GOMOS Level 2 Daily Report

SUMMARY

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1. General info

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 12:52:43
Data source version	GOMOS/6.01
Start time of products	20-09-2009 (20SEP2009 00:00:00)
Stop time of products	21-09-2009 (21SEP2009 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	157
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__2PRFIN20090920_000005_000000452082_00374_39506_7904.N1	20-SEP-2009 00:00:05	Bright	45.000	140	88Gam Peg	2.8340	26000.	90	39506	No
2	GOM_NL__2PRFIN20090920_000428_000000462082_00374_39506_7905.N1	20-SEP-2009 00:04:28	Bright	45.500	58	21Alp And	2.0730	11000.	91	39506	No
3	GOM_NL__2PRFIN20090920_001250_000000412082_00374_39506_7906.N1	20-SEP-2009 00:12:50	Bright	40.500	74	11Bet Cas	2.2680	6600.0	81	39506	No
4	GOM_NL__2PRFIN20090920_001431_000000422082_00374_39506_7907.N1	20-SEP-2009 00:14:31	Bright	42.000	76	27Gam Cas	2.3000	30000.	84	39506	No
5	GOM_NL__2PRFIN20090920_003737_000000472082_00374_39506_7908.N1	20-SEP-2009 00:37:37	Bright	47.000	24	66Alp Gem	1.5800	10200.	94	39506	No
6	GOM_NL__2PRFIN20090920_004643_000000622082_00374_39506_7909.N1	20-SEP-2009 00:46:43	Dark	61.500	8	10Alp CMi	0.40000	6500.0	123	39506	No
7	GOM_NL__2PRFIN20090920_005624_000000702082_00374_39506_7910.N1	20-SEP-2009 00:56:24	Dark	70.000	1	9Alp CMa	-1.4400	11000.	140	39506	No
8	GOM_NL__2PRFIN20090920_005821_000000512082_00374_39506_7911.N1	20-SEP-2009 00:58:21	Dark	50.500	23	21Eps CMa	1.5020	26000.	101	39506	No
9	GOM_NL__2PRFIN20090920_010443_000000542082_00375_39507_7937.N1	20-SEP-2009 01:04:43	Dark	54.000	108	Alp Col	2.6520	15200.	108	39507	No
10	GOM_NL__2PRFIN20090920_011627_000000532082_00375_39507_7938.N1	20-SEP-2009 01:16:27	Straylight	52.500	157	The1Eri	2.9060	9300.0	105	39507	No
11	GOM_NL__2PRFIN20090920_012859_000000552082_00375_39507_7939.N1	20-SEP-2009 01:28:59	Twi_and_stray	54.500	52	16Bet Cet	2.0370	4500.0	109	39507	No
12	GOM_NL__2PRFIN20090920_014041_000000452082_00375_39507_7940.N1	20-SEP-2009 01:40:41	Bright	45.000	140	88Gam Peg	2.8340	26000.	90	39507	No
13	GOM_NL__2PRFIN20090920_014503_000000442082_00375_39507_7941.N1	20-SEP-2009 01:45:03	Bright	43.500	58	21Alp And	2.0730	11000.	87	39507	No
14	GOM_NL__2PRFIN20090920_015325_000000412082_00375_39507_7942.N1	20-SEP-2009 01:53:25	Bright	40.500	74	11Bet Cas	2.2680	6600.0	81	39507	No
15	GOM_NL__2PRFIN20090920_015506_000000412082_00375_39507_7943.N1	20-SEP-2009 01:55:06	Bright	41.000	76	27Gam Cas	2.3000	30000.	82	39507	No
16	GOM_NL__2PRFIN20090920_021812_000000482082_00375_39507_7944.N1	20-SEP-2009 02:18:12	Bright	47.500	24	66Alp Gem	1.5800	10200.	95	39507	No
17	GOM_NL__2PRFIN20090920_022720_000000632082_00375_39507_7945.N1	20-SEP-2009 02:27:20	Dark	62.500	8	10Alp CMi	0.40000	6500.0	125	39507	No
18	GOM_NL__2PRFIN20090920_023701_000000642082_00375_39507_7946.N1	20-SEP-2009 02:37:01	Dark	63.500	1	9Alp CMa	-1.4400	11000.	127	39507	No
19	GOM_NL__2PRFIN20090920_024521_000000542082_00376_39508_7945.N1	20-SEP-2009 02:45:21	Dark	53.500	108	Alp Col	2.6520	15200.	107	39508	No
20	GOM_NL__2PRFIN20090920_025704_000000522082_00376_39508_7946.N1	20-SEP-2009 02:57:04	Straylight	52.000	157	The1Eri	2.9060	9300.0	104	39508	No
21	GOM_NL__2PRFIN20090920_030935_000000552082_00376_39508_7947.N1	20-SEP-2009 03:09:35	Twi_and_stray	54.500	52	16Bet Cet	2.0370	4500.0	109	39508	No
22	GOM_NL__2PRFIN20090920_032116_000000462082_00376_39508_7948.N1	20-SEP-2009 03:21:16	Bright	45.500	140	88Gam Peg	2.8340	26000.	91	39508	No
23	GOM_NL__2PRFIN20090920_032538_000000442082_00376_39508_7949.N1	20-SEP-2009 03:25:38	Bright	44.000	58	21Alp And	2.0730	11000.	88	39508	No
24	GOM_NL__2PRFIN20090920_033401_000000402082_00376_39508_7950.N1	20-SEP-2009 03:34:01	Bright	40.000	74	11Bet Cas	2.2680	6600.0	80	39508	No
25	GOM_NL__2PRFIN20090920_033541_000000392082_00376_39508_7951.N1	20-SEP-2009 03:35:41	Bright	38.500	76	27Gam Cas	2.3000	30000.	77	39508	No
26	GOM_NL__2PRFIN20090920_035849_000000572082_00376_39508_7952.N1	20-SEP-2009 03:58:49	Bright	56.500	24	66Alp Gem	1.5800	10200.	113	39508	No
27	GOM_NL__2PRFIN20090920_040756_000000562082_00376_39508_7953.N1	20-SEP-2009 04:07:56	Dark	56.000	8	10Alp CMi	0.40000	6500.0	112	39508	No
28	GOM_NL__2PRFIN20090920_041738_000000642082_00376_39508_7954.N1	20-SEP-2009 04:17:38	Dark	64.000	1	9Alp CMa	-1.4400	11000.	128	39508	No
29	GOM_NL__2PRFIN20090920_041935_000000572082_00376_39508_7955.N1	20-SEP-2009 04:19:35	Dark	56.500	23	21Eps CMa	1.5020	26000.	113	39508	No
30	GOM_NL__2PRFIN20090920_042558_000000522082_00377_39509_7953.N1	20-SEP-2009 04:25:58	Dark	51.500	108	Alp Col	2.6520	15200.	103	39509	No
31	GOM_NL__2PRFIN20090920_043741_000000532082_00377_39509_7954.N1	20-SEP-2009 04:37:41	Straylight	53.000	157	The1Eri	2.9060	9300.0	106	39509	No
32	GOM_NL__2PRFIN20090920_045011_000000542082_00377_39509_7955.N1	20-SEP-2009 04:50:11	Twi_and_stray	54.000	52	16Bet Cet	2.0370	4500.0	108	39509	No
33	GOM_NL__2PRFIN20090920_050152_000000462082_00377_39509_7956.N1	20-SEP-2009 05:01:52	Bright	45.500	140	88Gam Peg	2.8340	26000.	91	39509	No
34	GOM_NL__2PRFIN20090920_050614_000000482082_00377_39509_7957.N1	20-SEP-2009 05:06:14	Bright	48.000	58	21Alp And	2.0730	11000.	96	39509	No
35	GOM_NL__2PRFIN20090920_051436_000000402082_00377_39509_7958.N1	20-SEP-2009 05:14:36	Bright	40.000	74	11Bet Cas	2.2680	6600.0	80	39509	No
36	GOM_NL__2PRFIN20090920_051617_000000422082_00377_39509_7959.N1	20-SEP-2009 05:16:17	Bright	41.500	76	27Gam Cas	2.3000	30000.	83	39509	No
37	GOM_NL__2PRFIN20090920_053925_000000462082_00377_39509_7960.N1	20-SEP-2009 05:39:25	Bright	46.000	24	66Alp Gem	1.5800	10200.	92	39509	No
38	GOM_NL__2PRFIN20090920_054833_000000672082_00377_39509_7961.N1	20-SEP-2009 05:48:33	Dark	67.000	8	10Alp CMi	0.40000	6500.0	134	39509	No
39	GOM_NL__2PRFIN20090920_055815_000000622082_00377_39509_7962.N1	20-SEP-2009 05:58:15	Dark	62.000	1	9Alp CMa	-1.4400	11000.	124	39509	No
40	GOM_NL__2PRFIN20090920_060012_000000482082_00377_39509_7963.N1	20-SEP-2009 06:00:12	Dark	48.000	23	21Eps CMa	1.5020	26000.	96	39509	No
41	GOM_NL__2PRFIN20090920_060635_000000552082_00378_39510_7980.N1	20-SEP-2009 06:06:35	Dark	55.000	108	Alp Col	2.6520	15200.	110	39510	No
42	GOM_NL__2PRFIN20090920_061818_000000552082_00378_39510_7981.N1	20-SEP-2009 06:18:18	Straylight	54.500	157	The1Eri	2.9060	9300.0	109	39510	No

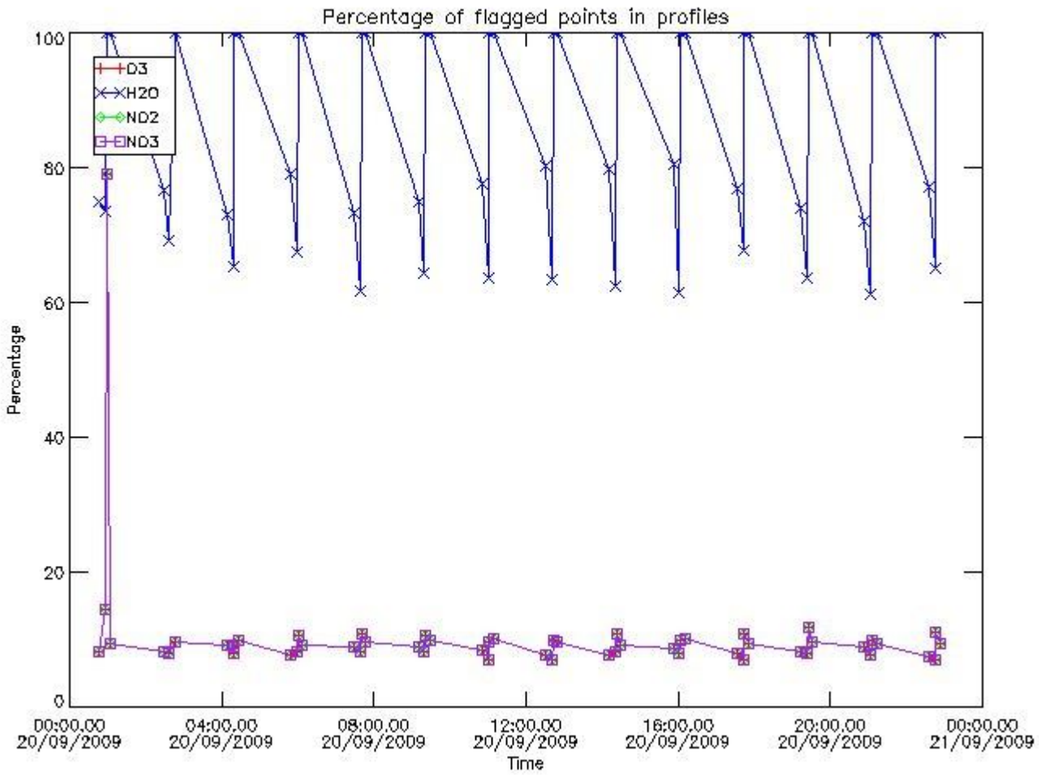
43	GOM_NL__2PRFIN20090920_063047_000000552082_00378_39510_7982.N1	20-SEP-2009 06:30:47	Twi_and_stray	54.500	52	16Bet Cet	2.0370	4500.0	109	39510	No
44	GOM_NL__2PRFIN20090920_064227_000000452082_00378_39510_7983.N1	20-SEP-2009 06:42:27	Bright	45.000	140	88Gam Peg	2.8340	26000.	90	39510	No
45	GOM_NL__2PRFIN20090920_064649_000000462082_00378_39510_7984.N1	20-SEP-2009 06:46:49	Bright	45.500	58	21Alp And	2.0730	11000.	91	39510	No
46	GOM_NL__2PRFIN20090920_065512_000000412082_00378_39510_7985.N1	20-SEP-2009 06:55:12	Bright	40.500	74	11Bet Cas	2.2680	6600.0	81	39510	No
47	GOM_NL__2PRFIN20090920_065653_000000422082_00378_39510_7986.N1	20-SEP-2009 06:56:53	Bright	42.000	76	27Gam Cas	2.3000	30000.	84	39510	No
48	GOM_NL__2PRFIN20090920_072001_000000492082_00378_39510_7987.N1	20-SEP-2009 07:20:01	Bright	49.000	24	66Alp Gem	1.5800	10200.	98	39510	No
49	GOM_NL__2PRFIN20090920_072910_000000572082_00378_39510_7988.N1	20-SEP-2009 07:29:10	Dark	56.500	8	10Alp CMi	0.40000	6500.0	113	39510	No
50	GOM_NL__2PRFIN20090920_073853_000000632082_00378_39510_7989.N1	20-SEP-2009 07:38:53	Dark	63.000	1	9Alp CMa	-1.4400	11000.	126	39510	No
51	GOM_NL__2PRFIN20090920_074049_000000522082_00378_39510_7990.N1	20-SEP-2009 07:40:49	Dark	52.000	23	21Eps CMa	1.5020	26000.	104	39510	No
52	GOM_NL__2PRFIN20090920_074713_000000532082_00379_39511_7994.N1	20-SEP-2009 07:47:13	Dark	53.000	108	Alp Col	2.6520	15200.	106	39511	No
53	GOM_NL__2PRFIN20090920_075855_000000542082_00379_39511_7995.N1	20-SEP-2009 07:58:55	Straylight	53.500	157	The1Eri	2.9060	9300.0	107	39511	No
54	GOM_NL__2PRFIN20090920_081123_000000522082_00379_39511_7996.N1	20-SEP-2009 08:11:23	Twi_and_stray	52.000	52	16Bet Cet	2.0370	4500.0	104	39511	No
55	GOM_NL__2PRFIN20090920_082302_000000462082_00379_39511_7997.N1	20-SEP-2009 08:23:02	Bright	45.500	140	88Gam Peg	2.8340	26000.	91	39511	No
56	GOM_NL__2PRFIN20090920_082725_000000452082_00379_39511_7998.N1	20-SEP-2009 08:27:25	Bright	44.500	58	21Alp And	2.0730	11000.	89	39511	No
57	GOM_NL__2PRFIN20090920_083547_000000402082_00379_39511_7999.N1	20-SEP-2009 08:35:47	Bright	40.000	74	11Bet Cas	2.2680	6600.0	80	39511	No
58	GOM_NL__2PRFIN20090920_083728_000000422082_00379_39511_8000.N1	20-SEP-2009 08:37:28	Bright	42.000	76	27Gam Cas	2.3000	30000.	84	39511	No
59	GOM_NL__2PRFIN20090920_090037_000000662082_00379_39511_8001.N1	20-SEP-2009 09:00:37	Bright	66.000	24	66Alp Gem	1.5800	10200.	132	39511	No
60	GOM_NL__2PRFIN20090920_090946_000000572082_00379_39511_8002.N1	20-SEP-2009 09:09:46	Dark	56.500	8	10Alp CMi	0.40000	6500.0	113	39511	No
61	GOM_NL__2PRFIN20090920_091930_000000622082_00379_39511_8003.N1	20-SEP-2009 09:19:30	Dark	62.000	1	9Alp CMa	-1.4400	11000.	124	39511	No
62	GOM_NL__2PRFIN20090920_092126_000000492082_00379_39511_8004.N1	20-SEP-2009 09:21:26	Dark	48.500	23	21Eps CMa	1.5020	26000.	97	39511	No
63	GOM_NL__2PRFIN20090920_092750_000000522082_00380_39512_8008.N1	20-SEP-2009 09:27:50	Dark	51.500	108	Alp Col	2.6520	15200.	103	39512	No
64	GOM_NL__2PRFIN20090920_093932_000000542082_00380_39512_8009.N1	20-SEP-2009 09:39:32	Straylight	53.500	157	The1Eri	2.9060	9300.0	107	39512	No
65	GOM_NL__2PRFIN20090920_095159_000000552082_00380_39512_8010.N1	20-SEP-2009 09:51:59	Twi_and_stray	54.500	52	16Bet Cet	2.0370	4500.0	109	39512	No
66	GOM_NL__2PRFIN20090920_100338_000000452082_00380_39512_8011.N1	20-SEP-2009 10:03:38	Bright	44.500	140	88Gam Peg	2.8340	26000.	89	39512	No
67	GOM_NL__2PRFIN20090920_100800_000000442082_00380_39512_8012.N1	20-SEP-2009 10:08:00	Bright	44.000	58	21Alp And	2.0730	11000.	88	39512	No
68	GOM_NL__2PRFIN20090920_101623_000000402082_00380_39512_8013.N1	20-SEP-2009 10:16:23	Bright	40.000	74	11Bet Cas	2.2680	6600.0	80	39512	No
69	GOM_NL__2PRFIN20090920_101803_000000432082_00380_39512_8014.N1	20-SEP-2009 10:18:03	Bright	42.500	76	27Gam Cas	2.3000	30000.	85	39512	No
70	GOM_NL__2PRFIN20090920_104113_000000512082_00380_39512_8015.N1	20-SEP-2009 10:41:13	Bright	51.000	24	66Alp Gem	1.5800	10200.	102	39512	No
71	GOM_NL__2PRFIN20090920_105023_000000612082_00380_39512_8016.N1	20-SEP-2009 10:50:23	Dark	60.500	8	10Alp CMi	0.40000	6500.0	121	39512	No
72	GOM_NL__2PRFIN20090920_110007_000000722082_00380_39512_8017.N1	20-SEP-2009 11:00:07	Dark	72.000	1	9Alp CMa	-1.4400	11000.	144	39512	No
73	GOM_NL__2PRFIN20090920_110203_000000532082_00380_39512_8018.N1	20-SEP-2009 11:02:03	Dark	52.500	23	21Eps CMa	1.5020	26000.	105	39512	No
74	GOM_NL__2PRFIN20090920_110827_000000502082_00381_39513_8022.N1	20-SEP-2009 11:08:27	Dark	50.000	108	Alp Col	2.6520	15200.	100	39513	No
75	GOM_NL__2PRFIN20090920_112009_000000532082_00381_39513_8023.N1	20-SEP-2009 11:20:09	Straylight	52.500	157	The1Eri	2.9060	9300.0	105	39513	No
76	GOM_NL__2PRFIN20090920_113235_000000532082_00381_39513_8024.N1	20-SEP-2009 11:32:35	Twi_and_stray	53.000	52	16Bet Cet	2.0370	4500.0	106	39513	No
77	GOM_NL__2PRFIN20090920_114413_000000442082_00381_39513_8025.N1	20-SEP-2009 11:44:13	Bright	44.000	140	88Gam Peg	2.8340	26000.	88	39513	No
78	GOM_NL__2PRFIN20090920_114835_000000422082_00381_39513_8026.N1	20-SEP-2009 11:48:35	Bright	42.000	58	21Alp And	2.0730	11000.	84	39513	No
79	GOM_NL__2PRFIN20090920_115658_000000412082_00381_39513_8027.N1	20-SEP-2009 11:56:58	Bright	40.500	74	11Bet Cas	2.2680	6600.0	81	39513	No
80	GOM_NL__2PRFIN20090920_115838_000000402082_00381_39513_8028.N1	20-SEP-2009 11:58:38	Bright	39.500	76	27Gam Cas	2.3000	30000.	79	39513	No
81	GOM_NL__2PRFIN20090920_122149_000000462082_00381_39513_8029.N1	20-SEP-2009 12:21:49	Bright	46.000	24	66Alp Gem	1.5800	10200.	92	39513	No
82	GOM_NL__2PRFIN20090920_123059_000000662082_00381_39513_8030.N1	20-SEP-2009 12:30:59	Dark	66.000	8	10Alp CMi	0.40000	6500.0	132	39513	No
83	GOM_NL__2PRFIN20090920_124044_000000742082_00381_39513_8031.N1	20-SEP-2009 12:40:44	Dark	74.000	1	9Alp CMa	-1.4400	11000.	148	39513	No
84	GOM_NL__2PRFIN20090920_124240_000000522082_00381_39513_8032.N1	20-SEP-2009 12:42:40	Dark	51.500	23	21Eps CMa	1.5020	26000.	103	39513	No
85	GOM_NL__2PRFIN20090920_124904_000000542082_00382_39514_8036.N1	20-SEP-2009 12:49:04	Dark	53.500	108	Alp Col	2.6520	15200.	107	39514	No
86	GOM_NL__2PRFIN20090920_130045_000000532082_00382_39514_8037.N1	20-SEP-2009 13:00:45	Straylight	53.000	157	The1Eri	2.9060	9300.0	106	39514	No
87	GOM_NL__2PRFIN20090920_131311_000000542082_00382_39514_8038.N1	20-SEP-2009 13:13:11	Twi_and_stray	54.000	52	16Bet Cet	2.0370	4500.0	108	39514	No
88	GOM_NL__2PRFIN20090920_132449_000000672082_00382_39514_8039.N1	20-SEP-2009 13:24:49	Bright	67.000	140	88Gam Peg	2.8340	26000.	134	39514	No
89	GOM_NL__2PRFIN20090920_132910_000000432082_00382_39514_8040.N1	20-SEP-2009 13:29:10	Bright	43.000	58	21Alp And	2.0730	11000.	86	39514	No
90	GOM_NL__2PRFIN20090920_133734_000000582082_00382_39514_8041.N1	20-SEP-2009 13:37:34	Bright	58.000	74	11Bet Cas	2.2680	6600.0	116	39514	No
91	GOM_NL__2PRFIN20090920_133914_000000432082_00382_39514_8042.N1	20-SEP-2009 13:39:14	Bright	42.500	76	27Gam Cas	2.3000	30000.	85	39514	No
92	GOM_NL__2PRFIN20090920_140225_000000472082_00382_39514_8043.N1	20-SEP-2009 14:02:25	Bright	46.500	24	66Alp Gem	1.5800	10200.	93	39514	No
93	GOM_NL__2PRFIN20090920_141136_000000672082_00382_39514_8044.N1	20-SEP-2009 14:11:36	Dark	67.000	8	10Alp CMi	0.40000	6500.0	134	39514	No
94	GOM_NL__2PRFIN20090920_142121_000000632082_00382_39514_8045.N1	20-SEP-2009 14:21:21	Dark	63.000	1	9Alp CMa	-1.4400	11000.	126	39514	No
95	GOM_NL__2PRFIN20090920_142316_000000472082_00382_39514_8046.N1	20-SEP-2009 14:23:16	Dark	46.500	23	21Eps CMa	1.5020	26000.	93	39514	No
96	GOM_NL__2PRFIN20090920_142941_000000562082_00383_39515_8050.N1	20-SEP-2009 14:29:41	Dark	55.500	108	Alp Col	2.6520	15200.	111	39515	No
97	GOM_NL__2PRFIN20090920_144122_000000522082_00383_39515_8051.N1	20-SEP-2009 14:41:22	Straylight	51.500	157	The1Eri	2.9060	9300.0	103	39515	No
98	GOM_NL__2PRFIN20090920_145347_000000542082_00383_39515_8052.N1	20-SEP-2009 14:53:47	Twi_and_stray	53.500	52	16Bet Cet	2.0370	4500.0	107	39515	No
99	GOM_NL__2PRFIN20090920_150524_000000442082_00383_39515_8053.N1	20-SEP-2009 15:05:24	Bright	44.000	140	88Gam Peg	2.8340	26000.	88	39515	No
100	GOM_NL__2PRFIN20090920_150946_000000452082_00383_39515_8054.N1	20-SEP-2009 15:09:46	Bright	45.000	58	21Alp And	2.0730	11000.	90	39515	No
101	GOM_NL__2PRFIN20090920_151810_000000412082_00383_39515_8055.N1	20-SEP-2009 15:18:10	Bright	40.500	74	11Bet Cas	2.2680	6600.0	81	39515	No

102	GOM_NL__2PRFIN20090920_151949_000000432082_00383_39515_8056.N1	20-SEP-2009 15:19:49	Bright	42.500	76	27Gam Cas	2.3000	30000.	85	39515	No
103	GOM_NL__2PRFIN20090920_154301_000000662082_00383_39515_8057.N1	20-SEP-2009 15:43:01	Bright	66.000	24	66Alp Gem	1.5800	10200.	132	39515	No
104	GOM_NL__2PRFIN20090920_155213_000000602082_00383_39515_8058.N1	20-SEP-2009 15:52:13	Dark	59.500	8	10Alp CMi	0.40000	6500.0	119	39515	No
105	GOM_NL__2PRFIN20090920_160158_000000642082_00383_39515_8059.N1	20-SEP-2009 16:01:58	Dark	64.000	1	9Alp CMa	-1.4400	11000.	128	39515	No
106	GOM_NL__2PRFIN20090920_160353_000000512082_00383_39515_8060.N1	20-SEP-2009 16:03:53	Dark	51.000	23	21Eps CMa	1.5020	26000.	102	39515	No
107	GOM_NL__2PRFIN20090920_161019_000000552082_00384_39516_8067.N1	20-SEP-2009 16:10:19	Dark	55.000	108	Alp Col	2.6520	15200.	110	39516	No
108	GOM_NL__2PRFIN20090920_162159_000000522082_00384_39516_8068.N1	20-SEP-2009 16:21:59	Straylight	52.000	157	The1Eri	2.9060	9300.0	104	39516	No
109	GOM_NL__2PRFIN20090920_163423_000000532082_00384_39516_8069.N1	20-SEP-2009 16:34:23	Twi_and_stray	53.000	52	16Bet Cet	2.0370	4500.0	106	39516	No
110	GOM_NL__2PRFIN20090920_164600_000000462082_00384_39516_8070.N1	20-SEP-2009 16:46:00	Bright	46.000	140	88Gam Peg	2.8340	26000.	92	39516	No
111	GOM_NL__2PRFIN20090920_165021_000000652082_00384_39516_8071.N1	20-SEP-2009 16:50:21	Bright	65.000	58	21Alp And	2.0730	11000.	130	39516	No
112	GOM_NL__2PRFIN20090920_165845_000000412082_00384_39516_8072.N1	20-SEP-2009 16:58:45	Bright	41.000	74	11Bet Cas	2.2680	6600.0	82	39516	No
113	GOM_NL__2PRFIN20090920_170025_000000432082_00384_39516_8073.N1	20-SEP-2009 17:00:25	Bright	42.500	76	27Gam Cas	2.3000	30000.	85	39516	No
114	GOM_NL__2PRFIN20090920_172337_000000472082_00384_39516_8074.N1	20-SEP-2009 17:23:37	Bright	46.500	24	66Alp Gem	1.5800	10200.	93	39516	No
115	GOM_NL__2PRFIN20090920_173249_000000652082_00384_39516_8075.N1	20-SEP-2009 17:32:49	Dark	65.000	8	10Alp CMi	0.40000	6500.0	130	39516	No
116	GOM_NL__2PRFIN20090920_174236_000000732082_00384_39516_8076.N1	20-SEP-2009 17:42:36	Dark	73.000	1	9Alp CMa	-1.4400	11000.	146	39516	No
117	GOM_NL__2PRFIN20090920_174430_000000522082_00384_39516_8077.N1	20-SEP-2009 17:44:30	Dark	51.500	23	21Eps CMa	1.5020	26000.	103	39516	No
118	GOM_NL__2PRFIN20090920_175056_000000552082_00385_39517_8105.N1	20-SEP-2009 17:50:56	Dark	54.500	108	Alp Col	2.6520	15200.	109	39517	No
119	GOM_NL__2PRFIN20090920_180236_000000542082_00385_39517_8106.N1	20-SEP-2009 18:02:36	Straylight	53.500	157	The1Eri	2.9060	9300.0	107	39517	No
120	GOM_NL__2PRFIN20090920_181459_000000532082_00385_39517_8107.N1	20-SEP-2009 18:14:59	Twi_and_stray	52.500	52	16Bet Cet	2.0370	4500.0	105	39517	No
121	GOM_NL__2PRFIN20090920_182635_000000452082_00385_39517_8108.N1	20-SEP-2009 18:26:35	Bright	45.000	140	88Gam Peg	2.8340	26000.	90	39517	No
122	GOM_NL__2PRFIN20090920_183057_000000432082_00385_39517_8109.N1	20-SEP-2009 18:30:57	Bright	43.000	58	21Alp And	2.0730	11000.	86	39517	No
123	GOM_NL__2PRFIN20090920_183921_000000402082_00385_39517_8110.N1	20-SEP-2009 18:39:21	Bright	40.000	74	11Bet Cas	2.2680	6600.0	80	39517	No
124	GOM_NL__2PRFIN20090920_184100_000000432082_00385_39517_8111.N1	20-SEP-2009 18:41:00	Bright	42.500	76	27Gam Cas	2.3000	30000.	85	39517	No
125	GOM_NL__2PRFIN20090920_190413_000000492082_00385_39517_8112.N1	20-SEP-2009 19:04:13	Bright	49.000	24	66Alp Gem	1.5800	10200.	98	39517	No
126	GOM_NL__2PRFIN20090920_191326_000000622082_00385_39517_8113.N1	20-SEP-2009 19:13:26	Dark	62.000	8	10Alp CMi	0.40000	6500.0	124	39517	No
127	GOM_NL__2PRFIN20090920_192313_000000652082_00385_39517_8114.N1	20-SEP-2009 19:23:13	Dark	65.000	1	9Alp CMa	-1.4400	11000.	130	39517	No
128	GOM_NL__2PRFIN20090920_192507_000000522082_00385_39517_8115.N1	20-SEP-2009 19:25:07	Dark	51.500	23	21Eps CMa	1.5020	26000.	103	39517	No
129	GOM_NL__2PRFIN20090920_193134_000000532082_00386_39518_8122.N1	20-SEP-2009 19:31:34	Dark	53.000	108	Alp Col	2.6520	15200.	106	39518	No
130	GOM_NL__2PRFIN20090920_194313_000000542082_00386_39518_8123.N1	20-SEP-2009 19:43:13	Straylight	53.500	157	The1Eri	2.9060	9300.0	107	39518	No
131	GOM_NL__2PRFIN20090920_195535_000000542082_00386_39518_8124.N1	20-SEP-2009 19:55:35	Twi_and_stray	54.000	52	16Bet Cet	2.0370	4500.0	108	39518	No
132	GOM_NL__2PRFIN20090920_200710_000000452082_00386_39518_8125.N1	20-SEP-2009 20:07:10	Bright	44.500	140	88Gam Peg	2.8340	26000.	89	39518	No
133	GOM_NL__2PRFIN20090920_201132_000000612082_00386_39518_8126.N1	20-SEP-2009 20:11:32	Bright	61.000	58	21Alp And	2.0730	11000.	122	39518	No
134	GOM_NL__2PRFIN20090920_201956_000000422082_00386_39518_8127.N1	20-SEP-2009 20:19:56	Bright	41.500	74	11Bet Cas	2.2680	6600.0	83	39518	No
135	GOM_NL__2PRFIN20090920_202135_000000432082_00386_39518_8128.N1	20-SEP-2009 20:21:35	Bright	42.500	76	27Gam Cas	2.3000	30000.	85	39518	No
136	GOM_NL__2PRFIN20090920_204449_000000462082_00386_39518_8129.N1	20-SEP-2009 20:44:49	Bright	46.000	24	66Alp Gem	1.5800	10200.	92	39518	No
137	GOM_NL__2PRFIN20090920_205402_000000582082_00386_39518_8130.N1	20-SEP-2009 20:54:02	Dark	57.500	8	10Alp CMi	0.40000	6500.0	115	39518	No
138	GOM_NL__2PRFIN20090920_210350_000000662082_00386_39518_8131.N1	20-SEP-2009 21:03:50	Dark	66.000	1	9Alp CMa	-1.4400	11000.	132	39518	No
139	GOM_NL__2PRFIN20090920_210544_000000522082_00386_39518_8132.N1	20-SEP-2009 21:05:44	Dark	52.000	23	21Eps CMa	1.5020	26000.	104	39518	No
140	GOM_NL__2PRFIN20090920_211211_000000552082_00387_39519_8139.N1	20-SEP-2009 21:12:11	Dark	54.500	108	Alp Col	2.6520	15200.	109	39519	No
141	GOM_NL__2PRFIN20090920_212349_000000512082_00387_39519_8140.N1	20-SEP-2009 21:23:49	Straylight	51.000	157	The1Eri	2.9060	9300.0	102	39519	No
142	GOM_NL__2PRFIN20090920_213611_000000542082_00387_39519_8141.N1	20-SEP-2009 21:36:11	Twi_and_stray	54.000	52	16Bet Cet	2.0370	4500.0	108	39519	No
143	GOM_NL__2PRFIN20090920_214746_000000452082_00387_39519_8142.N1	20-SEP-2009 21:47:46	Bright	45.000	140	88Gam Peg	2.8340	26000.	90	39519	No
144	GOM_NL__2PRFIN20090920_215207_000000432082_00387_39519_8143.N1	20-SEP-2009 21:52:07	Bright	43.000	58	21Alp And	2.0730	11000.	86	39519	No
145	GOM_NL__2PRFIN20090920_220032_000000402082_00387_39519_8144.N1	20-SEP-2009 22:00:32	Bright	40.000	74	11Bet Cas	2.2680	6600.0	80	39519	No
146	GOM_NL__2PRFIN20090920_220211_000000412082_00387_39519_8145.N1	20-SEP-2009 22:02:11	Bright	41.000	76	27Gam Cas	2.3000	30000.	82	39519	No
147	GOM_NL__2PRFIN20090920_222525_000000482082_00387_39519_8146.N1	20-SEP-2009 22:25:25	Bright	48.000	24	66Alp Gem	1.5800	10200.	96	39519	No
148	GOM_NL__2PRFIN20090920_223439_000000682082_00387_39519_8147.N1	20-SEP-2009 22:34:39	Dark	67.500	8	10Alp CMi	0.40000	6500.0	135	39519	No
149	GOM_NL__2PRFIN20090920_224427_000000742082_00387_39519_8148.N1	20-SEP-2009 22:44:27	Dark	73.500	1	9Alp CMa	-1.4400	11000.	147	39519	No
150	GOM_NL__2PRFIN20090920_224621_000000462082_00387_39519_8149.N1	20-SEP-2009 22:46:21	Dark	45.500	23	21Eps CMa	1.5020	26000.	91	39519	No
151	GOM_NL__2PRFIN20090920_225248_000000542082_00388_39520_8158.N1	20-SEP-2009 22:52:48	Dark	54.000	108	Alp Col	2.6520	15200.	108	39520	No
152	GOM_NL__2PRFIN20090920_230426_000000532082_00388_39520_8159.N1	20-SEP-2009 23:04:26	Straylight	52.500	157	The1Eri	2.9060	9300.0	105	39520	No
153	GOM_NL__2PRFIN20090920_231647_000000542082_00388_39520_8160.N1	20-SEP-2009 23:16:47	Twi_and_stray	54.000	52	16Bet Cet	2.0370	4500.0	108	39520	No
154	GOM_NL__2PRFIN20090920_232821_000000442082_00388_39520_8161.N1	20-SEP-2009 23:28:21	Bright	43.500	140	88Gam Peg	2.8340	26000.	87	39520	No
155	GOM_NL__2PRFIN20090920_233243_000000452082_00388_39520_8162.N1	20-SEP-2009 23:32:43	Bright	45.000	58	21Alp And	2.0730	11000.	90	39520	No
156	GOM_NL__2PRFIN20090920_234107_000000402082_00388_39520_8163.N1	20-SEP-2009 23:41:07	Bright	40.000	74	11Bet Cas	2.2680	6600.0	80	39520	No
157	GOM_NL__2PRFIN20090920_234246_000000432082_00388_39520_8164.N1	20-SEP-2009 23:42:46	Bright	42.500	76	27Gam Cas	2.3000	30000.	85	39520	No

3. Quality information per product

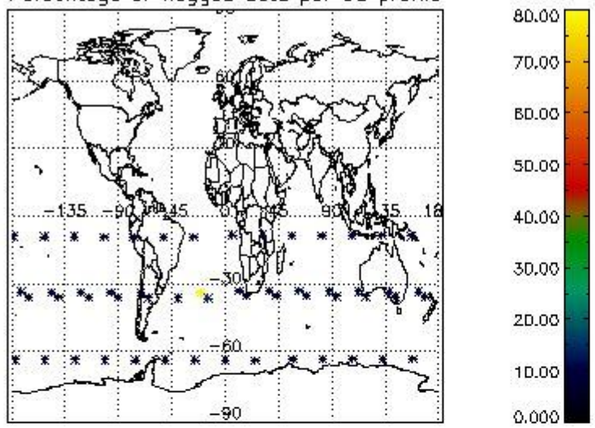
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

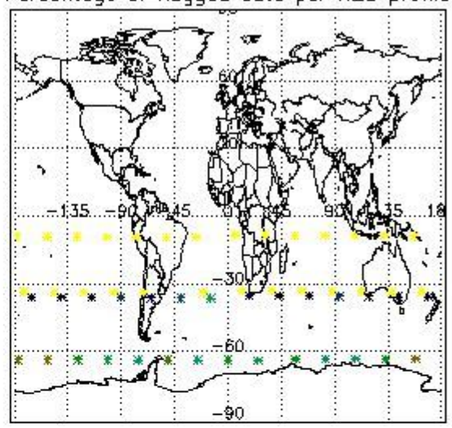


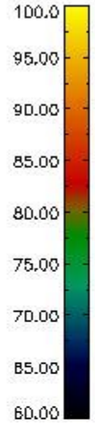
3.2 Plot quality information per product (world map)

Percentage of flagged data per O3 profile

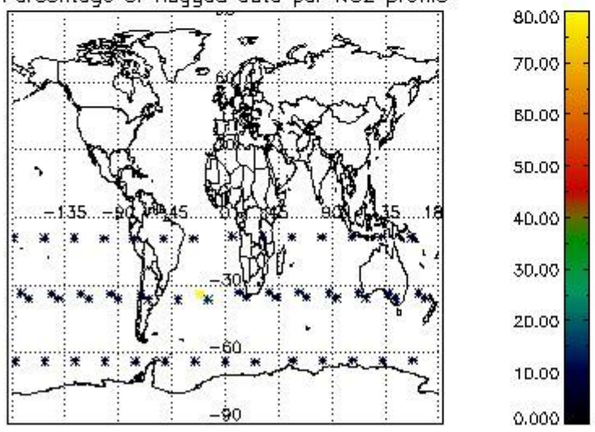


Percentage of flagged data per H2O profile

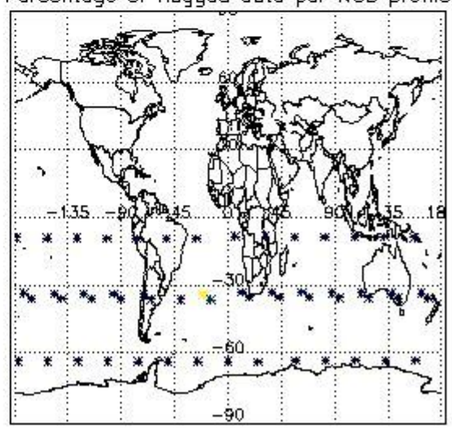


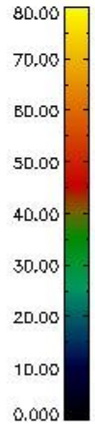


Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile



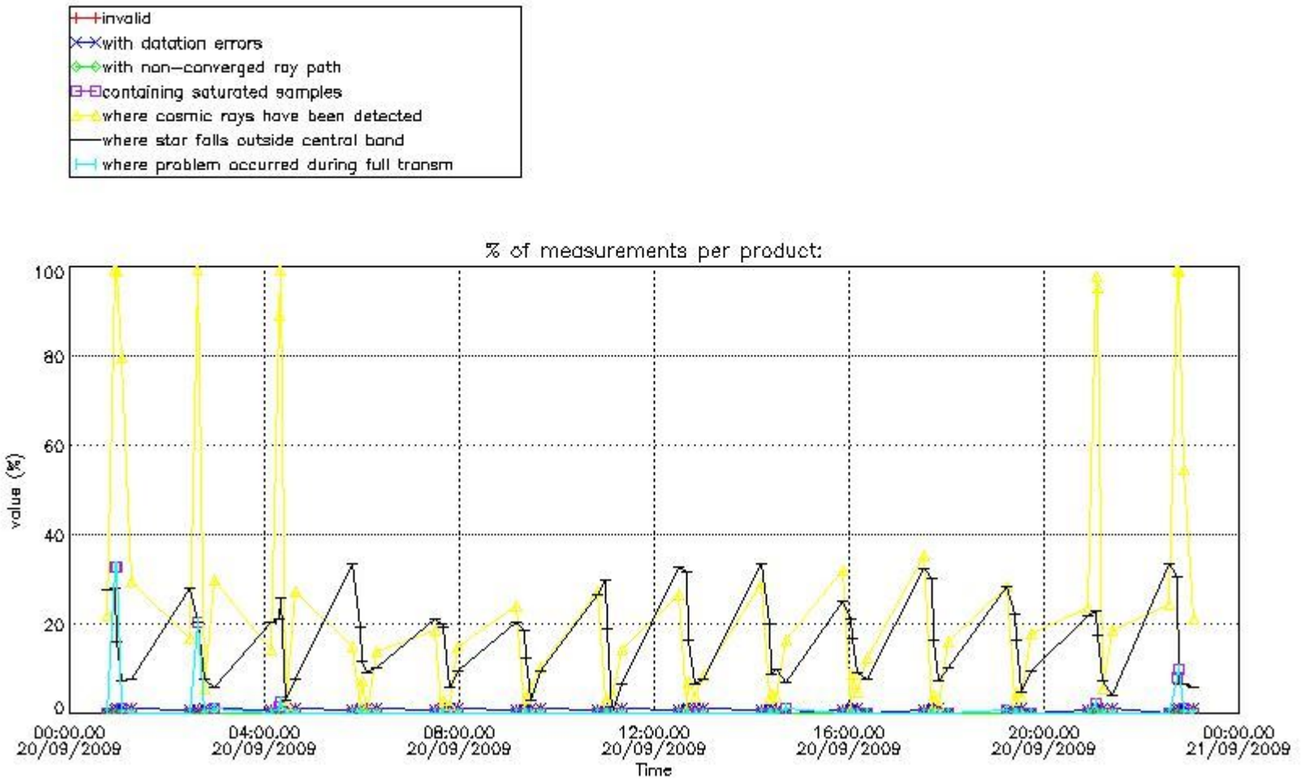


4. Level 1 quality information per product

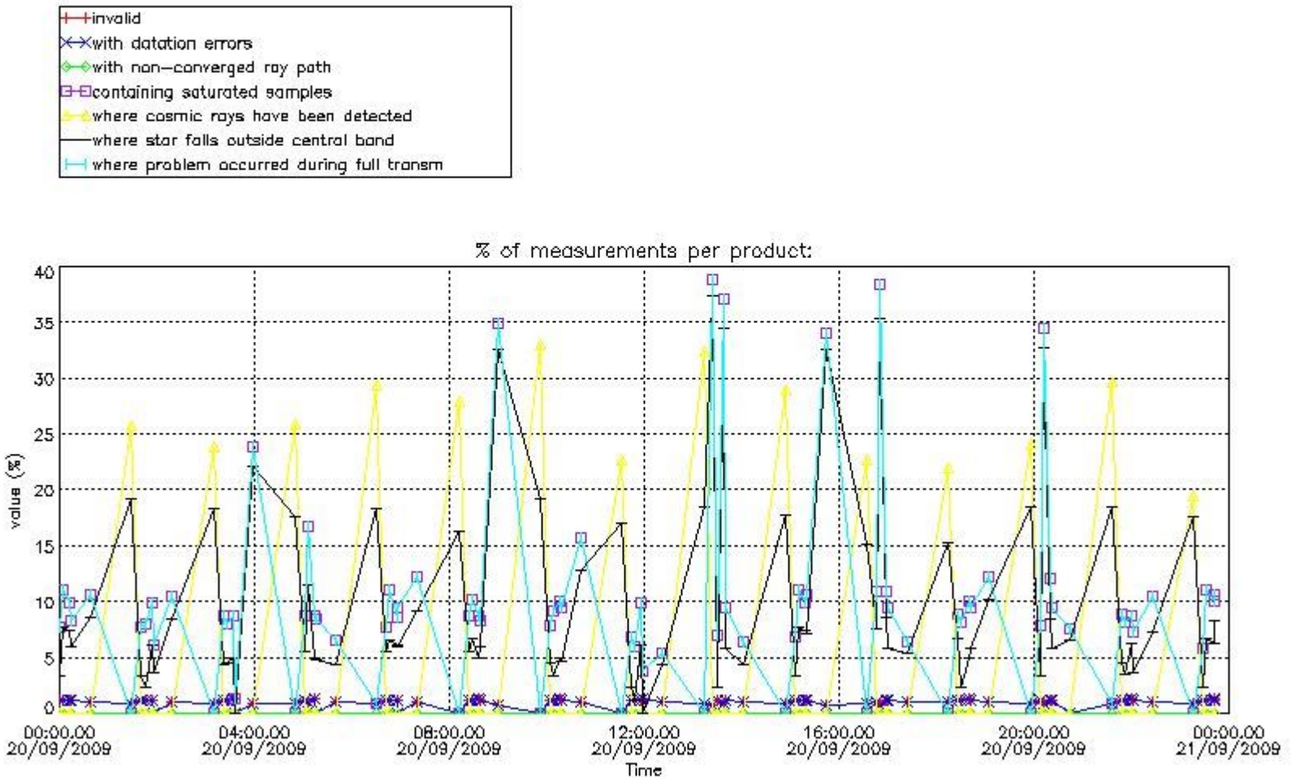
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processsing. Products without errors (error flag in the MPH set to "0") are used.

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

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

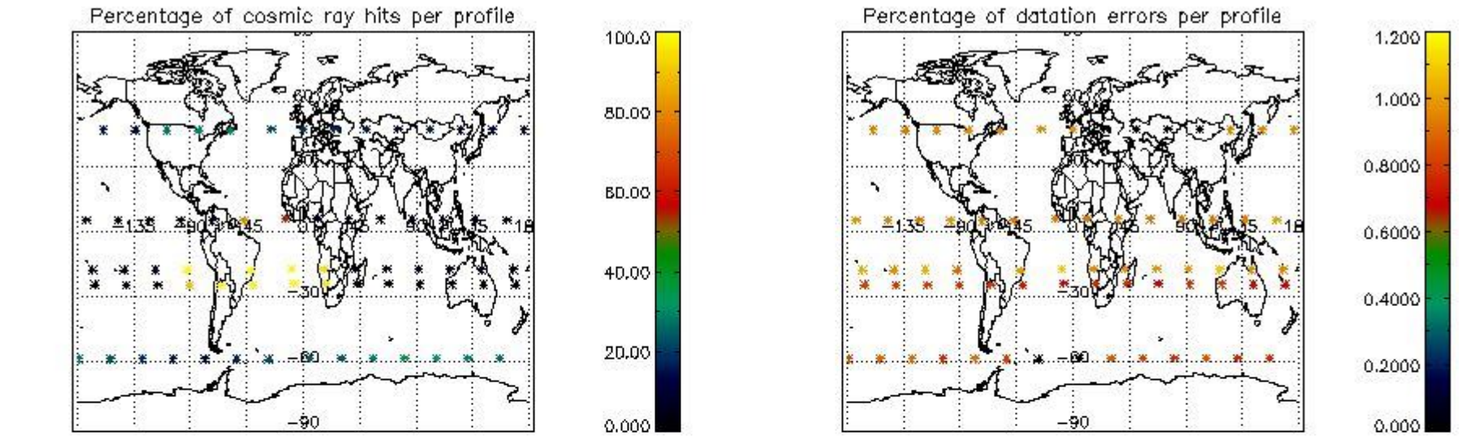


4.1.2 Plot level 1 quality information per product (time dependant): ENVISAT DESCENDING passes



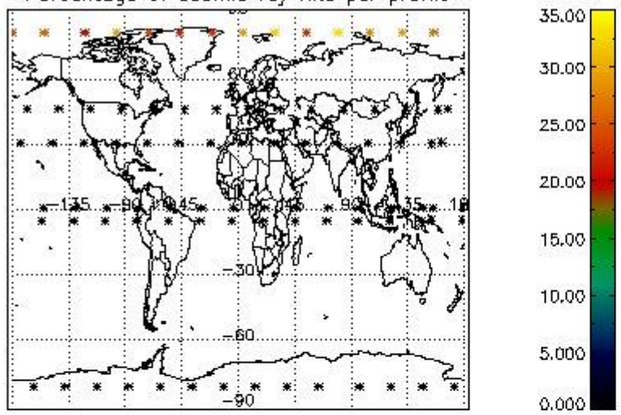
4.2 Plot quality information per product comming from level 1b processing (world map)

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

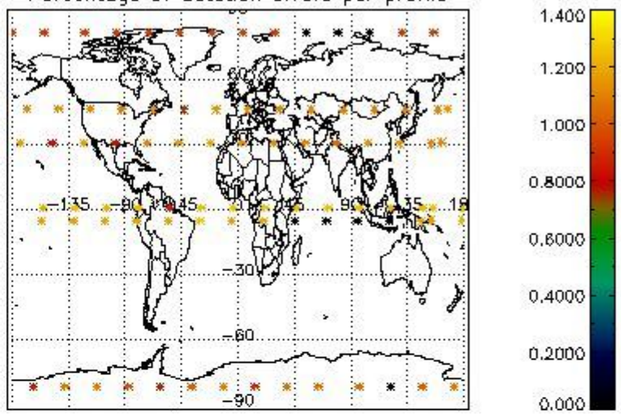


4.2.2 Plot level 1 quality information per product (world map): ENVISAT DESCENDING passes

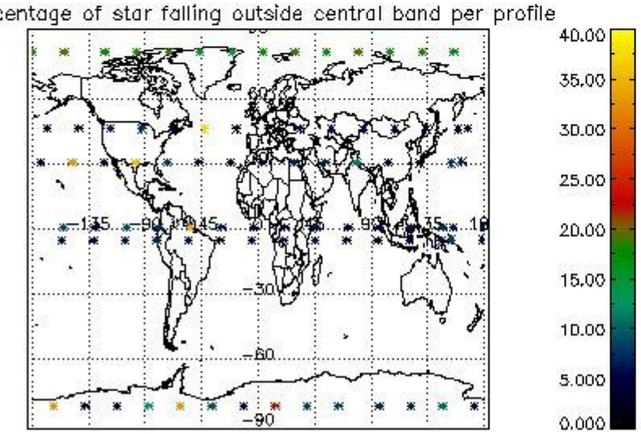
Percentage of cosmic ray hits per profile



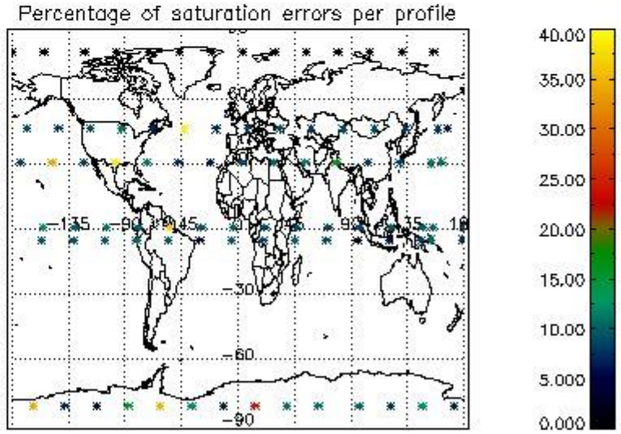
Percentage of datation errors per profile



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

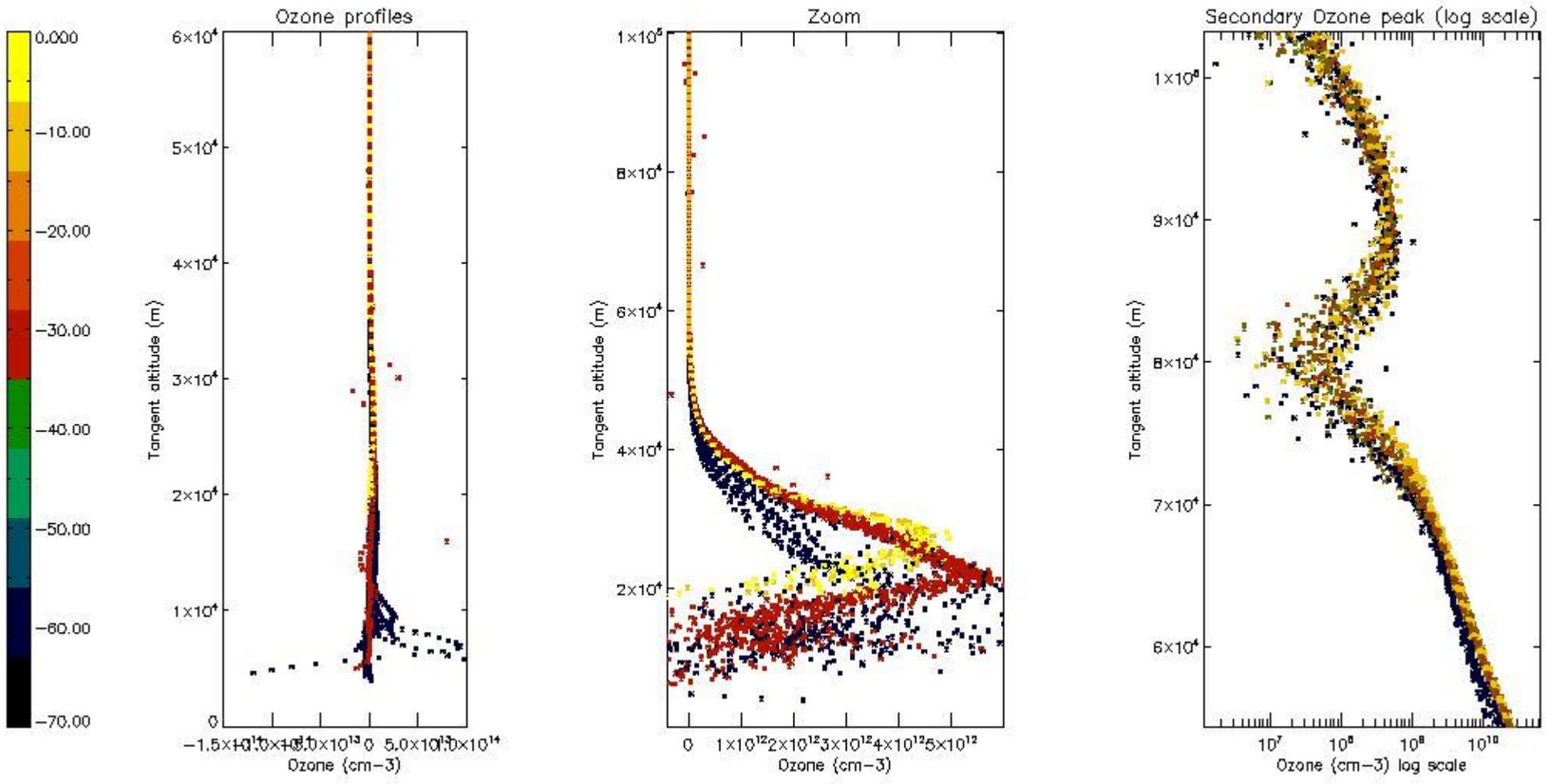
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	41
STD < 20	28

STD < 10	24
STD < 5	20

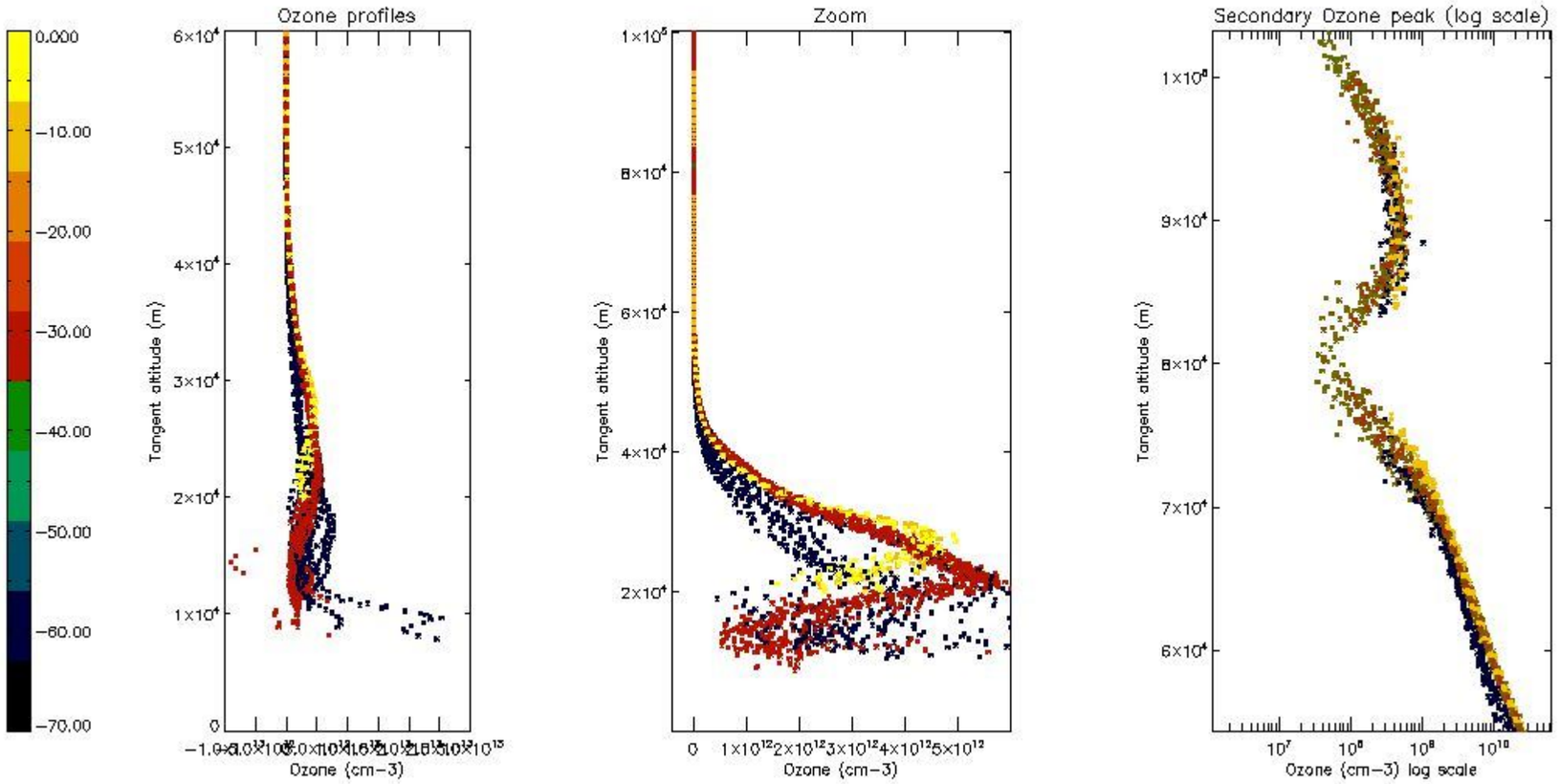
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



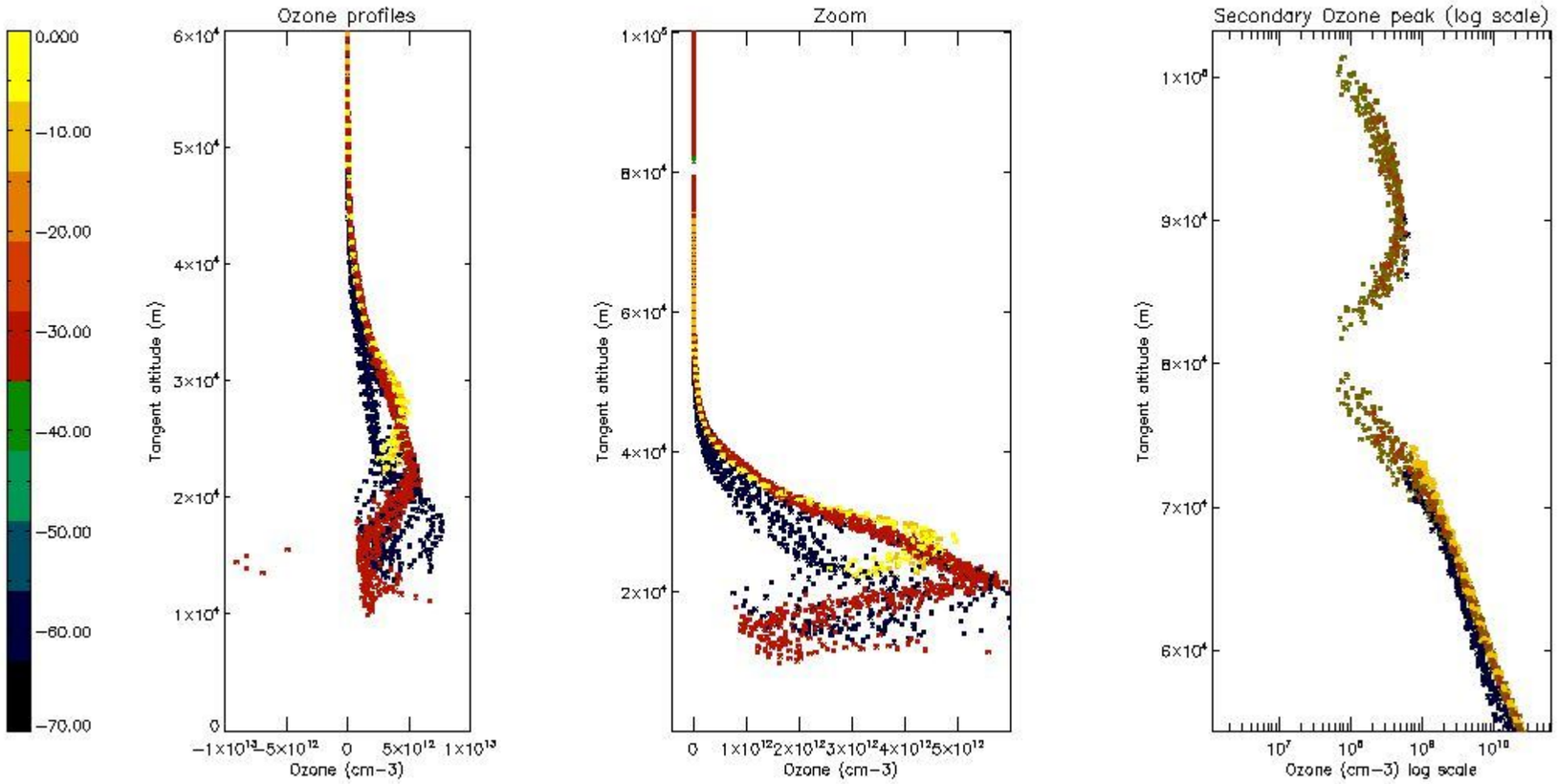
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



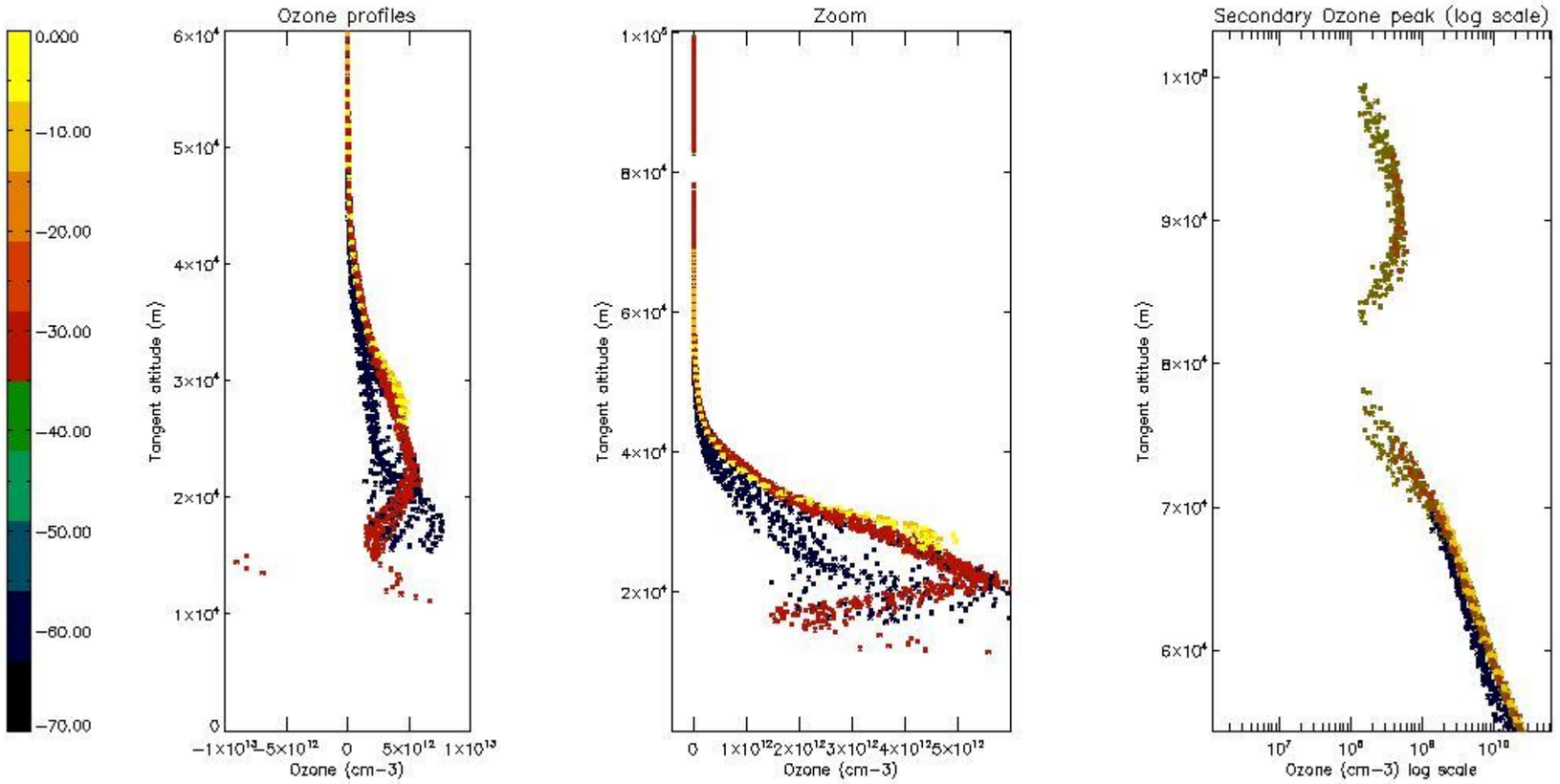
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



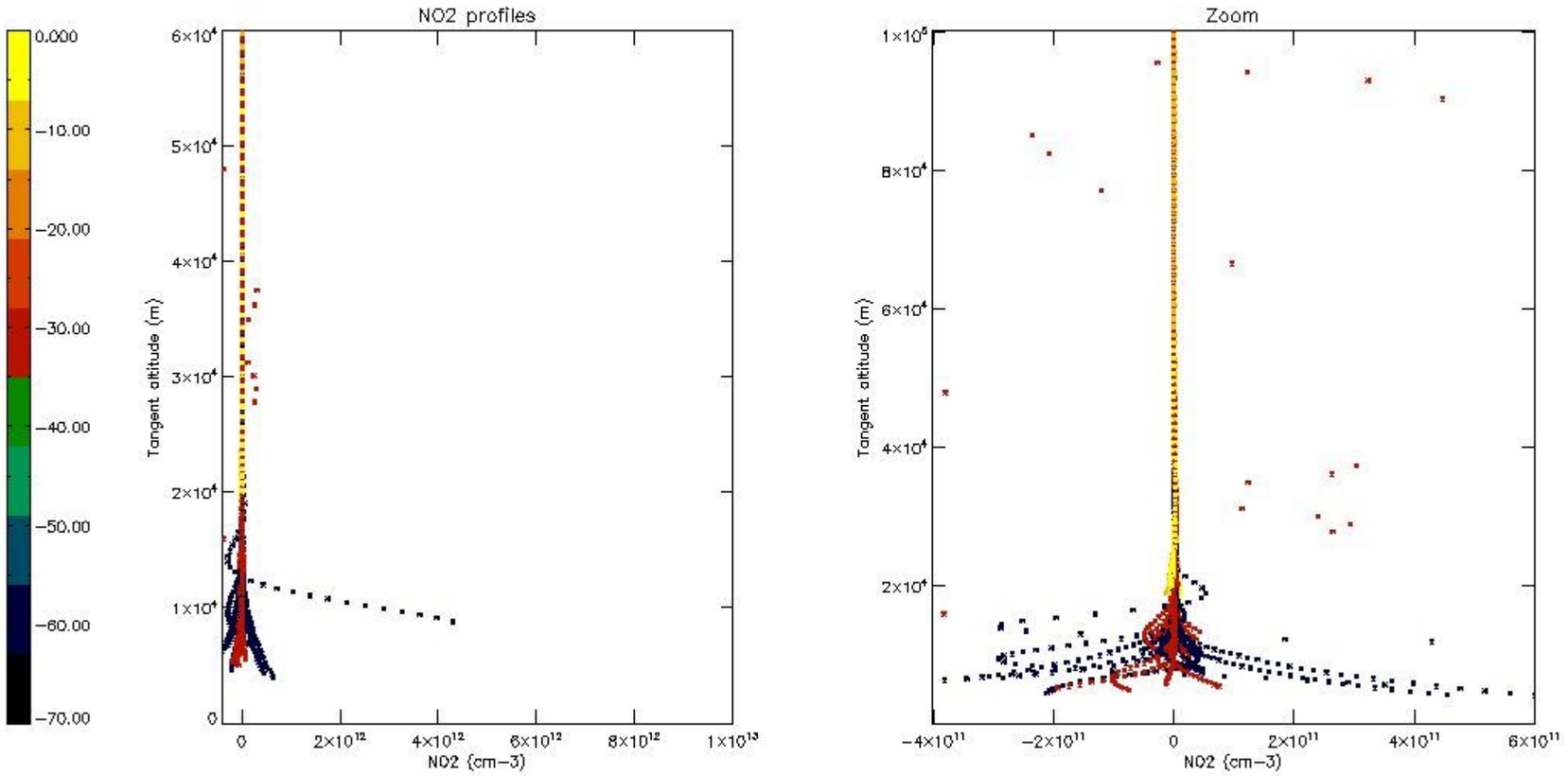
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



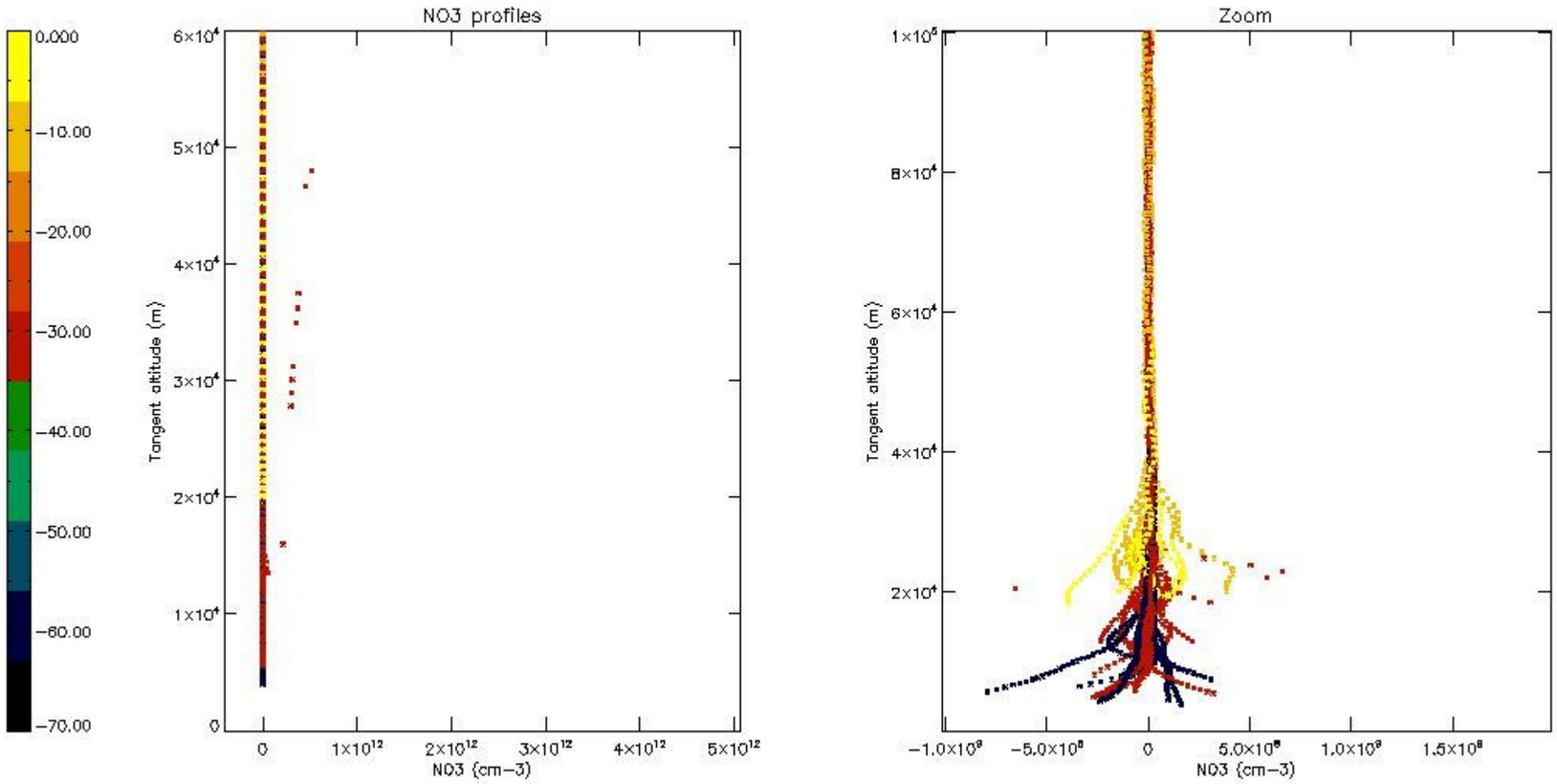
5.6 Plot NO2 profiles for all STD (dark without errors)

The colorbar represents the latitude.



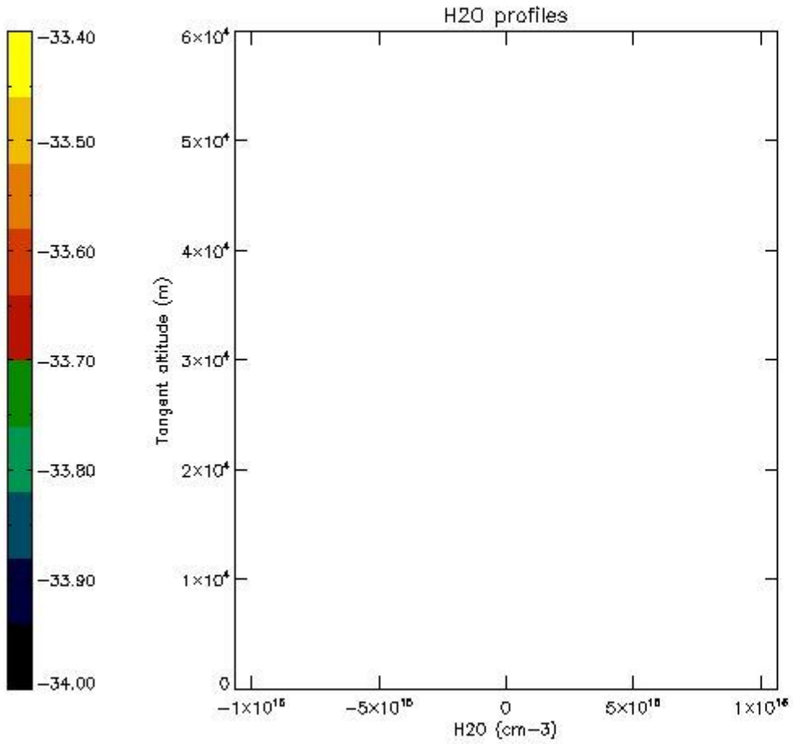
5.7 Plot NO3 profiles for all STD (dark without errors)

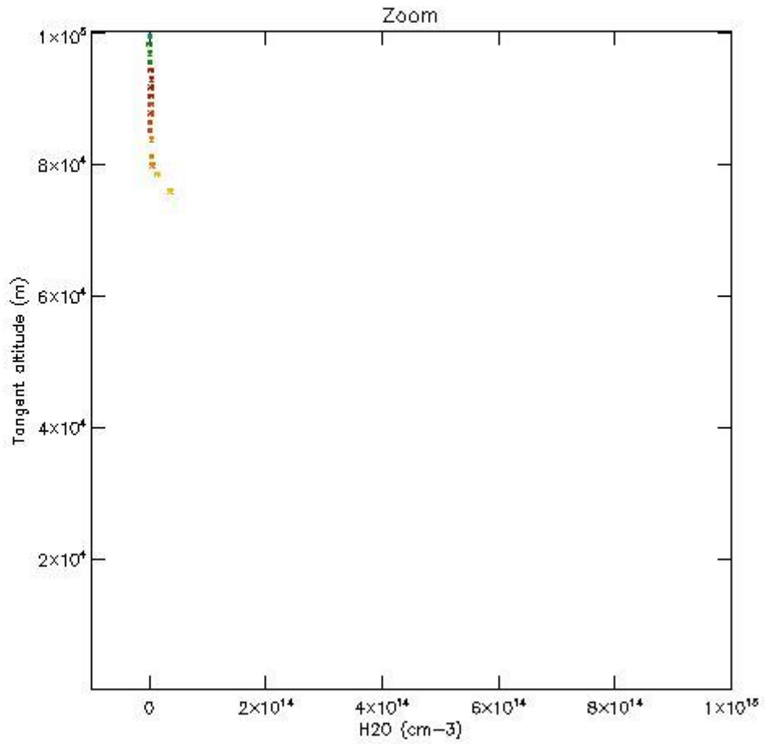
The colorbar represents the latitude.



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

The colorbar represents the latitude.





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

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

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	20-SEP-2009 00:00:05
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	20-SEP-2009 00:00:05
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	20-SEP-2009 00:00:05

GOMOS Level 2 Daily Report

SUMMARY

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1. General info

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 12:52:43
Data source version	GOMOS/6.01
Start time of products	20-09-2009 (20SEP2009 00:00:00)
Stop time of products	21-09-2009 (21SEP2009 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	157
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__2PRFIN20090920_000005_000000452082_00374_39506_7904.N1	20-SEP-2009 00:00:05	Bright	45.000	140	88Gam Peg	2.8340	26000.	90	39506	No
2	GOM_NL__2PRFIN20090920_000428_000000462082_00374_39506_7905.N1	20-SEP-2009 00:04:28	Bright	45.500	58	21Alp And	2.0730	11000.	91	39506	No
3	GOM_NL__2PRFIN20090920_001250_000000412082_00374_39506_7906.N1	20-SEP-2009 00:12:50	Bright	40.500	74	11Bet Cas	2.2680	6600.0	81	39506	No
4	GOM_NL__2PRFIN20090920_001431_000000422082_00374_39506_7907.N1	20-SEP-2009 00:14:31	Bright	42.000	76	27Gam Cas	2.3000	30000.	84	39506	No
5	GOM_NL__2PRFIN20090920_003737_000000472082_00374_39506_7908.N1	20-SEP-2009 00:37:37	Bright	47.000	24	66Alp Gem	1.5800	10200.	94	39506	No
6	GOM_NL__2PRFIN20090920_004643_000000622082_00374_39506_7909.N1	20-SEP-2009 00:46:43	Dark	61.500	8	10Alp CMi	0.40000	6500.0	123	39506	No
7	GOM_NL__2PRFIN20090920_005624_000000702082_00374_39506_7910.N1	20-SEP-2009 00:56:24	Dark	70.000	1	9Alp CMa	-1.4400	11000.	140	39506	No
8	GOM_NL__2PRFIN20090920_005821_000000512082_00374_39506_7911.N1	20-SEP-2009 00:58:21	Dark	50.500	23	21Eps CMa	1.5020	26000.	101	39506	No
9	GOM_NL__2PRFIN20090920_010443_000000542082_00375_39507_7937.N1	20-SEP-2009 01:04:43	Dark	54.000	108	Alp Col	2.6520	15200.	108	39507	No
10	GOM_NL__2PRFIN20090920_011627_000000532082_00375_39507_7938.N1	20-SEP-2009 01:16:27	Straylight	52.500	157	The1Eri	2.9060	9300.0	105	39507	No
11	GOM_NL__2PRFIN20090920_012859_000000552082_00375_39507_7939.N1	20-SEP-2009 01:28:59	Twi_and_stray	54.500	52	16Bet Cet	2.0370	4500.0	109	39507	No
12	GOM_NL__2PRFIN20090920_014041_000000452082_00375_39507_7940.N1	20-SEP-2009 01:40:41	Bright	45.000	140	88Gam Peg	2.8340	26000.	90	39507	No
13	GOM_NL__2PRFIN20090920_014503_000000442082_00375_39507_7941.N1	20-SEP-2009 01:45:03	Bright	43.500	58	21Alp And	2.0730	11000.	87	39507	No
14	GOM_NL__2PRFIN20090920_015325_000000412082_00375_39507_7942.N1	20-SEP-2009 01:53:25	Bright	40.500	74	11Bet Cas	2.2680	6600.0	81	39507	No
15	GOM_NL__2PRFIN20090920_015506_000000412082_00375_39507_7943.N1	20-SEP-2009 01:55:06	Bright	41.000	76	27Gam Cas	2.3000	30000.	82	39507	No
16	GOM_NL__2PRFIN20090920_021812_000000482082_00375_39507_7944.N1	20-SEP-2009 02:18:12	Bright	47.500	24	66Alp Gem	1.5800	10200.	95	39507	No
17	GOM_NL__2PRFIN20090920_022720_000000632082_00375_39507_7945.N1	20-SEP-2009 02:27:20	Dark	62.500	8	10Alp CMi	0.40000	6500.0	125	39507	No
18	GOM_NL__2PRFIN20090920_023701_000000642082_00375_39507_7946.N1	20-SEP-2009 02:37:01	Dark	63.500	1	9Alp CMa	-1.4400	11000.	127	39507	No
19	GOM_NL__2PRFIN20090920_024521_000000542082_00376_39508_7945.N1	20-SEP-2009 02:45:21	Dark	53.500	108	Alp Col	2.6520	15200.	107	39508	No
20	GOM_NL__2PRFIN20090920_025704_000000522082_00376_39508_7946.N1	20-SEP-2009 02:57:04	Straylight	52.000	157	The1Eri	2.9060	9300.0	104	39508	No
21	GOM_NL__2PRFIN20090920_030935_000000552082_00376_39508_7947.N1	20-SEP-2009 03:09:35	Twi_and_stray	54.500	52	16Bet Cet	2.0370	4500.0	109	39508	No
22	GOM_NL__2PRFIN20090920_032116_000000462082_00376_39508_7948.N1	20-SEP-2009 03:21:16	Bright	45.500	140	88Gam Peg	2.8340	26000.	91	39508	No
23	GOM_NL__2PRFIN20090920_032538_000000442082_00376_39508_7949.N1	20-SEP-2009 03:25:38	Bright	44.000	58	21Alp And	2.0730	11000.	88	39508	No
24	GOM_NL__2PRFIN20090920_033401_000000402082_00376_39508_7950.N1	20-SEP-2009 03:34:01	Bright	40.000	74	11Bet Cas	2.2680	6600.0	80	39508	No
25	GOM_NL__2PRFIN20090920_033541_000000392082_00376_39508_7951.N1	20-SEP-2009 03:35:41	Bright	38.500	76	27Gam Cas	2.3000	30000.	77	39508	No
26	GOM_NL__2PRFIN20090920_035849_000000572082_00376_39508_7952.N1	20-SEP-2009 03:58:49	Bright	56.500	24	66Alp Gem	1.5800	10200.	113	39508	No
27	GOM_NL__2PRFIN20090920_040756_000000562082_00376_39508_7953.N1	20-SEP-2009 04:07:56	Dark	56.000	8	10Alp CMi	0.40000	6500.0	112	39508	No
28	GOM_NL__2PRFIN20090920_041738_000000642082_00376_39508_7954.N1	20-SEP-2009 04:17:38	Dark	64.000	1	9Alp CMa	-1.4400	11000.	128	39508	No
29	GOM_NL__2PRFIN20090920_041935_000000572082_00376_39508_7955.N1	20-SEP-2009 04:19:35	Dark	56.500	23	21Eps CMa	1.5020	26000.	113	39508	No
30	GOM_NL__2PRFIN20090920_042558_000000522082_00377_39509_7953.N1	20-SEP-2009 04:25:58	Dark	51.500	108	Alp Col	2.6520	15200.	103	39509	No
31	GOM_NL__2PRFIN20090920_043741_000000532082_00377_39509_7954.N1	20-SEP-2009 04:37:41	Straylight	53.000	157	The1Eri	2.9060	9300.0	106	39509	No
32	GOM_NL__2PRFIN20090920_045011_000000542082_00377_39509_7955.N1	20-SEP-2009 04:50:11	Twi_and_stray	54.000	52	16Bet Cet	2.0370	4500.0	108	39509	No
33	GOM_NL__2PRFIN20090920_050152_000000462082_00377_39509_7956.N1	20-SEP-2009 05:01:52	Bright	45.500	140	88Gam Peg	2.8340	26000.	91	39509	No
34	GOM_NL__2PRFIN20090920_050614_000000482082_00377_39509_7957.N1	20-SEP-2009 05:06:14	Bright	48.000	58	21Alp And	2.0730	11000.	96	39509	No
35	GOM_NL__2PRFIN20090920_051436_000000402082_00377_39509_7958.N1	20-SEP-2009 05:14:36	Bright	40.000	74	11Bet Cas	2.2680	6600.0	80	39509	No
36	GOM_NL__2PRFIN20090920_051617_000000422082_00377_39509_7959.N1	20-SEP-2009 05:16:17	Bright	41.500	76	27Gam Cas	2.3000	30000.	83	39509	No
37	GOM_NL__2PRFIN20090920_053925_000000462082_00377_39509_7960.N1	20-SEP-2009 05:39:25	Bright	46.000	24	66Alp Gem	1.5800	10200.	92	39509	No
38	GOM_NL__2PRFIN20090920_054833_000000672082_00377_39509_7961.N1	20-SEP-2009 05:48:33	Dark	67.000	8	10Alp CMi	0.40000	6500.0	134	39509	No
39	GOM_NL__2PRFIN20090920_055815_000000622082_00377_39509_7962.N1	20-SEP-2009 05:58:15	Dark	62.000	1	9Alp CMa	-1.4400	11000.	124	39509	No
40	GOM_NL__2PRFIN20090920_060012_000000482082_00377_39509_7963.N1	20-SEP-2009 06:00:12	Dark	48.000	23	21Eps CMa	1.5020	26000.	96	39509	No
41	GOM_NL__2PRFIN20090920_060635_000000552082_00378_39510_7980.N1	20-SEP-2009 06:06:35	Dark	55.000	108	Alp Col	2.6520	15200.	110	39510	No
42	GOM_NL__2PRFIN20090920_061818_000000552082_00378_39510_7981.N1	20-SEP-2009 06:18:18	Straylight	54.500	157	The1Eri	2.9060	9300.0	109	39510	No

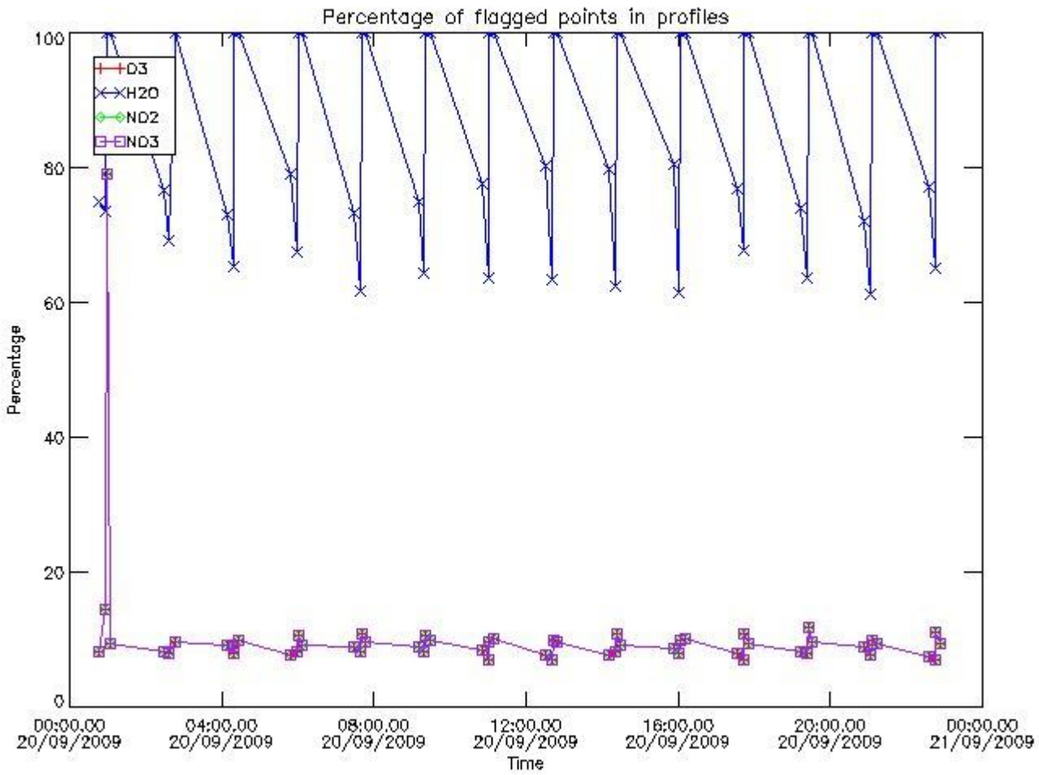
43	GOM_NL__2PRFIN20090920_063047_000000552082_00378_39510_7982.N1	20-SEP-2009 06:30:47	Twi_and_stray	54.500	52	16Bet Cet	2.0370	4500.0	109	39510	No
44	GOM_NL__2PRFIN20090920_064227_000000452082_00378_39510_7983.N1	20-SEP-2009 06:42:27	Bright	45.000	140	88Gam Peg	2.8340	26000.	90	39510	No
45	GOM_NL__2PRFIN20090920_064649_000000462082_00378_39510_7984.N1	20-SEP-2009 06:46:49	Bright	45.500	58	21Alp And	2.0730	11000.	91	39510	No
46	GOM_NL__2PRFIN20090920_065512_000000412082_00378_39510_7985.N1	20-SEP-2009 06:55:12	Bright	40.500	74	11Bet Cas	2.2680	6600.0	81	39510	No
47	GOM_NL__2PRFIN20090920_065653_000000422082_00378_39510_7986.N1	20-SEP-2009 06:56:53	Bright	42.000	76	27Gam Cas	2.3000	30000.	84	39510	No
48	GOM_NL__2PRFIN20090920_072001_000000492082_00378_39510_7987.N1	20-SEP-2009 07:20:01	Bright	49.000	24	66Alp Gem	1.5800	10200.	98	39510	No
49	GOM_NL__2PRFIN20090920_072910_000000572082_00378_39510_7988.N1	20-SEP-2009 07:29:10	Dark	56.500	8	10Alp CMi	0.40000	6500.0	113	39510	No
50	GOM_NL__2PRFIN20090920_073853_000000632082_00378_39510_7989.N1	20-SEP-2009 07:38:53	Dark	63.000	1	9Alp CMa	-1.4400	11000.	126	39510	No
51	GOM_NL__2PRFIN20090920_074049_000000522082_00378_39510_7990.N1	20-SEP-2009 07:40:49	Dark	52.000	23	21Eps CMa	1.5020	26000.	104	39510	No
52	GOM_NL__2PRFIN20090920_074713_000000532082_00379_39511_7994.N1	20-SEP-2009 07:47:13	Dark	53.000	108	Alp Col	2.6520	15200.	106	39511	No
53	GOM_NL__2PRFIN20090920_075855_000000542082_00379_39511_7995.N1	20-SEP-2009 07:58:55	Straylight	53.500	157	The1Eri	2.9060	9300.0	107	39511	No
54	GOM_NL__2PRFIN20090920_081123_000000522082_00379_39511_7996.N1	20-SEP-2009 08:11:23	Twi_and_stray	52.000	52	16Bet Cet	2.0370	4500.0	104	39511	No
55	GOM_NL__2PRFIN20090920_082302_000000462082_00379_39511_7997.N1	20-SEP-2009 08:23:02	Bright	45.500	140	88Gam Peg	2.8340	26000.	91	39511	No
56	GOM_NL__2PRFIN20090920_082725_000000452082_00379_39511_7998.N1	20-SEP-2009 08:27:25	Bright	44.500	58	21Alp And	2.0730	11000.	89	39511	No
57	GOM_NL__2PRFIN20090920_083547_000000402082_00379_39511_7999.N1	20-SEP-2009 08:35:47	Bright	40.000	74	11Bet Cas	2.2680	6600.0	80	39511	No
58	GOM_NL__2PRFIN20090920_083728_000000422082_00379_39511_8000.N1	20-SEP-2009 08:37:28	Bright	42.000	76	27Gam Cas	2.3000	30000.	84	39511	No
59	GOM_NL__2PRFIN20090920_090037_000000662082_00379_39511_8001.N1	20-SEP-2009 09:00:37	Bright	66.000	24	66Alp Gem	1.5800	10200.	132	39511	No
60	GOM_NL__2PRFIN20090920_090946_000000572082_00379_39511_8002.N1	20-SEP-2009 09:09:46	Dark	56.500	8	10Alp CMi	0.40000	6500.0	113	39511	No
61	GOM_NL__2PRFIN20090920_091930_000000622082_00379_39511_8003.N1	20-SEP-2009 09:19:30	Dark	62.000	1	9Alp CMa	-1.4400	11000.	124	39511	No
62	GOM_NL__2PRFIN20090920_092126_000000492082_00379_39511_8004.N1	20-SEP-2009 09:21:26	Dark	48.500	23	21Eps CMa	1.5020	26000.	97	39511	No
63	GOM_NL__2PRFIN20090920_092750_000000522082_00380_39512_8008.N1	20-SEP-2009 09:27:50	Dark	51.500	108	Alp Col	2.6520	15200.	103	39512	No
64	GOM_NL__2PRFIN20090920_093932_000000542082_00380_39512_8009.N1	20-SEP-2009 09:39:32	Straylight	53.500	157	The1Eri	2.9060	9300.0	107	39512	No
65	GOM_NL__2PRFIN20090920_095159_000000552082_00380_39512_8010.N1	20-SEP-2009 09:51:59	Twi_and_stray	54.500	52	16Bet Cet	2.0370	4500.0	109	39512	No
66	GOM_NL__2PRFIN20090920_100338_000000452082_00380_39512_8011.N1	20-SEP-2009 10:03:38	Bright	44.500	140	88Gam Peg	2.8340	26000.	89	39512	No
67	GOM_NL__2PRFIN20090920_100800_000000442082_00380_39512_8012.N1	20-SEP-2009 10:08:00	Bright	44.000	58	21Alp And	2.0730	11000.	88	39512	No
68	GOM_NL__2PRFIN20090920_101623_000000402082_00380_39512_8013.N1	20-SEP-2009 10:16:23	Bright	40.000	74	11Bet Cas	2.2680	6600.0	80	39512	No
69	GOM_NL__2PRFIN20090920_101803_000000432082_00380_39512_8014.N1	20-SEP-2009 10:18:03	Bright	42.500	76	27Gam Cas	2.3000	30000.	85	39512	No
70	GOM_NL__2PRFIN20090920_104113_000000512082_00380_39512_8015.N1	20-SEP-2009 10:41:13	Bright	51.000	24	66Alp Gem	1.5800	10200.	102	39512	No
71	GOM_NL__2PRFIN20090920_105023_000000612082_00380_39512_8016.N1	20-SEP-2009 10:50:23	Dark	60.500	8	10Alp CMi	0.40000	6500.0	121	39512	No
72	GOM_NL__2PRFIN20090920_110007_000000722082_00380_39512_8017.N1	20-SEP-2009 11:00:07	Dark	72.000	1	9Alp CMa	-1.4400	11000.	144	39512	No
73	GOM_NL__2PRFIN20090920_110203_000000532082_00380_39512_8018.N1	20-SEP-2009 11:02:03	Dark	52.500	23	21Eps CMa	1.5020	26000.	105	39512	No
74	GOM_NL__2PRFIN20090920_110827_000000502082_00381_39513_8022.N1	20-SEP-2009 11:08:27	Dark	50.000	108	Alp Col	2.6520	15200.	100	39513	No
75	GOM_NL__2PRFIN20090920_112009_000000532082_00381_39513_8023.N1	20-SEP-2009 11:20:09	Straylight	52.500	157	The1Eri	2.9060	9300.0	105	39513	No
76	GOM_NL__2PRFIN20090920_113235_000000532082_00381_39513_8024.N1	20-SEP-2009 11:32:35	Twi_and_stray	53.000	52	16Bet Cet	2.0370	4500.0	106	39513	No
77	GOM_NL__2PRFIN20090920_114413_000000442082_00381_39513_8025.N1	20-SEP-2009 11:44:13	Bright	44.000	140	88Gam Peg	2.8340	26000.	88	39513	No
78	GOM_NL__2PRFIN20090920_114835_000000422082_00381_39513_8026.N1	20-SEP-2009 11:48:35	Bright	42.000	58	21Alp And	2.0730	11000.	84	39513	No
79	GOM_NL__2PRFIN20090920_115658_000000412082_00381_39513_8027.N1	20-SEP-2009 11:56:58	Bright	40.500	74	11Bet Cas	2.2680	6600.0	81	39513	No
80	GOM_NL__2PRFIN20090920_115838_000000402082_00381_39513_8028.N1	20-SEP-2009 11:58:38	Bright	39.500	76	27Gam Cas	2.3000	30000.	79	39513	No
81	GOM_NL__2PRFIN20090920_122149_000000462082_00381_39513_8029.N1	20-SEP-2009 12:21:49	Bright	46.000	24	66Alp Gem	1.5800	10200.	92	39513	No
82	GOM_NL__2PRFIN20090920_123059_000000662082_00381_39513_8030.N1	20-SEP-2009 12:30:59	Dark	66.000	8	10Alp CMi	0.40000	6500.0	132	39513	No
83	GOM_NL__2PRFIN20090920_124044_000000742082_00381_39513_8031.N1	20-SEP-2009 12:40:44	Dark	74.000	1	9Alp CMa	-1.4400	11000.	148	39513	No
84	GOM_NL__2PRFIN20090920_124240_000000522082_00381_39513_8032.N1	20-SEP-2009 12:42:40	Dark	51.500	23	21Eps CMa	1.5020	26000.	103	39513	No
85	GOM_NL__2PRFIN20090920_124904_000000542082_00382_39514_8036.N1	20-SEP-2009 12:49:04	Dark	53.500	108	Alp Col	2.6520	15200.	107	39514	No
86	GOM_NL__2PRFIN20090920_130045_000000532082_00382_39514_8037.N1	20-SEP-2009 13:00:45	Straylight	53.000	157	The1Eri	2.9060	9300.0	106	39514	No
87	GOM_NL__2PRFIN20090920_131311_000000542082_00382_39514_8038.N1	20-SEP-2009 13:13:11	Twi_and_stray	54.000	52	16Bet Cet	2.0370	4500.0	108	39514	No
88	GOM_NL__2PRFIN20090920_132449_000000672082_00382_39514_8039.N1	20-SEP-2009 13:24:49	Bright	67.000	140	88Gam Peg	2.8340	26000.	134	39514	No
89	GOM_NL__2PRFIN20090920_132910_000000432082_00382_39514_8040.N1	20-SEP-2009 13:29:10	Bright	43.000	58	21Alp And	2.0730	11000.	86	39514	No
90	GOM_NL__2PRFIN20090920_133734_000000582082_00382_39514_8041.N1	20-SEP-2009 13:37:34	Bright	58.000	74	11Bet Cas	2.2680	6600.0	116	39514	No
91	GOM_NL__2PRFIN20090920_133914_000000432082_00382_39514_8042.N1	20-SEP-2009 13:39:14	Bright	42.500	76	27Gam Cas	2.3000	30000.	85	39514	No
92	GOM_NL__2PRFIN20090920_140225_000000472082_00382_39514_8043.N1	20-SEP-2009 14:02:25	Bright	46.500	24	66Alp Gem	1.5800	10200.	93	39514	No
93	GOM_NL__2PRFIN20090920_141136_000000672082_00382_39514_8044.N1	20-SEP-2009 14:11:36	Dark	67.000	8	10Alp CMi	0.40000	6500.0	134	39514	No
94	GOM_NL__2PRFIN20090920_142121_000000632082_00382_39514_8045.N1	20-SEP-2009 14:21:21	Dark	63.000	1	9Alp CMa	-1.4400	11000.	126	39514	No
95	GOM_NL__2PRFIN20090920_142316_000000472082_00382_39514_8046.N1	20-SEP-2009 14:23:16	Dark	46.500	23	21Eps CMa	1.5020	26000.	93	39514	No
96	GOM_NL__2PRFIN20090920_142941_000000562082_00383_39515_8050.N1	20-SEP-2009 14:29:41	Dark	55.500	108	Alp Col	2.6520	15200.	111	39515	No
97	GOM_NL__2PRFIN20090920_144122_000000522082_00383_39515_8051.N1	20-SEP-2009 14:41:22	Straylight	51.500	157	The1Eri	2.9060	9300.0	103	39515	No
98	GOM_NL__2PRFIN20090920_145347_000000542082_00383_39515_8052.N1	20-SEP-2009 14:53:47	Twi_and_stray	53.500	52	16Bet Cet	2.0370	4500.0	107	39515	No
99	GOM_NL__2PRFIN20090920_150524_000000442082_00383_39515_8053.N1	20-SEP-2009 15:05:24	Bright	44.000	140	88Gam Peg	2.8340	26000.	88	39515	No
100	GOM_NL__2PRFIN20090920_150946_000000452082_00383_39515_8054.N1	20-SEP-2009 15:09:46	Bright	45.000	58	21Alp And	2.0730	11000.	90	39515	No
101	GOM_NL__2PRFIN20090920_151810_000000412082_00383_39515_8055.N1	20-SEP-2009 15:18:10	Bright	40.500	74	11Bet Cas	2.2680	6600.0	81	39515	No

102	GOM_NL__2PRFIN20090920_151949_000000432082_00383_39515_8056.N1	20-SEP-2009 15:19:49	Bright	42.500	76	27Gam Cas	2.3000	30000.	85	39515	No
103	GOM_NL__2PRFIN20090920_154301_000000662082_00383_39515_8057.N1	20-SEP-2009 15:43:01	Bright	66.000	24	66Alp Gem	1.5800	10200.	132	39515	No
104	GOM_NL__2PRFIN20090920_155213_000000602082_00383_39515_8058.N1	20-SEP-2009 15:52:13	Dark	59.500	8	10Alp CMi	0.40000	6500.0	119	39515	No
105	GOM_NL__2PRFIN20090920_160158_000000642082_00383_39515_8059.N1	20-SEP-2009 16:01:58	Dark	64.000	1	9Alp CMa	-1.4400	11000.	128	39515	No
106	GOM_NL__2PRFIN20090920_160353_000000512082_00383_39515_8060.N1	20-SEP-2009 16:03:53	Dark	51.000	23	21Eps CMa	1.5020	26000.	102	39515	No
107	GOM_NL__2PRFIN20090920_161019_000000552082_00384_39516_8067.N1	20-SEP-2009 16:10:19	Dark	55.000	108	Alp Col	2.6520	15200.	110	39516	No
108	GOM_NL__2PRFIN20090920_162159_000000522082_00384_39516_8068.N1	20-SEP-2009 16:21:59	Straylight	52.000	157	The1Eri	2.9060	9300.0	104	39516	No
109	GOM_NL__2PRFIN20090920_163423_000000532082_00384_39516_8069.N1	20-SEP-2009 16:34:23	Twi_and_stray	53.000	52	16Bet Cet	2.0370	4500.0	106	39516	No
110	GOM_NL__2PRFIN20090920_164600_000000462082_00384_39516_8070.N1	20-SEP-2009 16:46:00	Bright	46.000	140	88Gam Peg	2.8340	26000.	92	39516	No
111	GOM_NL__2PRFIN20090920_165021_000000652082_00384_39516_8071.N1	20-SEP-2009 16:50:21	Bright	65.000	58	21Alp And	2.0730	11000.	130	39516	No
112	GOM_NL__2PRFIN20090920_165845_000000412082_00384_39516_8072.N1	20-SEP-2009 16:58:45	Bright	41.000	74	11Bet Cas	2.2680	6600.0	82	39516	No
113	GOM_NL__2PRFIN20090920_170025_000000432082_00384_39516_8073.N1	20-SEP-2009 17:00:25	Bright	42.500	76	27Gam Cas	2.3000	30000.	85	39516	No
114	GOM_NL__2PRFIN20090920_172337_000000472082_00384_39516_8074.N1	20-SEP-2009 17:23:37	Bright	46.500	24	66Alp Gem	1.5800	10200.	93	39516	No
115	GOM_NL__2PRFIN20090920_173249_000000652082_00384_39516_8075.N1	20-SEP-2009 17:32:49	Dark	65.000	8	10Alp CMi	0.40000	6500.0	130	39516	No
116	GOM_NL__2PRFIN20090920_174236_000000732082_00384_39516_8076.N1	20-SEP-2009 17:42:36	Dark	73.000	1	9Alp CMa	-1.4400	11000.	146	39516	No
117	GOM_NL__2PRFIN20090920_174430_000000522082_00384_39516_8077.N1	20-SEP-2009 17:44:30	Dark	51.500	23	21Eps CMa	1.5020	26000.	103	39516	No
118	GOM_NL__2PRFIN20090920_175056_000000552082_00385_39517_8105.N1	20-SEP-2009 17:50:56	Dark	54.500	108	Alp Col	2.6520	15200.	109	39517	No
119	GOM_NL__2PRFIN20090920_180236_000000542082_00385_39517_8106.N1	20-SEP-2009 18:02:36	Straylight	53.500	157	The1Eri	2.9060	9300.0	107	39517	No
120	GOM_NL__2PRFIN20090920_181459_000000532082_00385_39517_8107.N1	20-SEP-2009 18:14:59	Twi_and_stray	52.500	52	16Bet Cet	2.0370	4500.0	105	39517	No
121	GOM_NL__2PRFIN20090920_182635_000000452082_00385_39517_8108.N1	20-SEP-2009 18:26:35	Bright	45.000	140	88Gam Peg	2.8340	26000.	90	39517	No
122	GOM_NL__2PRFIN20090920_183057_000000432082_00385_39517_8109.N1	20-SEP-2009 18:30:57	Bright	43.000	58	21Alp And	2.0730	11000.	86	39517	No
123	GOM_NL__2PRFIN20090920_183921_000000402082_00385_39517_8110.N1	20-SEP-2009 18:39:21	Bright	40.000	74	11Bet Cas	2.2680	6600.0	80	39517	No
124	GOM_NL__2PRFIN20090920_184100_000000432082_00385_39517_8111.N1	20-SEP-2009 18:41:00	Bright	42.500	76	27Gam Cas	2.3000	30000.	85	39517	No
125	GOM_NL__2PRFIN20090920_190413_000000492082_00385_39517_8112.N1	20-SEP-2009 19:04:13	Bright	49.000	24	66Alp Gem	1.5800	10200.	98	39517	No
126	GOM_NL__2PRFIN20090920_191326_000000622082_00385_39517_8113.N1	20-SEP-2009 19:13:26	Dark	62.000	8	10Alp CMi	0.40000	6500.0	124	39517	No
127	GOM_NL__2PRFIN20090920_192313_000000652082_00385_39517_8114.N1	20-SEP-2009 19:23:13	Dark	65.000	1	9Alp CMa	-1.4400	11000.	130	39517	No
128	GOM_NL__2PRFIN20090920_192507_000000522082_00385_39517_8115.N1	20-SEP-2009 19:25:07	Dark	51.500	23	21Eps CMa	1.5020	26000.	103	39517	No
129	GOM_NL__2PRFIN20090920_193134_000000532082_00386_39518_8122.N1	20-SEP-2009 19:31:34	Dark	53.000	108	Alp Col	2.6520	15200.	106	39518	No
130	GOM_NL__2PRFIN20090920_194313_000000542082_00386_39518_8123.N1	20-SEP-2009 19:43:13	Straylight	53.500	157	The1Eri	2.9060	9300.0	107	39518	No
131	GOM_NL__2PRFIN20090920_195535_000000542082_00386_39518_8124.N1	20-SEP-2009 19:55:35	Twi_and_stray	54.000	52	16Bet Cet	2.0370	4500.0	108	39518	No
132	GOM_NL__2PRFIN20090920_200710_000000452082_00386_39518_8125.N1	20-SEP-2009 20:07:10	Bright	44.500	140	88Gam Peg	2.8340	26000.	89	39518	No
133	GOM_NL__2PRFIN20090920_201132_000000612082_00386_39518_8126.N1	20-SEP-2009 20:11:32	Bright	61.000	58	21Alp And	2.0730	11000.	122	39518	No
134	GOM_NL__2PRFIN20090920_201956_000000422082_00386_39518_8127.N1	20-SEP-2009 20:19:56	Bright	41.500	74	11Bet Cas	2.2680	6600.0	83	39518	No
135	GOM_NL__2PRFIN20090920_202135_000000432082_00386_39518_8128.N1	20-SEP-2009 20:21:35	Bright	42.500	76	27Gam Cas	2.3000	30000.	85	39518	No
136	GOM_NL__2PRFIN20090920_204449_000000462082_00386_39518_8129.N1	20-SEP-2009 20:44:49	Bright	46.000	24	66Alp Gem	1.5800	10200.	92	39518	No
137	GOM_NL__2PRFIN20090920_205402_000000582082_00386_39518_8130.N1	20-SEP-2009 20:54:02	Dark	57.500	8	10Alp CMi	0.40000	6500.0	115	39518	No
138	GOM_NL__2PRFIN20090920_210350_000000662082_00386_39518_8131.N1	20-SEP-2009 21:03:50	Dark	66.000	1	9Alp CMa	-1.4400	11000.	132	39518	No
139	GOM_NL__2PRFIN20090920_210544_000000522082_00386_39518_8132.N1	20-SEP-2009 21:05:44	Dark	52.000	23	21Eps CMa	1.5020	26000.	104	39518	No
140	GOM_NL__2PRFIN20090920_211211_000000552082_00387_39519_8139.N1	20-SEP-2009 21:12:11	Dark	54.500	108	Alp Col	2.6520	15200.	109	39519	No
141	GOM_NL__2PRFIN20090920_212349_000000512082_00387_39519_8140.N1	20-SEP-2009 21:23:49	Straylight	51.000	157	The1Eri	2.9060	9300.0	102	39519	No
142	GOM_NL__2PRFIN20090920_213611_000000542082_00387_39519_8141.N1	20-SEP-2009 21:36:11	Twi_and_stray	54.000	52	16Bet Cet	2.0370	4500.0	108	39519	No
143	GOM_NL__2PRFIN20090920_214746_000000452082_00387_39519_8142.N1	20-SEP-2009 21:47:46	Bright	45.000	140	88Gam Peg	2.8340	26000.	90	39519	No
144	GOM_NL__2PRFIN20090920_215207_000000432082_00387_39519_8143.N1	20-SEP-2009 21:52:07	Bright	43.000	58	21Alp And	2.0730	11000.	86	39519	No
145	GOM_NL__2PRFIN20090920_220032_000000402082_00387_39519_8144.N1	20-SEP-2009 22:00:32	Bright	40.000	74	11Bet Cas	2.2680	6600.0	80	39519	No
146	GOM_NL__2PRFIN20090920_220211_000000412082_00387_39519_8145.N1	20-SEP-2009 22:02:11	Bright	41.000	76	27Gam Cas	2.3000	30000.	82	39519	No
147	GOM_NL__2PRFIN20090920_222525_000000482082_00387_39519_8146.N1	20-SEP-2009 22:25:25	Bright	48.000	24	66Alp Gem	1.5800	10200.	96	39519	No
148	GOM_NL__2PRFIN20090920_223439_000000682082_00387_39519_8147.N1	20-SEP-2009 22:34:39	Dark	67.500	8	10Alp CMi	0.40000	6500.0	135	39519	No
149	GOM_NL__2PRFIN20090920_224427_000000742082_00387_39519_8148.N1	20-SEP-2009 22:44:27	Dark	73.500	1	9Alp CMa	-1.4400	11000.	147	39519	No
150	GOM_NL__2PRFIN20090920_224621_000000462082_00387_39519_8149.N1	20-SEP-2009 22:46:21	Dark	45.500	23	21Eps CMa	1.5020	26000.	91	39519	No
151	GOM_NL__2PRFIN20090920_225248_000000542082_00388_39520_8158.N1	20-SEP-2009 22:52:48	Dark	54.000	108	Alp Col	2.6520	15200.	108	39520	No
152	GOM_NL__2PRFIN20090920_230426_000000532082_00388_39520_8159.N1	20-SEP-2009 23:04:26	Straylight	52.500	157	The1Eri	2.9060	9300.0	105	39520	No
153	GOM_NL__2PRFIN20090920_231647_000000542082_00388_39520_8160.N1	20-SEP-2009 23:16:47	Twi_and_stray	54.000	52	16Bet Cet	2.0370	4500.0	108	39520	No
154	GOM_NL__2PRFIN20090920_232821_000000442082_00388_39520_8161.N1	20-SEP-2009 23:28:21	Bright	43.500	140	88Gam Peg	2.8340	26000.	87	39520	No
155	GOM_NL__2PRFIN20090920_233243_000000452082_00388_39520_8162.N1	20-SEP-2009 23:32:43	Bright	45.000	58	21Alp And	2.0730	11000.	90	39520	No
156	GOM_NL__2PRFIN20090920_234107_000000402082_00388_39520_8163.N1	20-SEP-2009 23:41:07	Bright	40.000	74	11Bet Cas	2.2680	6600.0	80	39520	No
157	GOM_NL__2PRFIN20090920_234246_000000432082_00388_39520_8164.N1	20-SEP-2009 23:42:46	Bright	42.500	76	27Gam Cas	2.3000	30000.	85	39520	No

3. Quality information per product

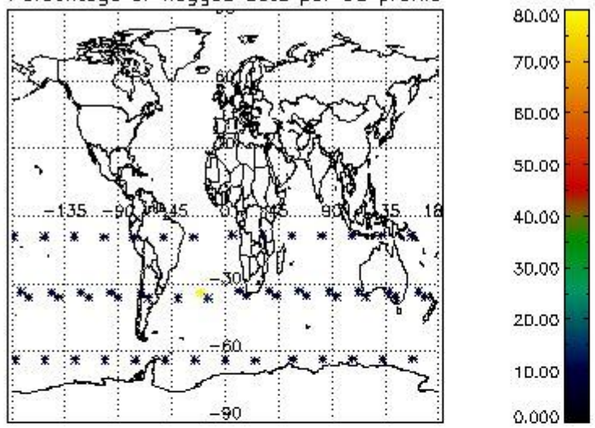
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

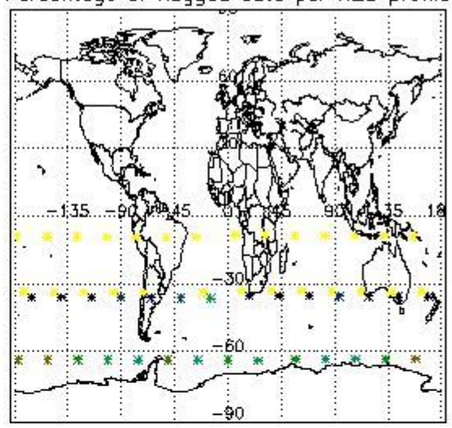


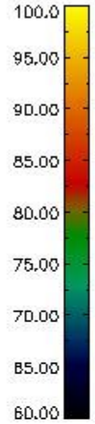
3.2 Plot quality information per product (world map)

Percentage of flagged data per O3 profile

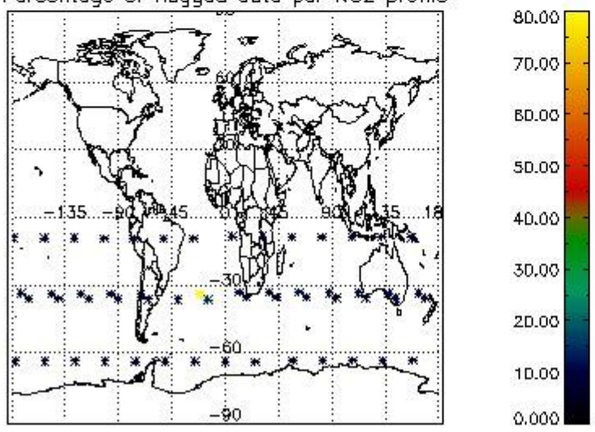


Percentage of flagged data per H2O profile

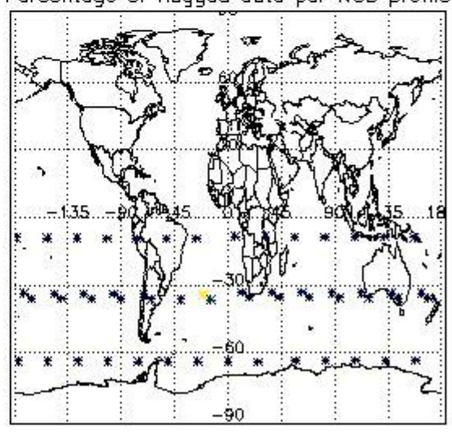


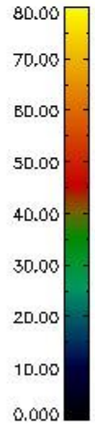


Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile



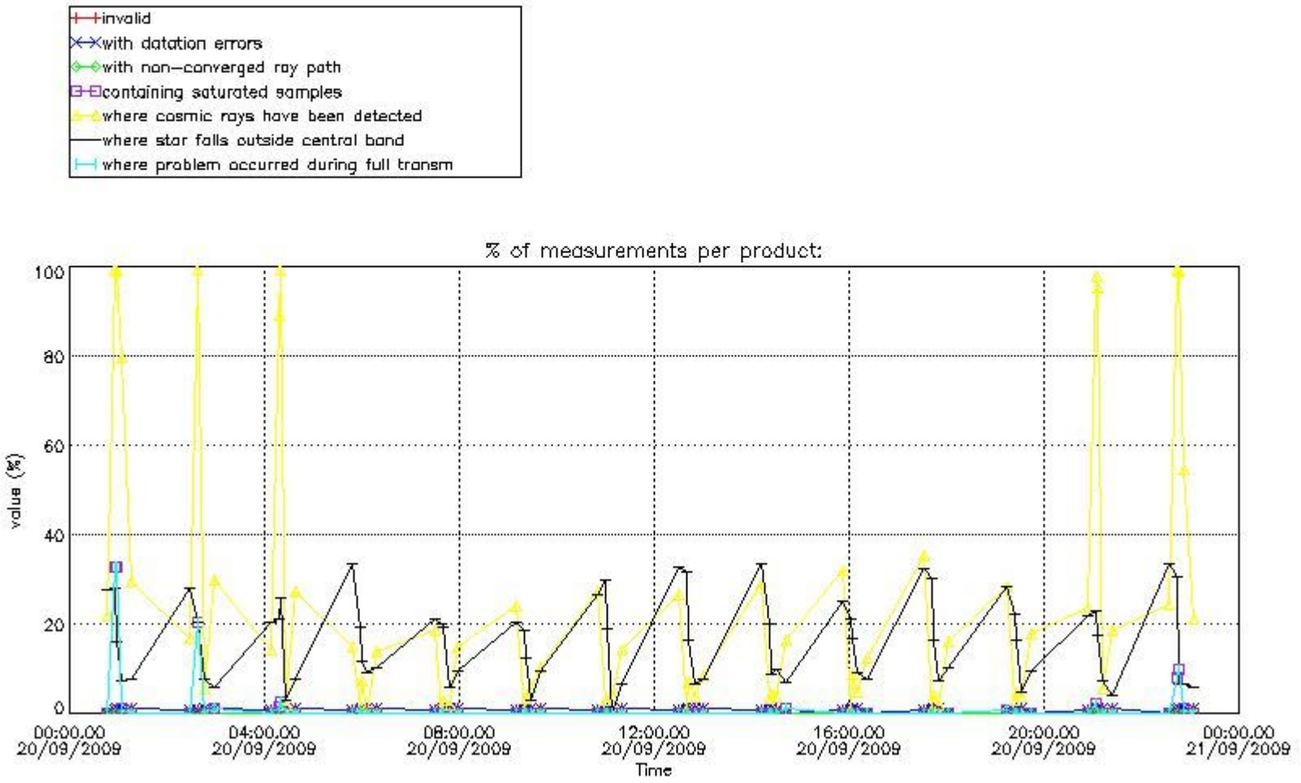


4. Level 1 quality information per product

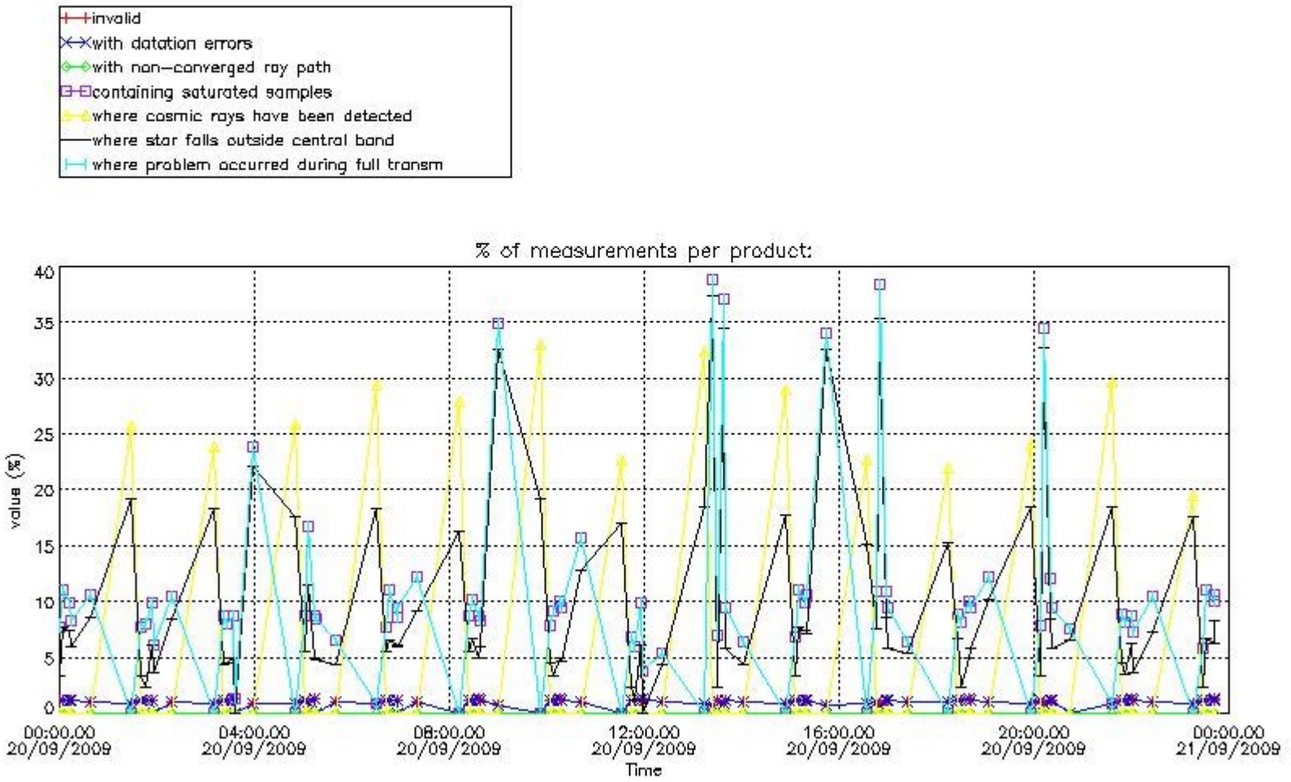
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processsing. Products without errors (error flag in the MPH set to "0") are used.

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

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

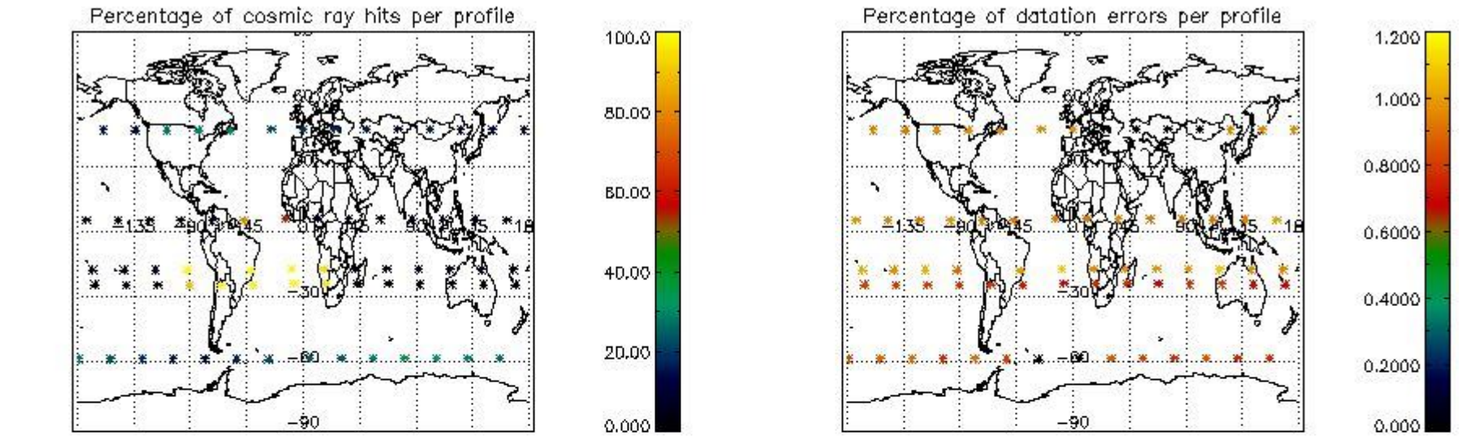


4.1.2 Plot level 1 quality information per product (time dependant): ENVISAT DESCENDING passes



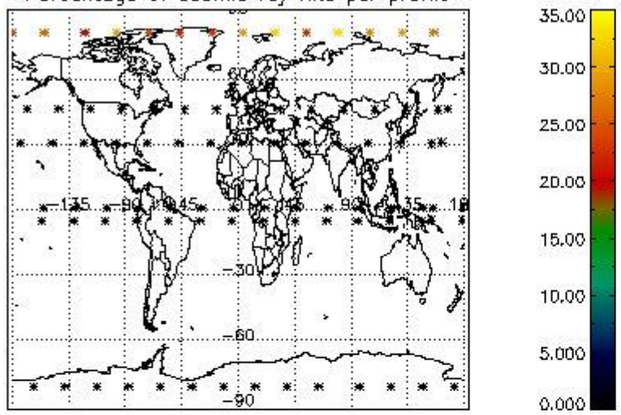
4.2 Plot quality information per product comming from level 1b processing (world map)

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

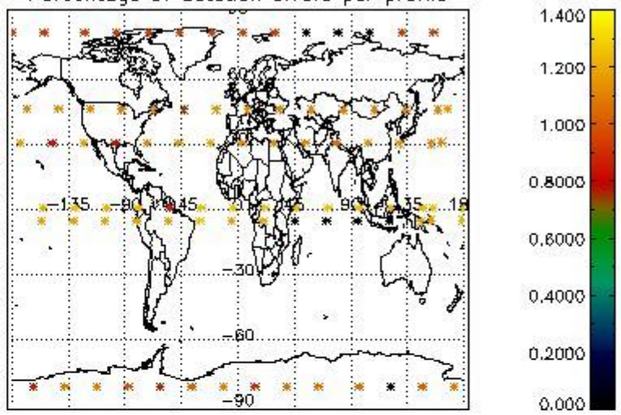


4.2.2 Plot level 1 quality information per product (world map): ENVISAT DESCENDING passes

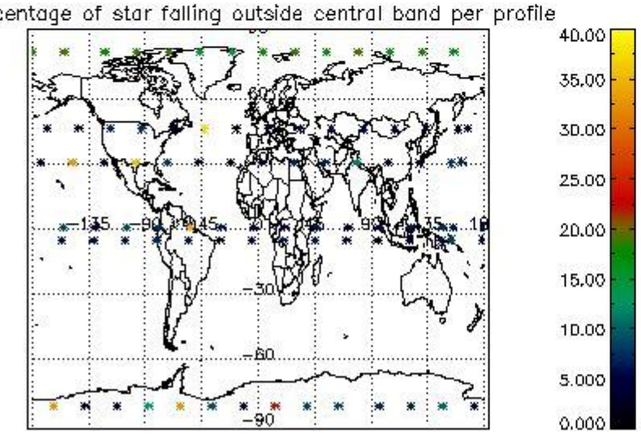
Percentage of cosmic ray hits per profile



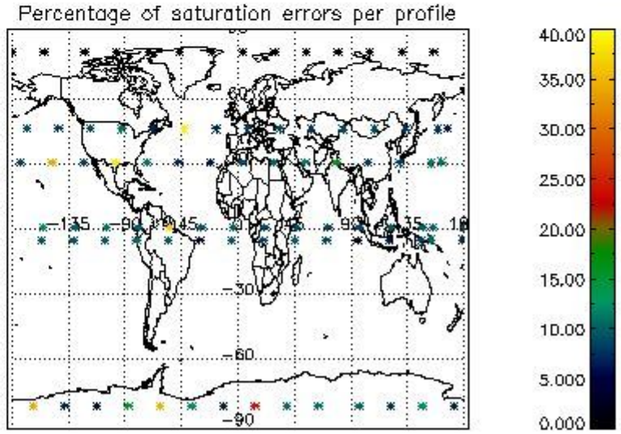
Percentage of datation errors per profile



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

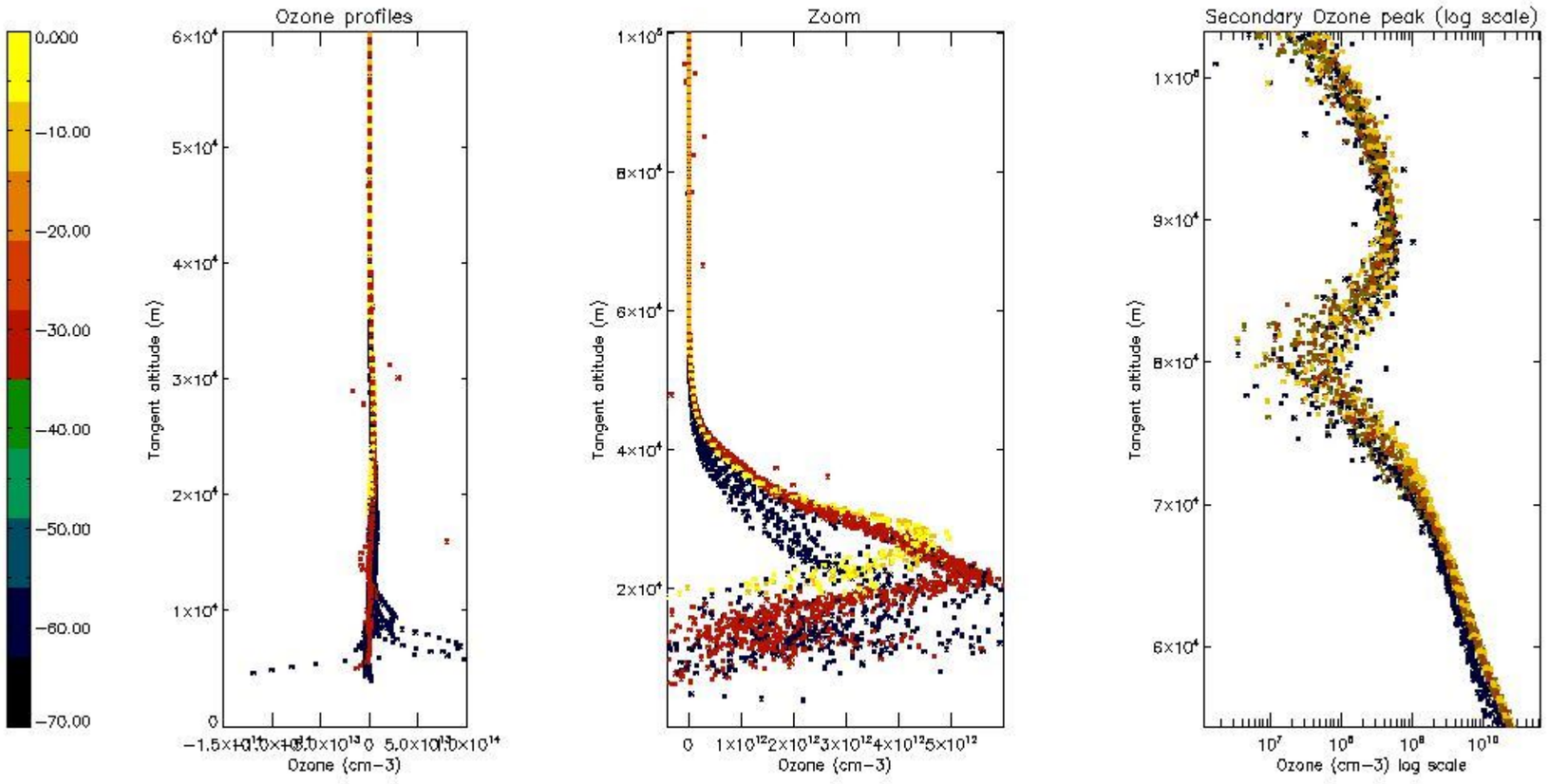
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	41
STD < 20	28

STD < 10	24
STD < 5	20

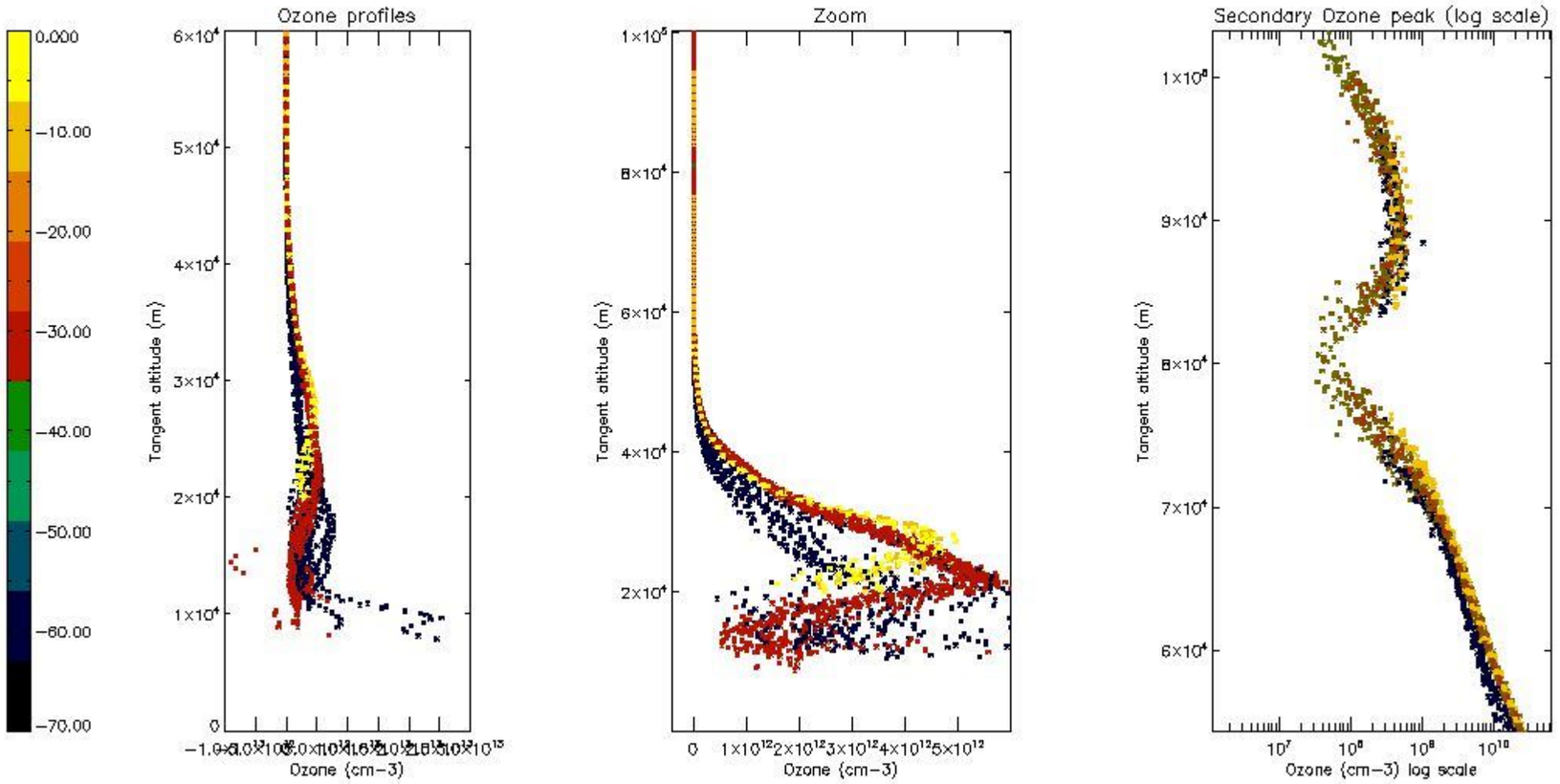
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



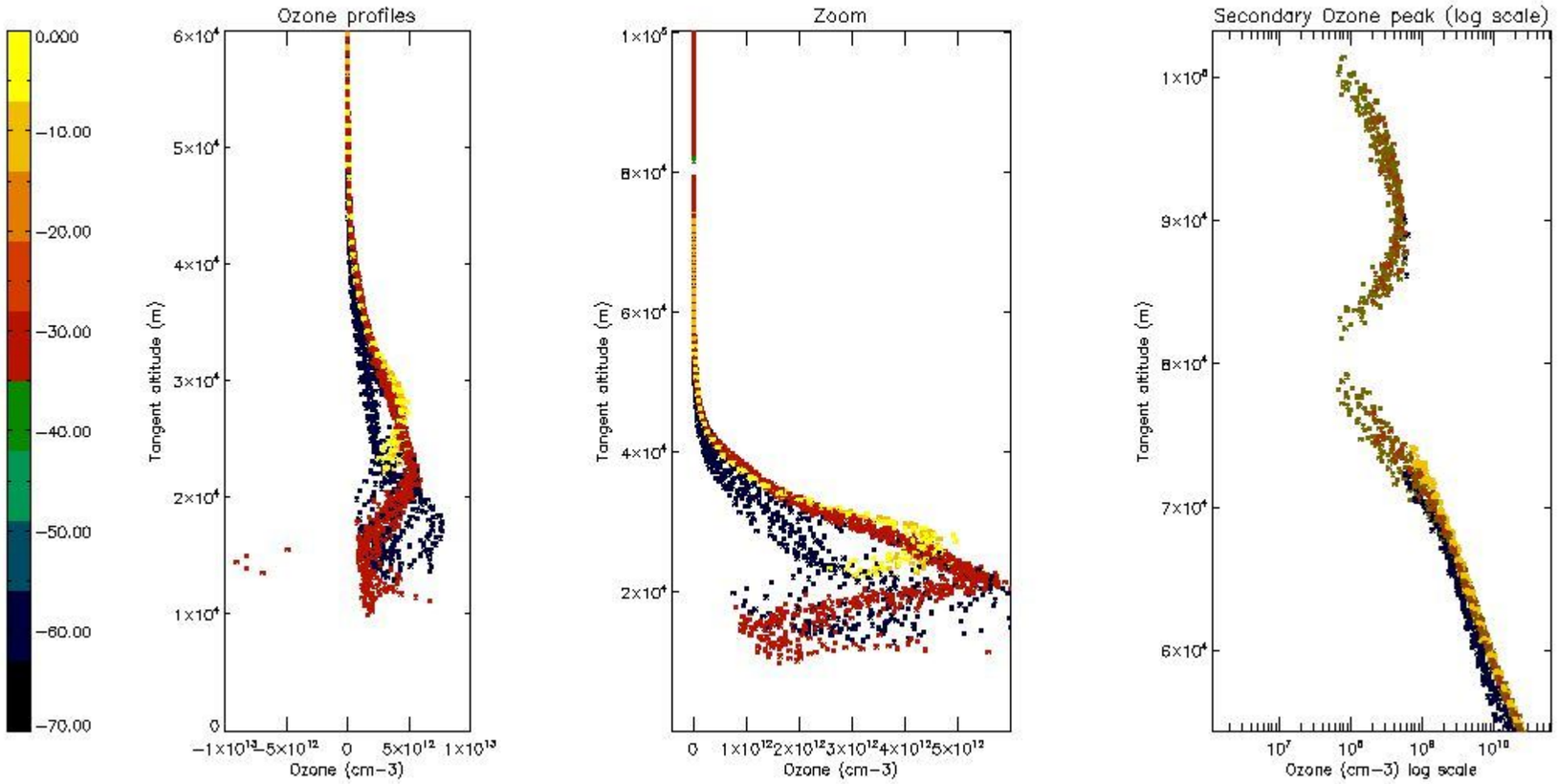
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



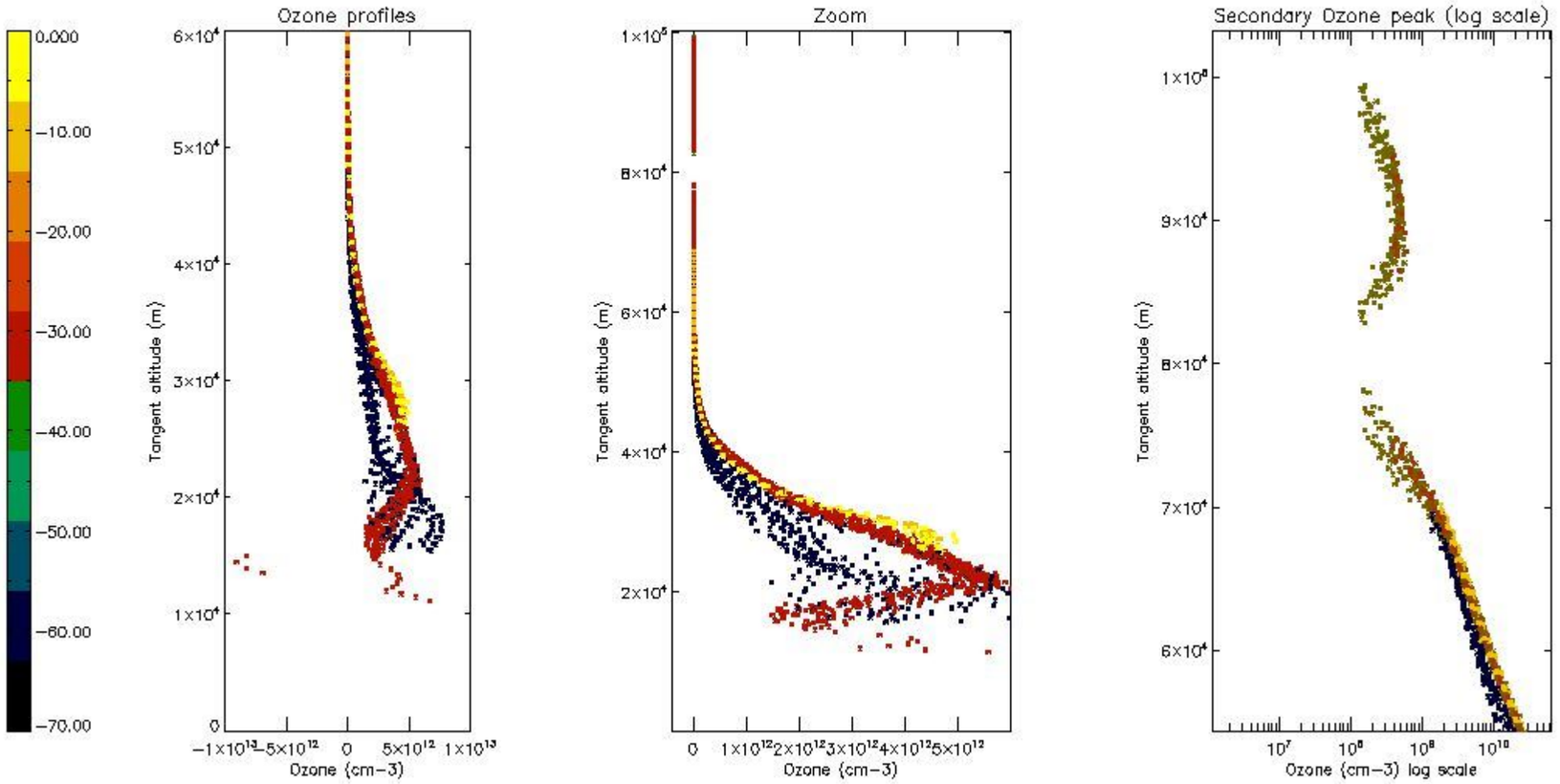
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



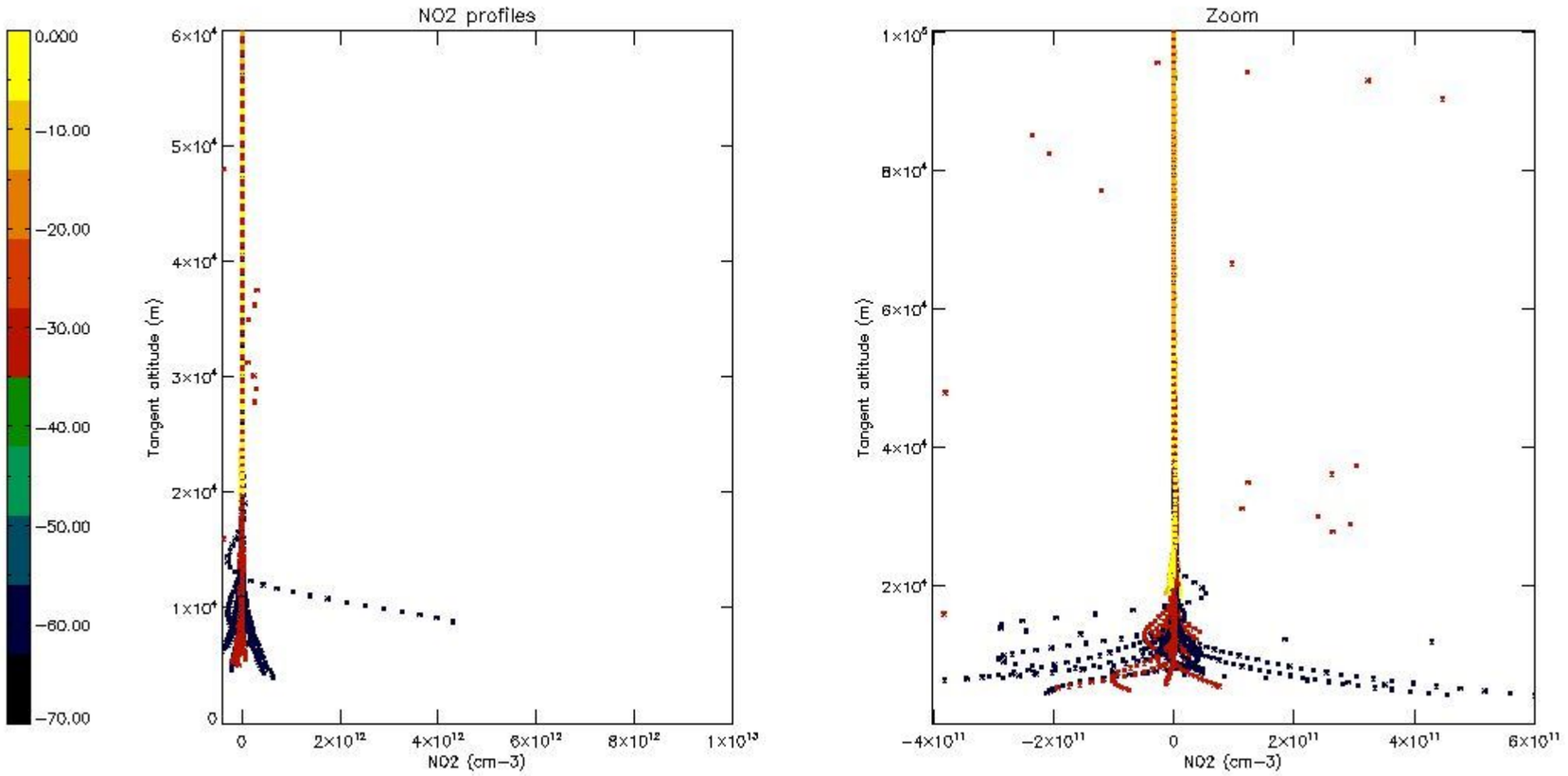
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



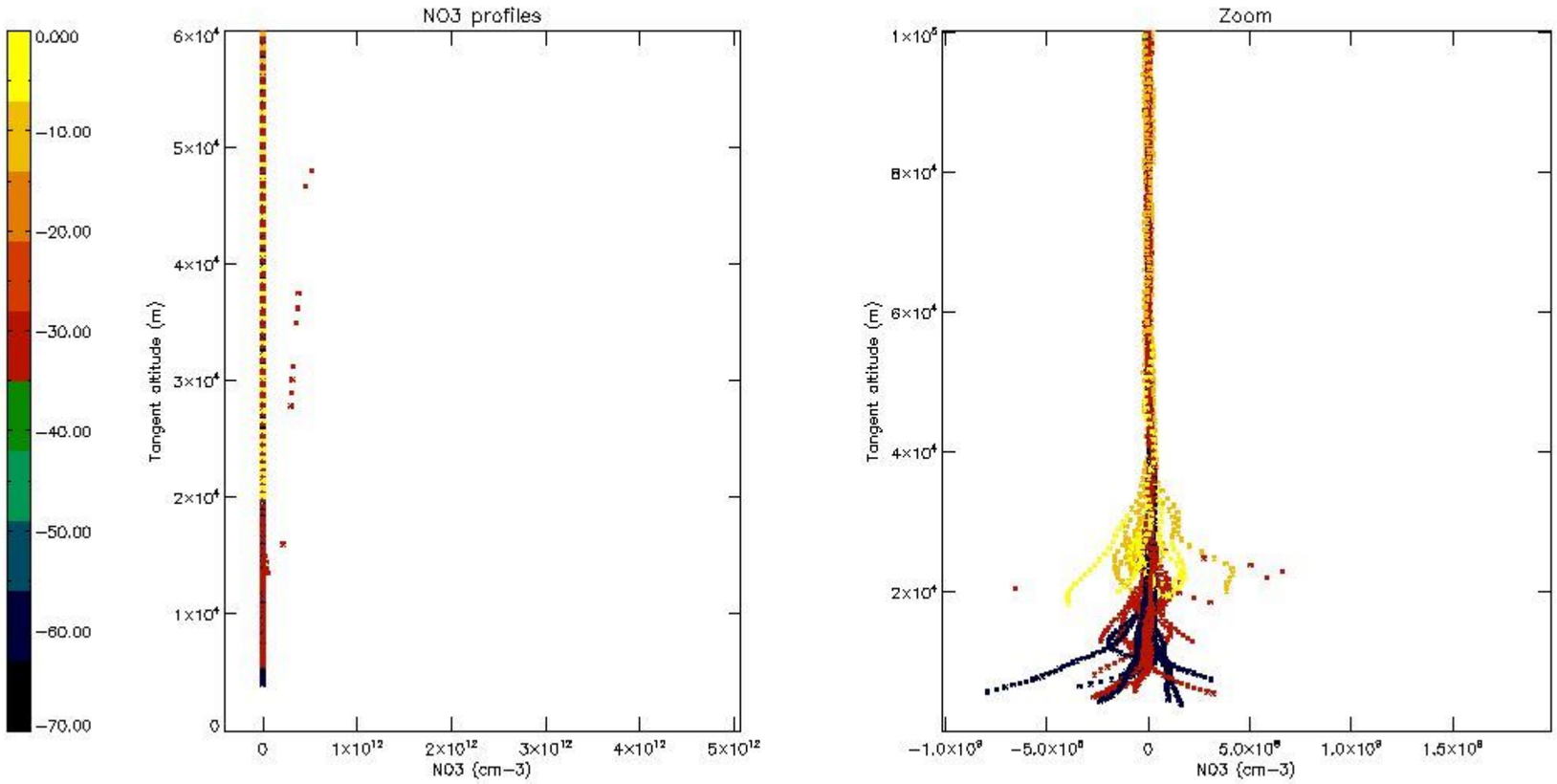
5.6 Plot NO2 profiles for all STD (dark without errors)

The colorbar represents the latitude.



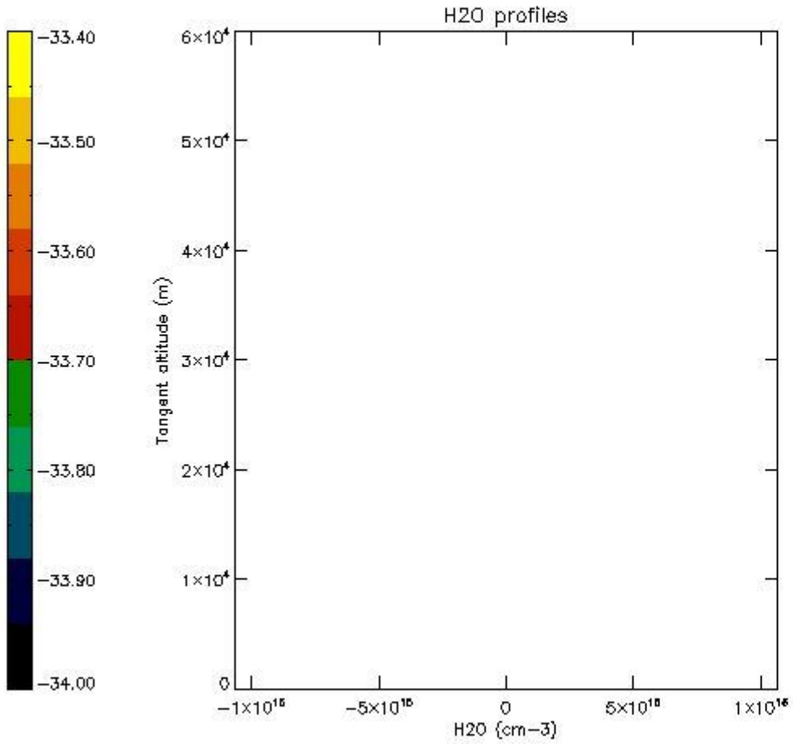
5.7 Plot NO3 profiles for all STD (dark without errors)

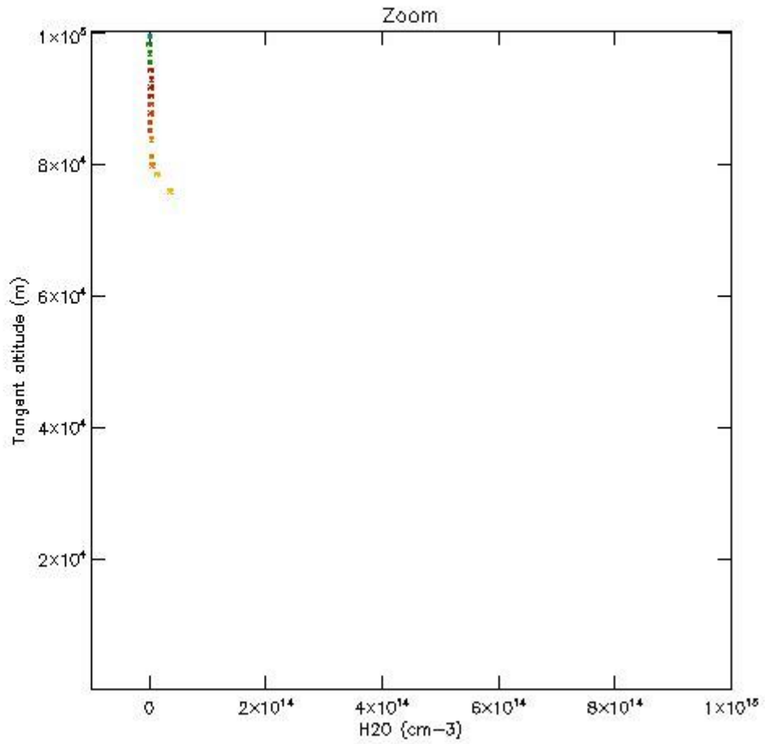
The colorbar represents the latitude.



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

The colorbar represents the latitude.

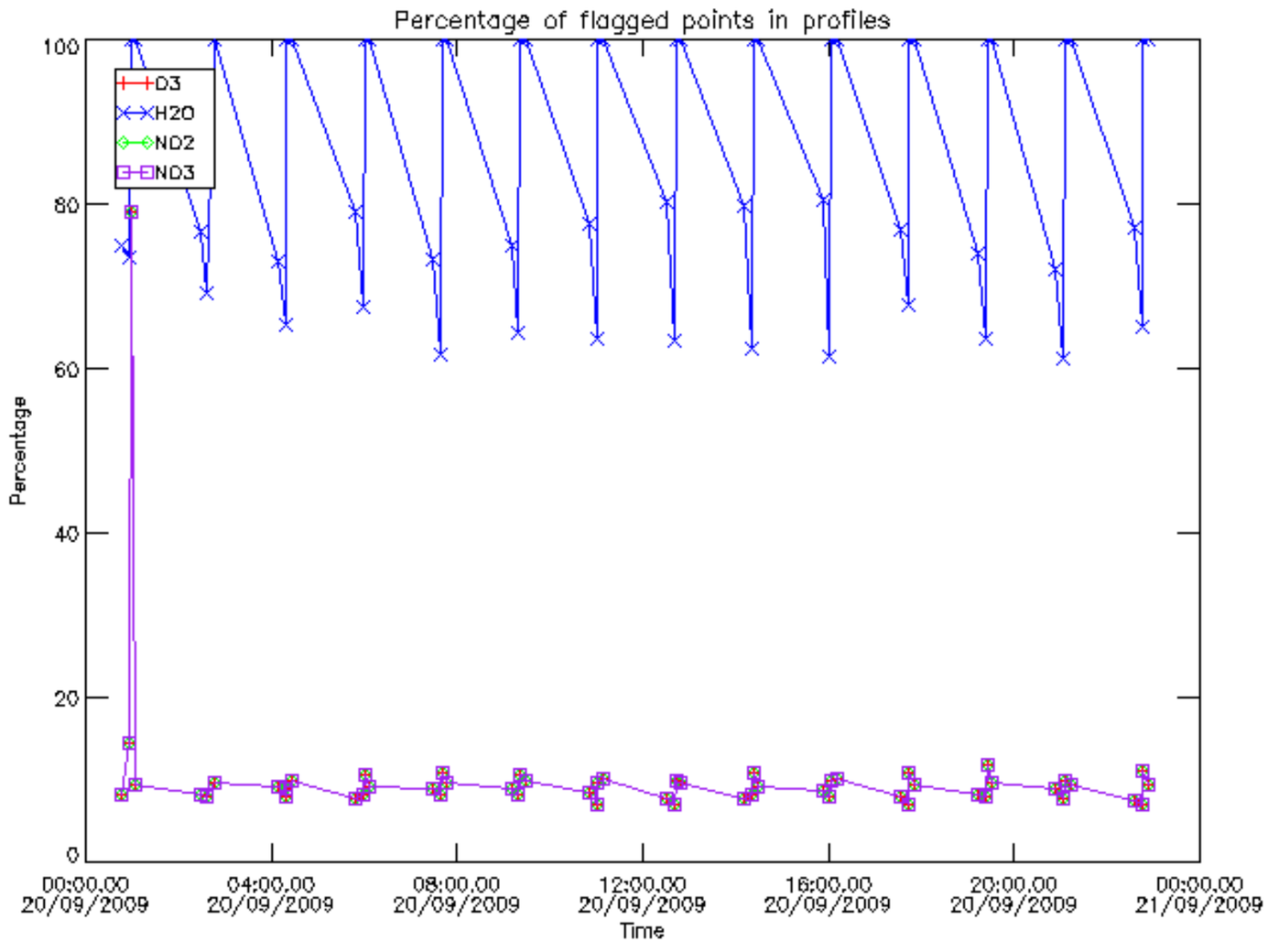




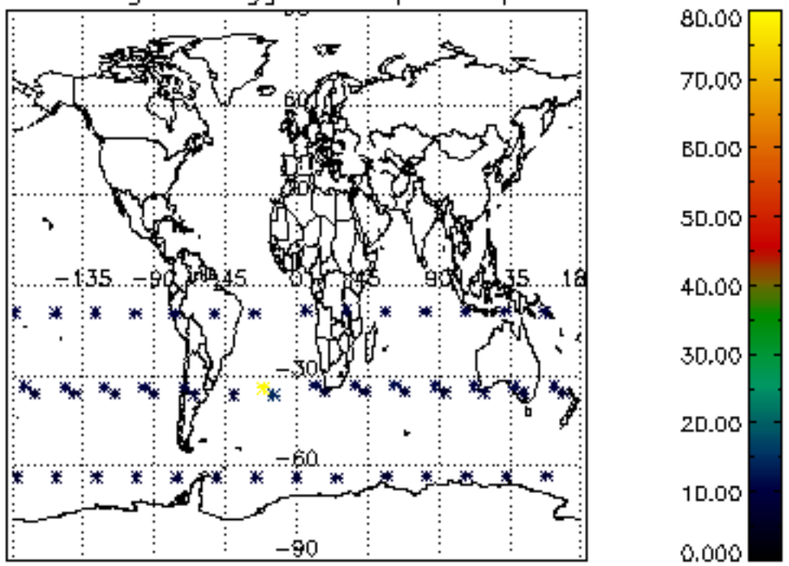
6. Auxiliary Data Files used for the production reported in section 2

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

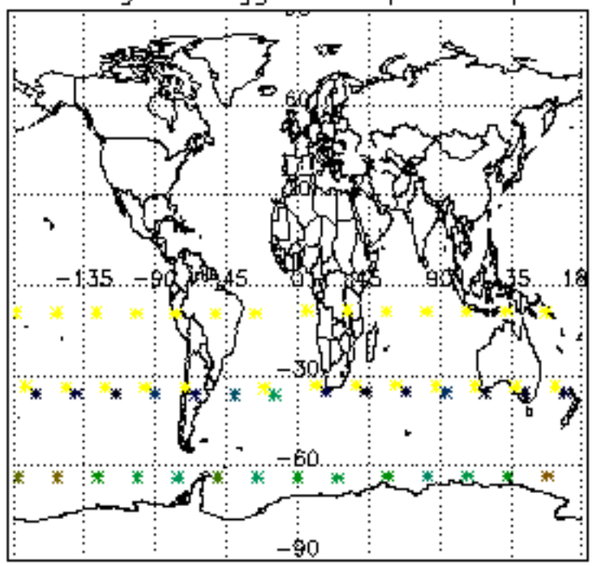
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	20-SEP-2009 00:00:05
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	20-SEP-2009 00:00:05
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	20-SEP-2009 00:00:05

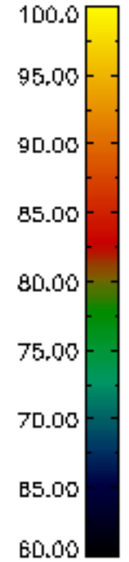

Percentage of flagged points in profiles
O3
H2O
NO2
NO3
100
80
60
40
20
0
Percentage
00:00.00
20/09/2009
04:00.00
20/09/2009
08:00.00
20/09/2009
12:00.00
20/09/2009
16:00.00
20/09/2009
20:00.00
20/09/2009
00:00.00
21/09/2009
Time

Percentage of flagged data per O3 profile

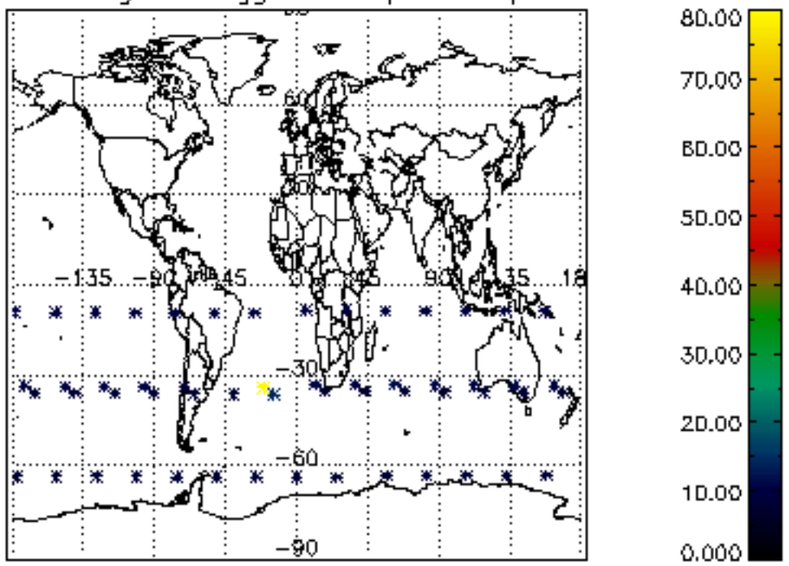


Percentage of flagged data per H2O profile

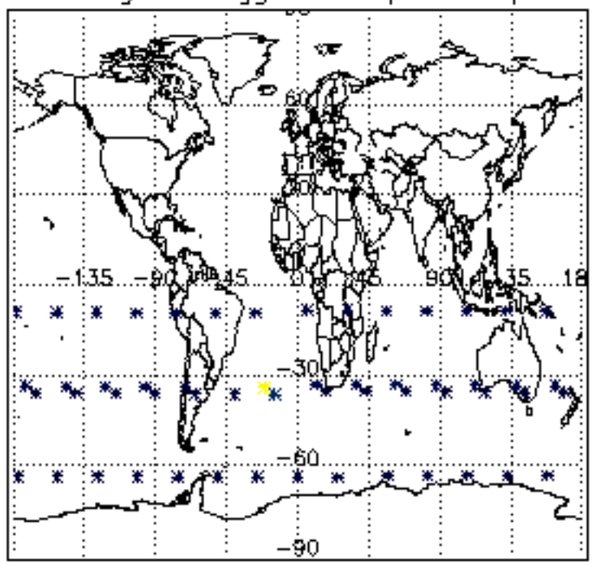


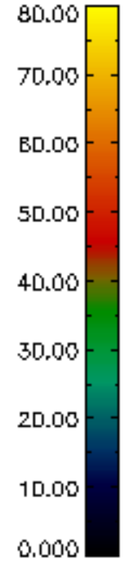


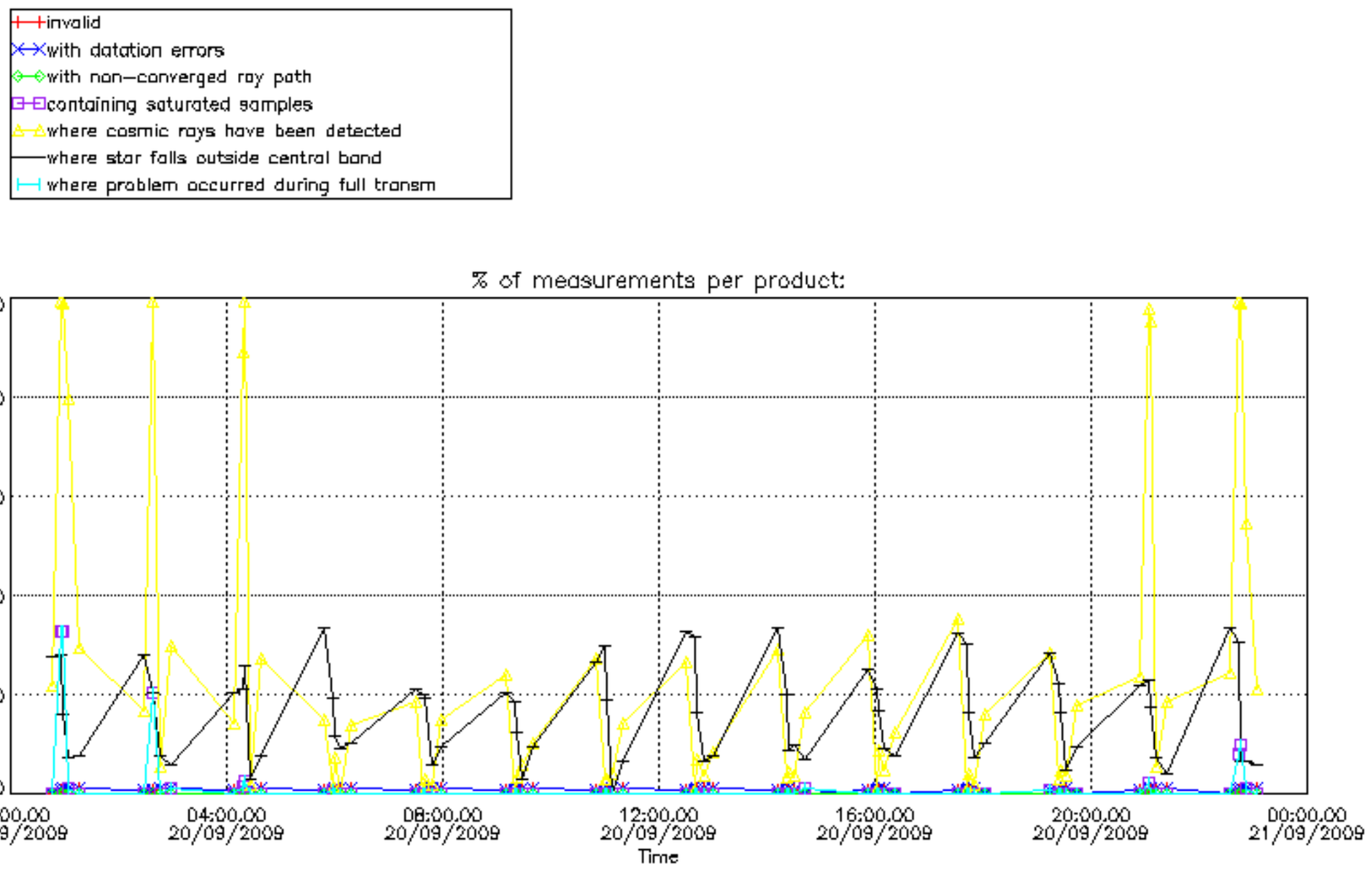
Percentage of flagged data per NO2 profile

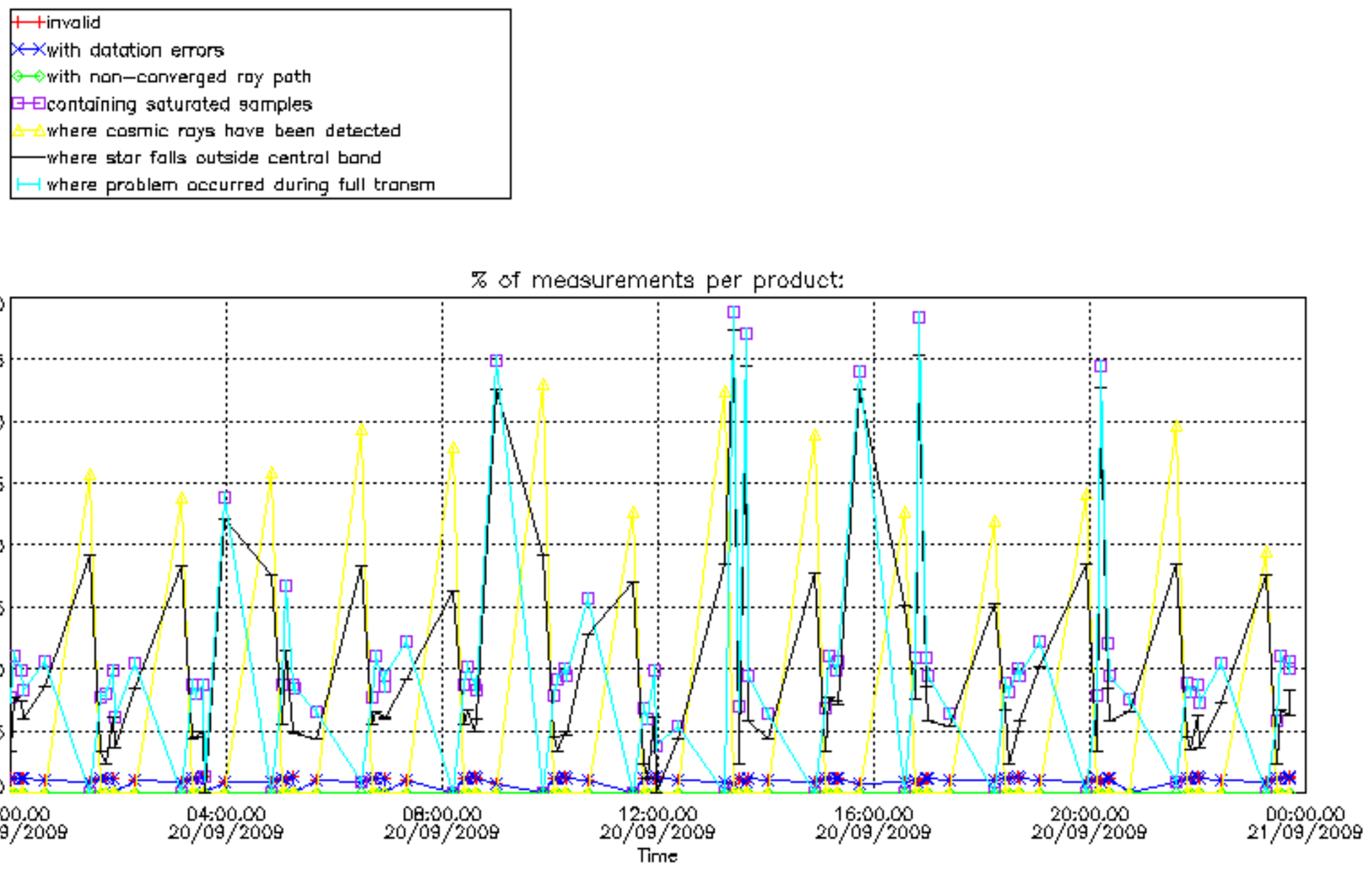


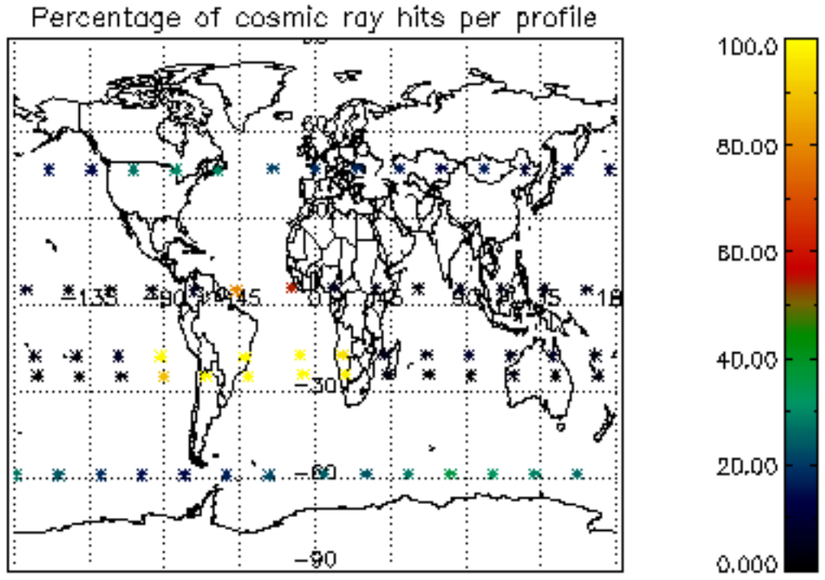
Percentage of flagged data per NO3 profile

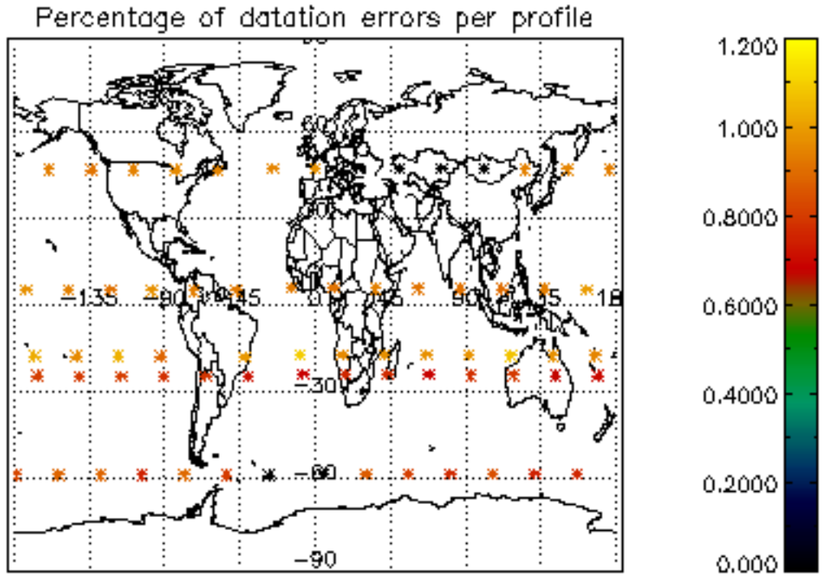


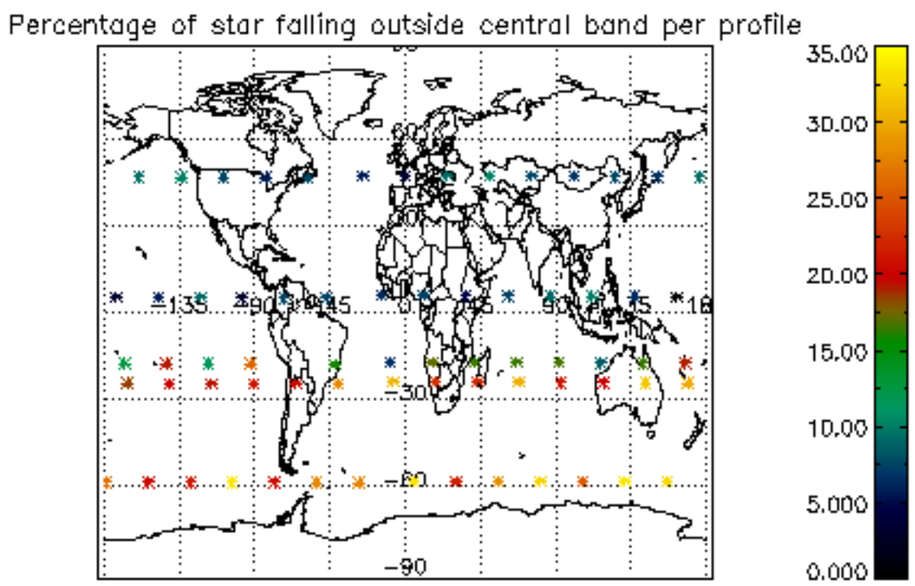


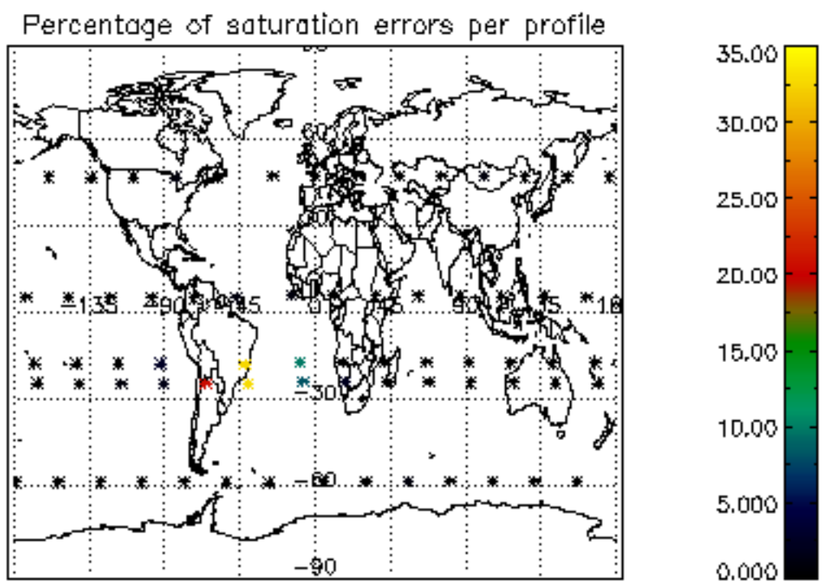

invalid
with datation errors
with non-converged ray path
containing saturated samples
where cosmic rays have been detected
where star falls outside central band
where problem occurred during full transm
% of measurements per product:
100
80
60
40
20
0
value (%)
00:00.00
20/09/2009
04:00.00
20/09/2009
08:00.00
20/09/2009
12:00.00
20/09/2009
16:00.00
20/09/2009
20:00.00
20/09/2009
00:00.00
21/09/2009
Time


invalid
with datation errors
with non-converged ray path
containing saturated samples
where cosmic rays have been detected
where star falls outside central band
where problem occurred during full transm
% of measurements per product:
value (%)
40
35
30
25
20
15
10
5
0
00:00.00 20/09/2009
04:00.00 20/09/2009
08:00.00 20/09/2009
12:00.00 20/09/2009
16:00.00 20/09/2009
20:00.00 20/09/2009
00:00.00 21/09/2009
Time

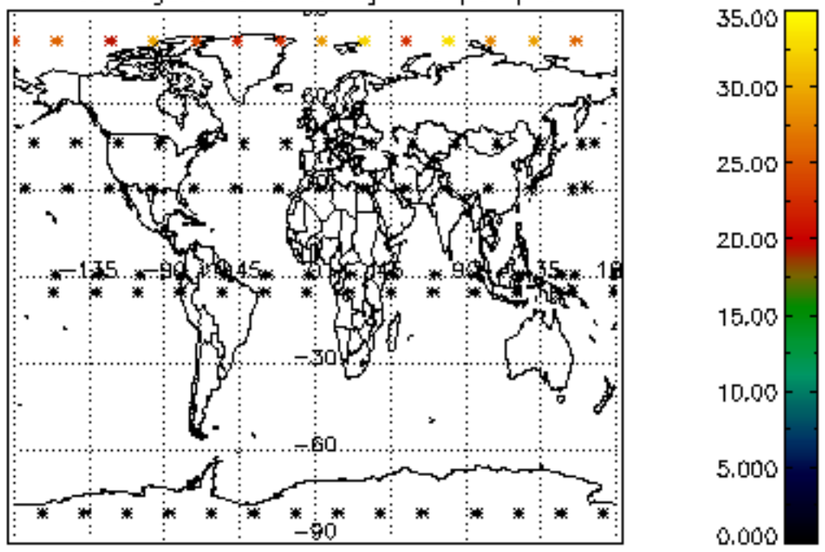

Percentage of cosmic ray hits per profile
100.0
80.00
60.00
40.00
20.00
0.000
−135
−90
−45
0
45
90
135
180
−30
−60
−90


Percentage of datation errors per profile
1.200
1.000
0.8000
0.6000
0.4000
0.2000
0.000
−135
−90
−45
0
45
90
135
180
−30
−60
−90

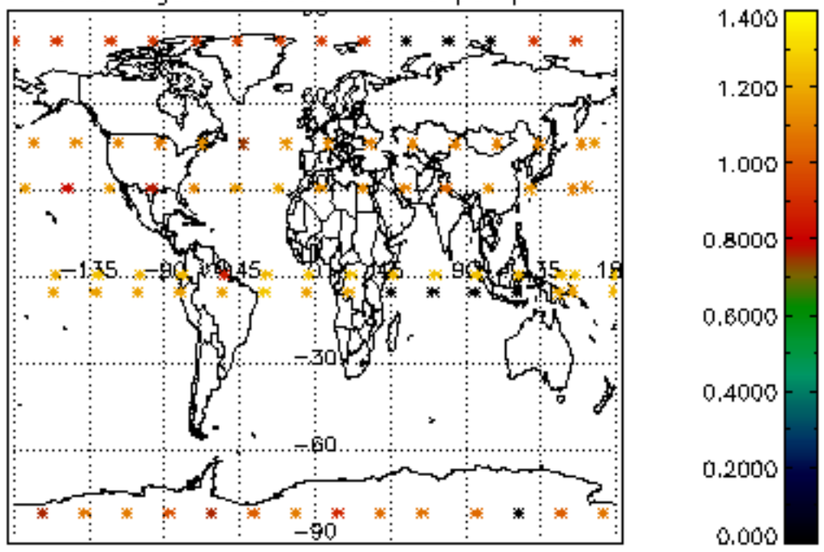

Percentage of star falling outside central band per profile
35.00
30.00
25.00
20.00
15.00
10.00
5.000
0.000
−135
−90
−45
0
45
90
135
180
−30
−60
−90


Percentage of saturation errors per profile
35.00
30.00
25.00
20.00
15.00
10.00
5.000
0.000
−135
−90
−45
0
45
90
135
180
−30
−60
−90

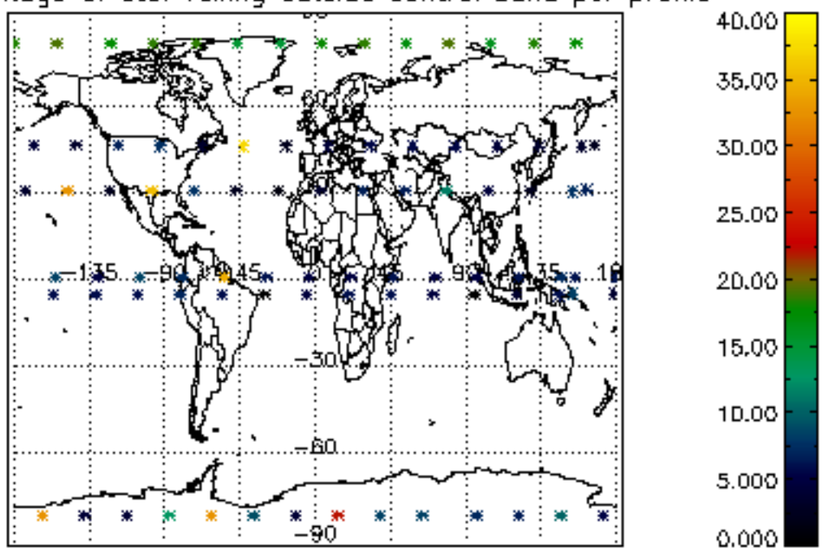
Percentage of cosmic ray hits per profile



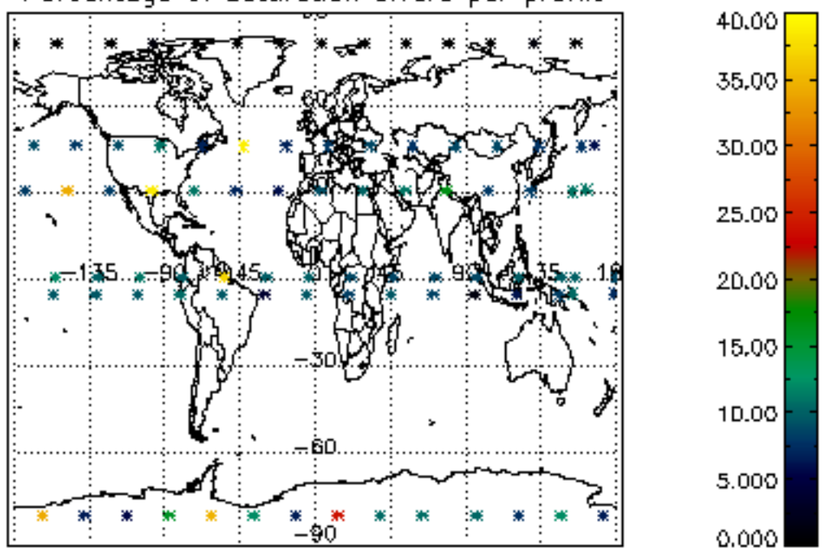
Percentage of datation errors per profile

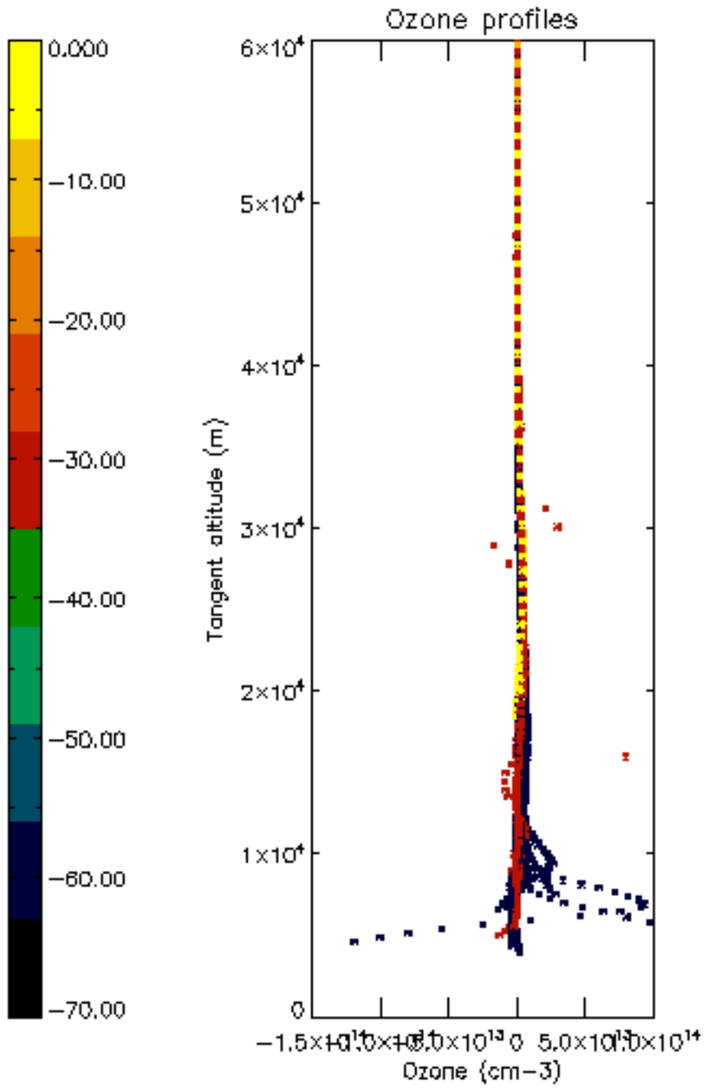


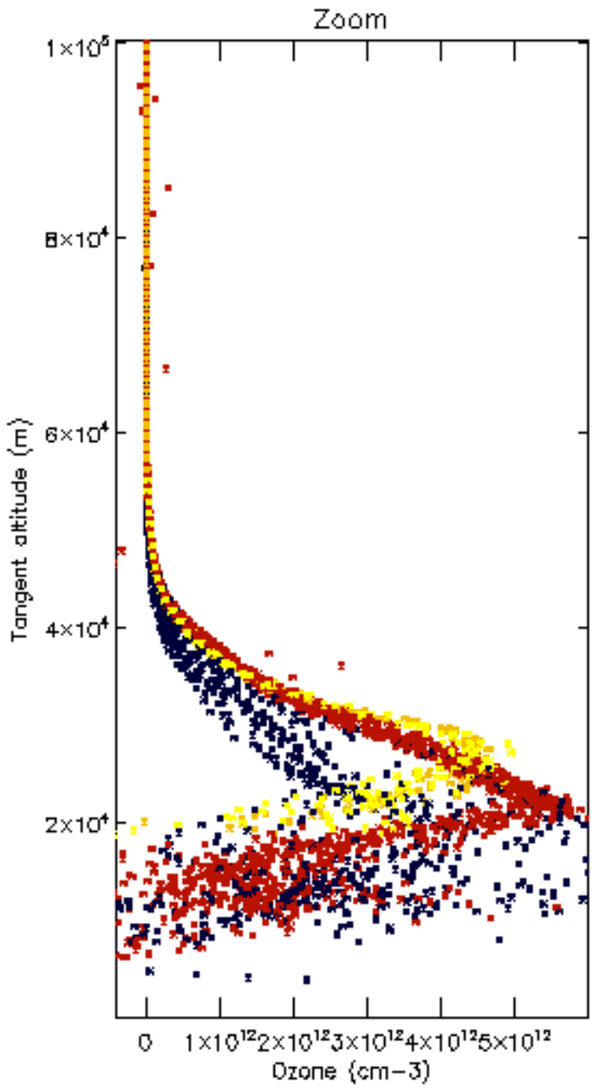
Percentage of star falling outside central band per profile

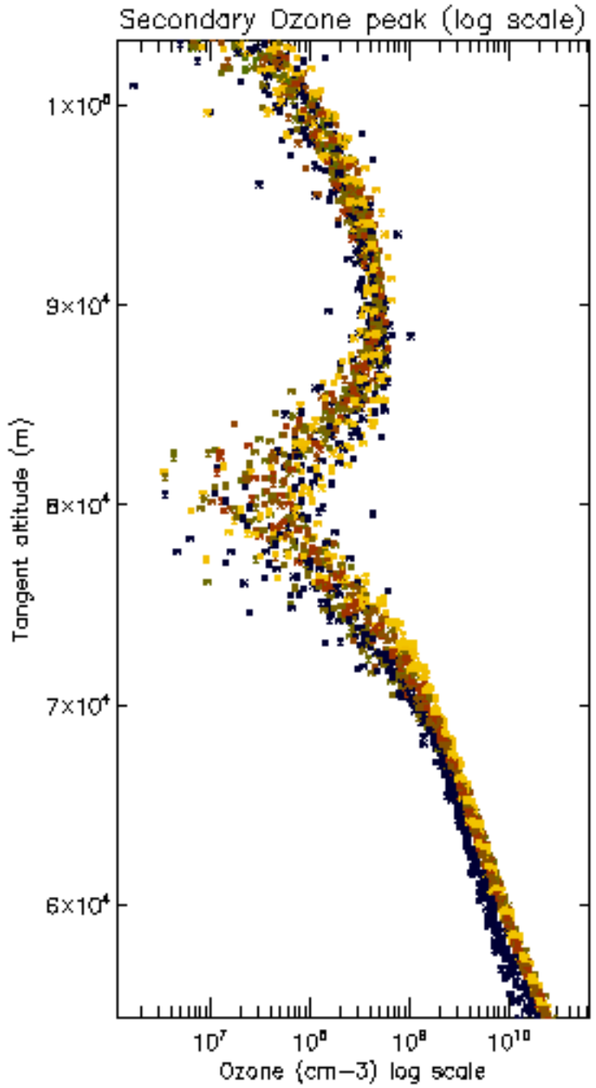


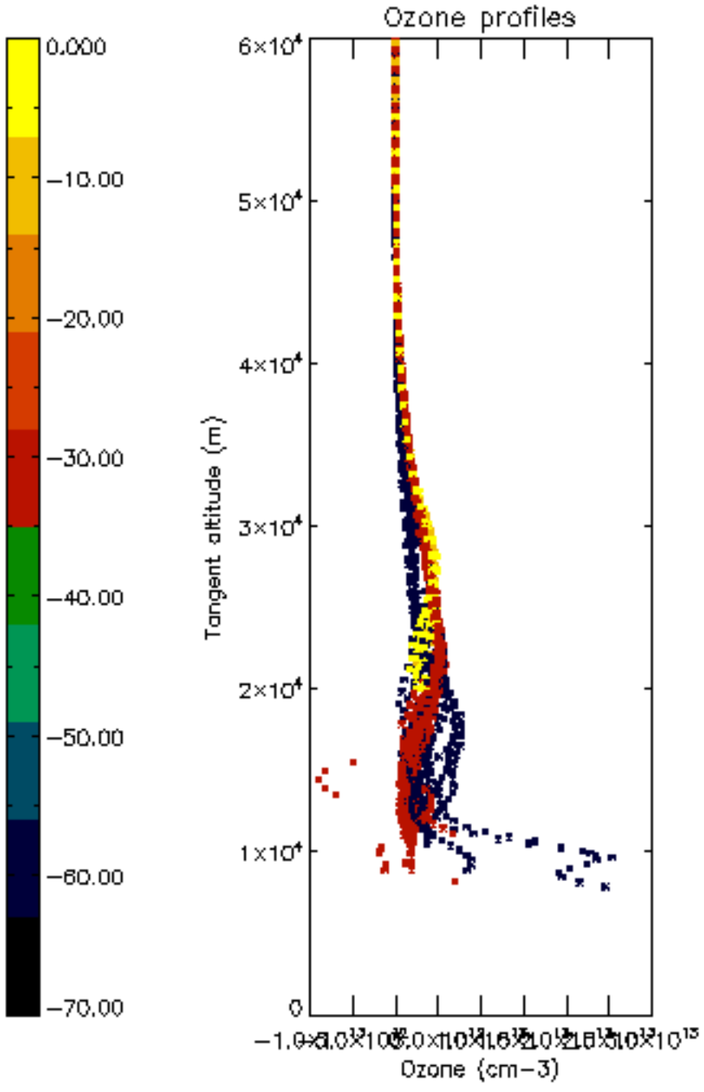
Percentage of saturation errors per profile

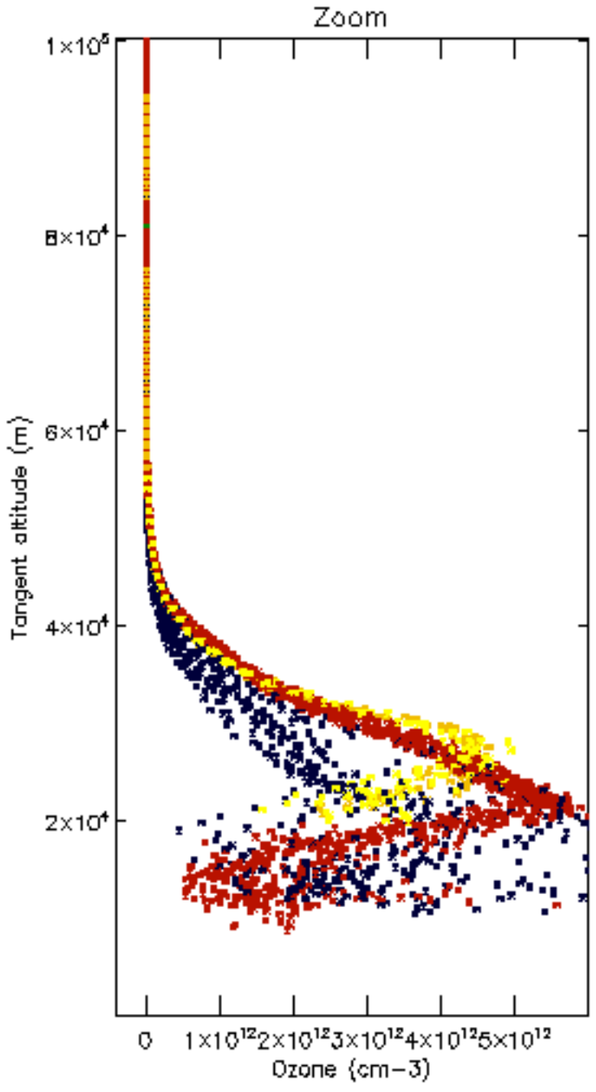


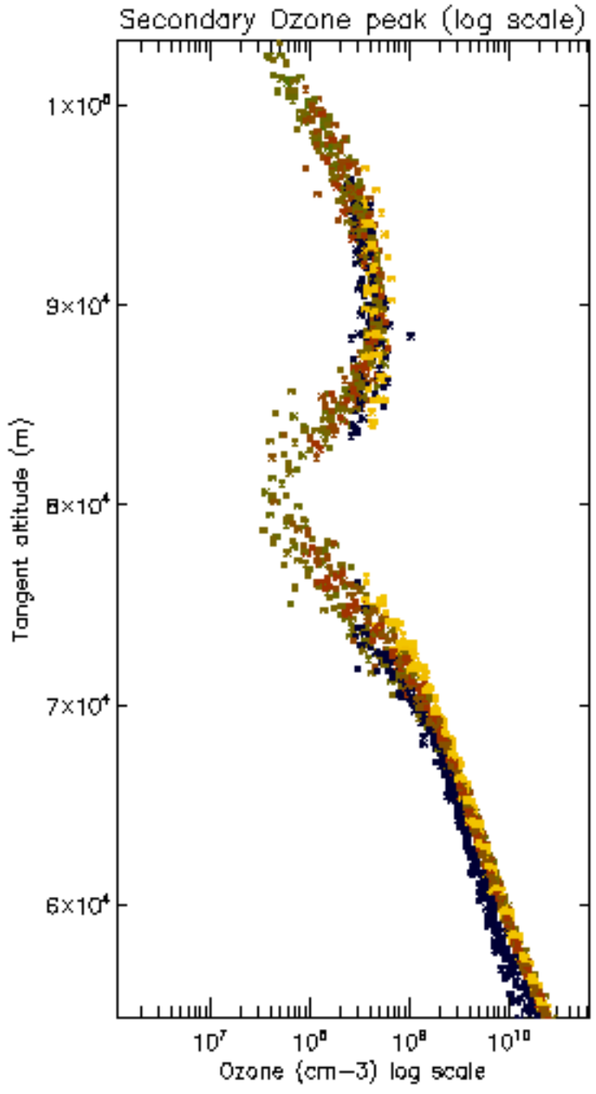

Ozone profiles
0.000
−10.00
−20.00
−30.00
−40.00
−50.00
−60.00
−70.00
6×10⁴
5×10⁴
4×10⁴
3×10⁴
2×10⁴
1×10⁴
0
Tangent altitude (m)
−1.5×10¹³ −1.0×10¹³ −5.0×10¹² 0 5.0×10¹² 1.0×10¹³ 1.5×10¹⁴
Ozone (cm−3)

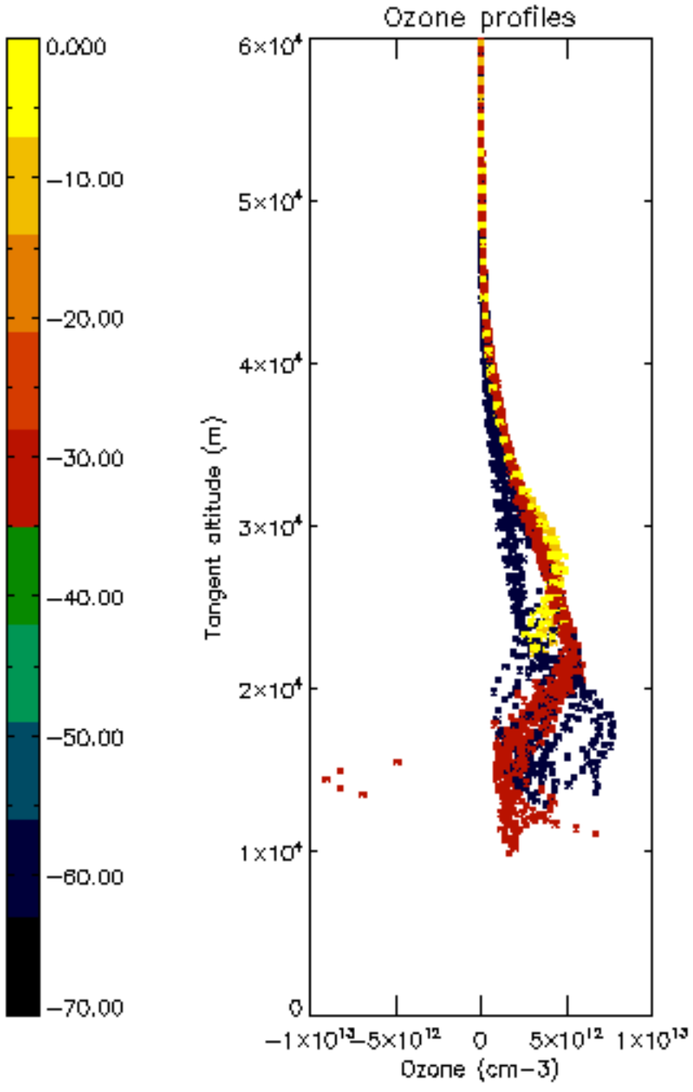

Zoom
1×10⁵
8×10⁴
6×10⁴
4×10⁴
2×10⁴
Tangent altitude (m)
0 1×10¹² 2×10¹² 3×10¹² 4×10¹² 5×10¹²
Ozone (cm−3)


Secondary Ozone peak (log scale)
1×10⁵
9×10⁴
8×10⁴
7×10⁴
6×10⁴
Tangent altitude (m)
10⁷ 10⁸ 10⁹ 10¹⁰
Ozone (cm−3) log scale


0.000
−10.00
−20.00
−30.00
−40.00
−50.00
−60.00
−70.00
Ozone profiles
6×10⁴
5×10⁴
4×10⁴
3×10⁴
2×10⁴
1×10⁴
0
Tangent altitude (m)
Ozone (cm−3)

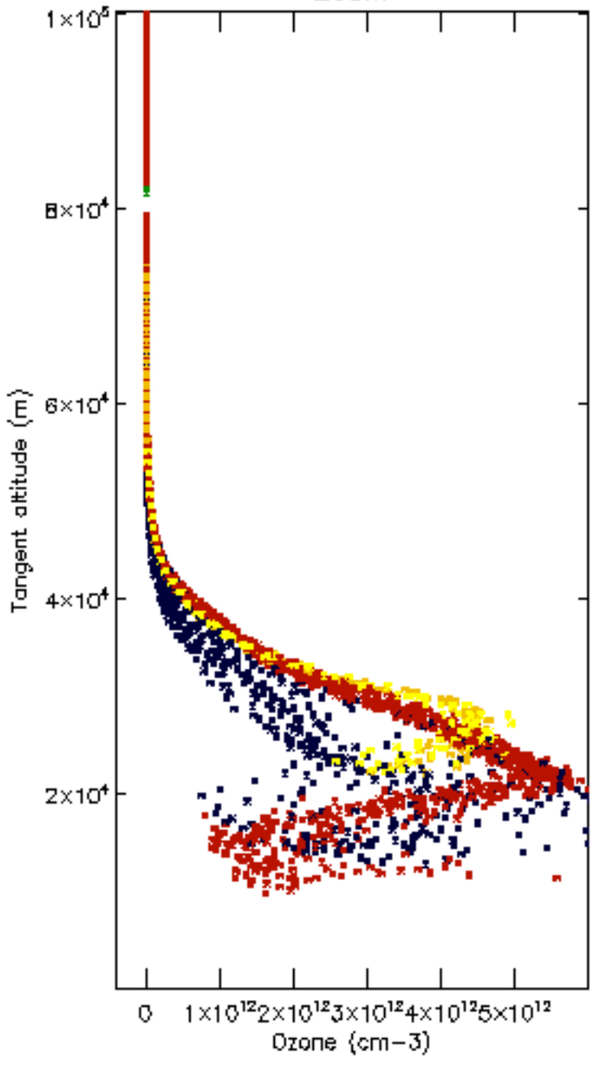

Zoom
1×10⁵
8×10⁴
6×10⁴
4×10⁴
2×10⁴
Tangent altitude (m)
0
1×10¹²
2×10¹²
3×10¹²
4×10¹²
5×10¹²
Ozone (cm−3)


Secondary Ozone peak (log scale)
1×10⁵
9×10⁴
8×10⁴
7×10⁴
6×10⁴
Tangent altitude (m)
10⁷
10⁸
10⁹
10¹⁰
Ozone (cm−3) log scale

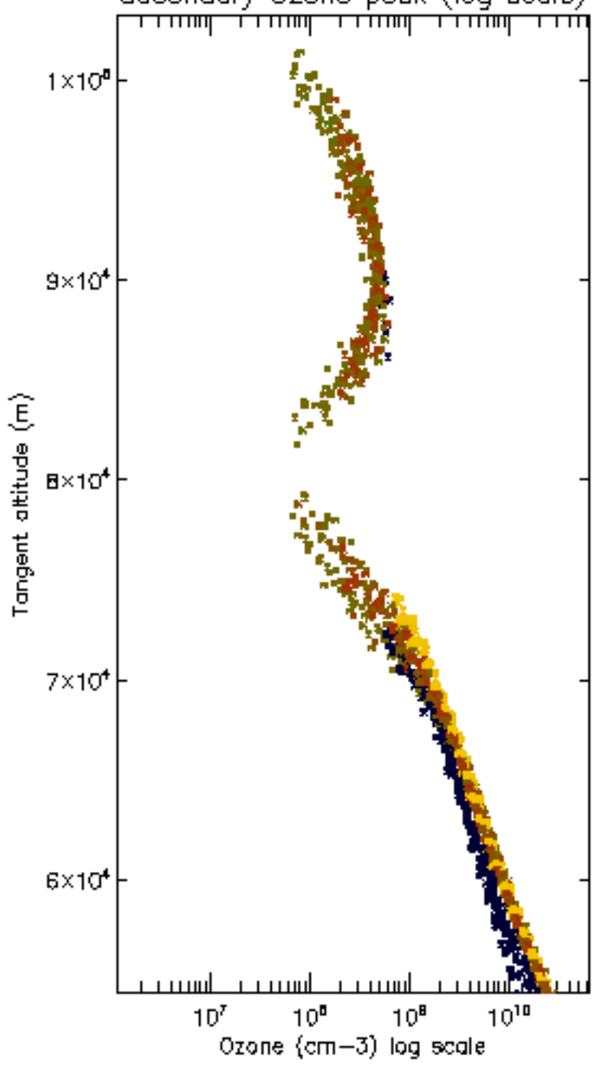


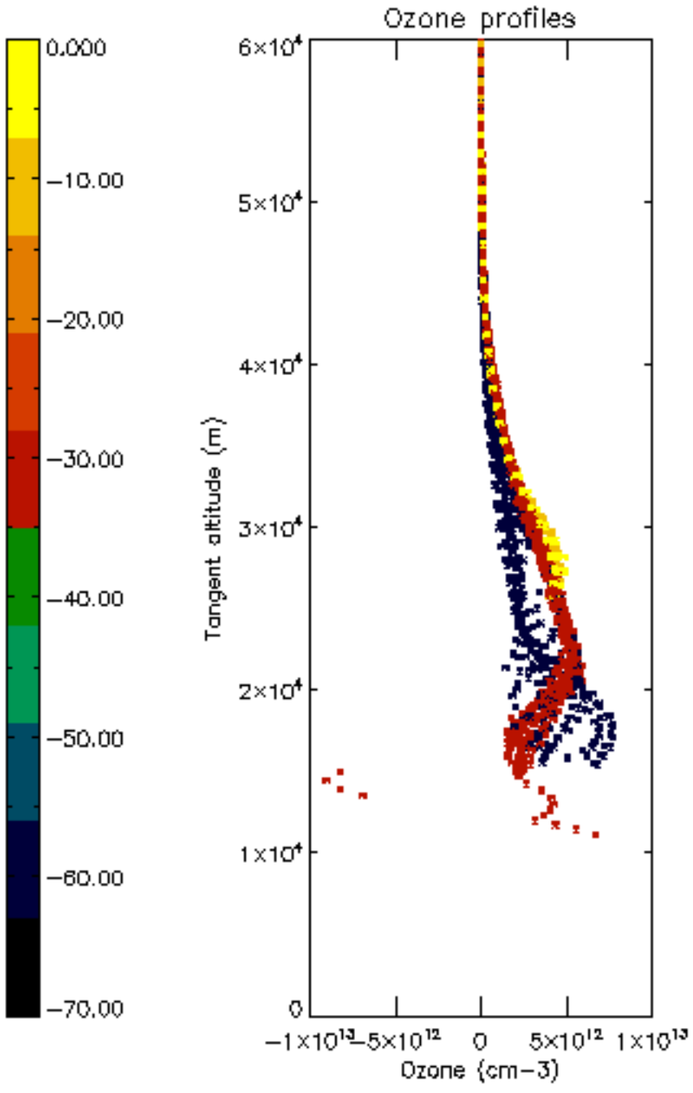
Ozone profiles

Zoom



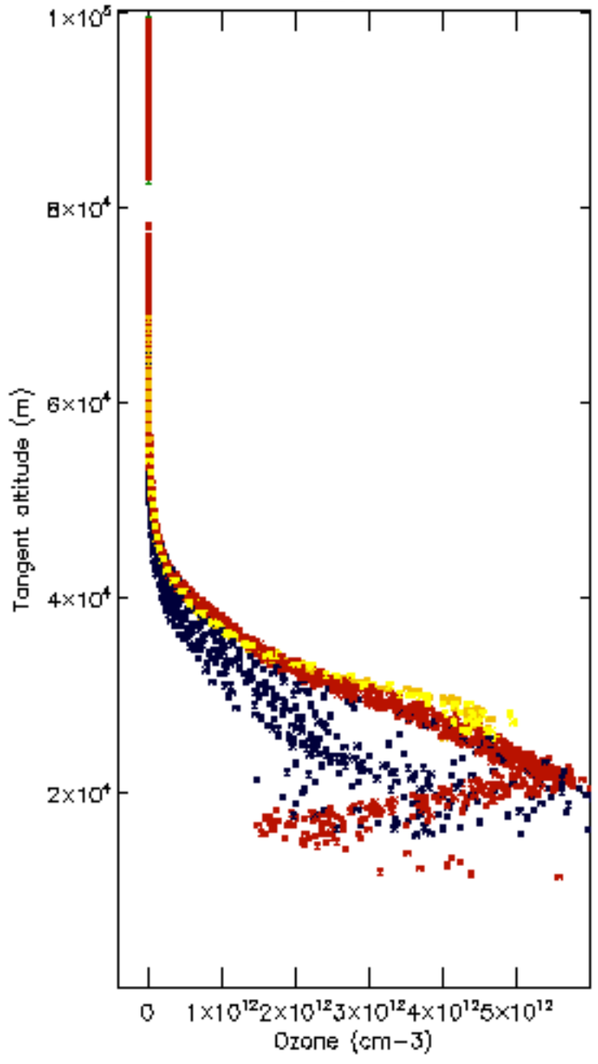
Secondary Ozone peak (log scale)



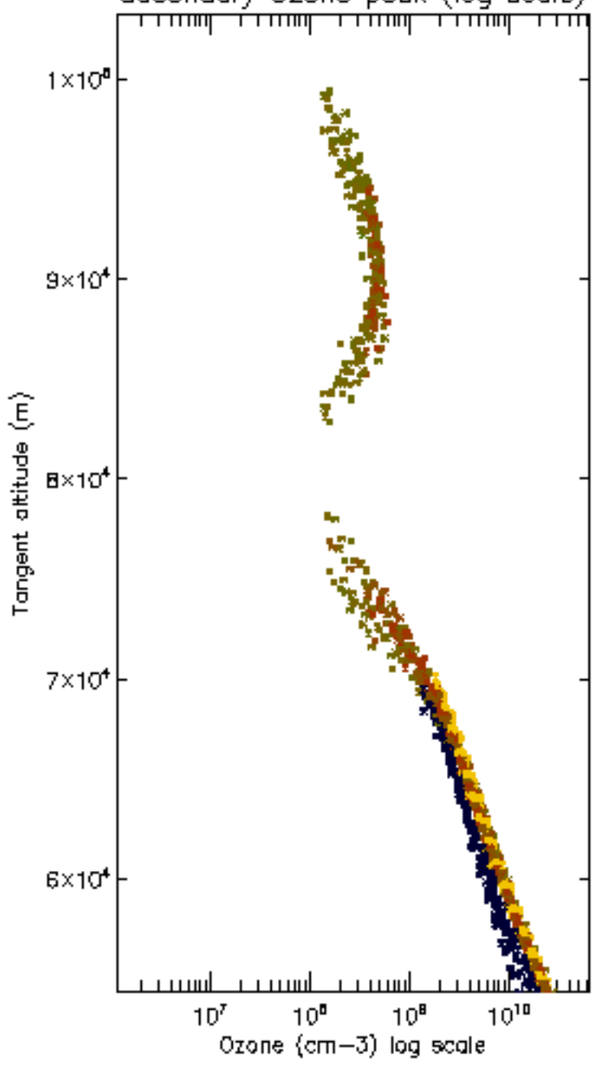


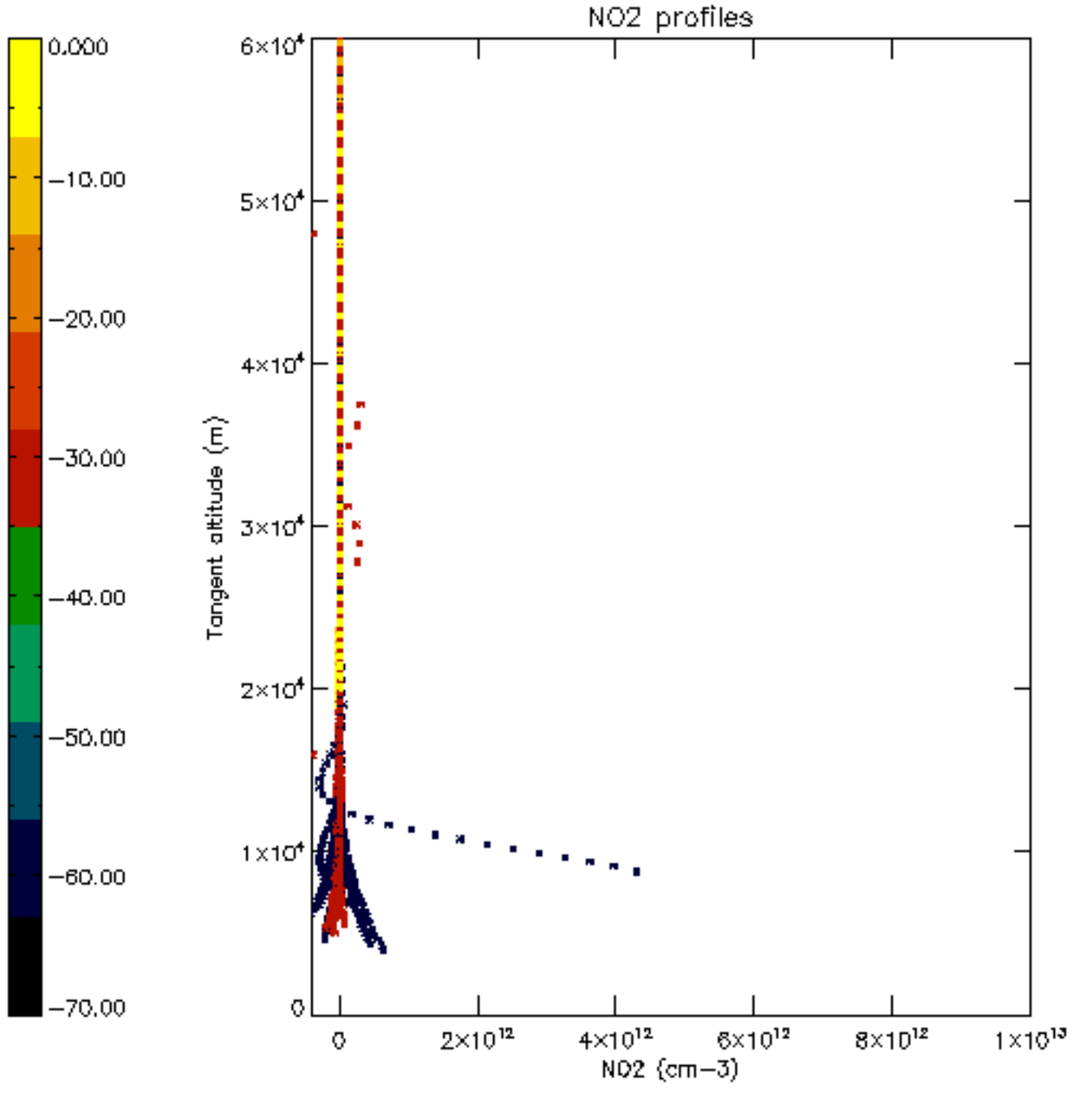
Ozone profiles

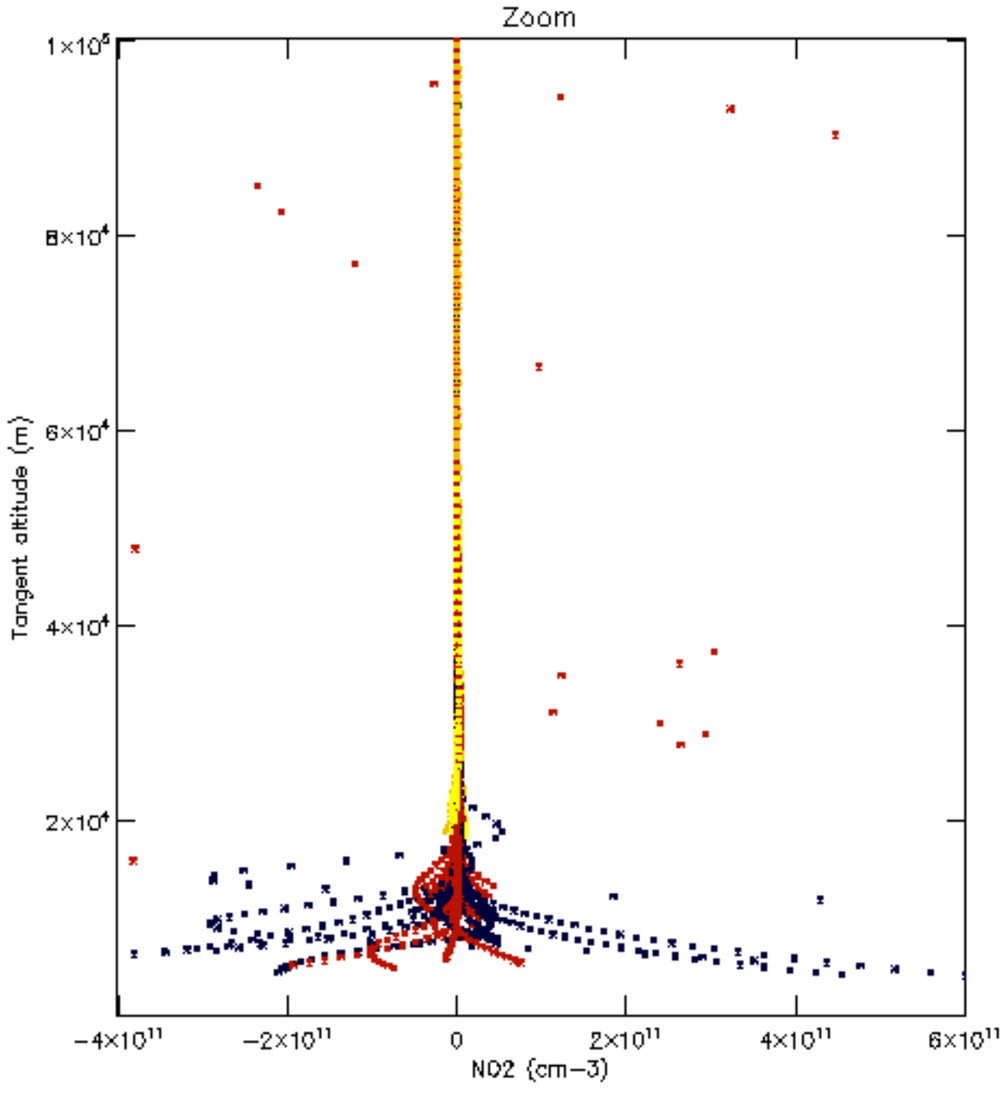
Zoom

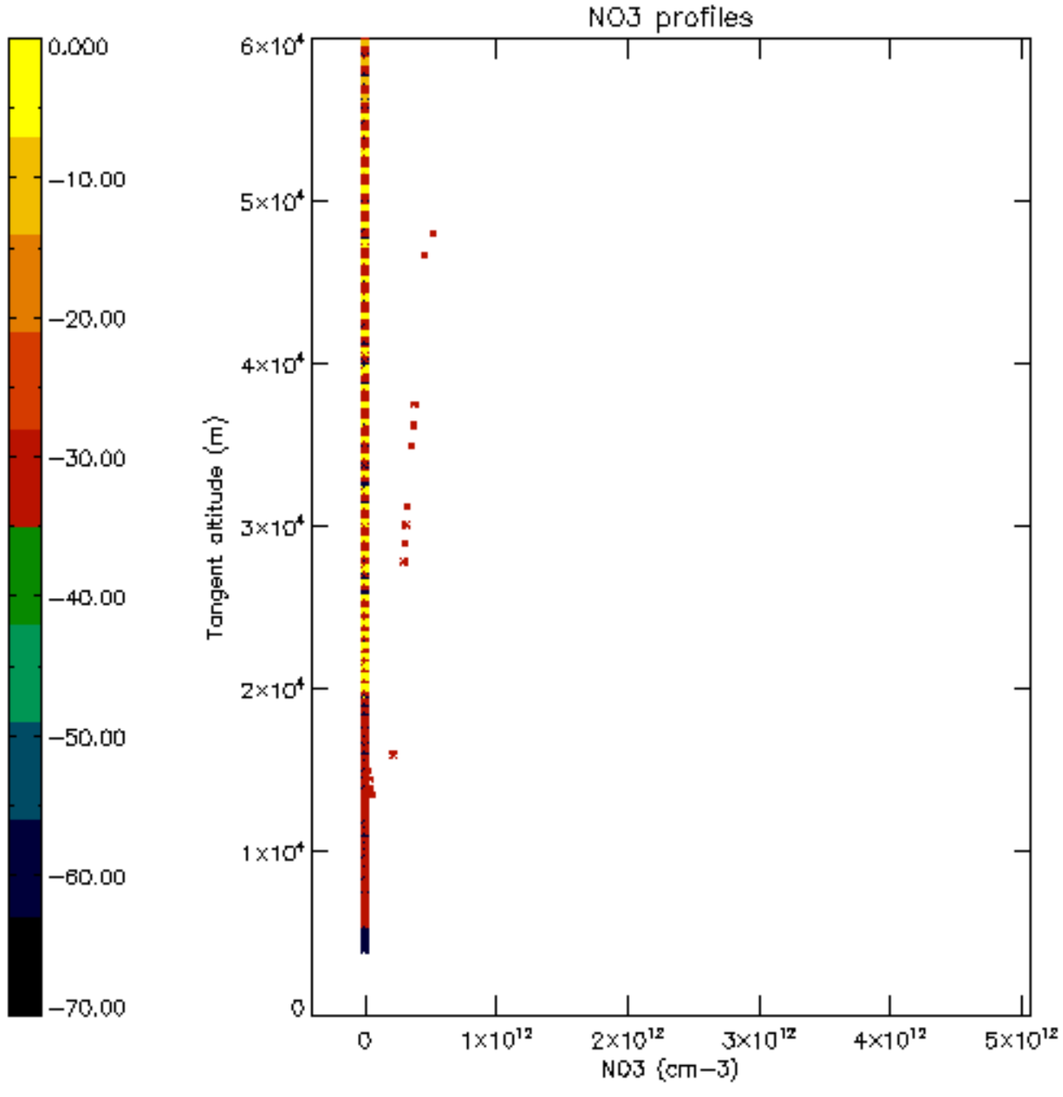


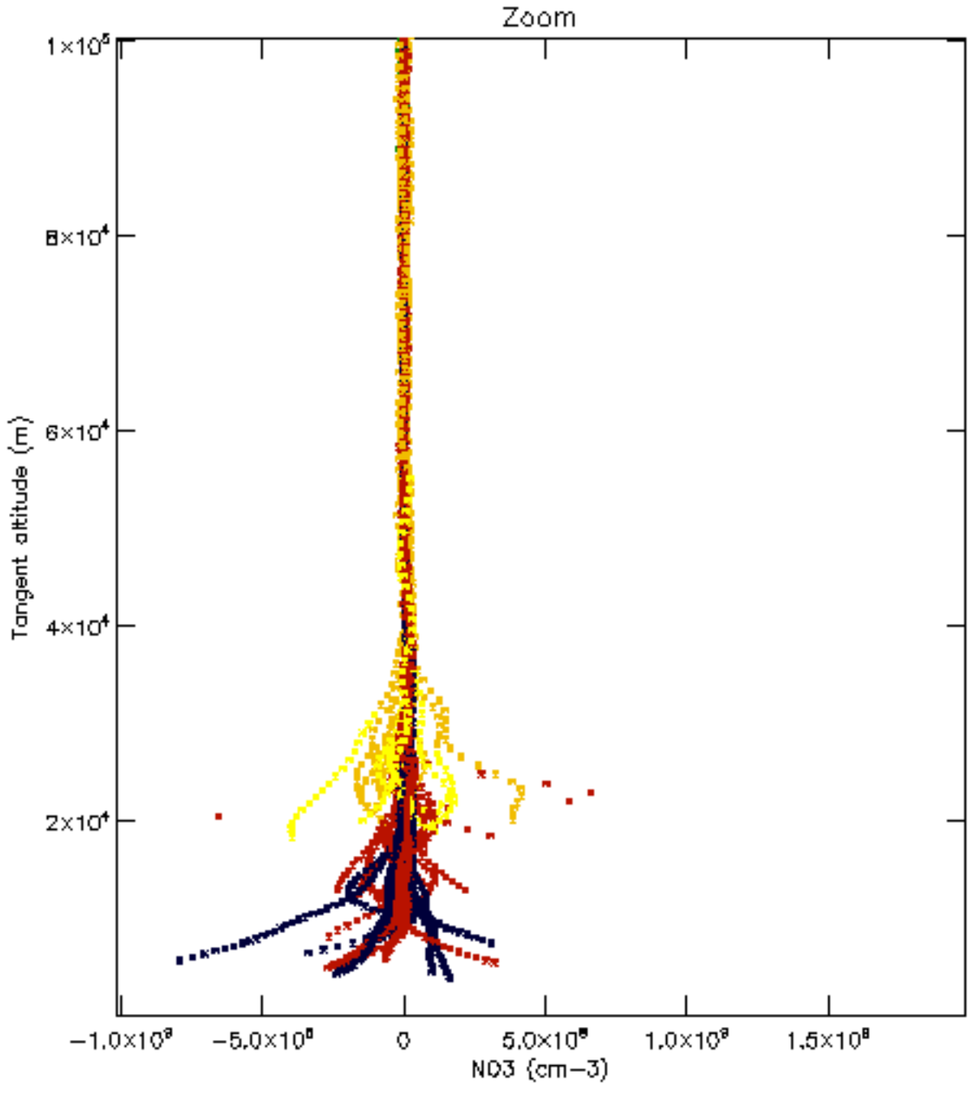
Secondary Ozone peak (log scale)

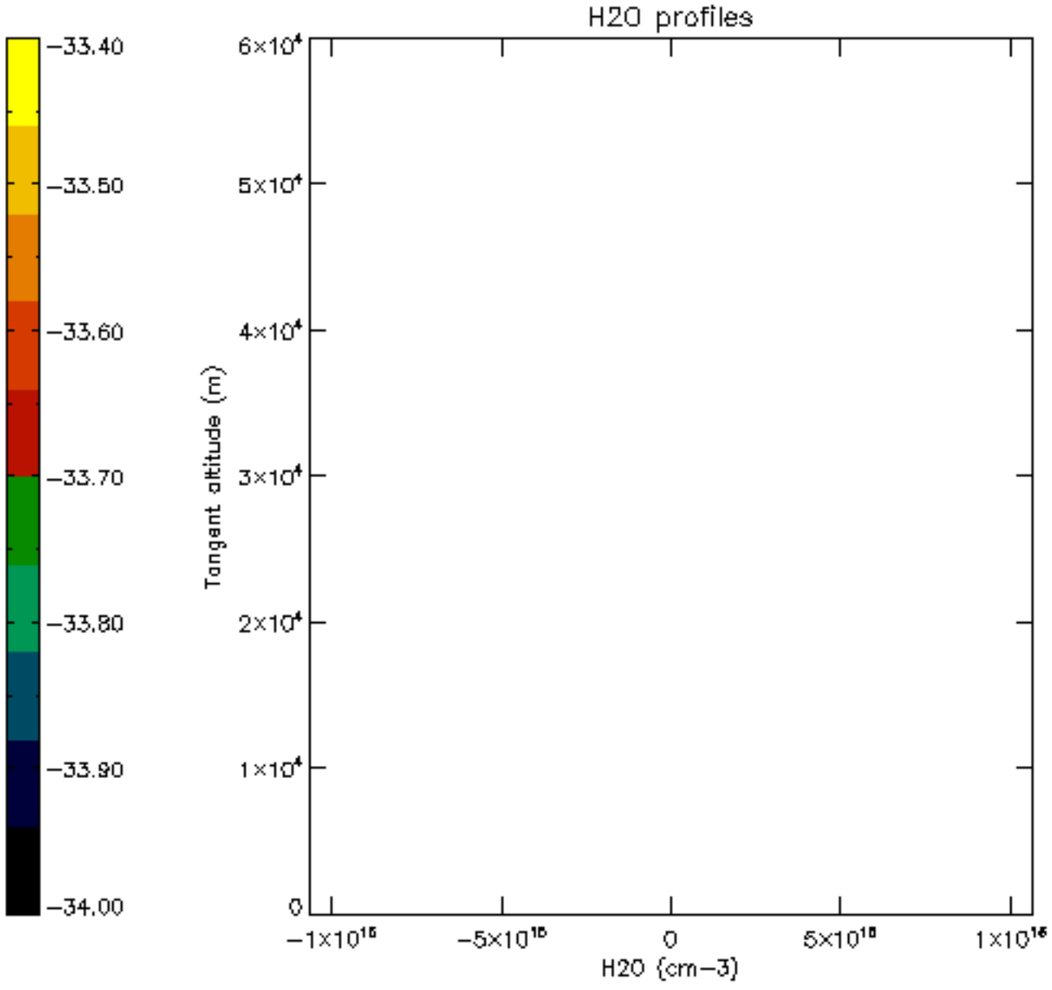


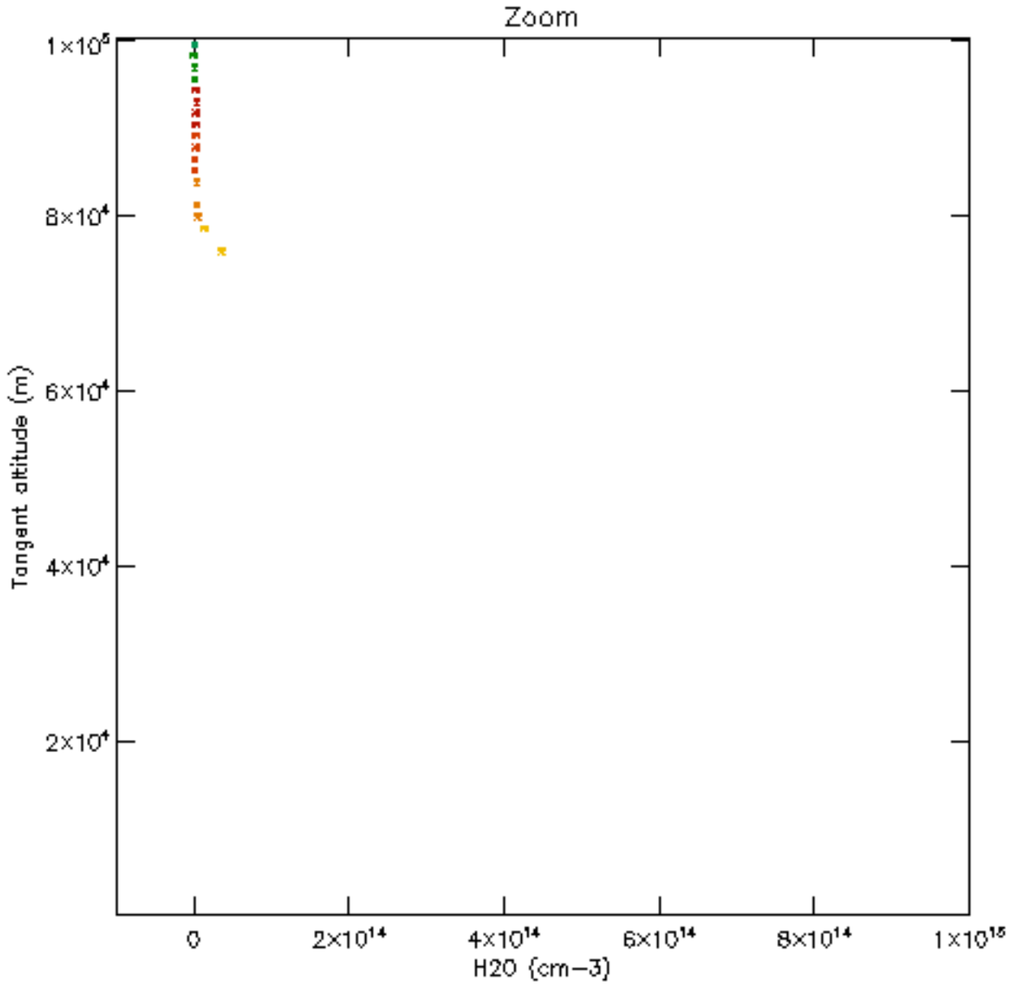

NO2 profiles
0.000
−10.00
−20.00
−30.00
−40.00
−50.00
−60.00
−70.00
Tangent altitude (m)
6×10⁴
5×10⁴
4×10⁴
3×10⁴
2×10⁴
1×10⁴
0
0
2×10¹²
4×10¹²
6×10¹²
8×10¹²
1×10¹³
NO2 (cm−3)

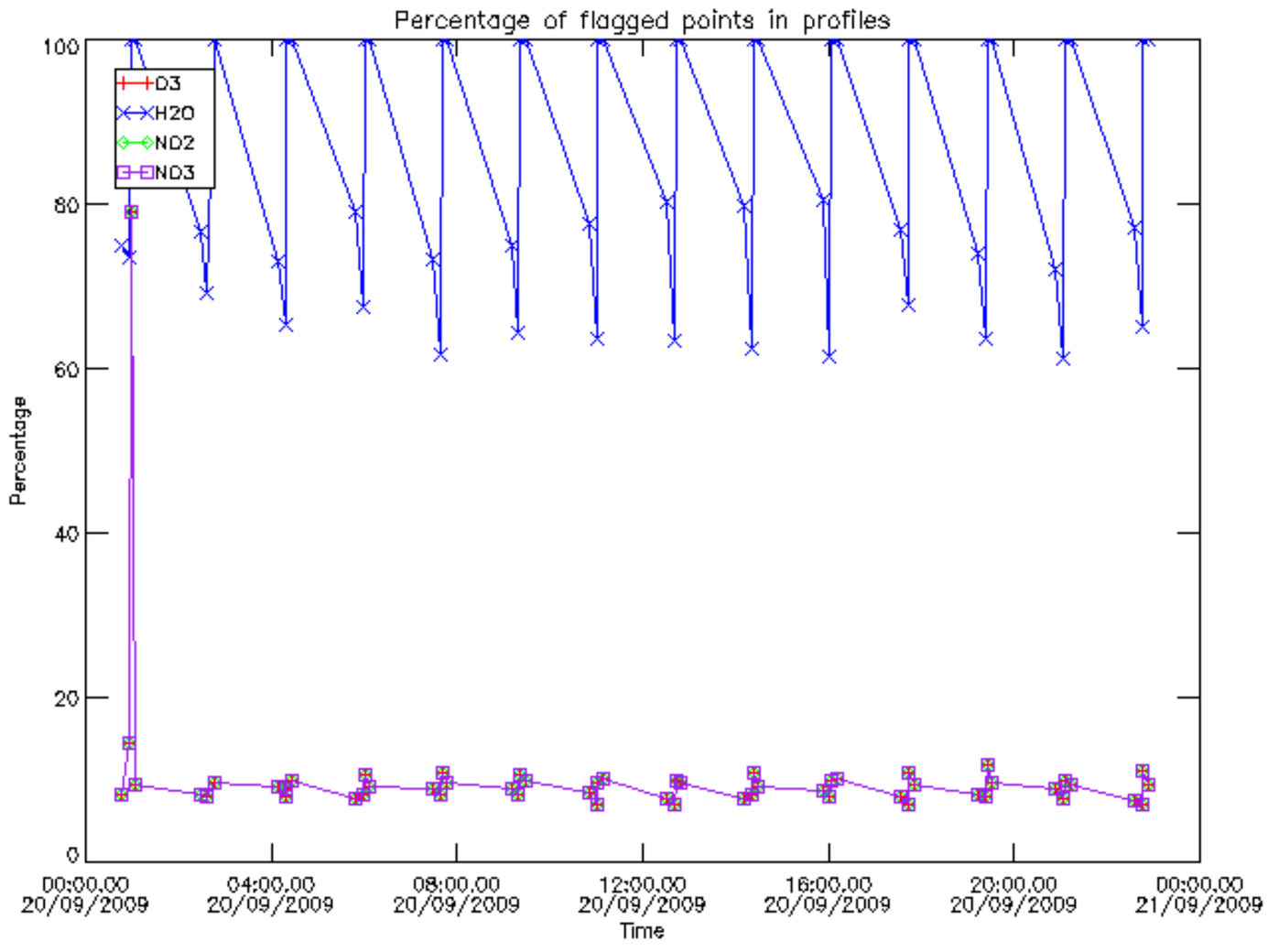

Zoom
Tangent altitude (m)
1×10⁵
8×10⁴
6×10⁴
4×10⁴
2×10⁴
−4×10¹¹
−2×10¹¹
0
2×10¹¹
4×10¹¹
6×10¹¹
NO2 (cm−3)


NO3 profiles
0.000
−10.00
−20.00
−30.00
−40.00
−50.00
−60.00
−70.00
Tangent altitude (m)
6×10⁴
5×10⁴
4×10⁴
3×10⁴
2×10⁴
1×10⁴
0
0
1×10¹²
2×10¹²
3×10¹²
4×10¹²
5×10¹²
NO3 (cm−3)

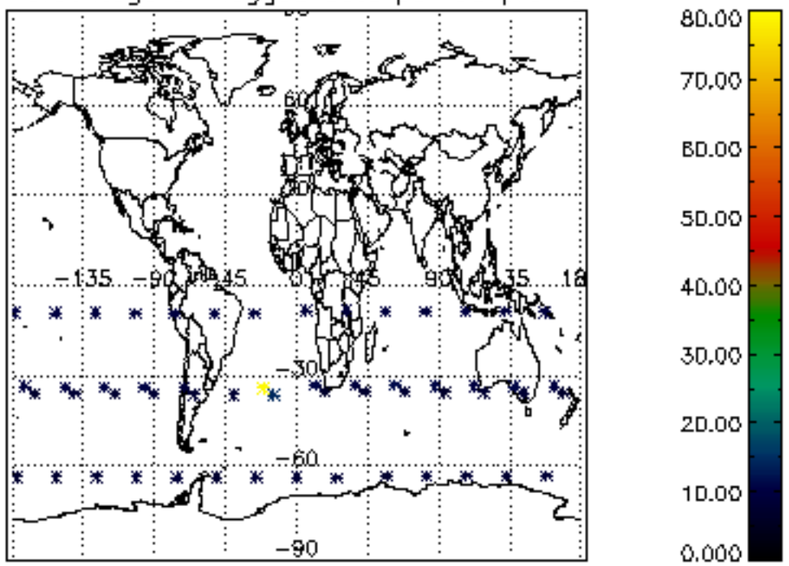

Zoom
Tangent altitude (m)
1×10⁵
8×10⁴
6×10⁴
4×10⁴
2×10⁴
−1.0×10⁹
−5.0×10⁸
0
5.0×10⁸
1.0×10⁹
1.5×10⁹
NO3 (cm−3)


H2O profiles
−33.40
−33.50
−33.60
−33.70
−33.80
−33.90
−34.00
6×10⁴
5×10⁴
4×10⁴
3×10⁴
2×10⁴
1×10⁴
0
Tangent altitude (m)
−1×10¹⁶
−5×10¹⁵
0
5×10¹⁵
1×10¹⁶
H2O (cm−3)

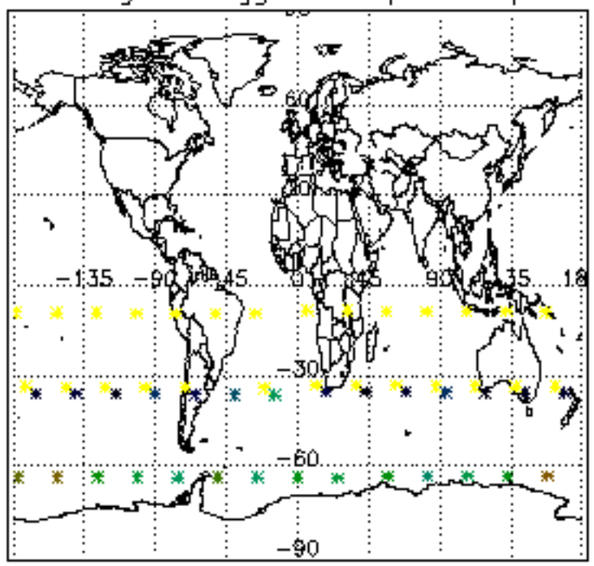

Zoom
1×10⁵
8×10⁴
6×10⁴
4×10⁴
2×10⁴
Tangent altitude (m)
0
2×10¹⁴
4×10¹⁴
6×10¹⁴
8×10¹⁴
1×10¹⁵
H2O (cm−3)

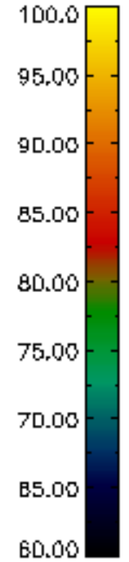

Percentage of flagged points in profiles
O3
H2O
NO2
NO3
100
80
60
40
20
0
Percentage
00:00.00
20/09/2009
04:00.00
20/09/2009
08:00.00
20/09/2009
12:00.00
20/09/2009
16:00.00
20/09/2009
20:00.00
20/09/2009
00:00.00
21/09/2009
Time

Percentage of flagged data per O3 profile

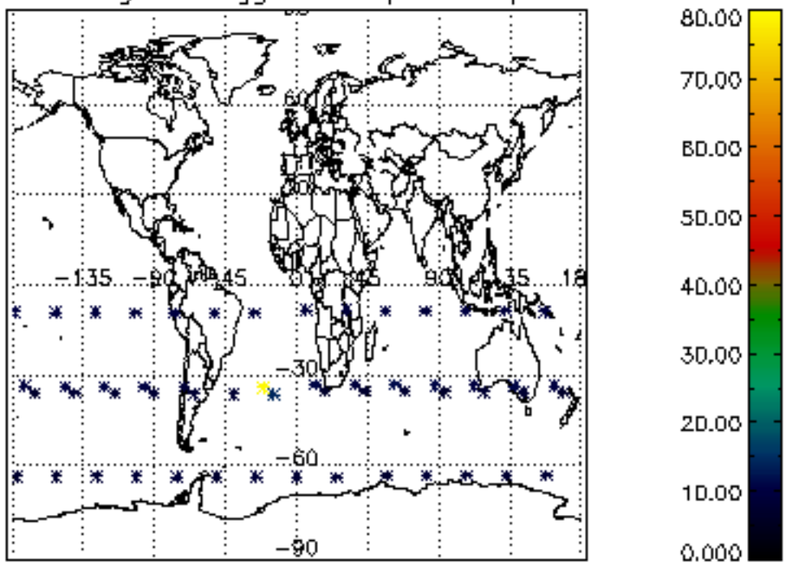


Percentage of flagged data per H2O profile

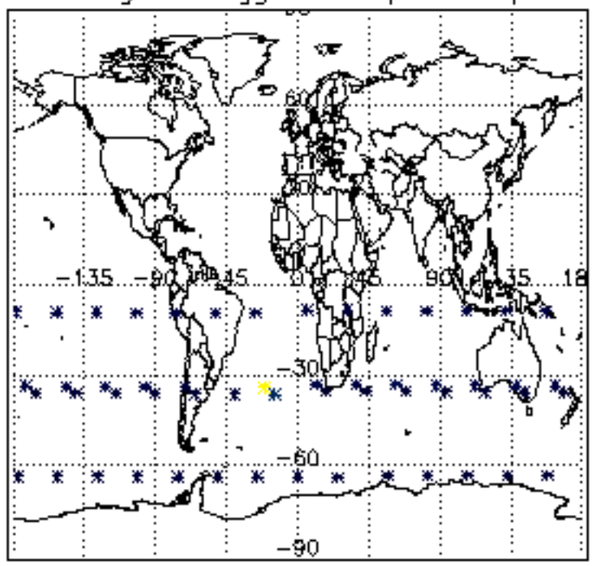


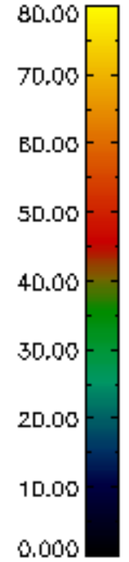


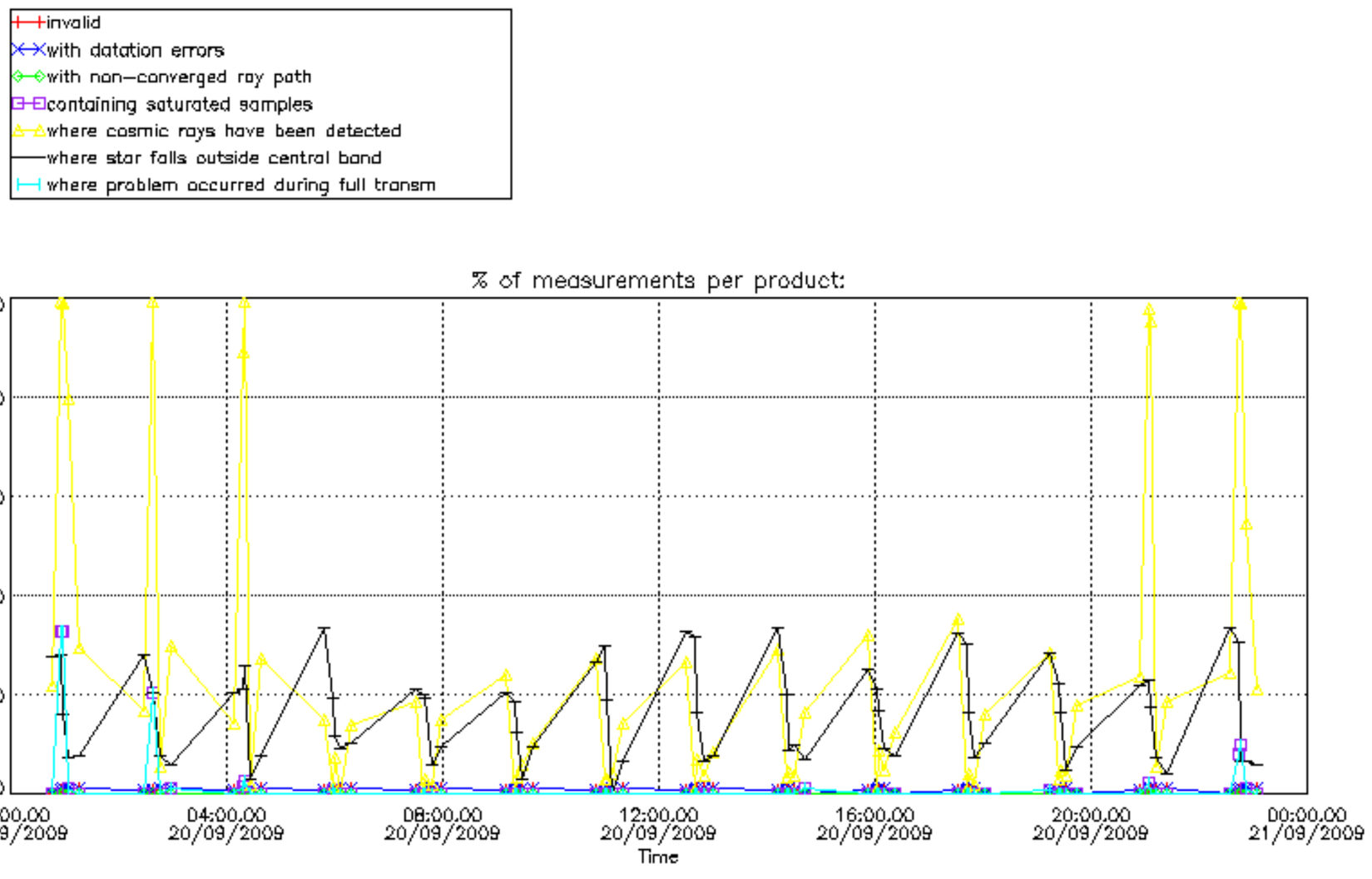
Percentage of flagged data per NO2 profile

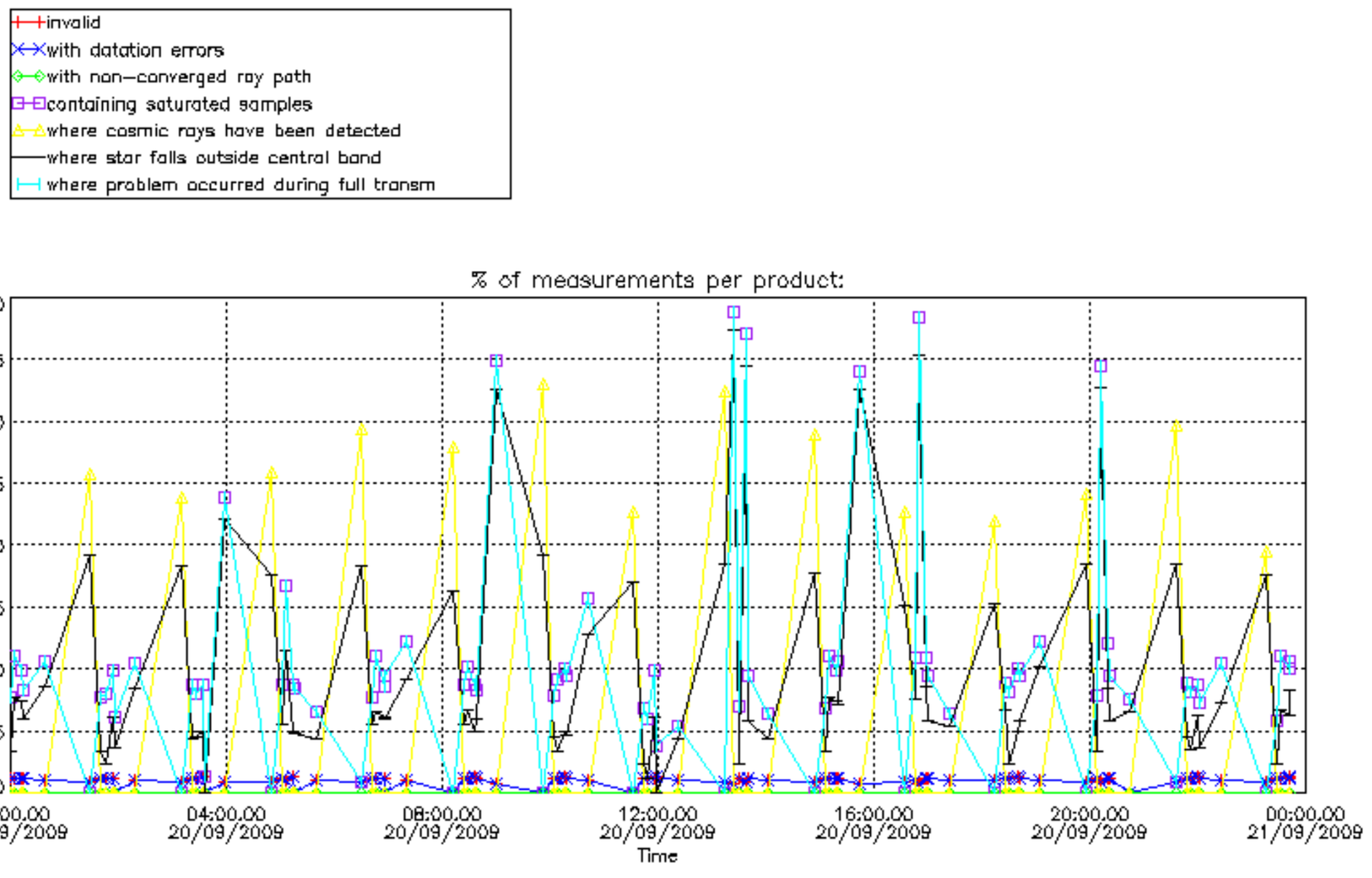


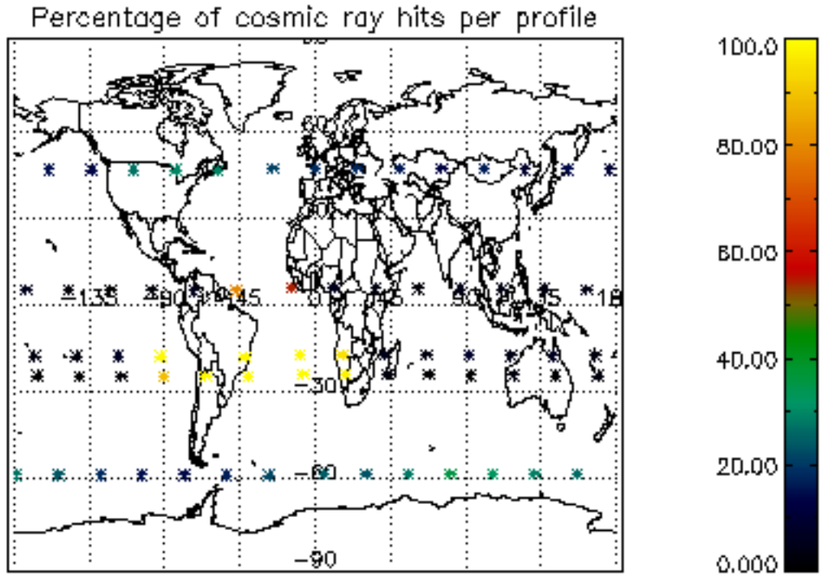
Percentage of flagged data per NO3 profile

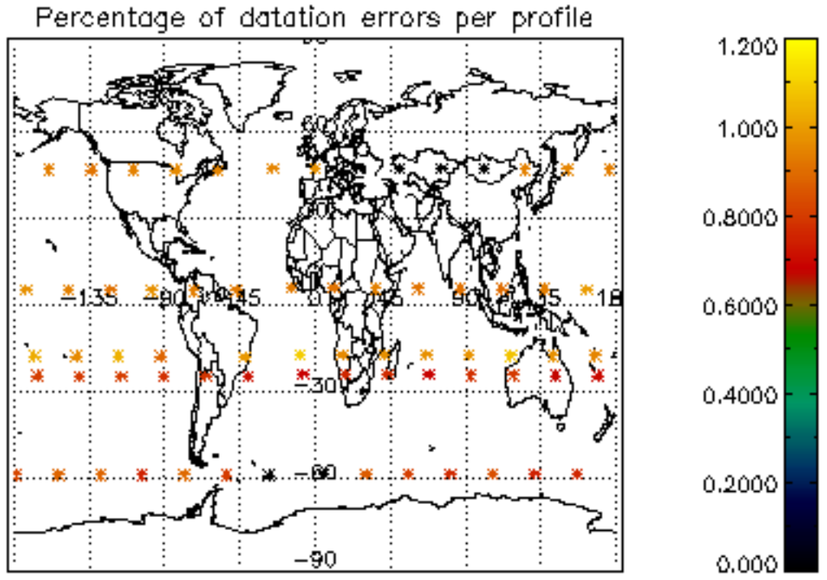


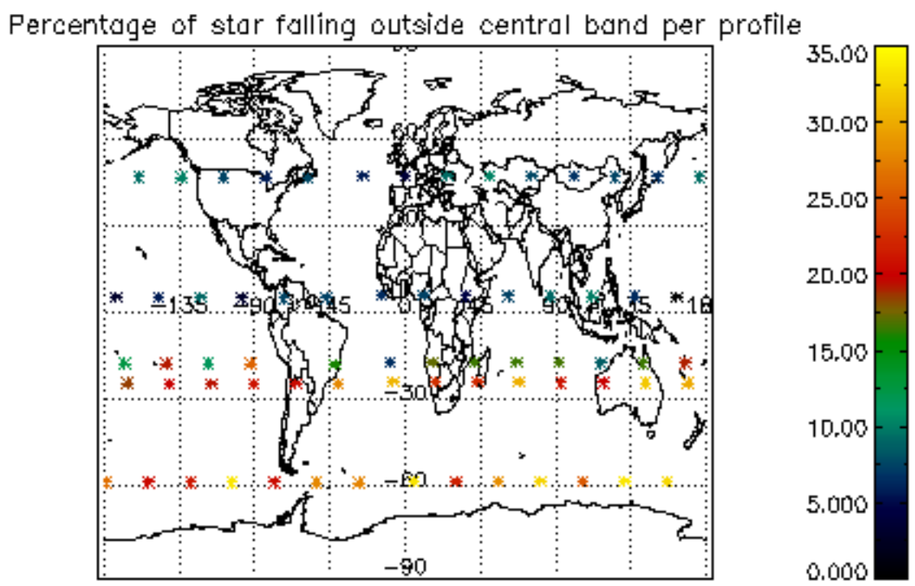


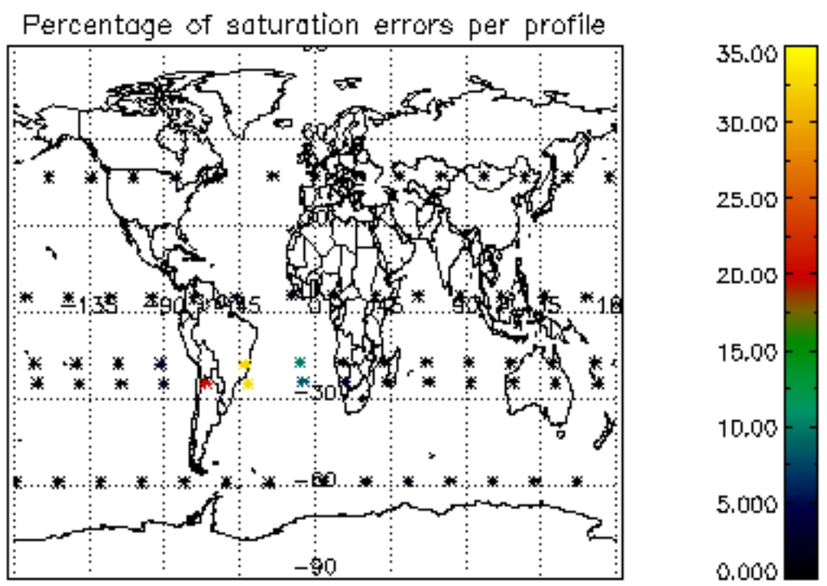

invalid
with datation errors
with non-converged ray path
containing saturated samples
where cosmic rays have been detected
where star falls outside central band
where problem occurred during full transm
% of measurements per product:
100
80
60
40
20
0
value (%)
00:00.00
20/09/2009
04:00.00
20/09/2009
08:00.00
20/09/2009
12:00.00
20/09/2009
16:00.00
20/09/2009
20:00.00
20/09/2009
00:00.00
21/09/2009
Time


invalid
with datation errors
with non-converged ray path
containing saturated samples
where cosmic rays have been detected
where star falls outside central band
where problem occurred during full transm
% of measurements per product:
value (%)
40
35
30
25
20
15
10
5
0
00:00.00 20/09/2009
04:00.00 20/09/2009
08:00.00 20/09/2009
12:00.00 20/09/2009
16:00.00 20/09/2009
20:00.00 20/09/2009
00:00.00 21/09/2009
Time

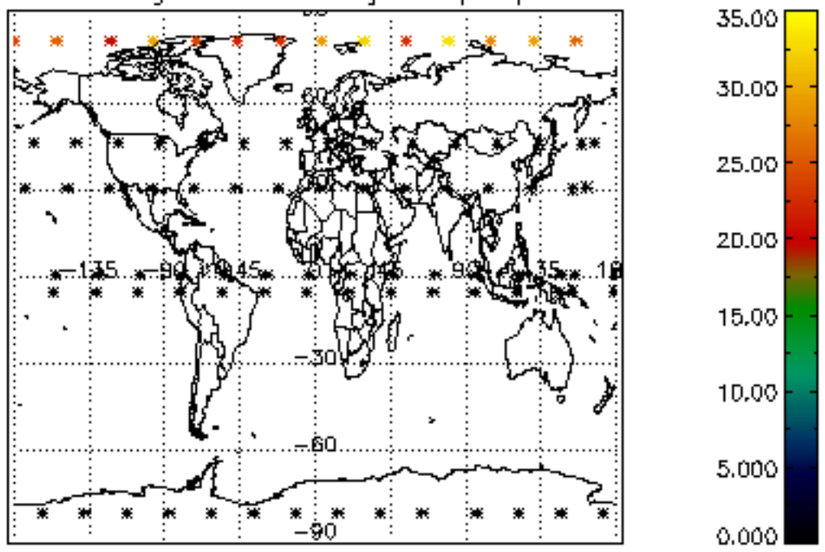

Percentage of cosmic ray hits per profile
100.0
80.00
60.00
40.00
20.00
0.000
−135
−90
−45
0
45
90
135
180
−30
−60
−90


Percentage of datation errors per profile
1.200
1.000
0.8000
0.6000
0.4000
0.2000
0.000
−135
−90
−45
0
45
90
135
180
−30
−60
−90

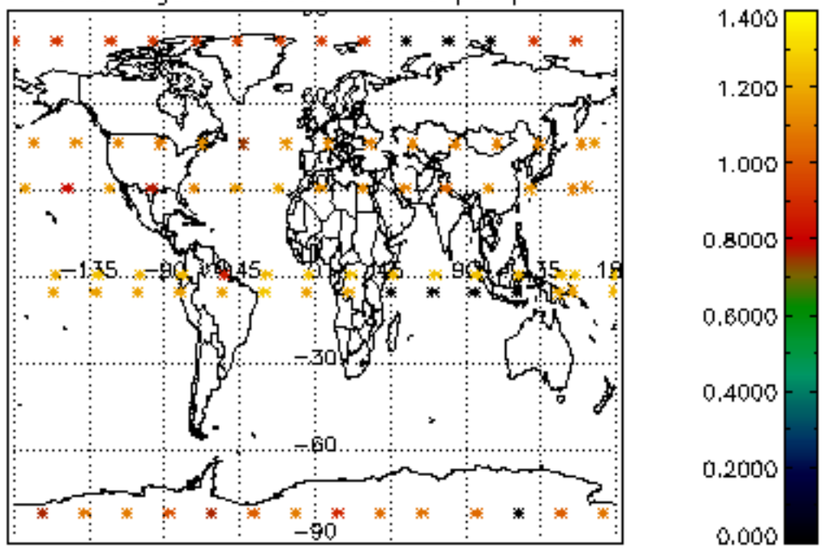

Percentage of star falling outside central band per profile
35.00
30.00
25.00
20.00
15.00
10.00
5.000
0.000
−135
−90
−45
0
45
90
135
180
−30
−60
−90


Percentage of saturation errors per profile
35.00
30.00
25.00
20.00
15.00
10.00
5.000
0.000
−135
−90
−45
0
45
90
135
180
−30
−60
−90

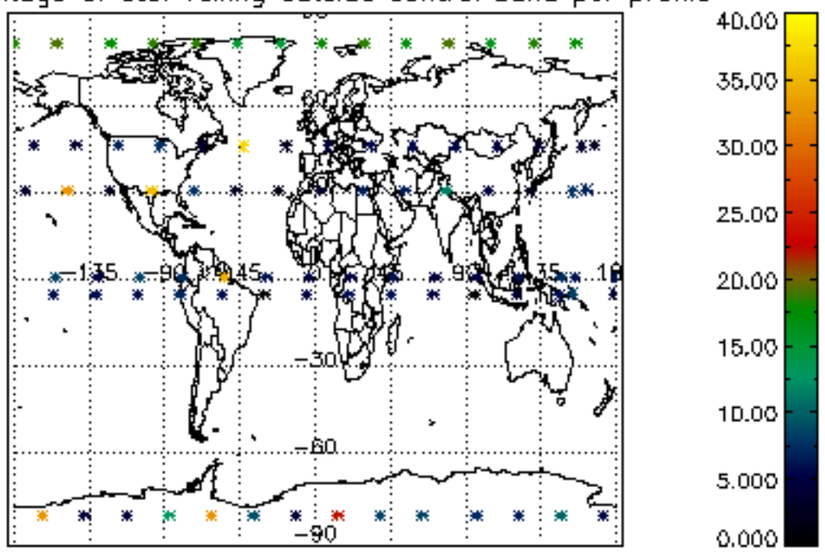
Percentage of cosmic ray hits per profile



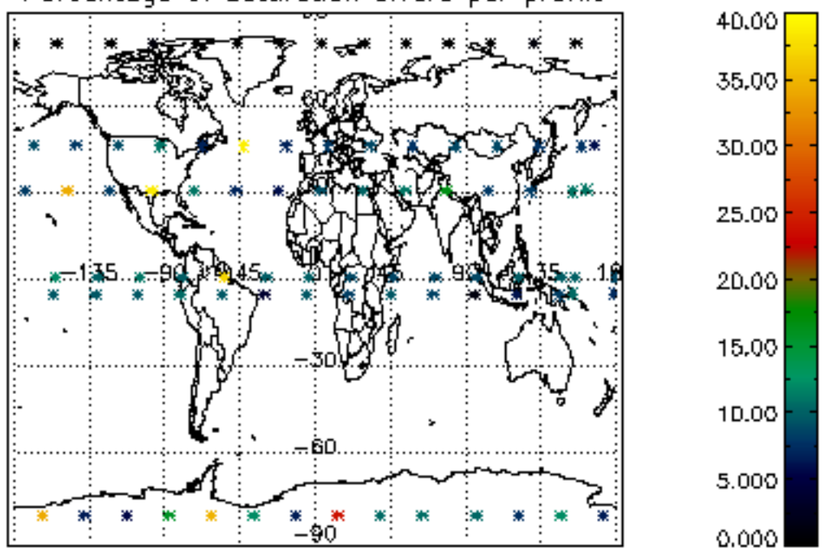
Percentage of datation errors per profile

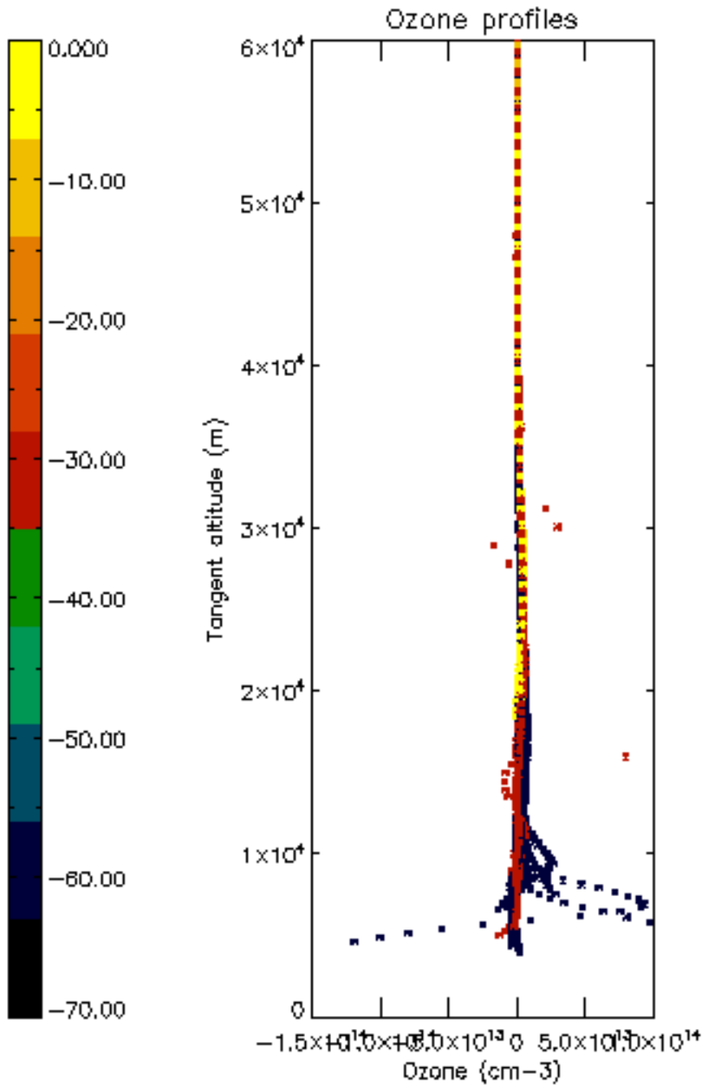


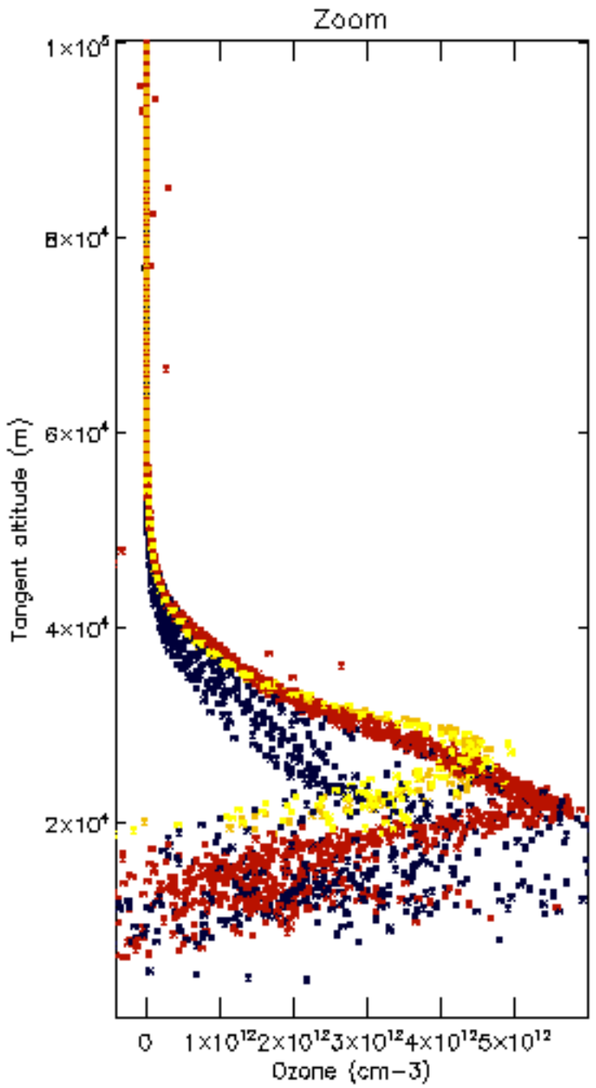
Percentage of star falling outside central band per profile

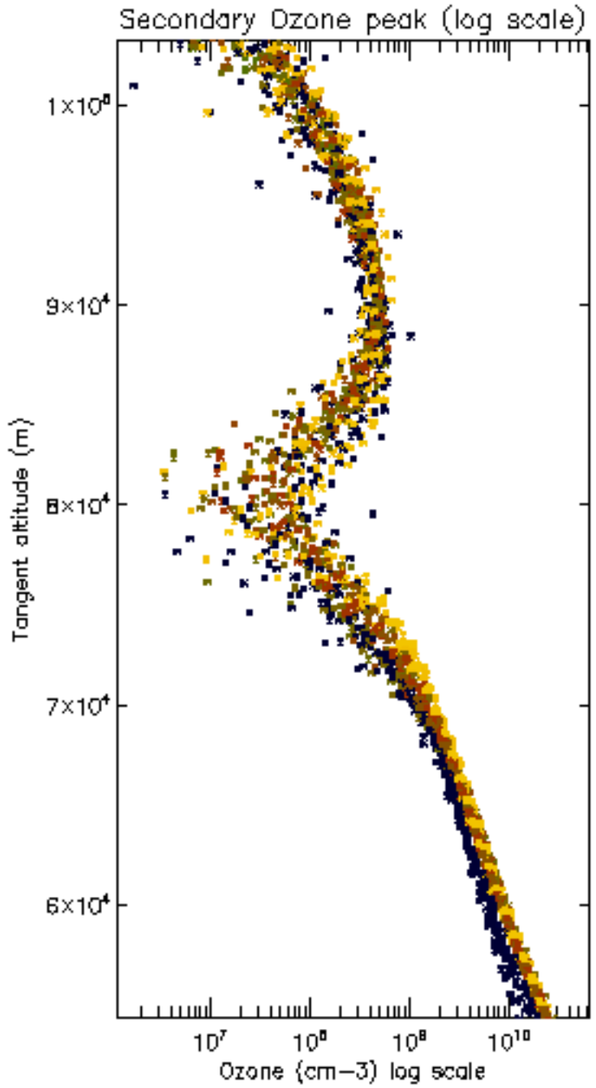


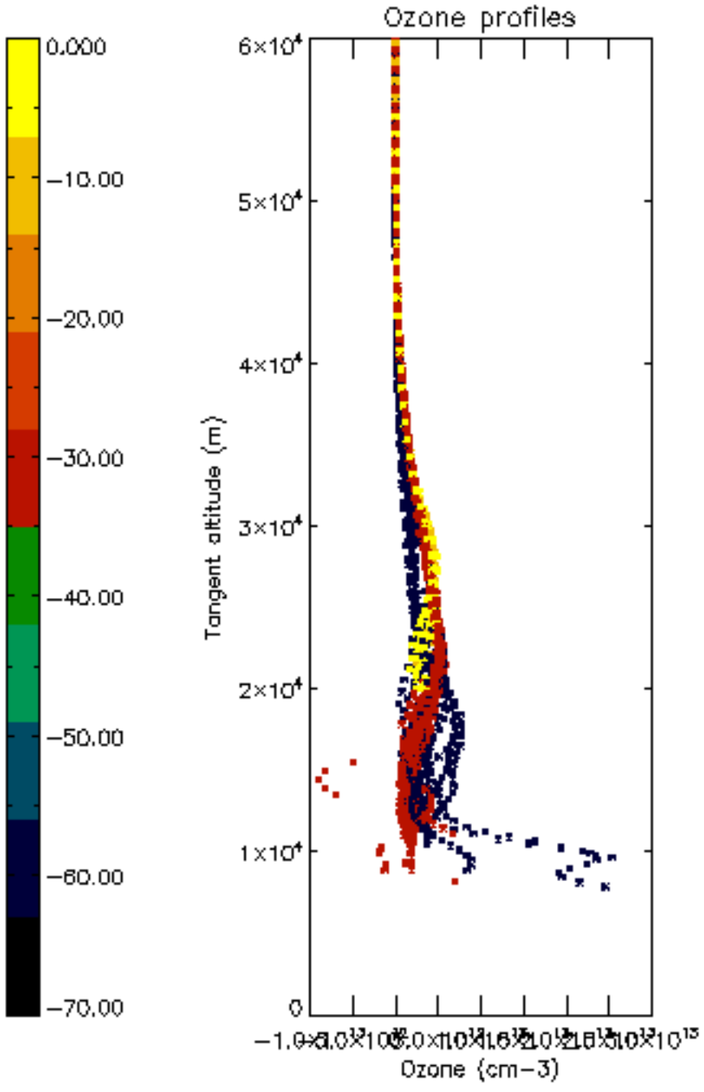
Percentage of saturation errors per profile

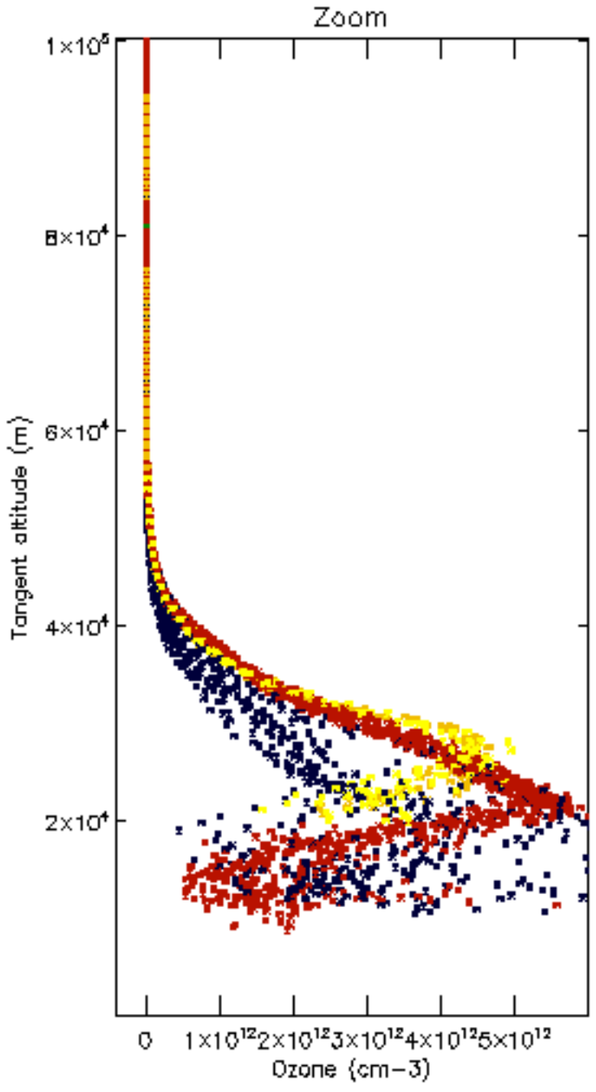


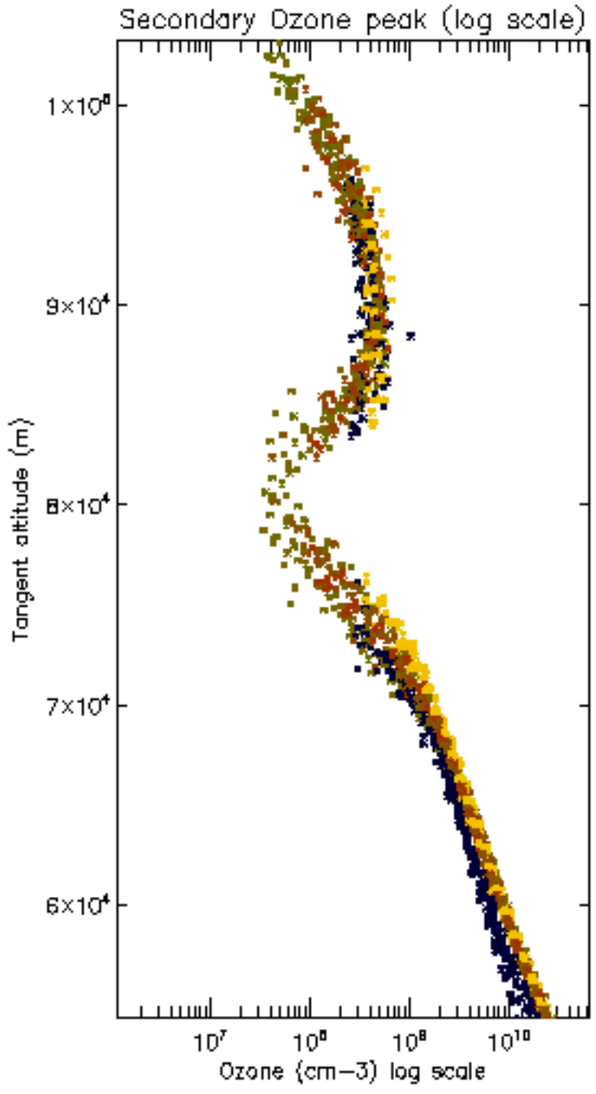

Ozone profiles
0.000
−10.00
−20.00
−30.00
−40.00
−50.00
−60.00
−70.00
6×10⁴
5×10⁴
4×10⁴
3×10⁴
2×10⁴
1×10⁴
0
Tangent altitude (m)
−1.5×10¹³ −1.0×10¹³ −5.0×10¹² 0 5.0×10¹² 1.0×10¹³ 1.5×10¹⁴
Ozone (cm−3)

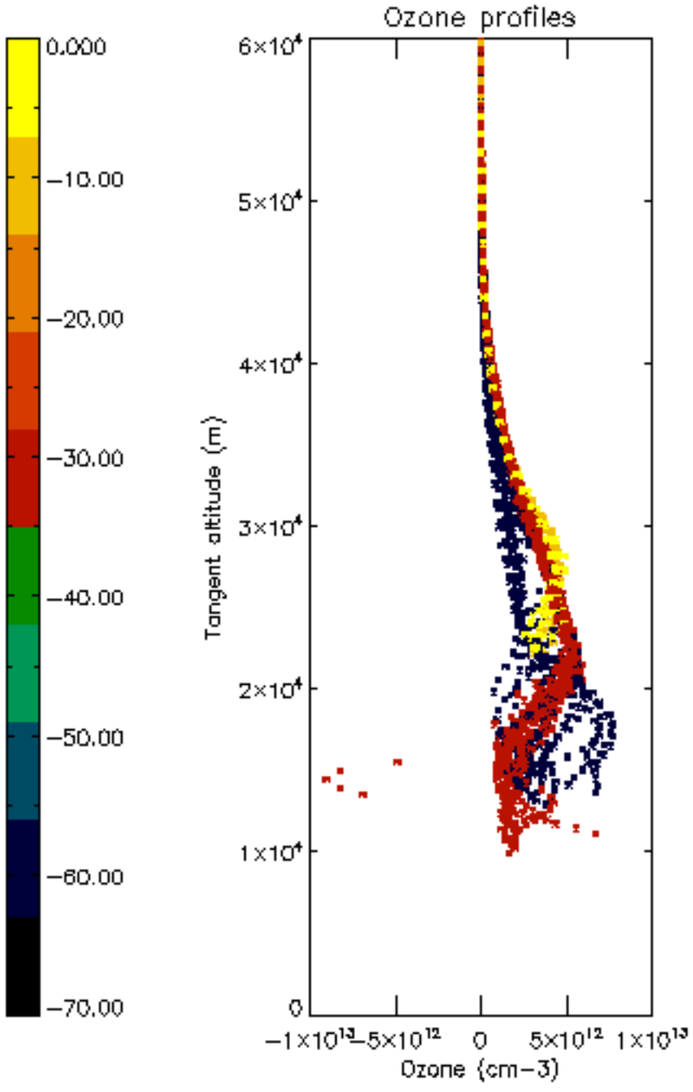

Zoom
1×10⁵
8×10⁴
6×10⁴
4×10⁴
2×10⁴
Tangent altitude (m)
0 1×10¹² 2×10¹² 3×10¹² 4×10¹² 5×10¹²
Ozone (cm−3)


Secondary Ozone peak (log scale)
1×10⁵
9×10⁴
8×10⁴
7×10⁴
6×10⁴
Tangent altitude (m)
10⁷ 10⁸ 10⁹ 10¹⁰
Ozone (cm−3) log scale


0.000
−10.00
−20.00
−30.00
−40.00
−50.00
−60.00
−70.00
Ozone profiles
6×10⁴
5×10⁴
4×10⁴
3×10⁴
2×10⁴
1×10⁴
0
Tangent altitude (m)
Ozone (cm−3)

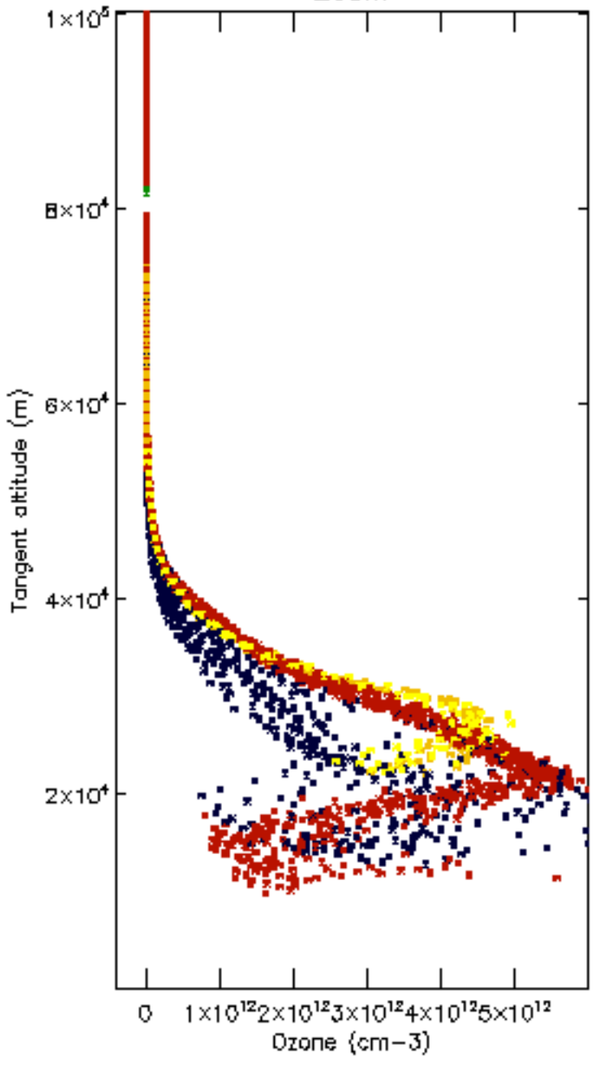

Zoom
1×10⁵
8×10⁴
6×10⁴
4×10⁴
2×10⁴
Tangent altitude (m)
0
1×10¹²
2×10¹²
3×10¹²
4×10¹²
5×10¹²
Ozone (cm−3)


Secondary Ozone peak (log scale)
1×10⁵
9×10⁴
8×10⁴
7×10⁴
6×10⁴
Tangent altitude (m)
10⁷
10⁸
10⁹
10¹⁰
Ozone (cm−3) log scale

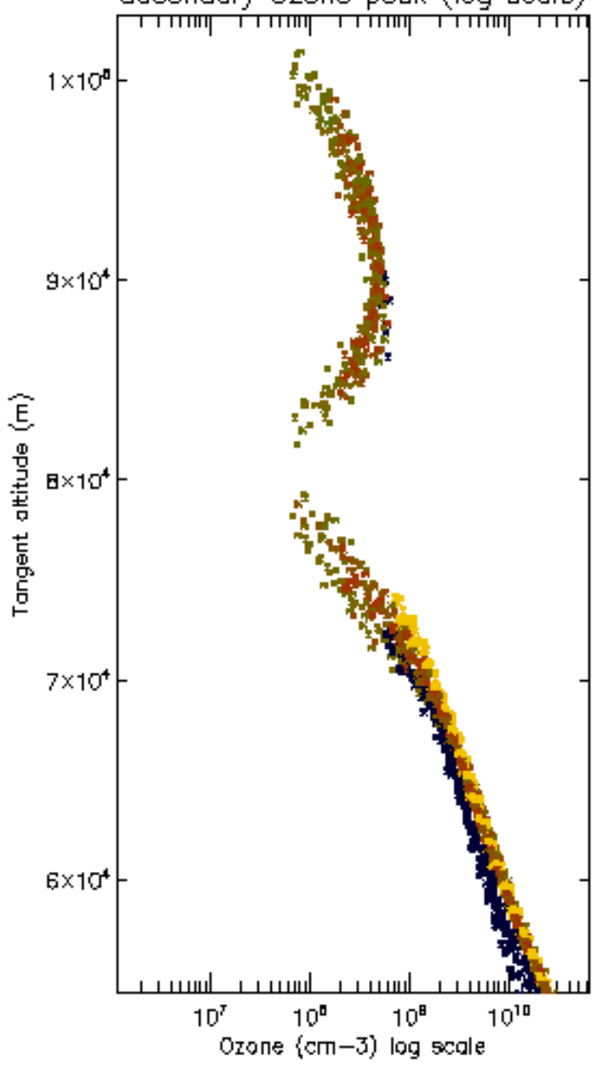


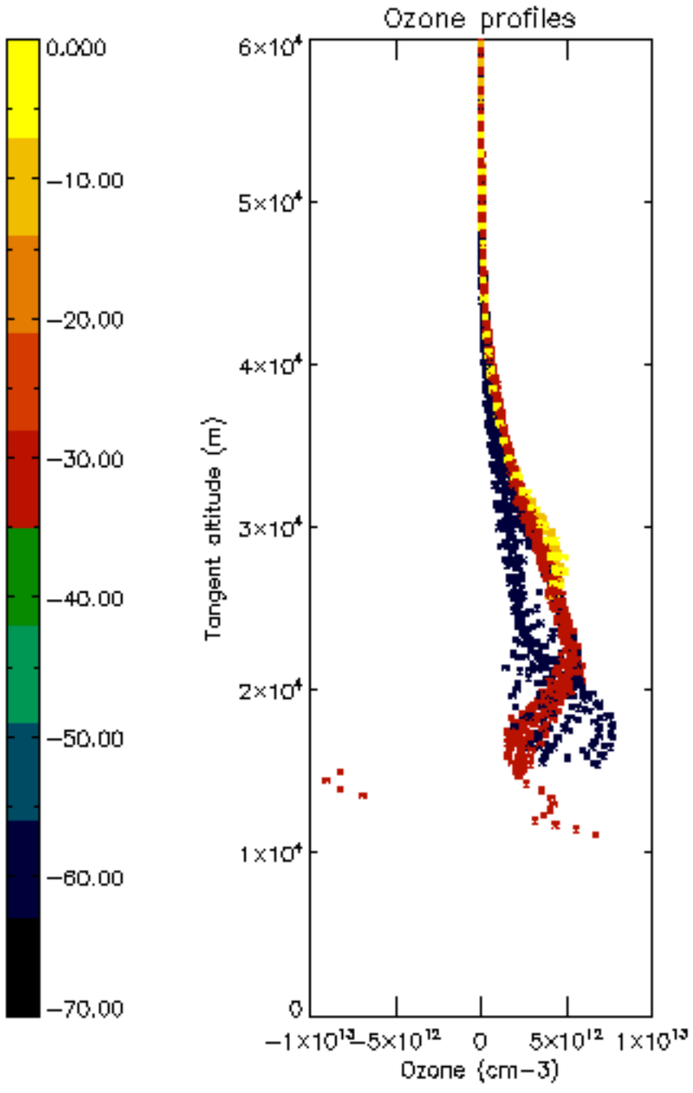
Ozone profiles

Zoom



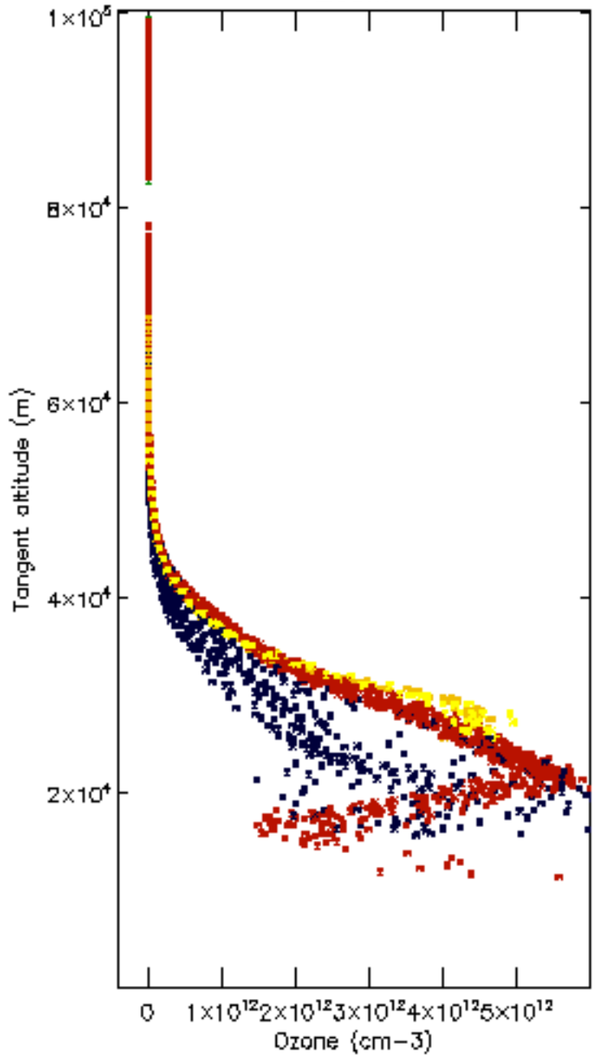
Secondary Ozone peak (log scale)



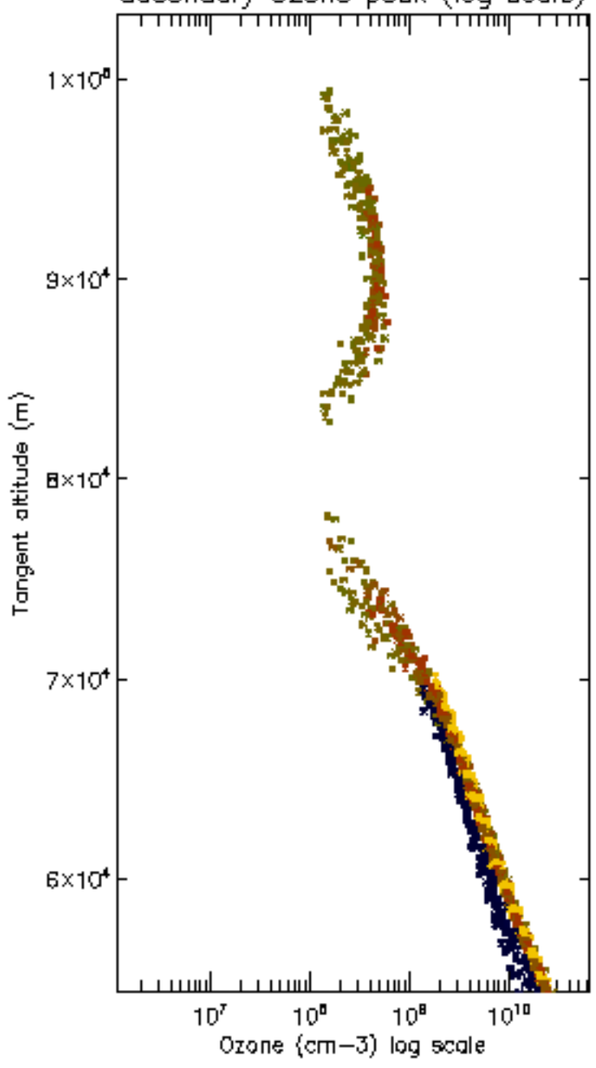


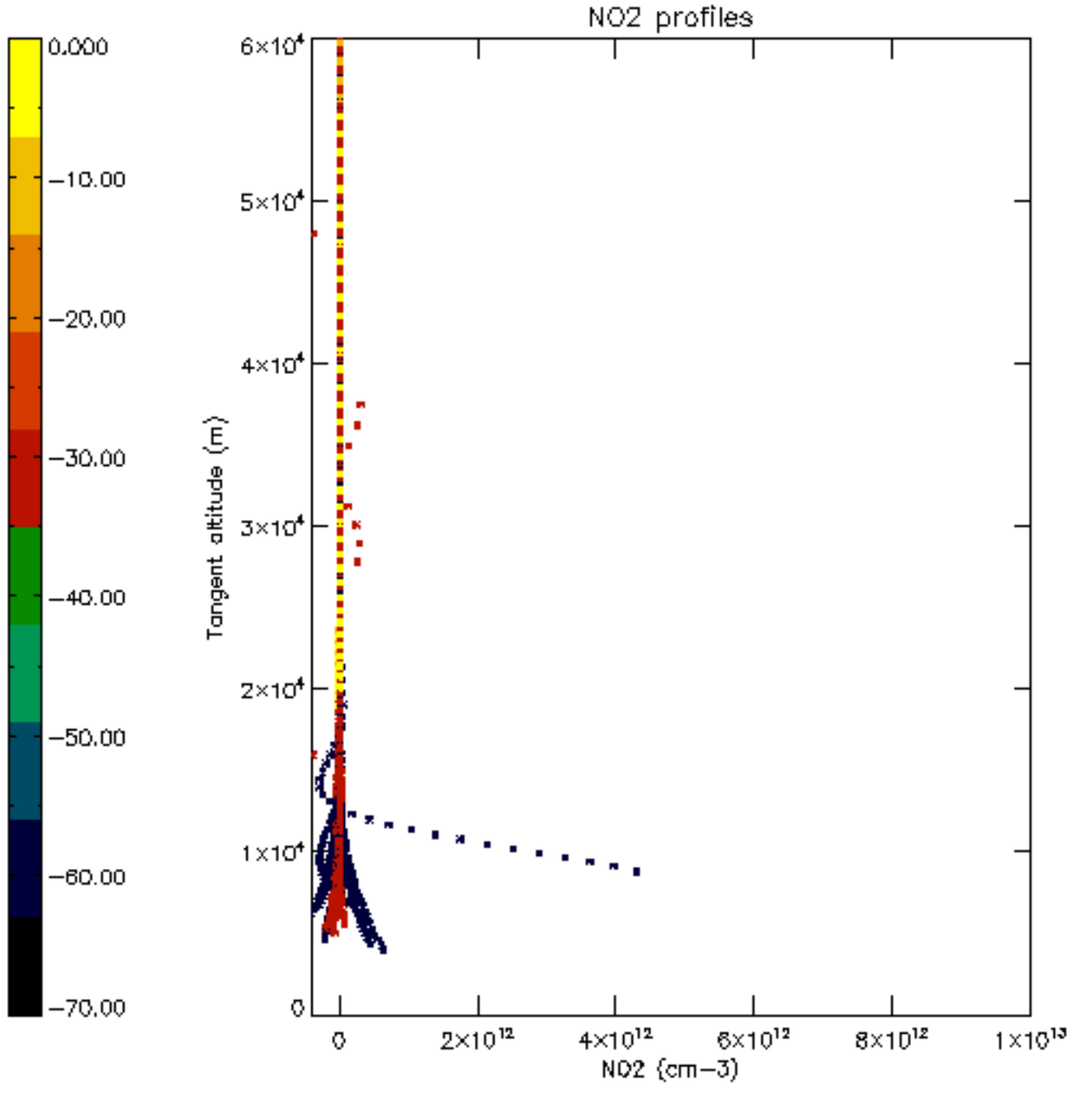
Ozone profiles

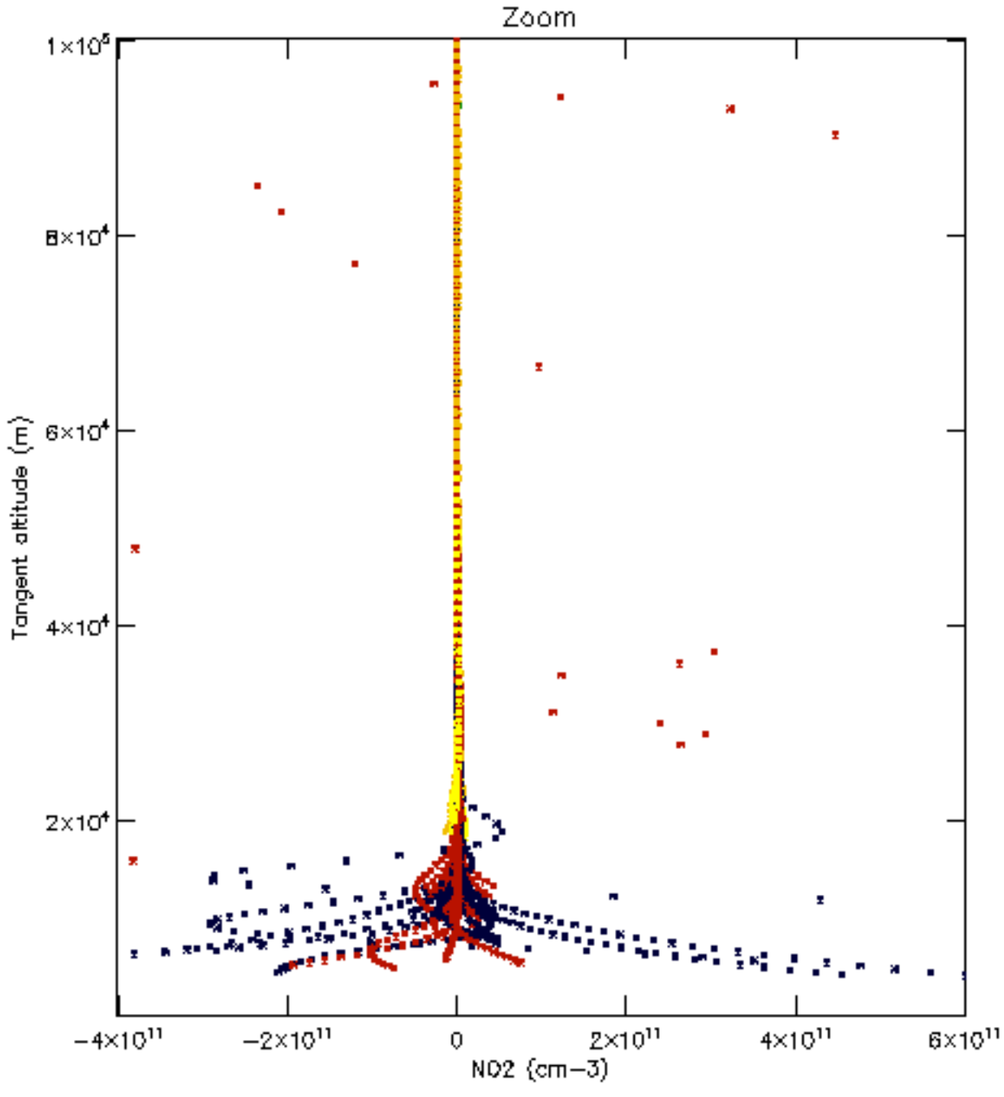
Zoom

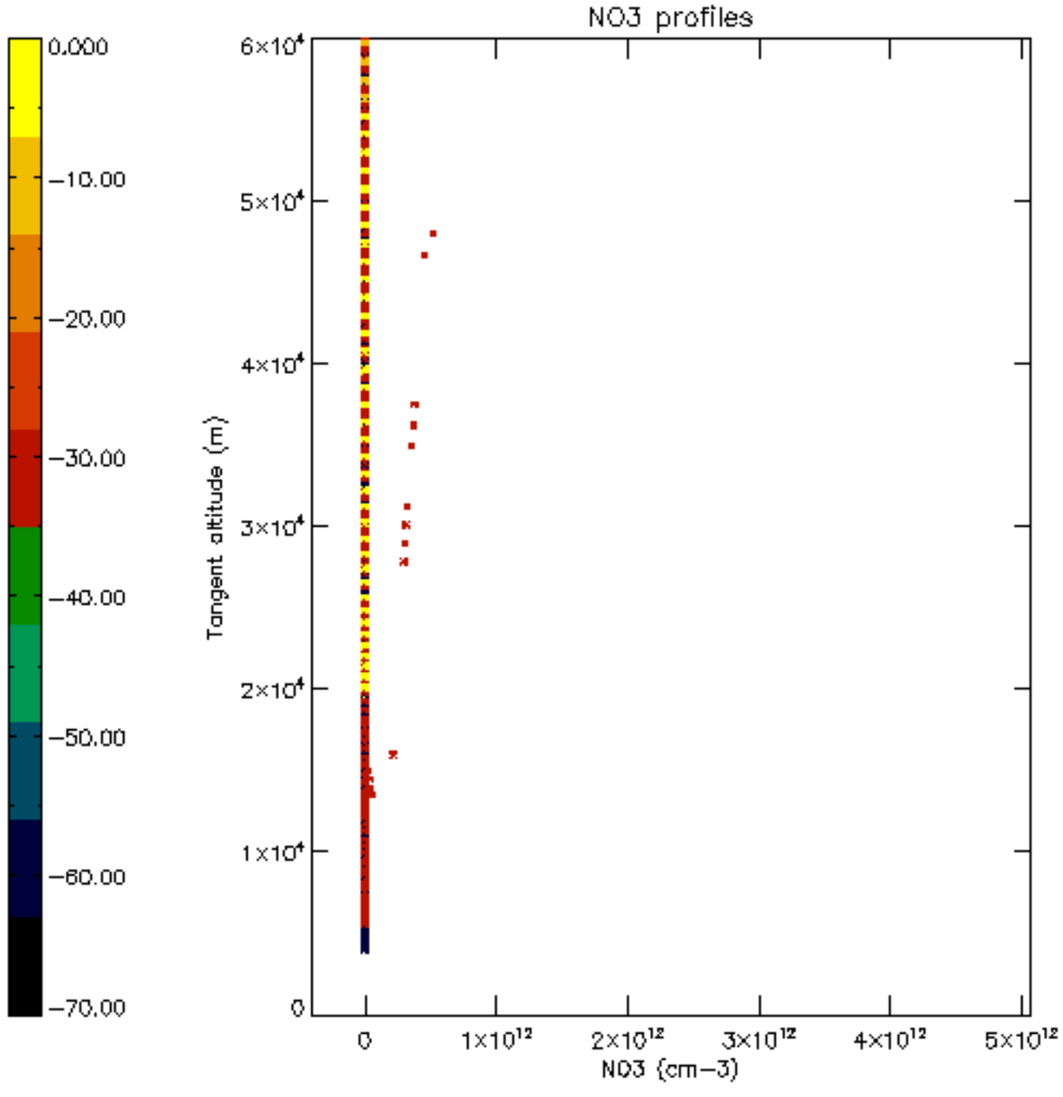


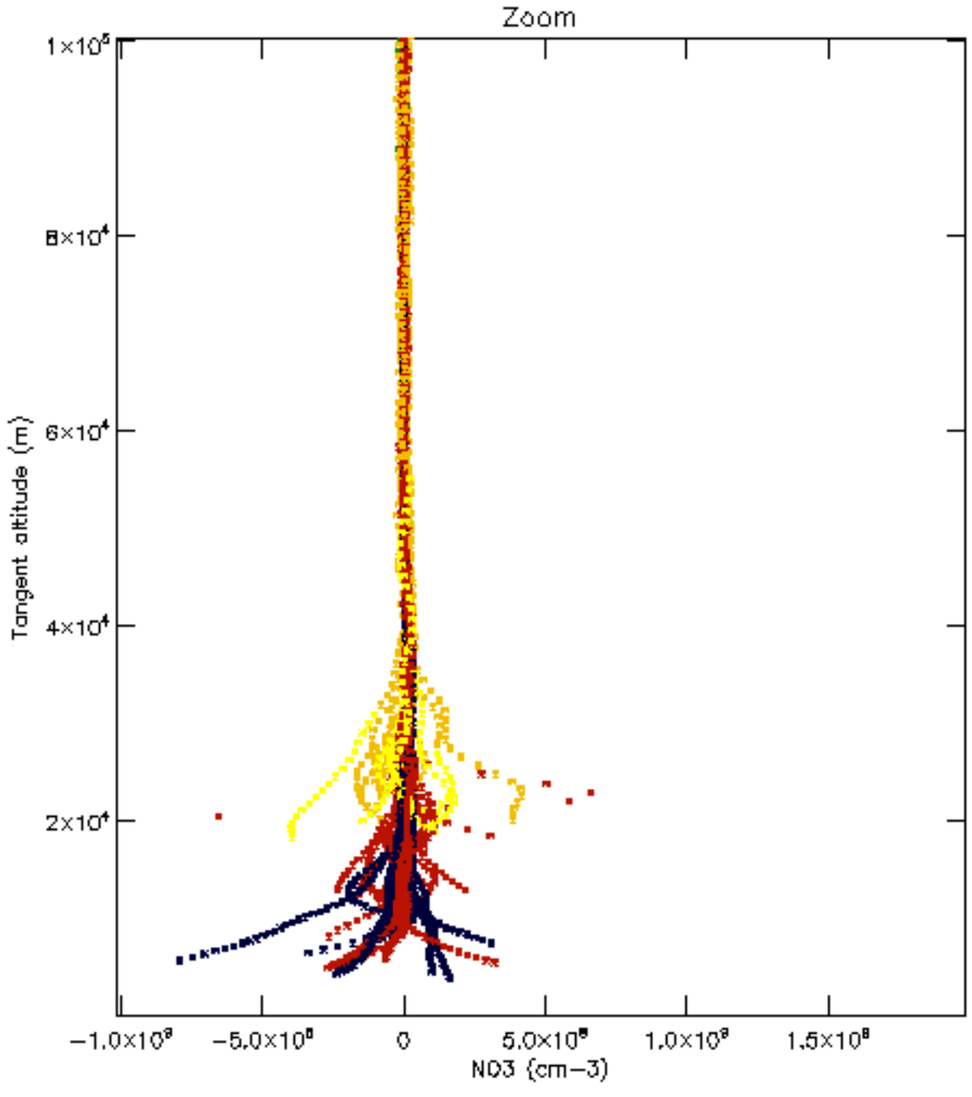
Secondary Ozone peak (log scale)

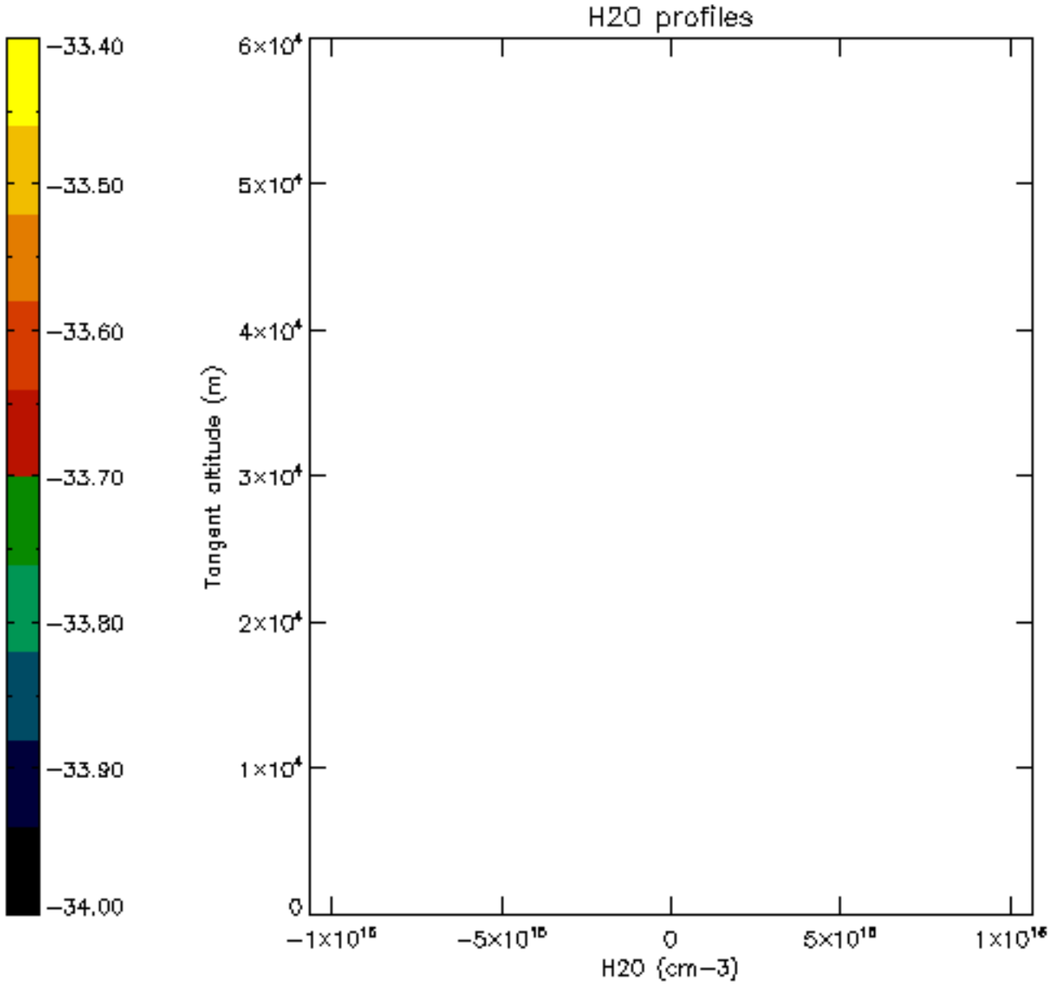


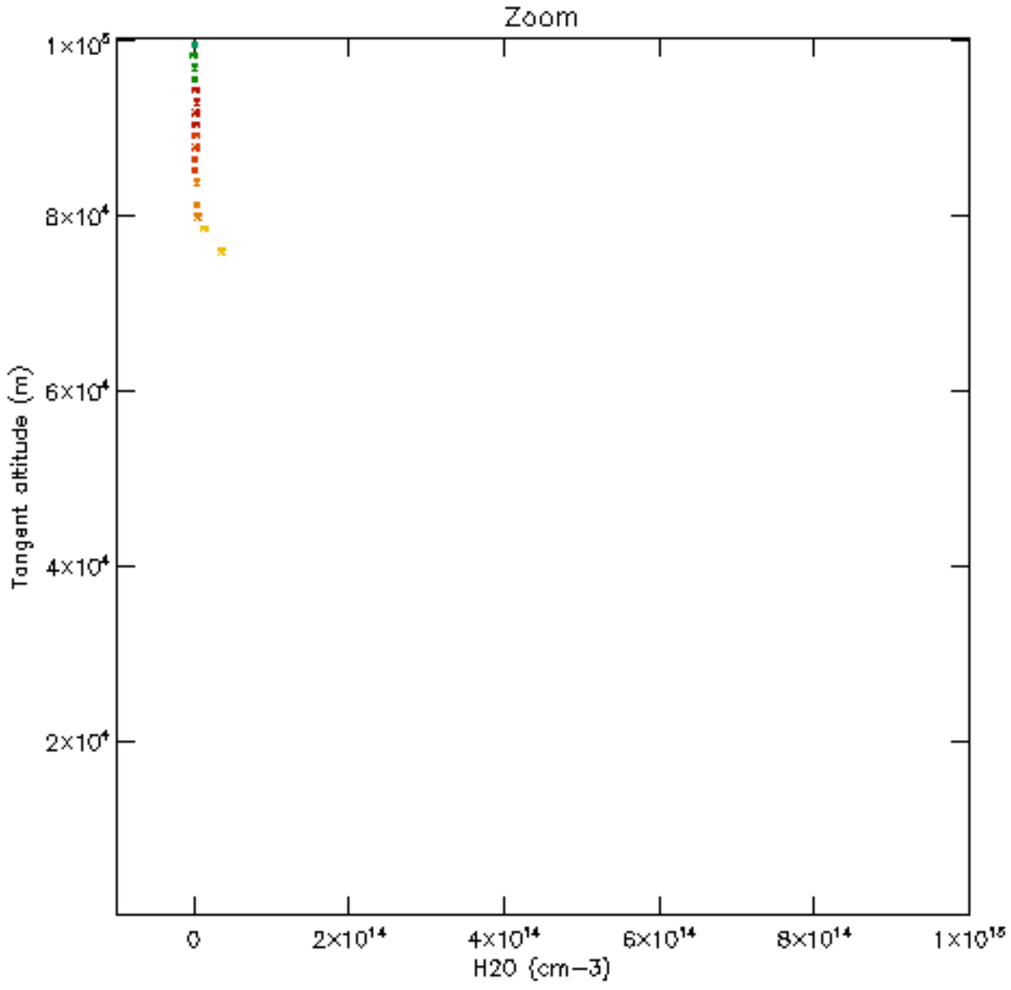

NO2 profiles
0.000
−10.00
−20.00
−30.00
−40.00
−50.00
−60.00
−70.00
Tangent altitude (m)
6×10⁴
5×10⁴
4×10⁴
3×10⁴
2×10⁴
1×10⁴
0
0
2×10¹²
4×10¹²
6×10¹²
8×10¹²
1×10¹³
NO2 (cm−3)


Zoom
Tangent altitude (m)
1×10⁵
8×10⁴
6×10⁴
4×10⁴
2×10⁴
−4×10¹¹
−2×10¹¹
0
2×10¹¹
4×10¹¹
6×10¹¹
NO2 (cm−3)


NO3 profiles
0.000
−10.00
−20.00
−30.00
−40.00
−50.00
−60.00
−70.00
Tangent altitude (m)
6×10⁴
5×10⁴
4×10⁴
3×10⁴
2×10⁴
1×10⁴
0
0
1×10¹²
2×10¹²
3×10¹²
4×10¹²
5×10¹²
NO3 (cm−3)


Zoom
Tangent altitude (m)
1×10⁵
8×10⁴
6×10⁴
4×10⁴
2×10⁴
−1.0×10⁹
−5.0×10⁸
0
5.0×10⁸
1.0×10⁹
1.5×10⁹
NO3 (cm−3)


H2O profiles
−33.40
−33.50
−33.60
−33.70
−33.80
−33.90
−34.00
6×10⁴
5×10⁴
4×10⁴
3×10⁴
2×10⁴
1×10⁴
0
Tangent altitude (m)
−1×10¹⁶
−5×10¹⁵
0
5×10¹⁵
1×10¹⁶
H2O (cm−3)


Zoom
1×10⁵
8×10⁴
6×10⁴
4×10⁴
2×10⁴
Tangent altitude (m)
0
2×10¹⁴
4×10¹⁴
6×10¹⁴
8×10¹⁴
1×10¹⁵
H2O (cm−3)