

GOMOS Level 2 Daily Report

SUMMARY

[1. General Info](#)

[2. Summary of processed GOM_NL_2P products](#)

[3. Level 2 Quality information per product](#)

[3.1 Plot of level 2 quality information per product \(time dependant\)](#)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

This report presents the daily analysis on parameters extracted from GOMOS level 2 data (GOM_NL__2P). It is intended to monitor some important parameters that will impact the quality of these products. A list of level 2 products (and content) that have arrived during the reporting day to the PCF is also given.

Item	Value
Time of report generation	18APR2013 14:12:56
Data source version	GOMOS/6.01
Start time of products	24-03-2012 (24MAR2012 00:00:00)
Stop time of products	25-03-2012 (25MAR2012 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	29
Nb of prods with errors	0

2. Summary of processed GOM_NL__2P products.

!Warning: No products without errors in DARK limb conditions found

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20120324_002230_000000363113_00045_52645_9017.N1	24-MAR-2012 00:22:30	Bright	36.000	82	48Bet UMa	2.3650	10600.	72	52645	No
2	GOM_NL__2PRFIN20120324_002401_000000393113_00045_52645_9018.N1	24-MAR-2012 00:24:01	Bright	38.500	36	50Alp UMa	1.8000	6300.0	77	52645	No
3	GOM_NL__2PRFIN20120324_020243_000000383113_00046_52646_9029.N1	24-MAR-2012 02:02:43	Bright	37.500	82	48Bet UMa	2.3650	10600.	75	52646	No
4	GOM_NL__2PRFIN20120324_020415_000000393113_00046_52646_9030.N1	24-MAR-2012 02:04:15	Bright	39.000	36	50Alp UMa	1.8000	6300.0	78	52646	No
5	GOM_NL__2PRFIN20120324_034257_000000373113_00047_52647_9059.N1	24-MAR-2012 03:42:57	Bright	37.000	82	48Bet UMa	2.3650	10600.	74	52647	No
6	GOM_NL__2PRFIN20120324_034428_000000383113_00047_52647_9060.N1	24-MAR-2012 03:44:28	Bright	37.500	36	50Alp UMa	1.8000	6300.0	75	52647	No
7	GOM_NL__2PRFIN20120324_052311_000000373113_00048_52648_9074.N1	24-MAR-2012 05:23:11	Bright	37.000	82	48Bet UMa	2.3650	10600.	74	52648	No
8	GOM_NL__2PRFIN20120324_052442_000000383113_00048_52648_9075.N1	24-MAR-2012 05:24:42	Bright	37.500	36	50Alp UMa	1.8000	6300.0	75	52648	No
9	GOM_NL__2PRFIN20120324_070325_000000373113_00049_52649_9083.N1	24-MAR-2012 07:03:25	Bright	37.000	82	48Bet UMa	2.3650	10600.	74	52649	No
10	GOM_NL__2PRFIN20120324_070456_000000373113_00049_52649_9084.N1	24-MAR-2012 07:04:56	Bright	37.000	36	50Alp UMa	1.8000	6300.0	74	52649	No
11	GOM_NL__2PRFIN20120324_084339_000000373113_00050_52650_9114.N1	24-MAR-2012 08:43:39	Bright	37.000	82	48Bet UMa	2.3650	10600.	74	52650	No
12	GOM_NL__2PRFIN20120324_084510_000000383113_00050_52650_9115.N1	24-MAR-2012 08:45:10	Bright	37.500	36	50Alp UMa	1.8000	6300.0	75	52650	No
13	GOM_NL__2PRFIN20120324_102353_000000363113_00051_52651_9166.N1	24-MAR-2012 10:23:53	Bright	35.500	82	48Bet UMa	2.3650	10600.	71	52651	No
14	GOM_NL__2PRFIN20120324_102524_000000373113_00051_52651_9167.N1	24-MAR-2012 10:25:24	Bright	37.000	36	50Alp UMa	1.8000	6300.0	74	52651	No
15	GOM_NL__2PRFIN20120324_120406_000000543113_00052_52652_9239.N1	24-MAR-2012 12:04:06	Bright	54.000	82	48Bet UMa	2.3650	10600.	108	52652	No
16	GOM_NL__2PRFIN20120324_120537_000000393113_00052_52652_9240.N1	24-MAR-2012 12:05:37	Bright	38.500	36	50Alp UMa	1.8000	6300.0	77	52652	No
17	GOM_NL__2PRFIN20120324_134420_000000543113_00053_52653_9270.N1	24-MAR-2012 13:44:20	Bright	54.000	82	48Bet UMa	2.3650	10600.	108	52653	No
18	GOM_NL__2PRFIN20120324_134551_000000413113_00053_52653_9271.N1	24-MAR-2012 13:45:51	Bright	40.500	36	50Alp UMa	1.8000	6300.0	81	52653	No
19	GOM_NL__2PRFIN20120324_152434_000000363113_00054_52654_9304.N1	24-MAR-2012 15:24:34	Bright	36.000	82	48Bet UMa	2.3650	10600.	72	52654	No
20	GOM_NL__2PRFIN20120324_163056_000000253113_00055_52655_9341.N1	24-MAR-2012 16:30:56	Straylight	24.500	77	Eps Cen	2.3030	28000.	49	52655	No
21	GOM_NL__2PRFIN20120324_170448_000000373113_00055_52655_9342.N1	24-MAR-2012 17:04:48	Bright	37.000	82	48Bet UMa	2.3650	10600.	74	52655	No
22	GOM_NL__2PRFIN20120324_181111_000000273113_00056_52656_9372.N1	24-MAR-2012 18:11:11	Straylight	26.500	77	Eps Cen	2.3030	28000.	53	52656	No
23	GOM_NL__2PRFIN20120324_184502_000000543113_00056_52656_9373.N1	24-MAR-2012 18:45:02	Bright	54.000	82	48Bet UMa	2.3650	10600.	108	52656	No
24	GOM_NL__2PRFIN20120324_195125_000000293113_00057_52657_9424.N1	24-MAR-2012 19:51:25	Straylight	28.500	77	Eps Cen	2.3030	28000.	57	52657	No
25	GOM_NL__2PRFIN20120324_202515_000000373113_00057_52657_9425.N1	24-MAR-2012 20:25:15	Bright	37.000	82	48Bet UMa	2.3650	10600.	74	52657	No
26	GOM_NL__2PRFIN20120324_213139_000000313113_00058_52658_9437.N1	24-MAR-2012 21:31:39	Straylight	31.000	77	Eps Cen	2.3030	28000.	62	52658	No
27	GOM_NL__2PRFIN20120324_220529_000000373113_00058_52658_9438.N1	24-MAR-2012 22:05:29	Bright	37.000	82	48Bet UMa	2.3650	10600.	74	52658	No
28	GOM_NL__2PRFIN20120324_231154_000000333113_00059_52659_9441.N1	24-MAR-2012 23:11:54	Straylight	33.000	77	Eps Cen	2.3030	28000.	66	52659	No
29	GOM_NL__2PRFIN20120324_234543_000000353113_00059_52659_9442.N1	24-MAR-2012 23:45:43	Bright	34.500	82	48Bet UMa	2.3650	10600.	69	52659	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)

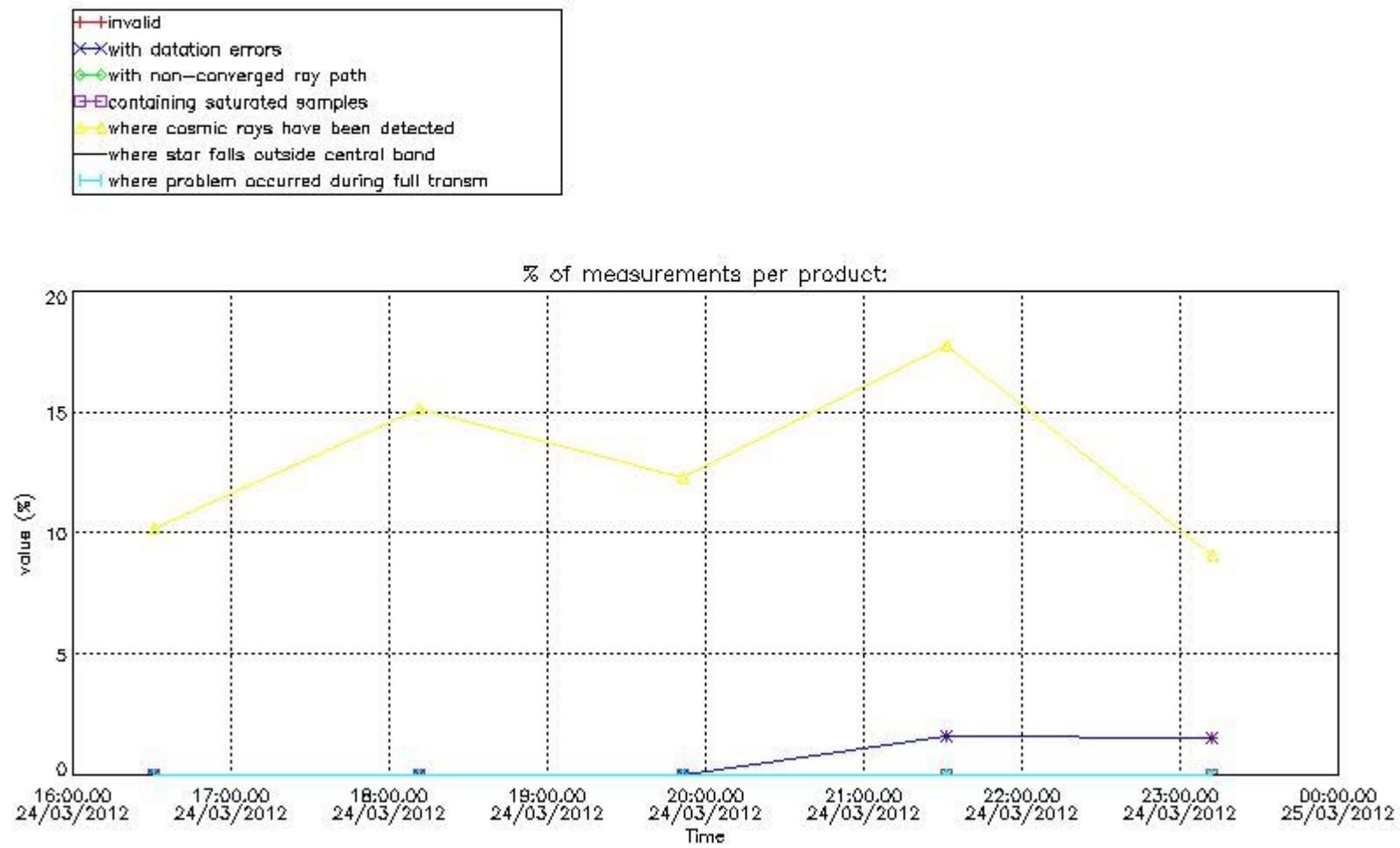
4. Level 1 quality information per product

In this section it is plotted some information contained in the Quality Summary data set of

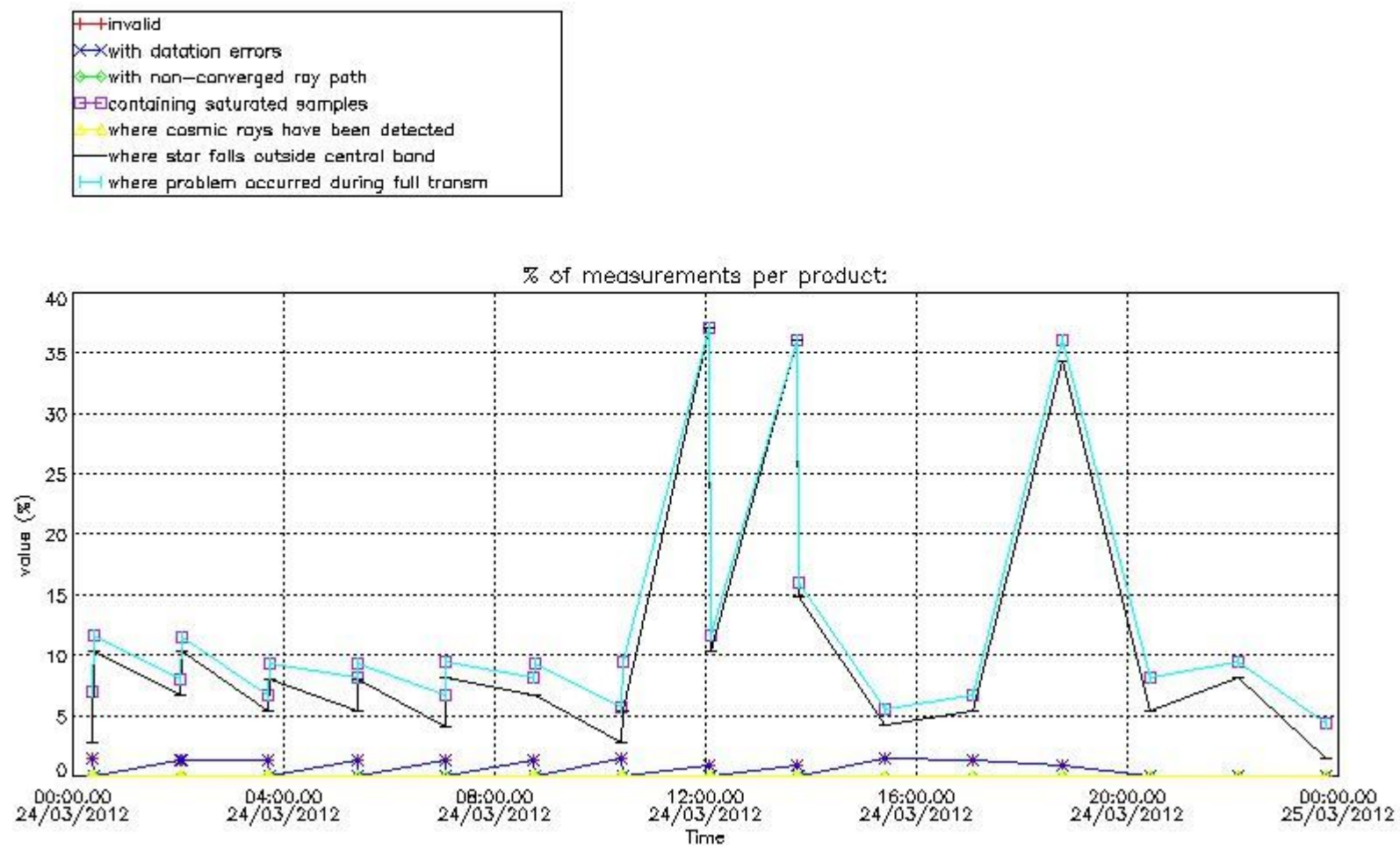
the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



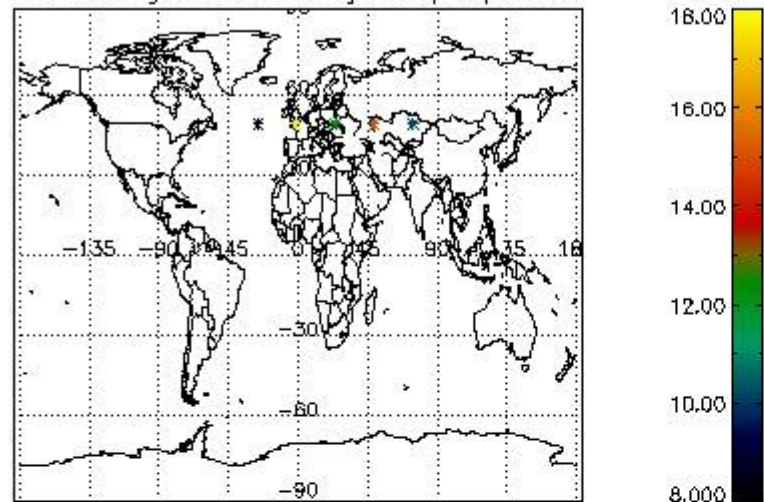
4.1.2 Plot level 1 quality information per product (time dependant): ENVISAT DESCENDING passes



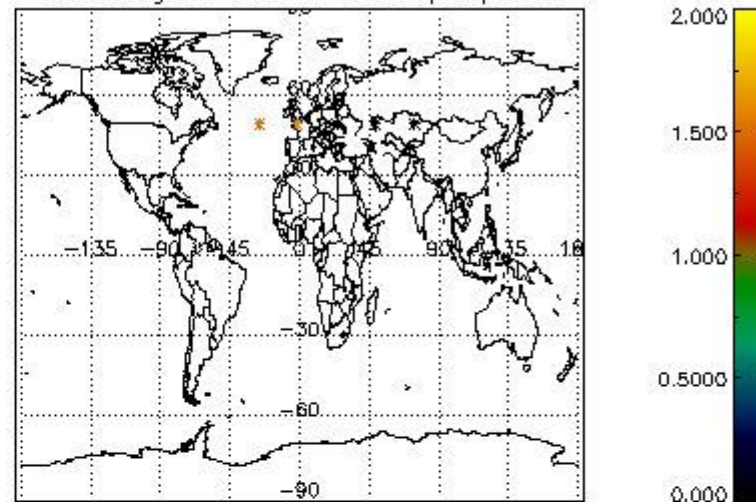
4.2 Plot quality information per product coming from level 1b processing (world map)

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

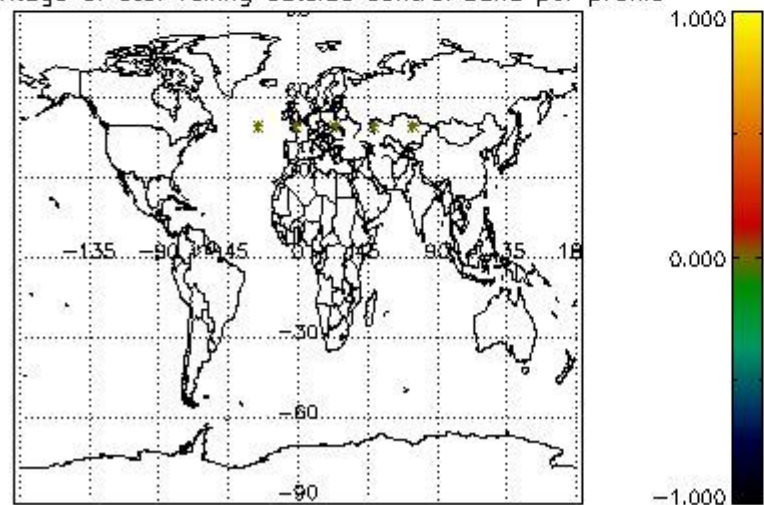
Percentage of cosmic ray hits per profile



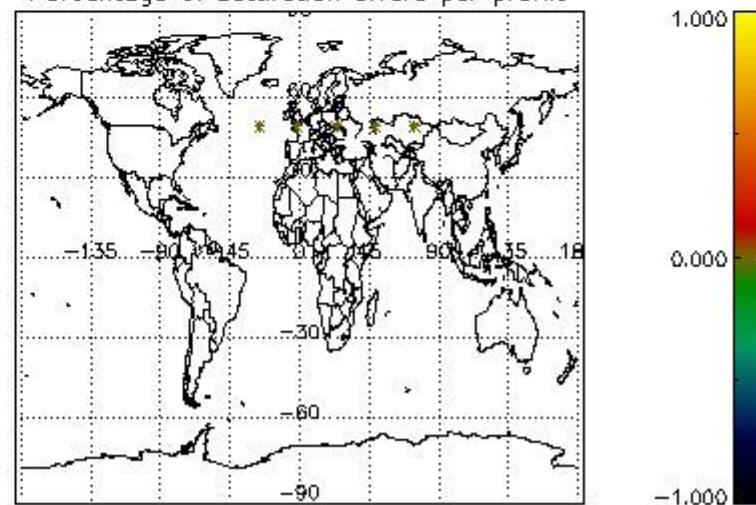
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

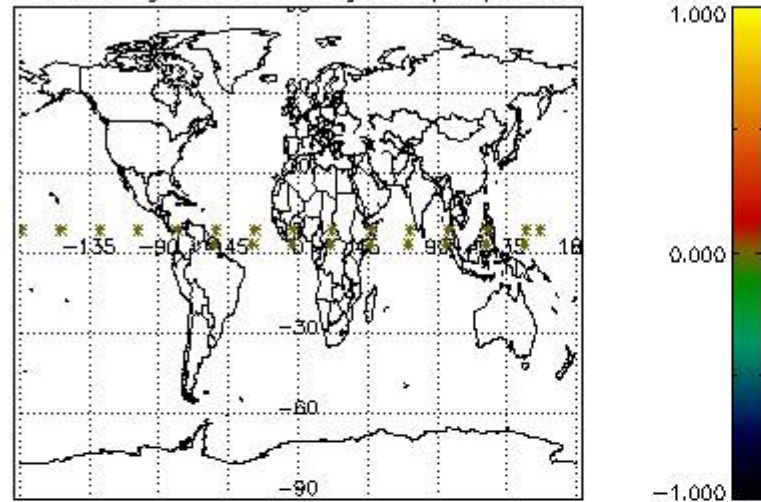


Percentage of saturation errors per profile

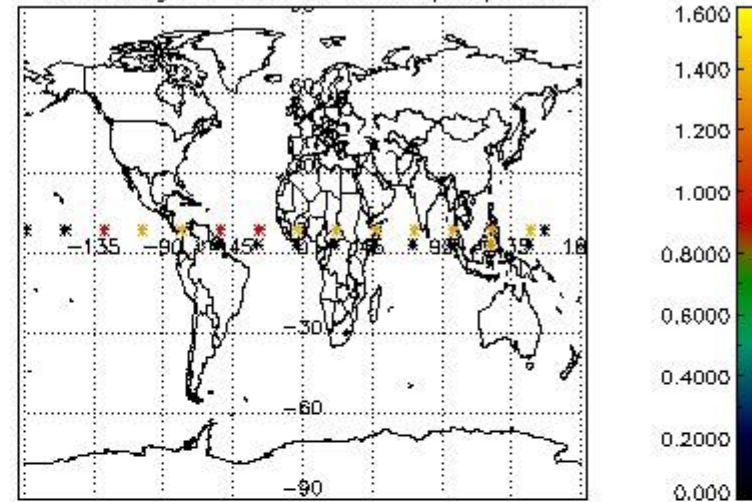


4.2.2 Plot level 1 quality information per product (world map): ENVISAT DESCENDING passes

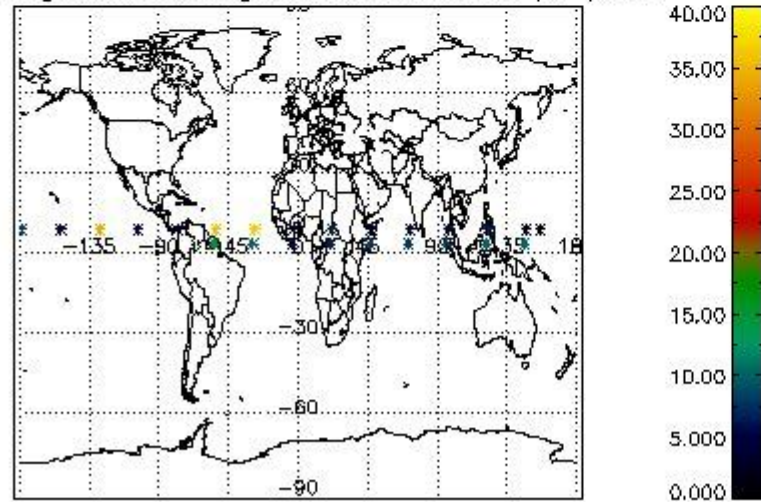
Percentage of cosmic ray hits per profile



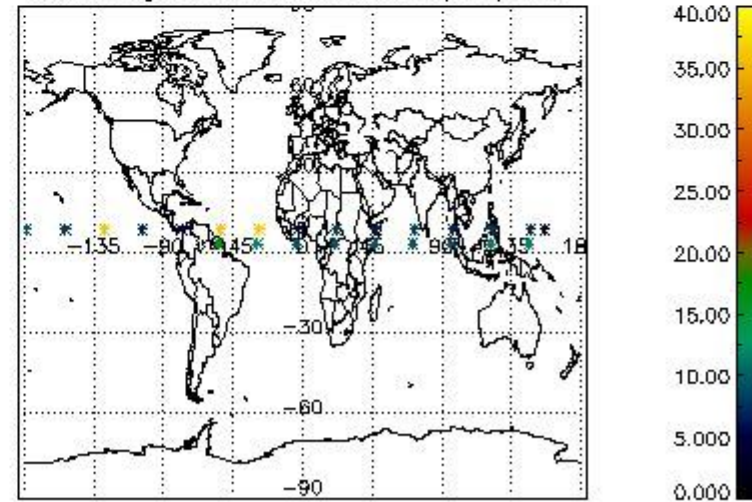
Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



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_AXVIEC20111213_163131_20111215_000000_20500101_000000	1	24-MAR-2012 00:22:30
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	24-MAR-2012 00:22:30
CROSS_SECTIONS_FILE	GOM_CR2_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	24-MAR-2012 00:22:30

GOMOS Level 2 Daily Report

SUMMARY

[1. General Info](#)

[2. Summary of processed GOM_NL_2P products](#)

[3. Level 2 Quality information per product](#)

[3.1 Plot of level 2 quality information per product \(time dependant\)](#)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

This report presents the daily analysis on parameters extracted from GOMOS level 2 data (GOM_NL__2P). It is intended to monitor some important parameters that will impact the quality of these products. A list of level 2 products (and content) that have arrived during the reporting day to the PCF is also given.

Item	Value
Time of report generation	18APR2013 14:12:56
Data source version	GOMOS/6.01
Start time of products	24-03-2012 (24MAR2012 00:00:00)
Stop time of products	25-03-2012 (25MAR2012 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	29
Nb of prods with errors	0

2. Summary of processed GOM_NL__2P products.

!Warning: No products without errors in DARK limb contitions found

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20120324_002230_000000363113_00045_52645_9017.N1	24-MAR-2012 00:22:30	Bright	36.000	82	48Bet UMa	2.3650	10600.	72	52645	No
2	GOM_NL__2PRFIN20120324_002401_000000393113_00045_52645_9018.N1	24-MAR-2012 00:24:01	Bright	38.500	36	50Alp UMa	1.8000	6300.0	77	52645	No
3	GOM_NL__2PRFIN20120324_020243_000000383113_00046_52646_9029.N1	24-MAR-2012 02:02:43	Bright	37.500	82	48Bet UMa	2.3650	10600.	75	52646	No
4	GOM_NL__2PRFIN20120324_020415_000000393113_00046_52646_9030.N1	24-MAR-2012 02:04:15	Bright	39.000	36	50Alp UMa	1.8000	6300.0	78	52646	No
5	GOM_NL__2PRFIN20120324_034257_000000373113_00047_52647_9059.N1	24-MAR-2012 03:42:57	Bright	37.000	82	48Bet UMa	2.3650	10600.	74	52647	No
6	GOM_NL__2PRFIN20120324_034428_000000383113_00047_52647_9060.N1	24-MAR-2012 03:44:28	Bright	37.500	36	50Alp UMa	1.8000	6300.0	75	52647	No
7	GOM_NL__2PRFIN20120324_052311_000000373113_00048_52648_9074.N1	24-MAR-2012 05:23:11	Bright	37.000	82	48Bet UMa	2.3650	10600.	74	52648	No
8	GOM_NL__2PRFIN20120324_052442_000000383113_00048_52648_9075.N1	24-MAR-2012 05:24:42	Bright	37.500	36	50Alp UMa	1.8000	6300.0	75	52648	No
9	GOM_NL__2PRFIN20120324_070325_000000373113_00049_52649_9083.N1	24-MAR-2012 07:03:25	Bright	37.000	82	48Bet UMa	2.3650	10600.	74	52649	No
10	GOM_NL__2PRFIN20120324_070456_000000373113_00049_52649_9084.N1	24-MAR-2012 07:04:56	Bright	37.000	36	50Alp UMa	1.8000	6300.0	74	52649	No
11	GOM_NL__2PRFIN20120324_084339_000000373113_00050_52650_9114.N1	24-MAR-2012 08:43:39	Bright	37.000	82	48Bet UMa	2.3650	10600.	74	52650	No
12	GOM_NL__2PRFIN20120324_084510_000000383113_00050_52650_9115.N1	24-MAR-2012 08:45:10	Bright	37.500	36	50Alp UMa	1.8000	6300.0	75	52650	No
13	GOM_NL__2PRFIN20120324_102353_000000363113_00051_52651_9166.N1	24-MAR-2012 10:23:53	Bright	35.500	82	48Bet UMa	2.3650	10600.	71	52651	No
14	GOM_NL__2PRFIN20120324_102524_000000373113_00051_52651_9167.N1	24-MAR-2012 10:25:24	Bright	37.000	36	50Alp UMa	1.8000	6300.0	74	52651	No
15	GOM_NL__2PRFIN20120324_120406_000000543113_00052_52652_9239.N1	24-MAR-2012 12:04:06	Bright	54.000	82	48Bet UMa	2.3650	10600.	108	52652	No
16	GOM_NL__2PRFIN20120324_120537_000000393113_00052_52652_9240.N1	24-MAR-2012 12:05:37	Bright	38.500	36	50Alp UMa	1.8000	6300.0	77	52652	No
17	GOM_NL__2PRFIN20120324_134420_000000543113_00053_52653_9270.N1	24-MAR-2012 13:44:20	Bright	54.000	82	48Bet UMa	2.3650	10600.	108	52653	No
18	GOM_NL__2PRFIN20120324_134551_000000413113_00053_52653_9271.N1	24-MAR-2012 13:45:51	Bright	40.500	36	50Alp UMa	1.8000	6300.0	81	52653	No
19	GOM_NL__2PRFIN20120324_152434_000000363113_00054_52654_9304.N1	24-MAR-2012 15:24:34	Bright	36.000	82	48Bet UMa	2.3650	10600.	72	52654	No
20	GOM_NL__2PRFIN20120324_163056_000000253113_00055_52655_9341.N1	24-MAR-2012 16:30:56	Straylight	24.500	77	Eps Cen	2.3030	28000.	49	52655	No
21	GOM_NL__2PRFIN20120324_170448_000000373113_00055_52655_9342.N1	24-MAR-2012 17:04:48	Bright	37.000	82	48Bet UMa	2.3650	10600.	74	52655	No
22	GOM_NL__2PRFIN20120324_181111_000000273113_00056_52656_9372.N1	24-MAR-2012 18:11:11	Straylight	26.500	77	Eps Cen	2.3030	28000.	53	52656	No
23	GOM_NL__2PRFIN20120324_184502_000000543113_00056_52656_9373.N1	24-MAR-2012 18:45:02	Bright	54.000	82	48Bet UMa	2.3650	10600.	108	52656	No
24	GOM_NL__2PRFIN20120324_195125_000000293113_00057_52657_9424.N1	24-MAR-2012 19:51:25	Straylight	28.500	77	Eps Cen	2.3030	28000.	57	52657	No
25	GOM_NL__2PRFIN20120324_202515_000000373113_00057_52657_9425.N1	24-MAR-2012 20:25:15	Bright	37.000	82	48Bet UMa	2.3650	10600.	74	52657	No
26	GOM_NL__2PRFIN20120324_213139_000000313113_00058_52658_9437.N1	24-MAR-2012 21:31:39	Straylight	31.000	77	Eps Cen	2.3030	28000.	62	52658	No
27	GOM_NL__2PRFIN20120324_220529_000000373113_00058_52658_9438.N1	24-MAR-2012 22:05:29	Bright	37.000	82	48Bet UMa	2.3650	10600.	74	52658	No
28	GOM_NL__2PRFIN20120324_231154_000000333113_00059_52659_9441.N1	24-MAR-2012 23:11:54	Straylight	33.000	77	Eps Cen	2.3030	28000.	66	52659	No
29	GOM_NL__2PRFIN20120324_234543_000000353113_00059_52659_9442.N1	24-MAR-2012 23:45:43	Bright	34.500	82	48Bet UMa	2.3650	10600.	69	52659	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)

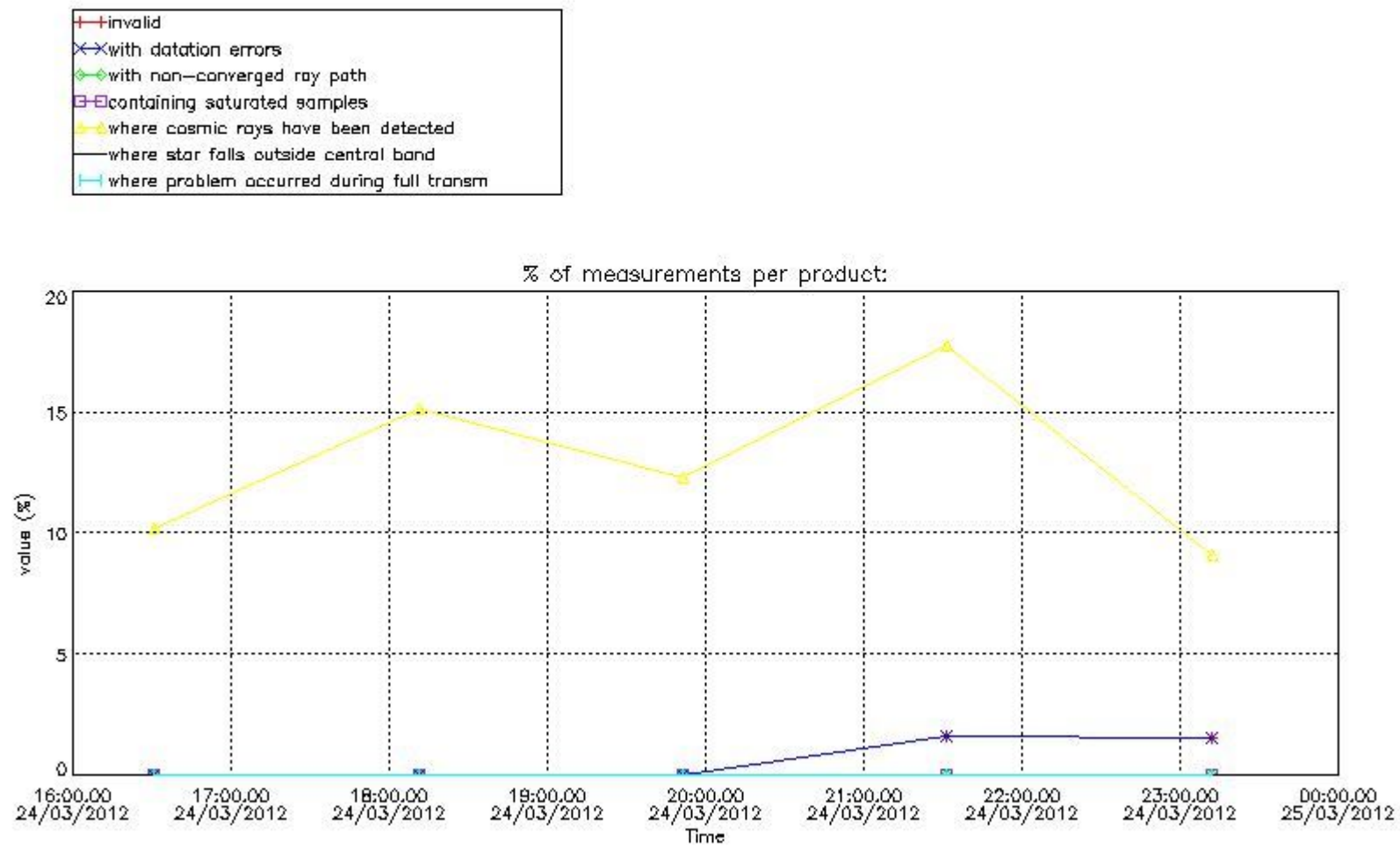
4. Level 1 quality information per product

In this section it is plotted some information contained in the Quality Summary data set of

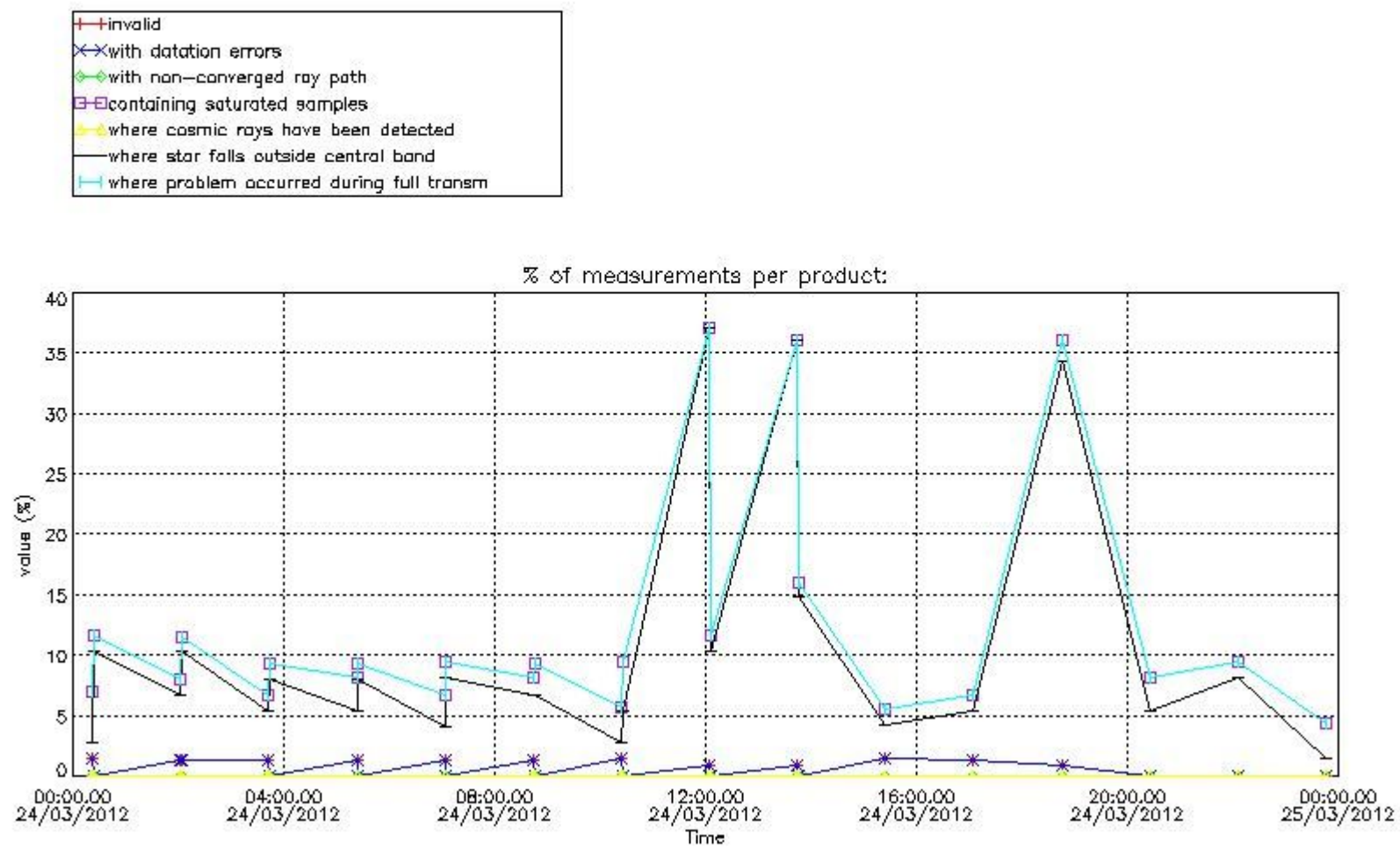
the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



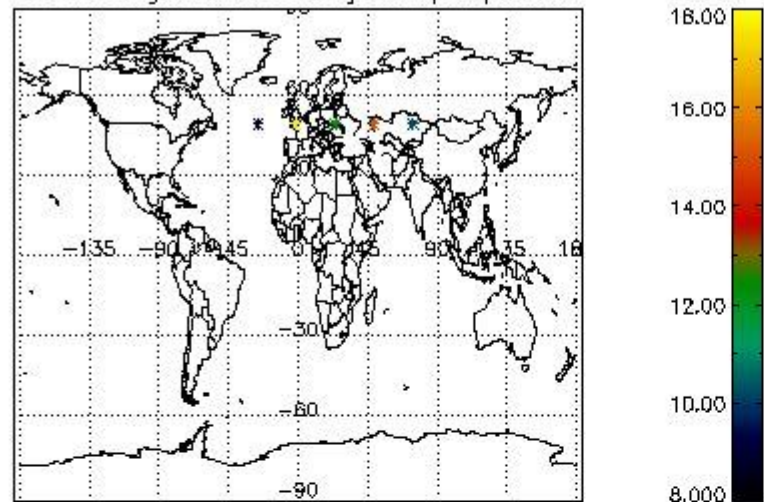
4.1.2 Plot level 1 quality information per product (time dependant): ENVISAT DESCENDING passes



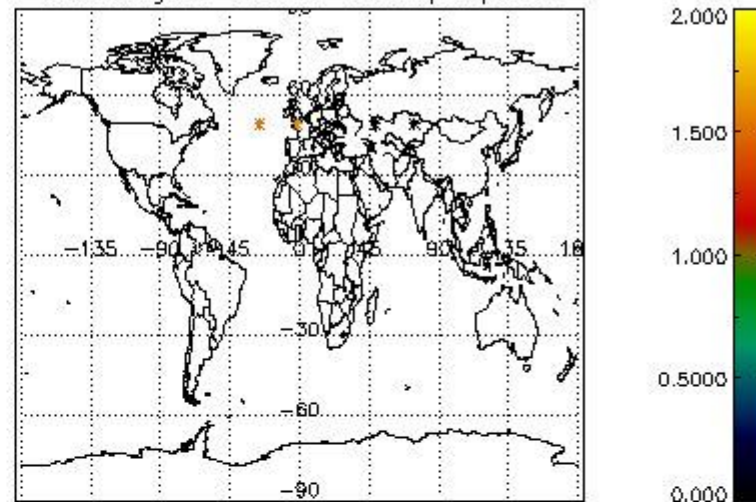
4.2 Plot quality information per product coming from level 1b processing (world map)

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

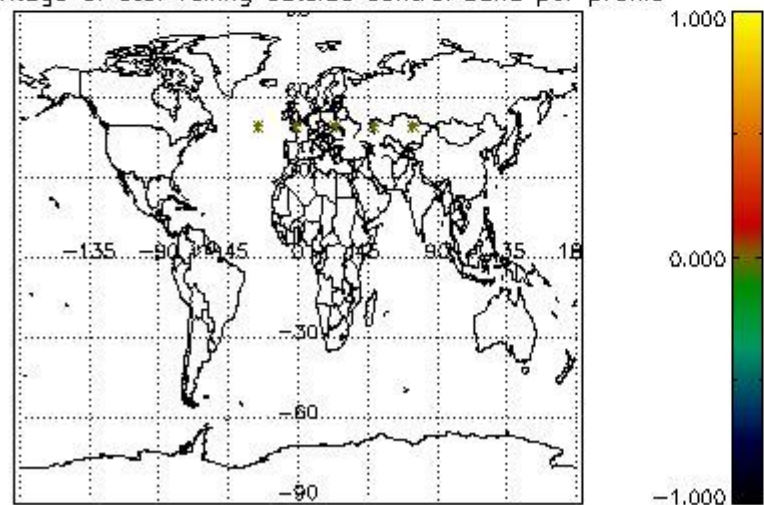
Percentage of cosmic ray hits per profile



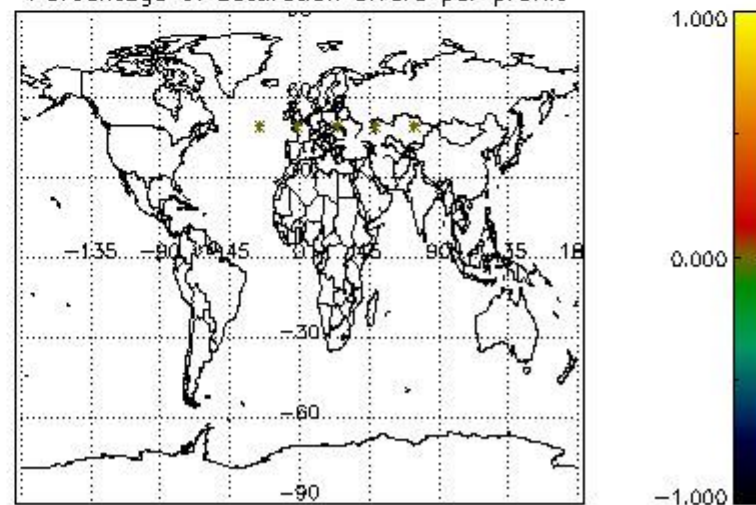
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

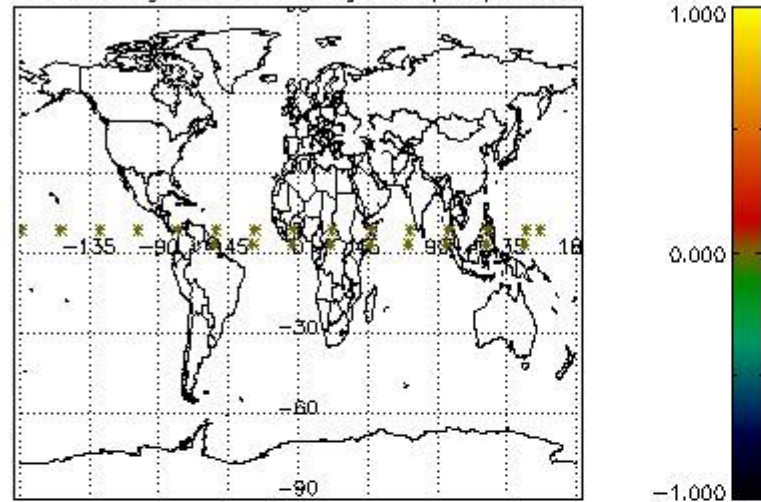


Percentage of saturation errors per profile

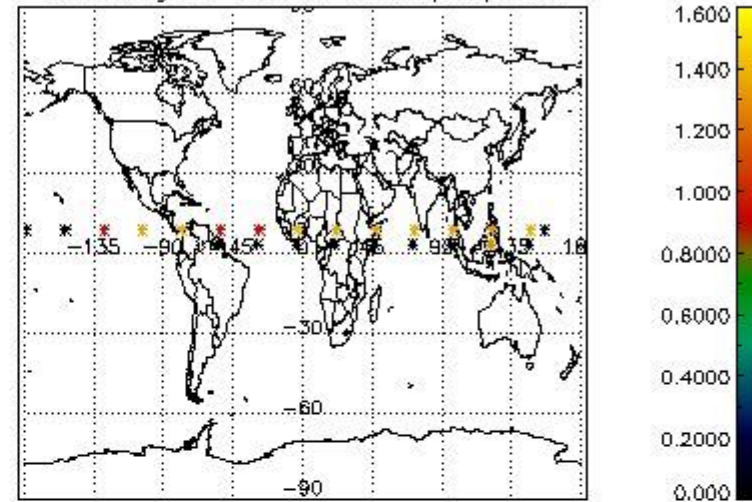


4.2.2 Plot level 1 quality information per product (world map): ENVISAT DESCENDING passes

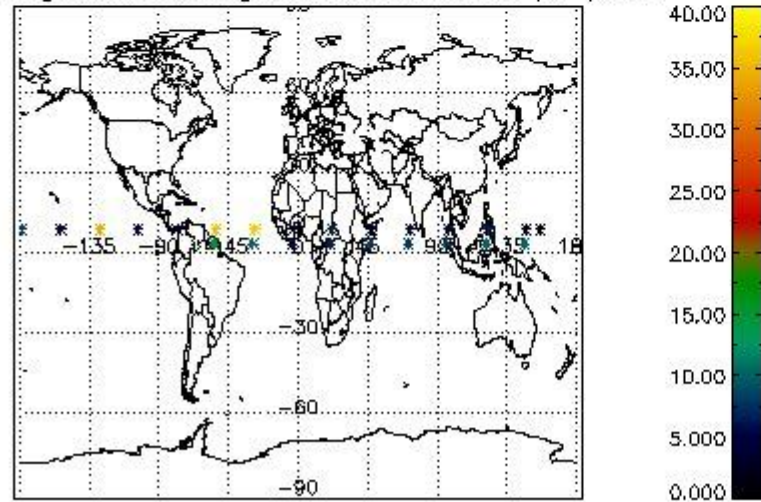
Percentage of cosmic ray hits per profile



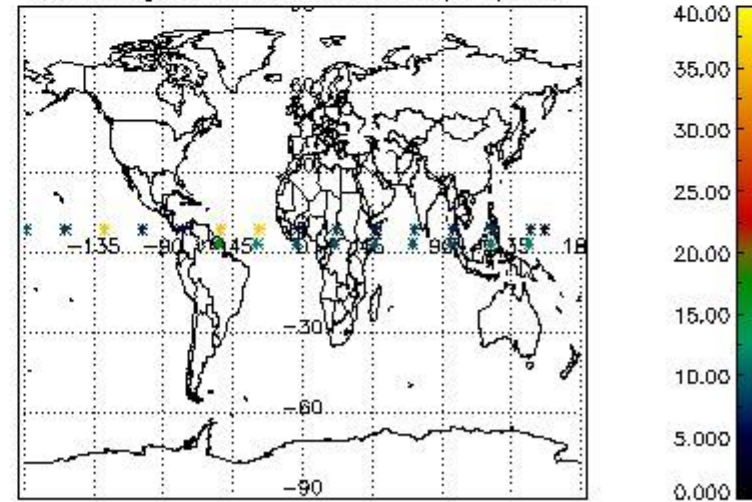
Percentage of datation errors per profile



Percentage of star falling outside central band per profile



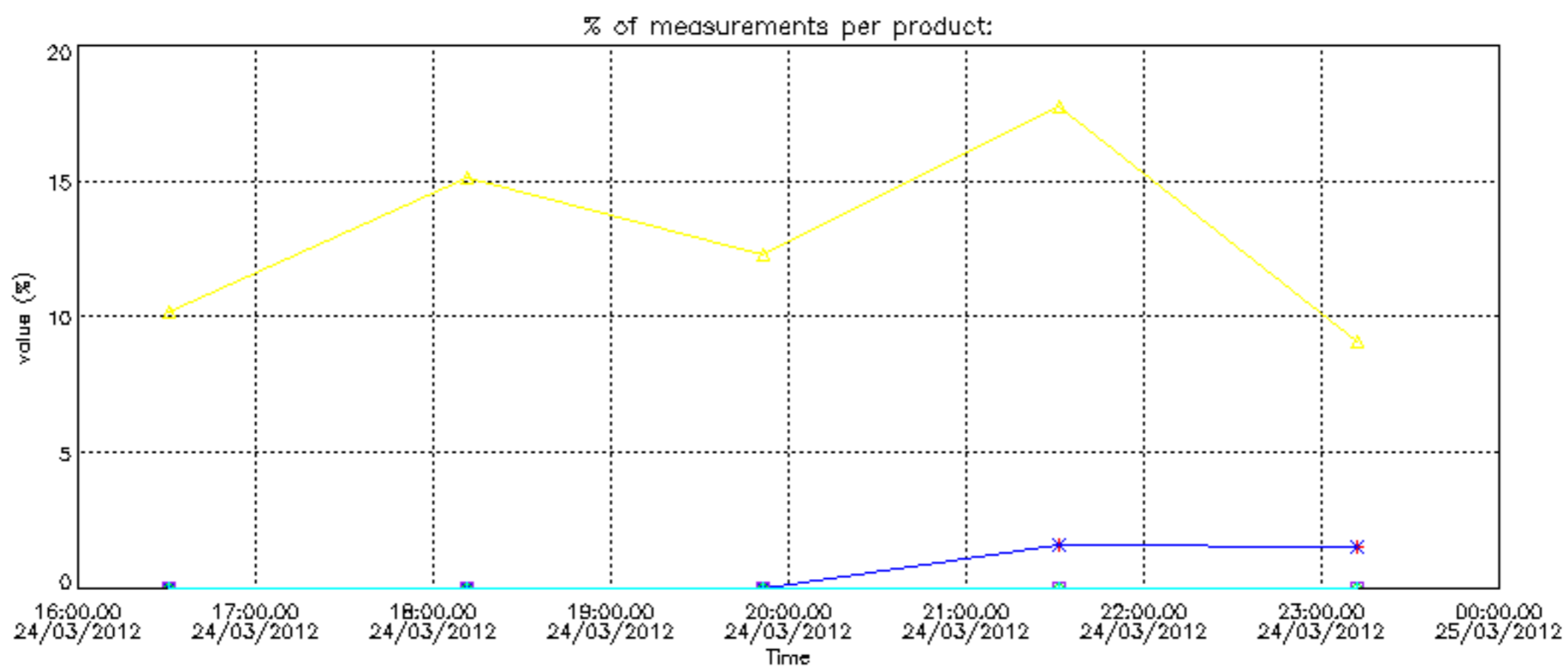
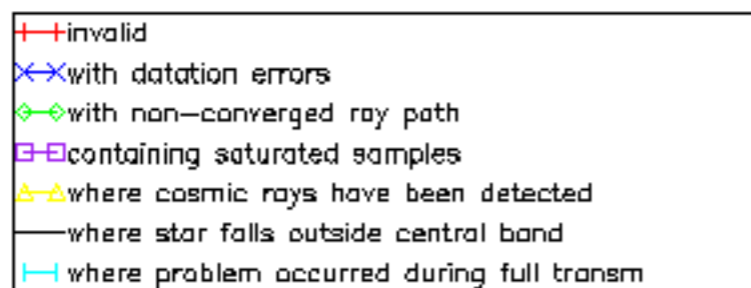
Percentage of saturation errors per profile

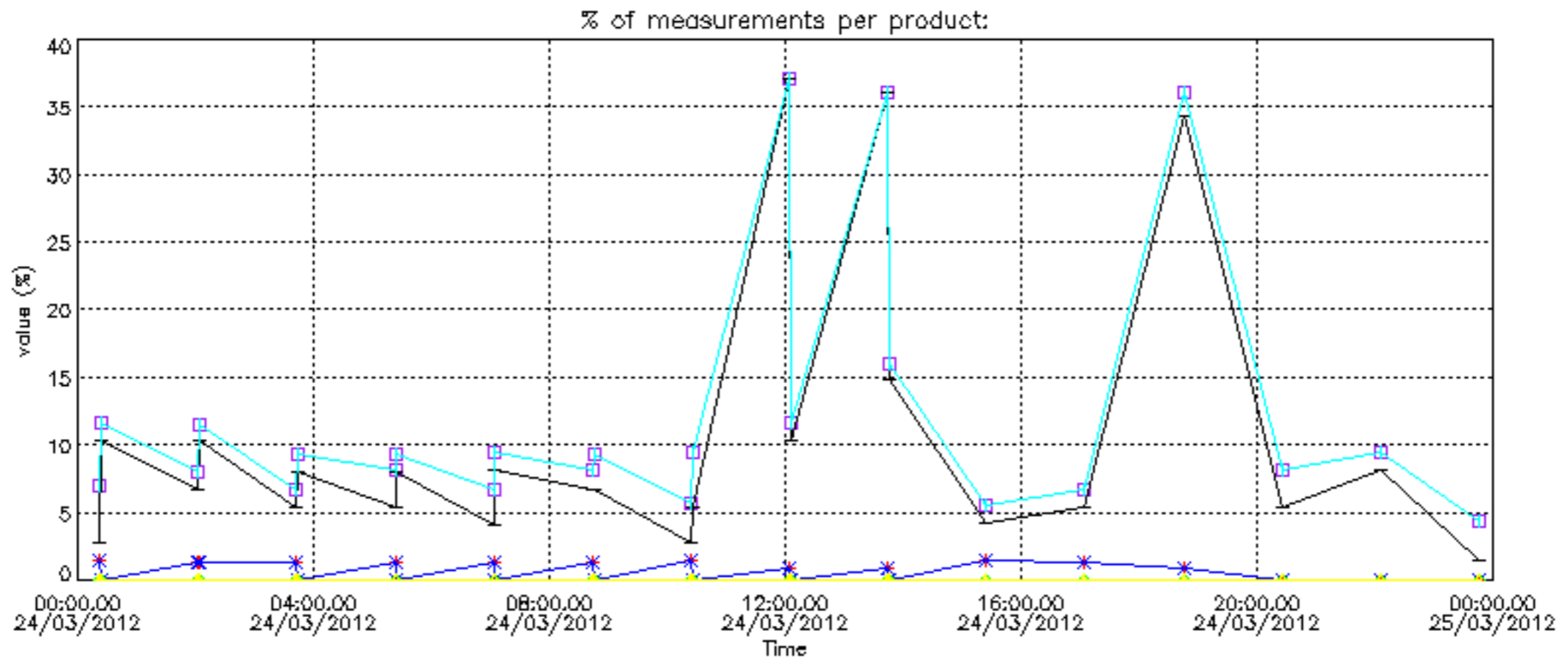


6. Auxiliary Data Files used for the production reported in section 2

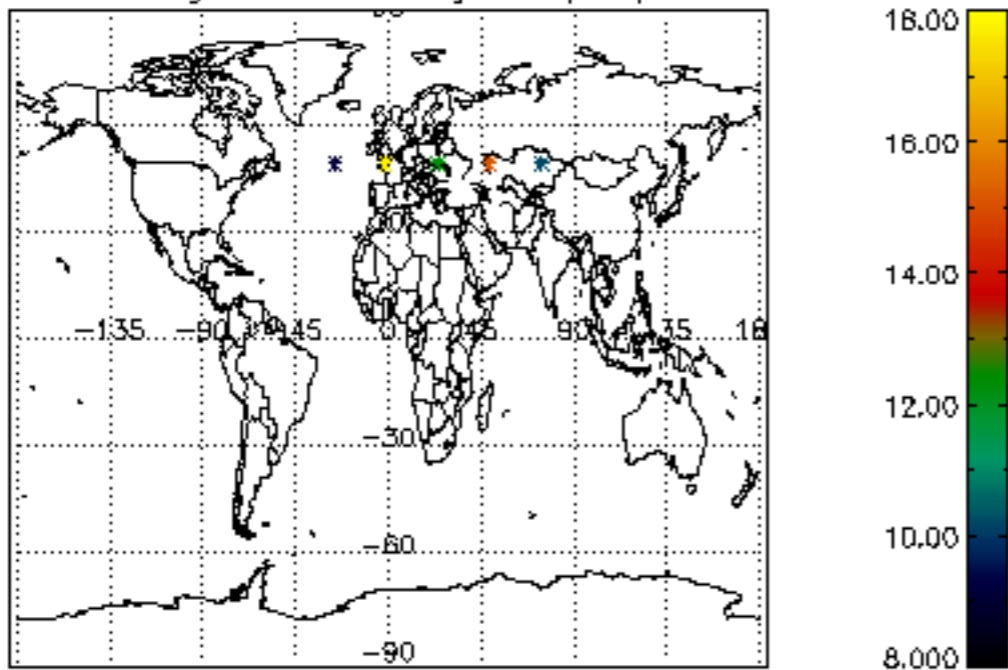
The number reported in the third column indicates since which file (see list in section 2) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20111213_163131_20111215_000000_20500101_000000	1	24-MAR-2012 00:22:30
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	24-MAR-2012 00:22:30
CROSS_SECTIONS_FILE	GOM_CR2_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	24-MAR-2012 00:22:30

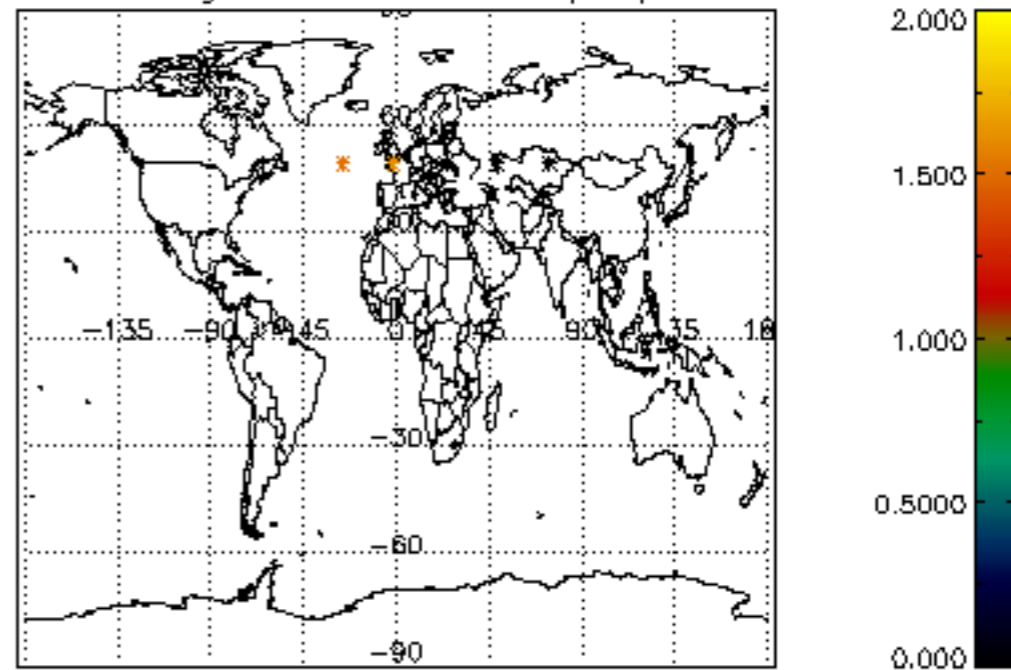




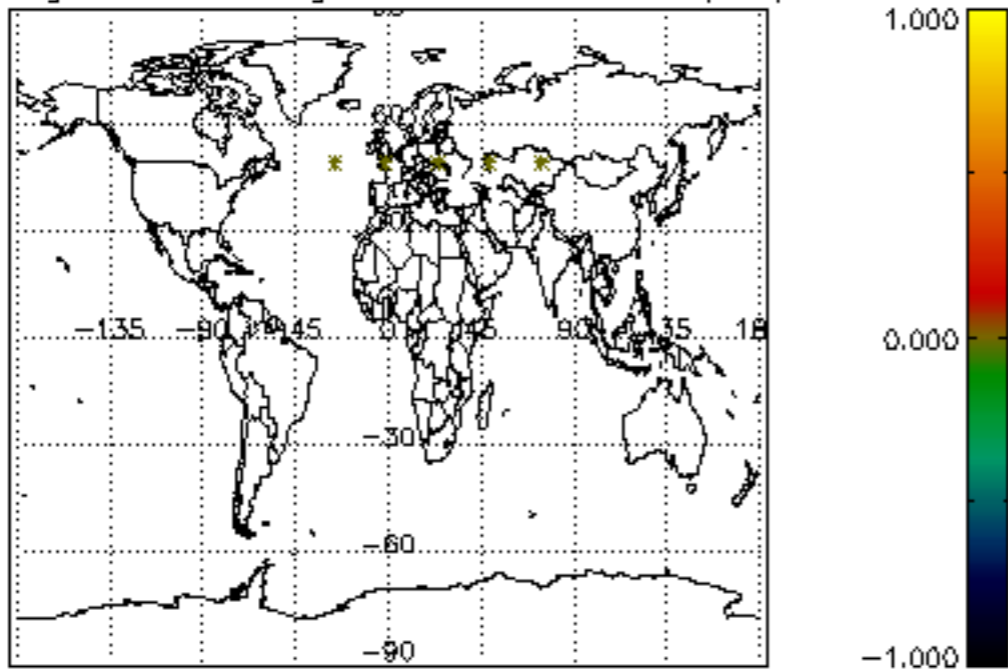
Percentage of cosmic ray hits per profile



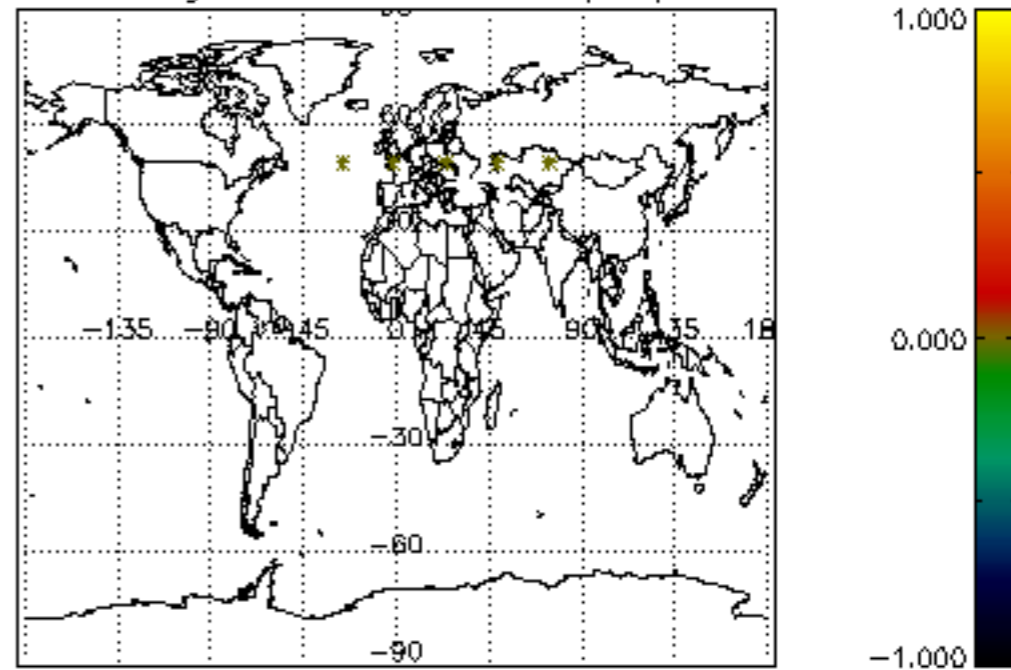
Percentage of datation errors per profile



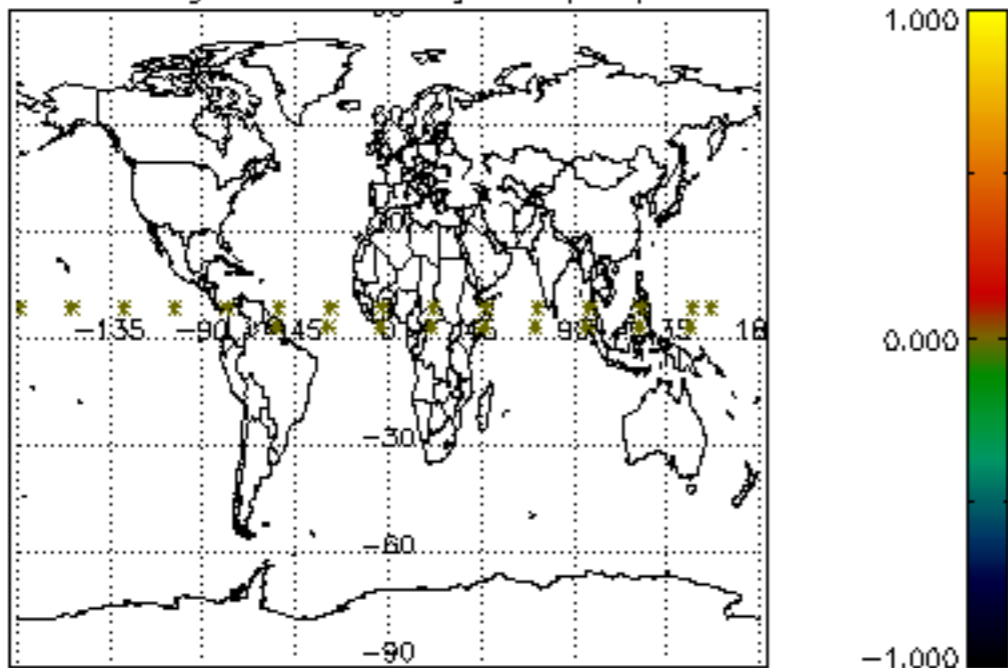
Percentage of star falling outside central band per profile



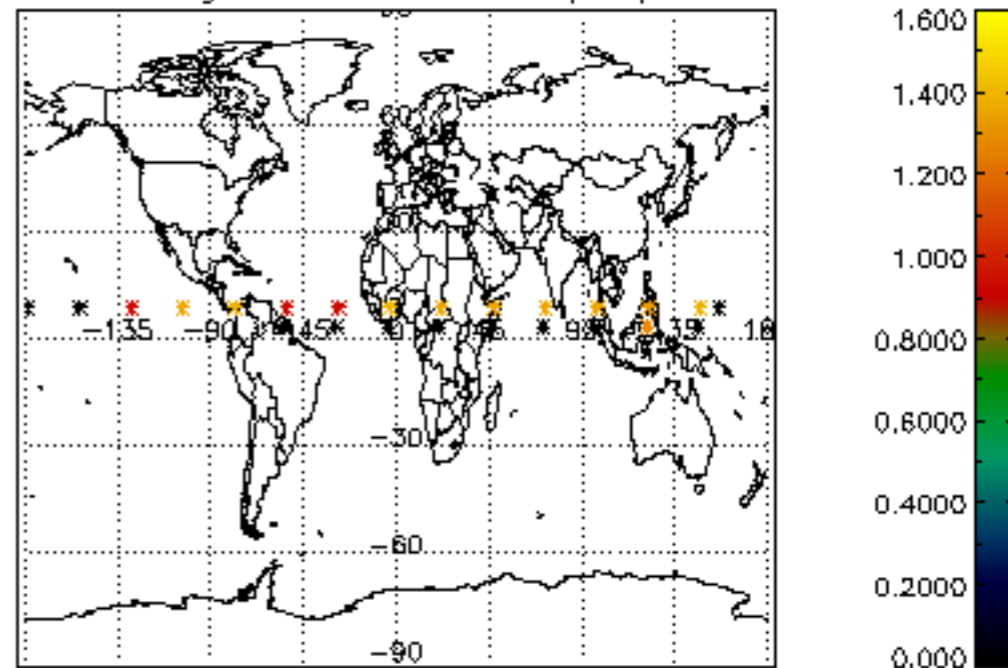
Percentage of saturation errors per profile



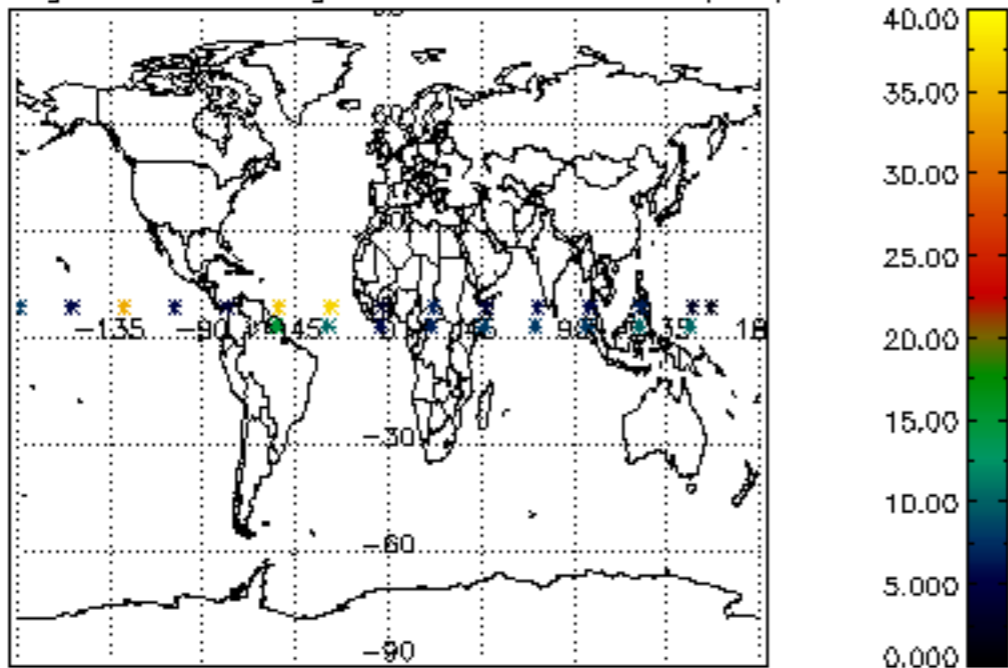
Percentage of cosmic ray hits per profile



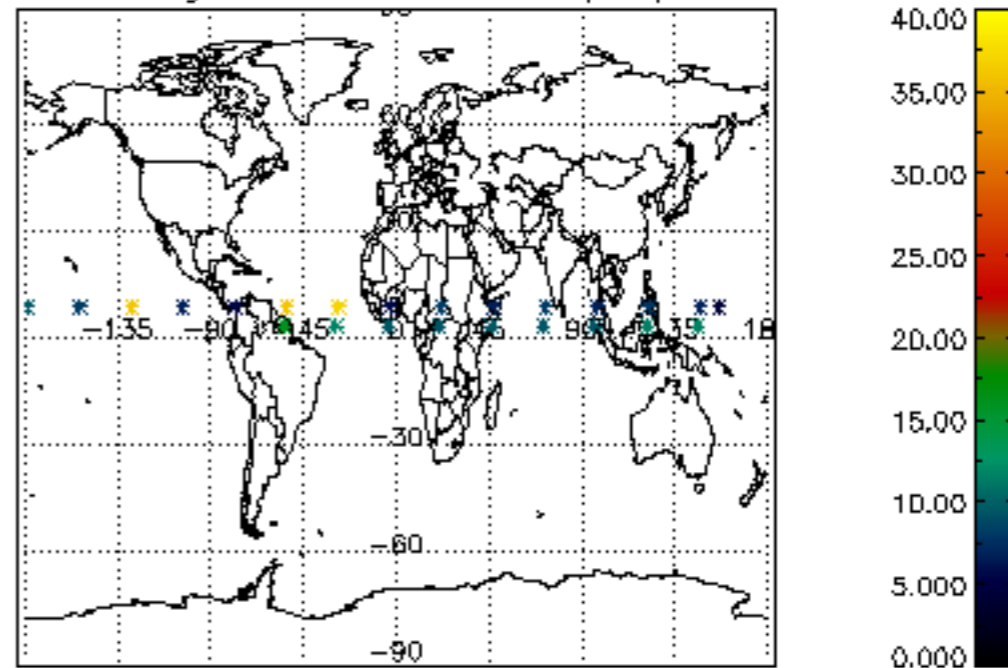
Percentage of datation errors per profile

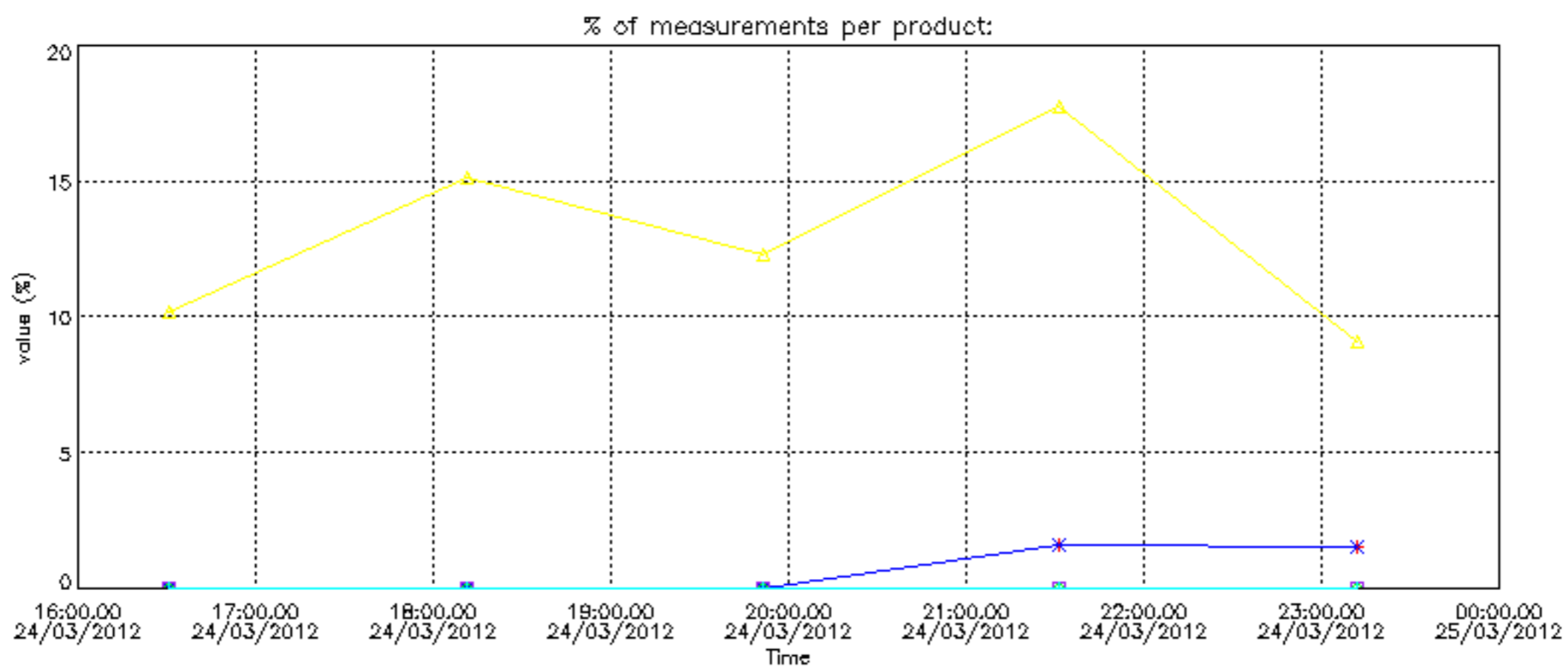
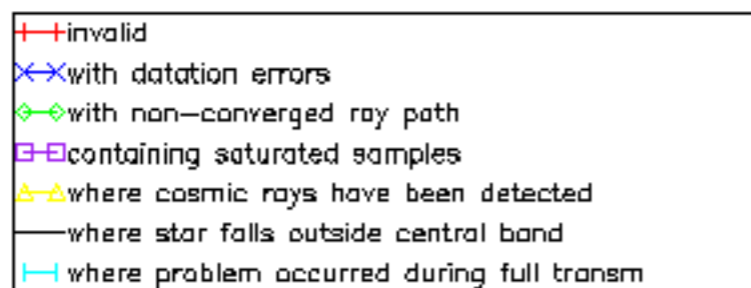


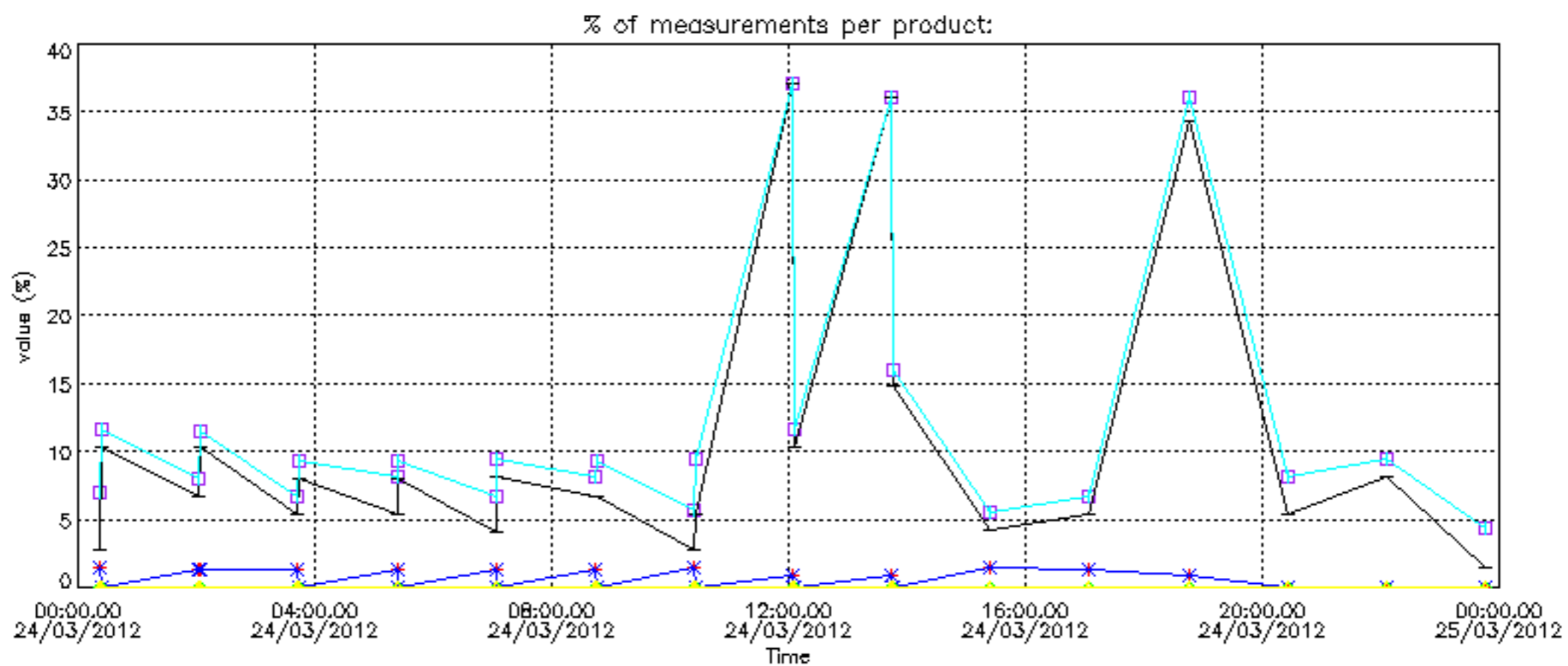
Percentage of star falling outside central band per profile



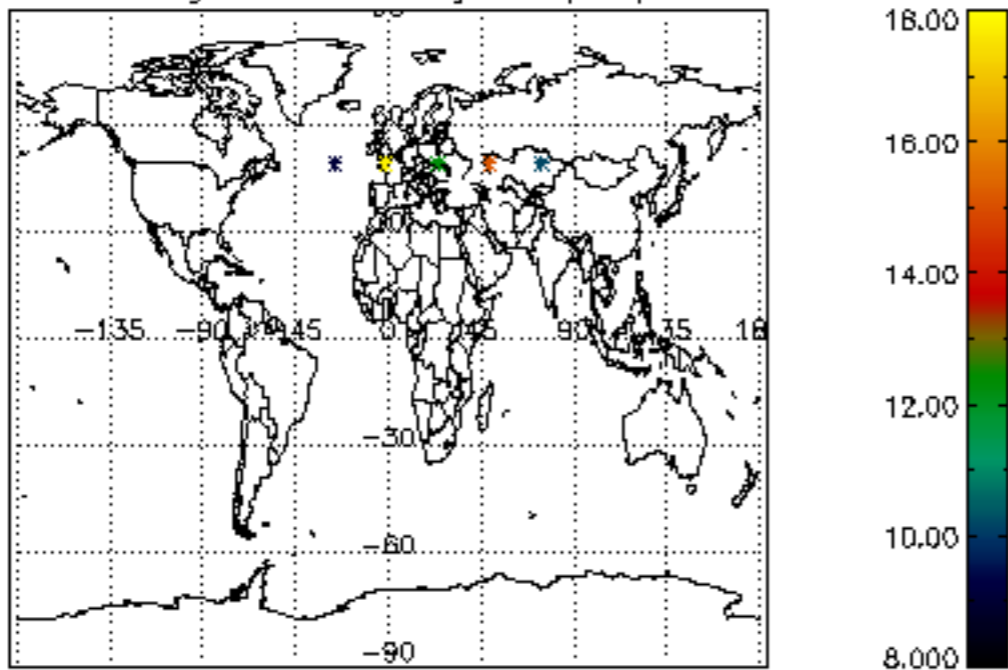
Percentage of saturation errors per profile



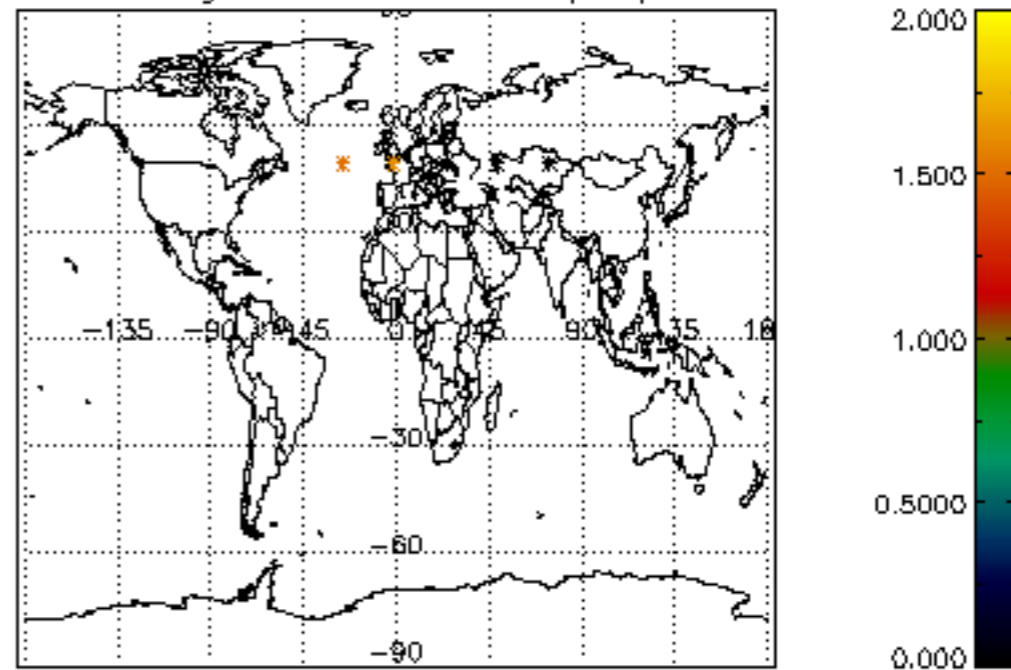




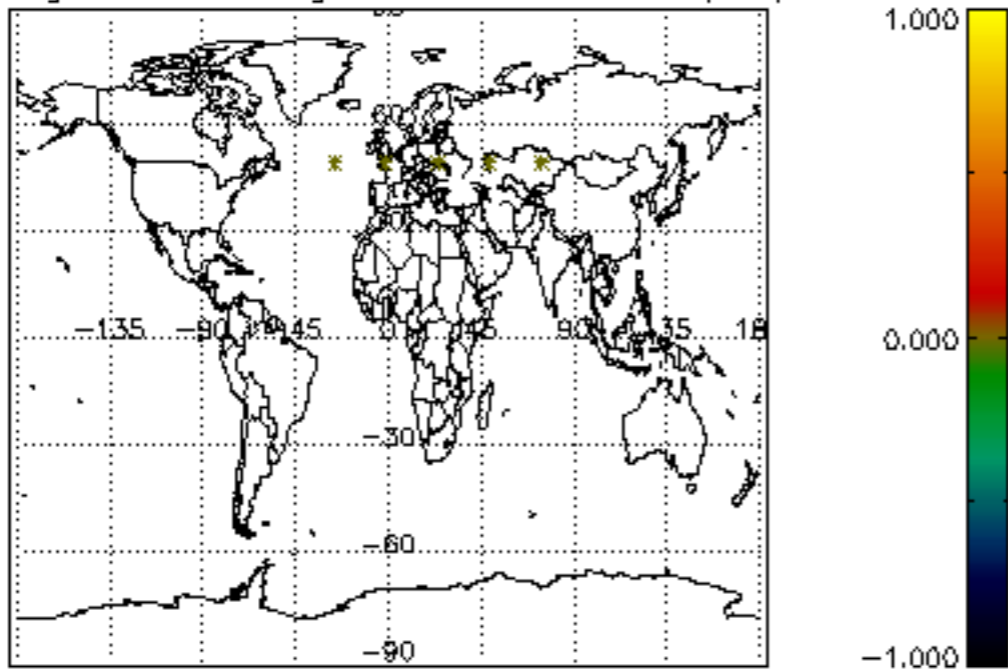
Percentage of cosmic ray hits per profile



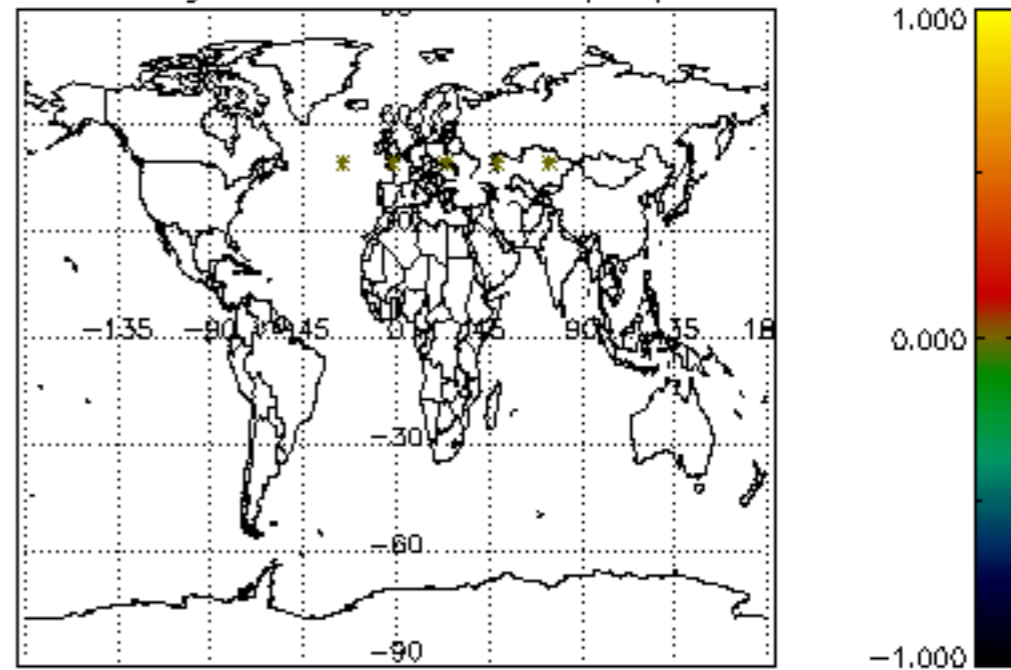
Percentage of datation errors per profile



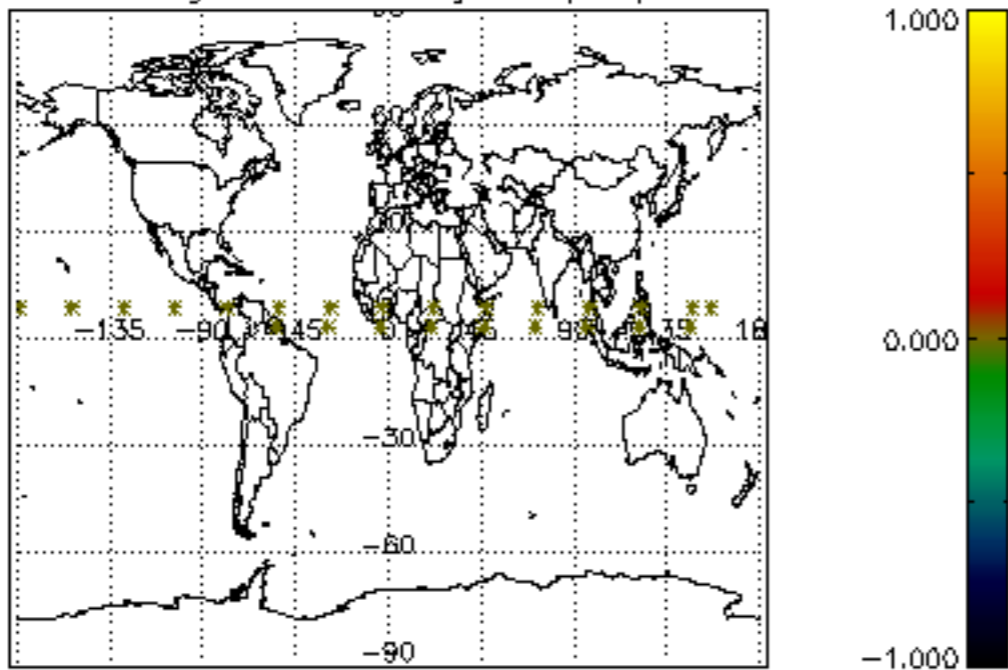
Percentage of star falling outside central band per profile



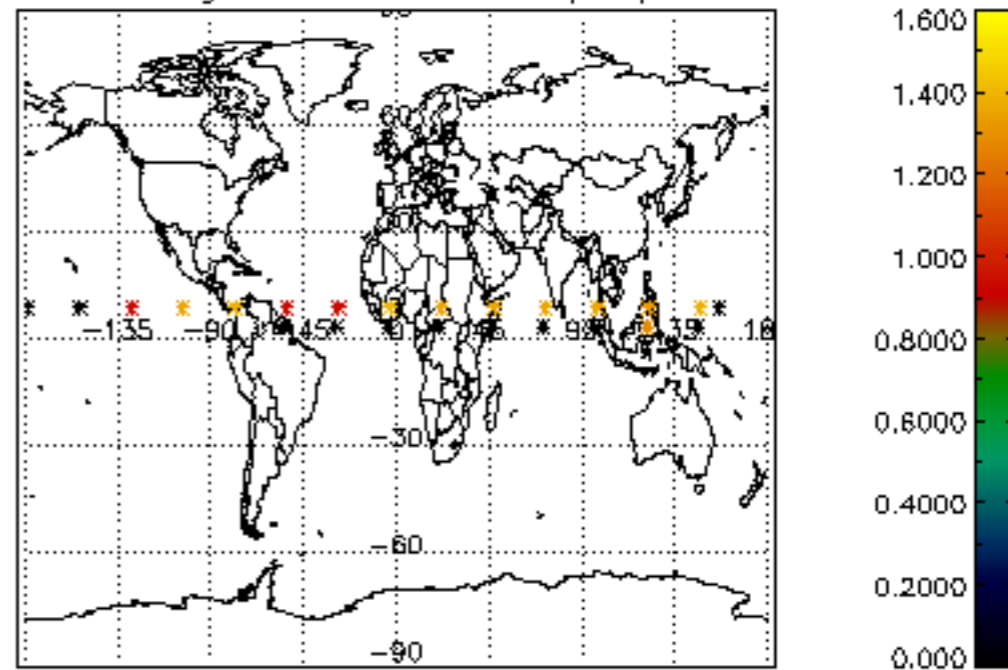
Percentage of saturation errors per profile



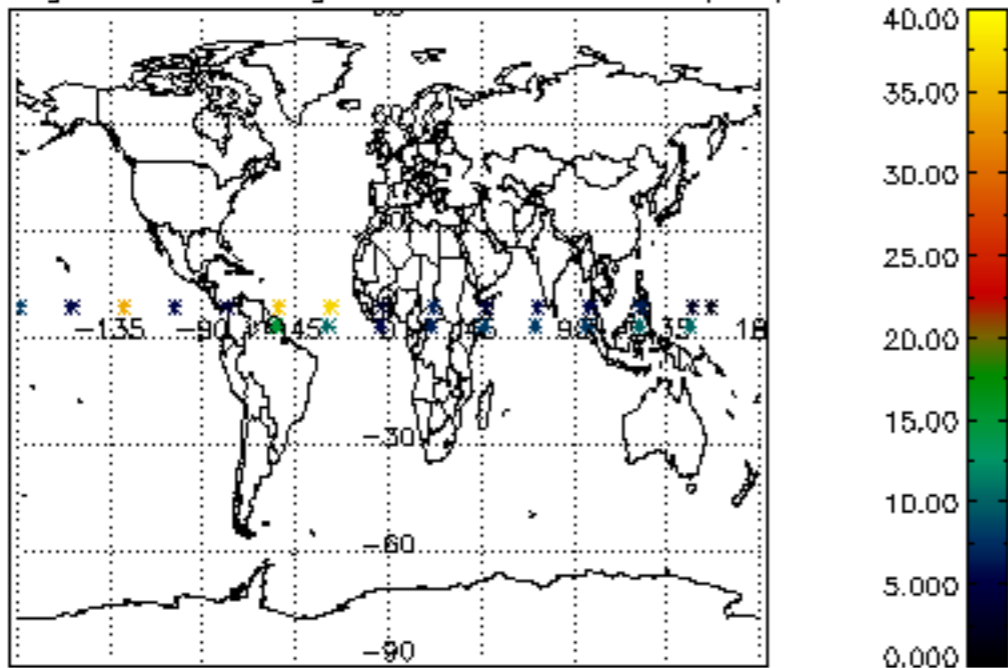
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

