

# 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 09:46:29
Data source version	GOMOS/6.01
Start time of products	26-05-2009 (26MAY2009 00:00:00)
Stop time of products	27-05-2009 (27MAY2009 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	185
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__2PRFIN20090526_000108_000000332079_00202_37831_7863.N1	26-MAY-2009 00:01:08	Twilight	32.500	89	5Alp Cep	2.4510	8000.0	65	37831	No
2	GOM_NL__2PRFIN20090526_001530_000000282079_00202_37831_7864.N1	26-MAY-2009 00:15:30	Twilight	27.500	58	21Alp And	2.0730	11000.	55	37831	No
3	GOM_NL__2PRFIN20090526_002004_000000292079_00202_37831_7865.N1	26-MAY-2009 00:20:04	Dark	28.500	140	88Gam Peg	2.8340	26000.	57	37831	No
4	GOM_NL__2PRFIN20090526_003645_000000382079_00202_37831_7866.N1	26-MAY-2009 00:36:45	Dark	38.000	18	24Alp PsA	1.1660	9700.0	76	37831	No
5	GOM_NL__2PRFIN20090526_004222_000000412079_00203_37832_7905.N1	26-MAY-2009 00:42:22	Dark	41.000	172	Gam Gru	3.0030	13100.	82	37832	No
6	GOM_NL__2PRFIN20090526_005731_000000342079_00203_37832_7906.N1	26-MAY-2009 00:57:31	Straylight	34.000	178	lot1Sco	3.0220	6550.0	68	37832	No
7	GOM_NL__2PRFIN20090526_005852_000000342079_00203_37832_7907.N1	26-MAY-2009 00:58:52	Straylight	34.000	25	35Lam Sco	1.6200	28000.	68	37832	No
8	GOM_NL__2PRFIN20090526_010649_000000382079_00203_37832_7908.N1	26-MAY-2009 01:06:49	Bright	38.000	86	35Eta Oph	2.4300	10200.	76	37832	No
9	GOM_NL__2PRFIN20090526_010847_000000342079_00203_37832_7909.N1	26-MAY-2009 01:08:47	Bright	34.000	98	13Zet Oph	2.5710	30000.	68	37832	No
10	GOM_NL__2PRFIN20090526_011104_000000332079_00203_37832_7910.N1	26-MAY-2009 01:11:04	Bright	32.500	120	1Del Oph	2.7340	3200.0	65	37832	No
11	GOM_NL__2PRFIN20090526_011946_000000382079_00203_37832_7911.N1	26-MAY-2009 01:19:46	Bright	38.000	127	27Bet Her	2.7810	4700.0	76	37832	No
12	GOM_NL__2PRFIN20090526_012324_000000392079_00203_37832_7912.N1	26-MAY-2009 01:23:24	Bright	39.000	133	40Zet Her	2.8070	6000.0	78	37832	No
13	GOM_NL__2PRFIN20090526_013102_000000382079_00203_37832_7913.N1	26-MAY-2009 01:31:02	Bright	38.000	130	23Bet Dra	2.7990	5800.0	76	37832	No
14	GOM_NL__2PRFIN20090526_014143_000000332079_00203_37832_7914.N1	26-MAY-2009 01:41:43	Bright	33.000	89	5Alp Cep	2.4510	8000.0	66	37832	No
15	GOM_NL__2PRFIN20090526_015605_000000292079_00203_37832_7915.N1	26-MAY-2009 01:56:05	Twilight	28.500	58	21Alp And	2.0730	11000.	57	37832	No
16	GOM_NL__2PRFIN20090526_020040_000000282079_00203_37832_7916.N1	26-MAY-2009 02:00:40	Dark	28.000	140	88Gam Peg	2.8340	26000.	56	37832	No
17	GOM_NL__2PRFIN20090526_021722_000000392079_00203_37832_7917.N1	26-MAY-2009 02:17:22	Dark	38.500	18	24Alp PsA	1.1660	9700.0	77	37832	No
18	GOM_NL__2PRFIN20090526_022259_000000422079_00204_37833_7913.N1	26-MAY-2009 02:22:59	Dark	42.000	172	Gam Gru	3.0030	13100.	84	37833	No
19	GOM_NL__2PRFIN20090526_023808_000000352079_00204_37833_7914.N1	26-MAY-2009 02:38:08	Straylight	34.500	178	lot1Sco	3.0220	6550.0	69	37833	No
20	GOM_NL__2PRFIN20090526_023928_000000352079_00204_37833_7915.N1	26-MAY-2009 02:39:28	Straylight	34.500	25	35Lam Sco	1.6200	28000.	69	37833	No
21	GOM_NL__2PRFIN20090526_024725_000000382079_00204_37833_7916.N1	26-MAY-2009 02:47:25	Bright	37.500	86	35Eta Oph	2.4300	10200.	75	37833	No
22	GOM_NL__2PRFIN20090526_024923_000000352079_00204_37833_7917.N1	26-MAY-2009 02:49:23	Bright	34.500	98	13Zet Oph	2.5710	30000.	69	37833	No
23	GOM_NL__2PRFIN20090526_025139_000000332079_00204_37833_7918.N1	26-MAY-2009 02:51:39	Bright	33.000	120	1Del Oph	2.7340	3200.0	66	37833	No
24	GOM_NL__2PRFIN20090526_030022_000000382079_00204_37833_7919.N1	26-MAY-2009 03:00:22	Bright	38.000	127	27Bet Her	2.7810	4700.0	76	37833	No
25	GOM_NL__2PRFIN20090526_030359_000000392079_00204_37833_7920.N1	26-MAY-2009 03:03:59	Bright	39.000	133	40Zet Her	2.8070	6000.0	78	37833	No
26	GOM_NL__2PRFIN20090526_031138_000000372079_00204_37833_7921.N1	26-MAY-2009 03:11:38	Bright	37.000	130	23Bet Dra	2.7990	5800.0	74	37833	No
27	GOM_NL__2PRFIN20090526_032219_000000332079_00204_37833_7922.N1	26-MAY-2009 03:22:19	Bright	33.000	89	5Alp Cep	2.4510	8000.0	66	37833	No
28	GOM_NL__2PRFIN20090526_033642_000000282079_00204_37833_7923.N1	26-MAY-2009 03:36:42	Twilight	28.000	58	21Alp And	2.0730	11000.	56	37833	No
29	GOM_NL__2PRFIN20090526_034117_000000292079_00204_37833_7924.N1	26-MAY-2009 03:41:17	Dark	29.000	140	88Gam Peg	2.8340	26000.	58	37833	No
30	GOM_NL__2PRFIN20090526_035759_000000382079_00204_37833_7925.N1	26-MAY-2009 03:57:59	Dark	38.000	18	24Alp PsA	1.1660	9700.0	76	37833	No
31	GOM_NL__2PRFIN20090526_040337_000000422079_00205_37834_7921.N1	26-MAY-2009 04:03:37	Dark	42.000	172	Gam Gru	3.0030	13100.	84	37834	No
32	GOM_NL__2PRFIN20090526_041844_000000352079_00205_37834_7922.N1	26-MAY-2009 04:18:44	Straylight	34.500	178	lot1Sco	3.0220	6550.0	69	37834	No
33	GOM_NL__2PRFIN20090526_042005_000000342079_00205_37834_7923.N1	26-MAY-2009 04:20:05	Straylight	34.000	25	35Lam Sco	1.6200	28000.	68	37834	No
34	GOM_NL__2PRFIN20090526_042801_000000382079_00205_37834_7924.N1	26-MAY-2009 04:28:01	Bright	37.500	86	35Eta Oph	2.4300	10200.	75	37834	No
35	GOM_NL__2PRFIN20090526_042959_000000342079_00205_37834_7925.N1	26-MAY-2009 04:29:59	Bright	34.000	98	13Zet Oph	2.5710	30000.	68	37834	No
36	GOM_NL__2PRFIN20090526_043215_000000332079_00205_37834_7926.N1	26-MAY-2009 04:32:15	Bright	33.000	120	1Del Oph	2.7340	3200.0	66	37834	No
37	GOM_NL__2PRFIN20090526_044057_000000382079_00205_37834_7927.N1	26-MAY-2009 04:40:57	Bright	38.000	127	27Bet Her	2.7810	4700.0	76	37834	No
38	GOM_NL__2PRFIN20090526_044434_000000392079_00205_37834_7928.N1	26-MAY-2009 04:44:34	Bright	39.000	133	40Zet Her	2.8070	6000.0	78	37834	No
39	GOM_NL__2PRFIN20090526_045213_000000382079_00205_37834_7929.N1	26-MAY-2009 04:52:13	Bright	37.500	130	23Bet Dra	2.7990	5800.0	75	37834	No
40	GOM_NL__2PRFIN20090526_050254_000000342079_00205_37834_7930.N1	26-MAY-2009 05:02:54	Bright	33.500	89	5Alp Cep	2.4510	8000.0	67	37834	No
41	GOM_NL__2PRFIN20090526_051718_000000282079_00205_37834_7931.N1	26-MAY-2009 05:17:18	Twilight	28.000	58	21Alp And	2.0730	11000.	56	37834	No
42	GOM_NL__2PRFIN20090526_052153_000000292079_00205_37834_7932.N1	26-MAY-2009 05:21:53	Dark	29.000	140	88Gam Peg	2.8340	26000.	58	37834	No

43	GOM_NL__2PRFIN20090526_053836_000000392079_00205_37834_7933.N1	26-MAY-2009 05:38:36	Dark	38.500	18	24Alp PsA	1.1660	9700.0	77	37834	No
44	GOM_NL__2PRFIN20090526_054414_000000422079_00206_37835_7929.N1	26-MAY-2009 05:44:14	Dark	42.000	172	Gam Gru	3.0030	13100.	84	37835	No
45	GOM_NL__2PRFIN20090526_055921_000000352079_00206_37835_7930.N1	26-MAY-2009 05:59:21	Straylight	34.500	178	lot1Sco	3.0220	6550.0	69	37835	No
46	GOM_NL__2PRFIN20090526_060041_000000352079_00206_37835_7931.N1	26-MAY-2009 06:00:41	Straylight	34.500	25	35Lam Sco	1.6200	28000.	69	37835	No
47	GOM_NL__2PRFIN20090526_060838_000000382079_00206_37835_7932.N1	26-MAY-2009 06:08:38	Bright	37.500	86	35Eta Oph	2.4300	10200.	75	37835	No
48	GOM_NL__2PRFIN20090526_061035_000000342079_00206_37835_7933.N1	26-MAY-2009 06:10:35	Bright	34.000	98	13Zet Oph	2.5710	30000.	68	37835	No
49	GOM_NL__2PRFIN20090526_061251_000000332079_00206_37835_7934.N1	26-MAY-2009 06:12:51	Bright	33.000	120	1Del Oph	2.7340	3200.0	66	37835	No
50	GOM_NL__2PRFIN20090526_062133_000000382079_00206_37835_7935.N1	26-MAY-2009 06:21:33	Bright	37.500	127	27Bet Her	2.7810	4700.0	75	37835	No
51	GOM_NL__2PRFIN20090526_062510_000000392079_00206_37835_7936.N1	26-MAY-2009 06:25:10	Bright	38.500	133	40Zet Her	2.8070	6000.0	77	37835	No
52	GOM_NL__2PRFIN20090526_063248_000000382079_00206_37835_7937.N1	26-MAY-2009 06:32:48	Bright	37.500	130	23Bet Dra	2.7990	5800.0	75	37835	No
53	GOM_NL__2PRFIN20090526_064330_000000332079_00206_37835_7938.N1	26-MAY-2009 06:43:30	Bright	33.000	89	5Alp Cep	2.4510	8000.0	66	37835	No
54	GOM_NL__2PRFIN20090526_065754_000000282079_00206_37835_7939.N1	26-MAY-2009 06:57:54	Tw_i_and_stray	28.000	58	21Alp And	2.0730	11000.	56	37835	No
55	GOM_NL__2PRFIN20090526_070230_000000292079_00206_37835_7940.N1	26-MAY-2009 07:02:30	Dark	28.500	140	88Gam Peg	2.8340	26000.	57	37835	No
56	GOM_NL__2PRFIN20090526_071913_000000382079_00206_37835_7941.N1	26-MAY-2009 07:19:13	Dark	38.000	18	24Alp PsA	1.1660	9700.0	76	37835	No
57	GOM_NL__2PRFIN20090526_072452_000000422079_00207_37836_7938.N1	26-MAY-2009 07:24:52	Dark	41.500	172	Gam Gru	3.0030	13100.	83	37836	No
58	GOM_NL__2PRFIN20090526_073957_000000352079_00207_37836_7939.N1	26-MAY-2009 07:39:57	Straylight	34.500	178	lot1Sco	3.0220	6550.0	69	37836	No
59	GOM_NL__2PRFIN20090526_074117_000000352079_00207_37836_7940.N1	26-MAY-2009 07:41:17	Straylight	34.500	25	35Lam Sco	1.6200	28000.	69	37836	No
60	GOM_NL__2PRFIN20090526_074914_000000382079_00207_37836_7941.N1	26-MAY-2009 07:49:14	Bright	37.500	86	35Eta Oph	2.4300	10200.	75	37836	No
61	GOM_NL__2PRFIN20090526_075111_000000342079_00207_37836_7942.N1	26-MAY-2009 07:51:11	Bright	34.000	98	13Zet Oph	2.5710	30000.	68	37836	No
62	GOM_NL__2PRFIN20090526_075327_000000332079_00207_37836_7943.N1	26-MAY-2009 07:53:27	Bright	32.500	120	1Del Oph	2.7340	3200.0	65	37836	No
63	GOM_NL__2PRFIN20090526_080208_000000372079_00207_37836_7944.N1	26-MAY-2009 08:02:08	Bright	37.000	127	27Bet Her	2.7810	4700.0	74	37836	No
64	GOM_NL__2PRFIN20090526_080545_000000392079_00207_37836_7945.N1	26-MAY-2009 08:05:45	Bright	38.500	133	40Zet Her	2.8070	6000.0	77	37836	No
65	GOM_NL__2PRFIN20090526_081323_000000382079_00207_37836_7946.N1	26-MAY-2009 08:13:23	Bright	37.500	130	23Bet Dra	2.7990	5800.0	75	37836	No
66	GOM_NL__2PRFIN20090526_082405_000000332079_00207_37836_7947.N1	26-MAY-2009 08:24:05	Tw_i_and_stray	33.000	89	5Alp Cep	2.4510	8000.0	66	37836	No
67	GOM_NL__2PRFIN20090526_083830_000000282079_00207_37836_7948.N1	26-MAY-2009 08:38:30	Tw_i_and_stray	28.000	58	21Alp And	2.0730	11000.	56	37836	No
68	GOM_NL__2PRFIN20090526_084306_000000292079_00207_37836_7949.N1	26-MAY-2009 08:43:06	Dark	28.500	140	88Gam Peg	2.8340	26000.	57	37836	No
69	GOM_NL__2PRFIN20090526_085950_000000392079_00207_37836_7950.N1	26-MAY-2009 08:59:50	Dark	38.500	18	24Alp PsA	1.1660	9700.0	77	37836	No
70	GOM_NL__2PRFIN20090526_090528_000000422079_00208_37837_7977.N1	26-MAY-2009 09:05:28	Dark	42.000	172	Gam Gru	3.0030	13100.	84	37837	No
71	GOM_NL__2PRFIN20090526_092034_000000352079_00208_37837_7978.N1	26-MAY-2009 09:20:34	Straylight	34.500	178	lot1Sco	3.0220	6550.0	69	37837	No
72	GOM_NL__2PRFIN20090526_092154_000000352079_00208_37837_7979.N1	26-MAY-2009 09:21:54	Straylight	34.500	25	35Lam Sco	1.6200	28000.	69	37837	No
73	GOM_NL__2PRFIN20090526_092950_000000382079_00208_37837_7980.N1	26-MAY-2009 09:29:50	Bright	37.500	86	35Eta Oph	2.4300	10200.	75	37837	No
74	GOM_NL__2PRFIN20090526_093147_000000342079_00208_37837_7981.N1	26-MAY-2009 09:31:47	Bright	34.000	98	13Zet Oph	2.5710	30000.	68	37837	No
75	GOM_NL__2PRFIN20090526_093403_000000332079_00208_37837_7982.N1	26-MAY-2009 09:34:03	Bright	33.000	120	1Del Oph	2.7340	3200.0	66	37837	No
76	GOM_NL__2PRFIN20090526_094244_000000372079_00208_37837_7983.N1	26-MAY-2009 09:42:44	Bright	37.000	127	27Bet Her	2.7810	4700.0	74	37837	No
77	GOM_NL__2PRFIN20090526_094621_000000392079_00208_37837_7984.N1	26-MAY-2009 09:46:21	Bright	38.500	133	40Zet Her	2.8070	6000.0	77	37837	No
78	GOM_NL__2PRFIN20090526_095359_000000382079_00208_37837_7985.N1	26-MAY-2009 09:53:59	Bright	37.500	130	23Bet Dra	2.7990	5800.0	75	37837	No
79	GOM_NL__2PRFIN20090526_100440_000000332079_00208_37837_7986.N1	26-MAY-2009 10:04:40	Bright	33.000	89	5Alp Cep	2.4510	8000.0	66	37837	No
80	GOM_NL__2PRFIN20090526_101906_000000282079_00208_37837_7987.N1	26-MAY-2009 10:19:06	Tw_i_and_stray	28.000	58	21Alp And	2.0730	11000.	56	37837	No
81	GOM_NL__2PRFIN20090526_102342_000000292079_00208_37837_7988.N1	26-MAY-2009 10:23:42	Dark	29.000	140	88Gam Peg	2.8340	26000.	58	37837	No
82	GOM_NL__2PRFIN20090526_104027_000000392079_00208_37837_7989.N1	26-MAY-2009 10:40:27	Dark	38.500	18	24Alp PsA	1.1660	9700.0	77	37837	No
83	GOM_NL__2PRFIN20090526_104606_000000422079_00209_37838_8011.N1	26-MAY-2009 10:46:06	Dark	41.500	172	Gam Gru	3.0030	13100.	83	37838	No
84	GOM_NL__2PRFIN20090526_110110_000000352079_00209_37838_8012.N1	26-MAY-2009 11:01:10	Straylight	34.500	178	lot1Sco	3.0220	6550.0	69	37838	No
85	GOM_NL__2PRFIN20090526_110230_000000352079_00209_37838_8013.N1	26-MAY-2009 11:02:30	Straylight	34.500	25	35Lam Sco	1.6200	28000.	69	37838	No
86	GOM_NL__2PRFIN20090526_111026_000000382079_00209_37838_8014.N1	26-MAY-2009 11:10:26	Bright	37.500	86	35Eta Oph	2.4300	10200.	75	37838	No
87	GOM_NL__2PRFIN20090526_111222_000000352079_00209_37838_8015.N1	26-MAY-2009 11:12:22	Bright	34.500	98	13Zet Oph	2.5710	30000.	69	37838	No
88	GOM_NL__2PRFIN20090526_111439_000000332079_00209_37838_8016.N1	26-MAY-2009 11:14:39	Bright	33.000	120	1Del Oph	2.7340	3200.0	66	37838	No
89	GOM_NL__2PRFIN20090526_112319_000000372079_00209_37838_8017.N1	26-MAY-2009 11:23:19	Bright	37.000	127	27Bet Her	2.7810	4700.0	74	37838	No
90	GOM_NL__2PRFIN20090526_112656_000000382079_00209_37838_8018.N1	26-MAY-2009 11:26:56	Bright	38.000	133	40Zet Her	2.8070	6000.0	76	37838	No
91	GOM_NL__2PRFIN20090526_113434_000000372079_00209_37838_8019.N1	26-MAY-2009 11:34:34	Bright	37.000	130	23Bet Dra	2.7990	5800.0	74	37838	No
92	GOM_NL__2PRFIN20090526_114516_000000332079_00209_37838_8020.N1	26-MAY-2009 11:45:16	Tw_i_and_stray	32.500	89	5Alp Cep	2.4510	8000.0	65	37838	No
93	GOM_NL__2PRFIN20090526_115942_000000282079_00209_37838_8021.N1	26-MAY-2009 11:59:42	Tw_i_and_stray	28.000	58	21Alp And	2.0730	11000.	56	37838	No
94	GOM_NL__2PRFIN20090526_120418_000000292079_00209_37838_8022.N1	26-MAY-2009 12:04:18	Dark	29.000	140	88Gam Peg	2.8340	26000.	58	37838	No
95	GOM_NL__2PRFIN20090526_122104_000000382079_00209_37838_8023.N1	26-MAY-2009 12:21:04	Dark	38.000	18	24Alp PsA	1.1660	9700.0	76	37838	No
96	GOM_NL__2PRFIN20090526_122643_000000422079_00210_37839_8025.N1	26-MAY-2009 12:26:43	Dark	41.500	172	Gam Gru	3.0030	13100.	83	37839	No
97	GOM_NL__2PRFIN20090526_124146_000000342079_00210_37839_8026.N1	26-MAY-2009 12:41:46	Straylight	34.000	178	lot1Sco	3.0220	6550.0	68	37839	No
98	GOM_NL__2PRFIN20090526_124307_000000342079_00210_37839_8027.N1	26-MAY-2009 12:43:07	Straylight	34.000	25	35Lam Sco	1.6200	28000.	68	37839	No
99	GOM_NL__2PRFIN20090526_125102_000000372079_00210_37839_8028.N1	26-MAY-2009 12:51:02	Bright	37.000	86	35Eta Oph	2.4300	10200.	74	37839	No
100	GOM_NL__2PRFIN20090526_125259_000000342079_00210_37839_8029.N1	26-MAY-2009 12:52:59	Bright	33.500	98	13Zet Oph	2.5710	30000.	67	37839	No
101	GOM_NL__2PRFIN20090526_125515_000000332079_00210_37839_8030.N1	26-MAY-2009 12:55:15	Bright	32.500	120	1Del Oph	2.7340	3200.0	65	37839	No

102	GOM_NL__2PRFIN20090526_130355_000000372079_00210_37839_8031.N1	26-MAY-2009 13:03:55	Bright	37.000	127	27Bet Her	2.7810	4700.0	74	37839	No
103	GOM_NL__2PRFIN20090526_130731_000000382079_00210_37839_8032.N1	26-MAY-2009 13:07:31	Bright	38.000	133	40Zet Her	2.8070	6000.0	76	37839	No
104	GOM_NL__2PRFIN20090526_131509_000000372079_00210_37839_8033.N1	26-MAY-2009 13:15:09	Bright	37.000	130	23Bet Dra	2.7990	5800.0	74	37839	No
105	GOM_NL__2PRFIN20090526_132551_000000332079_00210_37839_8034.N1	26-MAY-2009 13:25:51	Bright	33.000	89	5Alp Cep	2.4510	8000.0	66	37839	No
106	GOM_NL__2PRFIN20090526_134019_000000282079_00210_37839_8035.N1	26-MAY-2009 13:40:19	Twi_and_stray	28.000	58	21Alp And	2.0730	11000.	56	37839	No
107	GOM_NL__2PRFIN20090526_134455_000000292079_00210_37839_8036.N1	26-MAY-2009 13:44:55	Dark	29.000	140	88Gam Peg	2.8340	26000.	58	37839	No
108	GOM_NL__2PRFIN20090526_140142_000000382079_00210_37839_8037.N1	26-MAY-2009 14:01:42	Dark	37.500	18	24Alp PsA	1.1660	9700.0	75	37839	No
109	GOM_NL__2PRFIN20090526_140720_000000422079_00211_37840_8039.N1	26-MAY-2009 14:07:20	Dark	41.500	172	Gam Gru	3.0030	13100.	83	37840	No
110	GOM_NL__2PRFIN20090526_142223_000000352079_00211_37840_8040.N1	26-MAY-2009 14:22:23	Straylight	34.500	178	lot1Sco	3.0220	6550.0	69	37840	No
111	GOM_NL__2PRFIN20090526_142343_000000342079_00211_37840_8041.N1	26-MAY-2009 14:23:43	Straylight	34.000	25	35Lam Sco	1.6200	28000.	68	37840	No
112	GOM_NL__2PRFIN20090526_143138_000000302079_00211_37840_8042.N1	26-MAY-2009 14:31:38	Twi_and_stray	29.500	86	35Eta Oph	2.4300	10200.	59	37840	No
113	GOM_NL__2PRFIN20090526_143334_000000342079_00211_37840_8043.N1	26-MAY-2009 14:33:34	Bright	34.000	98	13Zet Oph	2.5710	30000.	68	37840	No
114	GOM_NL__2PRFIN20090526_143550_000000332079_00211_37840_8044.N1	26-MAY-2009 14:35:50	Bright	33.000	120	1Del Oph	2.7340	3200.0	66	37840	No
115	GOM_NL__2PRFIN20090526_144430_000000382079_00211_37840_8045.N1	26-MAY-2009 14:44:30	Bright	37.500	127	27Bet Her	2.7810	4700.0	75	37840	No
116	GOM_NL__2PRFIN20090526_144806_000000382079_00211_37840_8046.N1	26-MAY-2009 14:48:06	Bright	38.000	133	40Zet Her	2.8070	6000.0	76	37840	No
117	GOM_NL__2PRFIN20090526_145544_000000382079_00211_37840_8047.N1	26-MAY-2009 14:55:44	Bright	37.500	130	23Bet Dra	2.7990	5800.0	75	37840	No
118	GOM_NL__2PRFIN20090526_150626_000000332079_00211_37840_8048.N1	26-MAY-2009 15:06:26	Twi_and_stray	33.000	89	5Alp Cep	2.4510	8000.0	66	37840	No
119	GOM_NL__2PRFIN20090526_152055_000000282079_00211_37840_8049.N1	26-MAY-2009 15:20:55	Twi_and_stray	28.000	58	21Alp And	2.0730	11000.	56	37840	No
120	GOM_NL__2PRFIN20090526_152531_000000292079_00211_37840_8050.N1	26-MAY-2009 15:25:31	Dark	29.000	140	88Gam Peg	2.8340	26000.	58	37840	No
121	GOM_NL__2PRFIN20090526_154218_000000392079_00211_37840_8051.N1	26-MAY-2009 15:42:18	Dark	38.500	18	24Alp PsA	1.1660	9700.0	77	37840	No
122	GOM_NL__2PRFIN20090526_154757_000000422079_00212_37841_8053.N1	26-MAY-2009 15:47:57	Dark	42.000	172	Gam Gru	3.0030	13100.	84	37841	No
123	GOM_NL__2PRFIN20090526_160259_000000352079_00212_37841_8054.N1	26-MAY-2009 16:02:59	Straylight	34.500	178	lot1Sco	3.0220	6550.0	69	37841	No
124	GOM_NL__2PRFIN20090526_160419_000000342079_00212_37841_8055.N1	26-MAY-2009 16:04:19	Straylight	34.000	25	35Lam Sco	1.6200	28000.	68	37841	No
125	GOM_NL__2PRFIN20090526_161214_000000382079_00212_37841_8056.N1	26-MAY-2009 16:12:14	Bright	37.500	86	35Eta Oph	2.4300	10200.	75	37841	No
126	GOM_NL__2PRFIN20090526_161410_000000352079_00212_37841_8057.N1	26-MAY-2009 16:14:10	Bright	34.500	98	13Zet Oph	2.5710	30000.	69	37841	No
127	GOM_NL__2PRFIN20090526_161626_000000332079_00212_37841_8058.N1	26-MAY-2009 16:16:26	Bright	33.000	120	1Del Oph	2.7340	3200.0	66	37841	No
128	GOM_NL__2PRFIN20090526_162505_000000382079_00212_37841_8059.N1	26-MAY-2009 16:25:05	Bright	37.500	127	27Bet Her	2.7810	4700.0	75	37841	No
129	GOM_NL__2PRFIN20090526_162842_000000382079_00212_37841_8060.N1	26-MAY-2009 16:28:42	Bright	38.000	133	40Zet Her	2.8070	6000.0	76	37841	No
130	GOM_NL__2PRFIN20090526_163619_000000382079_00212_37841_8061.N1	26-MAY-2009 16:36:19	Bright	37.500	130	23Bet Dra	2.7990	5800.0	75	37841	No
131	GOM_NL__2PRFIN20090526_164702_000000342079_00212_37841_8062.N1	26-MAY-2009 16:47:02	Bright	33.500	89	5Alp Cep	2.4510	8000.0	67	37841	No
132	GOM_NL__2PRFIN20090526_170131_000000292079_00212_37841_8063.N1	26-MAY-2009 17:01:31	Twi_and_stray	28.500	58	21Alp And	2.0730	11000.	57	37841	No
133	GOM_NL__2PRFIN20090526_170607_000000292079_00212_37841_8064.N1	26-MAY-2009 17:06:07	Dark	29.000	140	88Gam Peg	2.8340	26000.	58	37841	No
134	GOM_NL__2PRFIN20090526_172256_000000382079_00212_37841_8065.N1	26-MAY-2009 17:22:56	Dark	38.000	18	24Alp PsA	1.1660	9700.0	76	37841	No
135	GOM_NL__2PRFIN20090526_172835_000000422079_00213_37842_8071.N1	26-MAY-2009 17:28:35	Dark	41.500	172	Gam Gru	3.0030	13100.	83	37842	No
136	GOM_NL__2PRFIN20090526_174336_000000352079_00213_37842_8072.N1	26-MAY-2009 17:43:36	Straylight	34.500	178	lot1Sco	3.0220	6550.0	69	37842	No
137	GOM_NL__2PRFIN20090526_174456_000000342079_00213_37842_8073.N1	26-MAY-2009 17:44:56	Straylight	34.000	25	35Lam Sco	1.6200	28000.	68	37842	No
138	GOM_NL__2PRFIN20090526_175250_000000372079_00213_37842_8074.N1	26-MAY-2009 17:52:50	Bright	37.000	86	35Eta Oph	2.4300	10200.	74	37842	No
139	GOM_NL__2PRFIN20090526_175447_000000342079_00213_37842_8075.N1	26-MAY-2009 17:54:47	Bright	33.500	98	13Zet Oph	2.5710	30000.	67	37842	No
140	GOM_NL__2PRFIN20090526_175702_000000332079_00213_37842_8076.N1	26-MAY-2009 17:57:02	Bright	32.500	120	1Del Oph	2.7340	3200.0	65	37842	No
141	GOM_NL__2PRFIN20090526_180541_000000372079_00213_37842_8077.N1	26-MAY-2009 18:05:41	Bright	37.000	127	27Bet Her	2.7810	4700.0	74	37842	No
142	GOM_NL__2PRFIN20090526_180917_000000382079_00213_37842_8078.N1	26-MAY-2009 18:09:17	Bright	37.500	133	40Zet Her	2.8070	6000.0	75	37842	No
143	GOM_NL__2PRFIN20090526_181654_000000372079_00213_37842_8079.N1	26-MAY-2009 18:16:54	Bright	37.000	130	23Bet Dra	2.7990	5800.0	74	37842	No
144	GOM_NL__2PRFIN20090526_182737_000000332079_00213_37842_8080.N1	26-MAY-2009 18:27:37	Twi_and_stray	33.000	89	5Alp Cep	2.4510	8000.0	66	37842	No
145	GOM_NL__2PRFIN20090526_184207_000000282079_00213_37842_8081.N1	26-MAY-2009 18:42:07	Twi_and_stray	28.000	58	21Alp And	2.0730	11000.	56	37842	No
146	GOM_NL__2PRFIN20090526_184644_000000292079_00213_37842_8082.N1	26-MAY-2009 18:46:44	Dark	29.000	140	88Gam Peg	2.8340	26000.	58	37842	No
147	GOM_NL__2PRFIN20090526_190332_000000392079_00213_37842_8083.N1	26-MAY-2009 19:03:32	Dark	38.500	18	24Alp PsA	1.1660	9700.0	77	37842	No
148	GOM_NL__2PRFIN20090526_190911_000000422079_00214_37843_8088.N1	26-MAY-2009 19:09:11	Dark	42.000	172	Gam Gru	3.0030	13100.	84	37843	No
149	GOM_NL__2PRFIN20090526_192412_000000342079_00214_37843_8089.N1	26-MAY-2009 19:24:12	Straylight	34.000	178	lot1Sco	3.0220	6550.0	68	37843	No
150	GOM_NL__2PRFIN20090526_192533_000000342079_00214_37843_8090.N1	26-MAY-2009 19:25:33	Straylight	34.000	25	35Lam Sco	1.6200	28000.	68	37843	No
151	GOM_NL__2PRFIN20090526_193325_000000382079_00214_37843_8091.N1	26-MAY-2009 19:33:25	Bright	37.500	86	35Eta Oph	2.4300	10200.	75	37843	No
152	GOM_NL__2PRFIN20090526_193522_000000342079_00214_37843_8092.N1	26-MAY-2009 19:35:22	Bright	34.000	98	13Zet Oph	2.5710	30000.	68	37843	No
153	GOM_NL__2PRFIN20090526_193738_000000332079_00214_37843_8093.N1	26-MAY-2009 19:37:38	Bright	33.000	120	1Del Oph	2.7340	3200.0	66	37843	No
154	GOM_NL__2PRFIN20090526_194616_000000372079_00214_37843_8094.N1	26-MAY-2009 19:46:16	Bright	37.000	127	27Bet Her	2.7810	4700.0	74	37843	No
155	GOM_NL__2PRFIN20090526_194952_000000382079_00214_37843_8095.N1	26-MAY-2009 19:49:52	Bright	38.000	133	40Zet Her	2.8070	6000.0	76	37843	No
156	GOM_NL__2PRFIN20090526_195730_000000382079_00214_37843_8096.N1	26-MAY-2009 19:57:30	Bright	37.500	130	23Bet Dra	2.7990	5800.0	75	37843	No
157	GOM_NL__2PRFIN20090526_200812_000000332079_00214_37843_8097.N1	26-MAY-2009 20:08:12	Twi_and_stray	33.000	89	5Alp Cep	2.4510	8000.0	66	37843	No
158	GOM_NL__2PRFIN20090526_202243_000000282079_00214_37843_8098.N1	26-MAY-2009 20:22:43	Twi_and_stray	28.000	58	21Alp And	2.0730	11000.	56	37843	No
159	GOM_NL__2PRFIN20090526_202720_000000292079_00214_37843_8099.N1	26-MAY-2009 20:27:20	Dark	29.000	140	88Gam Peg	2.8340	26000.	58	37843	No
160	GOM_NL__2PRFIN20090526_204409_000000392079_00214_37843_8100.N1	26-MAY-2009 20:44:09	Dark	38.500	18	24Alp PsA	1.1660	9700.0	77	37843	No

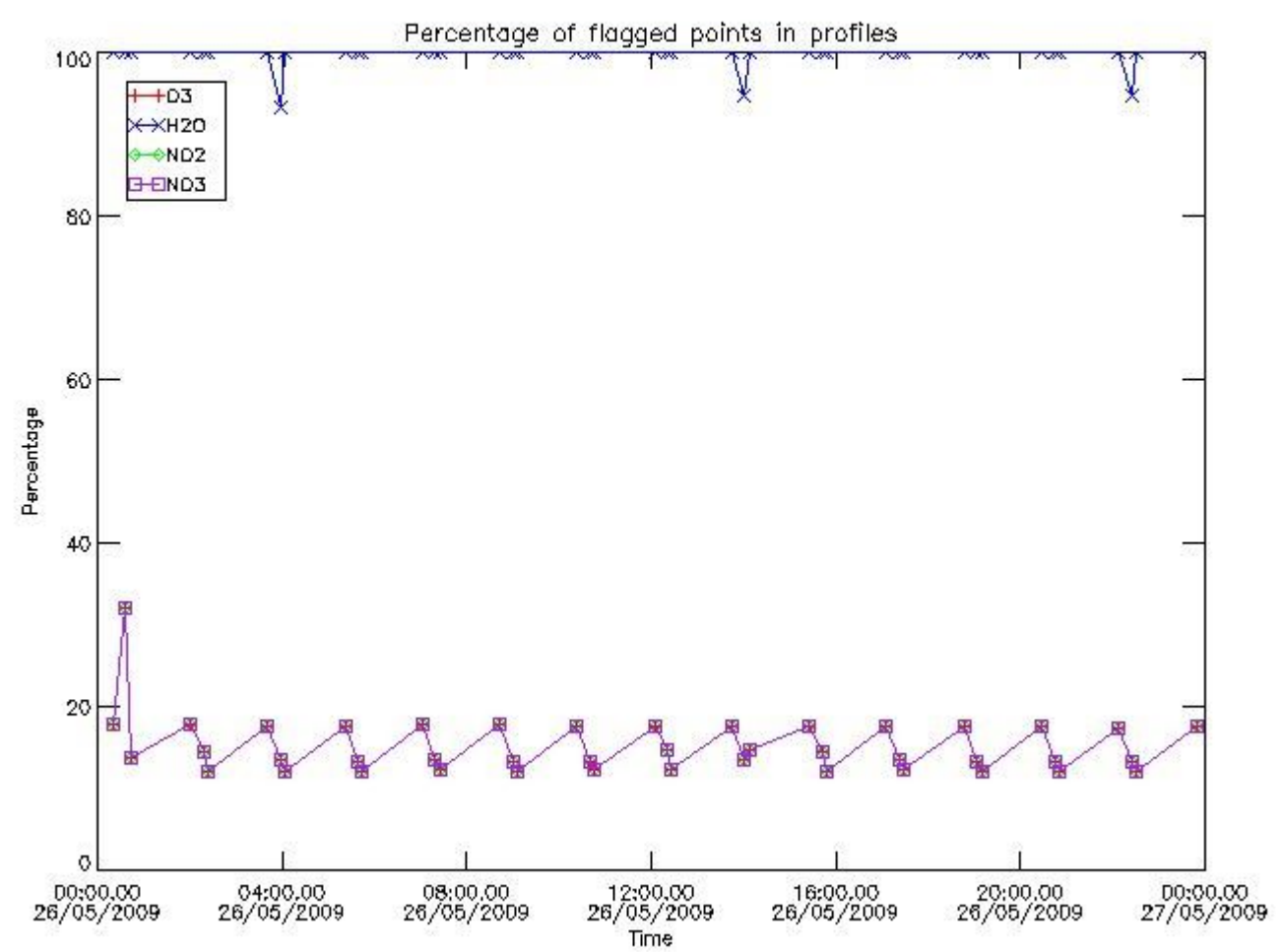


161	GOM_NL__2PRFIN20090526_204949_000000422079_00215_37844_8104.N1	26-MAY-2009 20:49:49	Dark	41.500	172	Gam Gru	3.0030	13100.	83	37844	No
162	GOM_NL__2PRFIN20090526_210449_000000342079_00215_37844_8105.N1	26-MAY-2009 21:04:49	Straylight	34.000	178	lot1Sco	3.0220	6550.0	68	37844	No
163	GOM_NL__2PRFIN20090526_210609_000000342079_00215_37844_8106.N1	26-MAY-2009 21:06:09	Straylight	33.500	25	35Lam Sco	1.6200	28000.	67	37844	No
164	GOM_NL__2PRFIN20090526_211401_000000382079_00215_37844_8107.N1	26-MAY-2009 21:14:01	Bright	37.500	86	35Eta Oph	2.4300	10200.	75	37844	No
165	GOM_NL__2PRFIN20090526_211558_000000342079_00215_37844_8108.N1	26-MAY-2009 21:15:58	Bright	34.000	98	13Zet Oph	2.5710	30000.	68	37844	No
166	GOM_NL__2PRFIN20090526_211814_000000332079_00215_37844_8109.N1	26-MAY-2009 21:18:14	Bright	32.500	120	1Del Oph	2.7340	3200.0	65	37844	No
167	GOM_NL__2PRFIN20090526_212652_000000372079_00215_37844_8110.N1	26-MAY-2009 21:26:52	Bright	37.000	127	27Bet Her	2.7810	4700.0	74	37844	No
168	GOM_NL__2PRFIN20090526_213028_000000382079_00215_37844_8111.N1	26-MAY-2009 21:30:28	Bright	38.000	133	40Zet Her	2.8070	6000.0	76	37844	No
169	GOM_NL__2PRFIN20090526_213805_000000382079_00215_37844_8112.N1	26-MAY-2009 21:38:05	Bright	37.500	130	23Bet Dra	2.7990	5800.0	75	37844	No
170	GOM_NL__2PRFIN20090526_214848_000000332079_00215_37844_8113.N1	26-MAY-2009 21:48:48	Tw_i_and_stray	33.000	89	5Alp Cep	2.4510	8000.0	66	37844	No
171	GOM_NL__2PRFIN20090526_220319_000000282079_00215_37844_8114.N1	26-MAY-2009 22:03:19	Tw_i_and_stray	28.000	58	21Alp And	2.0730	11000.	56	37844	No
172	GOM_NL__2PRFIN20090526_220756_000000302079_00215_37844_8115.N1	26-MAY-2009 22:07:56	Dark	29.500	140	88Gam Peg	2.8340	26000.	59	37844	No
173	GOM_NL__2PRFIN20090526_222447_000000392079_00215_37844_8116.N1	26-MAY-2009 22:24:47	Dark	38.500	18	24Alp PsA	1.1660	9700.0	77	37844	No
174	GOM_NL__2PRFIN20090526_223026_000000422079_00216_37845_8120.N1	26-MAY-2009 22:30:26	Dark	42.000	172	Gam Gru	3.0030	13100.	84	37845	No
175	GOM_NL__2PRFIN20090526_224525_000000352079_00216_37845_8121.N1	26-MAY-2009 22:45:25	Straylight	34.500	178	lot1Sco	3.0220	6550.0	69	37845	No
176	GOM_NL__2PRFIN20090526_224646_000000342079_00216_37845_8122.N1	26-MAY-2009 22:46:46	Straylight	33.500	25	35Lam Sco	1.6200	28000.	67	37845	No
177	GOM_NL__2PRFIN20090526_225437_000000382079_00216_37845_8123.N1	26-MAY-2009 22:54:37	Bright	37.500	86	35Eta Oph	2.4300	10200.	75	37845	No
178	GOM_NL__2PRFIN20090526_225634_000000342079_00216_37845_8124.N1	26-MAY-2009 22:56:34	Bright	34.000	98	13Zet Oph	2.5710	30000.	68	37845	No
179	GOM_NL__2PRFIN20090526_225850_000000332079_00216_37845_8125.N1	26-MAY-2009 22:58:50	Bright	32.500	120	1Del Oph	2.7340	3200.0	65	37845	No
180	GOM_NL__2PRFIN20090526_230727_000000372079_00216_37845_8126.N1	26-MAY-2009 23:07:27	Bright	37.000	127	27Bet Her	2.7810	4700.0	74	37845	No
181	GOM_NL__2PRFIN20090526_231103_000000382079_00216_37845_8127.N1	26-MAY-2009 23:11:03	Bright	38.000	133	40Zet Her	2.8070	6000.0	76	37845	No
182	GOM_NL__2PRFIN20090526_231840_000000382079_00216_37845_8128.N1	26-MAY-2009 23:18:40	Bright	37.500	130	23Bet Dra	2.7990	5800.0	75	37845	No
183	GOM_NL__2PRFIN20090526_232923_000000332079_00216_37845_8129.N1	26-MAY-2009 23:29:23	Tw_i_and_stray	33.000	89	5Alp Cep	2.4510	8000.0	66	37845	No
184	GOM_NL__2PRFIN20090526_234356_000000282079_00216_37845_8130.N1	26-MAY-2009 23:43:56	Tw_i_and_stray	28.000	58	21Alp And	2.0730	11000.	56	37845	No
185	GOM_NL__2PRFIN20090526_234833_000000292079_00216_37845_8131.N1	26-MAY-2009 23:48:33	Dark	29.000	140	88Gam Peg	2.8340	26000.	58	37845	No

### 3. Quality information per product

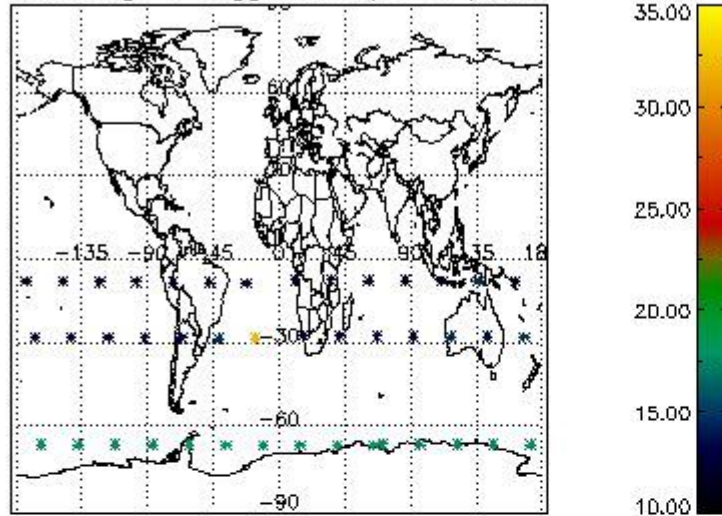
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

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

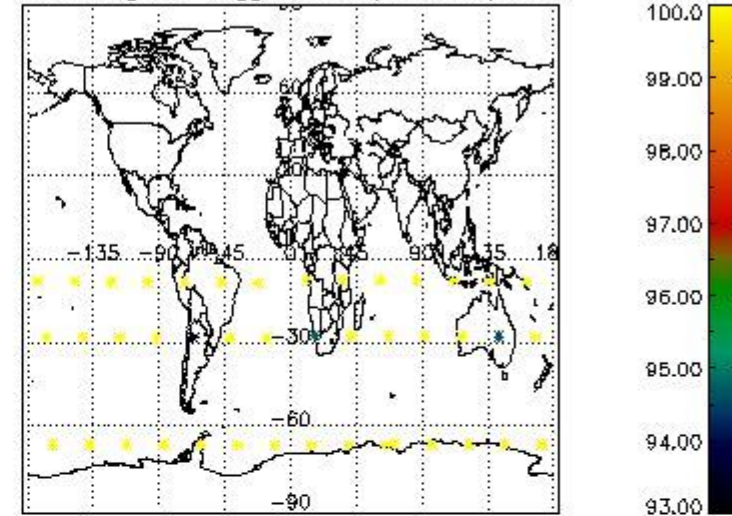


3.2 Plot quality information per product (world map)

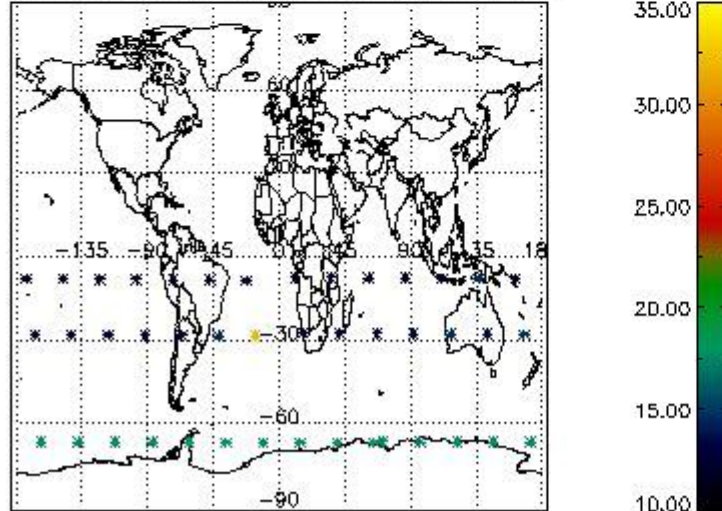
Percentage of flagged data per O3 profile



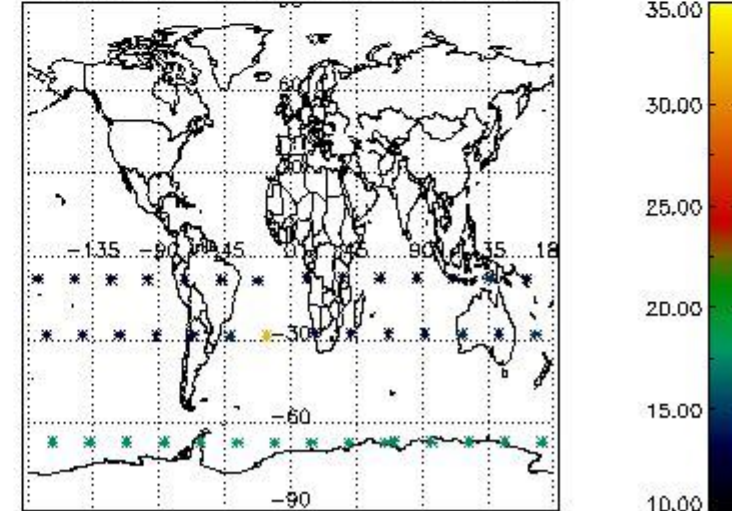
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

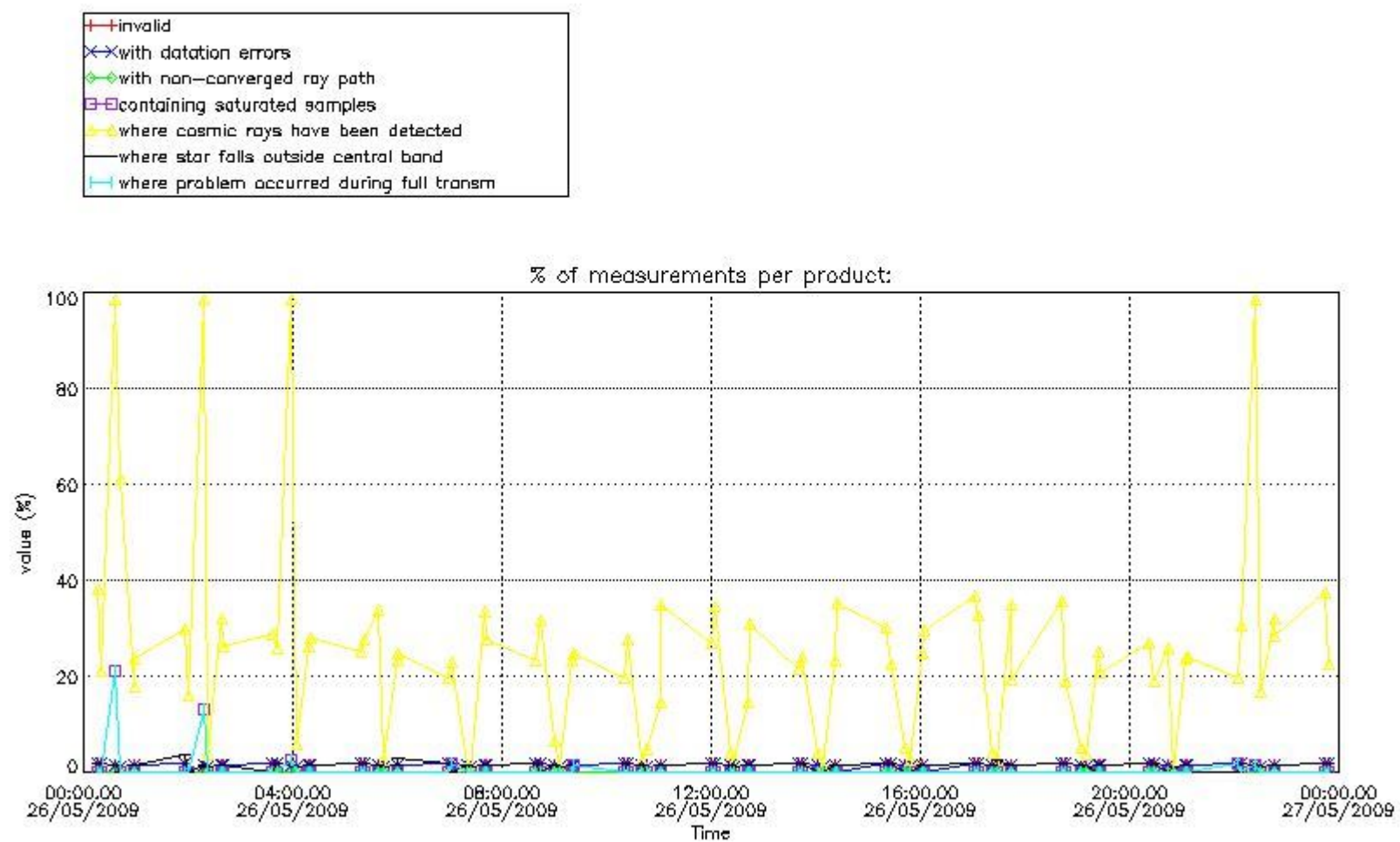


#### 4. Level 1 quality information per product

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

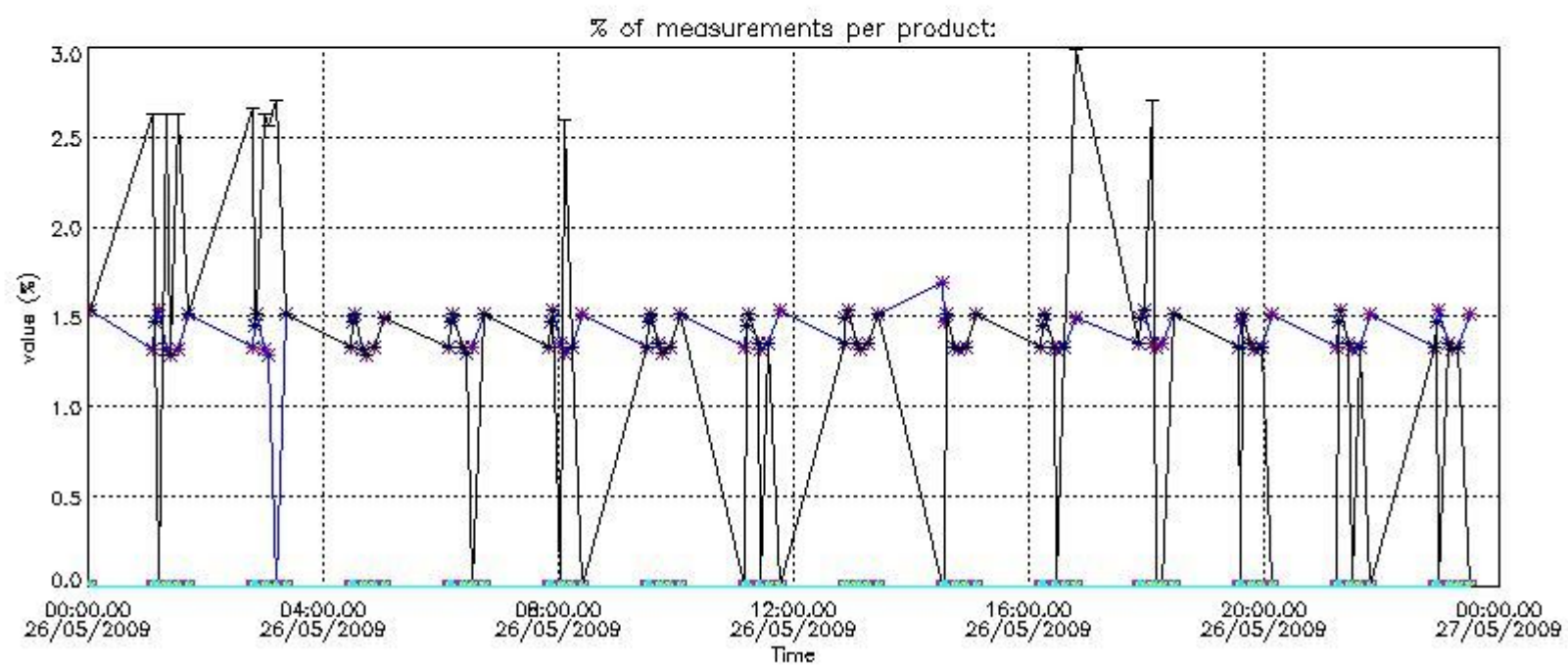
##### 4.1 Plot quality information per product (time dependant) coming from level 1b processing

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



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

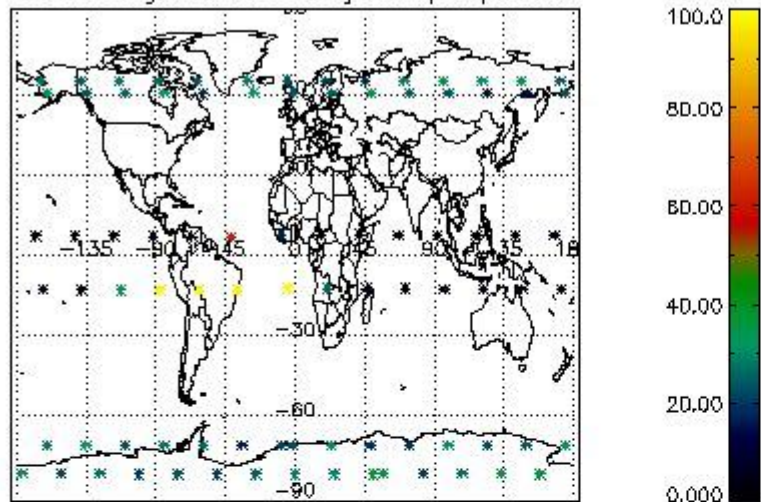




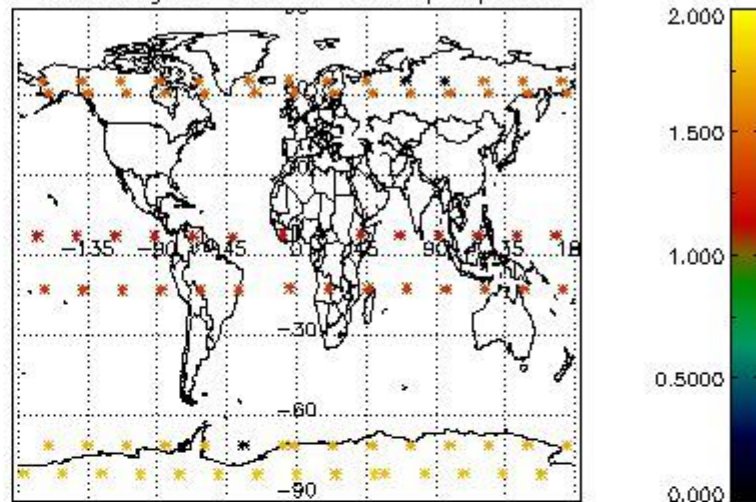
*4.2 Plot quality information per product coming from level 1b processing (world map)*

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

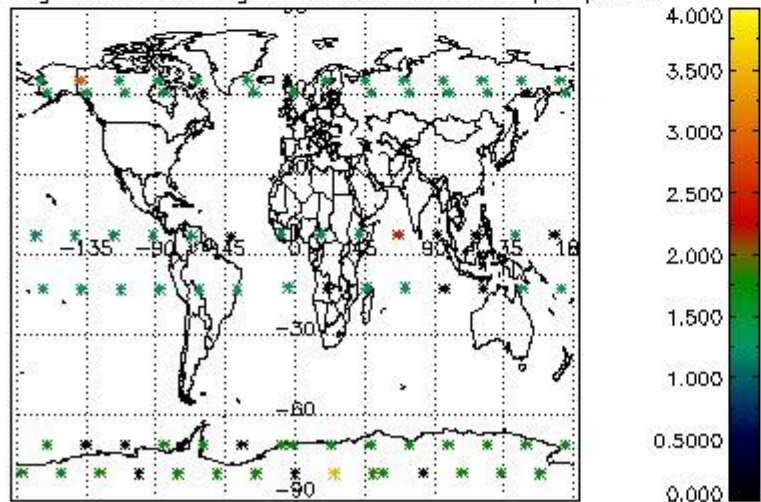
Percentage of cosmic ray hits per profile



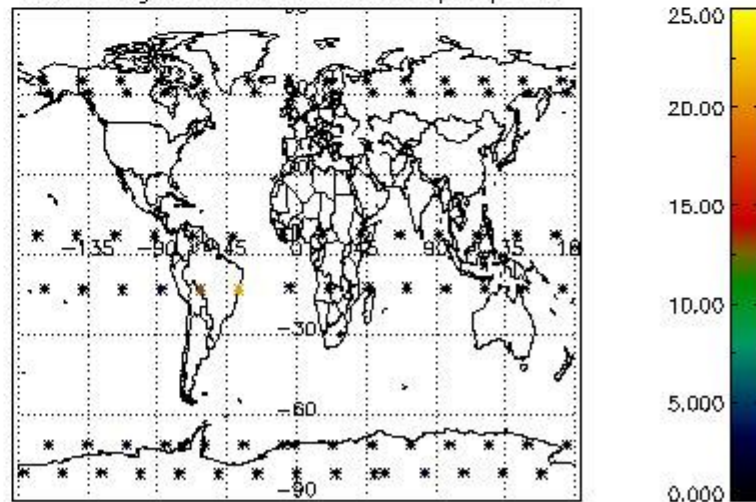
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

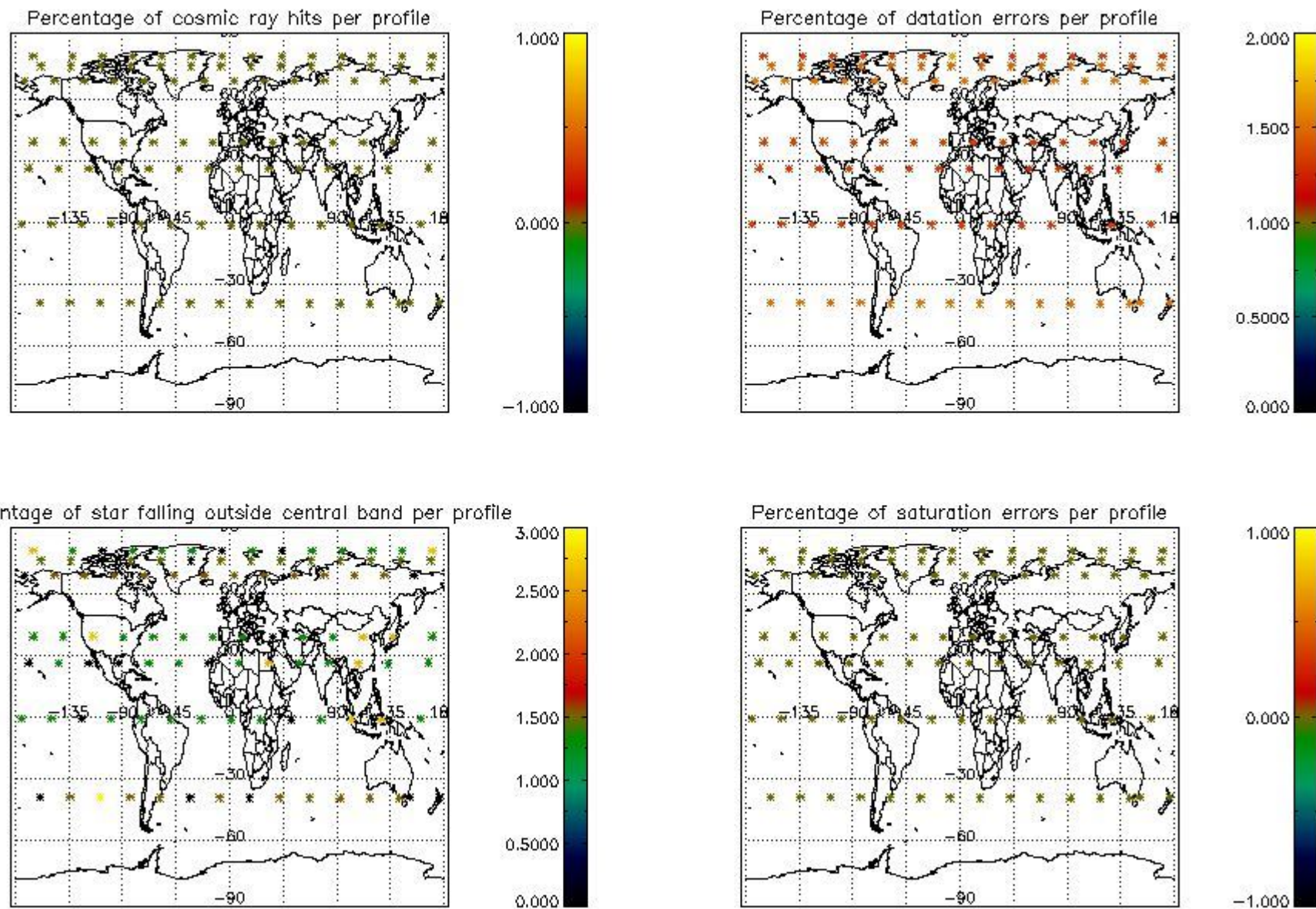


Percentage of saturation errors per profile



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





## 5. Trace gas profiles

### 5.1 Ozone statistics based on quality of products

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

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

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

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

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

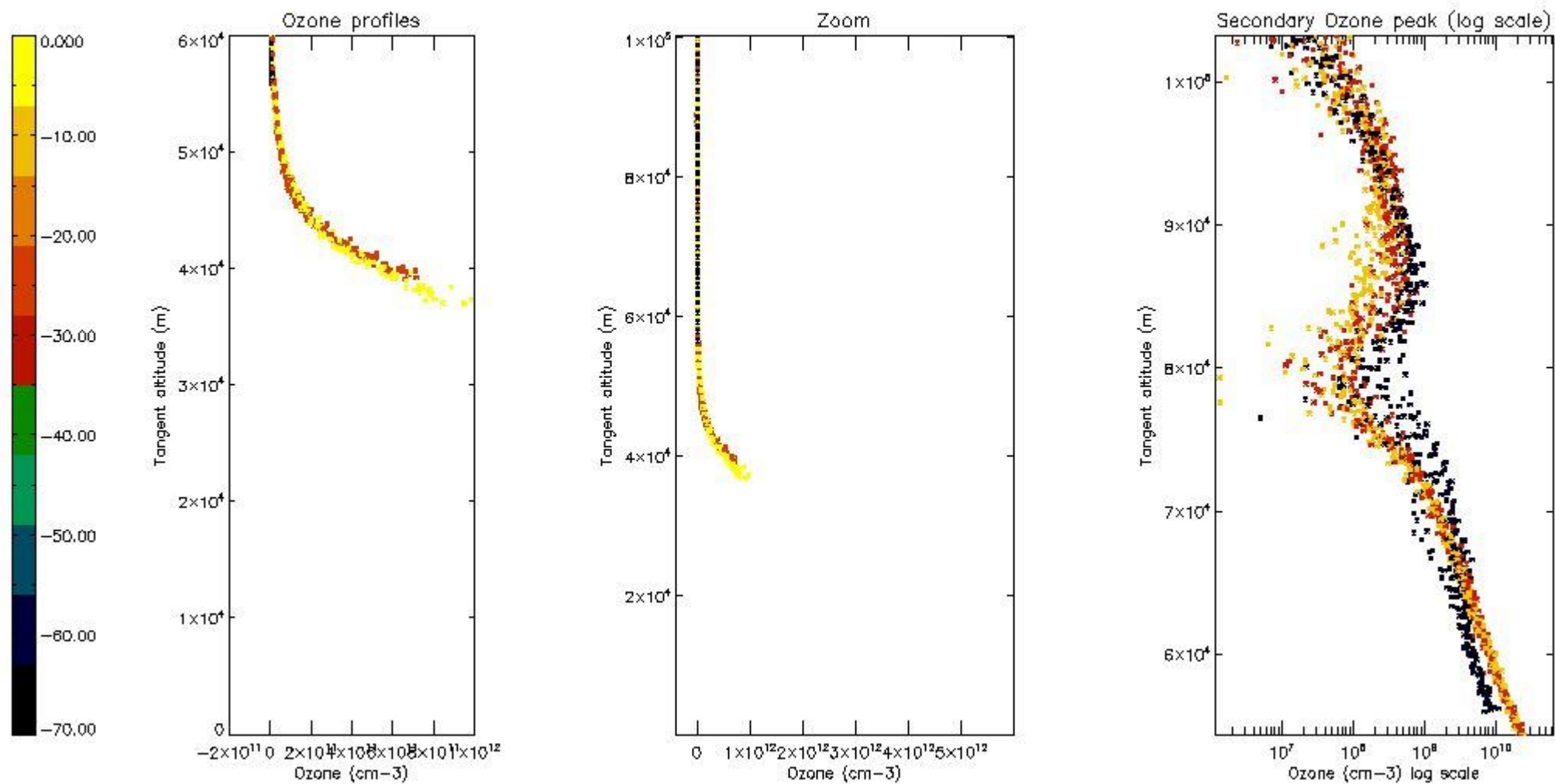
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	24
STD < 20	12

STD < 10	10
STD < 5	6

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

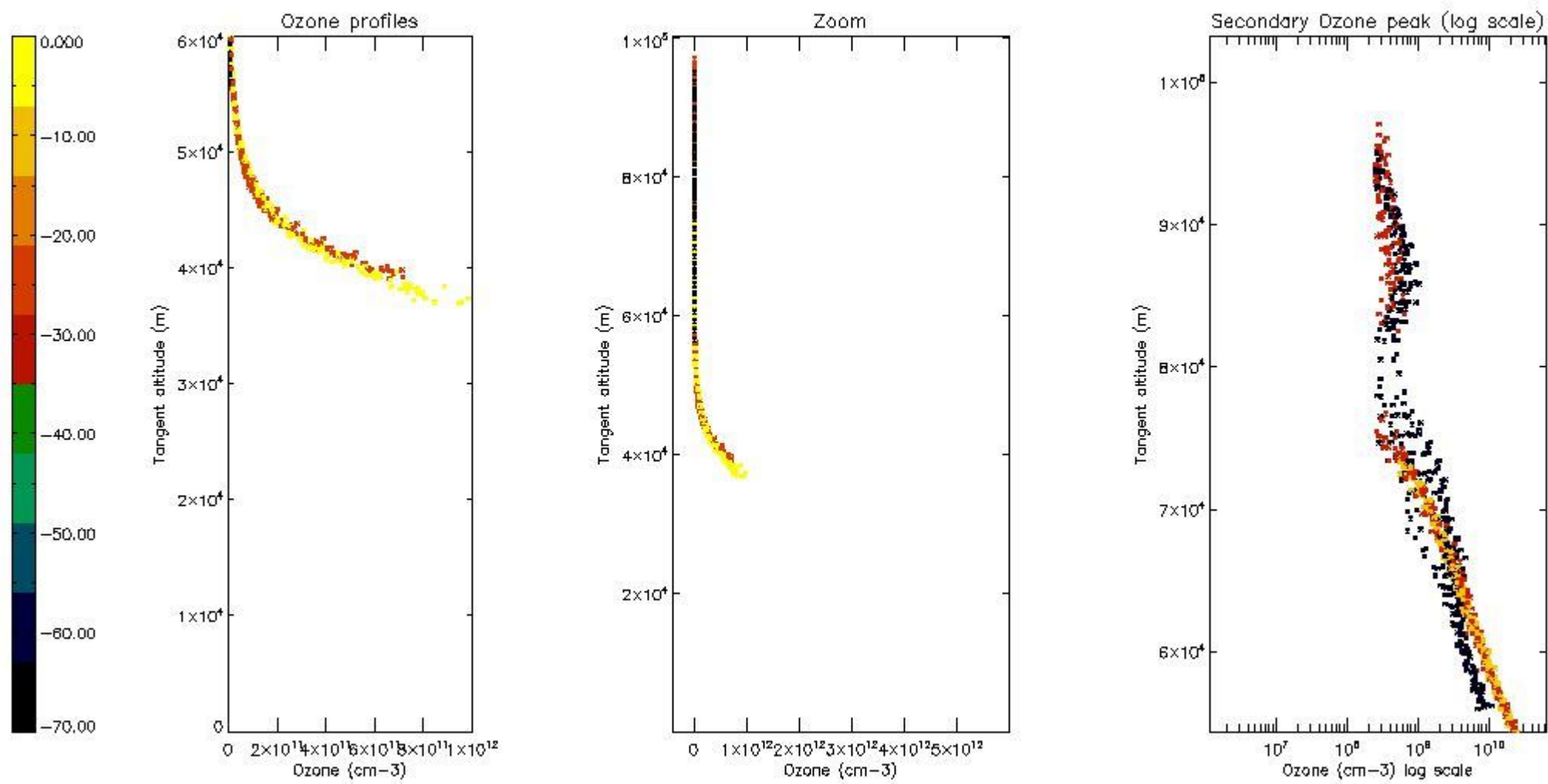
The colorbar represents the latitude.



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

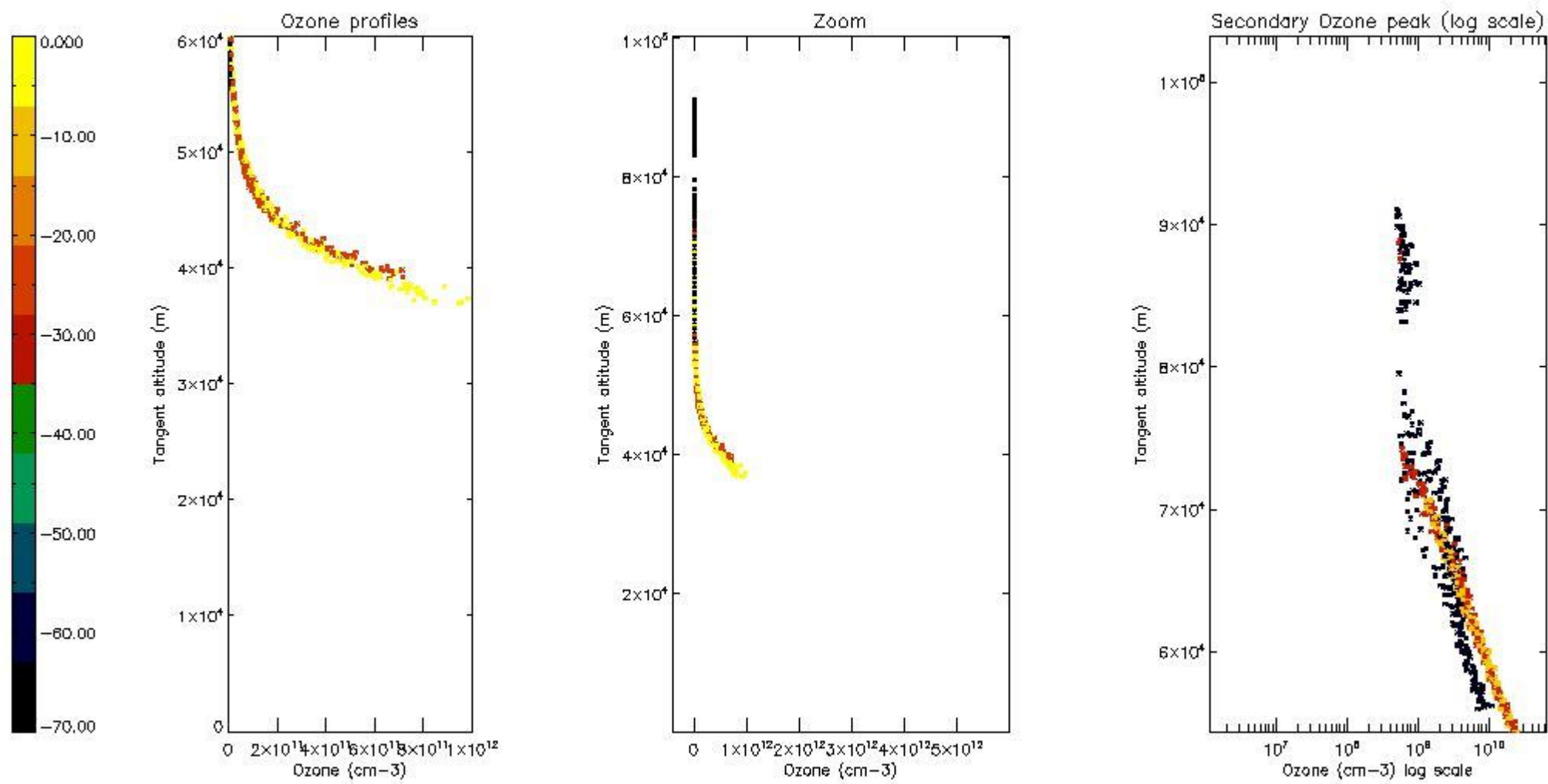
The colorbar represents the latitude.





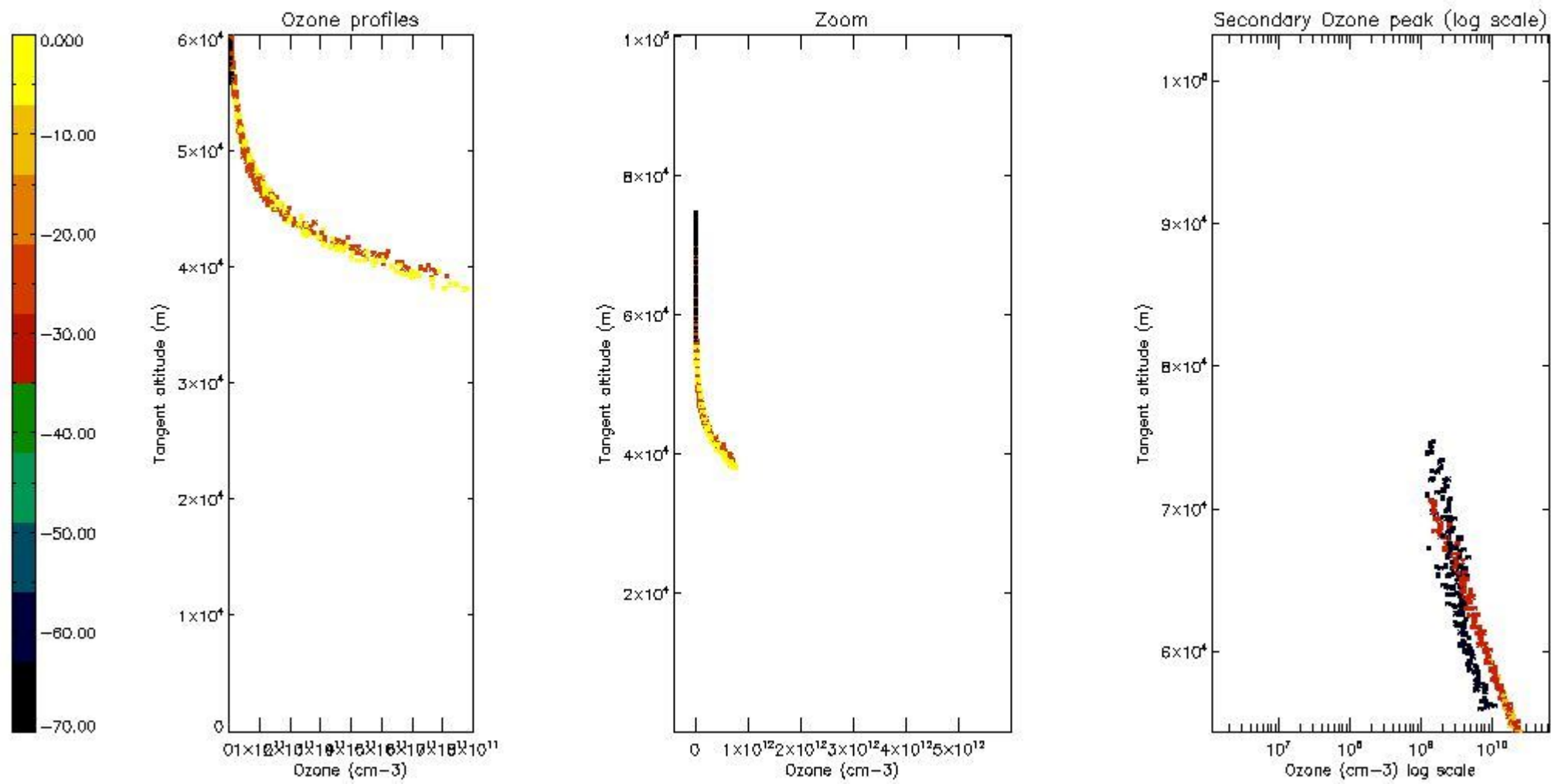
*5.4 Plot ozone profiles where STD < 10% (dark without errors)*

The colorbar represents the latitude.



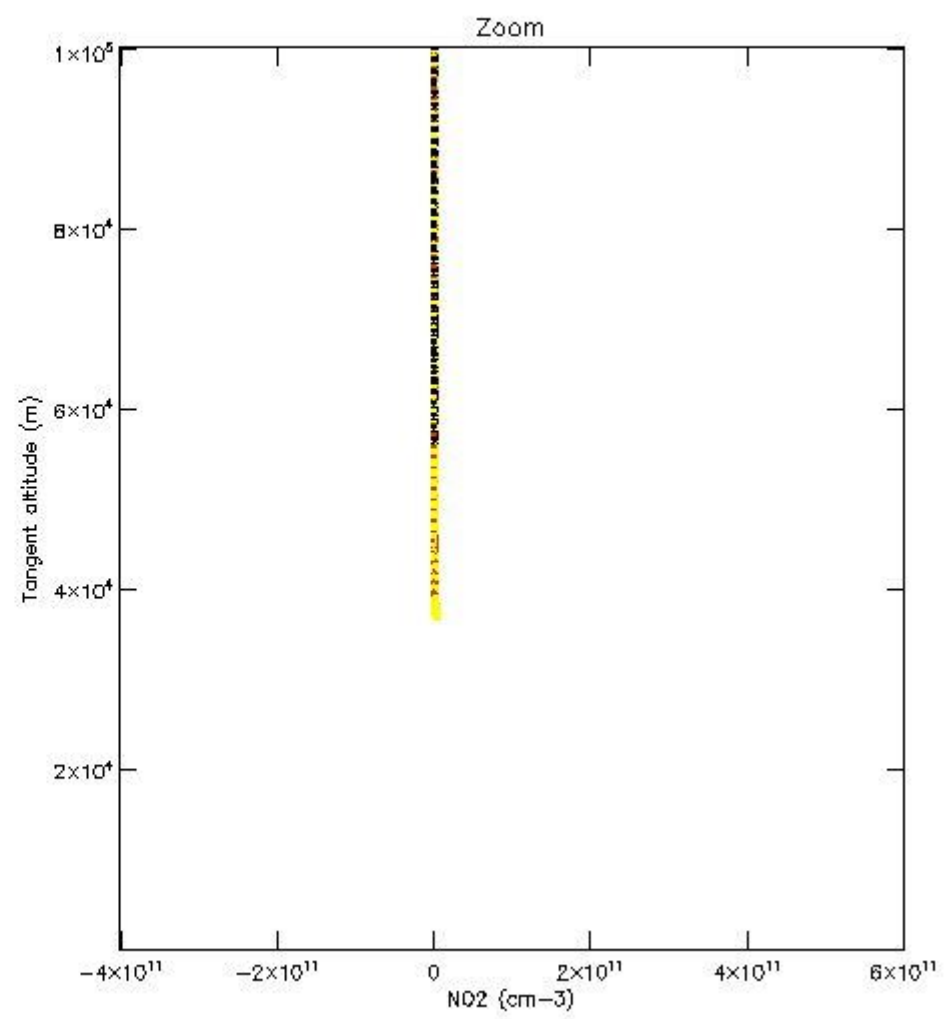
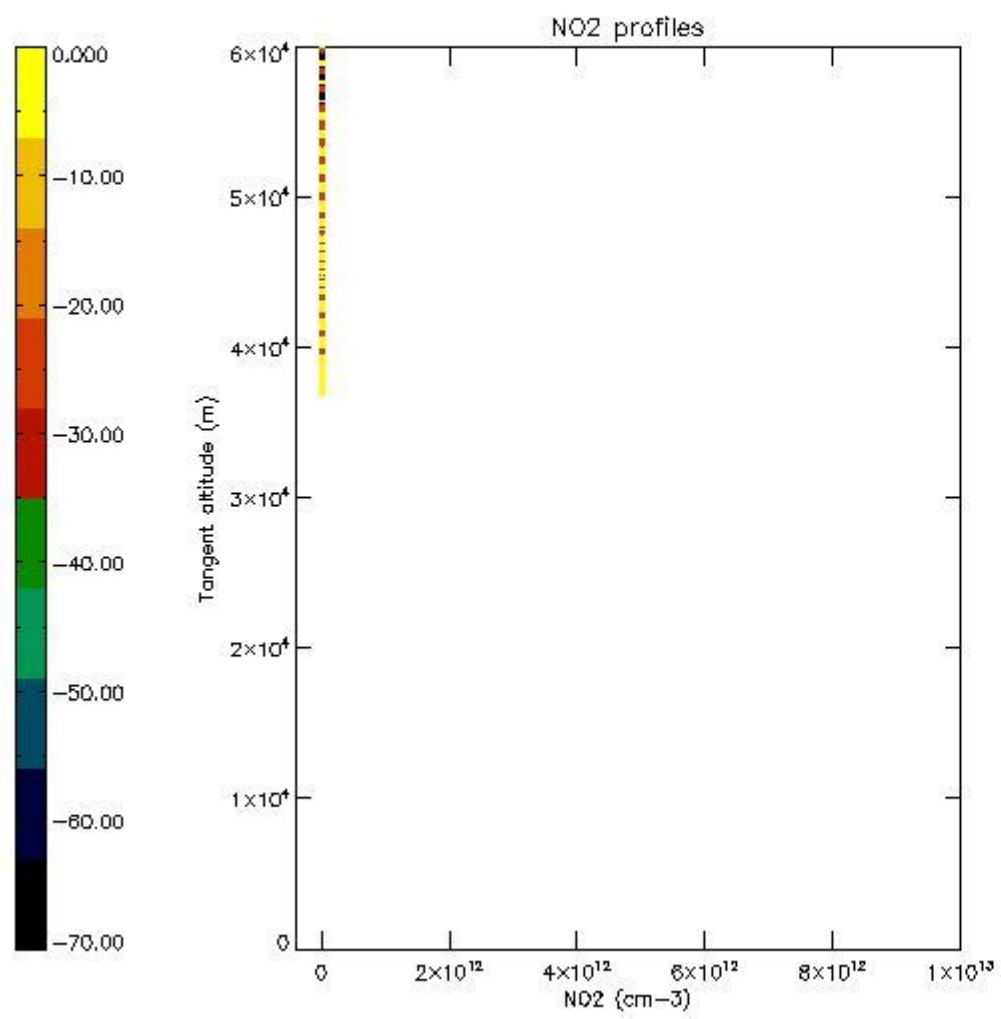
*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

The colorbar represents the latitude.



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

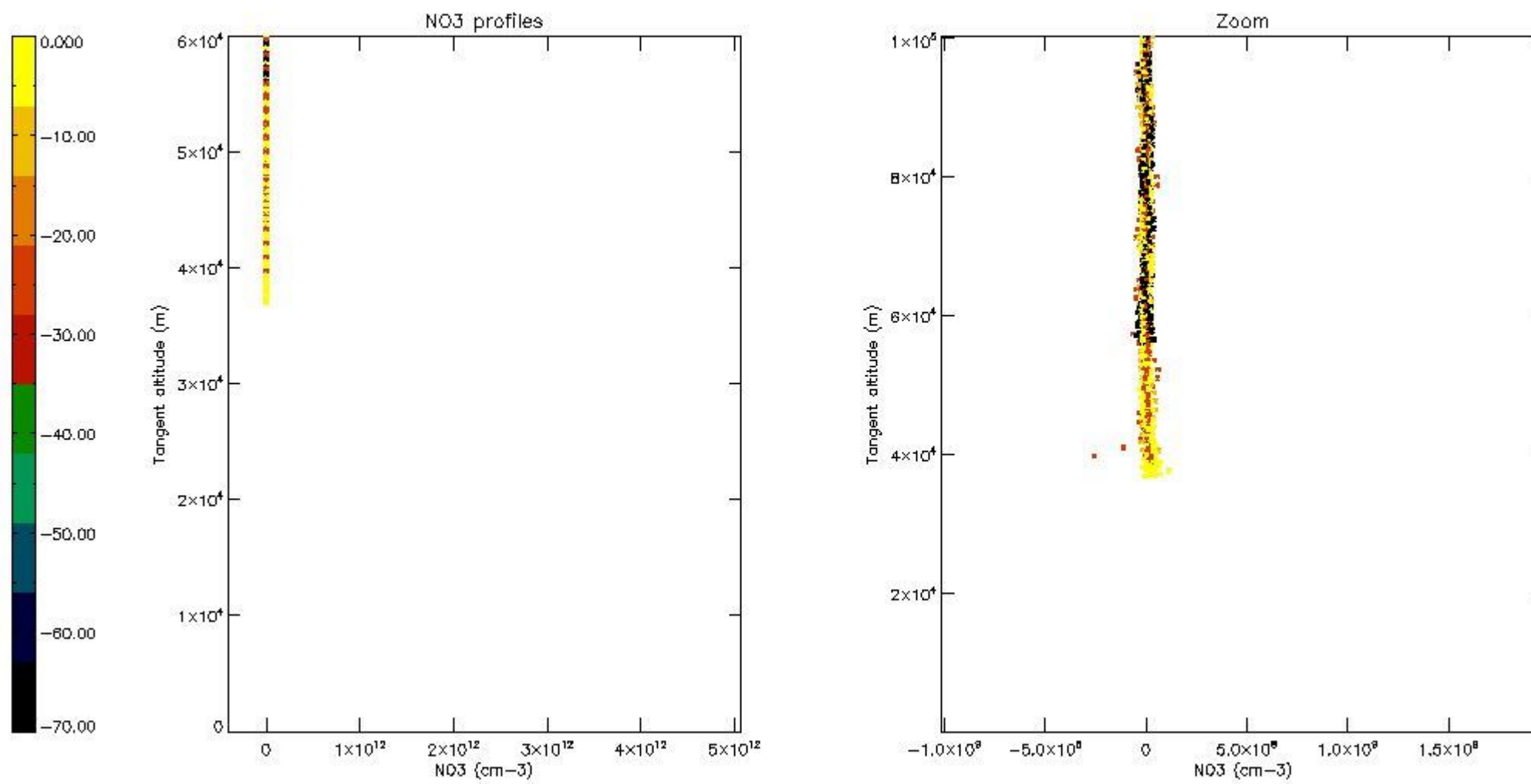
The colorbar represents the latitude.



*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	26-MAY-2009 00:01:08
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	26-MAY-2009 00:01:08
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	26-MAY-2009 00:01:08

# GOMOS Level 2 Daily Report

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

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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 09:46:29
Data source version	GOMOS/6.01
Start time of products	26-05-2009 (26MAY2009 00:00:00)
Stop time of products	27-05-2009 (27MAY2009 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	185
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__2PRFIN20090526_000108_000000332079_00202_37831_7863.N1	26-MAY-2009 00:01:08	Twilight	32.500	89	5Alp Cep	2.4510	8000.0	65	37831	No
2	GOM_NL__2PRFIN20090526_001530_000000282079_00202_37831_7864.N1	26-MAY-2009 00:15:30	Twilight	27.500	58	21Alp And	2.0730	11000.	55	37831	No
3	GOM_NL__2PRFIN20090526_002004_000000292079_00202_37831_7865.N1	26-MAY-2009 00:20:04	Dark	28.500	140	88Gam Peg	2.8340	26000.	57	37831	No
4	GOM_NL__2PRFIN20090526_003645_000000382079_00202_37831_7866.N1	26-MAY-2009 00:36:45	Dark	38.000	18	24Alp PsA	1.1660	9700.0	76	37831	No
5	GOM_NL__2PRFIN20090526_004222_000000412079_00203_37832_7905.N1	26-MAY-2009 00:42:22	Dark	41.000	172	Gam Gru	3.0030	13100.	82	37832	No
6	GOM_NL__2PRFIN20090526_005731_000000342079_00203_37832_7906.N1	26-MAY-2009 00:57:31	Straylight	34.000	178	lot1Sco	3.0220	6550.0	68	37832	No
7	GOM_NL__2PRFIN20090526_005852_000000342079_00203_37832_7907.N1	26-MAY-2009 00:58:52	Straylight	34.000	25	35Lam Sco	1.6200	28000.	68	37832	No
8	GOM_NL__2PRFIN20090526_010649_000000382079_00203_37832_7908.N1	26-MAY-2009 01:06:49	Bright	38.000	86	35Eta Oph	2.4300	10200.	76	37832	No
9	GOM_NL__2PRFIN20090526_010847_000000342079_00203_37832_7909.N1	26-MAY-2009 01:08:47	Bright	34.000	98	13Zet Oph	2.5710	30000.	68	37832	No
10	GOM_NL__2PRFIN20090526_011104_000000332079_00203_37832_7910.N1	26-MAY-2009 01:11:04	Bright	32.500	120	1Del Oph	2.7340	3200.0	65	37832	No
11	GOM_NL__2PRFIN20090526_011946_000000382079_00203_37832_7911.N1	26-MAY-2009 01:19:46	Bright	38.000	127	27Bet Her	2.7810	4700.0	76	37832	No
12	GOM_NL__2PRFIN20090526_012324_000000392079_00203_37832_7912.N1	26-MAY-2009 01:23:24	Bright	39.000	133	40Zet Her	2.8070	6000.0	78	37832	No
13	GOM_NL__2PRFIN20090526_013102_000000382079_00203_37832_7913.N1	26-MAY-2009 01:31:02	Bright	38.000	130	23Bet Dra	2.7990	5800.0	76	37832	No
14	GOM_NL__2PRFIN20090526_014143_000000332079_00203_37832_7914.N1	26-MAY-2009 01:41:43	Bright	33.000	89	5Alp Cep	2.4510	8000.0	66	37832	No
15	GOM_NL__2PRFIN20090526_015605_000000292079_00203_37832_7915.N1	26-MAY-2009 01:56:05	Twilight	28.500	58	21Alp And	2.0730	11000.	57	37832	No
16	GOM_NL__2PRFIN20090526_020040_000000282079_00203_37832_7916.N1	26-MAY-2009 02:00:40	Dark	28.000	140	88Gam Peg	2.8340	26000.	56	37832	No
17	GOM_NL__2PRFIN20090526_021722_000000392079_00203_37832_7917.N1	26-MAY-2009 02:17:22	Dark	38.500	18	24Alp PsA	1.1660	9700.0	77	37832	No
18	GOM_NL__2PRFIN20090526_022259_000000422079_00204_37833_7913.N1	26-MAY-2009 02:22:59	Dark	42.000	172	Gam Gru	3.0030	13100.	84	37833	No
19	GOM_NL__2PRFIN20090526_023808_000000352079_00204_37833_7914.N1	26-MAY-2009 02:38:08	Straylight	34.500	178	lot1Sco	3.0220	6550.0	69	37833	No
20	GOM_NL__2PRFIN20090526_023928_000000352079_00204_37833_7915.N1	26-MAY-2009 02:39:28	Straylight	34.500	25	35Lam Sco	1.6200	28000.	69	37833	No
21	GOM_NL__2PRFIN20090526_024725_000000382079_00204_37833_7916.N1	26-MAY-2009 02:47:25	Bright	37.500	86	35Eta Oph	2.4300	10200.	75	37833	No
22	GOM_NL__2PRFIN20090526_024923_000000352079_00204_37833_7917.N1	26-MAY-2009 02:49:23	Bright	34.500	98	13Zet Oph	2.5710	30000.	69	37833	No
23	GOM_NL__2PRFIN20090526_025139_000000332079_00204_37833_7918.N1	26-MAY-2009 02:51:39	Bright	33.000	120	1Del Oph	2.7340	3200.0	66	37833	No
24	GOM_NL__2PRFIN20090526_030022_000000382079_00204_37833_7919.N1	26-MAY-2009 03:00:22	Bright	38.000	127	27Bet Her	2.7810	4700.0	76	37833	No
25	GOM_NL__2PRFIN20090526_030359_000000392079_00204_37833_7920.N1	26-MAY-2009 03:03:59	Bright	39.000	133	40Zet Her	2.8070	6000.0	78	37833	No
26	GOM_NL__2PRFIN20090526_031138_000000372079_00204_37833_7921.N1	26-MAY-2009 03:11:38	Bright	37.000	130	23Bet Dra	2.7990	5800.0	74	37833	No
27	GOM_NL__2PRFIN20090526_032219_000000332079_00204_37833_7922.N1	26-MAY-2009 03:22:19	Bright	33.000	89	5Alp Cep	2.4510	8000.0	66	37833	No
28	GOM_NL__2PRFIN20090526_033642_000000282079_00204_37833_7923.N1	26-MAY-2009 03:36:42	Twilight	28.000	58	21Alp And	2.0730	11000.	56	37833	No
29	GOM_NL__2PRFIN20090526_034117_000000292079_00204_37833_7924.N1	26-MAY-2009 03:41:17	Dark	29.000	140	88Gam Peg	2.8340	26000.	58	37833	No
30	GOM_NL__2PRFIN20090526_035759_000000382079_00204_37833_7925.N1	26-MAY-2009 03:57:59	Dark	38.000	18	24Alp PsA	1.1660	9700.0	76	37833	No
31	GOM_NL__2PRFIN20090526_040337_000000422079_00205_37834_7921.N1	26-MAY-2009 04:03:37	Dark	42.000	172	Gam Gru	3.0030	13100.	84	37834	No
32	GOM_NL__2PRFIN20090526_041844_000000352079_00205_37834_7922.N1	26-MAY-2009 04:18:44	Straylight	34.500	178	lot1Sco	3.0220	6550.0	69	37834	No
33	GOM_NL__2PRFIN20090526_042005_000000342079_00205_37834_7923.N1	26-MAY-2009 04:20:05	Straylight	34.000	25	35Lam Sco	1.6200	28000.	68	37834	No
34	GOM_NL__2PRFIN20090526_042801_000000382079_00205_37834_7924.N1	26-MAY-2009 04:28:01	Bright	37.500	86	35Eta Oph	2.4300	10200.	75	37834	No
35	GOM_NL__2PRFIN20090526_042959_000000342079_00205_37834_7925.N1	26-MAY-2009 04:29:59	Bright	34.000	98	13Zet Oph	2.5710	30000.	68	37834	No
36	GOM_NL__2PRFIN20090526_043215_000000332079_00205_37834_7926.N1	26-MAY-2009 04:32:15	Bright	33.000	120	1Del Oph	2.7340	3200.0	66	37834	No
37	GOM_NL__2PRFIN20090526_044057_000000382079_00205_37834_7927.N1	26-MAY-2009 04:40:57	Bright	38.000	127	27Bet Her	2.7810	4700.0	76	37834	No
38	GOM_NL__2PRFIN20090526_044434_000000392079_00205_37834_7928.N1	26-MAY-2009 04:44:34	Bright	39.000	133	40Zet Her	2.8070	6000.0	78	37834	No
39	GOM_NL__2PRFIN20090526_045213_000000382079_00205_37834_7929.N1	26-MAY-2009 04:52:13	Bright	37.500	130	23Bet Dra	2.7990	5800.0	75	37834	No
40	GOM_NL__2PRFIN20090526_050254_000000342079_00205_37834_7930.N1	26-MAY-2009 05:02:54	Bright	33.500	89	5Alp Cep	2.4510	8000.0	67	37834	No
41	GOM_NL__2PRFIN20090526_051718_000000282079_00205_37834_7931.N1	26-MAY-2009 05:17:18	Twilight	28.000	58	21Alp And	2.0730	11000.	56	37834	No
42	GOM_NL__2PRFIN20090526_052153_000000292079_00205_37834_7932.N1	26-MAY-2009 05:21:53	Dark	29.000	140	88Gam Peg	2.8340	26000.	58	37834	No

43	GOM_NL__2PRFIN20090526_053836_000000392079_00205_37834_7933.N1	26-MAY-2009 05:38:36	Dark	38.500	18	24Alp PsA	1.1660	9700.0	77	37834	No
44	GOM_NL__2PRFIN20090526_054414_000000422079_00206_37835_7929.N1	26-MAY-2009 05:44:14	Dark	42.000	172	Gam Gru	3.0030	13100.	84	37835	No
45	GOM_NL__2PRFIN20090526_055921_000000352079_00206_37835_7930.N1	26-MAY-2009 05:59:21	Straylight	34.500	178	lot1Sco	3.0220	6550.0	69	37835	No
46	GOM_NL__2PRFIN20090526_060041_000000352079_00206_37835_7931.N1	26-MAY-2009 06:00:41	Straylight	34.500	25	35Lam Sco	1.6200	28000.	69	37835	No
47	GOM_NL__2PRFIN20090526_060838_000000382079_00206_37835_7932.N1	26-MAY-2009 06:08:38	Bright	37.500	86	35Eta Oph	2.4300	10200.	75	37835	No
48	GOM_NL__2PRFIN20090526_061035_000000342079_00206_37835_7933.N1	26-MAY-2009 06:10:35	Bright	34.000	98	13Zet Oph	2.5710	30000.	68	37835	No
49	GOM_NL__2PRFIN20090526_061251_000000332079_00206_37835_7934.N1	26-MAY-2009 06:12:51	Bright	33.000	120	1Del Oph	2.7340	3200.0	66	37835	No
50	GOM_NL__2PRFIN20090526_062133_000000382079_00206_37835_7935.N1	26-MAY-2009 06:21:33	Bright	37.500	127	27Bet Her	2.7810	4700.0	75	37835	No
51	GOM_NL__2PRFIN20090526_062510_000000392079_00206_37835_7936.N1	26-MAY-2009 06:25:10	Bright	38.500	133	40Zet Her	2.8070	6000.0	77	37835	No
52	GOM_NL__2PRFIN20090526_063248_000000382079_00206_37835_7937.N1	26-MAY-2009 06:32:48	Bright	37.500	130	23Bet Dra	2.7990	5800.0	75	37835	No
53	GOM_NL__2PRFIN20090526_064330_000000332079_00206_37835_7938.N1	26-MAY-2009 06:43:30	Bright	33.000	89	5Alp Cep	2.4510	8000.0	66	37835	No
54	GOM_NL__2PRFIN20090526_065754_000000282079_00206_37835_7939.N1	26-MAY-2009 06:57:54	Tw_i_and_stray	28.000	58	21Alp And	2.0730	11000.	56	37835	No
55	GOM_NL__2PRFIN20090526_070230_000000292079_00206_37835_7940.N1	26-MAY-2009 07:02:30	Dark	28.500	140	88Gam Peg	2.8340	26000.	57	37835	No
56	GOM_NL__2PRFIN20090526_071913_000000382079_00206_37835_7941.N1	26-MAY-2009 07:19:13	Dark	38.000	18	24Alp PsA	1.1660	9700.0	76	37835	No
57	GOM_NL__2PRFIN20090526_072452_000000422079_00207_37836_7938.N1	26-MAY-2009 07:24:52	Dark	41.500	172	Gam Gru	3.0030	13100.	83	37836	No
58	GOM_NL__2PRFIN20090526_073957_000000352079_00207_37836_7939.N1	26-MAY-2009 07:39:57	Straylight	34.500	178	lot1Sco	3.0220	6550.0	69	37836	No
59	GOM_NL__2PRFIN20090526_074117_000000352079_00207_37836_7940.N1	26-MAY-2009 07:41:17	Straylight	34.500	25	35Lam Sco	1.6200	28000.	69	37836	No
60	GOM_NL__2PRFIN20090526_074914_000000382079_00207_37836_7941.N1	26-MAY-2009 07:49:14	Bright	37.500	86	35Eta Oph	2.4300	10200.	75	37836	No
61	GOM_NL__2PRFIN20090526_075111_000000342079_00207_37836_7942.N1	26-MAY-2009 07:51:11	Bright	34.000	98	13Zet Oph	2.5710	30000.	68	37836	No
62	GOM_NL__2PRFIN20090526_075327_000000332079_00207_37836_7943.N1	26-MAY-2009 07:53:27	Bright	32.500	120	1Del Oph	2.7340	3200.0	65	37836	No
63	GOM_NL__2PRFIN20090526_080208_000000372079_00207_37836_7944.N1	26-MAY-2009 08:02:08	Bright	37.000	127	27Bet Her	2.7810	4700.0	74	37836	No
64	GOM_NL__2PRFIN20090526_080545_000000392079_00207_37836_7945.N1	26-MAY-2009 08:05:45	Bright	38.500	133	40Zet Her	2.8070	6000.0	77	37836	No
65	GOM_NL__2PRFIN20090526_081323_000000382079_00207_37836_7946.N1	26-MAY-2009 08:13:23	Bright	37.500	130	23Bet Dra	2.7990	5800.0	75	37836	No
66	GOM_NL__2PRFIN20090526_082405_000000332079_00207_37836_7947.N1	26-MAY-2009 08:24:05	Tw_i_and_stray	33.000	89	5Alp Cep	2.4510	8000.0	66	37836	No
67	GOM_NL__2PRFIN20090526_083830_000000282079_00207_37836_7948.N1	26-MAY-2009 08:38:30	Tw_i_and_stray	28.000	58	21Alp And	2.0730	11000.	56	37836	No
68	GOM_NL__2PRFIN20090526_084306_000000292079_00207_37836_7949.N1	26-MAY-2009 08:43:06	Dark	28.500	140	88Gam Peg	2.8340	26000.	57	37836	No
69	GOM_NL__2PRFIN20090526_085950_000000392079_00207_37836_7950.N1	26-MAY-2009 08:59:50	Dark	38.500	18	24Alp PsA	1.1660	9700.0	77	37836	No
70	GOM_NL__2PRFIN20090526_090528_000000422079_00208_37837_7977.N1	26-MAY-2009 09:05:28	Dark	42.000	172	Gam Gru	3.0030	13100.	84	37837	No
71	GOM_NL__2PRFIN20090526_092034_000000352079_00208_37837_7978.N1	26-MAY-2009 09:20:34	Straylight	34.500	178	lot1Sco	3.0220	6550.0	69	37837	No
72	GOM_NL__2PRFIN20090526_092154_000000352079_00208_37837_7979.N1	26-MAY-2009 09:21:54	Straylight	34.500	25	35Lam Sco	1.6200	28000.	69	37837	No
73	GOM_NL__2PRFIN20090526_092950_000000382079_00208_37837_7980.N1	26-MAY-2009 09:29:50	Bright	37.500	86	35Eta Oph	2.4300	10200.	75	37837	No
74	GOM_NL__2PRFIN20090526_093147_000000342079_00208_37837_7981.N1	26-MAY-2009 09:31:47	Bright	34.000	98	13Zet Oph	2.5710	30000.	68	37837	No
75	GOM_NL__2PRFIN20090526_093403_000000332079_00208_37837_7982.N1	26-MAY-2009 09:34:03	Bright	33.000	120	1Del Oph	2.7340	3200.0	66	37837	No
76	GOM_NL__2PRFIN20090526_094244_000000372079_00208_37837_7983.N1	26-MAY-2009 09:42:44	Bright	37.000	127	27Bet Her	2.7810	4700.0	74	37837	No
77	GOM_NL__2PRFIN20090526_094621_000000392079_00208_37837_7984.N1	26-MAY-2009 09:46:21	Bright	38.500	133	40Zet Her	2.8070	6000.0	77	37837	No
78	GOM_NL__2PRFIN20090526_095359_000000382079_00208_37837_7985.N1	26-MAY-2009 09:53:59	Bright	37.500	130	23Bet Dra	2.7990	5800.0	75	37837	No
79	GOM_NL__2PRFIN20090526_100440_000000332079_00208_37837_7986.N1	26-MAY-2009 10:04:40	Bright	33.000	89	5Alp Cep	2.4510	8000.0	66	37837	No
80	GOM_NL__2PRFIN20090526_101906_000000282079_00208_37837_7987.N1	26-MAY-2009 10:19:06	Tw_i_and_stray	28.000	58	21Alp And	2.0730	11000.	56	37837	No
81	GOM_NL__2PRFIN20090526_102342_000000292079_00208_37837_7988.N1	26-MAY-2009 10:23:42	Dark	29.000	140	88Gam Peg	2.8340	26000.	58	37837	No
82	GOM_NL__2PRFIN20090526_104027_000000392079_00208_37837_7989.N1	26-MAY-2009 10:40:27	Dark	38.500	18	24Alp PsA	1.1660	9700.0	77	37837	No
83	GOM_NL__2PRFIN20090526_104606_000000422079_00209_37838_8011.N1	26-MAY-2009 10:46:06	Dark	41.500	172	Gam Gru	3.0030	13100.	83	37838	No
84	GOM_NL__2PRFIN20090526_110110_000000352079_00209_37838_8012.N1	26-MAY-2009 11:01:10	Straylight	34.500	178	lot1Sco	3.0220	6550.0	69	37838	No
85	GOM_NL__2PRFIN20090526_110230_000000352079_00209_37838_8013.N1	26-MAY-2009 11:02:30	Straylight	34.500	25	35Lam Sco	1.6200	28000.	69	37838	No
86	GOM_NL__2PRFIN20090526_111026_000000382079_00209_37838_8014.N1	26-MAY-2009 11:10:26	Bright	37.500	86	35Eta Oph	2.4300	10200.	75	37838	No
87	GOM_NL__2PRFIN20090526_111222_000000352079_00209_37838_8015.N1	26-MAY-2009 11:12:22	Bright	34.500	98	13Zet Oph	2.5710	30000.	69	37838	No
88	GOM_NL__2PRFIN20090526_111439_000000332079_00209_37838_8016.N1	26-MAY-2009 11:14:39	Bright	33.000	120	1Del Oph	2.7340	3200.0	66	37838	No
89	GOM_NL__2PRFIN20090526_112319_000000372079_00209_37838_8017.N1	26-MAY-2009 11:23:19	Bright	37.000	127	27Bet Her	2.7810	4700.0	74	37838	No
90	GOM_NL__2PRFIN20090526_112656_000000382079_00209_37838_8018.N1	26-MAY-2009 11:26:56	Bright	38.000	133	40Zet Her	2.8070	6000.0	76	37838	No
91	GOM_NL__2PRFIN20090526_113434_000000372079_00209_37838_8019.N1	26-MAY-2009 11:34:34	Bright	37.000	130	23Bet Dra	2.7990	5800.0	74	37838	No
92	GOM_NL__2PRFIN20090526_114516_000000332079_00209_37838_8020.N1	26-MAY-2009 11:45:16	Tw_i_and_stray	32.500	89	5Alp Cep	2.4510	8000.0	65	37838	No
93	GOM_NL__2PRFIN20090526_115942_000000282079_00209_37838_8021.N1	26-MAY-2009 11:59:42	Tw_i_and_stray	28.000	58	21Alp And	2.0730	11000.	56	37838	No
94	GOM_NL__2PRFIN20090526_120418_000000292079_00209_37838_8022.N1	26-MAY-2009 12:04:18	Dark	29.000	140	88Gam Peg	2.8340	26000.	58	37838	No
95	GOM_NL__2PRFIN20090526_122104_000000382079_00209_37838_8023.N1	26-MAY-2009 12:21:04	Dark	38.000	18	24Alp PsA	1.1660	9700.0	76	37838	No
96	GOM_NL__2PRFIN20090526_122643_000000422079_00210_37839_8025.N1	26-MAY-2009 12:26:43	Dark	41.500	172	Gam Gru	3.0030	13100.	83	37839	No
97	GOM_NL__2PRFIN20090526_124146_000000342079_00210_37839_8026.N1	26-MAY-2009 12:41:46	Straylight	34.000	178	lot1Sco	3.0220	6550.0	68	37839	No
98	GOM_NL__2PRFIN20090526_124307_000000342079_00210_37839_8027.N1	26-MAY-2009 12:43:07	Straylight	34.000	25	35Lam Sco	1.6200	28000.	68	37839	No
99	GOM_NL__2PRFIN20090526_125102_000000372079_00210_37839_8028.N1	26-MAY-2009 12:51:02	Bright	37.000	86	35Eta Oph	2.4300	10200.	74	37839	No
100	GOM_NL__2PRFIN20090526_125259_000000342079_00210_37839_8029.N1	26-MAY-2009 12:52:59	Bright	33.500	98	13Zet Oph	2.5710	30000.	67	37839	No
101	GOM_NL__2PRFIN20090526_125515_000000332079_00210_37839_8030.N1	26-MAY-2009 12:55:15	Bright	32.500	120	1Del Oph	2.7340	3200.0	65	37839	No



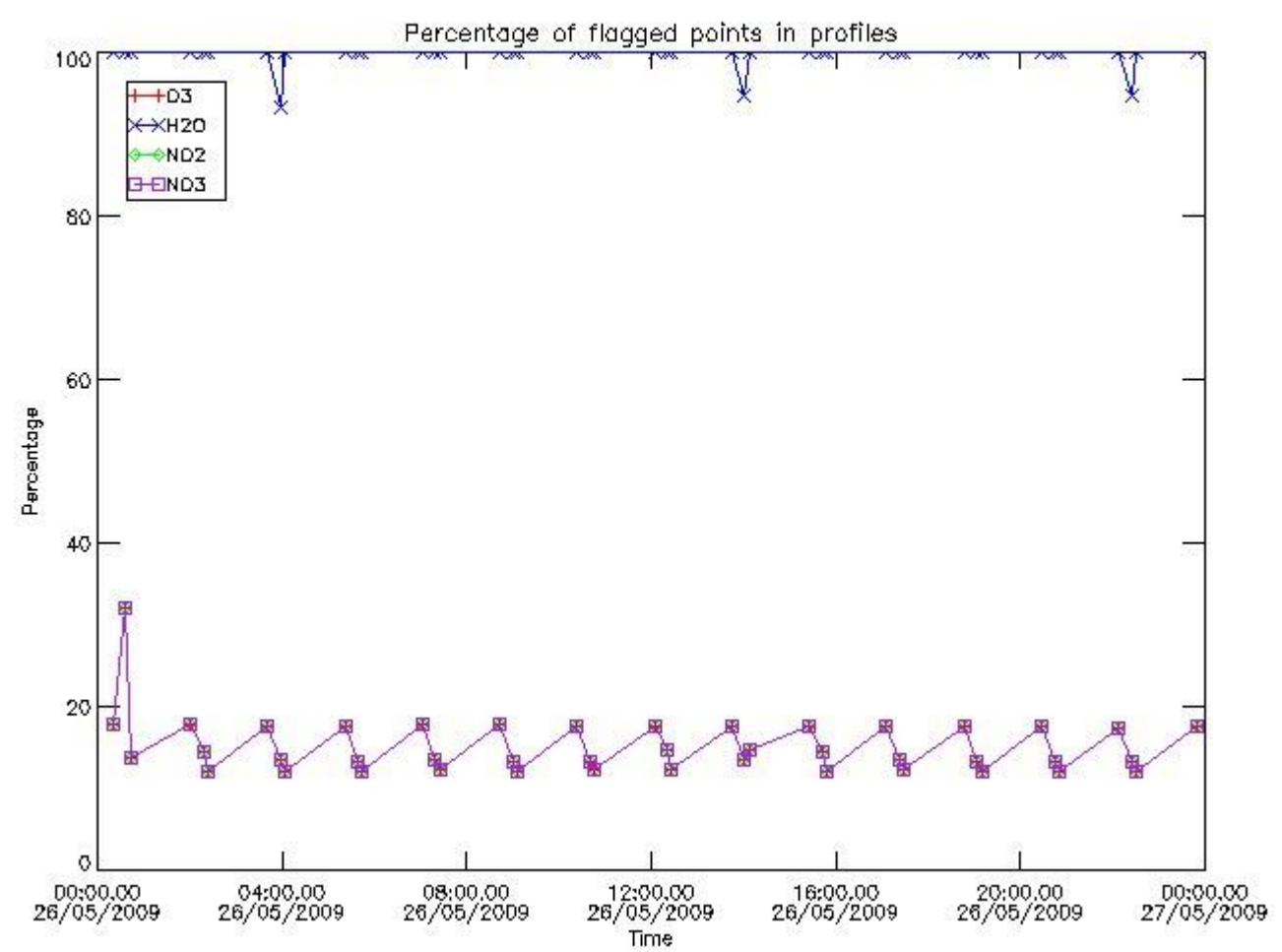
102	GOM_NL__2PRFIN20090526_130355_000000372079_00210_37839_8031.N1	26-MAY-2009 13:03:55	Bright	37.000	127	27Bet Her	2.7810	4700.0	74	37839	No
103	GOM_NL__2PRFIN20090526_130731_000000382079_00210_37839_8032.N1	26-MAY-2009 13:07:31	Bright	38.000	133	40Zet Her	2.8070	6000.0	76	37839	No
104	GOM_NL__2PRFIN20090526_131509_000000372079_00210_37839_8033.N1	26-MAY-2009 13:15:09	Bright	37.000	130	23Bet Dra	2.7990	5800.0	74	37839	No
105	GOM_NL__2PRFIN20090526_132551_000000332079_00210_37839_8034.N1	26-MAY-2009 13:25:51	Bright	33.000	89	5Alp Cep	2.4510	8000.0	66	37839	No
106	GOM_NL__2PRFIN20090526_134019_000000282079_00210_37839_8035.N1	26-MAY-2009 13:40:19	Twi_and_stray	28.000	58	21Alp And	2.0730	11000.	56	37839	No
107	GOM_NL__2PRFIN20090526_134455_000000292079_00210_37839_8036.N1	26-MAY-2009 13:44:55	Dark	29.000	140	88Gam Peg	2.8340	26000.	58	37839	No
108	GOM_NL__2PRFIN20090526_140142_000000382079_00210_37839_8037.N1	26-MAY-2009 14:01:42	Dark	37.500	18	24Alp PsA	1.1660	9700.0	75	37839	No
109	GOM_NL__2PRFIN20090526_140720_000000422079_00211_37840_8039.N1	26-MAY-2009 14:07:20	Dark	41.500	172	Gam Gru	3.0030	13100.	83	37840	No
110	GOM_NL__2PRFIN20090526_142223_000000352079_00211_37840_8040.N1	26-MAY-2009 14:22:23	Straylight	34.500	178	lot1Sco	3.0220	6550.0	69	37840	No
111	GOM_NL__2PRFIN20090526_142343_000000342079_00211_37840_8041.N1	26-MAY-2009 14:23:43	Straylight	34.000	25	35Lam Sco	1.6200	28000.	68	37840	No
112	GOM_NL__2PRFIN20090526_143138_000000302079_00211_37840_8042.N1	26-MAY-2009 14:31:38	Twi_and_stray	29.500	86	35Eta Oph	2.4300	10200.	59	37840	No
113	GOM_NL__2PRFIN20090526_143334_000000342079_00211_37840_8043.N1	26-MAY-2009 14:33:34	Bright	34.000	98	13Zet Oph	2.5710	30000.	68	37840	No
114	GOM_NL__2PRFIN20090526_143550_000000332079_00211_37840_8044.N1	26-MAY-2009 14:35:50	Bright	33.000	120	1Del Oph	2.7340	3200.0	66	37840	No
115	GOM_NL__2PRFIN20090526_144430_000000382079_00211_37840_8045.N1	26-MAY-2009 14:44:30	Bright	37.500	127	27Bet Her	2.7810	4700.0	75	37840	No
116	GOM_NL__2PRFIN20090526_144806_000000382079_00211_37840_8046.N1	26-MAY-2009 14:48:06	Bright	38.000	133	40Zet Her	2.8070	6000.0	76	37840	No
117	GOM_NL__2PRFIN20090526_145544_000000382079_00211_37840_8047.N1	26-MAY-2009 14:55:44	Bright	37.500	130	23Bet Dra	2.7990	5800.0	75	37840	No
118	GOM_NL__2PRFIN20090526_150626_000000332079_00211_37840_8048.N1	26-MAY-2009 15:06:26	Twi_and_stray	33.000	89	5Alp Cep	2.4510	8000.0	66	37840	No
119	GOM_NL__2PRFIN20090526_152055_000000282079_00211_37840_8049.N1	26-MAY-2009 15:20:55	Twi_and_stray	28.000	58	21Alp And	2.0730	11000.	56	37840	No
120	GOM_NL__2PRFIN20090526_152531_000000292079_00211_37840_8050.N1	26-MAY-2009 15:25:31	Dark	29.000	140	88Gam Peg	2.8340	26000.	58	37840	No
121	GOM_NL__2PRFIN20090526_154218_000000392079_00211_37840_8051.N1	26-MAY-2009 15:42:18	Dark	38.500	18	24Alp PsA	1.1660	9700.0	77	37840	No
122	GOM_NL__2PRFIN20090526_154757_000000422079_00212_37841_8053.N1	26-MAY-2009 15:47:57	Dark	42.000	172	Gam Gru	3.0030	13100.	84	37841	No
123	GOM_NL__2PRFIN20090526_160259_000000352079_00212_37841_8054.N1	26-MAY-2009 16:02:59	Straylight	34.500	178	lot1Sco	3.0220	6550.0	69	37841	No
124	GOM_NL__2PRFIN20090526_160419_000000342079_00212_37841_8055.N1	26-MAY-2009 16:04:19	Straylight	34.000	25	35Lam Sco	1.6200	28000.	68	37841	No
125	GOM_NL__2PRFIN20090526_161214_000000382079_00212_37841_8056.N1	26-MAY-2009 16:12:14	Bright	37.500	86	35Eta Oph	2.4300	10200.	75	37841	No
126	GOM_NL__2PRFIN20090526_161410_000000352079_00212_37841_8057.N1	26-MAY-2009 16:14:10	Bright	34.500	98	13Zet Oph	2.5710	30000.	69	37841	No
127	GOM_NL__2PRFIN20090526_161626_000000332079_00212_37841_8058.N1	26-MAY-2009 16:16:26	Bright	33.000	120	1Del Oph	2.7340	3200.0	66	37841	No
128	GOM_NL__2PRFIN20090526_162505_000000382079_00212_37841_8059.N1	26-MAY-2009 16:25:05	Bright	37.500	127	27Bet Her	2.7810	4700.0	75	37841	No
129	GOM_NL__2PRFIN20090526_162842_000000382079_00212_37841_8060.N1	26-MAY-2009 16:28:42	Bright	38.000	133	40Zet Her	2.8070	6000.0	76	37841	No
130	GOM_NL__2PRFIN20090526_163619_000000382079_00212_37841_8061.N1	26-MAY-2009 16:36:19	Bright	37.500	130	23Bet Dra	2.7990	5800.0	75	37841	No
131	GOM_NL__2PRFIN20090526_164702_000000342079_00212_37841_8062.N1	26-MAY-2009 16:47:02	Bright	33.500	89	5Alp Cep	2.4510	8000.0	67	37841	No
132	GOM_NL__2PRFIN20090526_170131_000000292079_00212_37841_8063.N1	26-MAY-2009 17:01:31	Twi_and_stray	28.500	58	21Alp And	2.0730	11000.	57	37841	No
133	GOM_NL__2PRFIN20090526_170607_000000292079_00212_37841_8064.N1	26-MAY-2009 17:06:07	Dark	29.000	140	88Gam Peg	2.8340	26000.	58	37841	No
134	GOM_NL__2PRFIN20090526_172256_000000382079_00212_37841_8065.N1	26-MAY-2009 17:22:56	Dark	38.000	18	24Alp PsA	1.1660	9700.0	76	37841	No
135	GOM_NL__2PRFIN20090526_172835_000000422079_00213_37842_8071.N1	26-MAY-2009 17:28:35	Dark	41.500	172	Gam Gru	3.0030	13100.	83	37842	No
136	GOM_NL__2PRFIN20090526_174336_000000352079_00213_37842_8072.N1	26-MAY-2009 17:43:36	Straylight	34.500	178	lot1Sco	3.0220	6550.0	69	37842	No
137	GOM_NL__2PRFIN20090526_174456_000000342079_00213_37842_8073.N1	26-MAY-2009 17:44:56	Straylight	34.000	25	35Lam Sco	1.6200	28000.	68	37842	No
138	GOM_NL__2PRFIN20090526_175250_000000372079_00213_37842_8074.N1	26-MAY-2009 17:52:50	Bright	37.000	86	35Eta Oph	2.4300	10200.	74	37842	No
139	GOM_NL__2PRFIN20090526_175447_000000342079_00213_37842_8075.N1	26-MAY-2009 17:54:47	Bright	33.500	98	13Zet Oph	2.5710	30000.	67	37842	No
140	GOM_NL__2PRFIN20090526_175702_000000332079_00213_37842_8076.N1	26-MAY-2009 17:57:02	Bright	32.500	120	1Del Oph	2.7340	3200.0	65	37842	No
141	GOM_NL__2PRFIN20090526_180541_000000372079_00213_37842_8077.N1	26-MAY-2009 18:05:41	Bright	37.000	127	27Bet Her	2.7810	4700.0	74	37842	No
142	GOM_NL__2PRFIN20090526_180917_000000382079_00213_37842_8078.N1	26-MAY-2009 18:09:17	Bright	37.500	133	40Zet Her	2.8070	6000.0	75	37842	No
143	GOM_NL__2PRFIN20090526_181654_000000372079_00213_37842_8079.N1	26-MAY-2009 18:16:54	Bright	37.000	130	23Bet Dra	2.7990	5800.0	74	37842	No
144	GOM_NL__2PRFIN20090526_182737_000000332079_00213_37842_8080.N1	26-MAY-2009 18:27:37	Twi_and_stray	33.000	89	5Alp Cep	2.4510	8000.0	66	37842	No
145	GOM_NL__2PRFIN20090526_184207_000000282079_00213_37842_8081.N1	26-MAY-2009 18:42:07	Twi_and_stray	28.000	58	21Alp And	2.0730	11000.	56	37842	No
146	GOM_NL__2PRFIN20090526_184644_000000292079_00213_37842_8082.N1	26-MAY-2009 18:46:44	Dark	29.000	140	88Gam Peg	2.8340	26000.	58	37842	No
147	GOM_NL__2PRFIN20090526_190332_000000392079_00213_37842_8083.N1	26-MAY-2009 19:03:32	Dark	38.500	18	24Alp PsA	1.1660	9700.0	77	37842	No
148	GOM_NL__2PRFIN20090526_190911_000000422079_00214_37843_8088.N1	26-MAY-2009 19:09:11	Dark	42.000	172	Gam Gru	3.0030	13100.	84	37843	No
149	GOM_NL__2PRFIN20090526_192412_000000342079_00214_37843_8089.N1	26-MAY-2009 19:24:12	Straylight	34.000	178	lot1Sco	3.0220	6550.0	68	37843	No
150	GOM_NL__2PRFIN20090526_192533_000000342079_00214_37843_8090.N1	26-MAY-2009 19:25:33	Straylight	34.000	25	35Lam Sco	1.6200	28000.	68	37843	No
151	GOM_NL__2PRFIN20090526_193325_000000382079_00214_37843_8091.N1	26-MAY-2009 19:33:25	Bright	37.500	86	35Eta Oph	2.4300	10200.	75	37843	No
152	GOM_NL__2PRFIN20090526_193522_000000342079_00214_37843_8092.N1	26-MAY-2009 19:35:22	Bright	34.000	98	13Zet Oph	2.5710	30000.	68	37843	No
153	GOM_NL__2PRFIN20090526_193738_000000332079_00214_37843_8093.N1	26-MAY-2009 19:37:38	Bright	33.000	120	1Del Oph	2.7340	3200.0	66	37843	No
154	GOM_NL__2PRFIN20090526_194616_000000372079_00214_37843_8094.N1	26-MAY-2009 19:46:16	Bright	37.000	127	27Bet Her	2.7810	4700.0	74	37843	No
155	GOM_NL__2PRFIN20090526_194952_000000382079_00214_37843_8095.N1	26-MAY-2009 19:49:52	Bright	38.000	133	40Zet Her	2.8070	6000.0	76	37843	No
156	GOM_NL__2PRFIN20090526_195730_000000382079_00214_37843_8096.N1	26-MAY-2009 19:57:30	Bright	37.500	130	23Bet Dra	2.7990	5800.0	75	37843	No
157	GOM_NL__2PRFIN20090526_200812_000000332079_00214_37843_8097.N1	26-MAY-2009 20:08:12	Twi_and_stray	33.000	89	5Alp Cep	2.4510	8000.0	66	37843	No
158	GOM_NL__2PRFIN20090526_202243_000000282079_00214_37843_8098.N1	26-MAY-2009 20:22:43	Twi_and_stray	28.000	58	21Alp And	2.0730	11000.	56	37843	No
159	GOM_NL__2PRFIN20090526_202720_000000292079_00214_37843_8099.N1	26-MAY-2009 20:27:20	Dark	29.000	140	88Gam Peg	2.8340	26000.	58	37843	No
160	GOM_NL__2PRFIN20090526_204409_000000392079_00214_37843_8100.N1	26-MAY-2009 20:44:09	Dark	38.500	18	24Alp PsA	1.1660	9700.0	77	37843	No

161	GOM_NL__2PRFIN20090526_204949_000000422079_00215_37844_8104.N1	26-MAY-2009 20:49:49	Dark	41.500	172	Gam Gru	3.0030	13100.	83	37844	No
162	GOM_NL__2PRFIN20090526_210449_000000342079_00215_37844_8105.N1	26-MAY-2009 21:04:49	Straylight	34.000	178	lot1Sco	3.0220	6550.0	68	37844	No
163	GOM_NL__2PRFIN20090526_210609_000000342079_00215_37844_8106.N1	26-MAY-2009 21:06:09	Straylight	33.500	25	35Lam Sco	1.6200	28000.	67	37844	No
164	GOM_NL__2PRFIN20090526_211401_000000382079_00215_37844_8107.N1	26-MAY-2009 21:14:01	Bright	37.500	86	35Eta Oph	2.4300	10200.	75	37844	No
165	GOM_NL__2PRFIN20090526_211558_000000342079_00215_37844_8108.N1	26-MAY-2009 21:15:58	Bright	34.000	98	13Zet Oph	2.5710	30000.	68	37844	No
166	GOM_NL__2PRFIN20090526_211814_000000332079_00215_37844_8109.N1	26-MAY-2009 21:18:14	Bright	32.500	120	1Del Oph	2.7340	3200.0	65	37844	No
167	GOM_NL__2PRFIN20090526_212652_000000372079_00215_37844_8110.N1	26-MAY-2009 21:26:52	Bright	37.000	127	27Bet Her	2.7810	4700.0	74	37844	No
168	GOM_NL__2PRFIN20090526_213028_000000382079_00215_37844_8111.N1	26-MAY-2009 21:30:28	Bright	38.000	133	40Zet Her	2.8070	6000.0	76	37844	No
169	GOM_NL__2PRFIN20090526_213805_000000382079_00215_37844_8112.N1	26-MAY-2009 21:38:05	Bright	37.500	130	23Bet Dra	2.7990	5800.0	75	37844	No
170	GOM_NL__2PRFIN20090526_214848_000000332079_00215_37844_8113.N1	26-MAY-2009 21:48:48	Tw_i_and_stray	33.000	89	5Alp Cep	2.4510	8000.0	66	37844	No
171	GOM_NL__2PRFIN20090526_220319_000000282079_00215_37844_8114.N1	26-MAY-2009 22:03:19	Tw_i_and_stray	28.000	58	21Alp And	2.0730	11000.	56	37844	No
172	GOM_NL__2PRFIN20090526_220756_000000302079_00215_37844_8115.N1	26-MAY-2009 22:07:56	Dark	29.500	140	88Gam Peg	2.8340	26000.	59	37844	No
173	GOM_NL__2PRFIN20090526_222447_000000392079_00215_37844_8116.N1	26-MAY-2009 22:24:47	Dark	38.500	18	24Alp PsA	1.1660	9700.0	77	37844	No
174	GOM_NL__2PRFIN20090526_223026_000000422079_00216_37845_8120.N1	26-MAY-2009 22:30:26	Dark	42.000	172	Gam Gru	3.0030	13100.	84	37845	No
175	GOM_NL__2PRFIN20090526_224525_000000352079_00216_37845_8121.N1	26-MAY-2009 22:45:25	Straylight	34.500	178	lot1Sco	3.0220	6550.0	69	37845	No
176	GOM_NL__2PRFIN20090526_224646_000000342079_00216_37845_8122.N1	26-MAY-2009 22:46:46	Straylight	33.500	25	35Lam Sco	1.6200	28000.	67	37845	No
177	GOM_NL__2PRFIN20090526_225437_000000382079_00216_37845_8123.N1	26-MAY-2009 22:54:37	Bright	37.500	86	35Eta Oph	2.4300	10200.	75	37845	No
178	GOM_NL__2PRFIN20090526_225634_000000342079_00216_37845_8124.N1	26-MAY-2009 22:56:34	Bright	34.000	98	13Zet Oph	2.5710	30000.	68	37845	No
179	GOM_NL__2PRFIN20090526_225850_000000332079_00216_37845_8125.N1	26-MAY-2009 22:58:50	Bright	32.500	120	1Del Oph	2.7340	3200.0	65	37845	No
180	GOM_NL__2PRFIN20090526_230727_000000372079_00216_37845_8126.N1	26-MAY-2009 23:07:27	Bright	37.000	127	27Bet Her	2.7810	4700.0	74	37845	No
181	GOM_NL__2PRFIN20090526_231103_000000382079_00216_37845_8127.N1	26-MAY-2009 23:11:03	Bright	38.000	133	40Zet Her	2.8070	6000.0	76	37845	No
182	GOM_NL__2PRFIN20090526_231840_000000382079_00216_37845_8128.N1	26-MAY-2009 23:18:40	Bright	37.500	130	23Bet Dra	2.7990	5800.0	75	37845	No
183	GOM_NL__2PRFIN20090526_232923_000000332079_00216_37845_8129.N1	26-MAY-2009 23:29:23	Tw_i_and_stray	33.000	89	5Alp Cep	2.4510	8000.0	66	37845	No
184	GOM_NL__2PRFIN20090526_234356_000000282079_00216_37845_8130.N1	26-MAY-2009 23:43:56	Tw_i_and_stray	28.000	58	21Alp And	2.0730	11000.	56	37845	No
185	GOM_NL__2PRFIN20090526_234833_000000292079_00216_37845_8131.N1	26-MAY-2009 23:48:33	Dark	29.000	140	88Gam Peg	2.8340	26000.	58	37845	No

### 3. Quality information per product

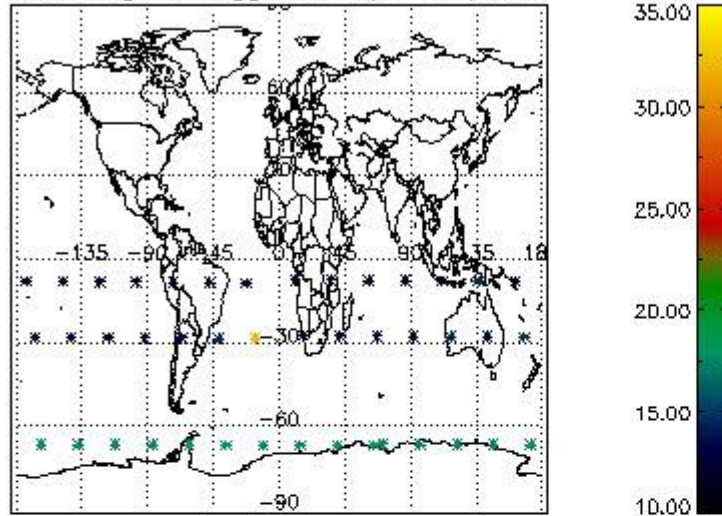
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

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

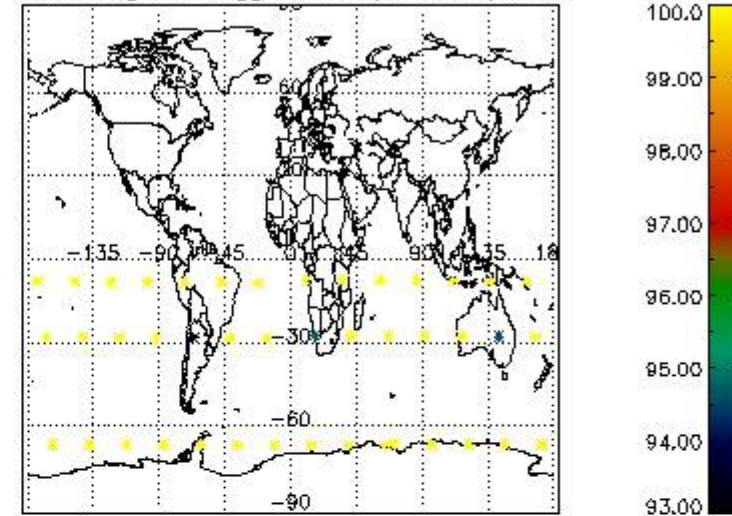


3.2 Plot quality information per product (world map)

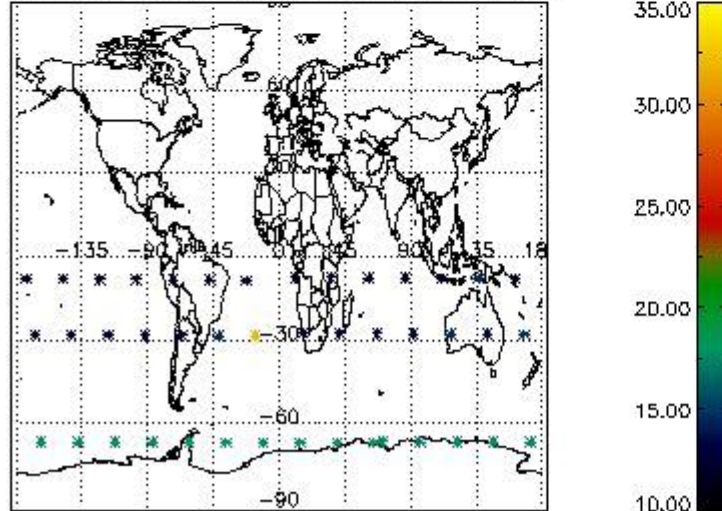
Percentage of flagged data per O3 profile



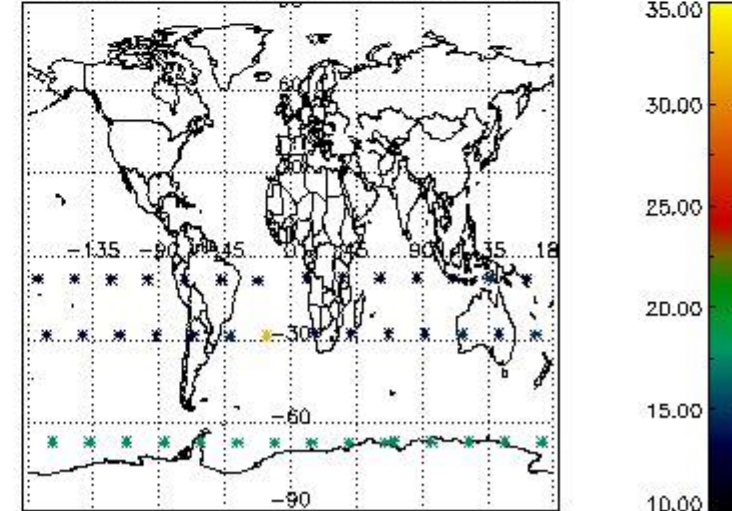
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile



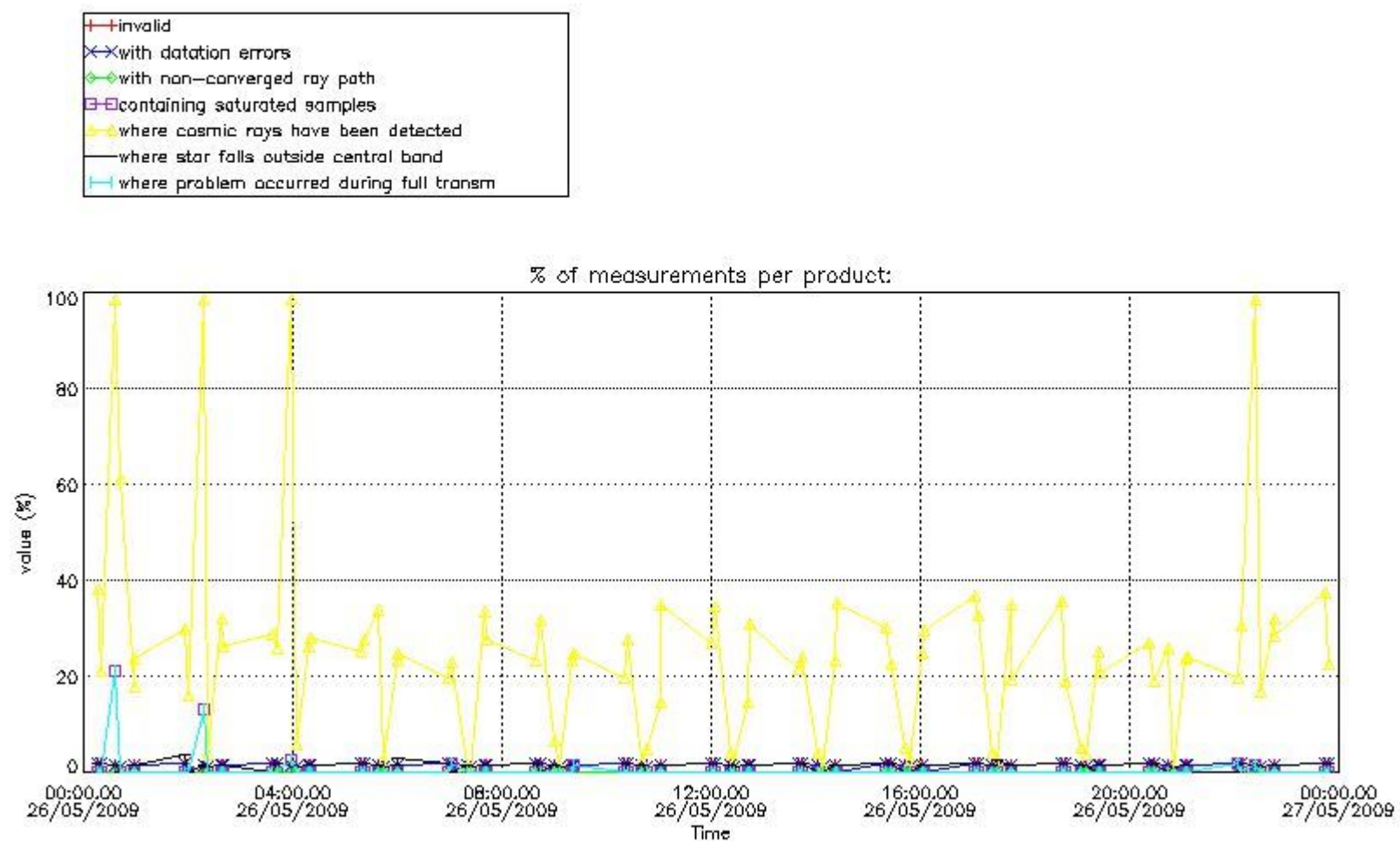
#### 4. Level 1 quality information per product

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

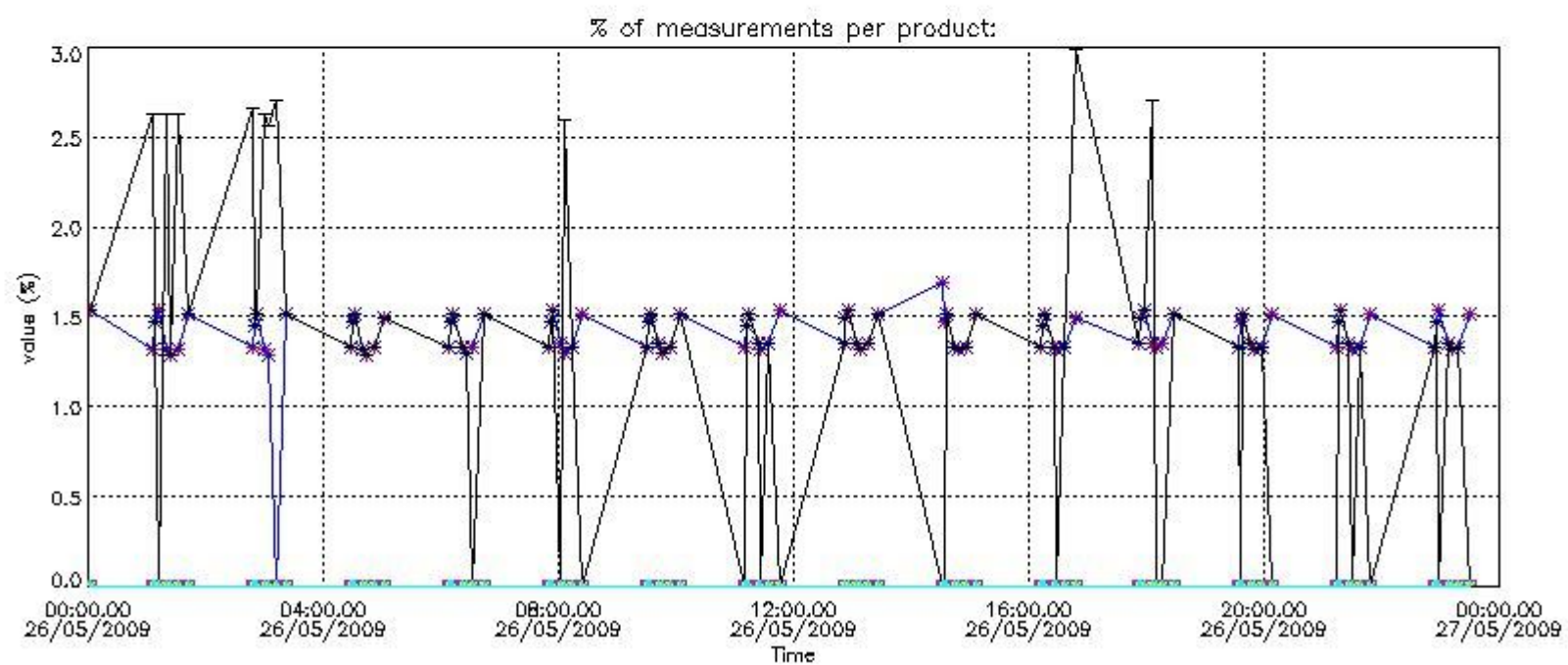
##### 4.1 Plot quality information per product (time dependant) coming from level 1b processing

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





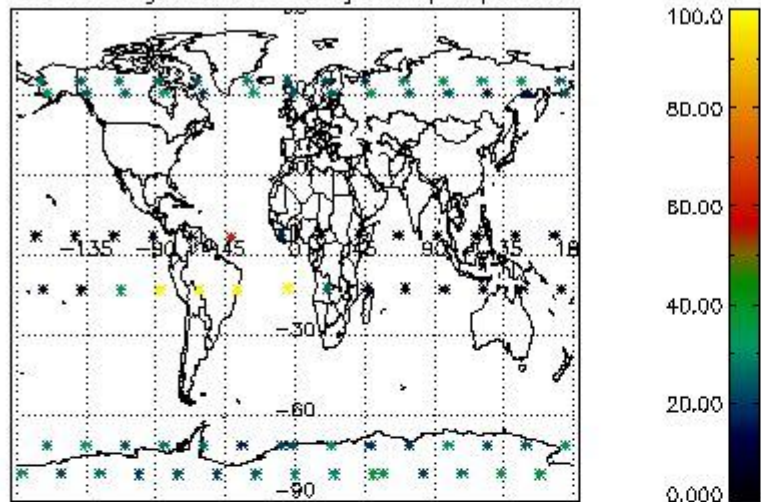
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



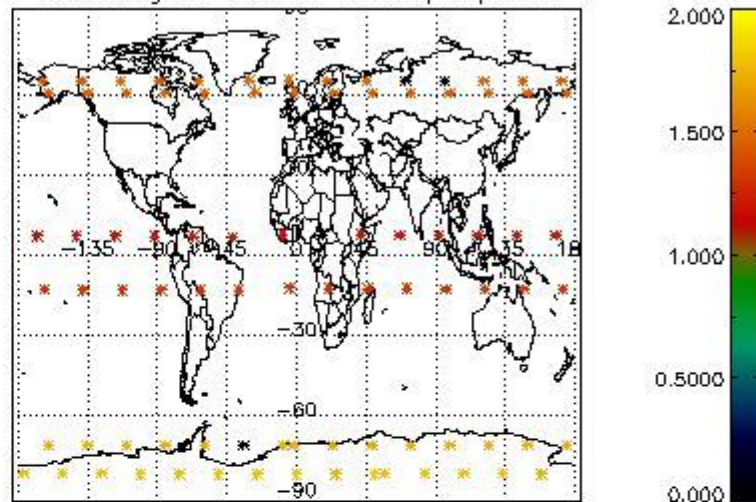
*4.2 Plot quality information per product coming from level 1b processing (world map)*

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

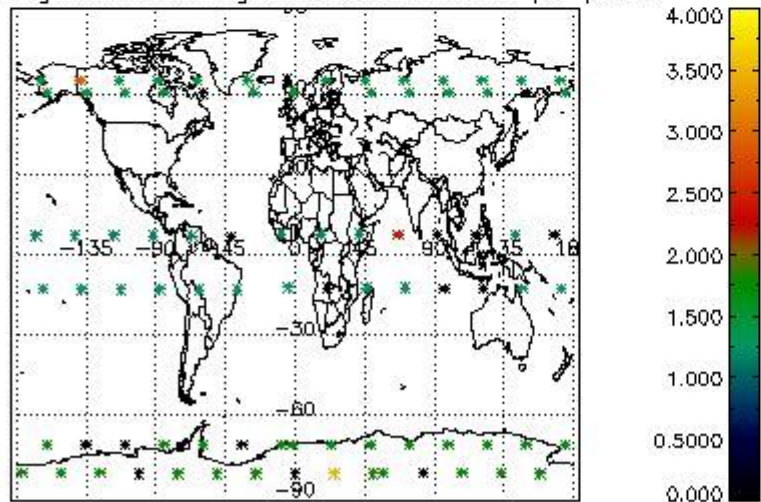
Percentage of cosmic ray hits per profile



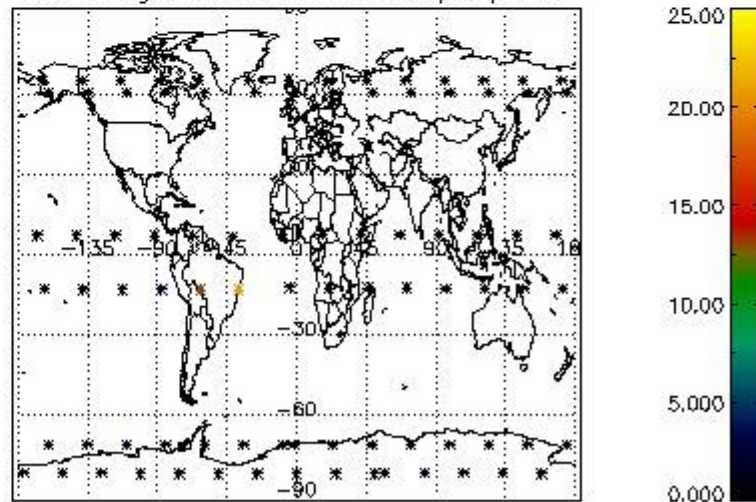
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

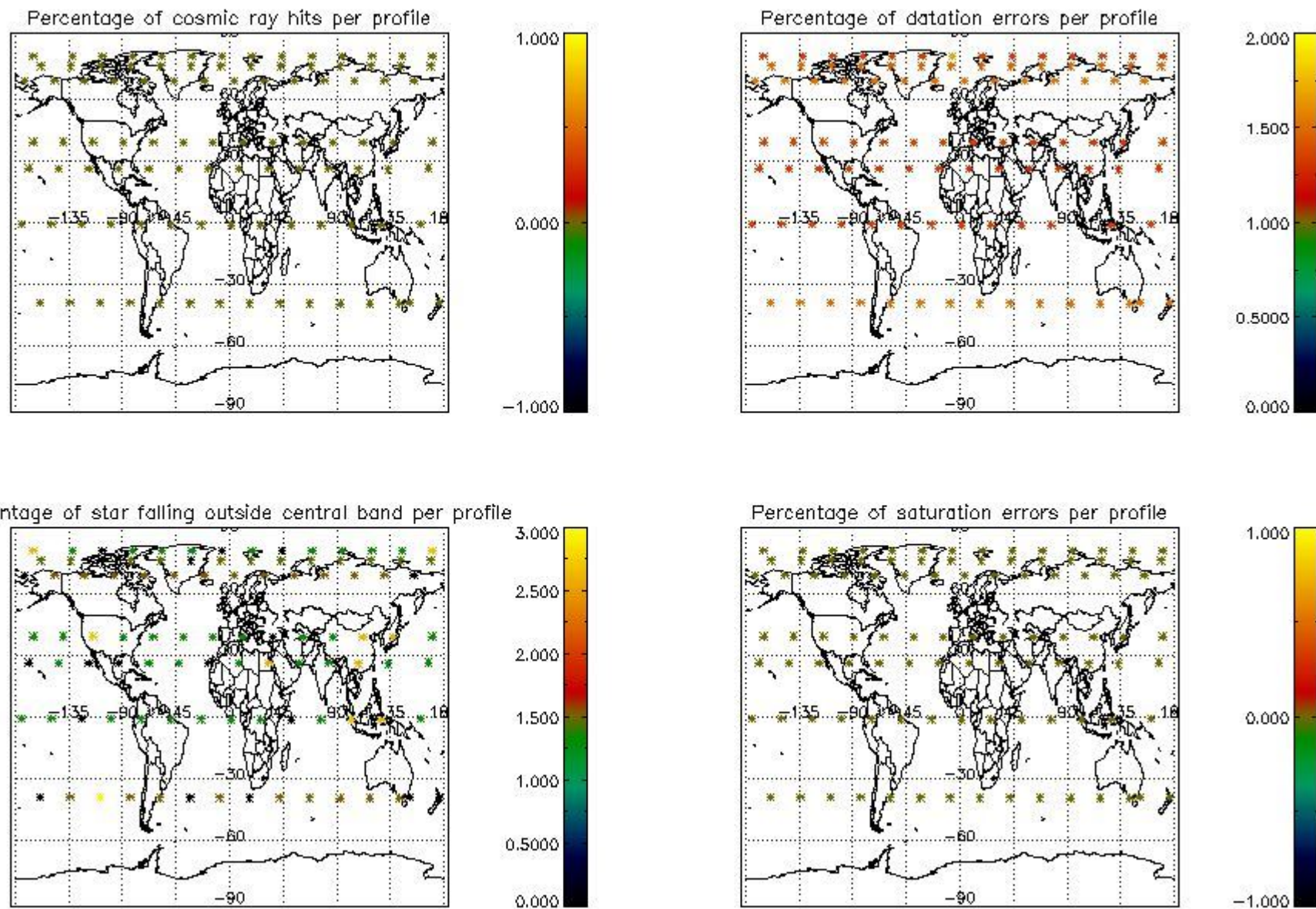


Percentage of saturation errors per profile



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





## 5. Trace gas profiles

### 5.1 Ozone statistics based on quality of products

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

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

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

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

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

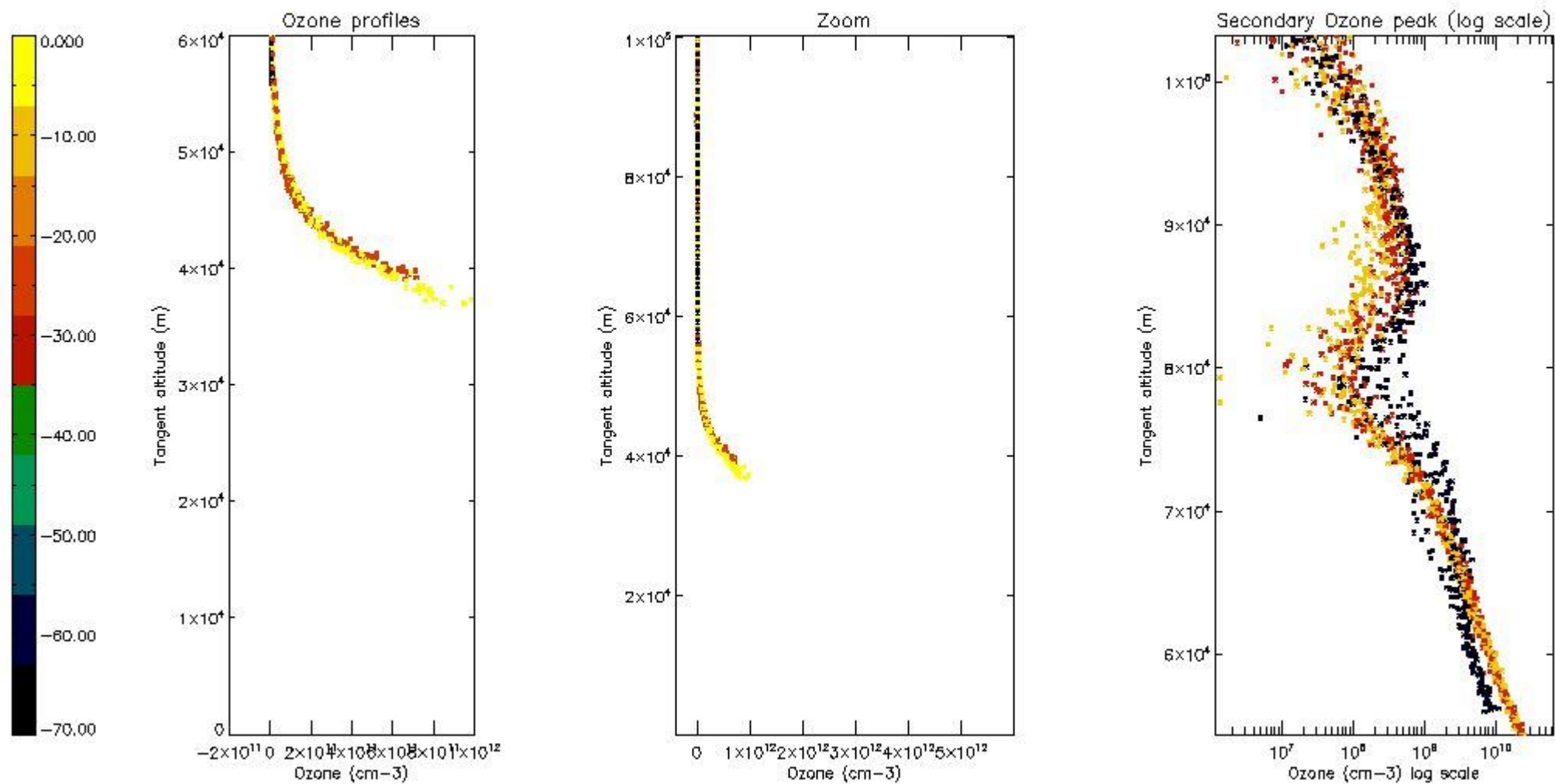
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	24
STD < 20	12

STD < 10	10
STD < 5	6

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

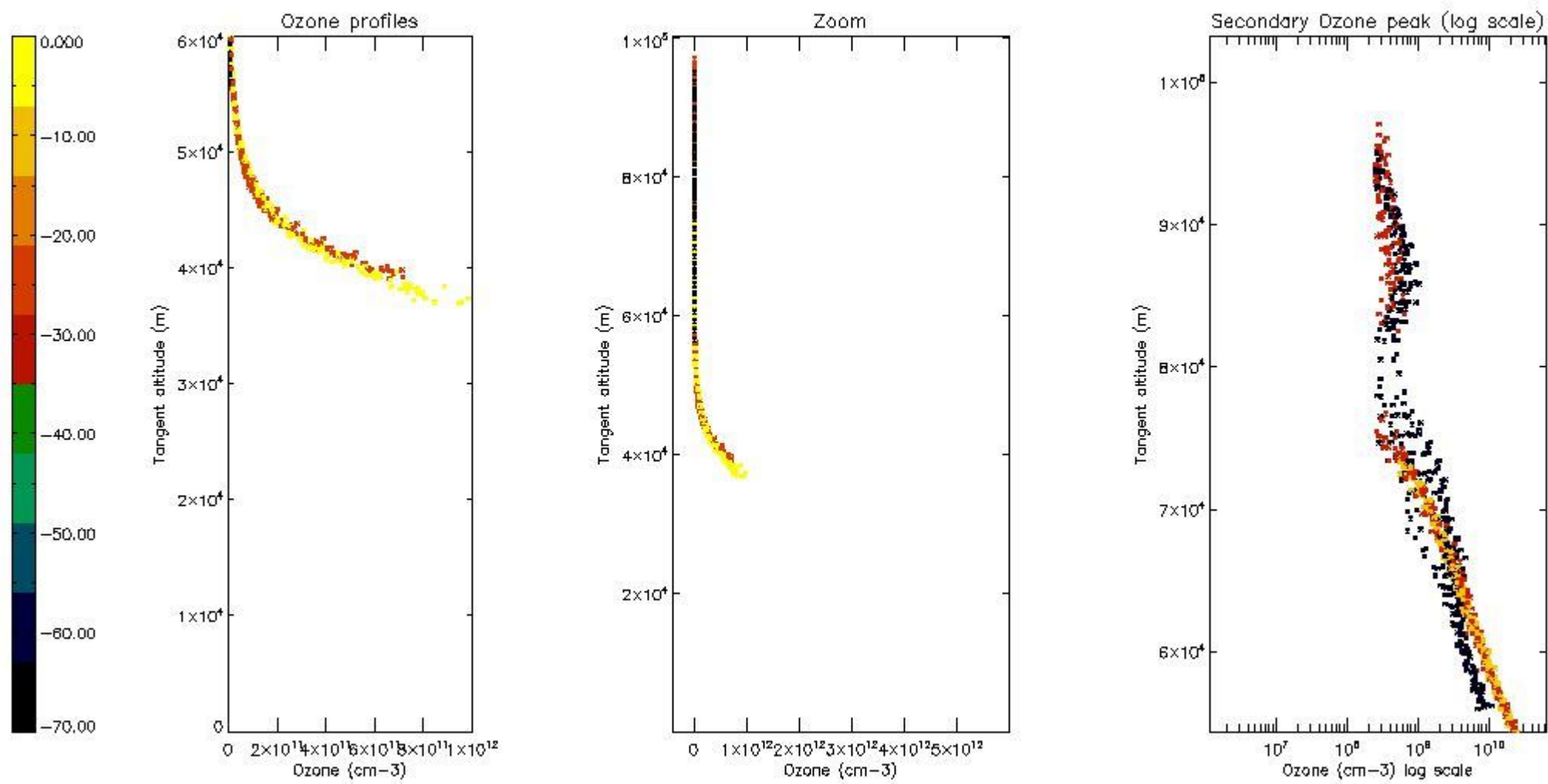
The colorbar represents the latitude.



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

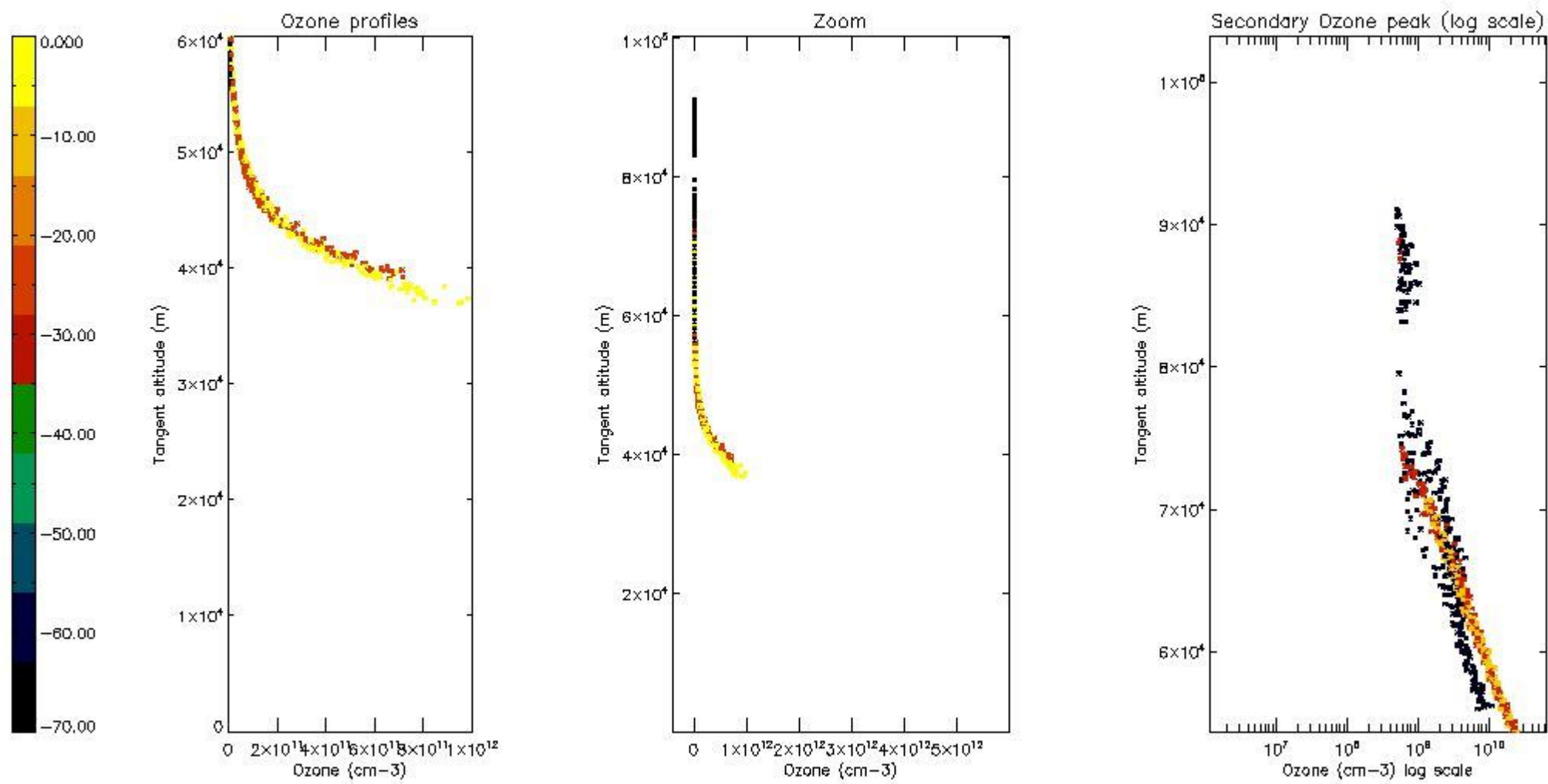
The colorbar represents the latitude.





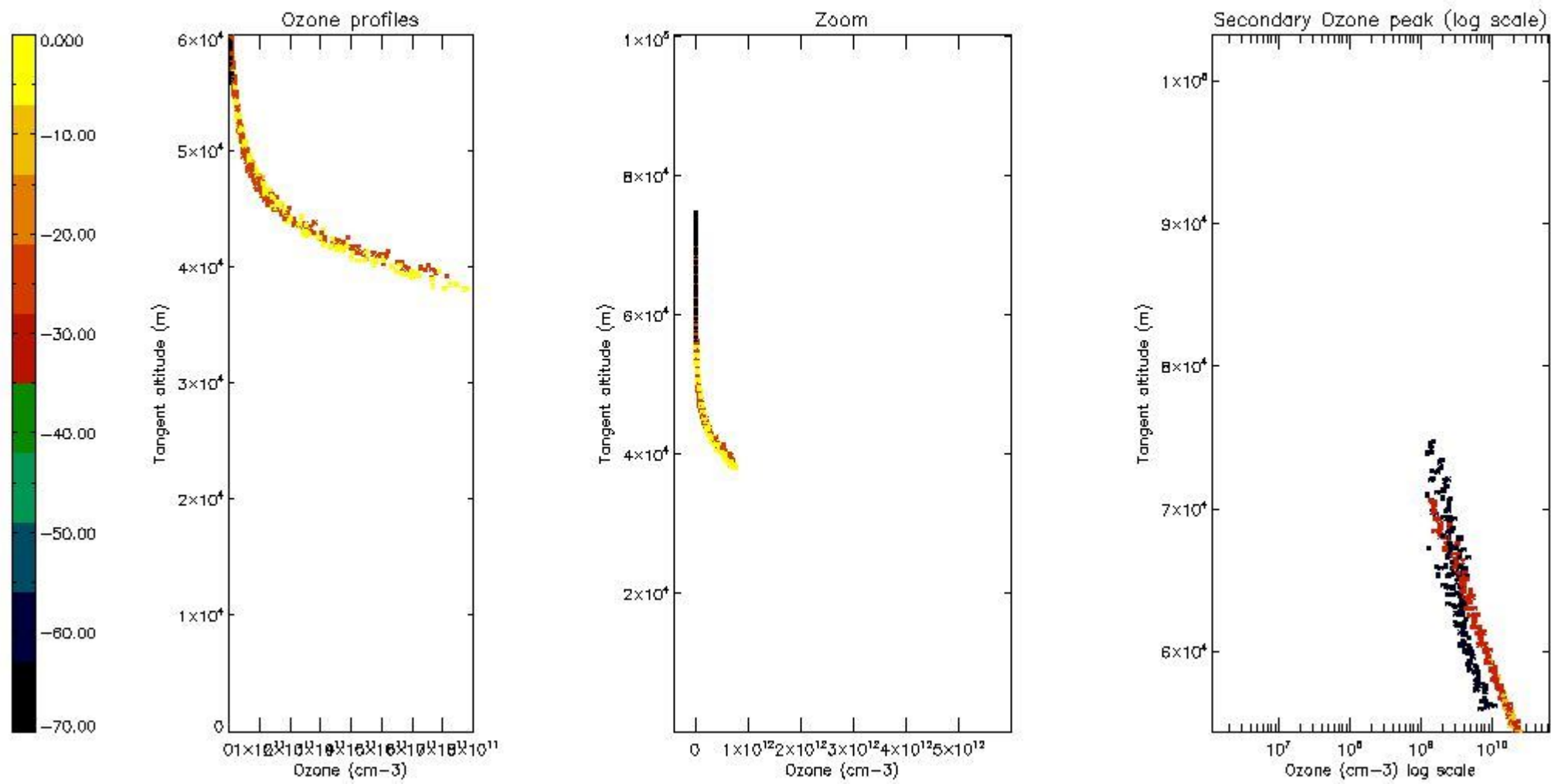
*5.4 Plot ozone profiles where STD < 10% (dark without errors)*

The colorbar represents the latitude.



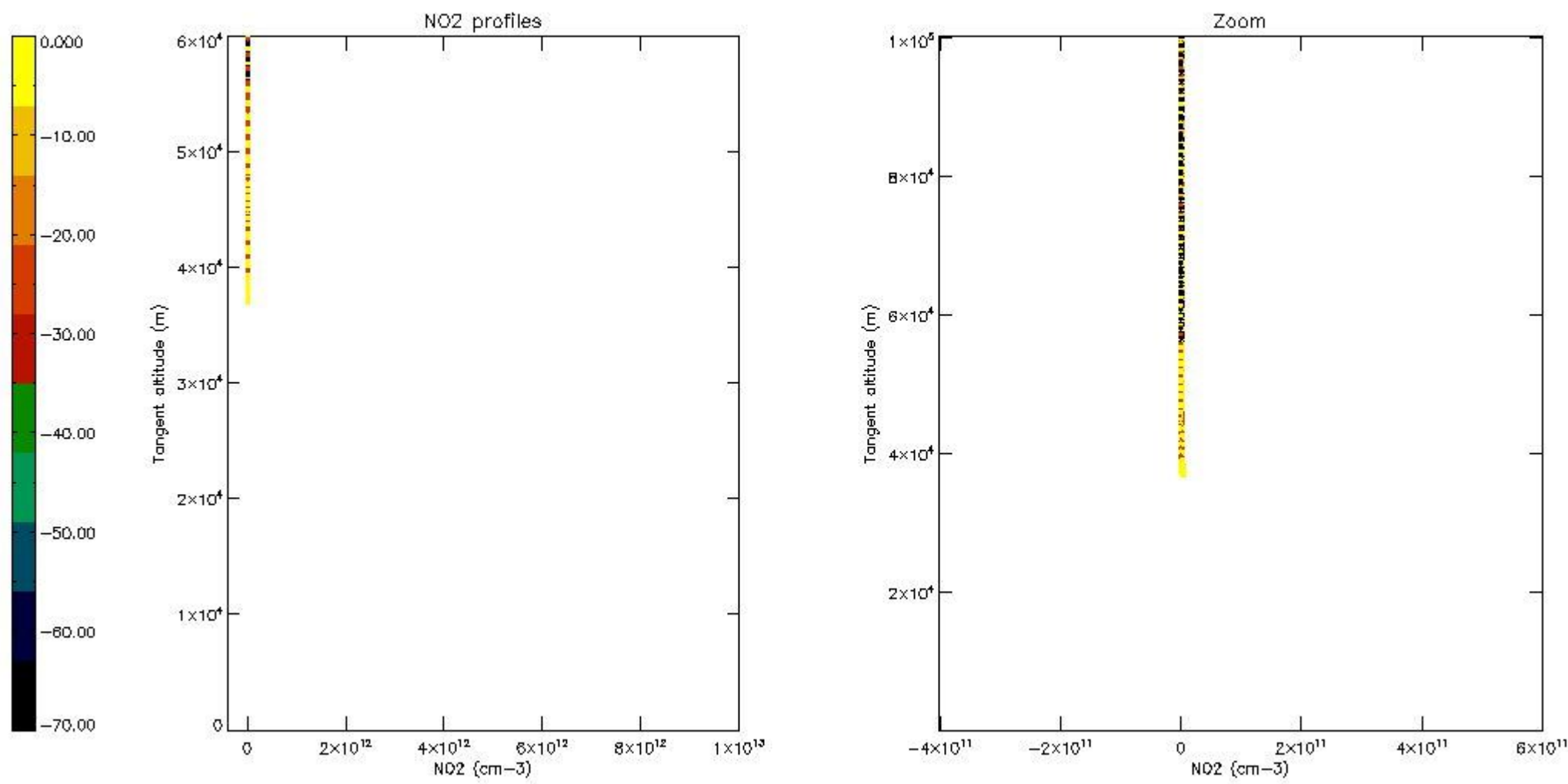
*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

The colorbar represents the latitude.



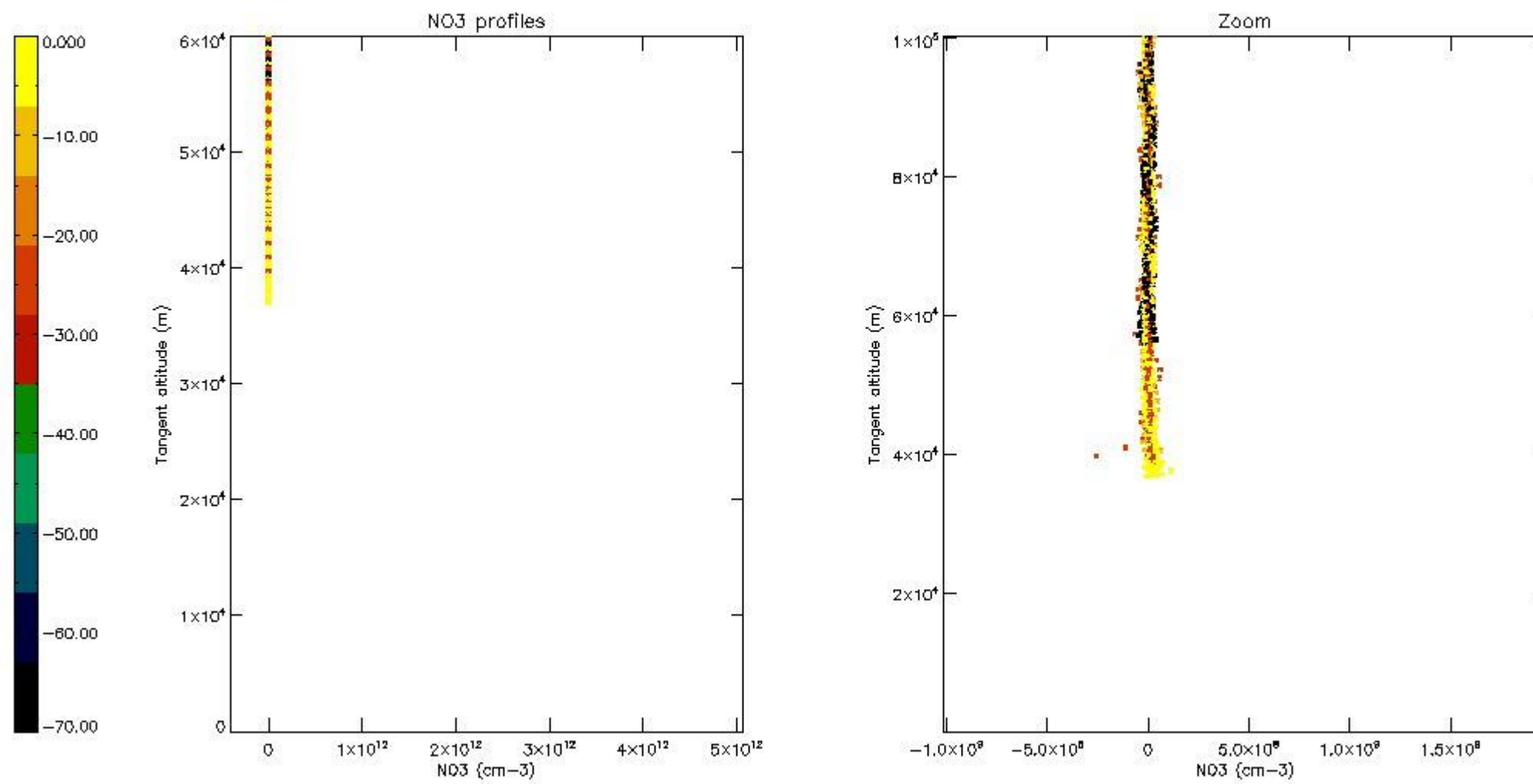
*5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)*

The colorbar represents the latitude.



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

The colorbar represents the latitude.

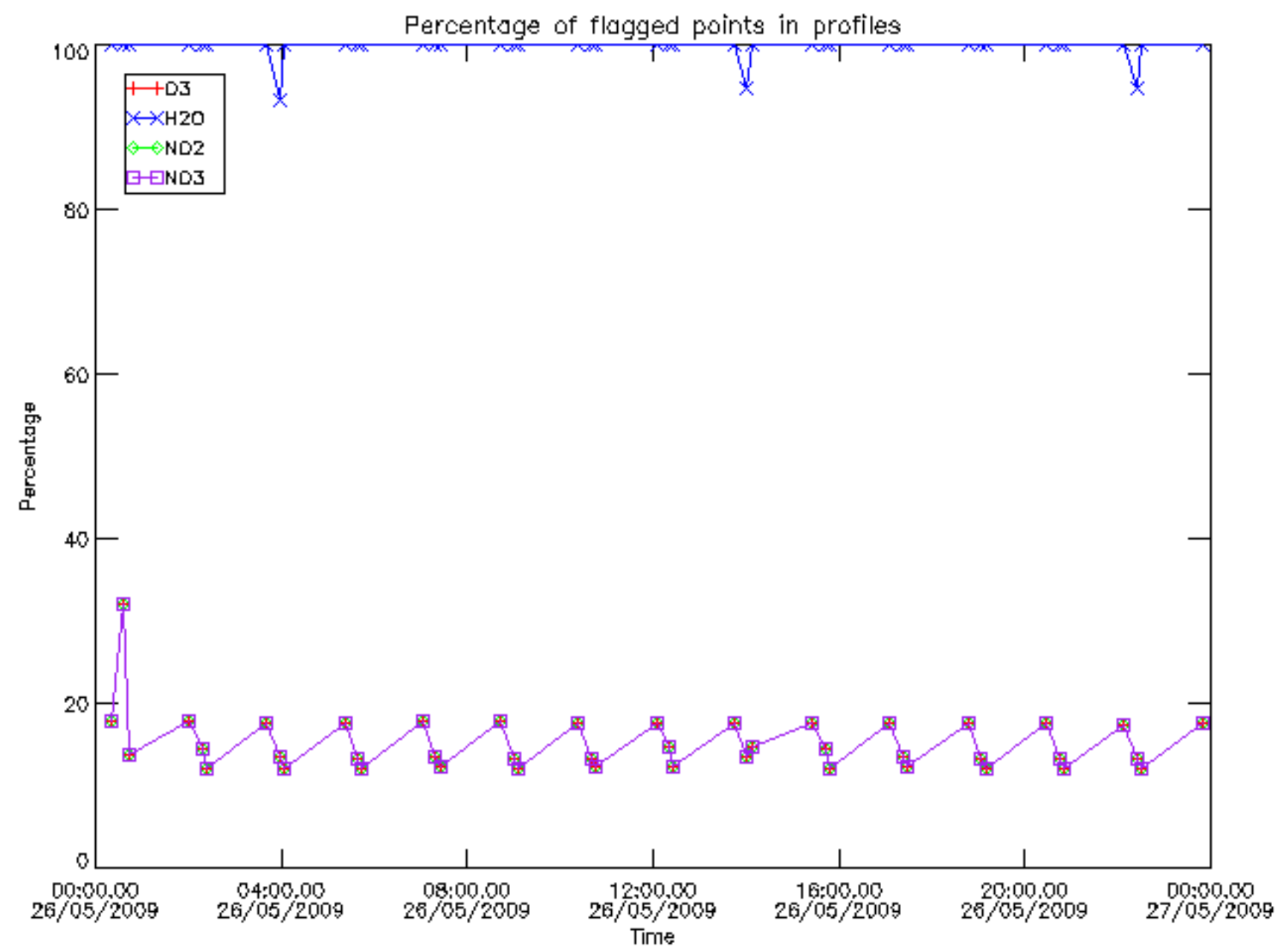


## 6. Auxiliary Data Files used for the production reported in section 2

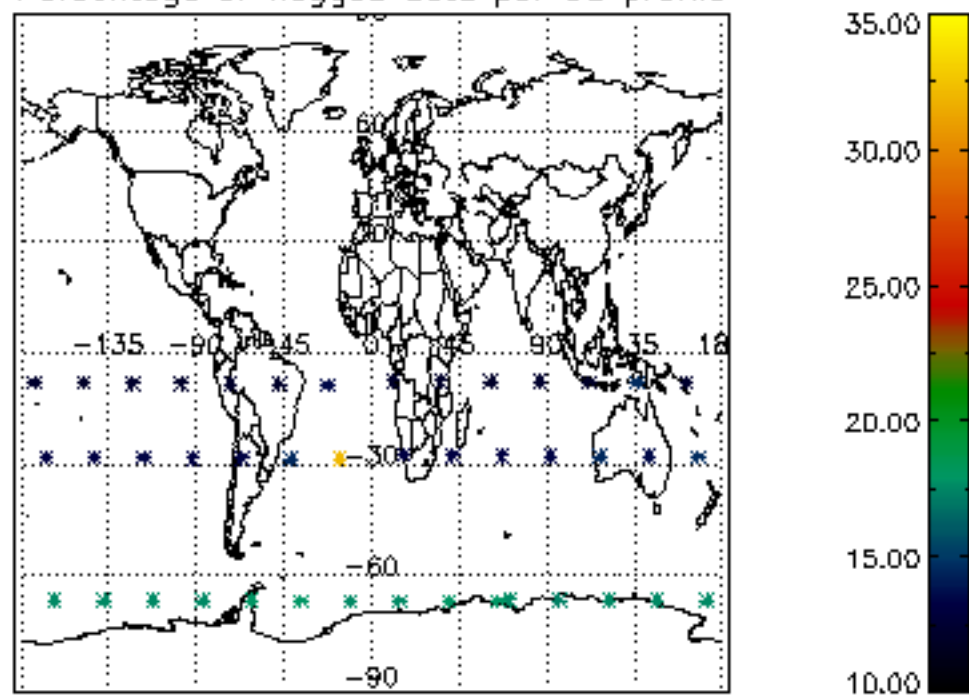
The number reported in the third column indicates since which file (see list in section 2) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	26-MAY-2009 00:01:08
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	26-MAY-2009 00:01:08
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	26-MAY-2009 00:01:08

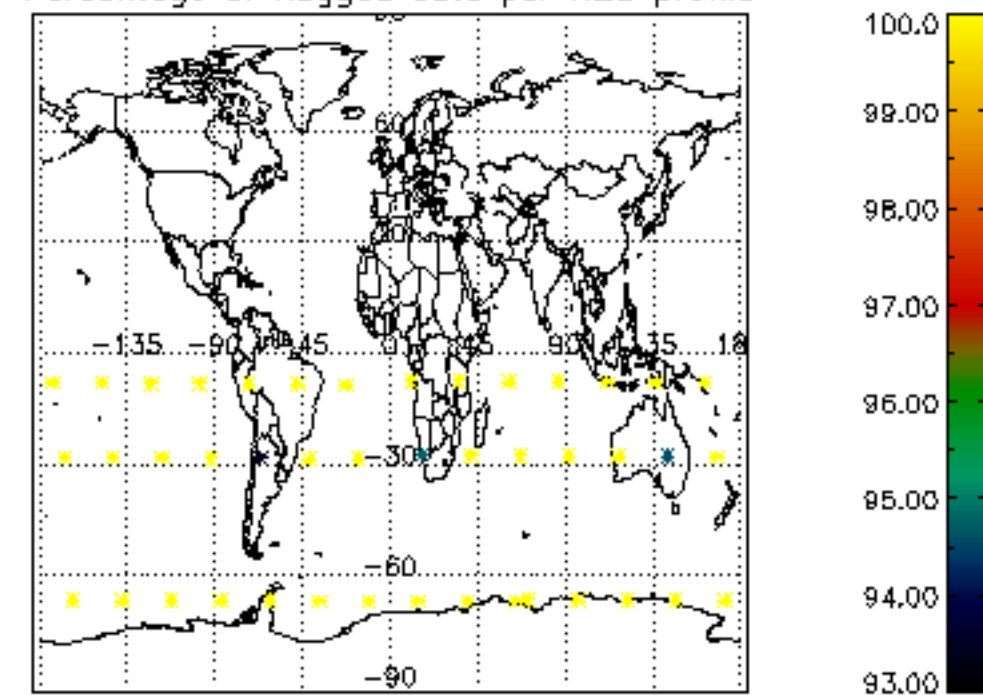




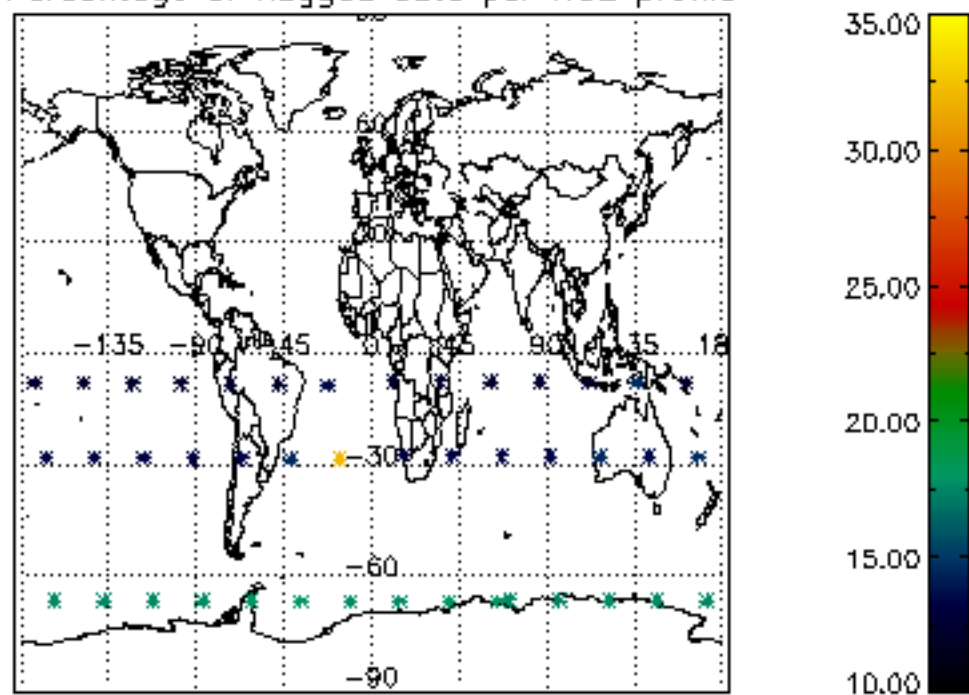
Percentage of flagged data per D3 profile



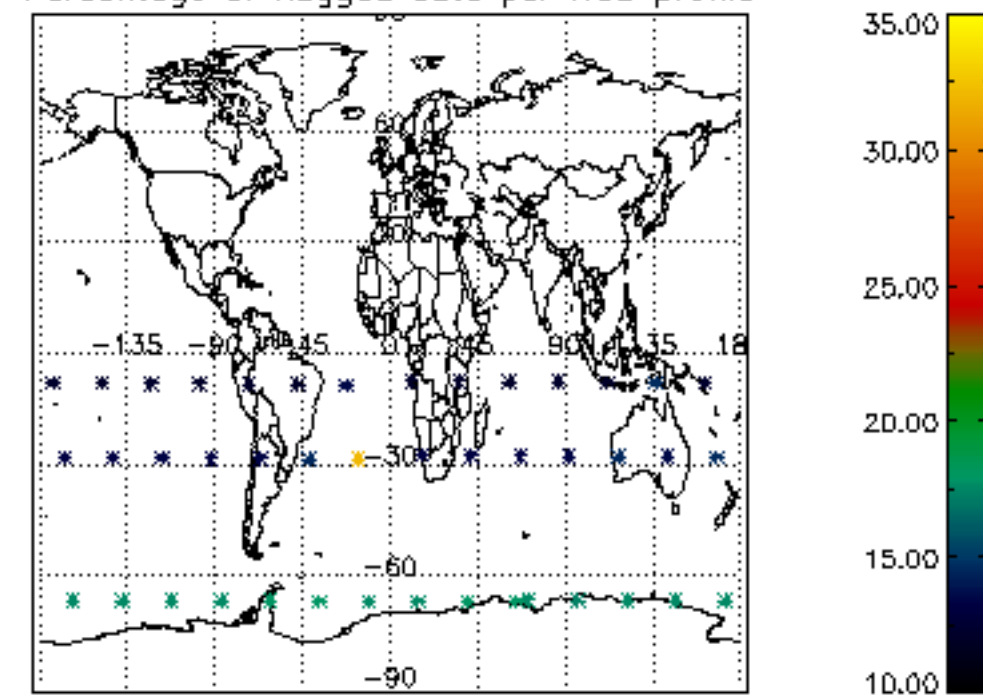
Percentage of flagged data per H2O profile

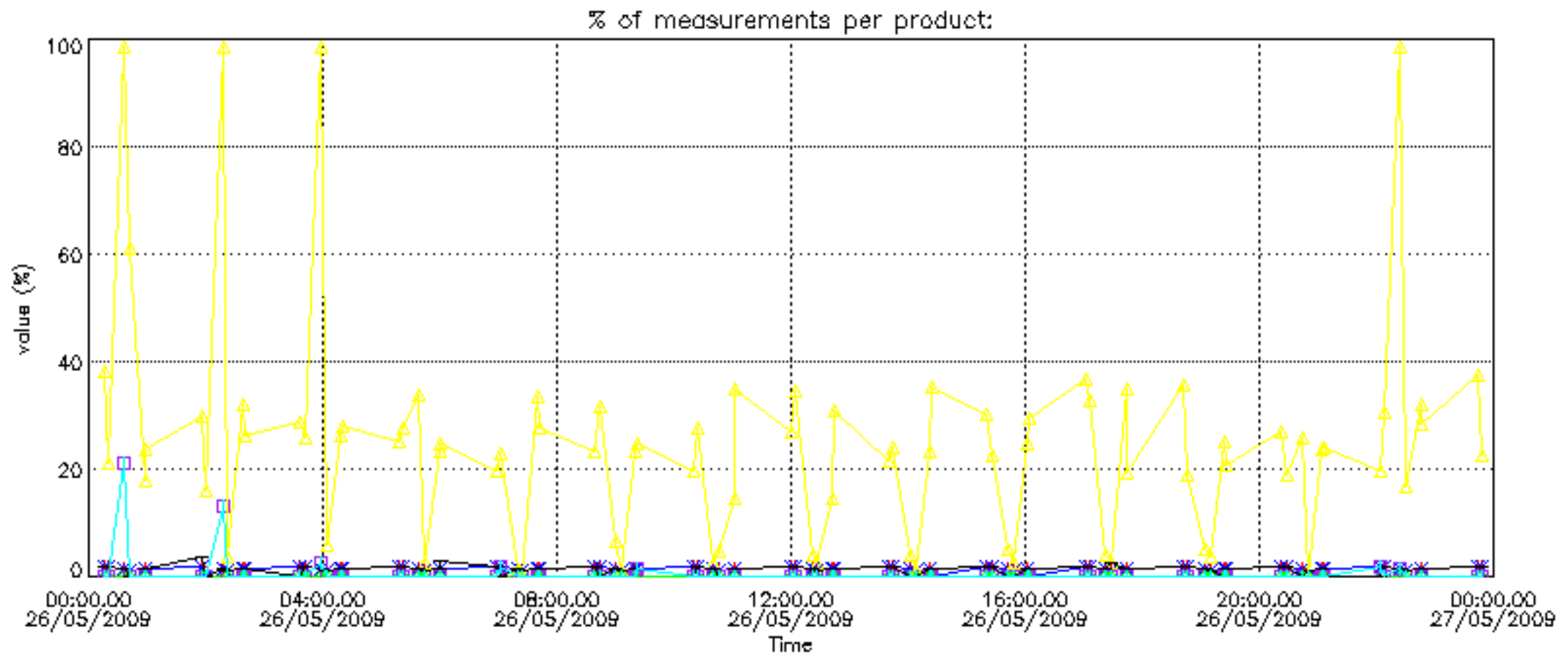


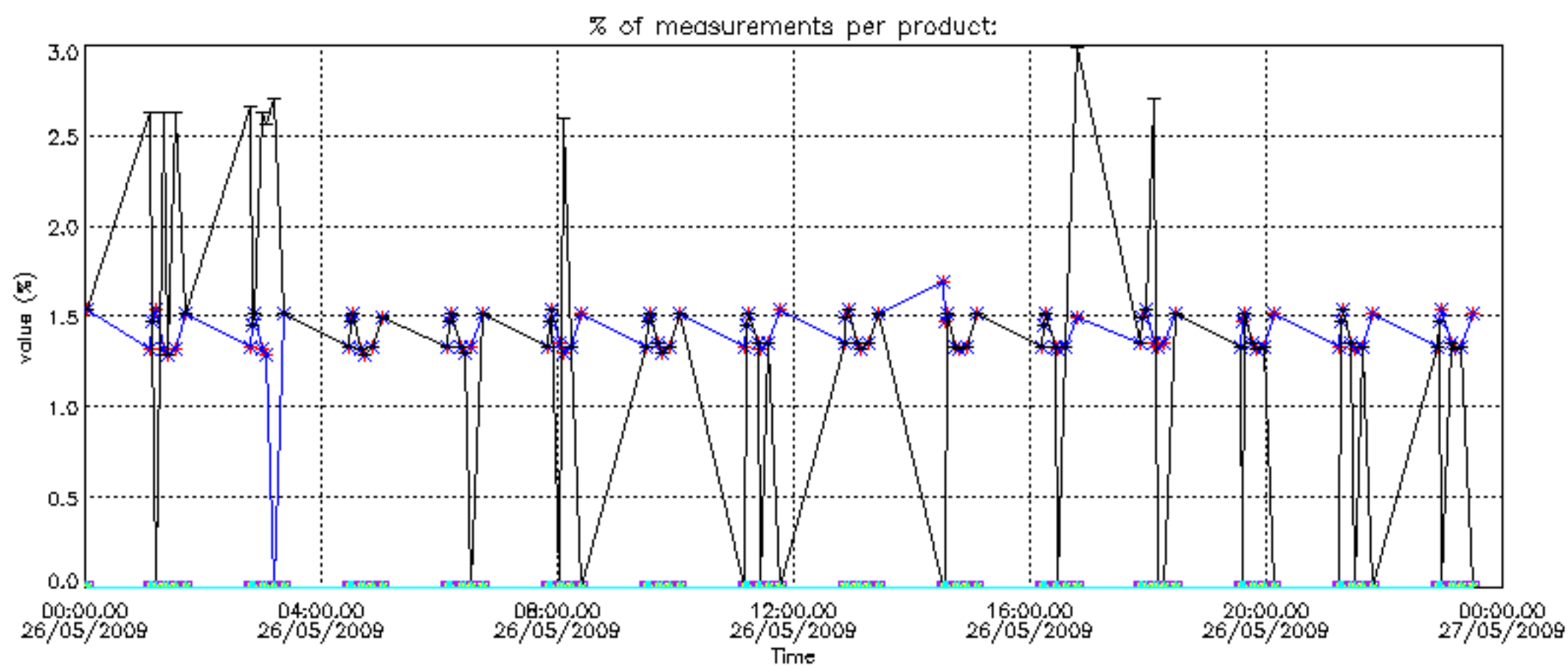
Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

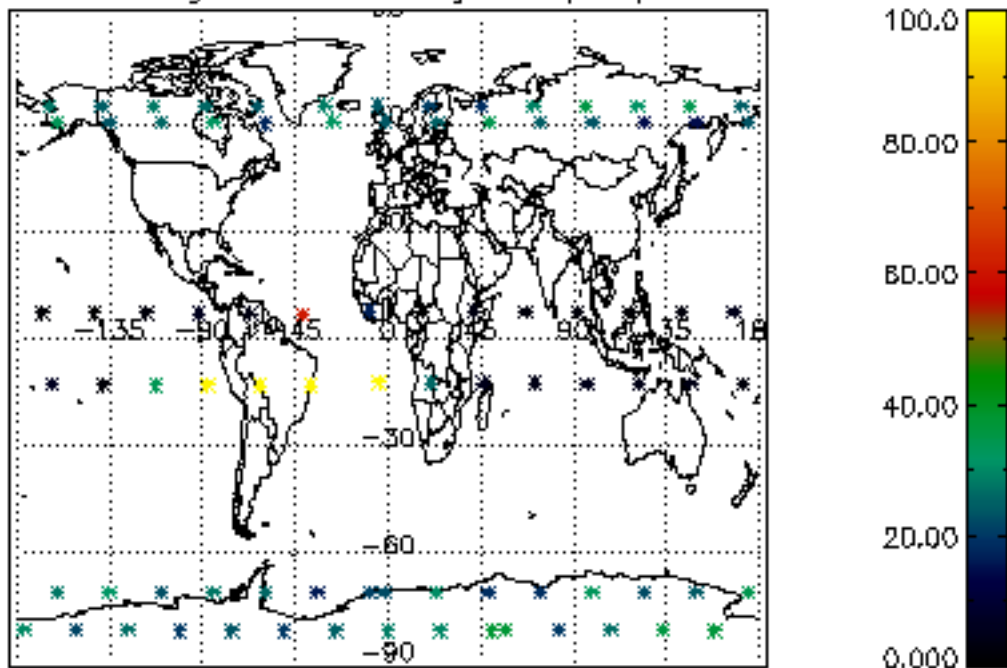




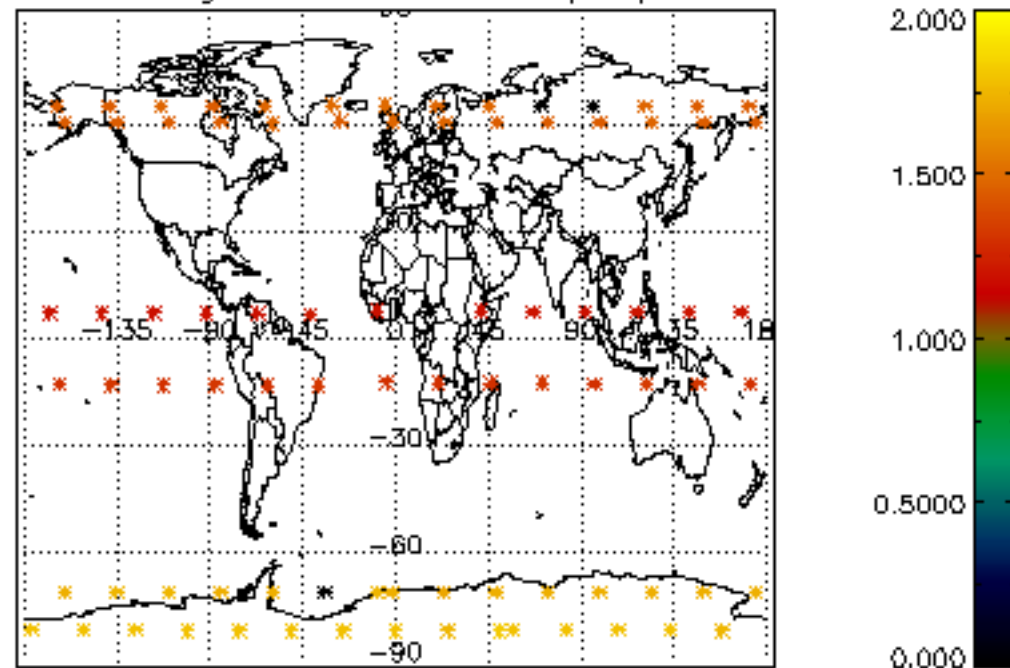




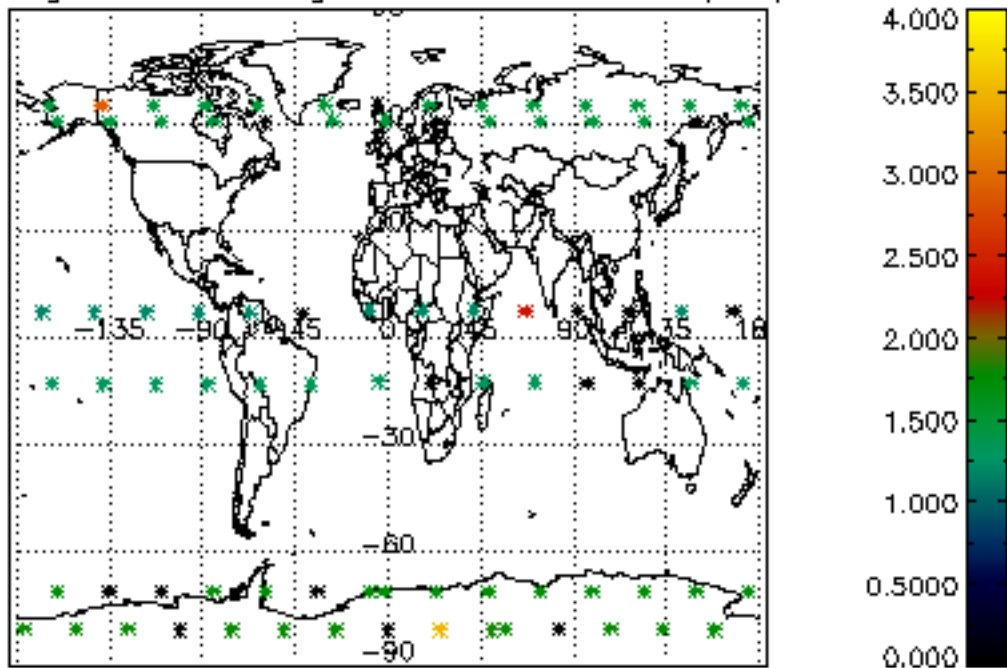
Percentage of cosmic ray hits per profile



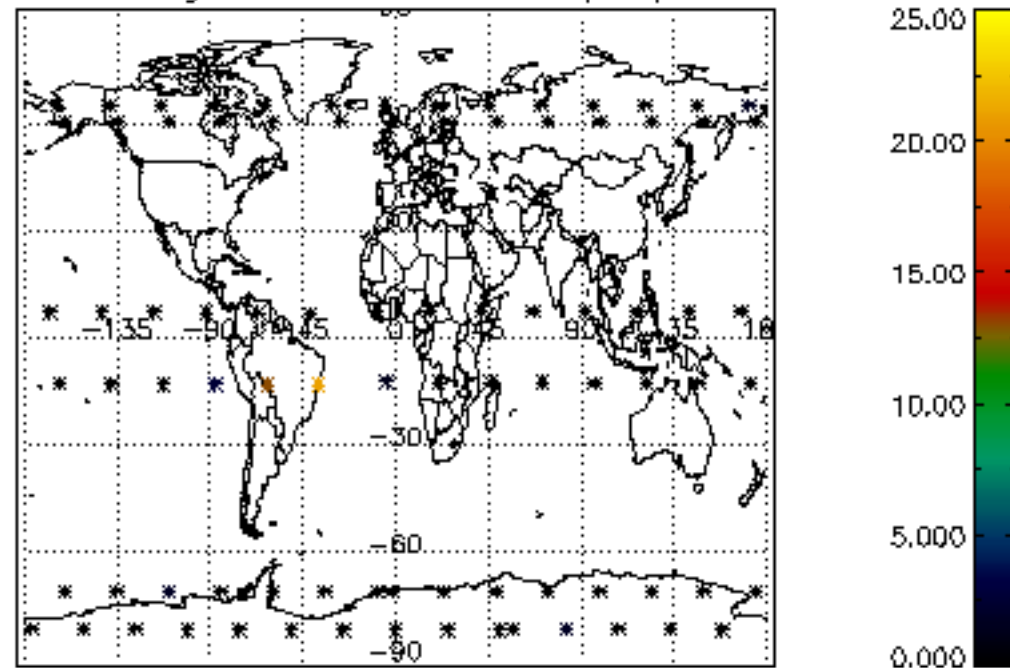
Percentage of datation errors per profile



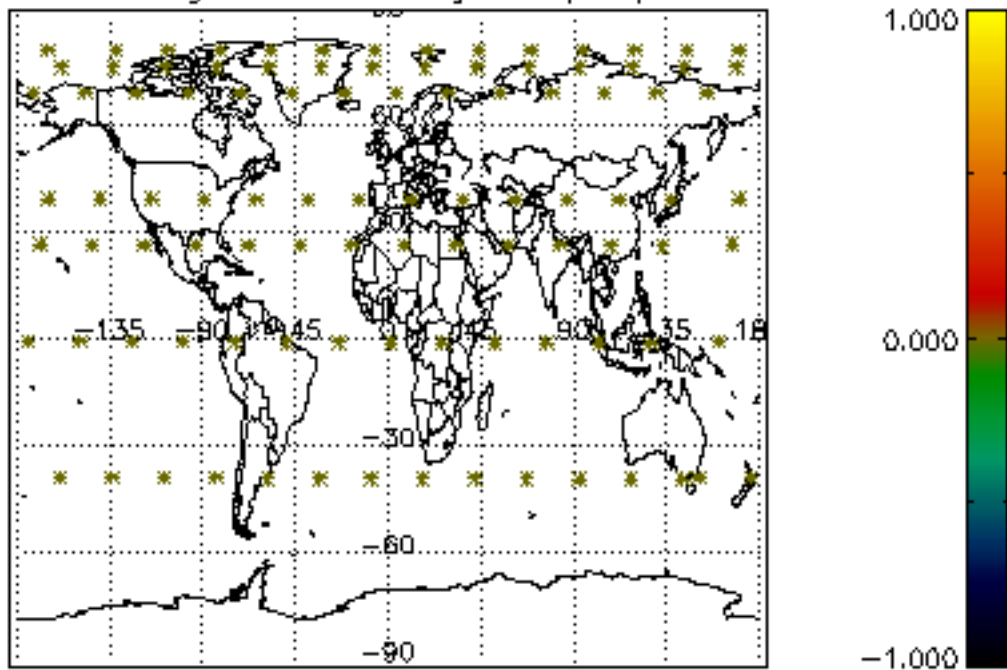
Percentage of star falling outside central band per profile



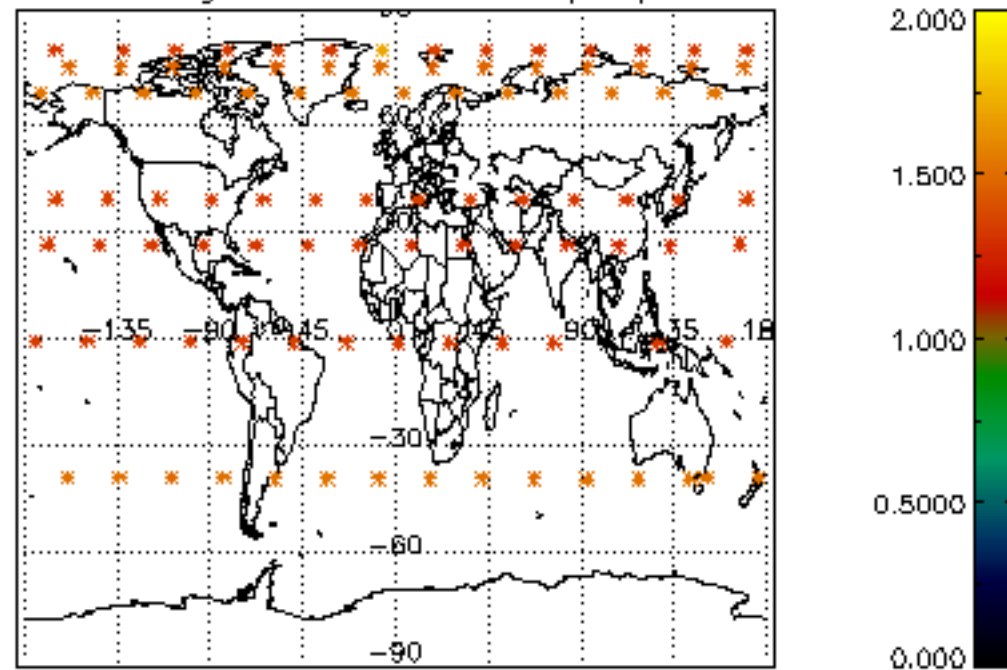
Percentage of saturation errors per profile



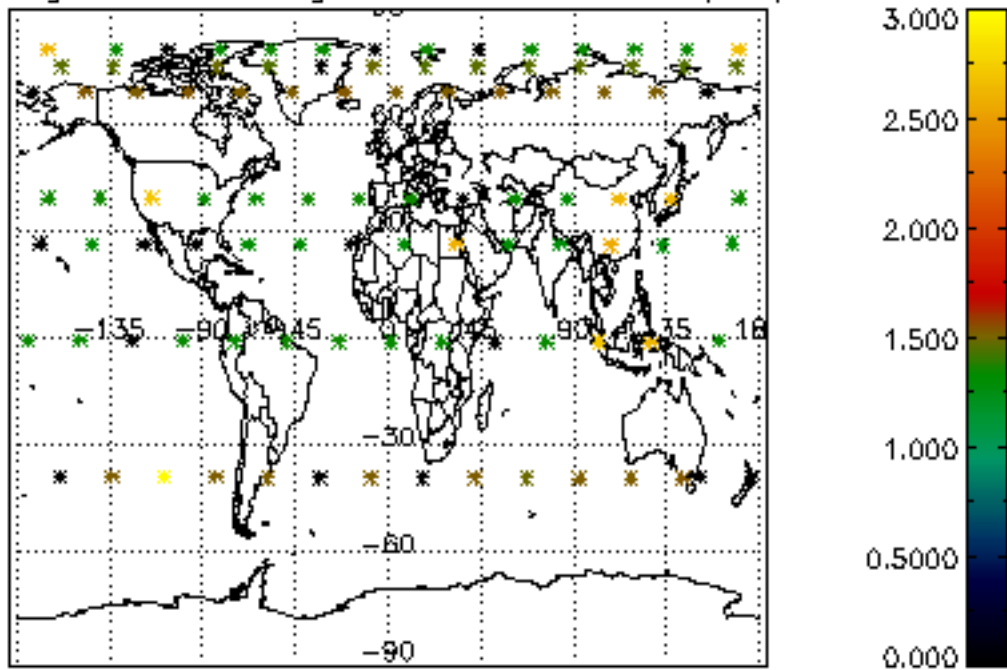
Percentage of cosmic ray hits per profile



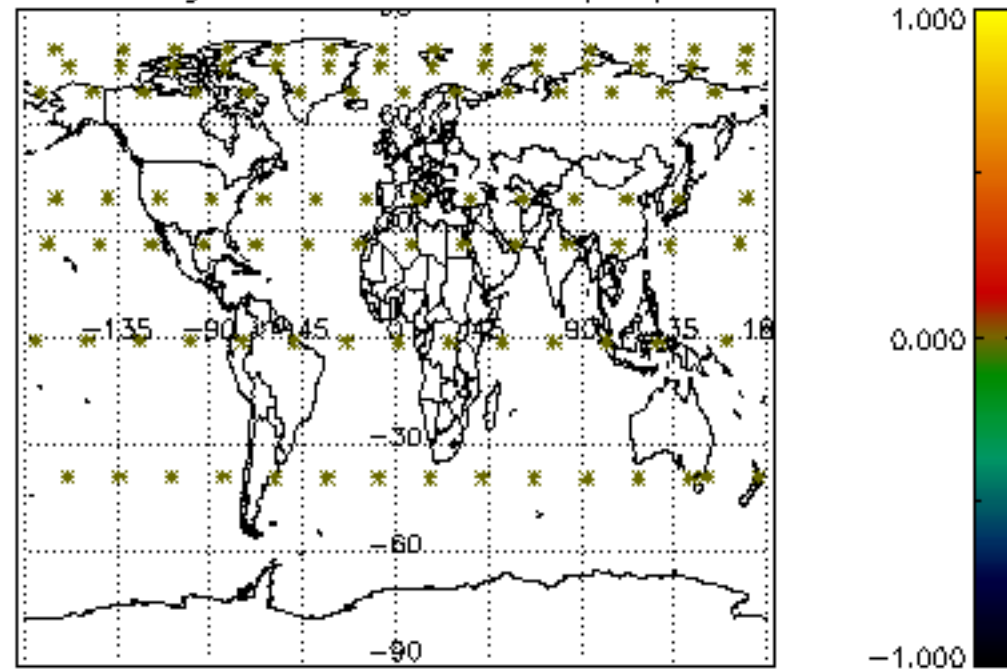
Percentage of datation errors per profile

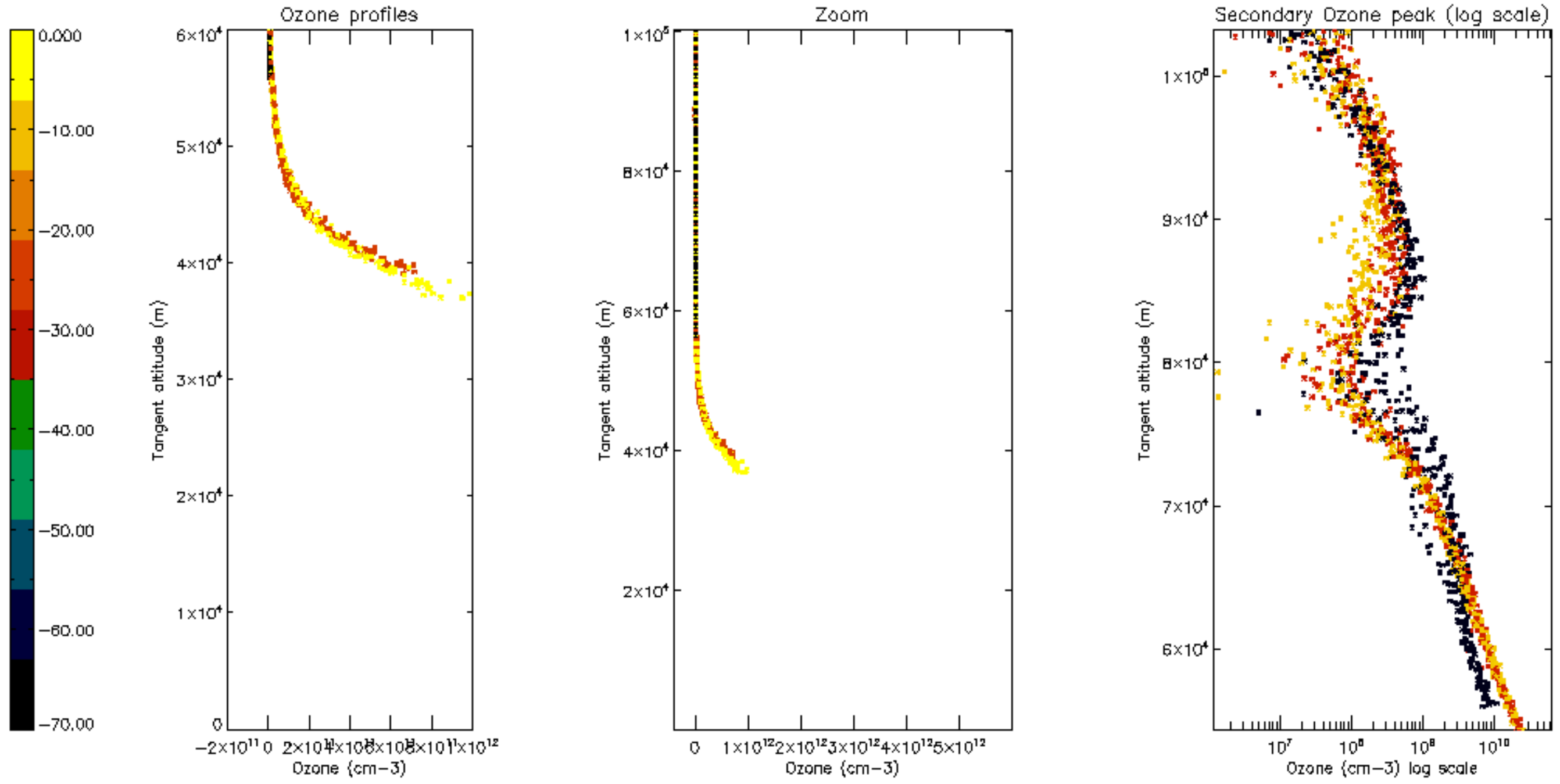


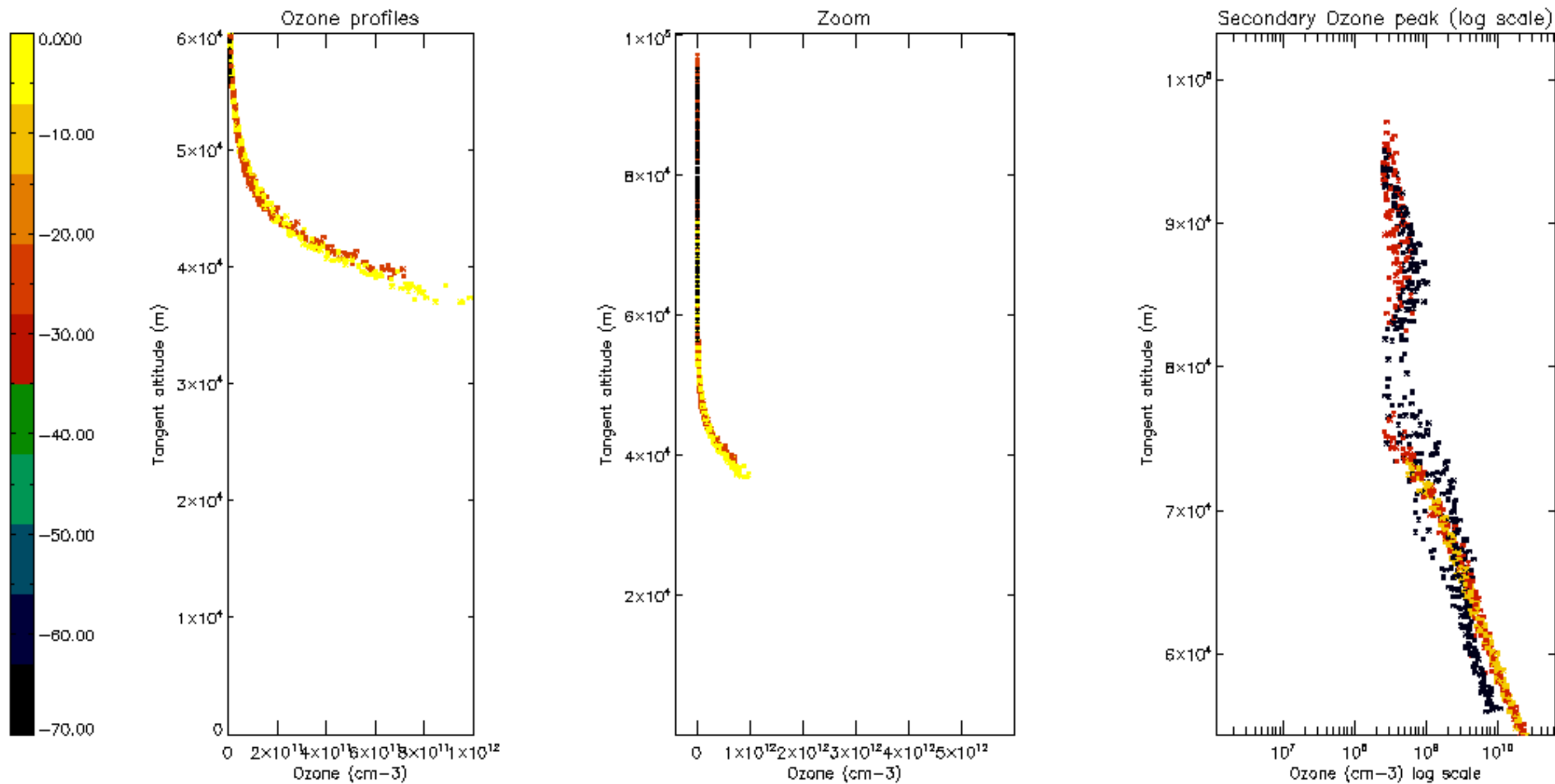
Percentage of star falling outside central band per profile



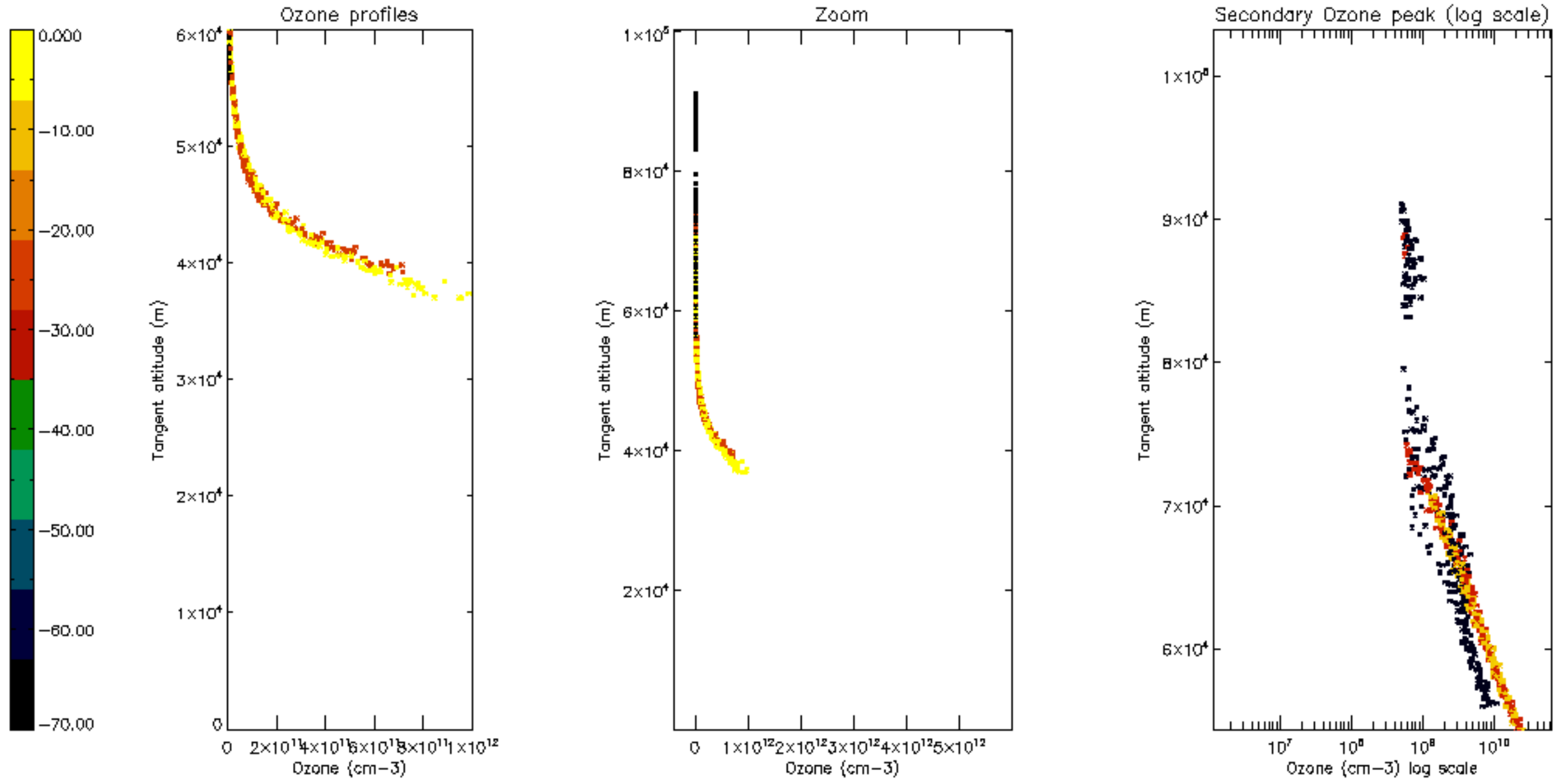
Percentage of saturation errors per profile

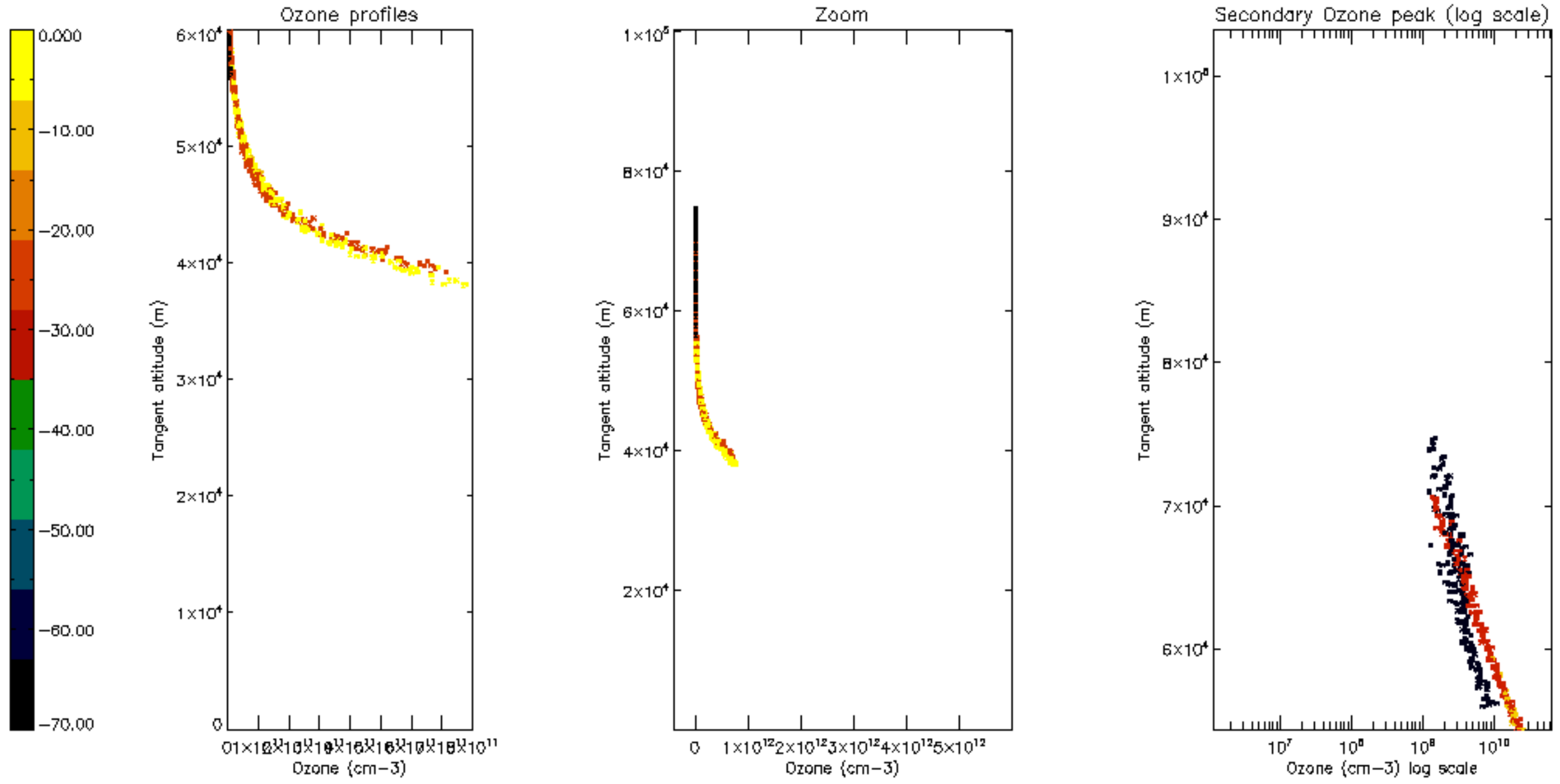


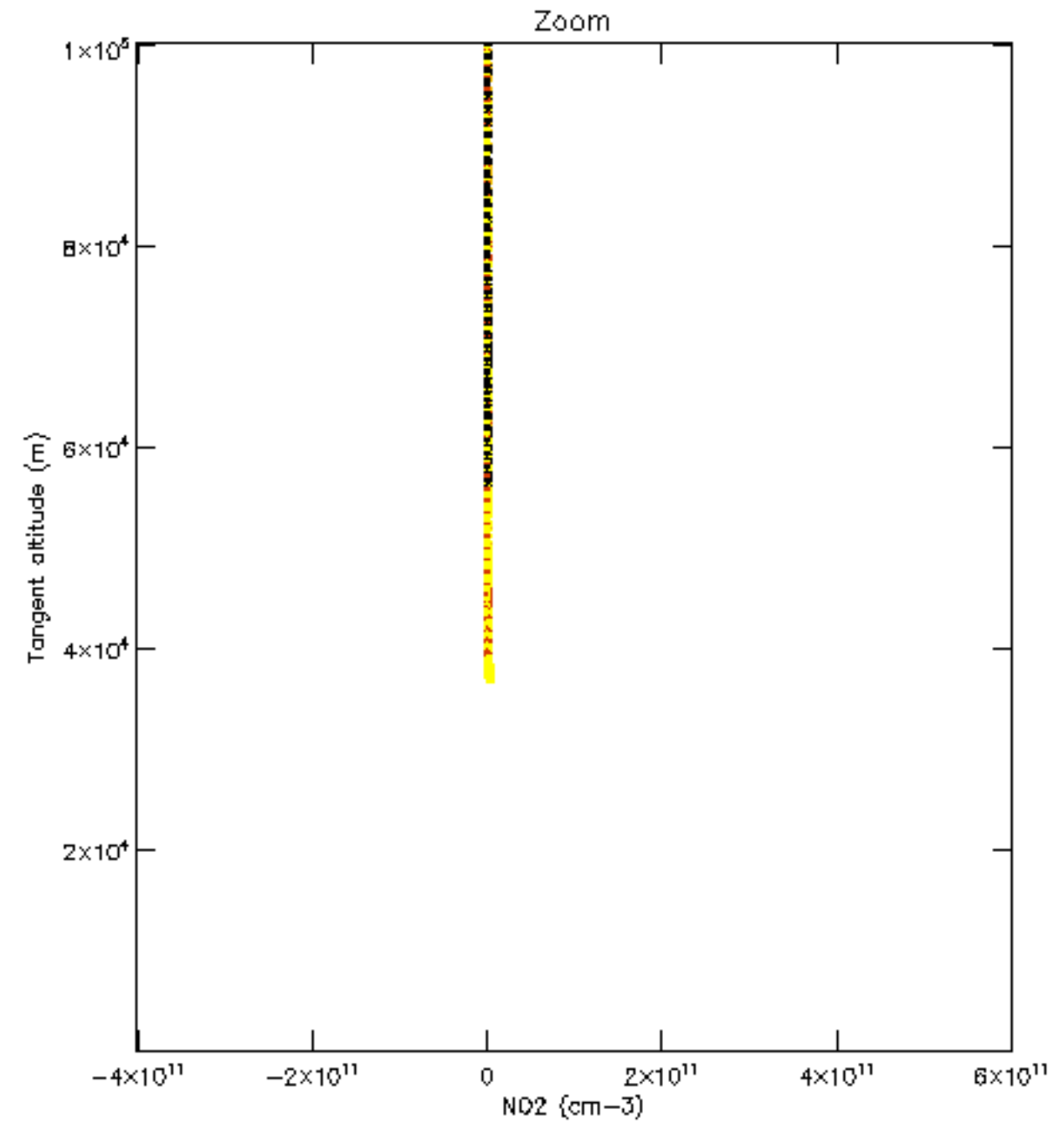
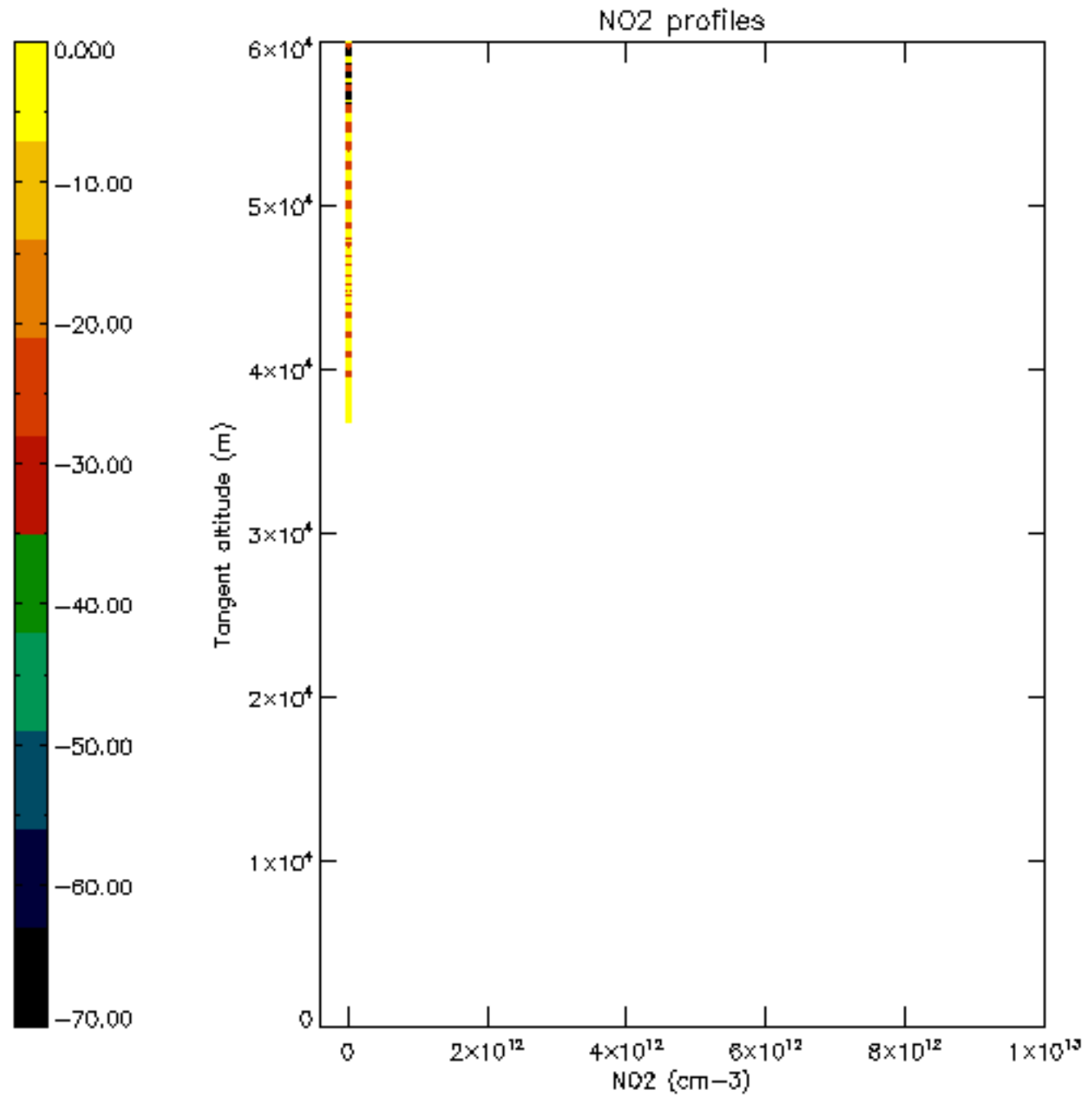


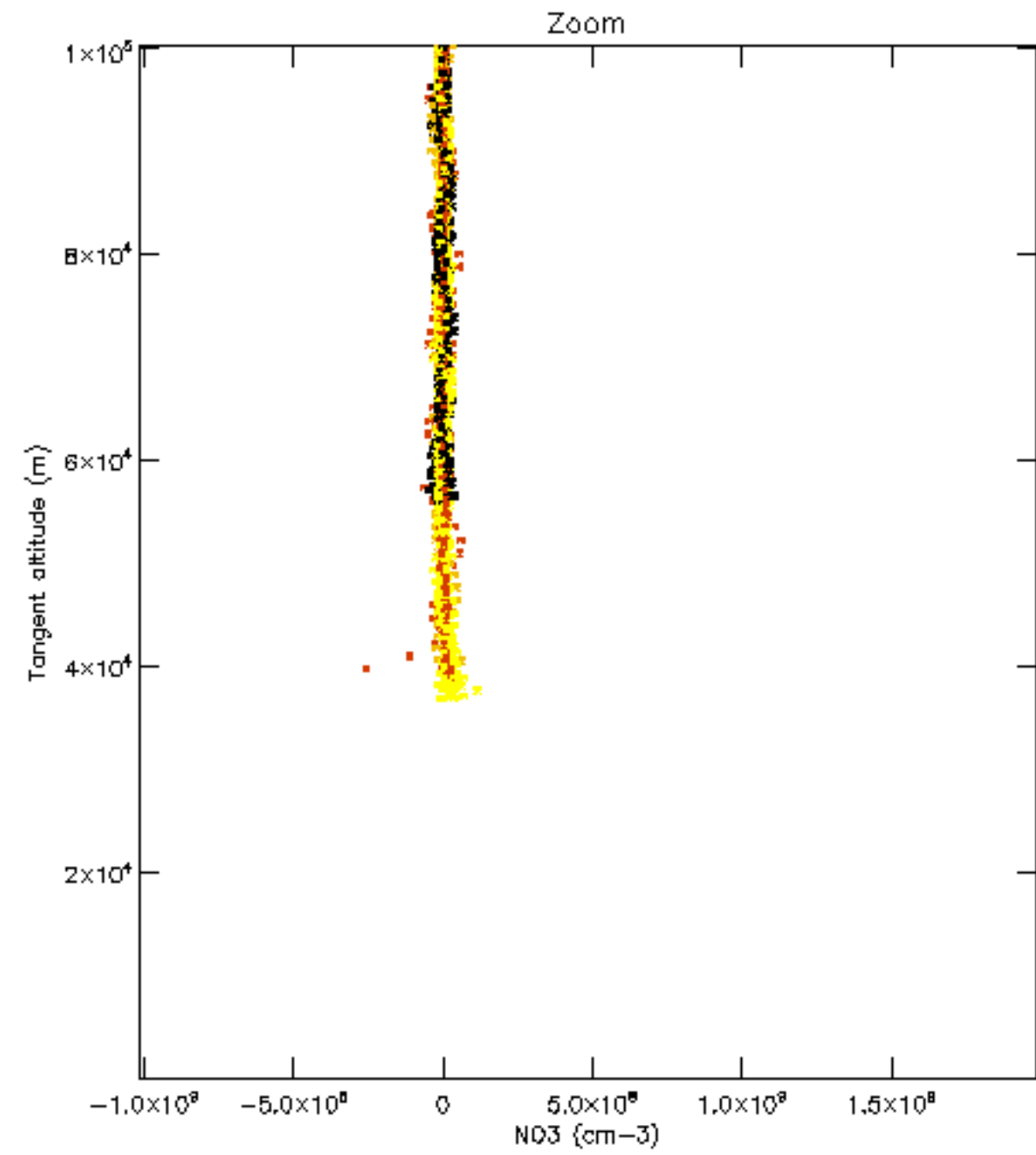
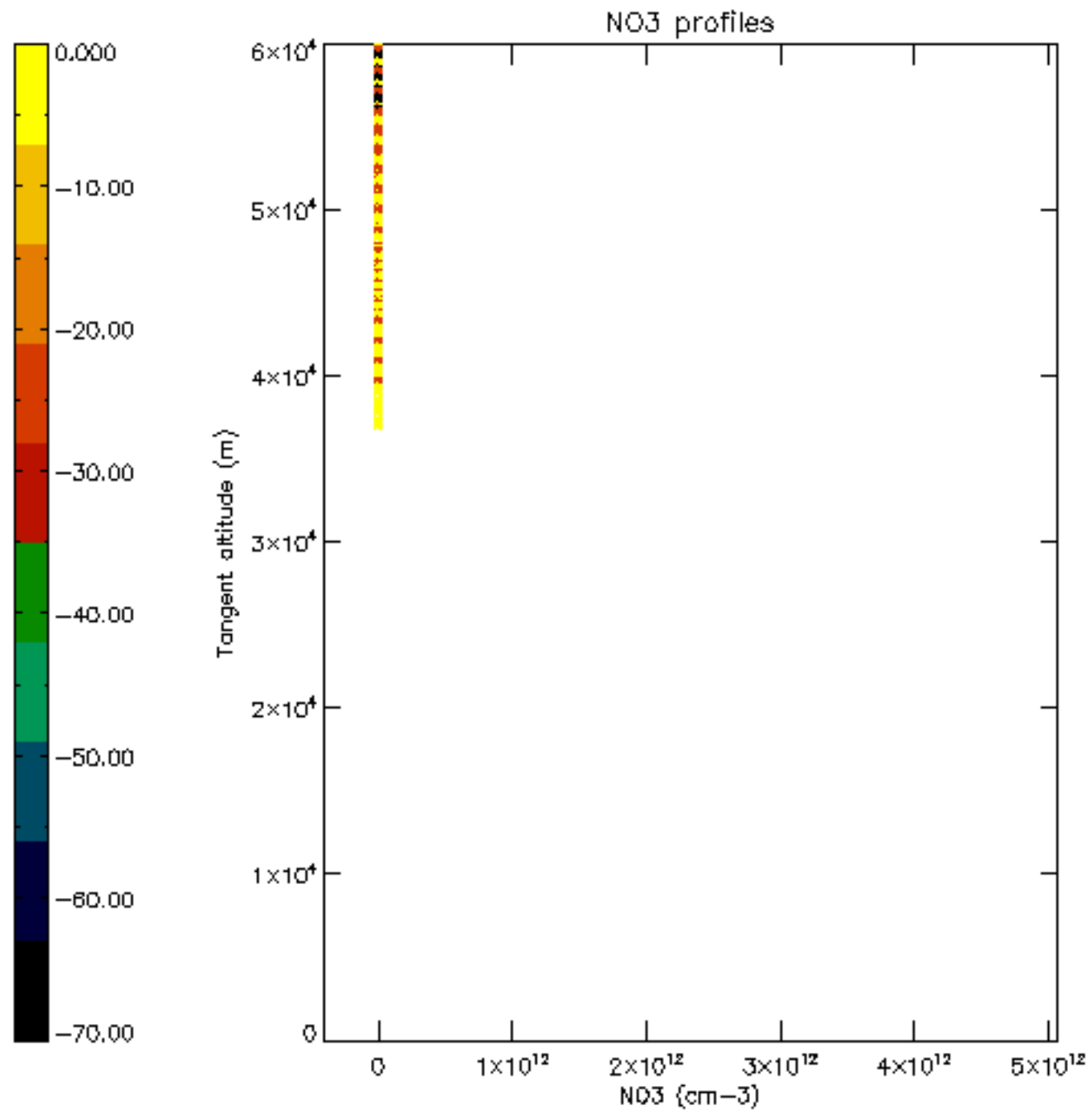




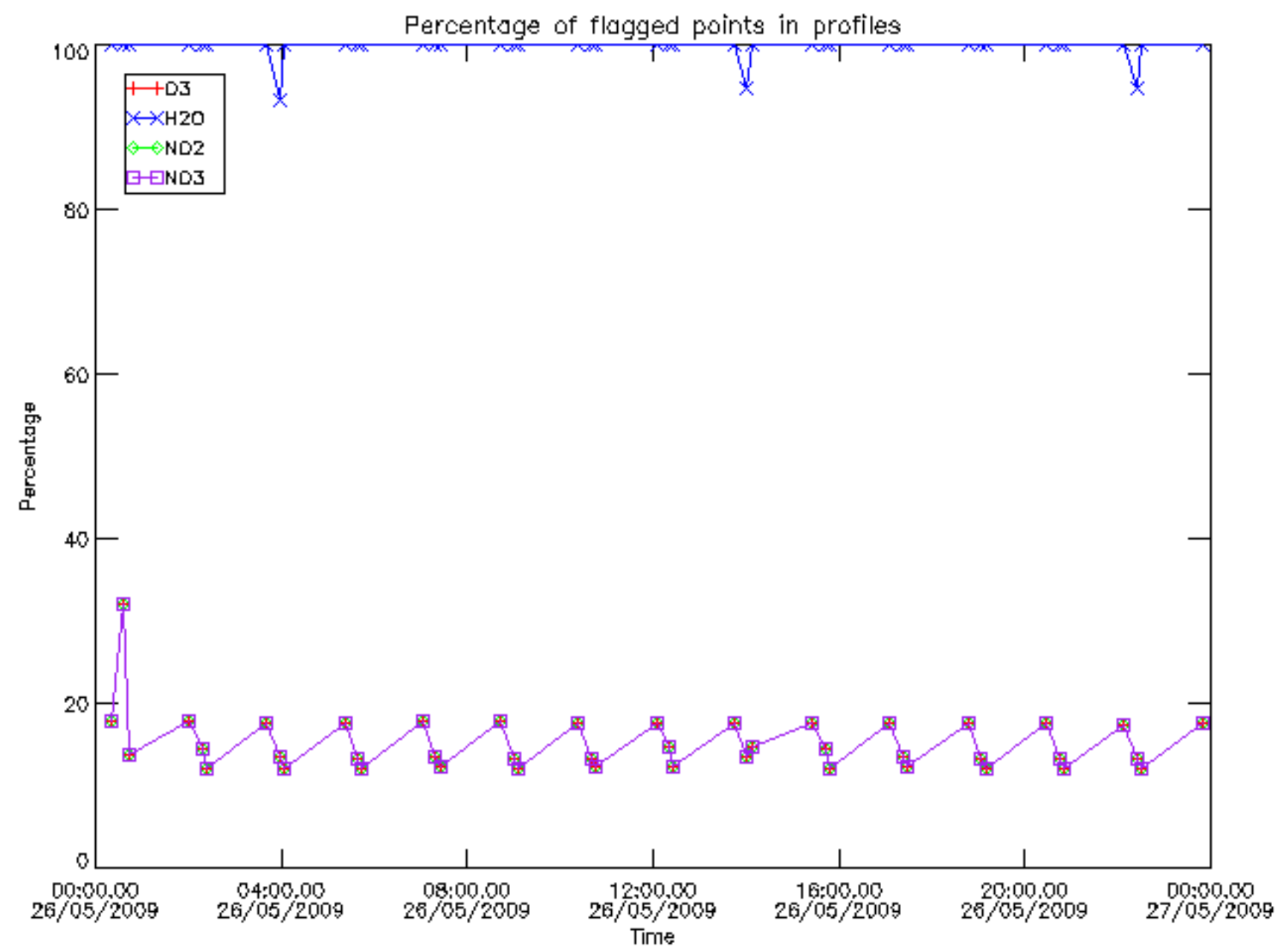




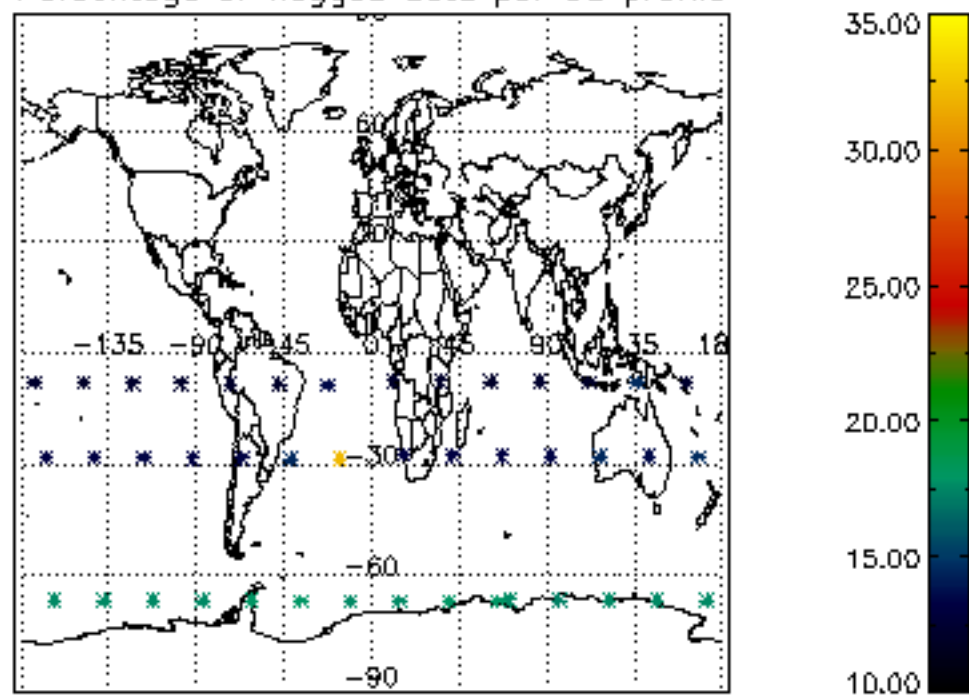




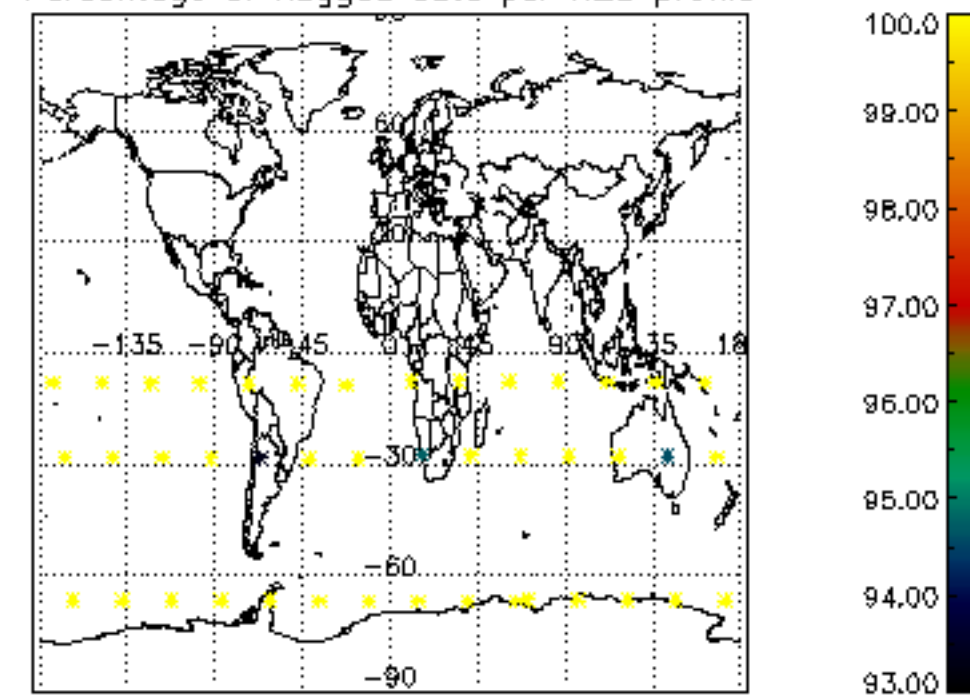




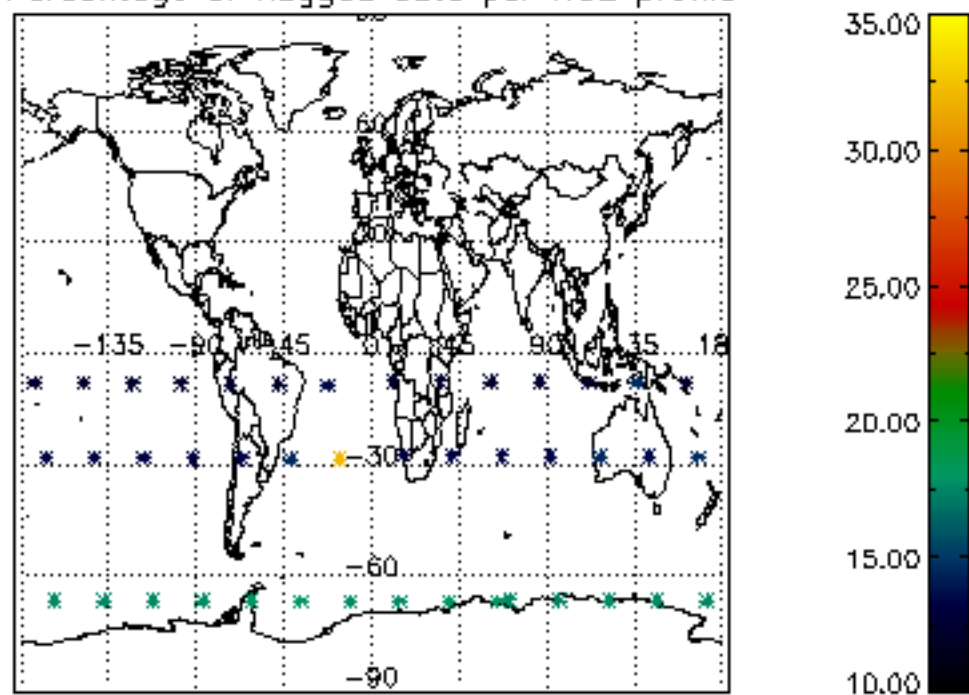
Percentage of flagged data per D3 profile



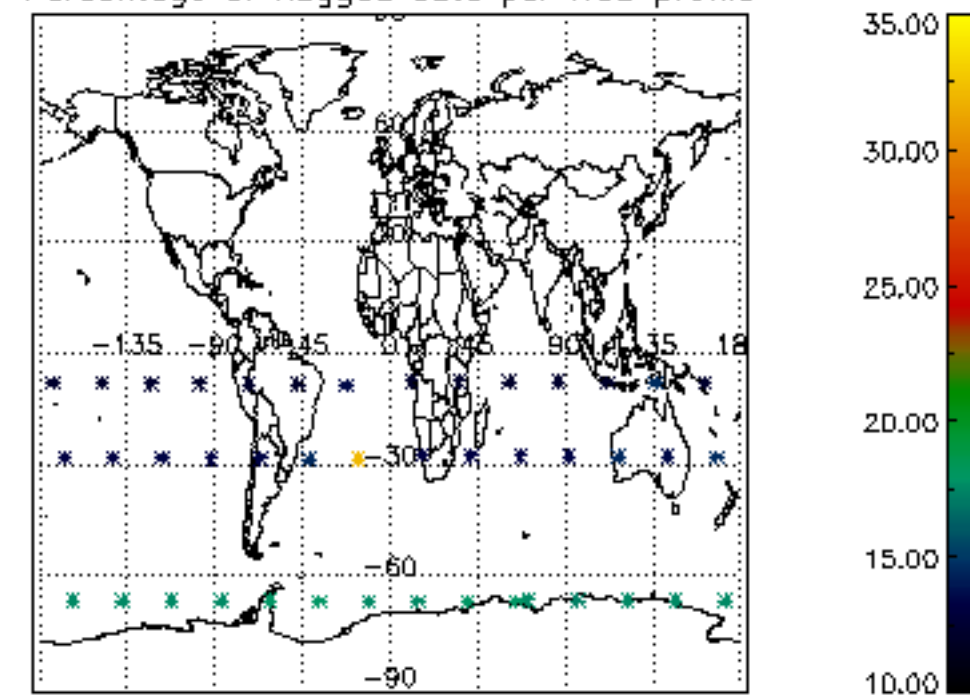
Percentage of flagged data per H2O profile

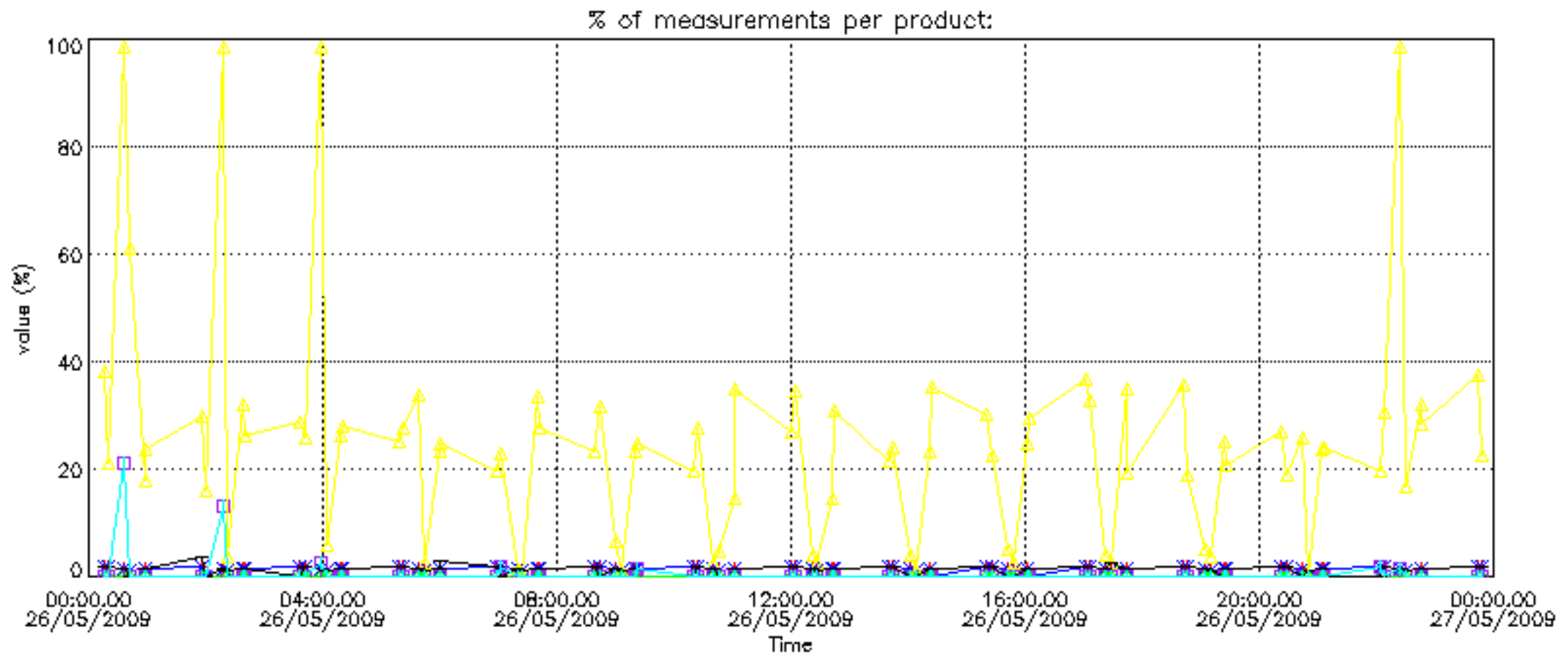


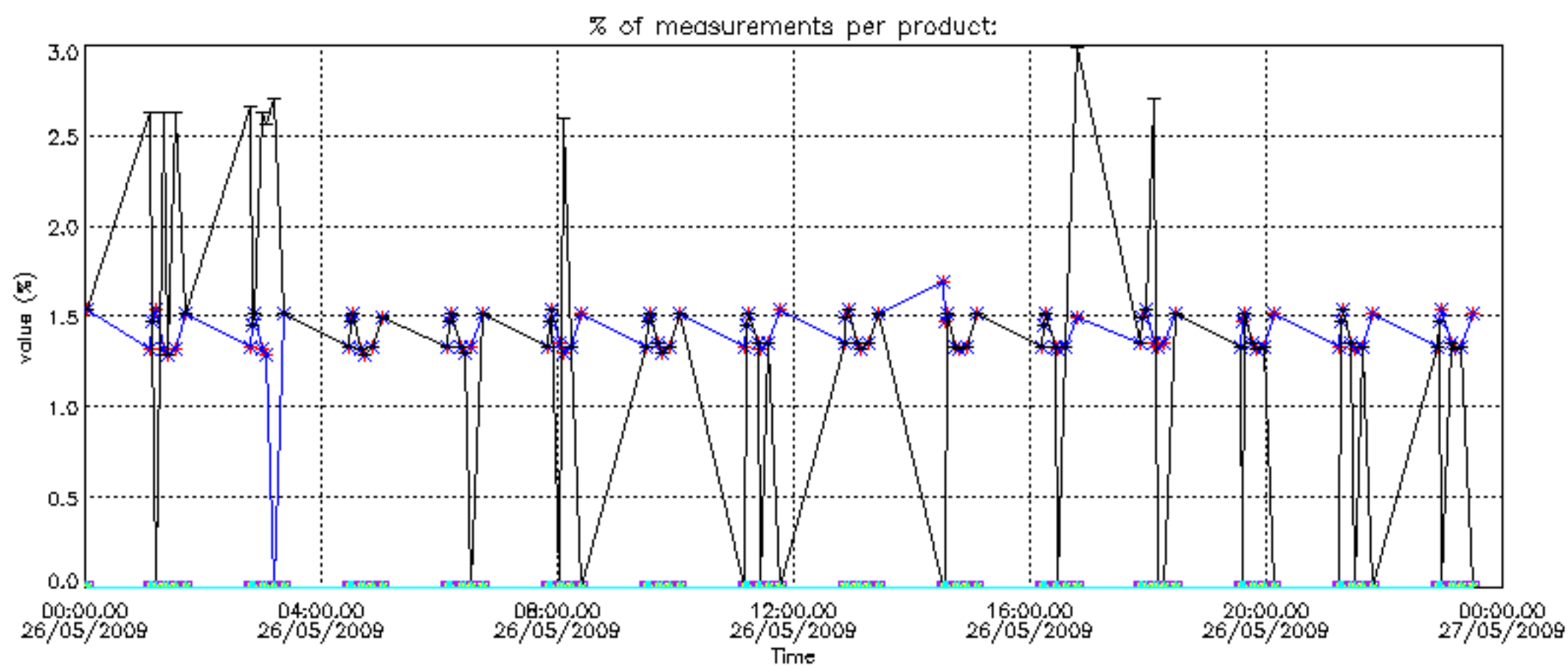
Percentage of flagged data per NO2 profile



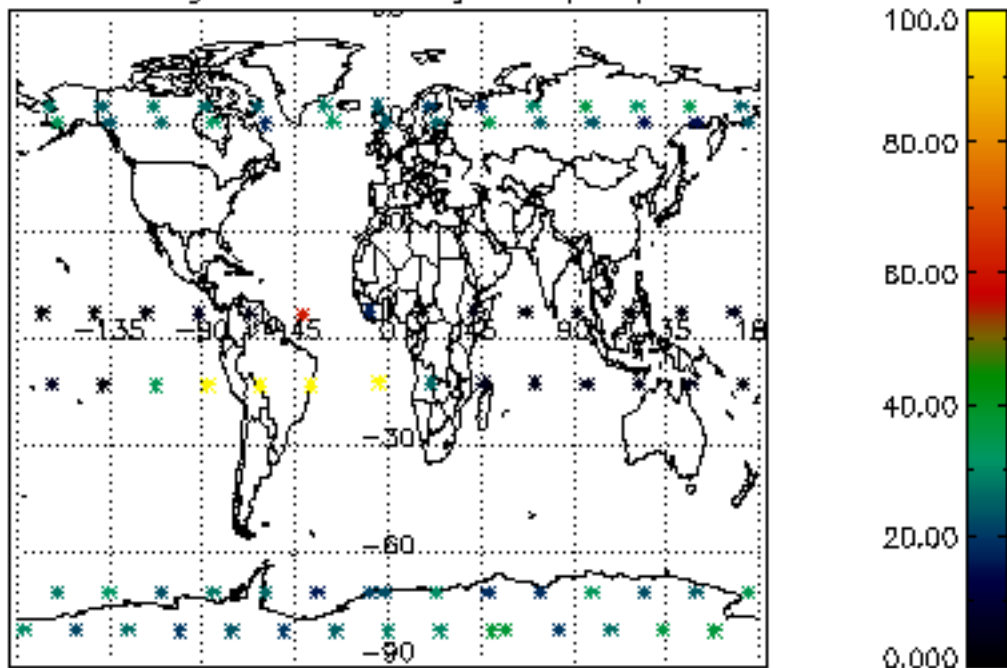
Percentage of flagged data per NO3 profile



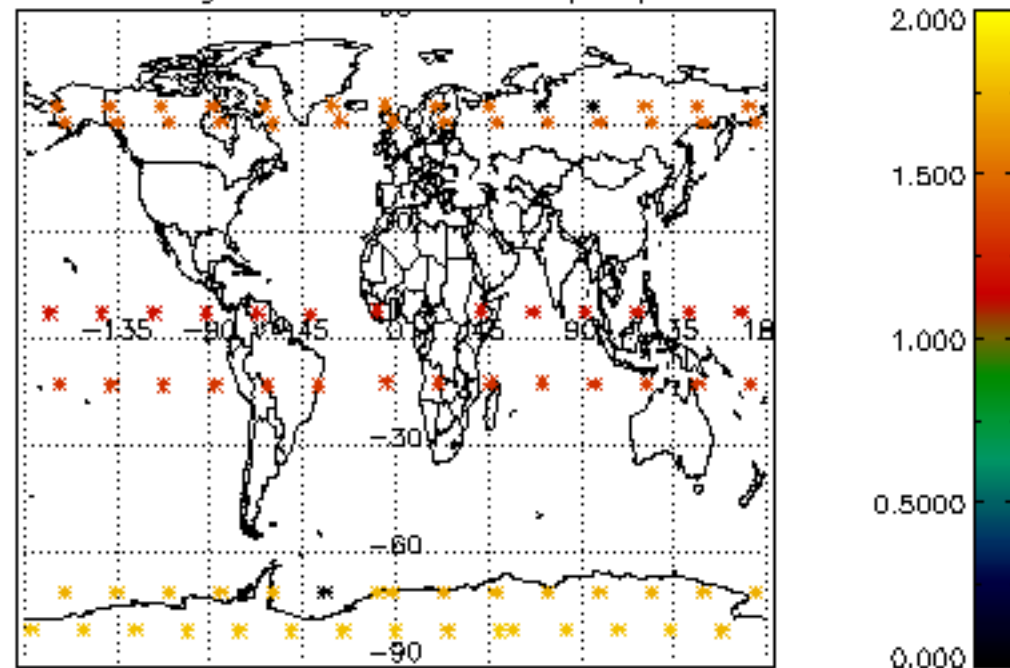




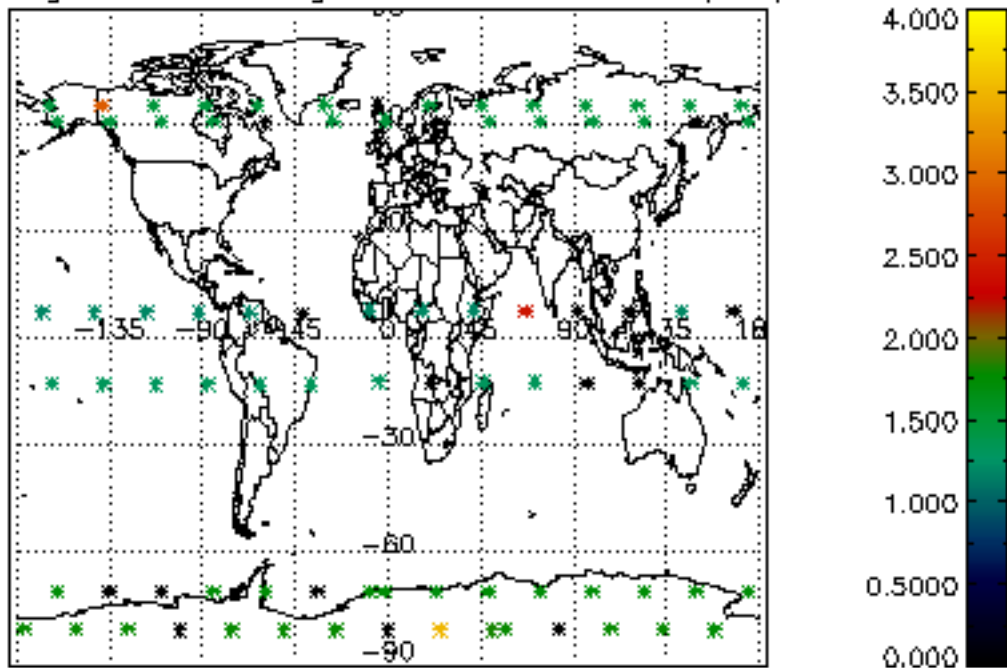
Percentage of cosmic ray hits per profile



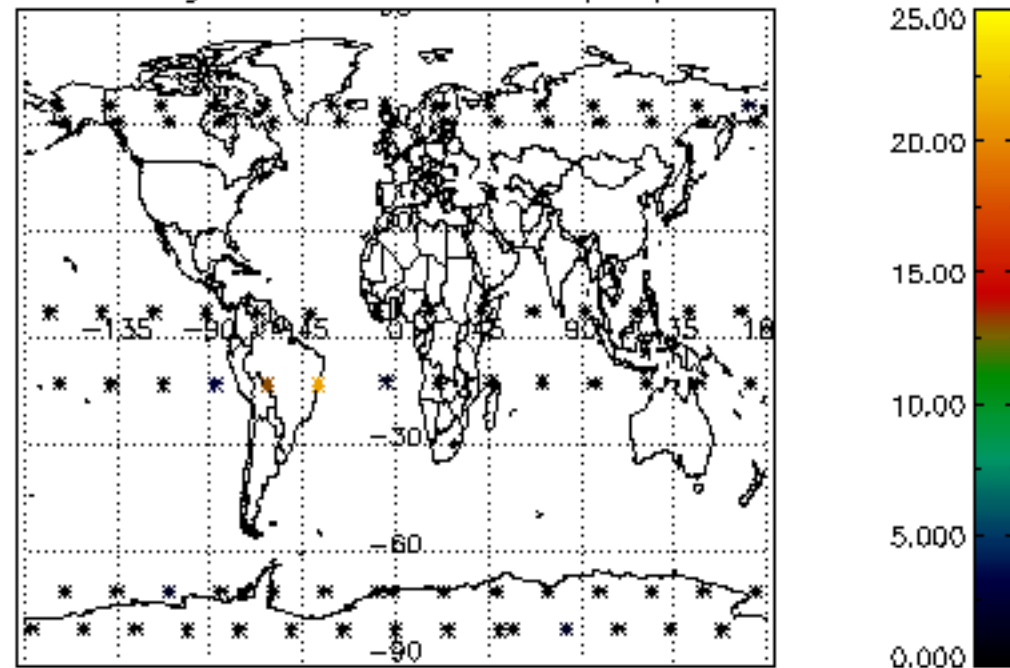
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

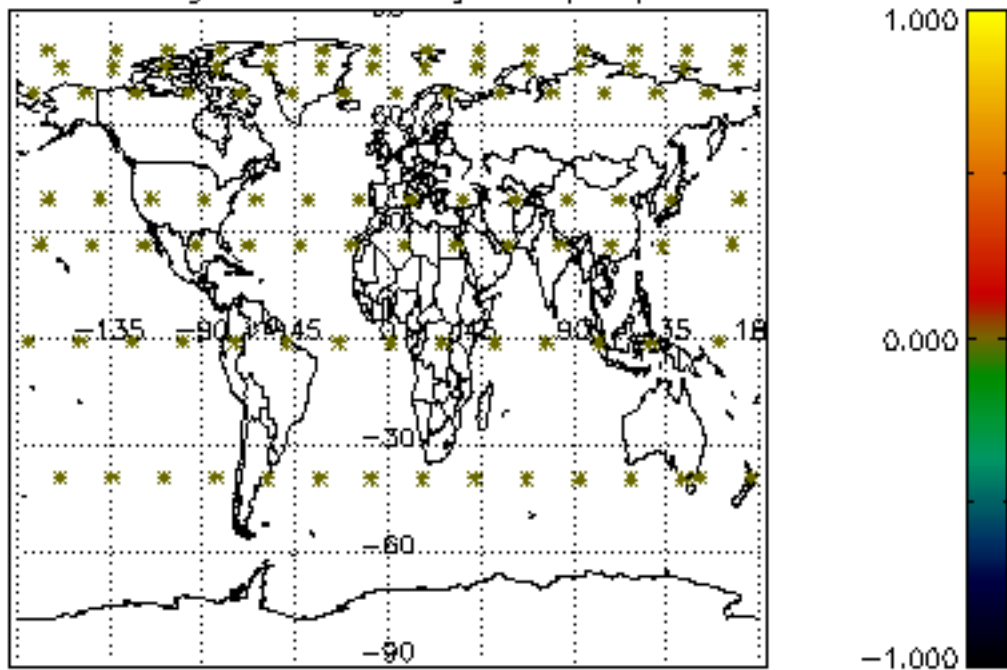


Percentage of saturation errors per profile

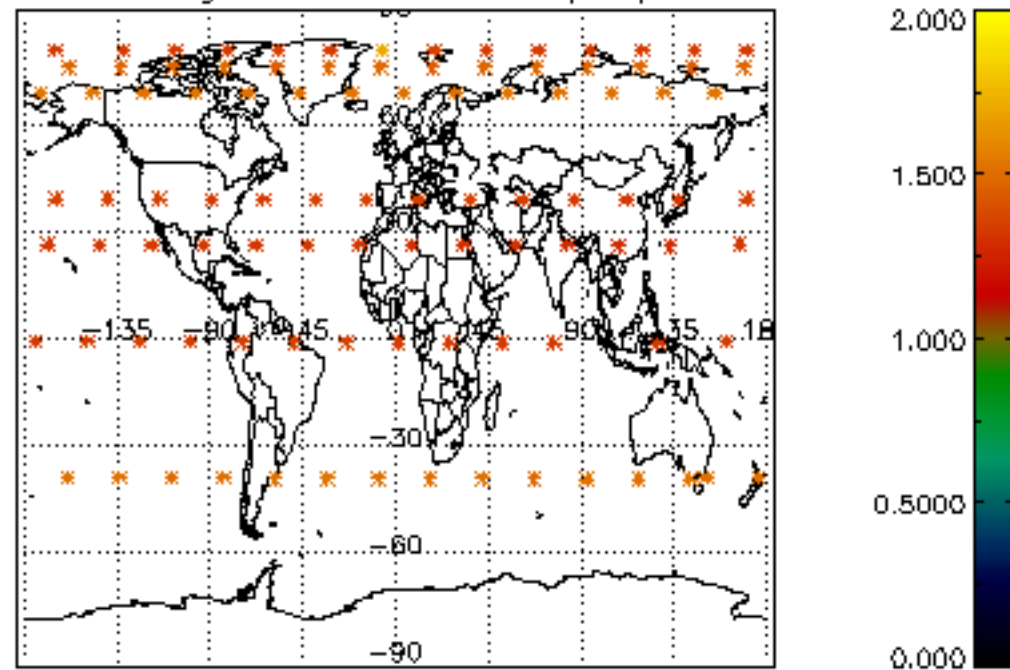




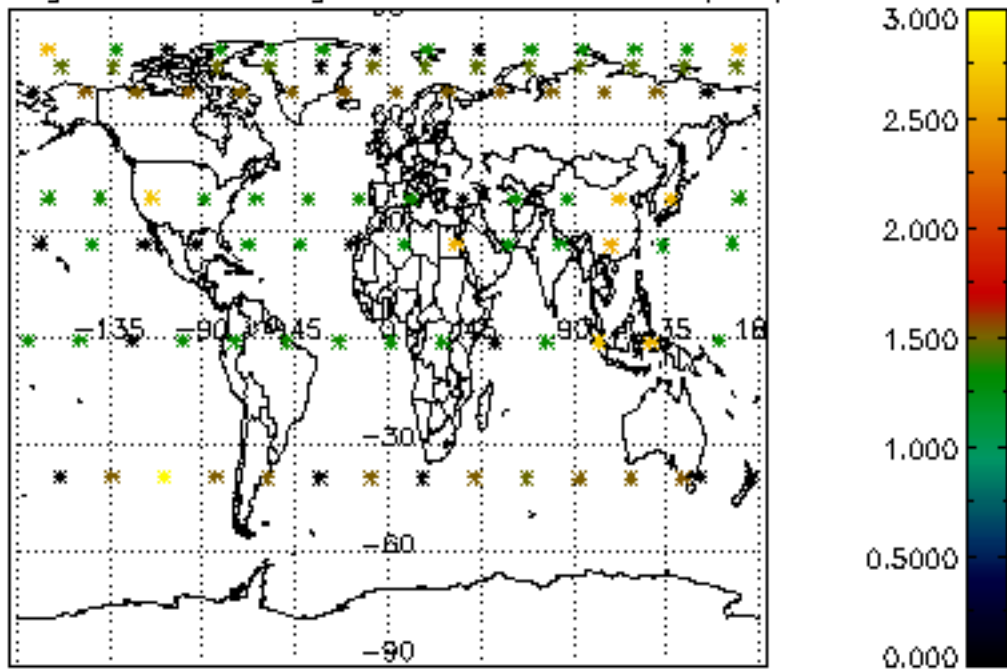
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

