-2009 05:01:36	Bright	35.500	98	13Zet Oph	2.5710	30000.	71	37820	No
40	GOM_NL__2PRFIN20090525_050353_000000342079_00191_37820_7672.N1	25-MAY-2009 05:03:53	Bright	34.000	120	1Del Oph	2.7340	3200.0	68	37820	No
41	GOM_NL__2PRFIN20090525_051243_000000382079_00191_37820_7673.N1	25-MAY-2009 05:12:43	Bright	38.000	127	27Bet Her	2.7810	4700.0	76	37820	No
42	GOM_NL__2PRFIN20090525_051622_000000402079_00191_37820_7674.N1	25-MAY-2009 05:16:22	Bright	39.500	133	40Zet Her	2.8070	6000.0	79	37820	No

43	GOM_NL__2PRFIN20090525_052401_000000382079_00191_37820_7675.N1	25-MAY-2009 05:24:01	Bright	38.000	130	23Bet Dra	2.7990	5800.0	76	37820	No
44	GOM_NL__2PRFIN20090525_053439_000000342079_00191_37820_7676.N1	25-MAY-2009 05:34:39	Bright	33.500	89	5Alp Cep	2.4510	8000.0	67	37820	No
45	GOM_NL__2PRFIN20090525_054852_000000282079_00191_37820_7677.N1	25-MAY-2009 05:48:52	Tw_i_and_stray	28.000	58	21Alp And	2.0730	11000.	56	37820	No
46	GOM_NL__2PRFIN20090525_055324_000000292079_00191_37820_7678.N1	25-MAY-2009 05:53:24	Dark	29.000	140	88Gam Peg	2.8340	26000.	58	37820	No
47	GOM_NL__2PRFIN20090525_060958_000000382079_00191_37820_7679.N1	25-MAY-2009 06:09:58	Dark	38.000	18	24Alp PsA	1.1660	9700.0	76	37820	No
48	GOM_NL__2PRFIN20090525_061533_000000432079_00192_37821_7682.N1	25-MAY-2009 06:15:33	Dark	42.500	172	Gam Gru	3.0030	13100.	85	37821	No
49	GOM_NL__2PRFIN20090525_063050_000000362079_00192_37821_7683.N1	25-MAY-2009 06:30:50	Straylight	35.500	178	lot1Sco	3.0220	6550.0	71	37821	No
50	GOM_NL__2PRFIN20090525_063211_000000362079_00192_37821_7684.N1	25-MAY-2009 06:32:11	Straylight	35.500	25	35Lam Sco	1.6200	28000.	71	37821	No
51	GOM_NL__2PRFIN20090525_064013_000000392079_00192_37821_7685.N1	25-MAY-2009 06:40:13	Bright	39.000	86	35Eta Oph	2.4300	10200.	78	37821	No
52	GOM_NL__2PRFIN20090525_064212_000000362079_00192_37821_7686.N1	25-MAY-2009 06:42:12	Bright	35.500	98	13Zet Oph	2.5710	30000.	71	37821	No
53	GOM_NL__2PRFIN20090525_064429_000000342079_00192_37821_7687.N1	25-MAY-2009 06:44:29	Bright	34.000	120	1Del Oph	2.7340	3200.0	68	37821	No
54	GOM_NL__2PRFIN20090525_065317_000000392079_00192_37821_7688.N1	25-MAY-2009 06:53:17	Bright	39.000	127	27Bet Her	2.7810	4700.0	78	37821	No
55	GOM_NL__2PRFIN20090525_065656_000000402079_00192_37821_7689.N1	25-MAY-2009 06:56:56	Bright	40.000	133	40Zet Her	2.8070	6000.0	80	37821	No
56	GOM_NL__2PRFIN20090525_070436_000000392079_00192_37821_7690.N1	25-MAY-2009 07:04:36	Bright	38.500	130	23Bet Dra	2.7990	5800.0	77	37821	No
57	GOM_NL__2PRFIN20090525_071514_000000342079_00192_37821_7691.N1	25-MAY-2009 07:15:14	Bright	33.500	89	5Alp Cep	2.4510	8000.0	67	37821	No
58	GOM_NL__2PRFIN20090525_072929_000000292079_00192_37821_7692.N1	25-MAY-2009 07:29:29	Tw_i_and_stray	28.500	58	21Alp And	2.0730	11000.	57	37821	No
59	GOM_NL__2PRFIN20090525_073401_000000302079_00192_37821_7693.N1	25-MAY-2009 07:34:01	Dark	29.500	140	88Gam Peg	2.8340	26000.	59	37821	No
60	GOM_NL__2PRFIN20090525_075035_000000392079_00192_37821_7694.N1	25-MAY-2009 07:50:35	Dark	38.500	18	24Alp PsA	1.1660	9700.0	77	37821	No
61	GOM_NL__2PRFIN20090525_075611_000000422079_00193_37822_7697.N1	25-MAY-2009 07:56:11	Dark	42.000	172	Gam Gru	3.0030	13100.	84	37822	No
62	GOM_NL__2PRFIN20090525_081126_000000362079_00193_37822_7698.N1	25-MAY-2009 08:11:26	Straylight	35.500	178	lot1Sco	3.0220	6550.0	71	37822	No
63	GOM_NL__2PRFIN20090525_081247_000000362079_00193_37822_7699.N1	25-MAY-2009 08:12:47	Straylight	35.500	25	35Lam Sco	1.6200	28000.	71	37822	No
64	GOM_NL__2PRFIN20090525_082049_000000392079_00193_37822_7700.N1	25-MAY-2009 08:20:49	Bright	38.500	86	35Eta Oph	2.4300	10200.	77	37822	No
65	GOM_NL__2PRFIN20090525_082248_000000352079_00193_37822_7701.N1	25-MAY-2009 08:22:48	Bright	35.000	98	13Zet Oph	2.5710	30000.	70	37822	No
66	GOM_NL__2PRFIN20090525_082505_000000342079_00193_37822_7702.N1	25-MAY-2009 08:25:05	Bright	33.500	120	1Del Oph	2.7340	3200.0	67	37822	No
67	GOM_NL__2PRFIN20090525_083353_000000392079_00193_37822_7703.N1	25-MAY-2009 08:33:53	Bright	38.500	127	27Bet Her	2.7810	4700.0	77	37822	No
68	GOM_NL__2PRFIN20090525_083732_000000402079_00193_37822_7704.N1	25-MAY-2009 08:37:32	Bright	39.500	133	40Zet Her	2.8070	6000.0	79	37822	No
69	GOM_NL__2PRFIN20090525_084511_000000382079_00193_37822_7705.N1	25-MAY-2009 08:45:11	Bright	38.000	130	23Bet Dra	2.7990	5800.0	76	37822	No
70	GOM_NL__2PRFIN20090525_085550_000000342079_00193_37822_7706.N1	25-MAY-2009 08:55:50	Bright	33.500	89	5Alp Cep	2.4510	8000.0	67	37822	No
71	GOM_NL__2PRFIN20090525_091005_000000282079_00193_37822_7707.N1	25-MAY-2009 09:10:05	Tw_i_and_stray	28.000	58	21Alp And	2.0730	11000.	56	37822	No
72	GOM_NL__2PRFIN20090525_091437_000000292079_00193_37822_7708.N1	25-MAY-2009 09:14:37	Dark	29.000	140	88Gam Peg	2.8340	26000.	58	37822	No
73	GOM_NL__2PRFIN20090525_093112_000000392079_00193_37822_7709.N1	25-MAY-2009 09:31:12	Dark	38.500	18	24Alp PsA	1.1660	9700.0	77	37822	No
74	GOM_NL__2PRFIN20090525_093648_000000422079_00194_37823_7711.N1	25-MAY-2009 09:36:48	Dark	41.500	172	Gam Gru	3.0030	13100.	83	37823	No
75	GOM_NL__2PRFIN20090525_095203_000000362079_00194_37823_7712.N1	25-MAY-2009 09:52:03	Straylight	35.500	178	lot1Sco	3.0220	6550.0	71	37823	No
76	GOM_NL__2PRFIN20090525_095324_000000352079_00194_37823_7713.N1	25-MAY-2009 09:53:24	Straylight	35.000	25	35Lam Sco	1.6200	28000.	70	37823	No
77	GOM_NL__2PRFIN20090525_100125_000000392079_00194_37823_7714.N1	25-MAY-2009 10:01:25	Bright	38.500	86	35Eta Oph	2.4300	10200.	77	37823	No
78	GOM_NL__2PRFIN20090525_100324_000000352079_00194_37823_7715.N1	25-MAY-2009 10:03:24	Bright	34.500	98	13Zet Oph	2.5710	30000.	69	37823	No
79	GOM_NL__2PRFIN20090525_100541_000000342079_00194_37823_7716.N1	25-MAY-2009 10:05:41	Bright	33.500	120	1Del Oph	2.7340	3200.0	67	37823	No
80	GOM_NL__2PRFIN20090525_101428_000000382079_00194_37823_7717.N1	25-MAY-2009 10:14:28	Bright	38.000	127	27Bet Her	2.7810	4700.0	76	37823	No
81	GOM_NL__2PRFIN20090525_101807_000000402079_00194_37823_7718.N1	25-MAY-2009 10:18:07	Bright	39.500	133	40Zet Her	2.8070	6000.0	79	37823	No
82	GOM_NL__2PRFIN20090525_102546_000000382079_00194_37823_7719.N1	25-MAY-2009 10:25:46	Bright	38.000	130	23Bet Dra	2.7990	5800.0	76	37823	No
83	GOM_NL__2PRFIN20090525_103625_000000342079_00194_37823_7720.N1	25-MAY-2009 10:36:25	Bright	33.500	89	5Alp Cep	2.4510	8000.0	67	37823	No
84	GOM_NL__2PRFIN20090525_105041_000000282079_00194_37823_7721.N1	25-MAY-2009 10:50:41	Tw_i_and_stray	28.000	58	21Alp And	2.0730	11000.	56	37823	No
85	GOM_NL__2PRFIN20090525_105513_000000292079_00194_37823_7722.N1	25-MAY-2009 10:55:13	Dark	28.500	140	88Gam Peg	2.8340	26000.	57	37823	No
86	GOM_NL__2PRFIN20090525_111149_000000382079_00194_37823_7723.N1	25-MAY-2009 11:11:49	Dark	38.000	18	24Alp PsA	1.1660	9700.0	76	37823	No
87	GOM_NL__2PRFIN20090525_111726_000000422079_00195_37824_7725.N1	25-MAY-2009 11:17:26	Dark	41.500	172	Gam Gru	3.0030	13100.	83	37824	No
88	GOM_NL__2PRFIN20090525_113239_000000352079_00195_37824_7726.N1	25-MAY-2009 11:32:39	Straylight	35.000	178	lot1Sco	3.0220	6550.0	70	37824	No
89	GOM_NL__2PRFIN20090525_113400_000000352079_00195_37824_7727.N1	25-MAY-2009 11:34:00	Straylight	35.000	25	35Lam Sco	1.6200	28000.	70	37824	No
90	GOM_NL__2PRFIN20090525_114201_000000392079_00195_37824_7728.N1	25-MAY-2009 11:42:01	Bright	39.000	86	35Eta Oph	2.4300	10200.	78	37824	No
91	GOM_NL__2PRFIN20090525_114400_000000352079_00195_37824_7729.N1	25-MAY-2009 11:44:00	Bright	35.000	98	13Zet Oph	2.5710	30000.	70	37824	No
92	GOM_NL__2PRFIN20090525_114617_000000342079_00195_37824_7730.N1	25-MAY-2009 11:46:17	Bright	33.500	120	1Del Oph	2.7340	3200.0	67	37824	No
93	GOM_NL__2PRFIN20090525_115504_000000382079_00195_37824_7731.N1	25-MAY-2009 11:55:04	Bright	38.000	127	27Bet Her	2.7810	4700.0	76	37824	No
94	GOM_NL__2PRFIN20090525_115842_000000402079_00195_37824_7732.N1	25-MAY-2009 11:58:42	Bright	39.500	133	40Zet Her	2.8070	6000.0	79	37824	No
95	GOM_NL__2PRFIN20090525_120621_000000382079_00195_37824_7733.N1	25-MAY-2009 12:06:21	Bright	38.000	130	23Bet Dra	2.7990	5800.0	76	37824	No
96	GOM_NL__2PRFIN20090525_121700_000000332079_00195_37824_7734.N1	25-MAY-2009 12:17:00	Bright	33.000	89	5Alp Cep	2.4510	8000.0	66	37824	No
97	GOM_NL__2PRFIN20090525_123117_000000282079_00195_37824_7735.N1	25-MAY-2009 12:31:17	Tw_i_and_stray	28.000	58	21Alp And	2.0730	11000.	56	37824	No
98	GOM_NL__2PRFIN20090525_123550_000000292079_00195_37824_7736.N1	25-MAY-2009 12:35:50	Dark	29.000	140	88Gam Peg	2.8340	26000.	58	37824	No
99	GOM_NL__2PRFIN20090525_125226_000000392079_00195_37824_7737.N1	25-MAY-2009 12:52:26	Dark	38.500	18	24Alp PsA	1.1660	9700.0	77	37824	No
100	GOM_NL__2PRFIN20090525_125802_000000422079_00196_37825_7739.N1	25-MAY-2009 12:58:02	Dark	42.000	172	Gam Gru	3.0030	13100.	84	37825	No
101	GOM_NL__2PRFIN20090525_131316_000000352079_00196_37825_7740.N1	25-MAY-2009 13:13:16	Straylight	35.000	178	lot1Sco	3.0220	6550.0	70	37825	No



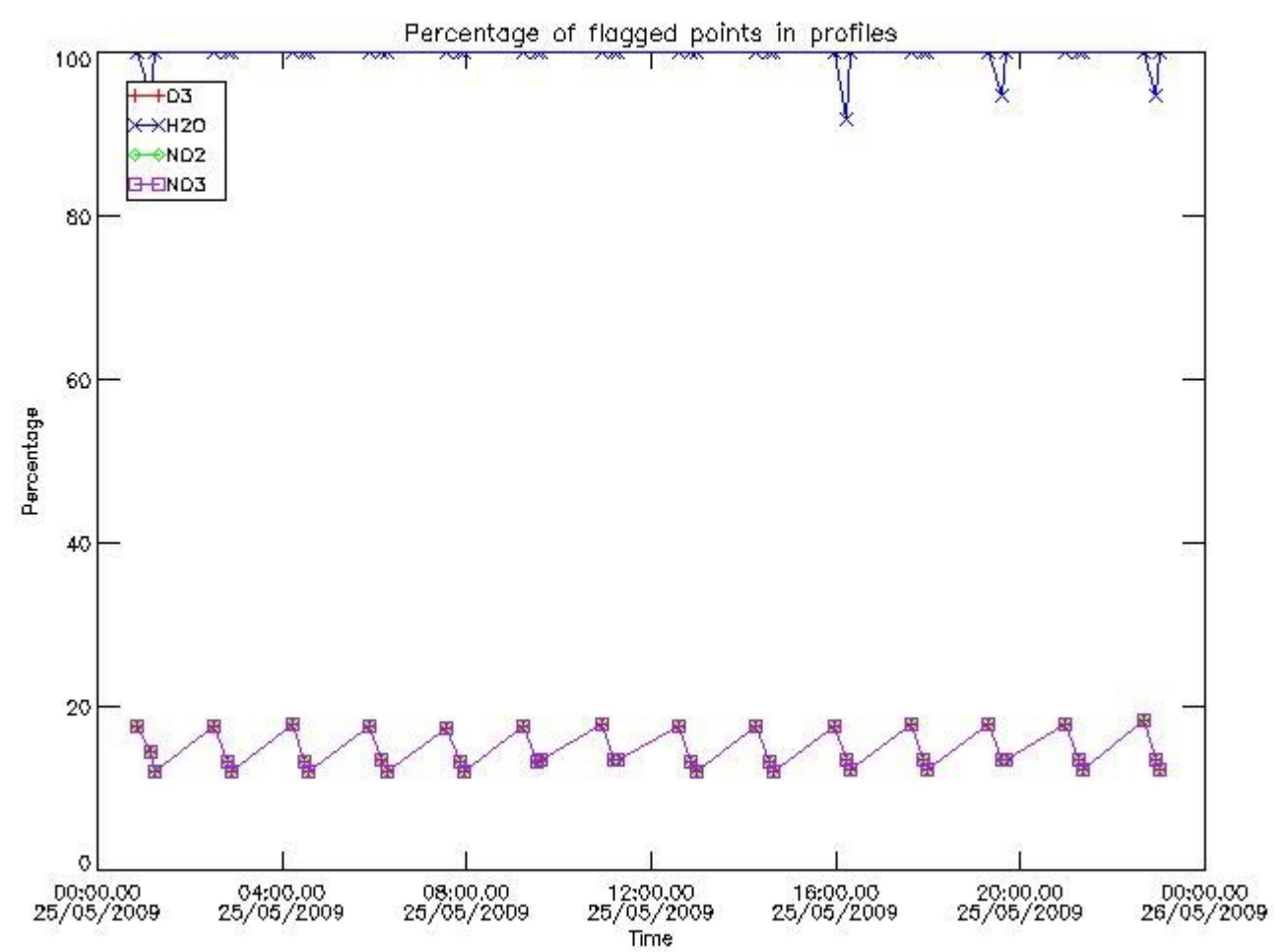
102	GOM_NL__2PRFIN20090525_131437_000000342079_00196_37825_7741.N1	25-MAY-2009 13:14:37	Straylight	34.000	25	35Lam Sco	1.6200	28000.	68	37825	No
103	GOM_NL__2PRFIN20090525_132237_000000392079_00196_37825_7742.N1	25-MAY-2009 13:22:37	Bright	38.500	86	35Eta Oph	2.4300	10200.	77	37825	No
104	GOM_NL__2PRFIN20090525_132436_000000352079_00196_37825_7743.N1	25-MAY-2009 13:24:36	Bright	34.500	98	13Zet Oph	2.5710	30000.	69	37825	No
105	GOM_NL__2PRFIN20090525_132652_000000342079_00196_37825_7744.N1	25-MAY-2009 13:26:52	Bright	34.000	120	1Del Oph	2.7340	3200.0	68	37825	No
106	GOM_NL__2PRFIN20090525_133539_000000382079_00196_37825_7745.N1	25-MAY-2009 13:35:39	Bright	37.500	127	27Bet Her	2.7810	4700.0	75	37825	No
107	GOM_NL__2PRFIN20090525_133917_000000402079_00196_37825_7746.N1	25-MAY-2009 13:39:17	Bright	39.500	133	40Zet Her	2.8070	6000.0	79	37825	No
108	GOM_NL__2PRFIN20090525_134656_000000392079_00196_37825_7747.N1	25-MAY-2009 13:46:56	Bright	38.500	130	23Bet Dra	2.7990	5800.0	77	37825	No
109	GOM_NL__2PRFIN20090525_135736_000000342079_00196_37825_7748.N1	25-MAY-2009 13:57:36	Bright	33.500	89	5Alp Cep	2.4510	8000.0	67	37825	No
110	GOM_NL__2PRFIN20090525_141153_000000292079_00196_37825_7749.N1	25-MAY-2009 14:11:53	Tw_i_and_stray	28.500	58	21Alp And	2.0730	11000.	57	37825	No
111	GOM_NL__2PRFIN20090525_141626_000000292079_00196_37825_7750.N1	25-MAY-2009 14:16:26	Dark	29.000	140	88Gam Peg	2.8340	26000.	58	37825	No
112	GOM_NL__2PRFIN20090525_143303_000000392079_00196_37825_7751.N1	25-MAY-2009 14:33:03	Dark	38.500	18	24Alp PsA	1.1660	9700.0	77	37825	No
113	GOM_NL__2PRFIN20090525_143840_000000422079_00197_37826_7753.N1	25-MAY-2009 14:38:40	Dark	42.000	172	Gam Gru	3.0030	13100.	84	37826	No
114	GOM_NL__2PRFIN20090525_145352_000000352079_00197_37826_7754.N1	25-MAY-2009 14:53:52	Straylight	35.000	178	lot1Sco	3.0220	6550.0	70	37826	No
115	GOM_NL__2PRFIN20090525_145513_000000342079_00197_37826_7755.N1	25-MAY-2009 14:55:13	Straylight	34.000	25	35Lam Sco	1.6200	28000.	68	37826	No
116	GOM_NL__2PRFIN20090525_150313_000000392079_00197_37826_7756.N1	25-MAY-2009 15:03:13	Bright	38.500	86	35Eta Oph	2.4300	10200.	77	37826	No
117	GOM_NL__2PRFIN20090525_150512_000000352079_00197_37826_7757.N1	25-MAY-2009 15:05:12	Bright	34.500	98	13Zet Oph	2.5710	30000.	69	37826	No
118	GOM_NL__2PRFIN20090525_150728_000000342079_00197_37826_7758.N1	25-MAY-2009 15:07:28	Bright	33.500	120	1Del Oph	2.7340	3200.0	67	37826	No
119	GOM_NL__2PRFIN20090525_151614_000000392079_00197_37826_7759.N1	25-MAY-2009 15:16:14	Bright	38.500	127	27Bet Her	2.7810	4700.0	77	37826	No
120	GOM_NL__2PRFIN20090525_151953_000000402079_00197_37826_7760.N1	25-MAY-2009 15:19:53	Bright	39.500	133	40Zet Her	2.8070	6000.0	79	37826	No
121	GOM_NL__2PRFIN20090525_152732_000000382079_00197_37826_7761.N1	25-MAY-2009 15:27:32	Bright	37.500	130	23Bet Dra	2.7990	5800.0	75	37826	No
122	GOM_NL__2PRFIN20090525_153811_000000332079_00197_37826_7762.N1	25-MAY-2009 15:38:11	Bright	33.000	89	5Alp Cep	2.4510	8000.0	66	37826	No
123	GOM_NL__2PRFIN20090525_155229_000000282079_00197_37826_7763.N1	25-MAY-2009 15:52:29	Tw_i_and_stray	28.000	58	21Alp And	2.0730	11000.	56	37826	No
124	GOM_NL__2PRFIN20090525_155702_000000292079_00197_37826_7764.N1	25-MAY-2009 15:57:02	Dark	29.000	140	88Gam Peg	2.8340	26000.	58	37826	No
125	GOM_NL__2PRFIN20090525_161341_000000382079_00197_37826_7765.N1	25-MAY-2009 16:13:41	Dark	37.500	18	24Alp PsA	1.1660	9700.0	75	37826	No
126	GOM_NL__2PRFIN20090525_161917_000000422079_00198_37827_7768.N1	25-MAY-2009 16:19:17	Dark	41.500	172	Gam Gru	3.0030	13100.	83	37827	No
127	GOM_NL__2PRFIN20090525_163429_000000352079_00198_37827_7769.N1	25-MAY-2009 16:34:29	Straylight	34.500	178	lot1Sco	3.0220	6550.0	69	37827	No
128	GOM_NL__2PRFIN20090525_163550_000000352079_00198_37827_7770.N1	25-MAY-2009 16:35:50	Straylight	34.500	25	35Lam Sco	1.6200	28000.	69	37827	No
129	GOM_NL__2PRFIN20090525_164349_000000392079_00198_37827_7771.N1	25-MAY-2009 16:43:49	Bright	38.500	86	35Eta Oph	2.4300	10200.	77	37827	No
130	GOM_NL__2PRFIN20090525_164548_000000352079_00198_37827_7772.N1	25-MAY-2009 16:45:48	Bright	34.500	98	13Zet Oph	2.5710	30000.	69	37827	No
131	GOM_NL__2PRFIN20090525_164804_000000342079_00198_37827_7773.N1	25-MAY-2009 16:48:04	Bright	33.500	120	1Del Oph	2.7340	3200.0	67	37827	No
132	GOM_NL__2PRFIN20090525_165650_000000382079_00198_37827_7774.N1	25-MAY-2009 16:56:50	Bright	38.000	127	27Bet Her	2.7810	4700.0	76	37827	No
133	GOM_NL__2PRFIN20090525_170028_000000392079_00198_37827_7775.N1	25-MAY-2009 17:00:28	Bright	39.000	133	40Zet Her	2.8070	6000.0	78	37827	No
134	GOM_NL__2PRFIN20090525_170807_000000382079_00198_37827_7776.N1	25-MAY-2009 17:08:07	Bright	38.000	130	23Bet Dra	2.7990	5800.0	76	37827	No
135	GOM_NL__2PRFIN20090525_171846_000000342079_00198_37827_7777.N1	25-MAY-2009 17:18:46	Bright	33.500	89	5Alp Cep	2.4510	8000.0	67	37827	No
136	GOM_NL__2PRFIN20090525_173305_000000282079_00198_37827_7778.N1	25-MAY-2009 17:33:05	Tw_i_and_stray	28.000	58	21Alp And	2.0730	11000.	56	37827	No
137	GOM_NL__2PRFIN20090525_173739_000000292079_00198_37827_7779.N1	25-MAY-2009 17:37:39	Dark	28.500	140	88Gam Peg	2.8340	26000.	57	37827	No
138	GOM_NL__2PRFIN20090525_175417_000000382079_00198_37827_7780.N1	25-MAY-2009 17:54:17	Dark	38.000	18	24Alp PsA	1.1660	9700.0	76	37827	No
139	GOM_NL__2PRFIN20090525_175954_000000422079_00199_37828_7806.N1	25-MAY-2009 17:59:54	Dark	41.500	172	Gam Gru	3.0030	13100.	83	37828	No
140	GOM_NL__2PRFIN20090525_181505_000000352079_00199_37828_7807.N1	25-MAY-2009 18:15:05	Straylight	35.000	178	lot1Sco	3.0220	6550.0	70	37828	No
141	GOM_NL__2PRFIN20090525_181626_000000352079_00199_37828_7808.N1	25-MAY-2009 18:16:26	Straylight	34.500	25	35Lam Sco	1.6200	28000.	69	37828	No
142	GOM_NL__2PRFIN20090525_182425_000000392079_00199_37828_7809.N1	25-MAY-2009 18:24:25	Bright	38.500	86	35Eta Oph	2.4300	10200.	77	37828	No
143	GOM_NL__2PRFIN20090525_182623_000000352079_00199_37828_7810.N1	25-MAY-2009 18:26:23	Bright	34.500	98	13Zet Oph	2.5710	30000.	69	37828	No
144	GOM_NL__2PRFIN20090525_182840_000000332079_00199_37828_7811.N1	25-MAY-2009 18:28:40	Bright	33.000	120	1Del Oph	2.7340	3200.0	66	37828	No
145	GOM_NL__2PRFIN20090525_183725_000000382079_00199_37828_7812.N1	25-MAY-2009 18:37:25	Bright	38.000	127	27Bet Her	2.7810	4700.0	76	37828	No
146	GOM_NL__2PRFIN20090525_184103_000000392079_00199_37828_7813.N1	25-MAY-2009 18:41:03	Bright	39.000	133	40Zet Her	2.8070	6000.0	78	37828	No
147	GOM_NL__2PRFIN20090525_184842_000000382079_00199_37828_7814.N1	25-MAY-2009 18:48:42	Bright	37.500	130	23Bet Dra	2.7990	5800.0	75	37828	No
148	GOM_NL__2PRFIN20090525_185922_000000332079_00199_37828_7815.N1	25-MAY-2009 18:59:22	Bright	33.000	89	5Alp Cep	2.4510	8000.0	66	37828	No
149	GOM_NL__2PRFIN20090525_191341_000000282079_00199_37828_7816.N1	25-MAY-2009 19:13:41	Tw_i_and_stray	28.000	58	21Alp And	2.0730	11000.	56	37828	No
150	GOM_NL__2PRFIN20090525_191815_000000292079_00199_37828_7817.N1	25-MAY-2009 19:18:15	Dark	28.500	140	88Gam Peg	2.8340	26000.	57	37828	No
151	GOM_NL__2PRFIN20090525_193454_000000382079_00199_37828_7818.N1	25-MAY-2009 19:34:54	Dark	38.000	18	24Alp PsA	1.1660	9700.0	76	37828	No
152	GOM_NL__2PRFIN20090525_194031_000000412079_00200_37829_7821.N1	25-MAY-2009 19:40:31	Dark	41.000	172	Gam Gru	3.0030	13100.	82	37829	No
153	GOM_NL__2PRFIN20090525_195542_000000352079_00200_37829_7822.N1	25-MAY-2009 19:55:42	Straylight	34.500	178	lot1Sco	3.0220	6550.0	69	37829	No
154	GOM_NL__2PRFIN20090525_195703_000000342079_00200_37829_7823.N1	25-MAY-2009 19:57:03	Straylight	34.000	25	35Lam Sco	1.6200	28000.	68	37829	No
155	GOM_NL__2PRFIN20090525_200501_000000382079_00200_37829_7824.N1	25-MAY-2009 20:05:01	Bright	38.000	86	35Eta Oph	2.4300	10200.	76	37829	No
156	GOM_NL__2PRFIN20090525_200659_000000352079_00200_37829_7825.N1	25-MAY-2009 20:06:59	Bright	34.500	98	13Zet Oph	2.5710	30000.	69	37829	No
157	GOM_NL__2PRFIN20090525_200916_000000342079_00200_37829_7826.N1	25-MAY-2009 20:09:16	Bright	33.500	120	1Del Oph	2.7340	3200.0	67	37829	No
158	GOM_NL__2PRFIN20090525_201800_000000382079_00200_37829_7827.N1	25-MAY-2009 20:18:00	Bright	38.000	127	27Bet Her	2.7810	4700.0	76	37829	No
159	GOM_NL__2PRFIN20090525_202139_000000382079_00200_37829_7828.N1	25-MAY-2009 20:21:39	Bright	38.000	133	40Zet Her	2.8070	6000.0	76	37829	No
160	GOM_NL__2PRFIN20090525_202917_000000382079_00200_37829_7829.N1	25-MAY-2009 20:29:17	Bright	37.500	130	23Bet Dra	2.7990	5800.0	75	37829	No

161	GOM_NL__2PRFIN20090525_203957_000000332079_00200_37829_7830.N1	25-MAY-2009 20:39:57	Bright	33.000	89	5Alp Cep	2.4510	8000.0	66	37829	No
162	GOM_NL__2PRFIN20090525_205417_000000282079_00200_37829_7831.N1	25-MAY-2009 20:54:17	Twilight	28.000	58	21Alp And	2.0730	11000.	56	37829	No
163	GOM_NL__2PRFIN20090525_205851_000000282079_00200_37829_7832.N1	25-MAY-2009 20:58:51	Dark	28.000	140	88Gam Peg	2.8340	26000.	56	37829	No
164	GOM_NL__2PRFIN20090525_211531_000000382079_00200_37829_7833.N1	25-MAY-2009 21:15:31	Dark	38.000	18	24Alp PsA	1.1660	9700.0	76	37829	No
165	GOM_NL__2PRFIN20090525_212108_000000422079_00201_37830_7838.N1	25-MAY-2009 21:21:08	Dark	41.500	172	Gam Gru	3.0030	13100.	83	37830	No
166	GOM_NL__2PRFIN20090525_213618_000000352079_00201_37830_7839.N1	25-MAY-2009 21:36:18	Straylight	34.500	178	lot1Sco	3.0220	6550.0	69	37830	No
167	GOM_NL__2PRFIN20090525_213739_000000342079_00201_37830_7840.N1	25-MAY-2009 21:37:39	Straylight	34.000	25	35Lam Sco	1.6200	28000.	68	37830	No
168	GOM_NL__2PRFIN20090525_214537_000000382079_00201_37830_7841.N1	25-MAY-2009 21:45:37	Bright	38.000	86	35Eta Oph	2.4300	10200.	76	37830	No
169	GOM_NL__2PRFIN20090525_214735_000000352079_00201_37830_7842.N1	25-MAY-2009 21:47:35	Bright	34.500	98	13Zet Oph	2.5710	30000.	69	37830	No
170	GOM_NL__2PRFIN20090525_214952_000000332079_00201_37830_7843.N1	25-MAY-2009 21:49:52	Bright	33.000	120	1Del Oph	2.7340	3200.0	66	37830	No
171	GOM_NL__2PRFIN20090525_215836_000000382079_00201_37830_7844.N1	25-MAY-2009 21:58:36	Bright	38.000	127	27Bet Her	2.7810	4700.0	76	37830	No
172	GOM_NL__2PRFIN20090525_220214_000000392079_00201_37830_7845.N1	25-MAY-2009 22:02:14	Bright	38.500	133	40Zet Her	2.8070	6000.0	77	37830	No
173	GOM_NL__2PRFIN20090525_220952_000000382079_00201_37830_7846.N1	25-MAY-2009 22:09:52	Bright	38.000	130	23Bet Dra	2.7990	5800.0	76	37830	No
174	GOM_NL__2PRFIN20090525_222033_000000332079_00201_37830_7847.N1	25-MAY-2009 22:20:33	Twilight	32.500	89	5Alp Cep	2.4510	8000.0	65	37830	No
175	GOM_NL__2PRFIN20090525_223453_000000282079_00201_37830_7848.N1	25-MAY-2009 22:34:53	Twilight	27.500	58	21Alp And	2.0730	11000.	55	37830	No
176	GOM_NL__2PRFIN20090525_223928_000000282079_00201_37830_7849.N1	25-MAY-2009 22:39:28	Dark	28.000	140	88Gam Peg	2.8340	26000.	56	37830	No
177	GOM_NL__2PRFIN20090525_225608_000000382079_00201_37830_7850.N1	25-MAY-2009 22:56:08	Dark	38.000	18	24Alp PsA	1.1660	9700.0	76	37830	No
178	GOM_NL__2PRFIN20090525_230145_000000422079_00202_37831_7854.N1	25-MAY-2009 23:01:45	Dark	41.500	172	Gam Gru	3.0030	13100.	83	37831	No
179	GOM_NL__2PRFIN20090525_231655_000000342079_00202_37831_7855.N1	25-MAY-2009 23:16:55	Straylight	34.000	178	lot1Sco	3.0220	6550.0	68	37831	No
180	GOM_NL__2PRFIN20090525_231816_000000342079_00202_37831_7856.N1	25-MAY-2009 23:18:16	Straylight	33.500	25	35Lam Sco	1.6200	28000.	67	37831	No
181	GOM_NL__2PRFIN20090525_232613_000000382079_00202_37831_7857.N1	25-MAY-2009 23:26:13	Bright	37.500	86	35Eta Oph	2.4300	10200.	75	37831	No
182	GOM_NL__2PRFIN20090525_232811_000000342079_00202_37831_7858.N1	25-MAY-2009 23:28:11	Bright	34.000	98	13Zet Oph	2.5710	30000.	68	37831	No
183	GOM_NL__2PRFIN20090525_233028_000000332079_00202_37831_7859.N1	25-MAY-2009 23:30:28	Bright	32.500	120	1Del Oph	2.7340	3200.0	65	37831	No
184	GOM_NL__2PRFIN20090525_233911_000000382079_00202_37831_7860.N1	25-MAY-2009 23:39:11	Bright	37.500	127	27Bet Her	2.7810	4700.0	75	37831	No
185	GOM_NL__2PRFIN20090525_234249_000000382079_00202_37831_7861.N1	25-MAY-2009 23:42:49	Bright	38.000	133	40Zet Her	2.8070	6000.0	76	37831	No
186	GOM_NL__2PRFIN20090525_235027_000000372079_00202_37831_7862.N1	25-MAY-2009 23:50:27	Bright	37.000	130	23Bet Dra	2.7990	5800.0	74	37831	No

### 3. Quality information per product

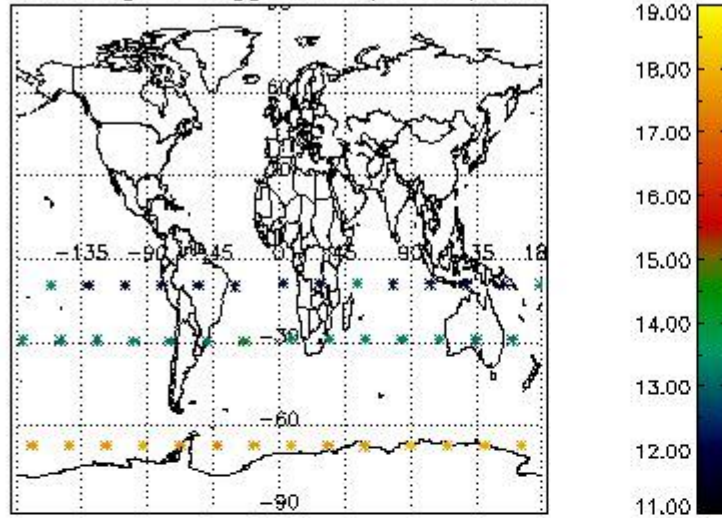
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

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

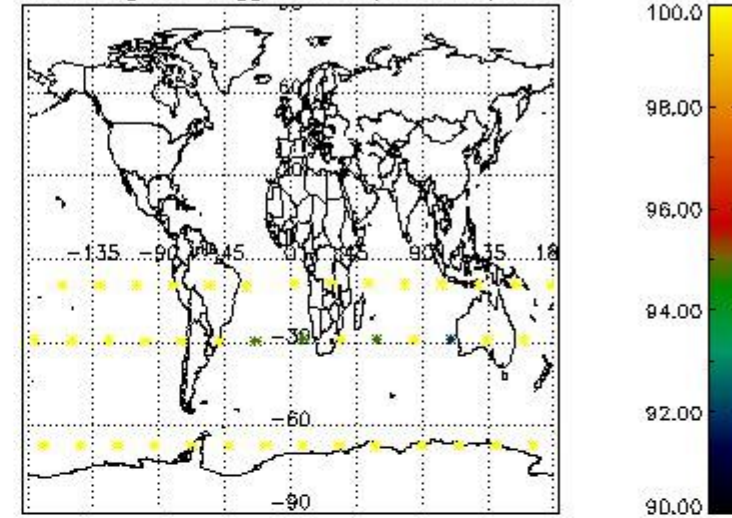


3.2 Plot quality information per product (world map)

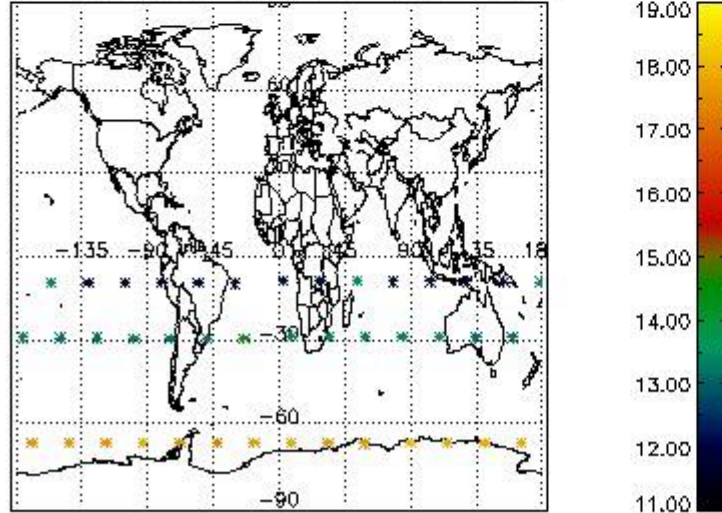
Percentage of flagged data per O3 profile



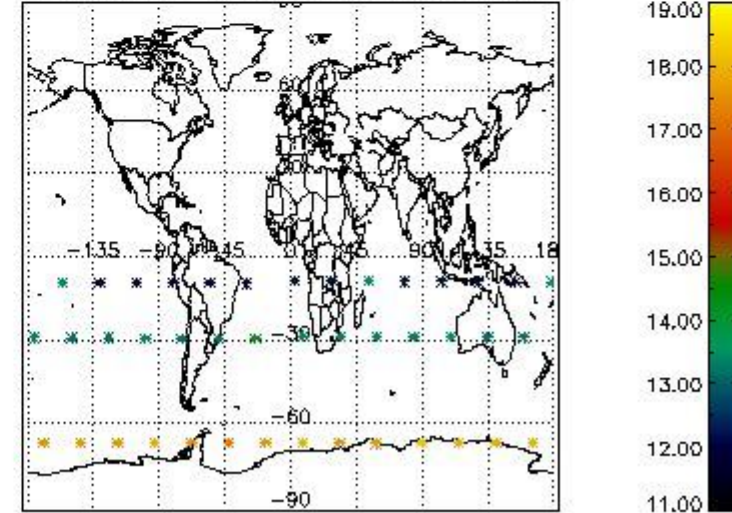
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile



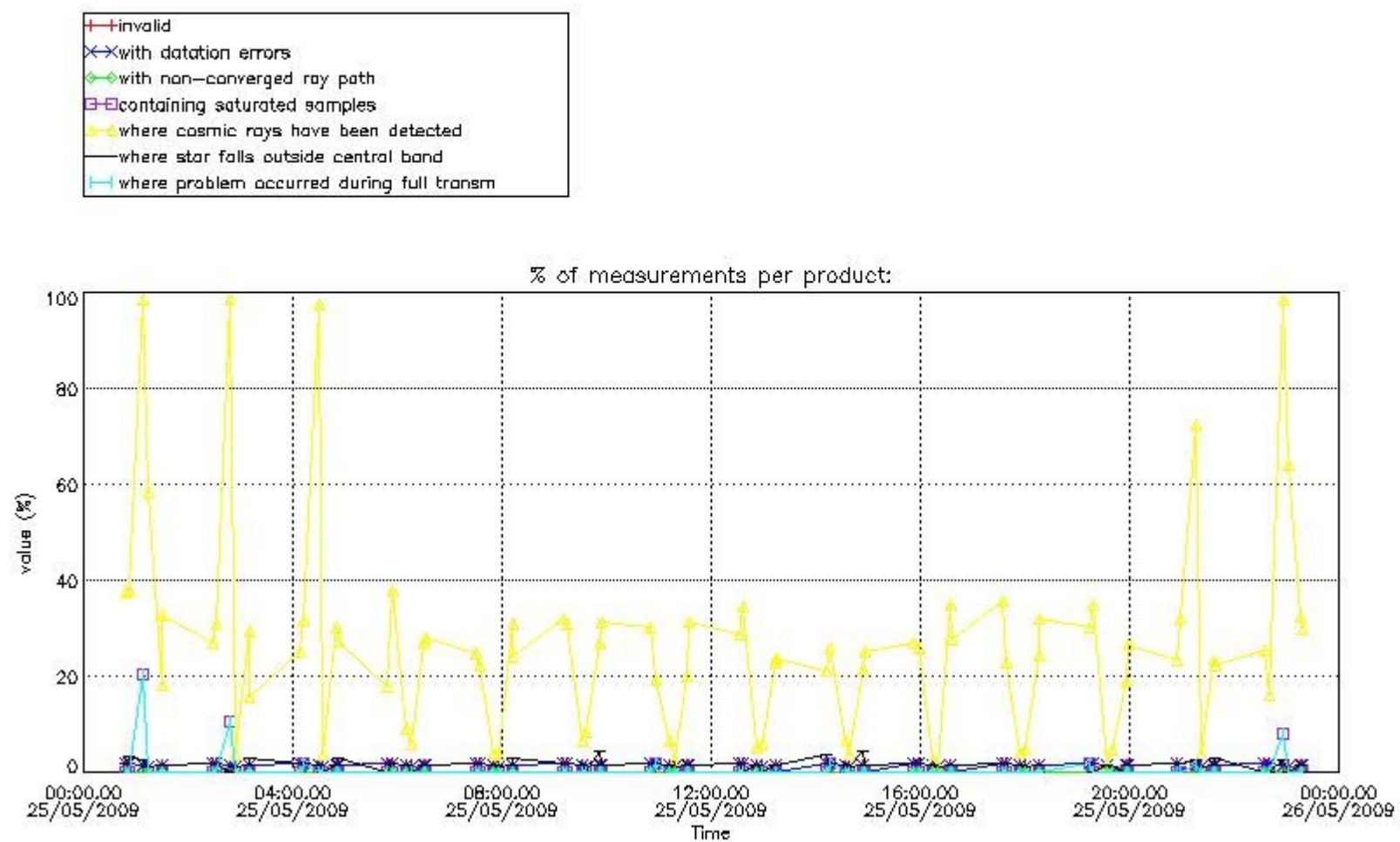
#### 4. Level 1 quality information per product

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.

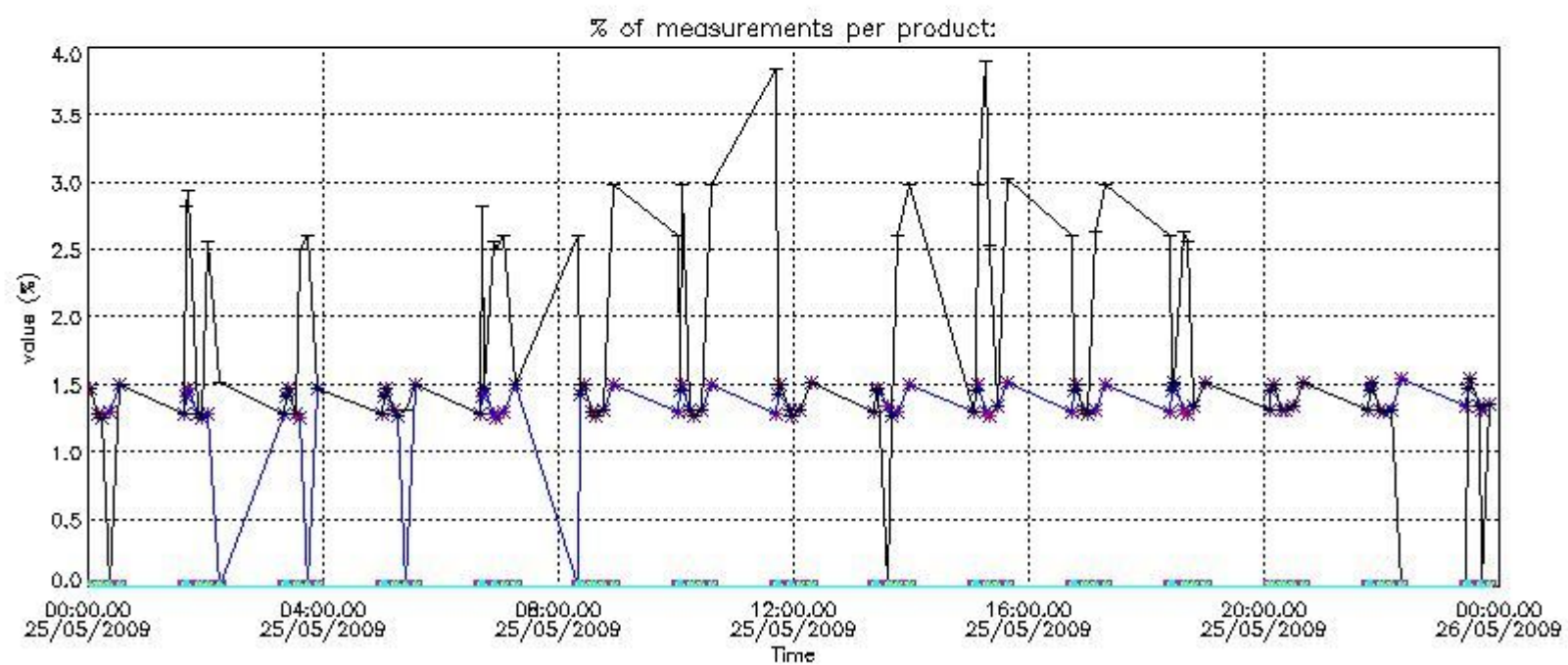
##### 4.1 Plot quality information per product (time dependant) coming from level 1b processing

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



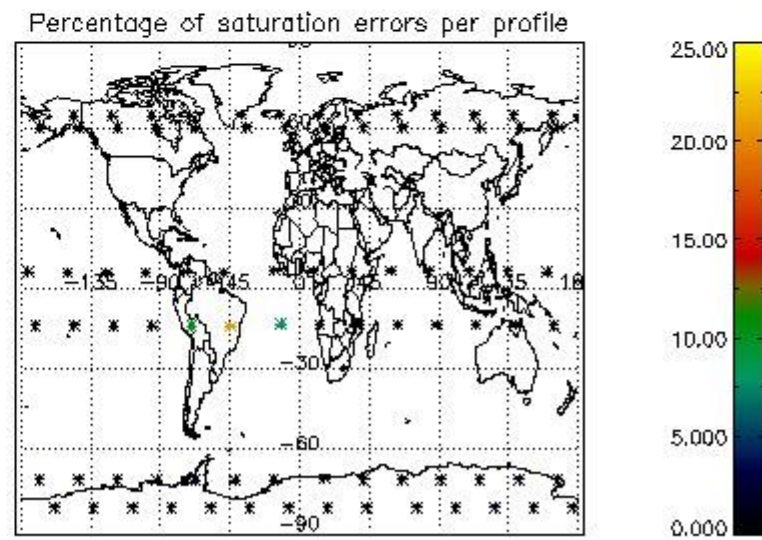
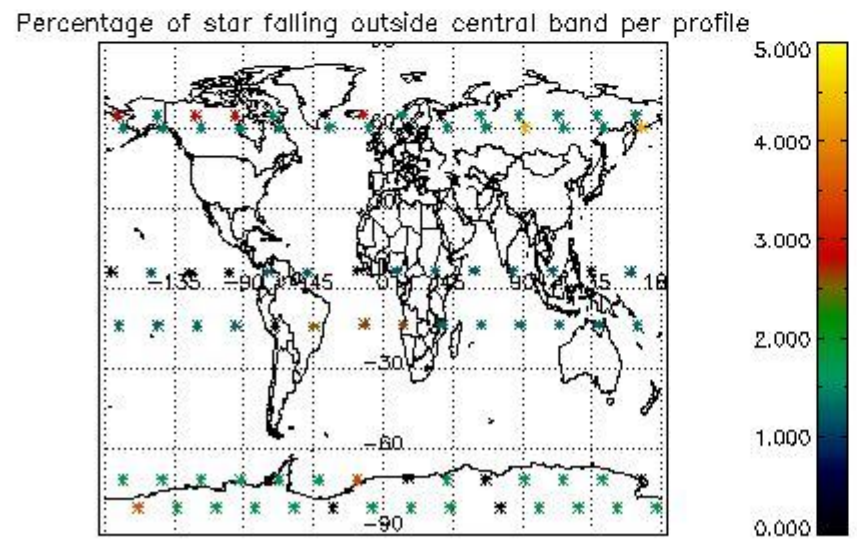
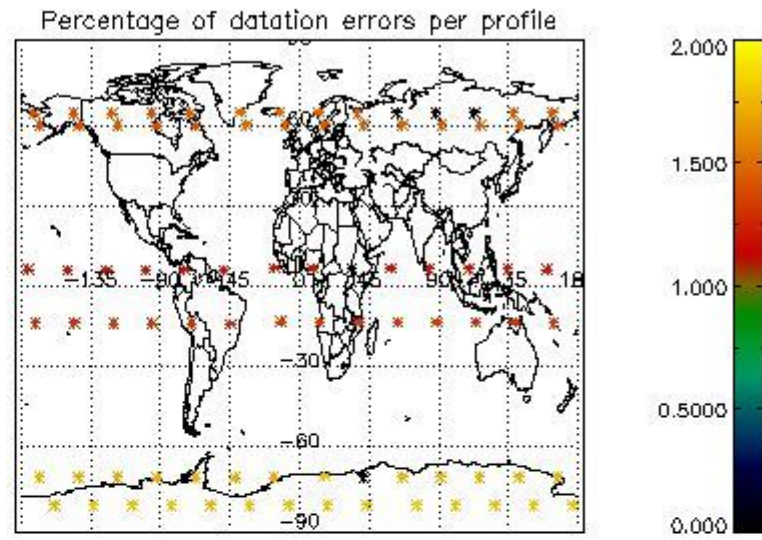
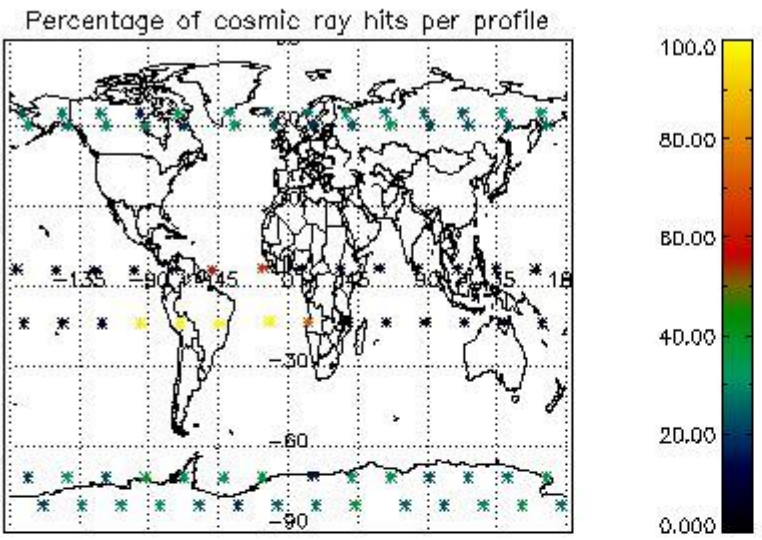


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



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

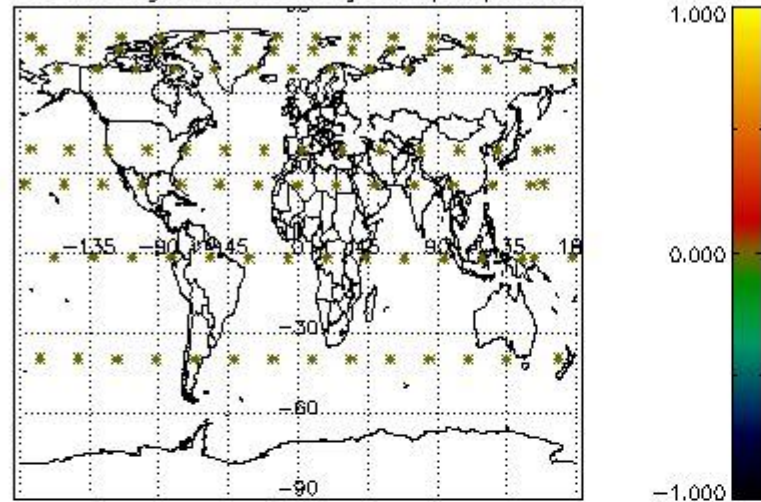
##### 4.2.1 Plot level 1 quality information per product (world map): ENVISAT ASCENDING passes



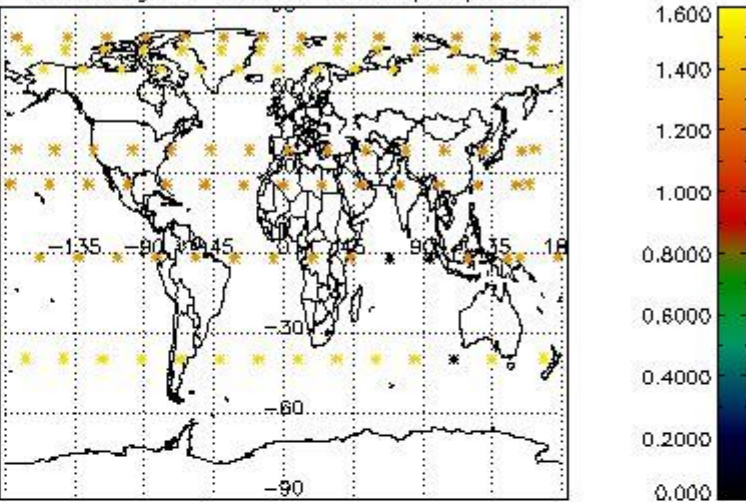
4.2.2 Plot level 1 quality information per product (world map): ENVISAT DESCENDING passes



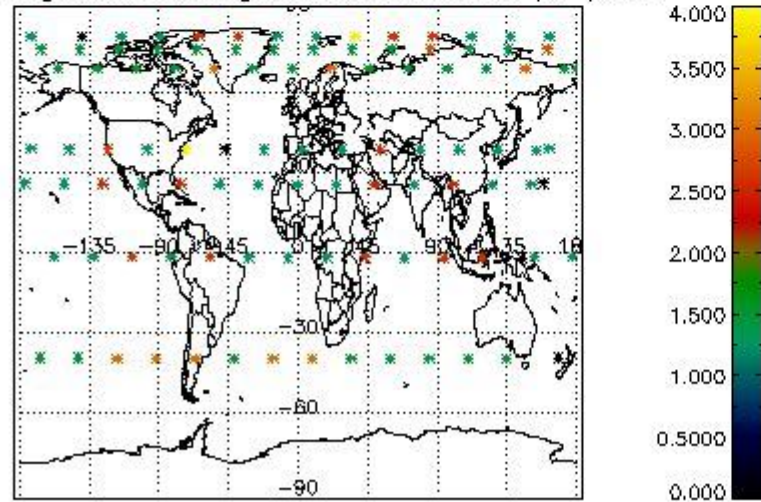
Percentage of cosmic ray hits per profile



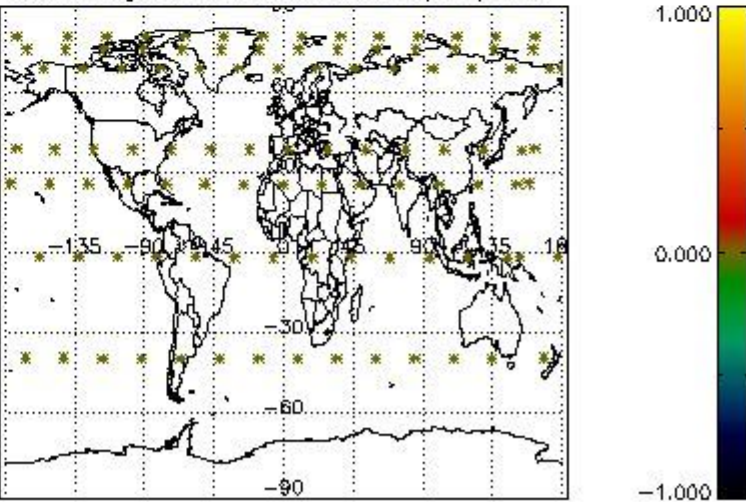
Percentage of datation errors per profile



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.

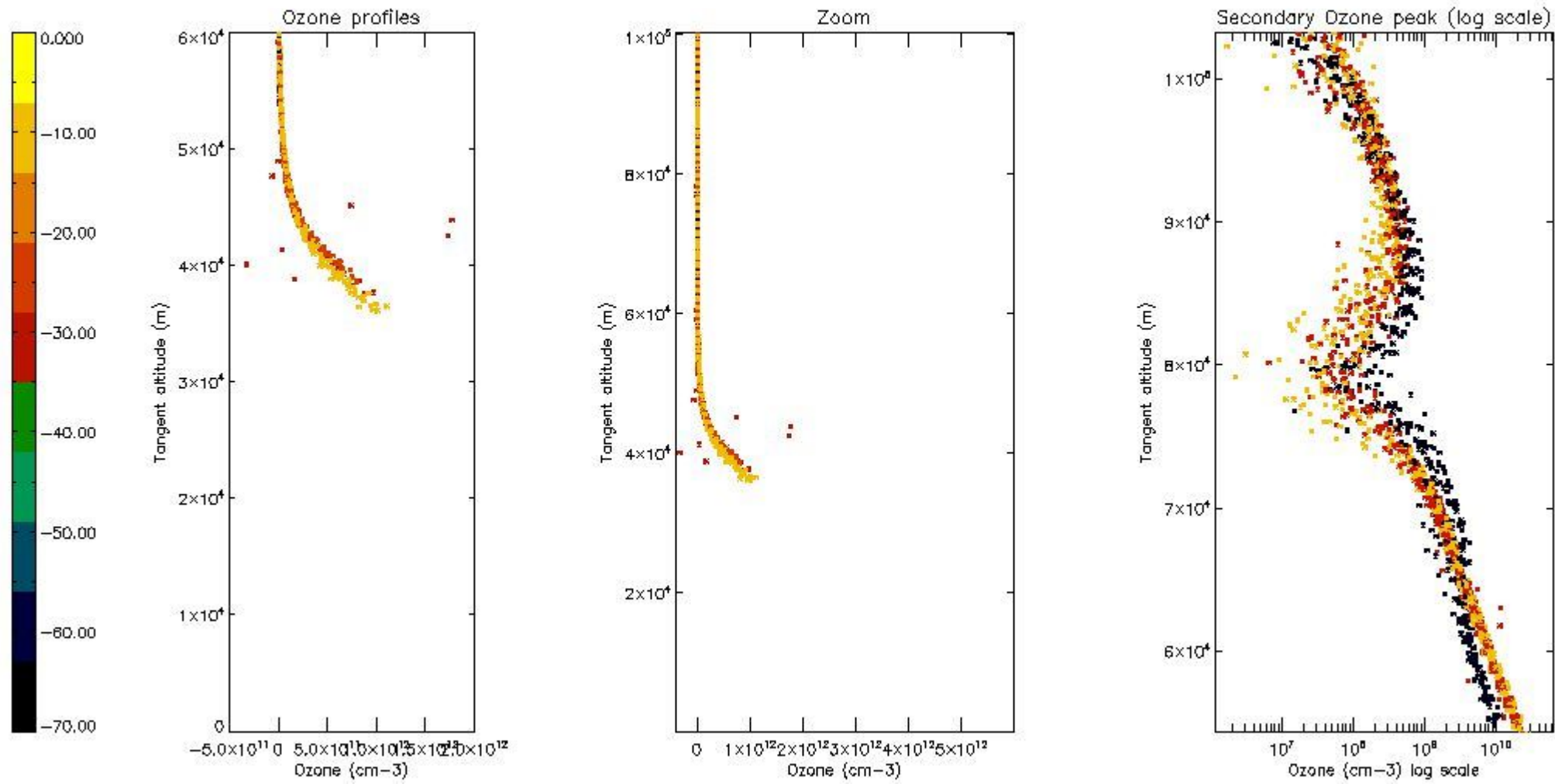
Criteria	% of total production
All STD	23
STD < 20	11



STD < 10	9
STD < 5	6

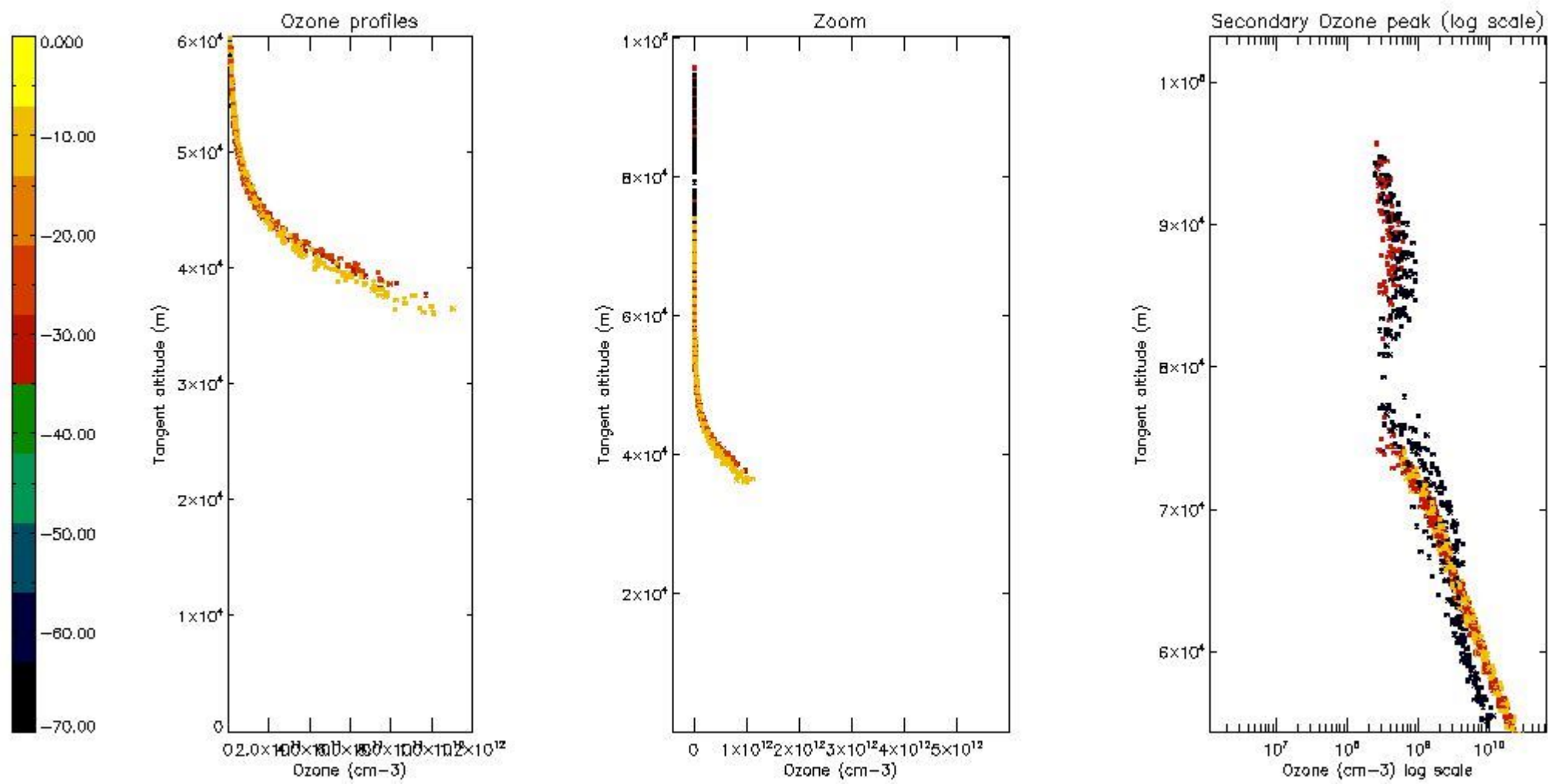
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



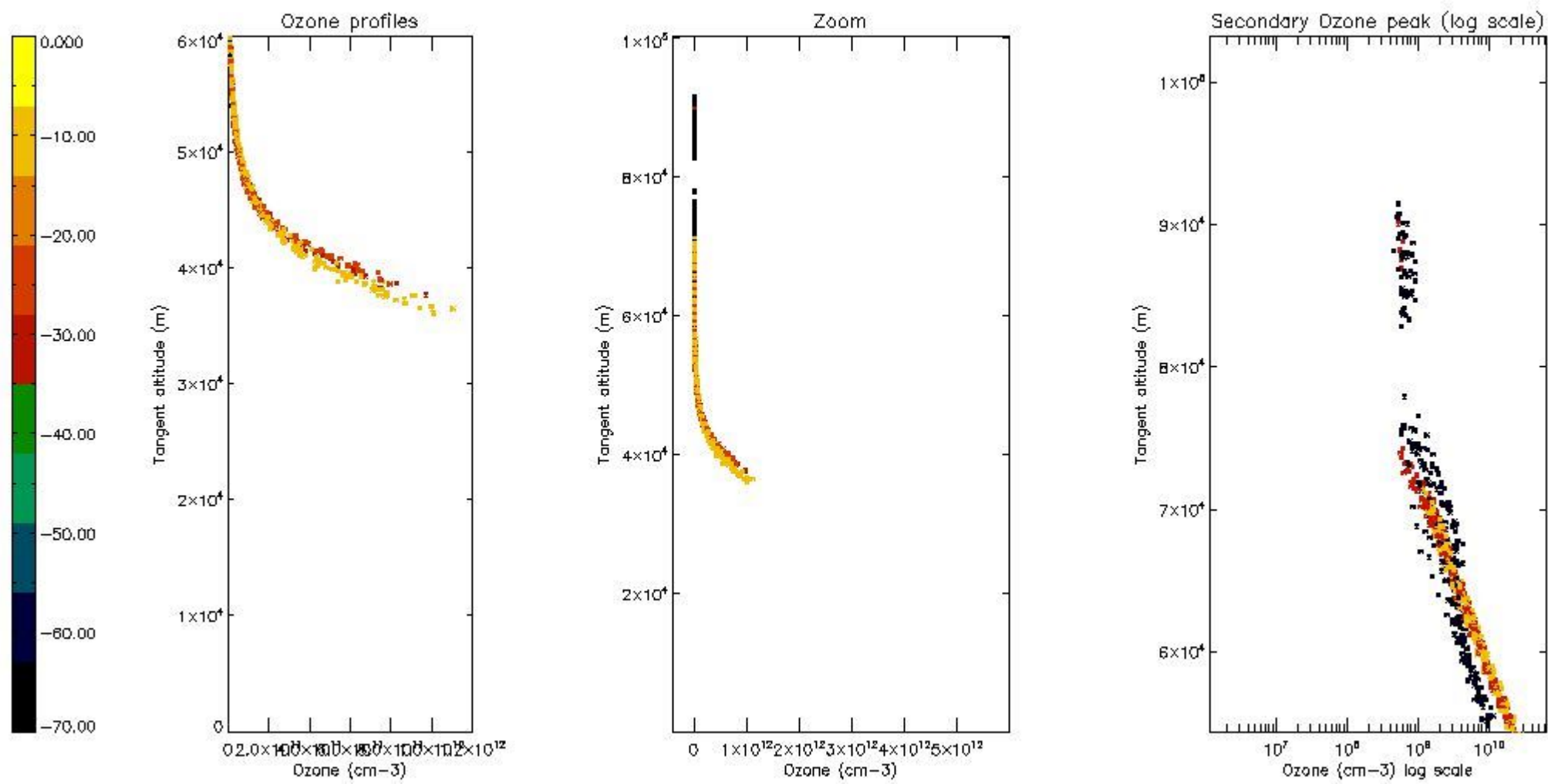
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



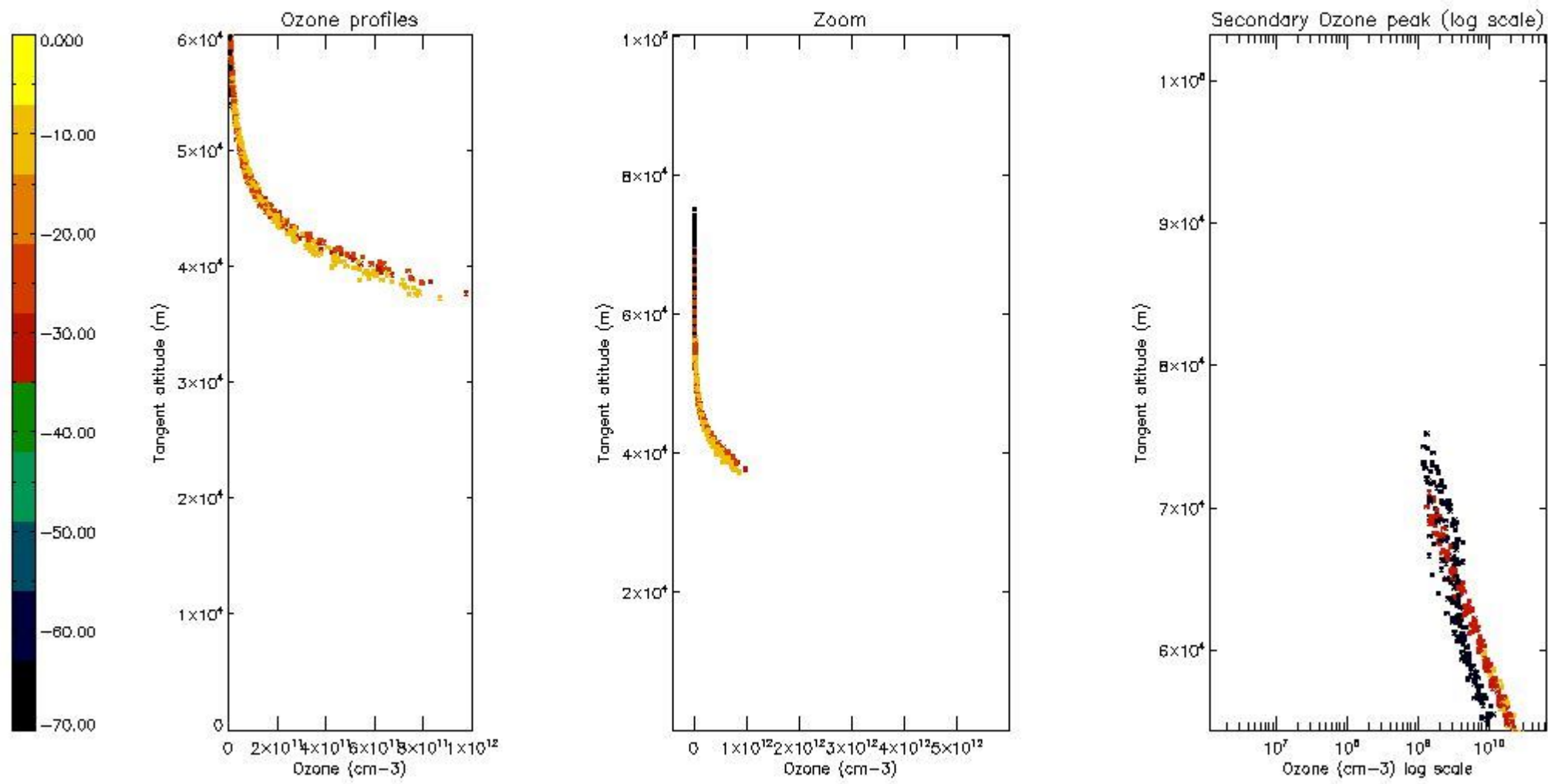
*5.4 Plot ozone profiles where STD < 10% (dark without errors)*

The colorbar represents the latitude.



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

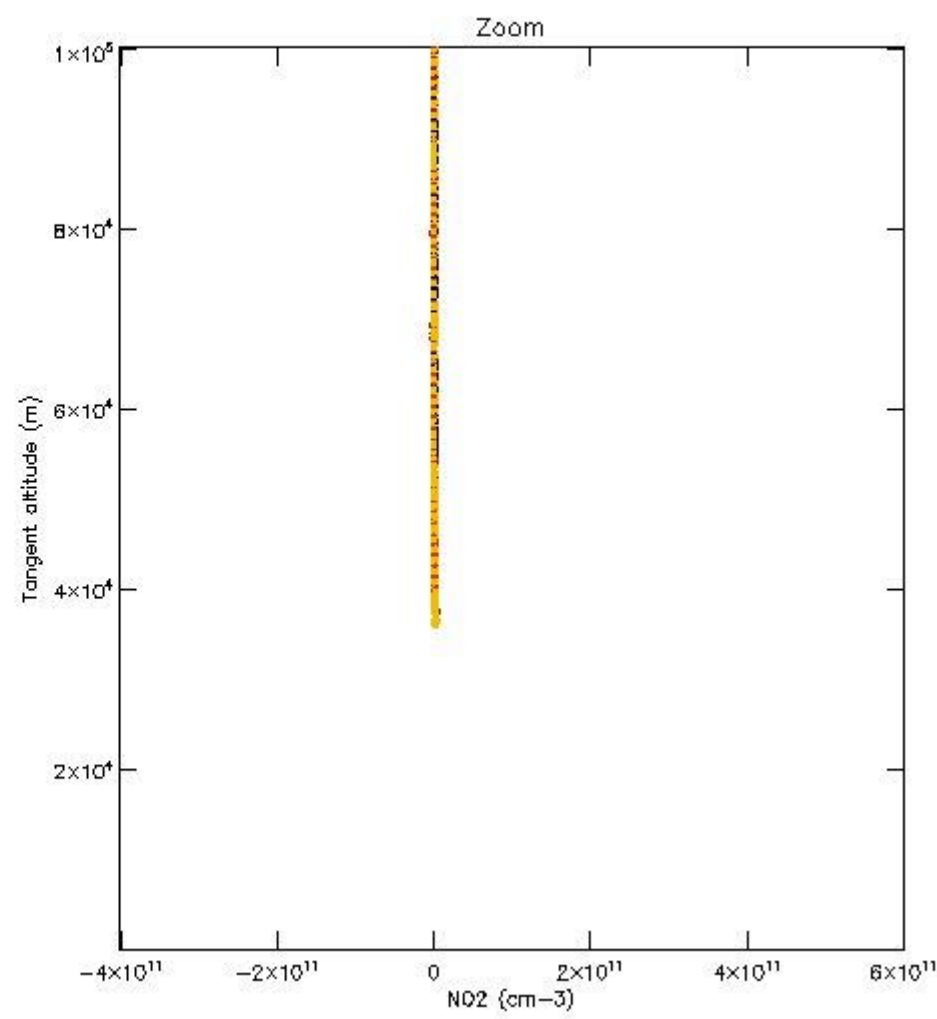
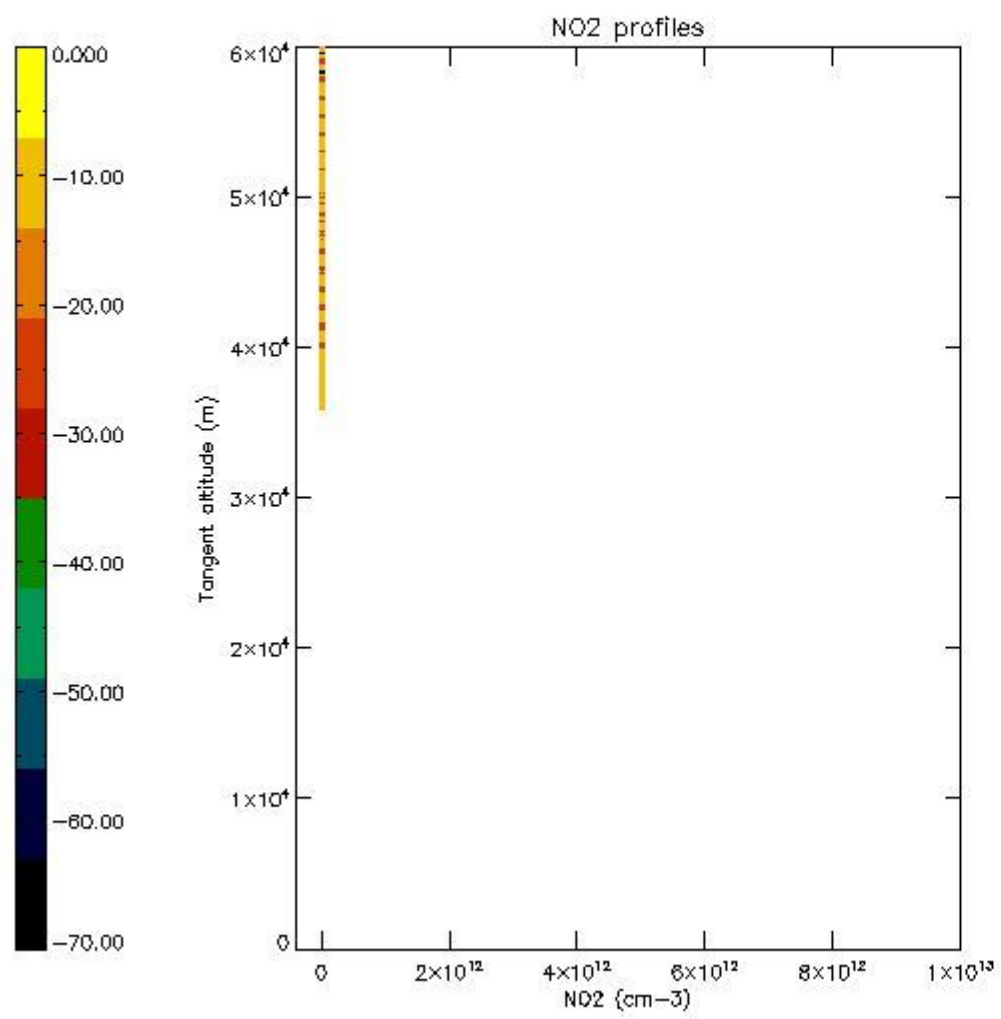
The colorbar represents the latitude.



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

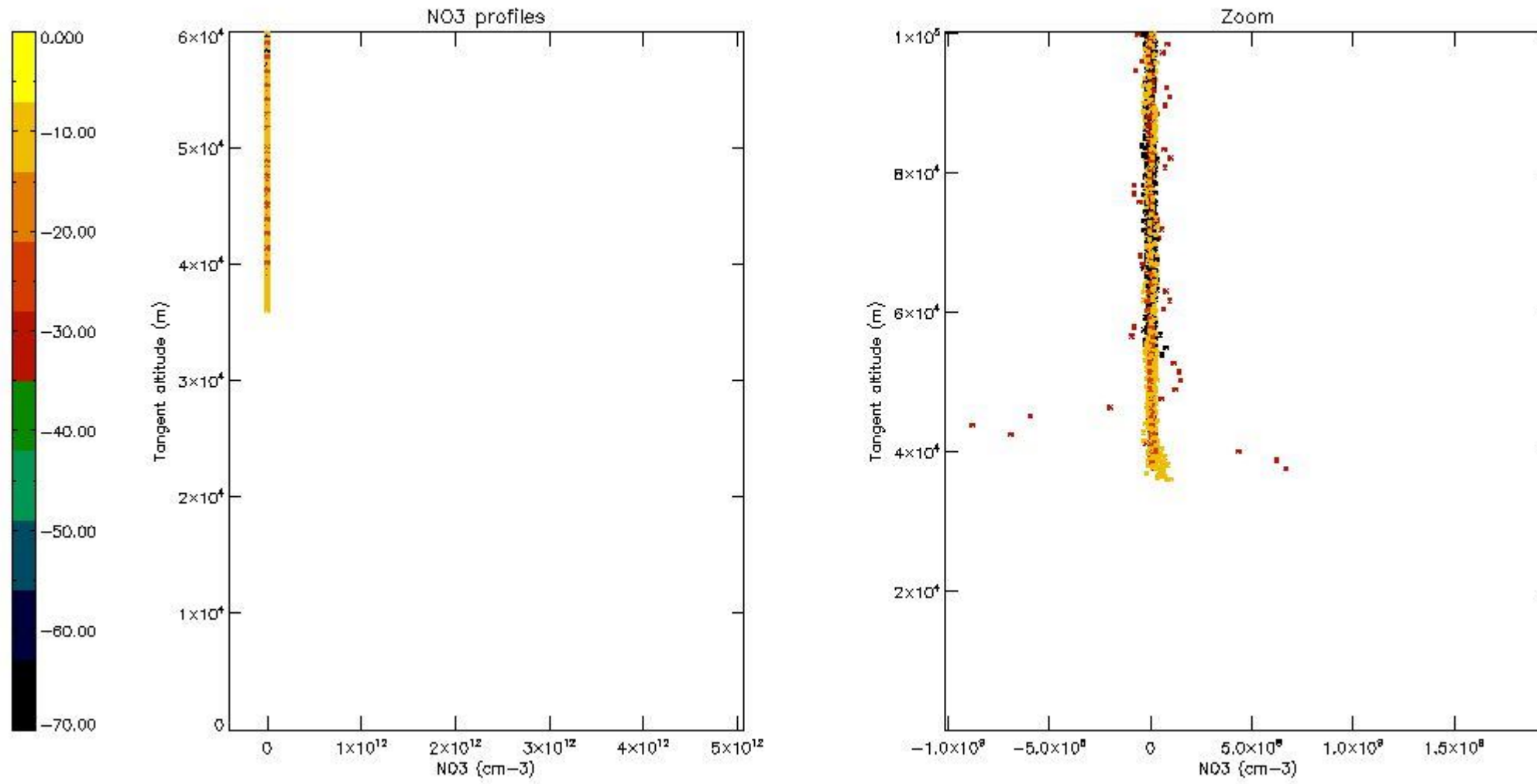
The colorbar represents the latitude.





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

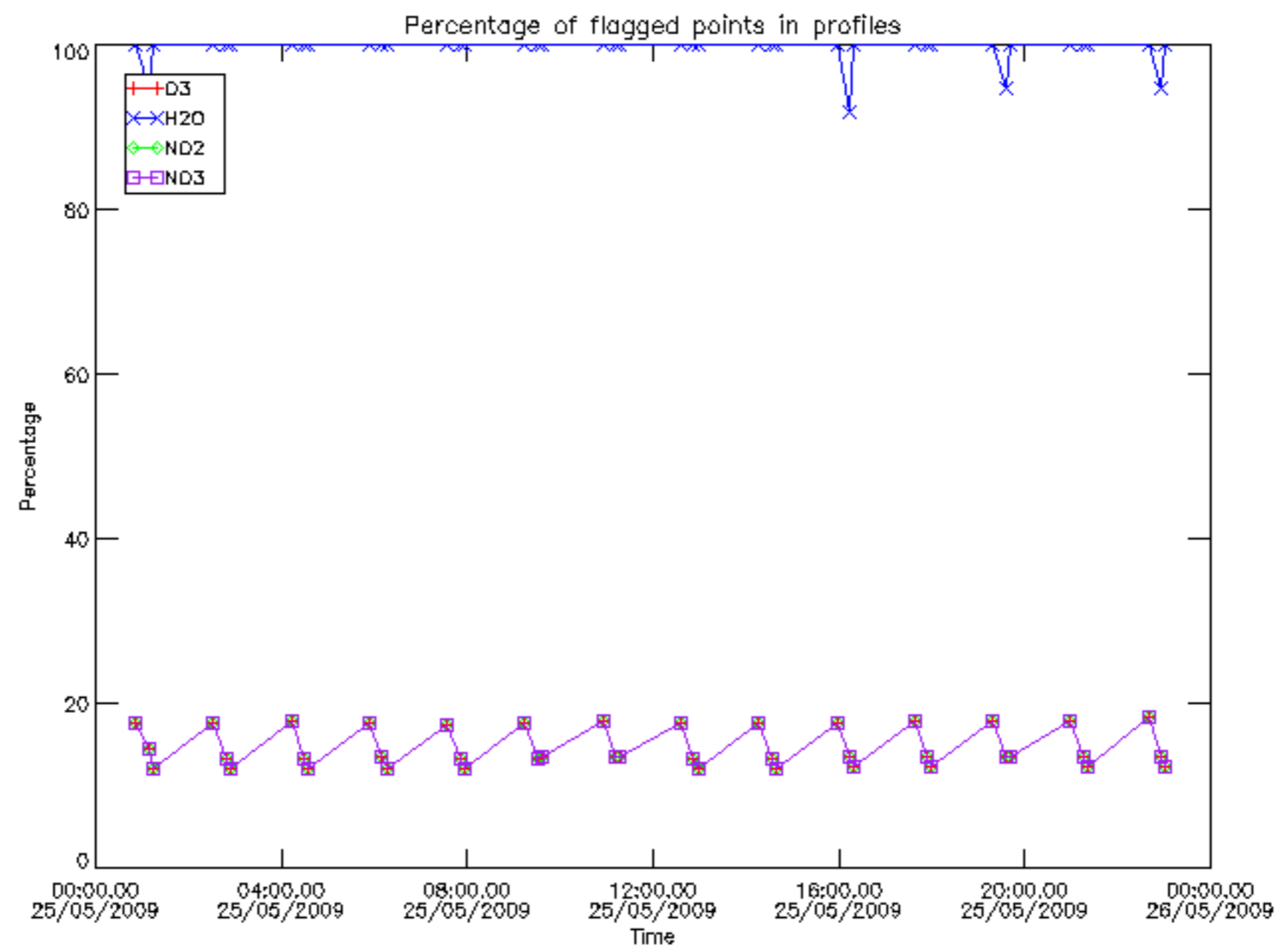
The colorbar represents the latitude.



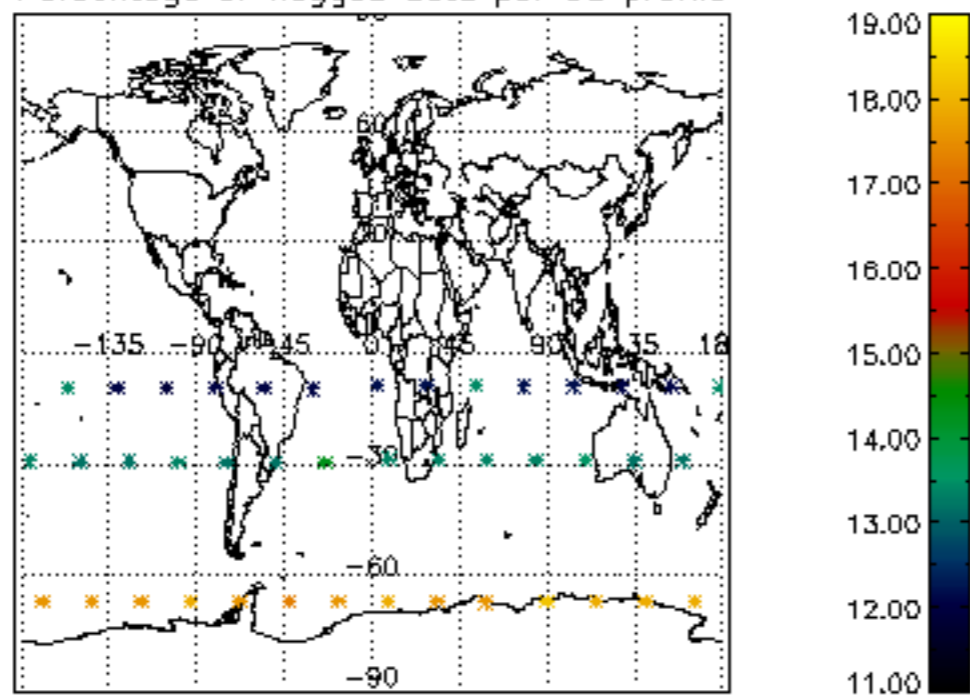
## 6. Auxiliary Data Files used for the production reported in section 2

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

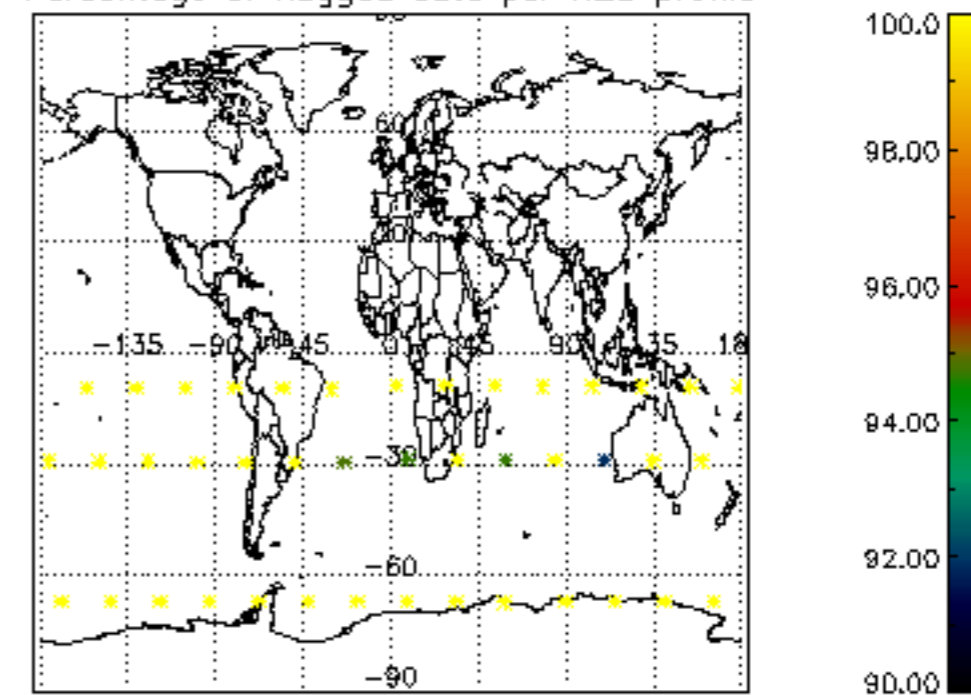
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	25-MAY-2009 00:02:06
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	25-MAY-2009 00:02:06
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	25-MAY-2009 00:02:06



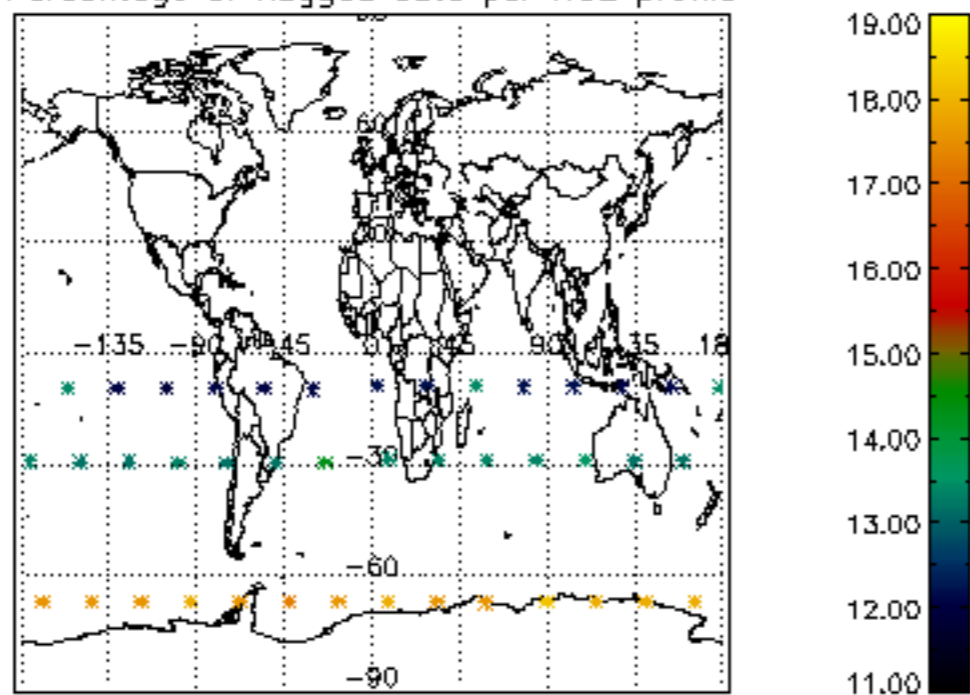
Percentage of flagged data per D3 profile



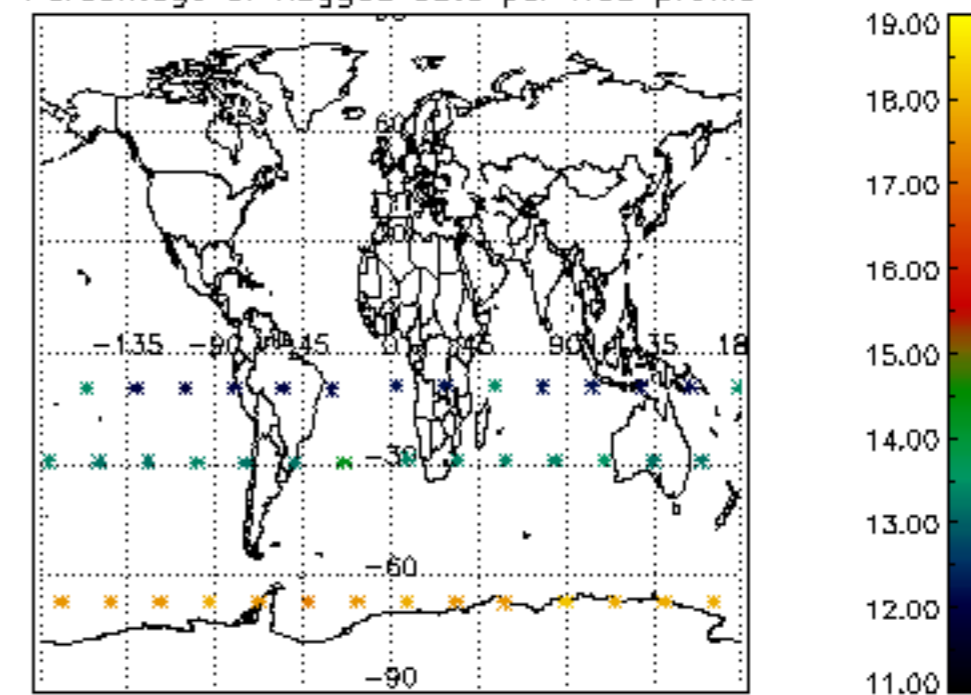
Percentage of flagged data per H2O profile



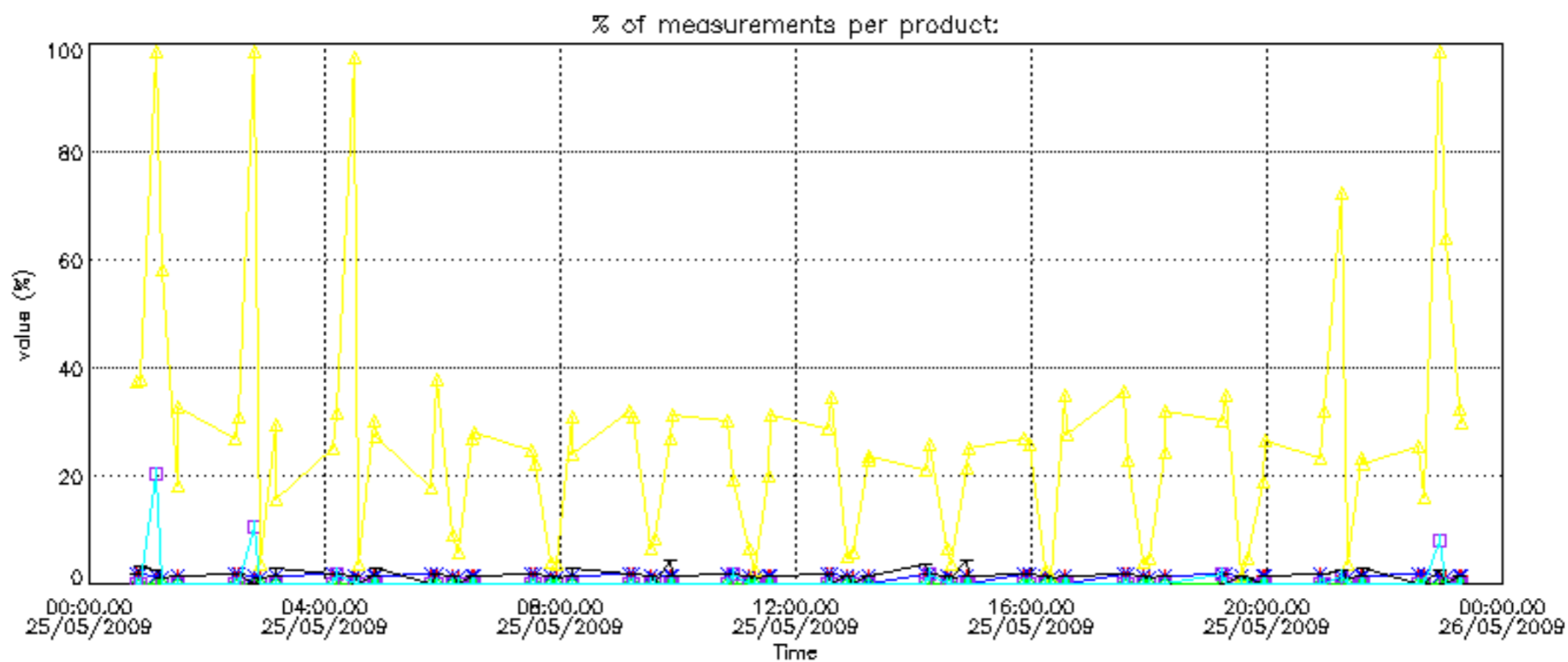
Percentage of flagged data per NO2 profile

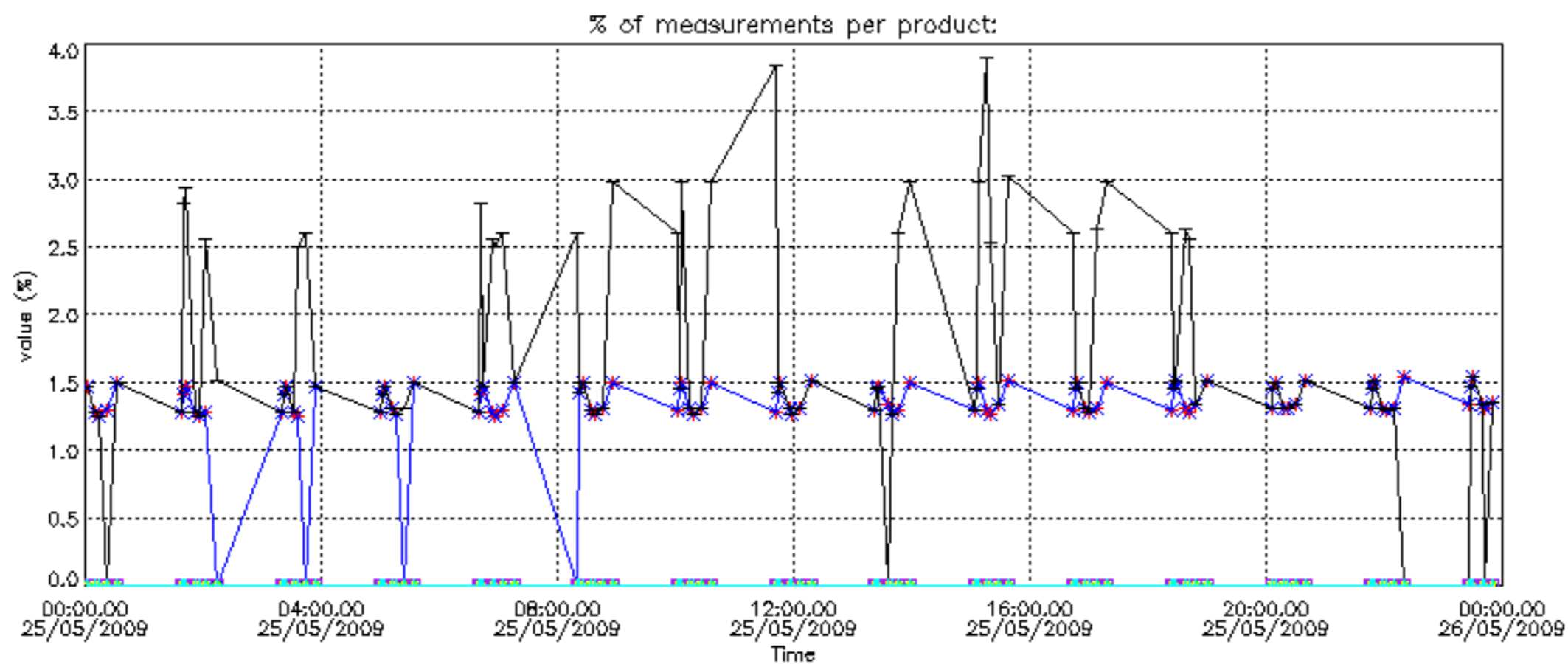


Percentage of flagged data per NO3 profile

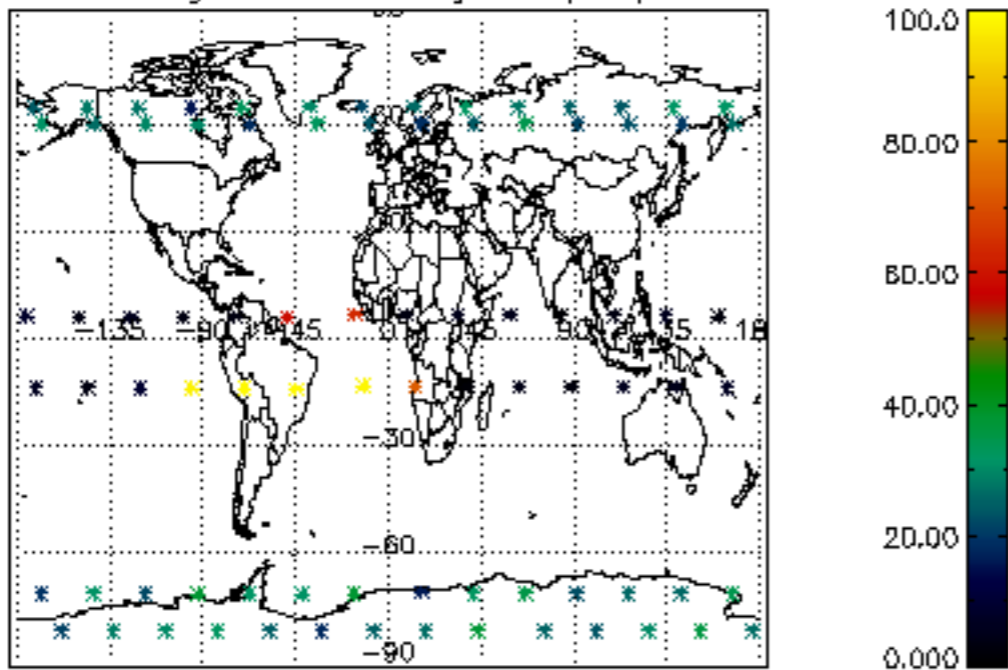




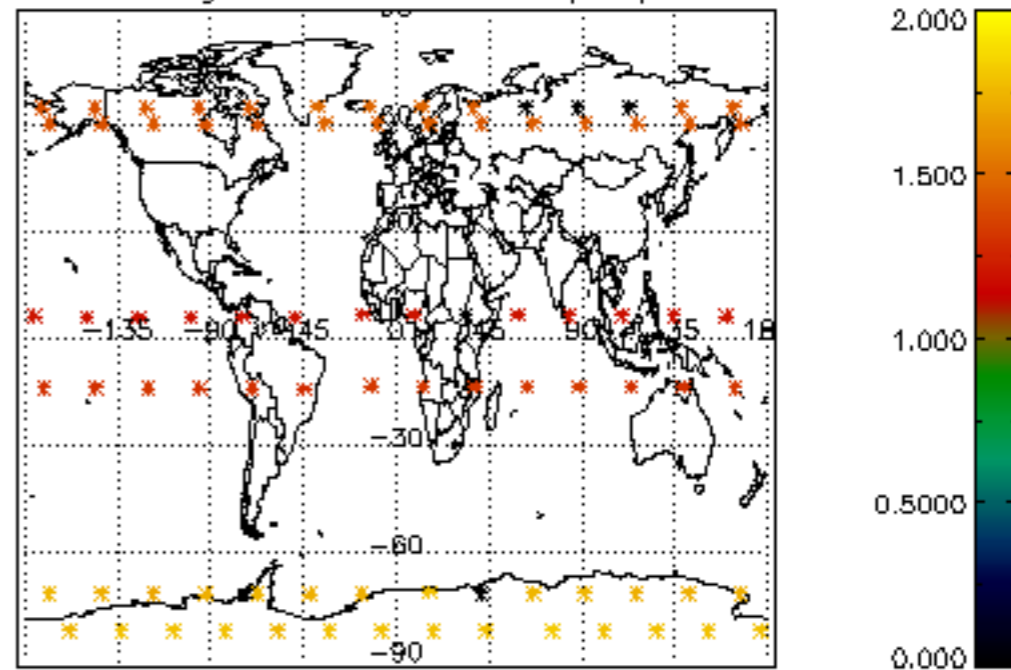




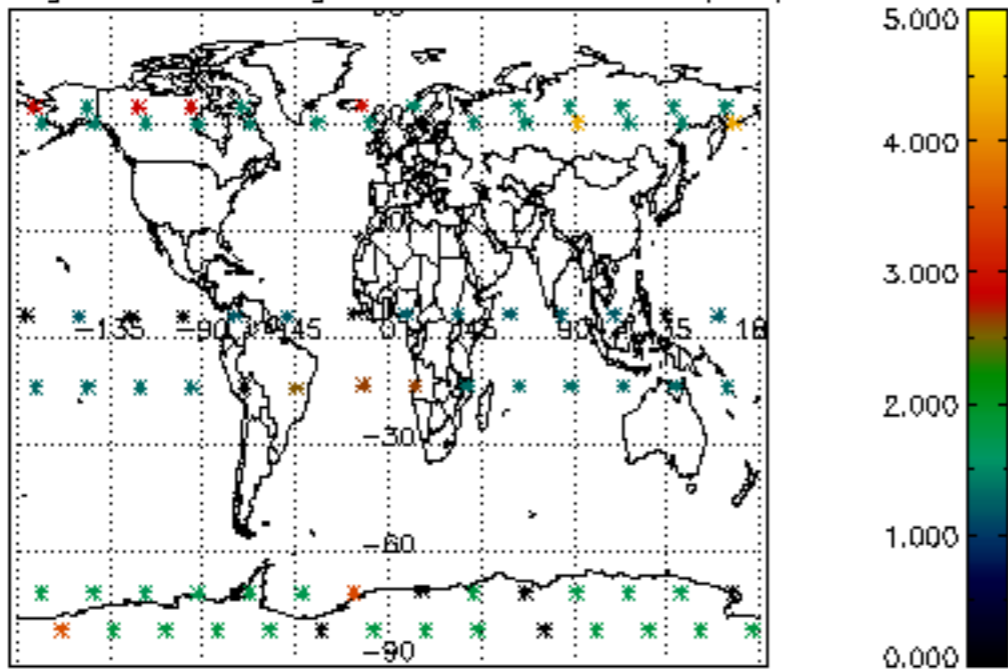
Percentage of cosmic ray hits per profile



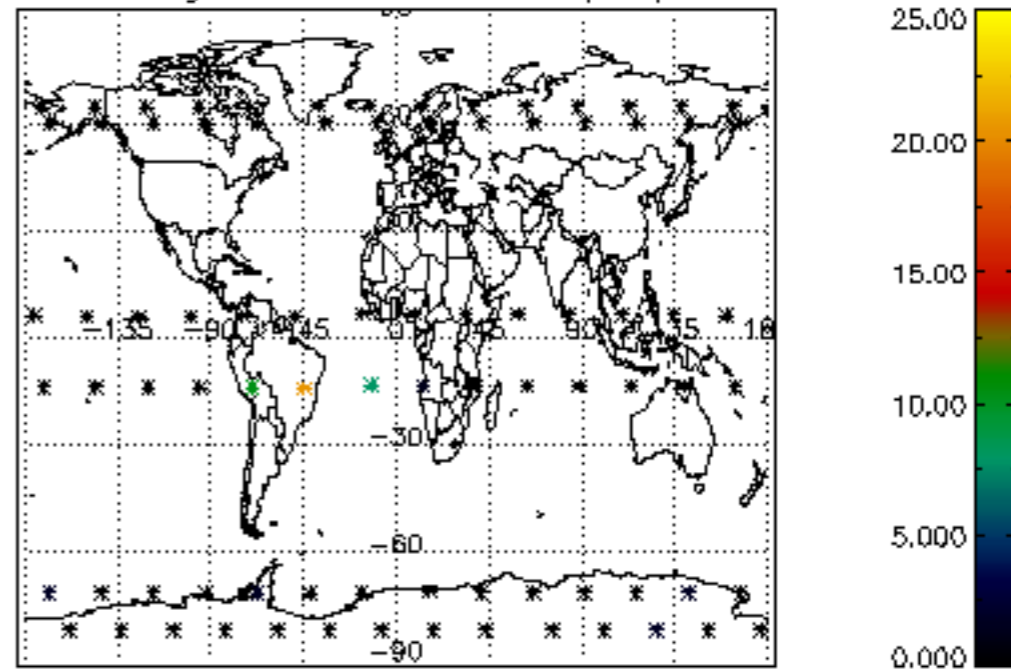
Percentage of datation errors per profile



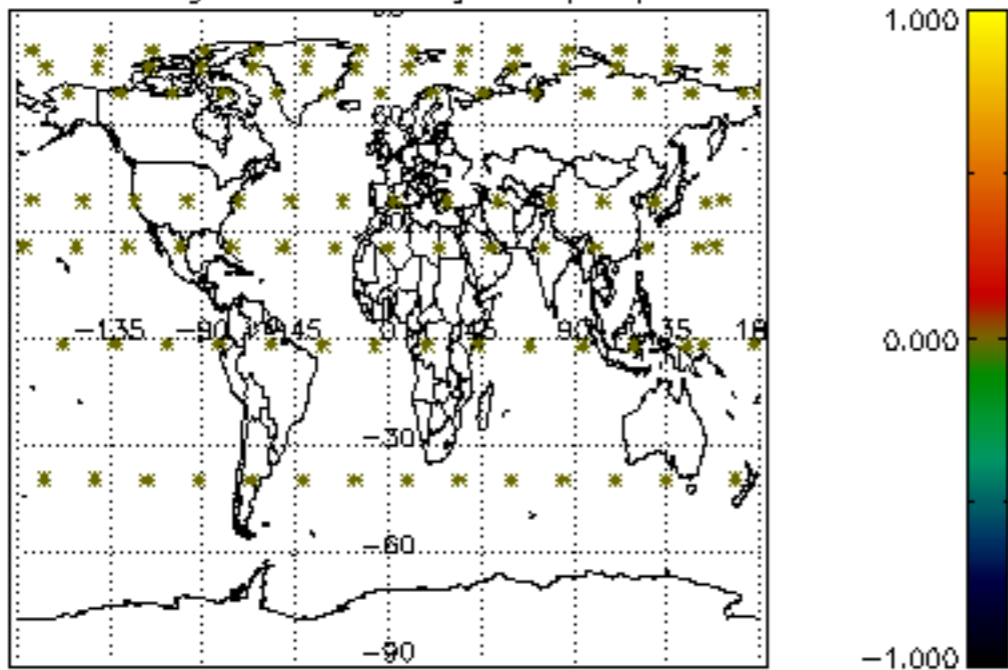
Percentage of star falling outside central band per profile



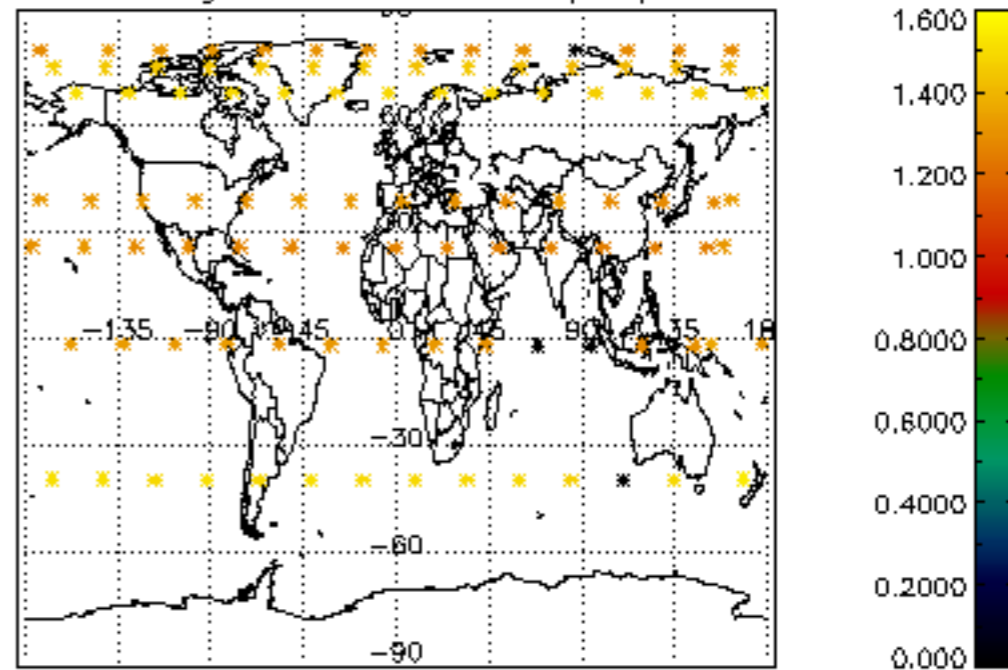
Percentage of saturation errors per profile



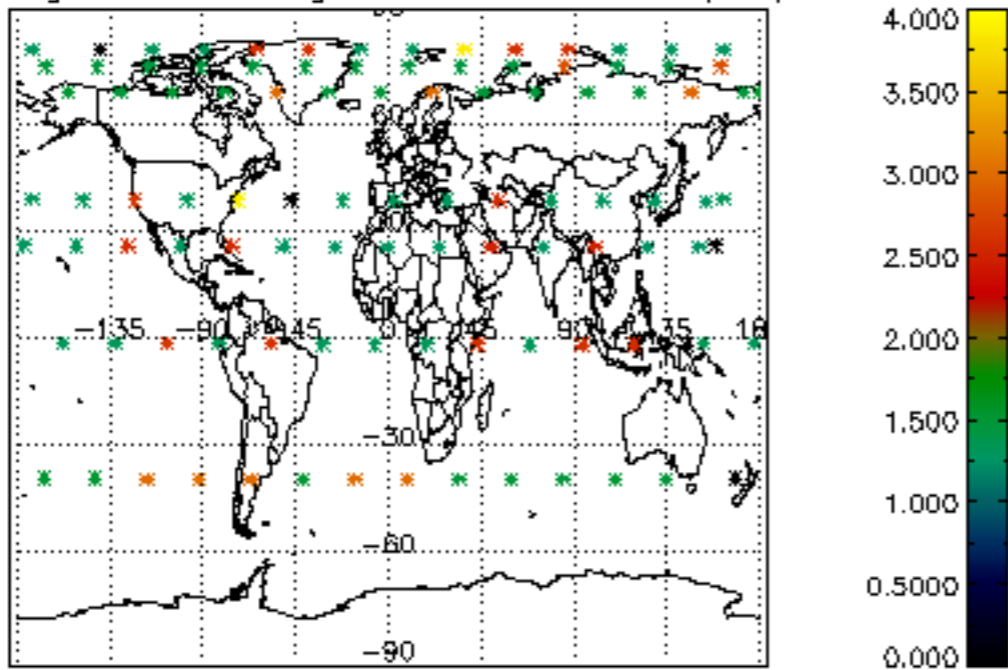
Percentage of cosmic ray hits per profile



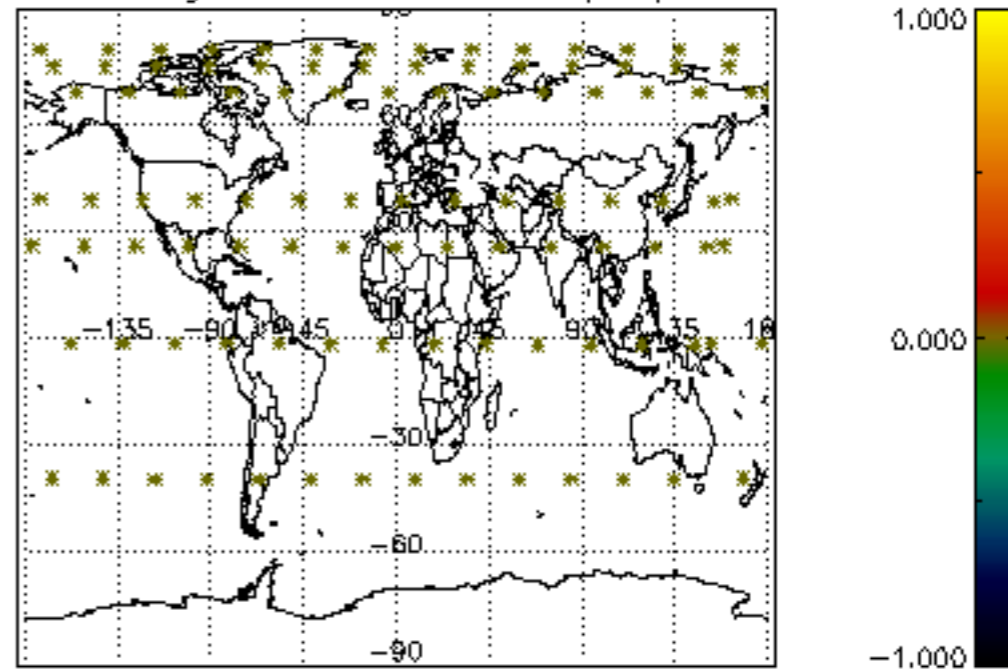
Percentage of datation errors per profile



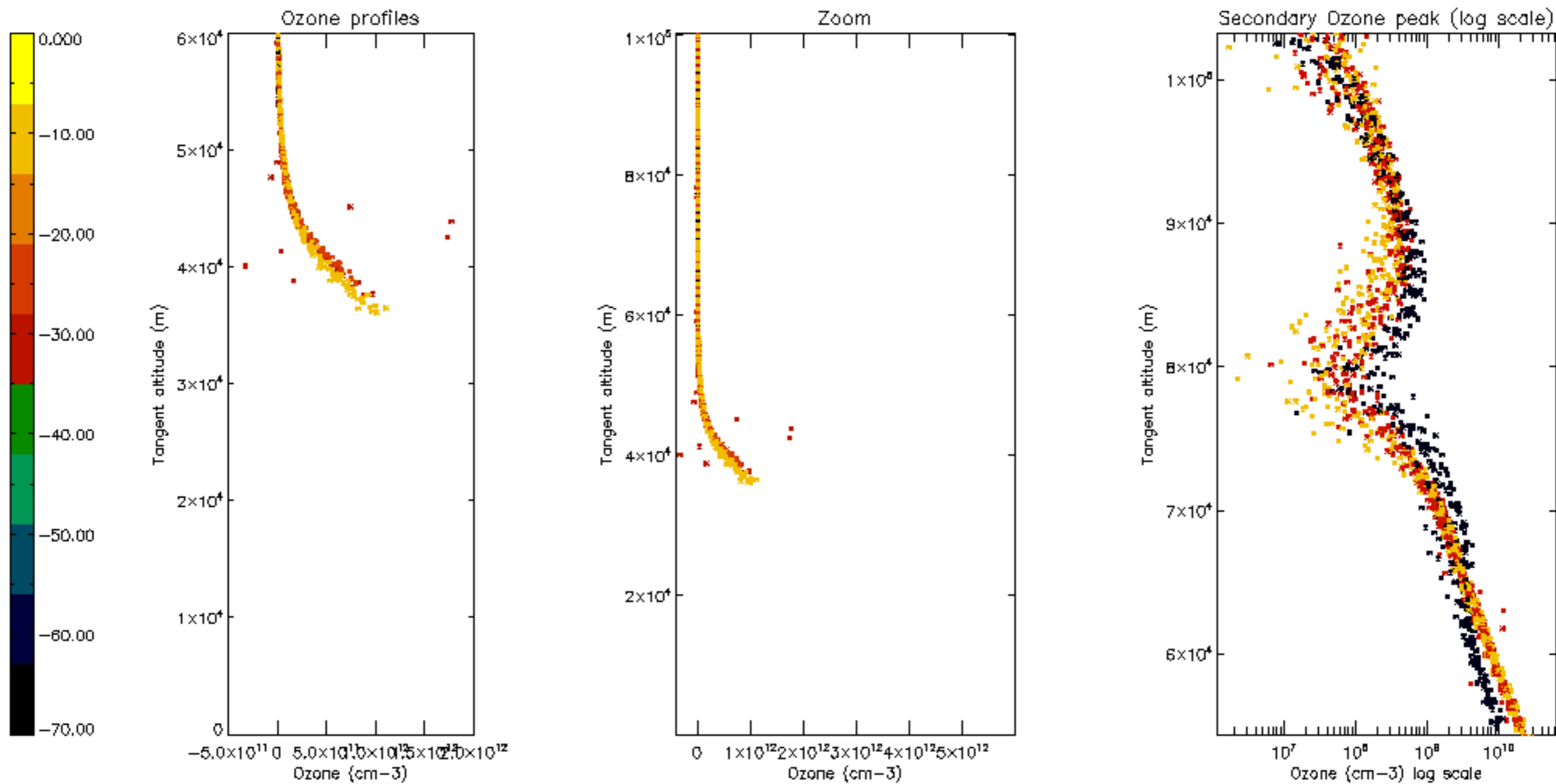
Percentage of star falling outside central band per profile

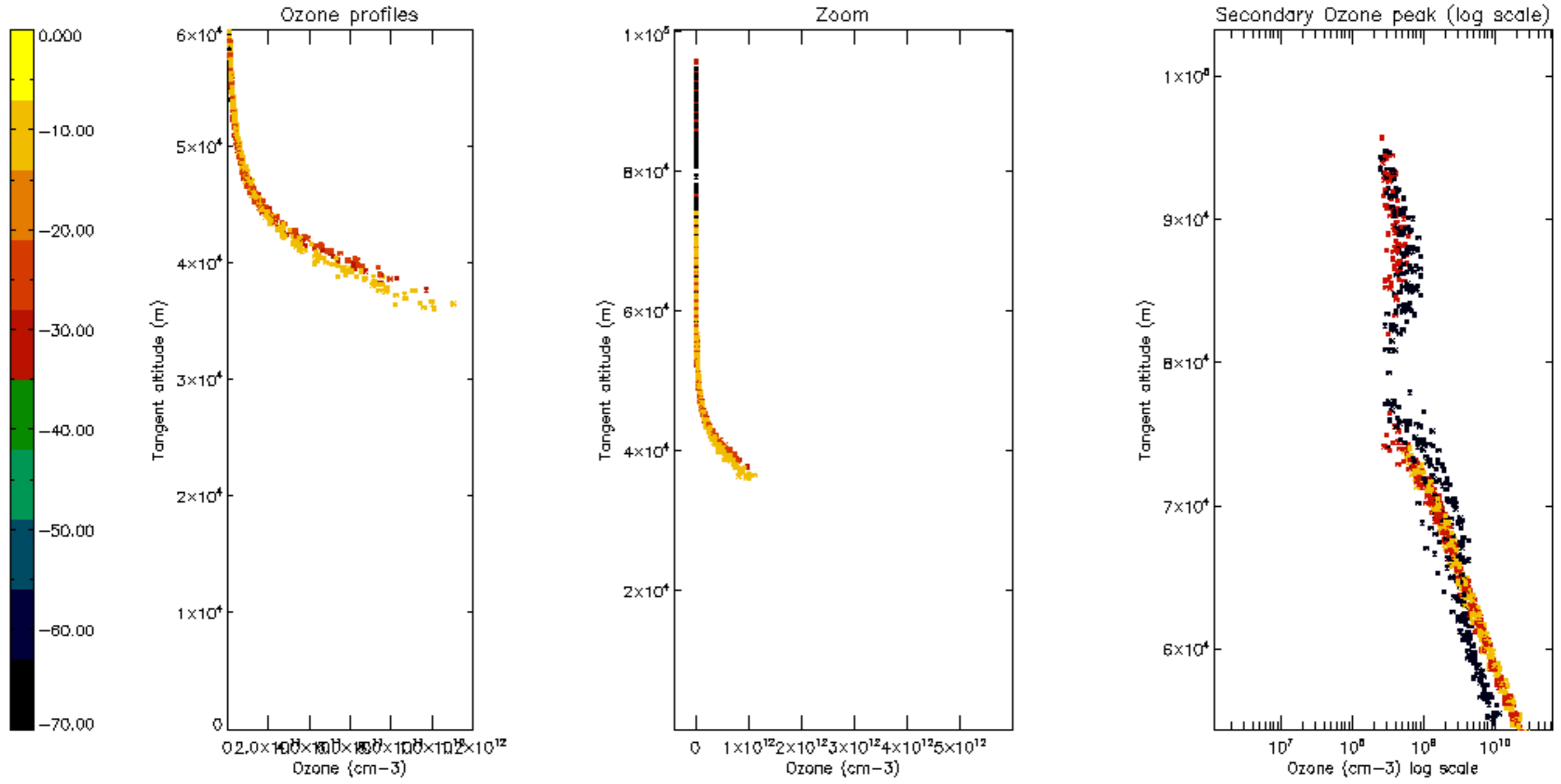


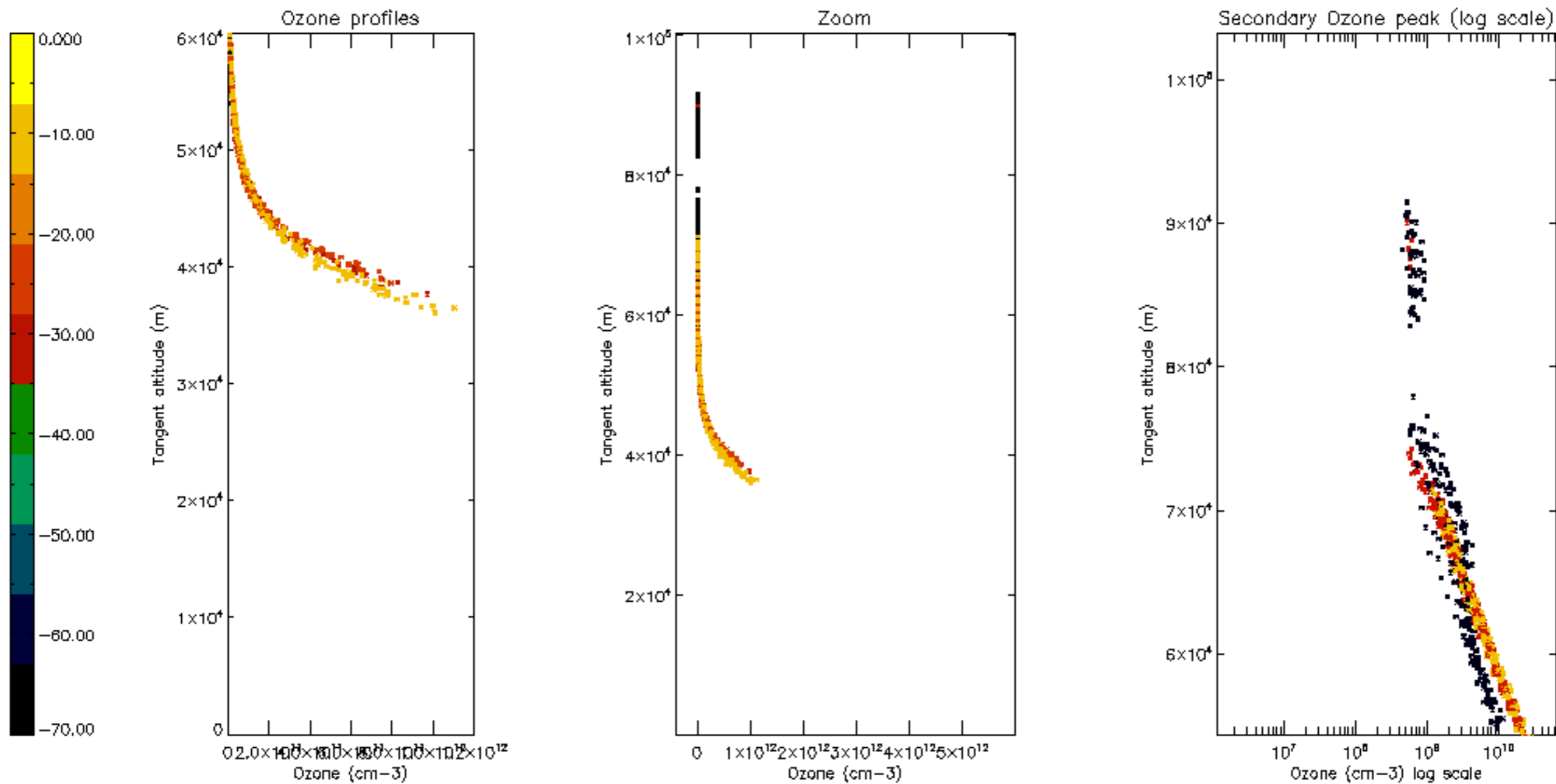
Percentage of saturation errors per profile

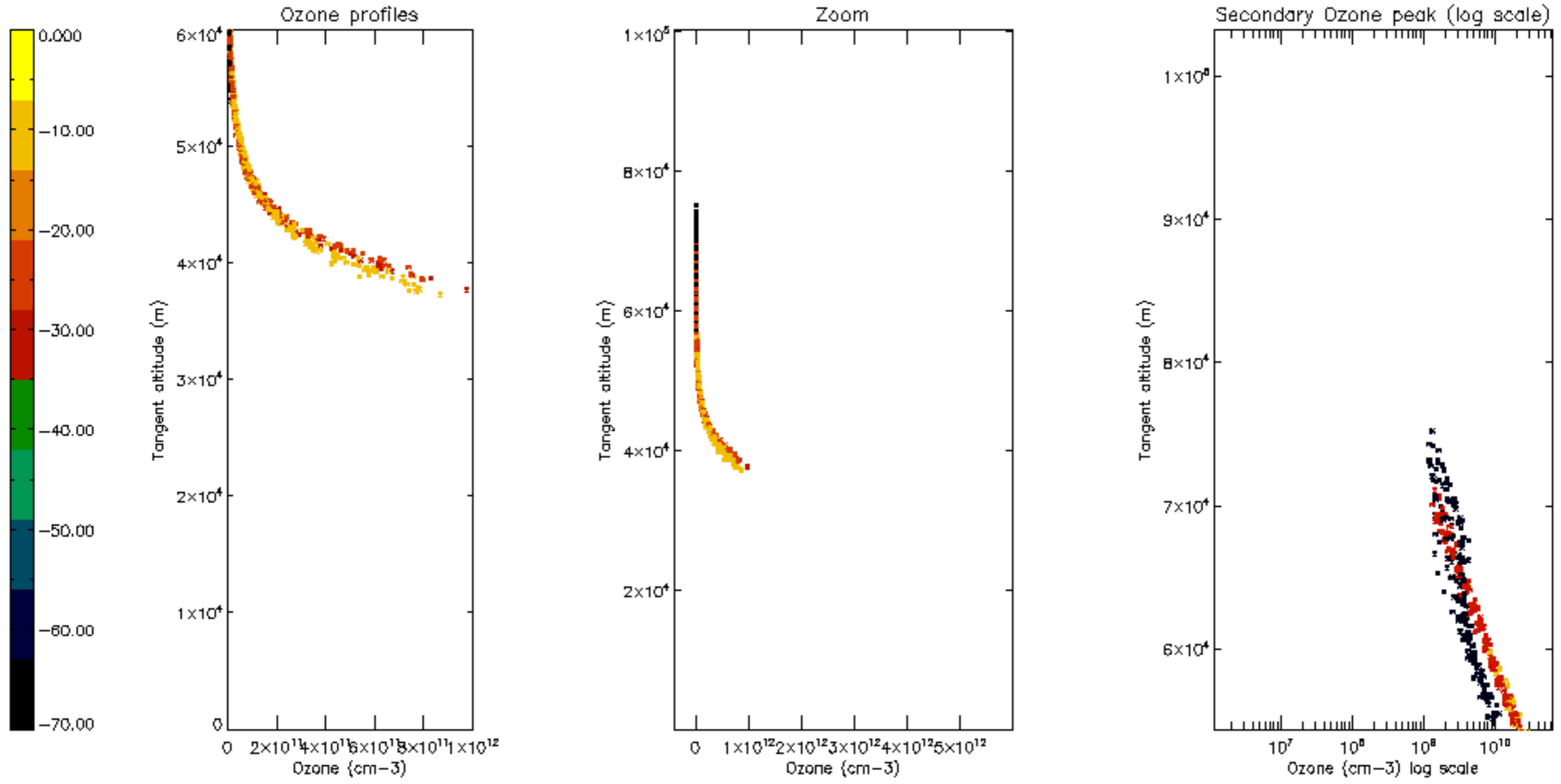




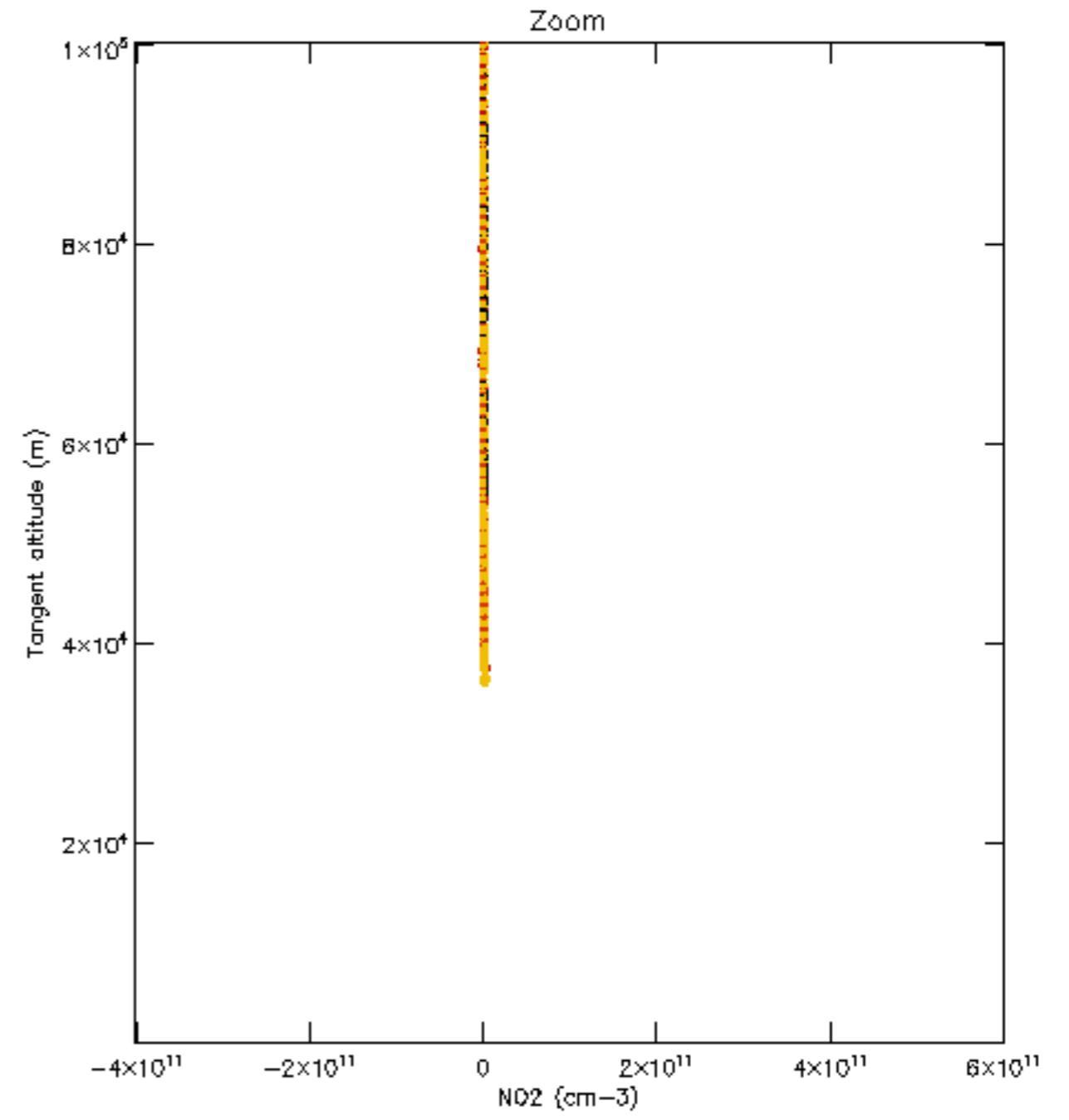
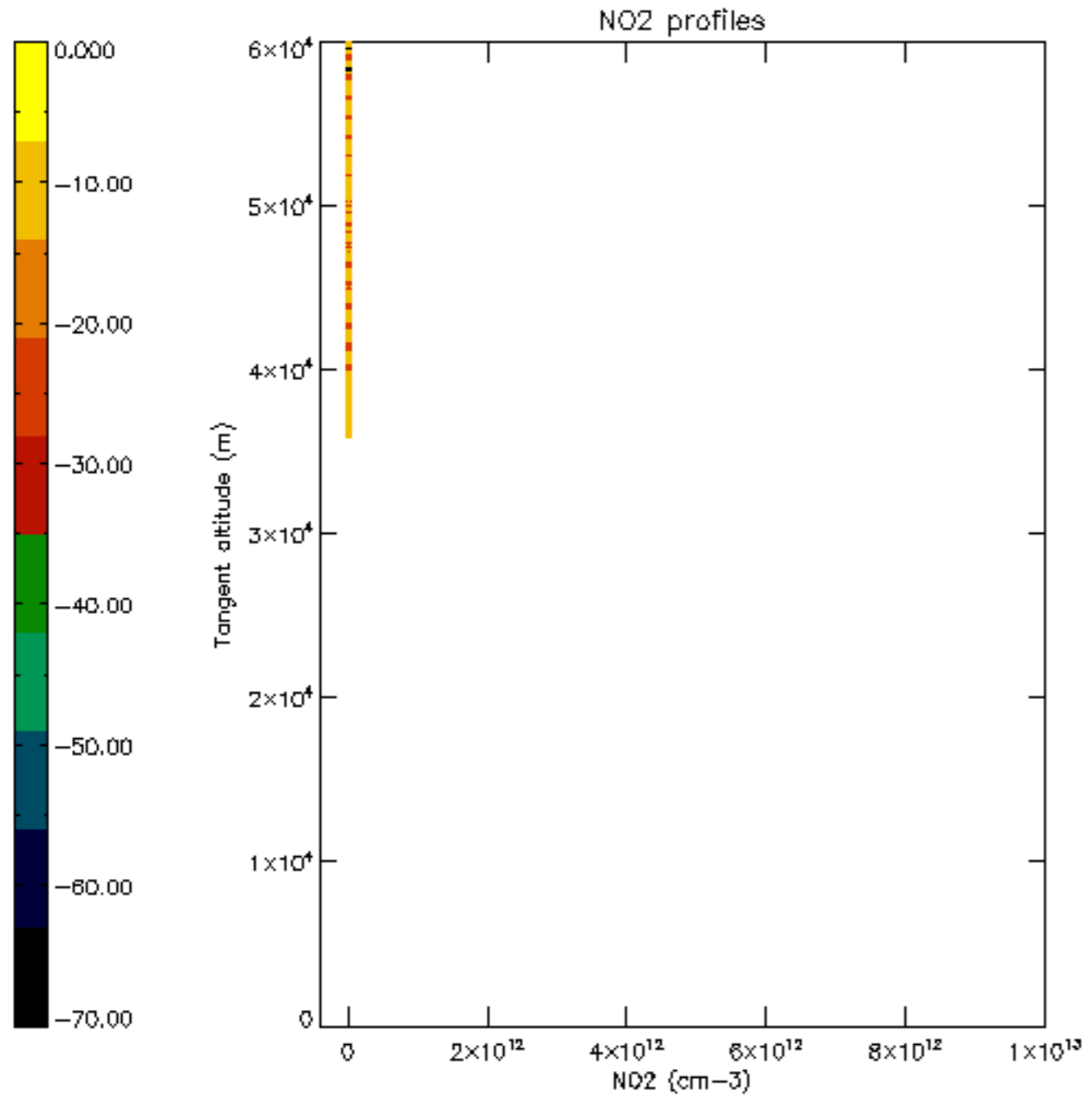


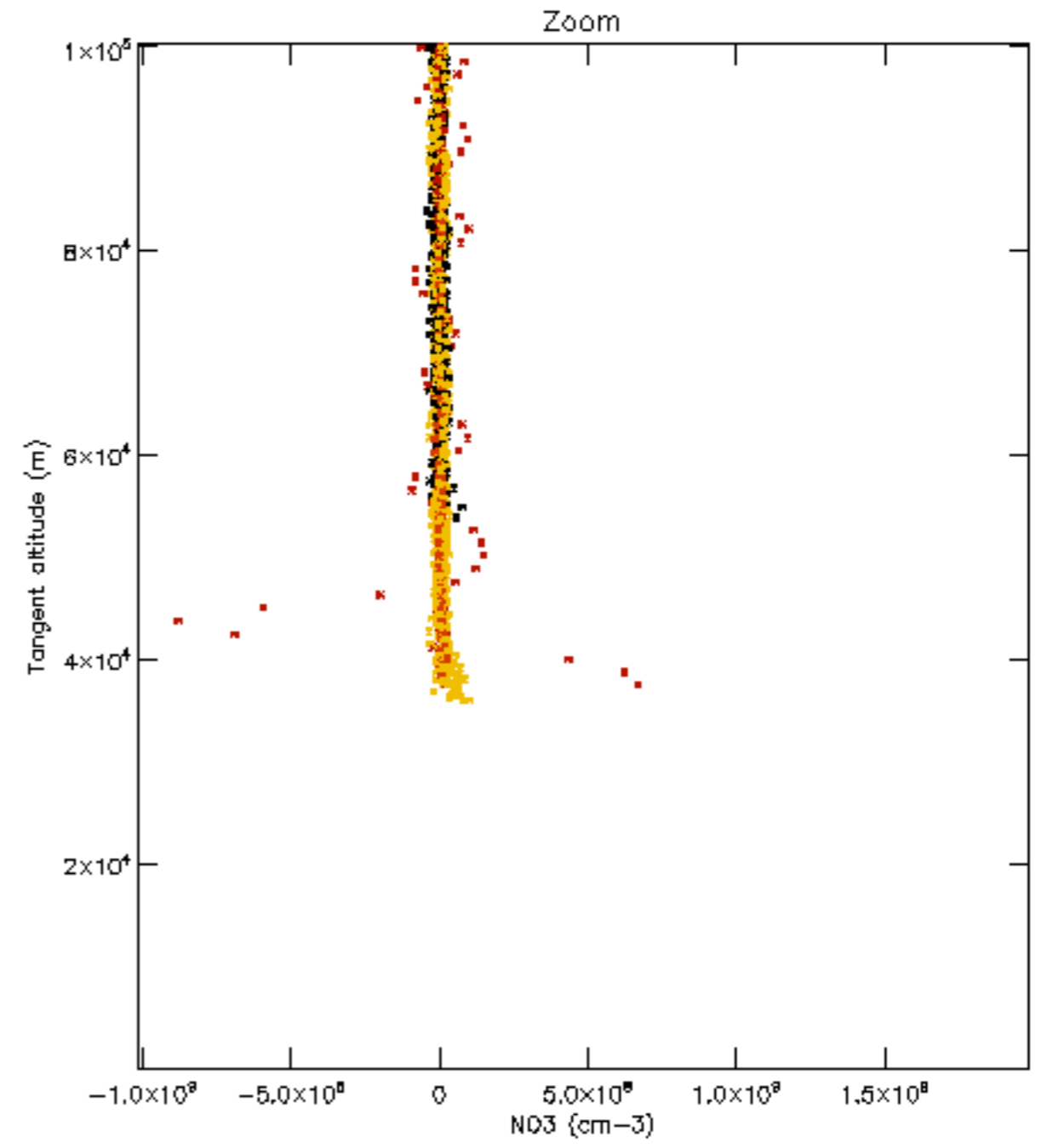
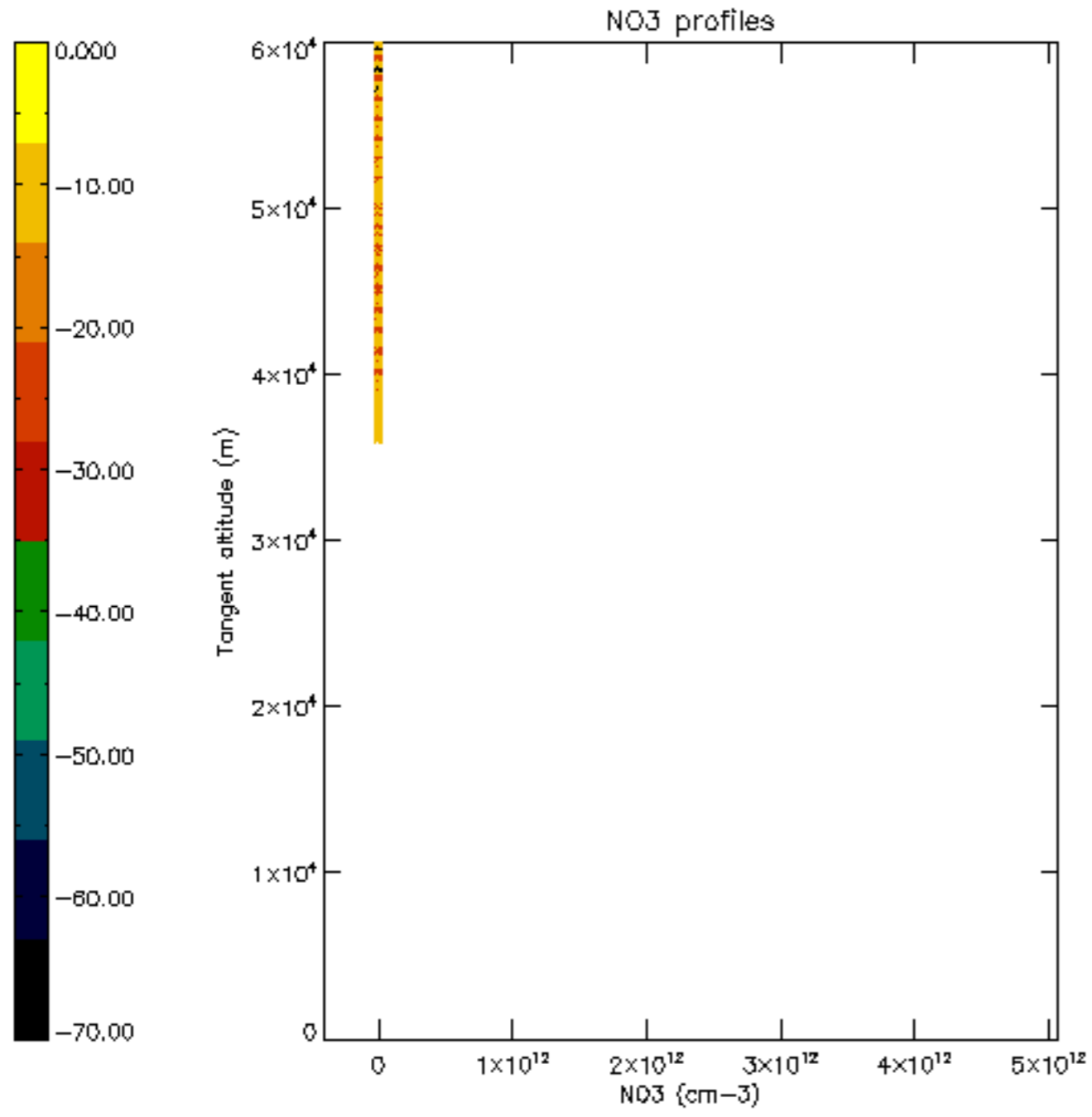


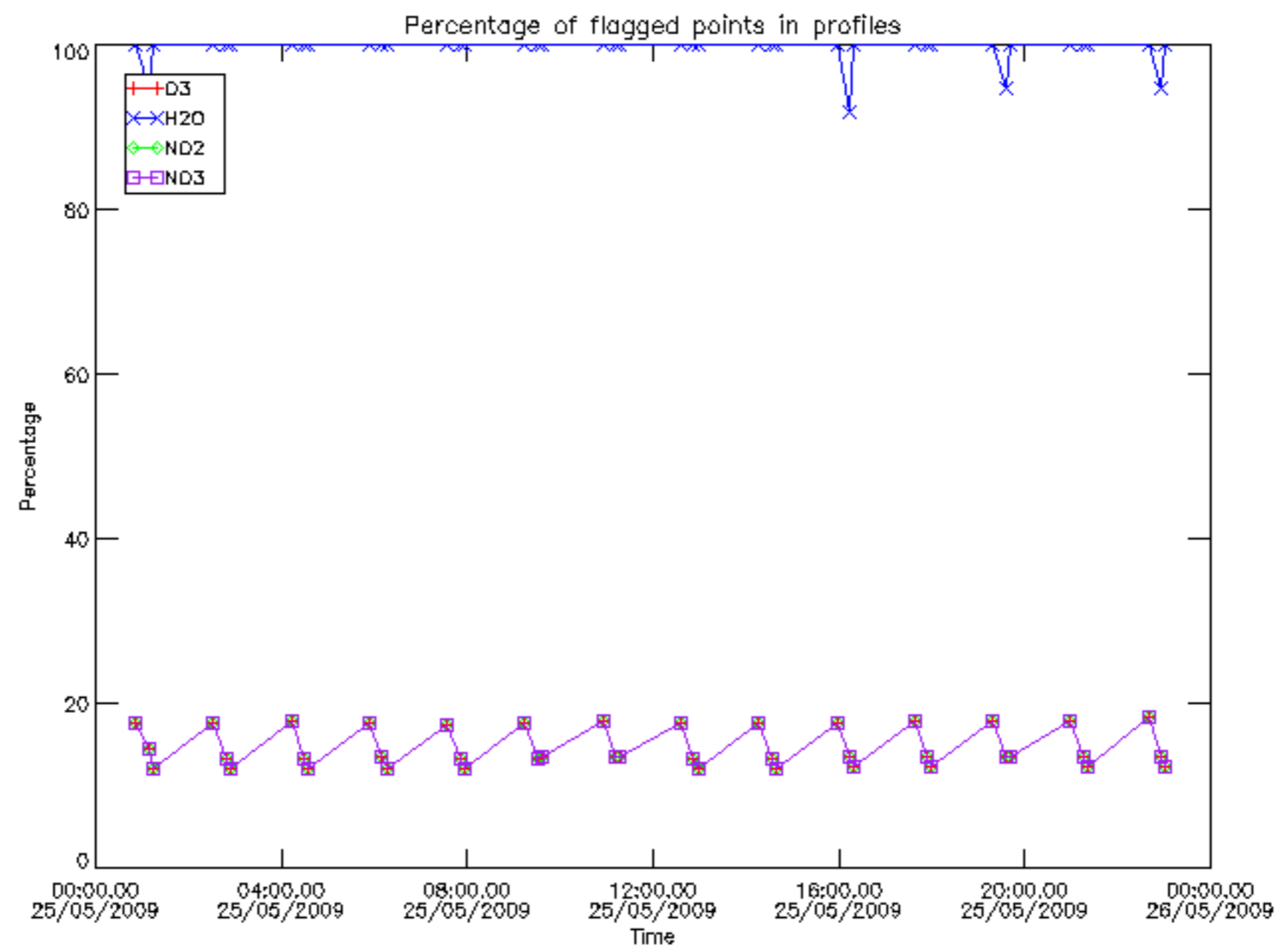




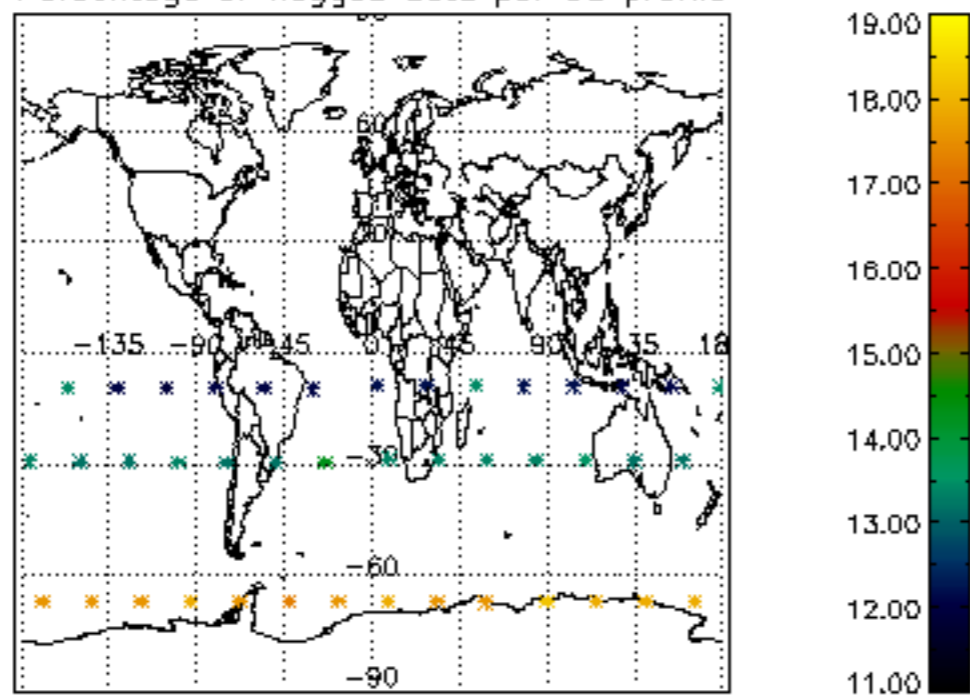




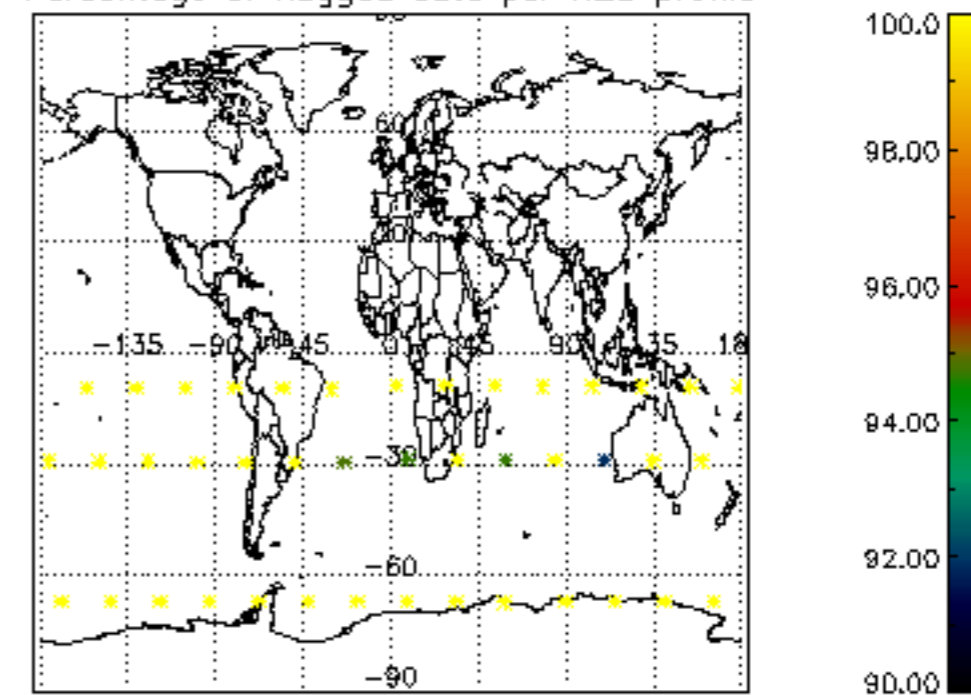




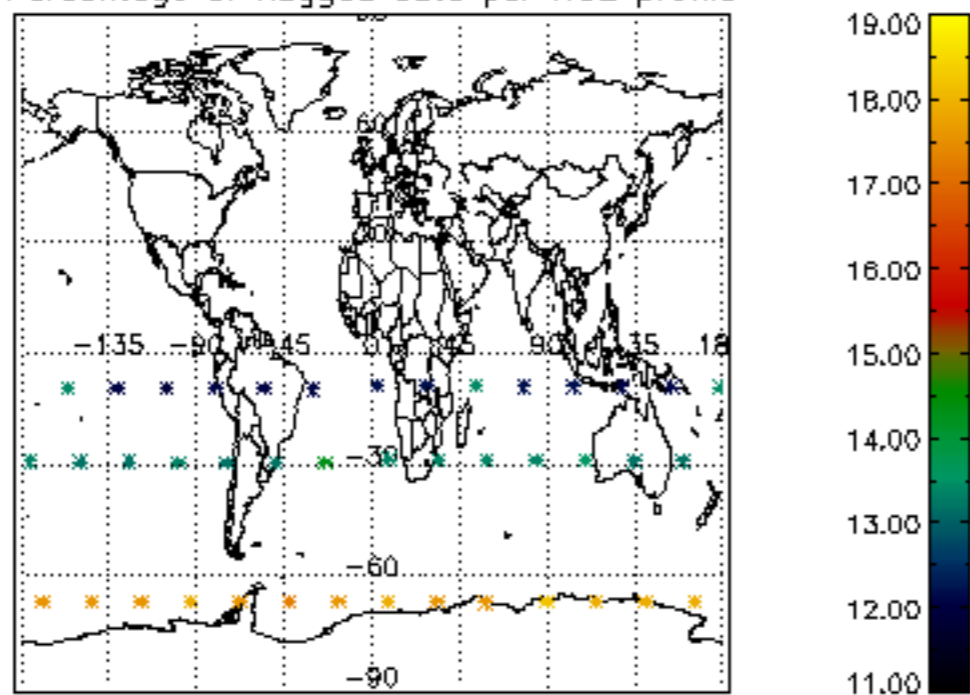
Percentage of flagged data per D3 profile



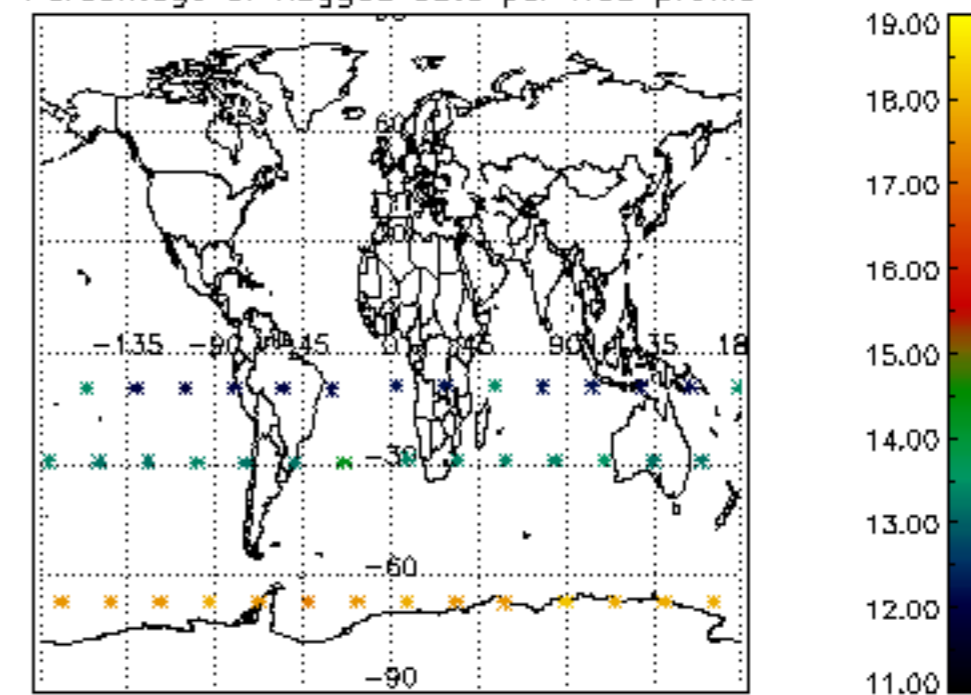
Percentage of flagged data per H2O profile



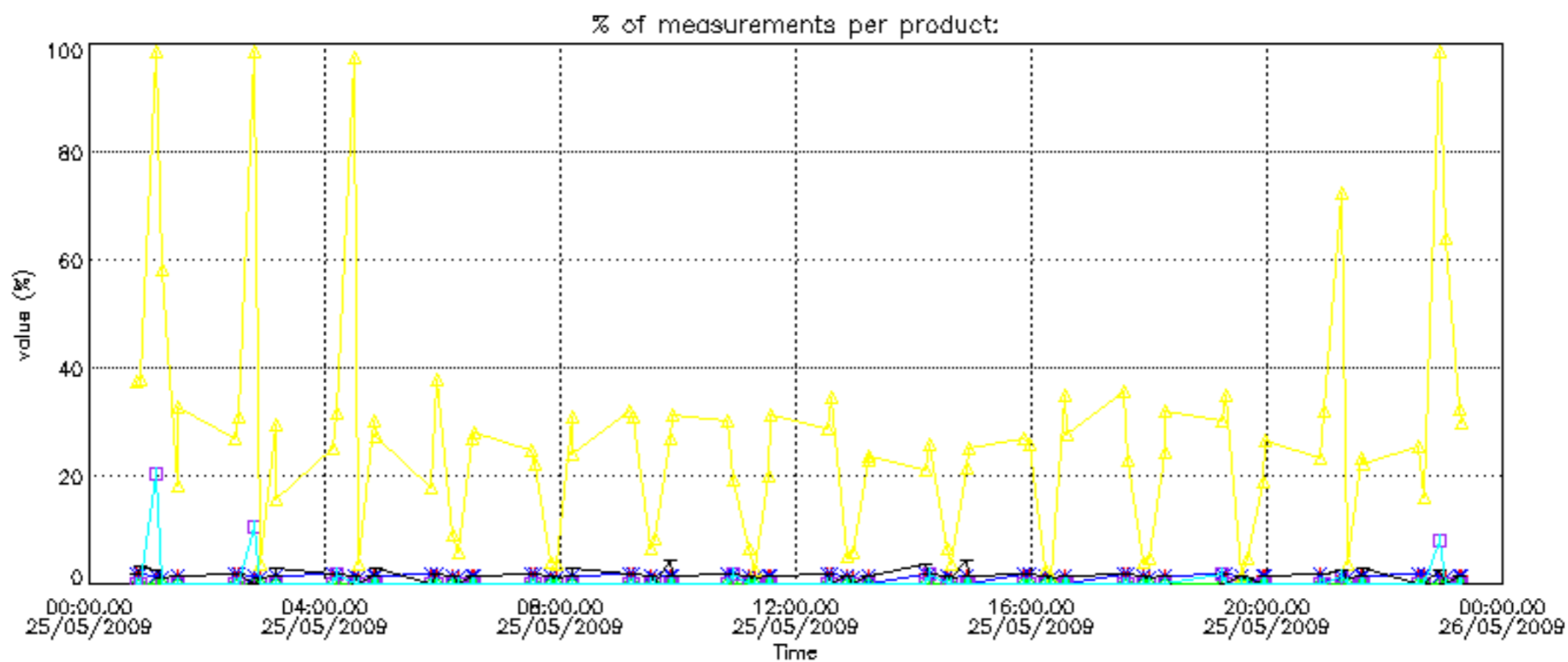
Percentage of flagged data per NO2 profile

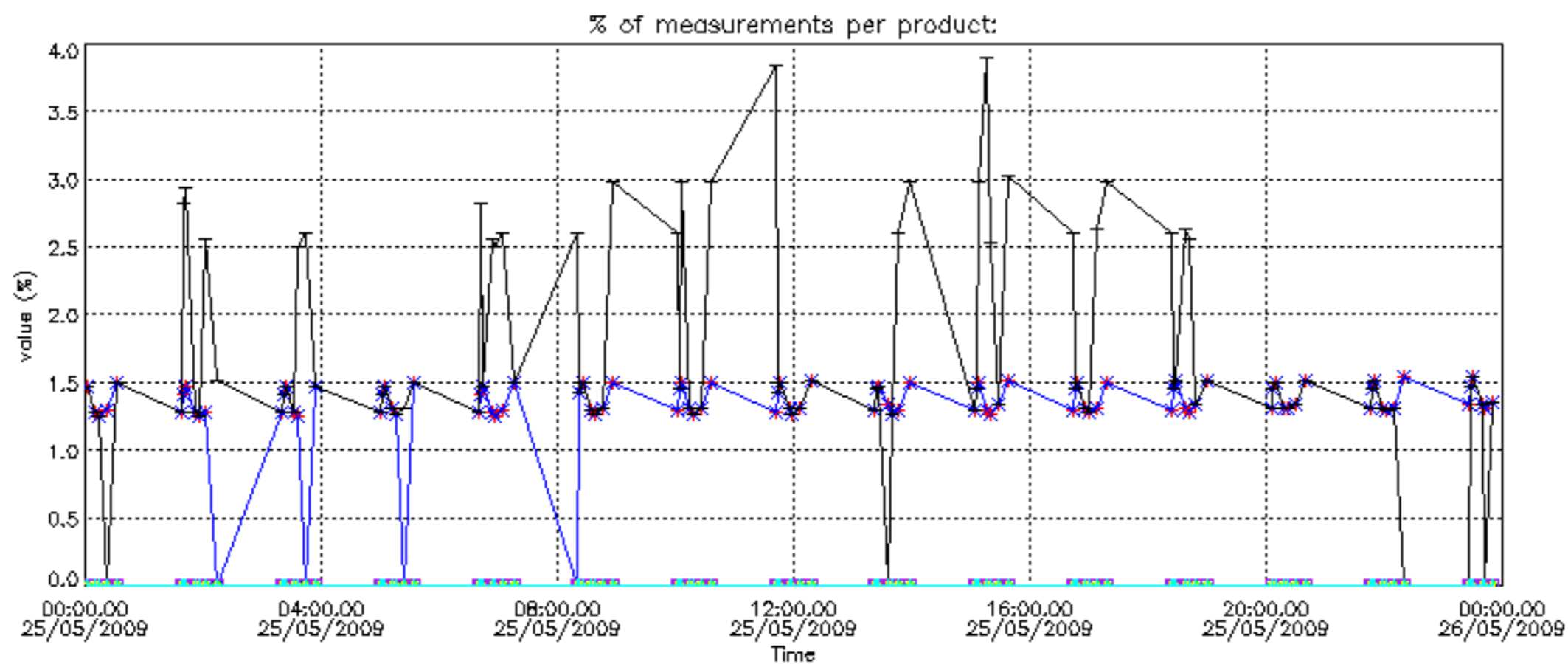


Percentage of flagged data per NO3 profile

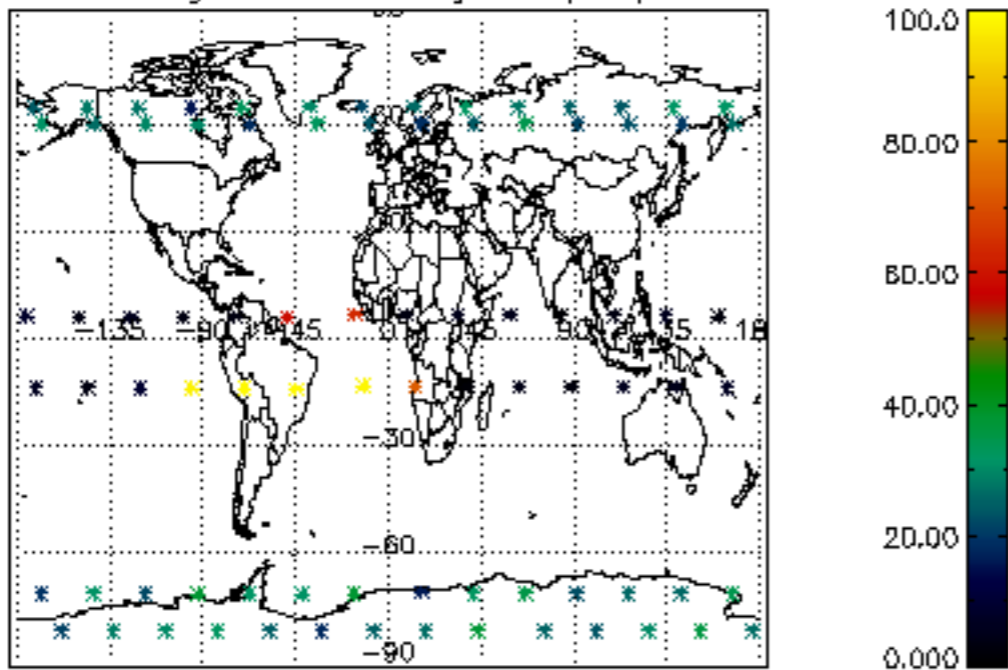




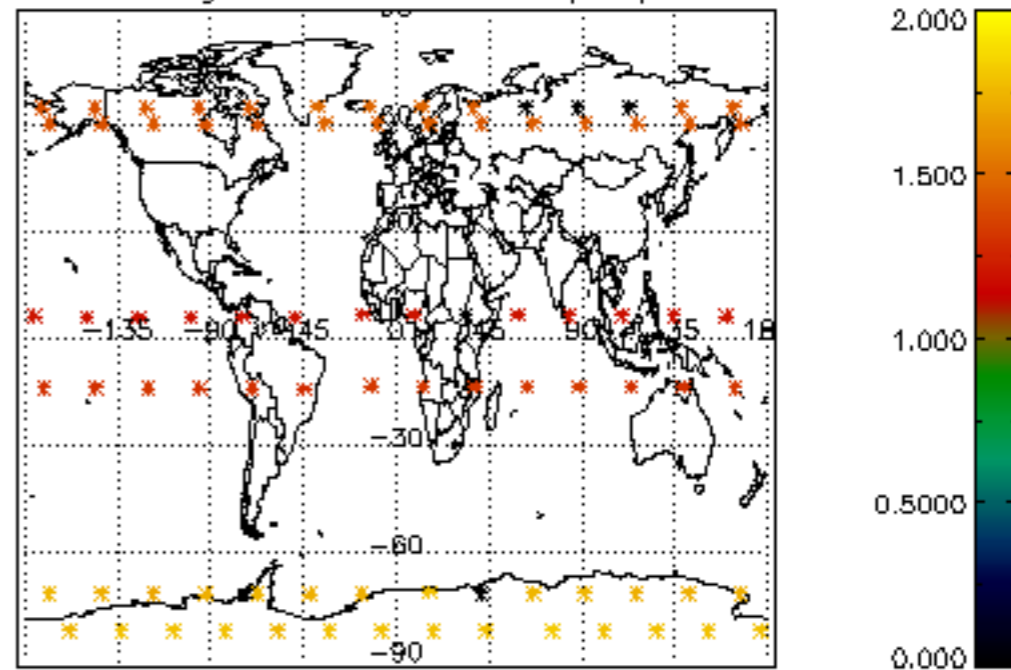




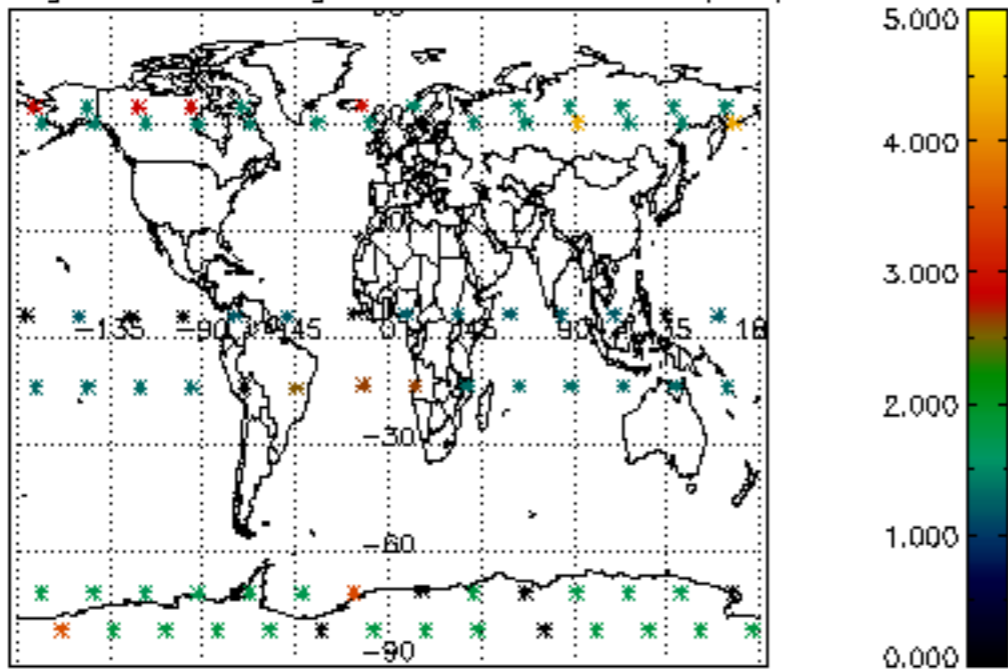
Percentage of cosmic ray hits per profile



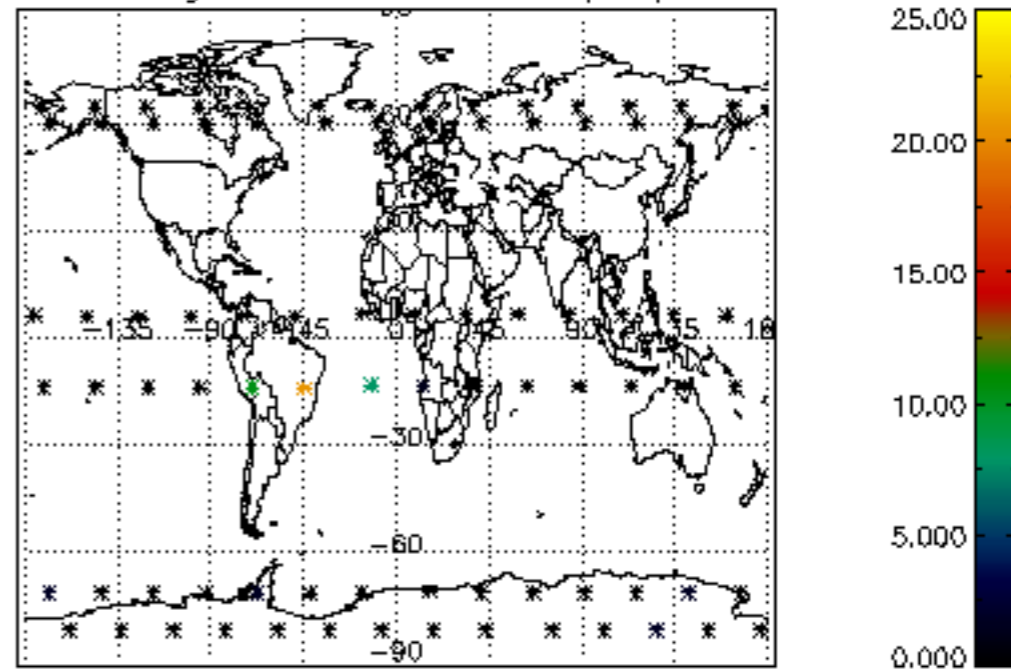
Percentage of datation errors per profile



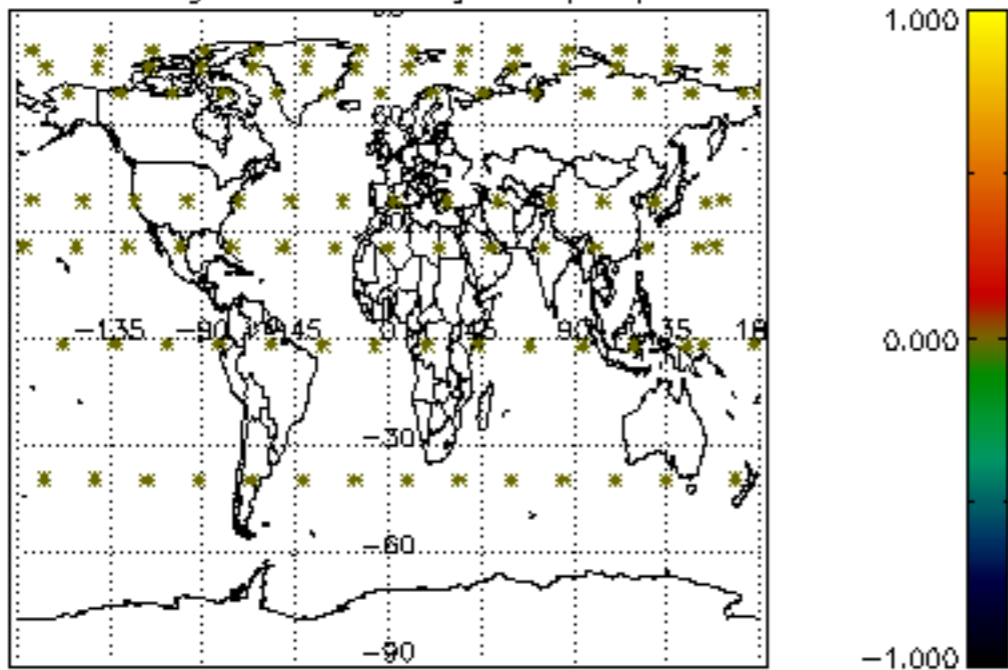
Percentage of star falling outside central band per profile



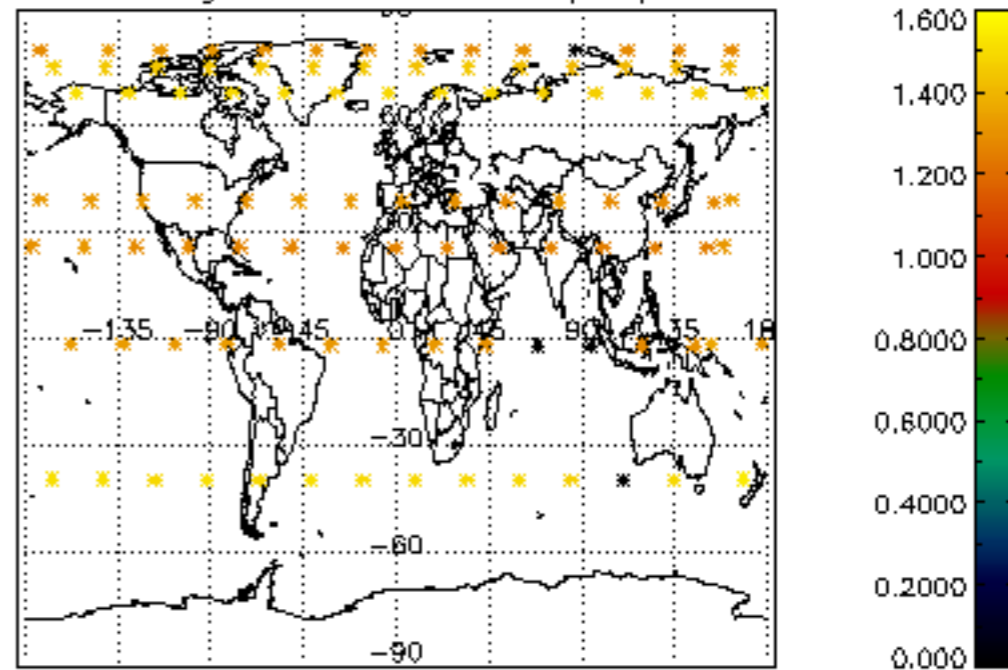
Percentage of saturation errors per profile



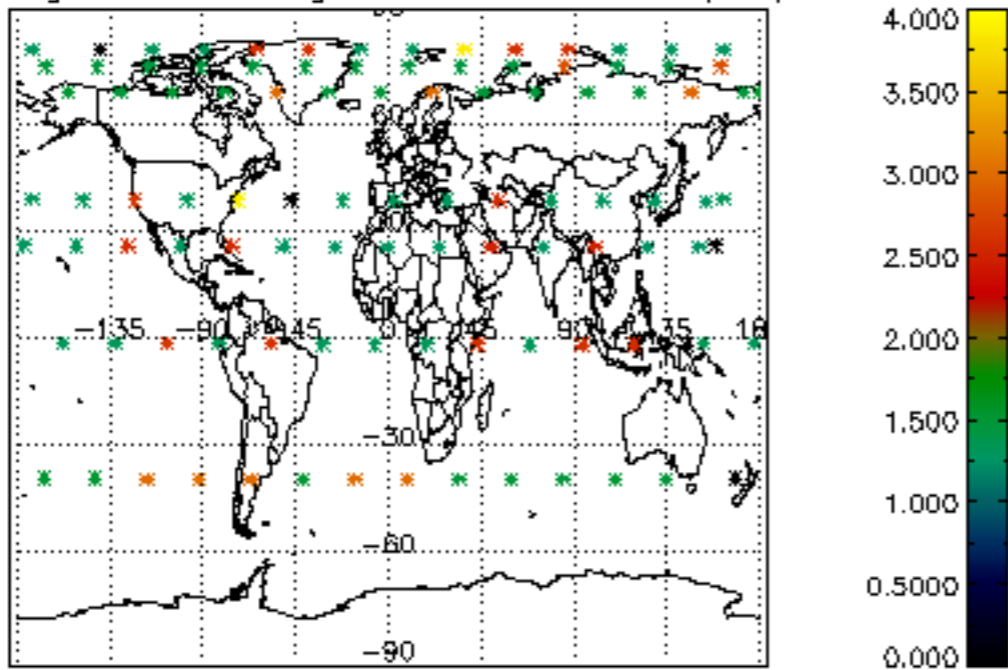
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

