

# GOMOS Level 2 Daily Report

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

Item	Value
Time of report generation	26APR2013 13:26:17
Data source version	GOMOS/6.01
Start time of products	24-10-2009 (24OCT2009 00:00:00)
Stop time of products	25-10-2009 (25OCT2009 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	20
Nb of prods with errors	0

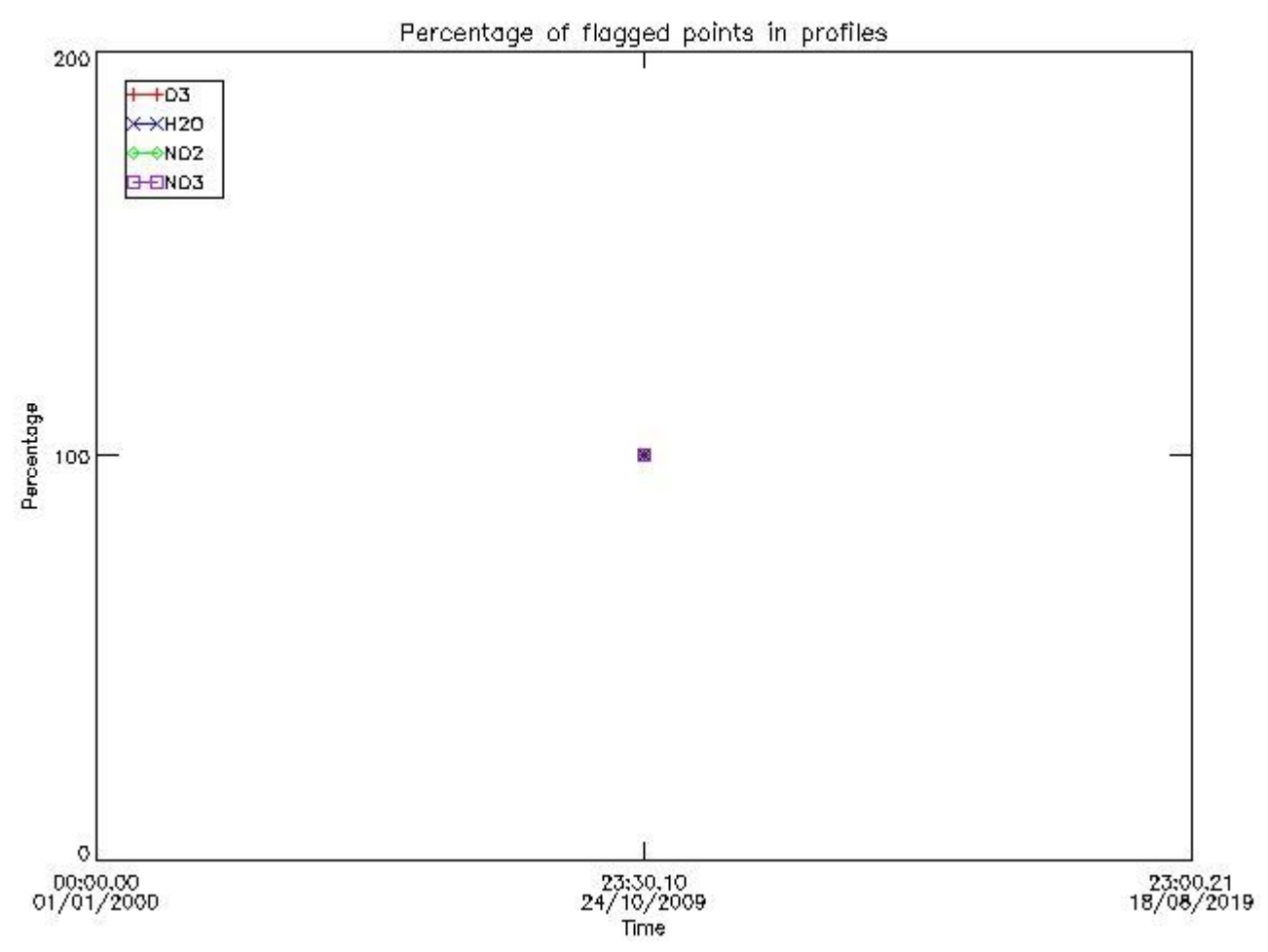
## 2. Summary of processed GOM\_NL\_\_2P products.

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20091024_011210_000000492083_00360_39993_5901.N1	24-OCT-2009 01:12:10	Bright	48.500	166	17Eps Leo	2.9800	6000.0	97	39993	No
2	GOM_NL__2PRFIN20091024_011540_000000632083_00360_39993_5902.N1	24-OCT-2009 01:15:40	Bright	62.500	22	32Alp Leo	1.3600	15200.	125	39993	No
3	GOM_NL__2PRFIN20091024_021802_000000432083_00361_39994_5915.N1	24-OCT-2009 02:18:02	Bright	42.500	173	4Bet Tri	3.0040	8900.0	85	39994	No
4	GOM_NL__2PRFIN20091024_022000_000000422083_00361_39994_5916.N1	24-OCT-2009 02:20:00	Bright	42.000	73	57Gam1And	2.2600	13100.	84	39994	No
5	GOM_NL__2PRFIN20091024_035355_000000442083_00362_39995_5926.N1	24-OCT-2009 03:53:55	Bright	43.500	105	6Bet Ari	2.6450	8900.0	87	39995	No
6	GOM_NL__2PRFIN20091024_035837_000000402083_00362_39995_5927.N1	24-OCT-2009 03:58:37	Bright	39.500	173	4Bet Tri	3.0040	8900.0	79	39995	No
7	GOM_NL__2PRFIN20091024_040036_000000432083_00362_39995_5928.N1	24-OCT-2009 04:00:36	Bright	43.000	73	57Gam1And	2.2600	13100.	86	39995	No
8	GOM_NL__2PRFIN20091024_135728_000000402083_00368_40001_6008.N1	24-OCT-2009 13:57:28	Bright	39.500	105	6Bet Ari	2.6450	8900.0	79	40001	No
9	GOM_NL__2PRFIN20091024_140210_000000402083_00368_40001_6009.N1	24-OCT-2009 14:02:10	Bright	40.000	173	4Bet Tri	3.0040	8900.0	80	40001	No
10	GOM_NL__2PRFIN20091024_140409_000000402083_00368_40001_6010.N1	24-OCT-2009 14:04:09	Bright	39.500	73	57Gam1And	2.2600	13100.	79	40001	No
11	GOM_NL__2PRFIN20091024_154246_000000422083_00369_40002_6018.N1	24-OCT-2009 15:42:46	Bright	41.500	173	4Bet Tri	3.0040	8900.0	83	40002	No
12	GOM_NL__2PRFIN20091024_154444_000000422083_00369_40002_6019.N1	24-OCT-2009 15:44:44	Bright	42.000	73	57Gam1And	2.2600	13100.	84	40002	No
13	GOM_NL__2PRFIN20091024_172520_000000272083_00370_40003_6030.N1	24-OCT-2009 17:25:20	Twilight	26.500	73	57Gam1And	2.2600	13100.	53	40003	No
14	GOM_NL__2PRFIN20091024_203950_000000322083_00372_40005_6052.N1	24-OCT-2009 20:39:50	Bright	32.000	105	6Bet Ari	2.6450	8900.0	64	40005	No
15	GOM_NL__2PRFIN20091024_204432_000000432083_00372_40005_6053.N1	24-OCT-2009 20:44:32	Bright	43.000	173	4Bet Tri	3.0040	8900.0	86	40005	No
16	GOM_NL__2PRFIN20091024_204631_000000432083_00372_40005_6054.N1	24-OCT-2009 20:46:31	Bright	42.500	73	57Gam1And	2.2600	13100.	85	40005	No
17	GOM_NL__2PRFIN20091024_222027_000000082083_00373_40006_6081.N1	24-OCT-2009 22:20:27	Straylight	7.5000	105	6Bet Ari	2.6450	8900.0	15	40006	No
18	GOM_NL__2PRFIN20091024_222509_000000082083_00373_40006_6082.N1	24-OCT-2009 22:25:09	Straylight	7.5000	173	4Bet Tri	3.0040	8900.0	15	40006	No
19	GOM_NL__2PRFIN20091024_222707_000000092083_00373_40006_6083.N1	24-OCT-2009 22:27:07	Straylight	9.0000	73	57Gam1And	2.2600	13100.	18	40006	No
20	GOM_NL__2PRFIN20091024_233010_000000032083_00374_40007_6092.N1	24-OCT-2009 23:30:10	Dark	2.5000	2	Alp Car	-0.73600	7000.0	5	40007	No

## 3. Quality information per product

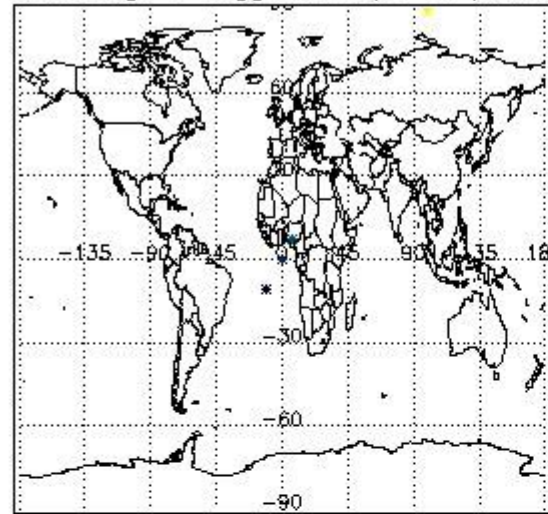
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

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

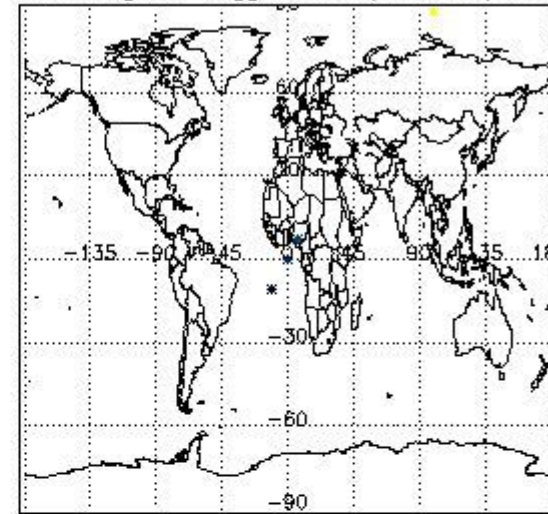


*3.2 Plot quality information per product (world map)*

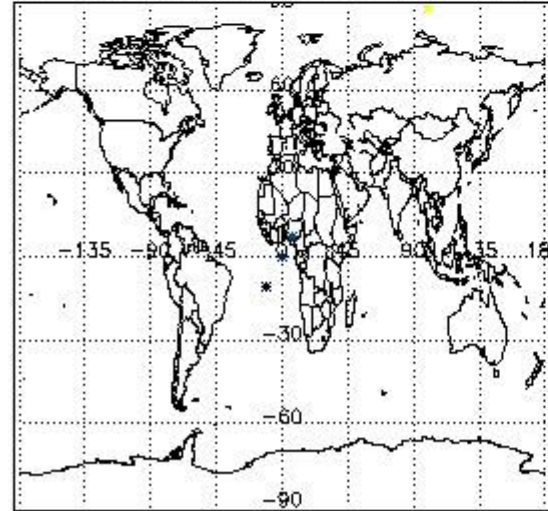
Percentage of flagged data per O3 profile



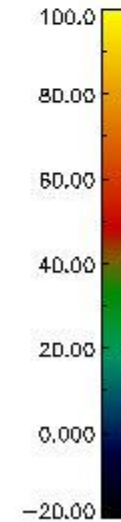
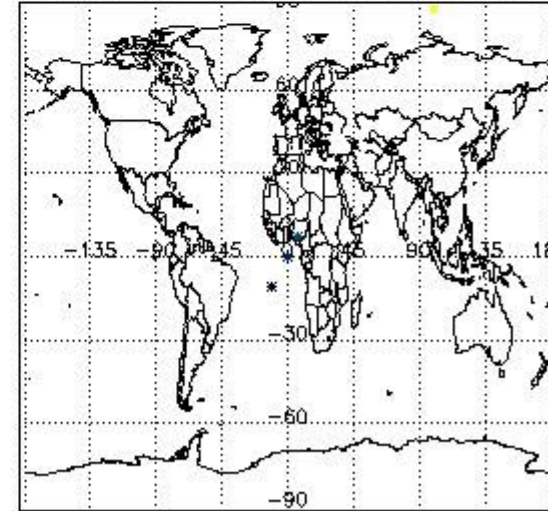
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

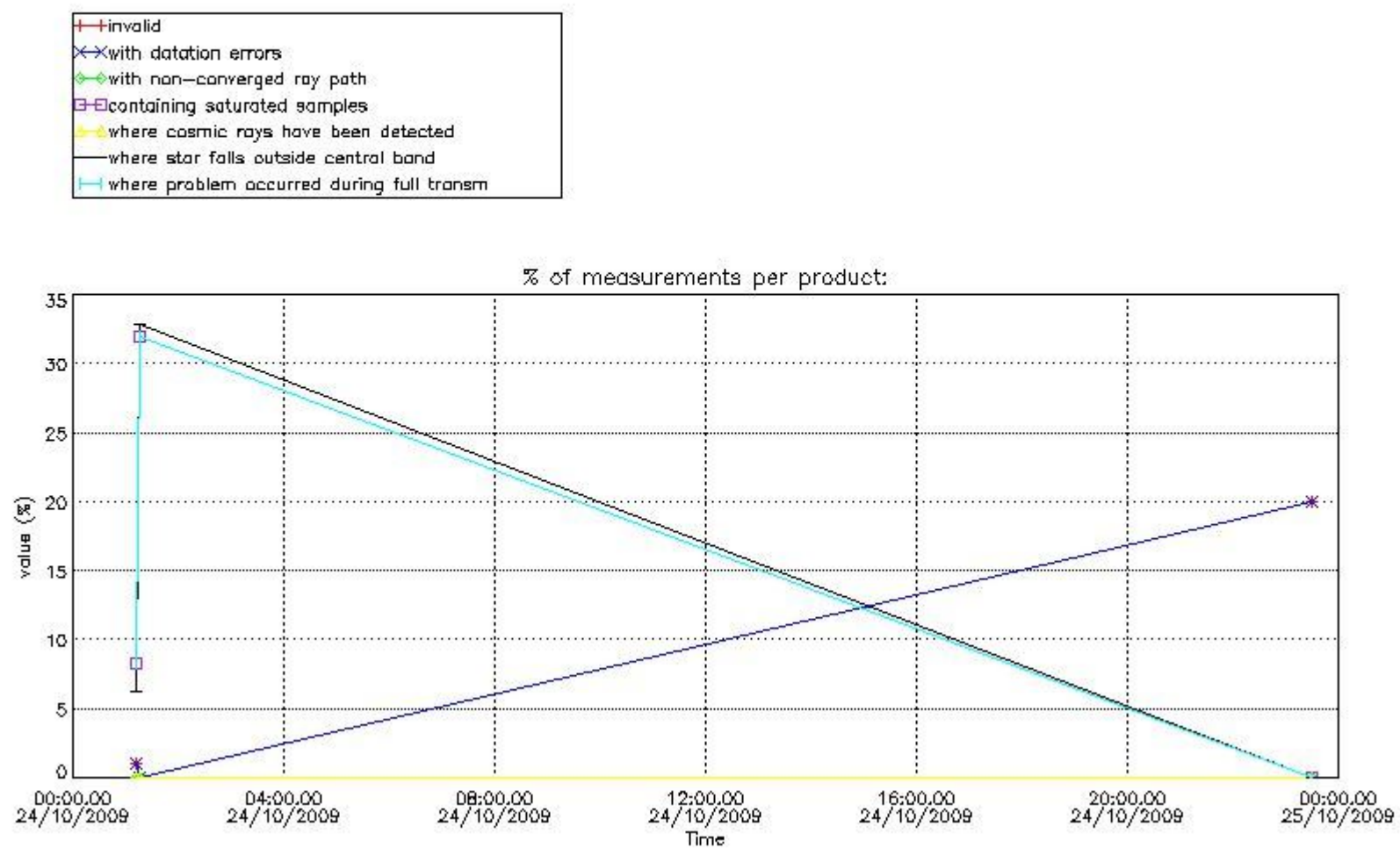


#### *4. Level 1 quality information per product*

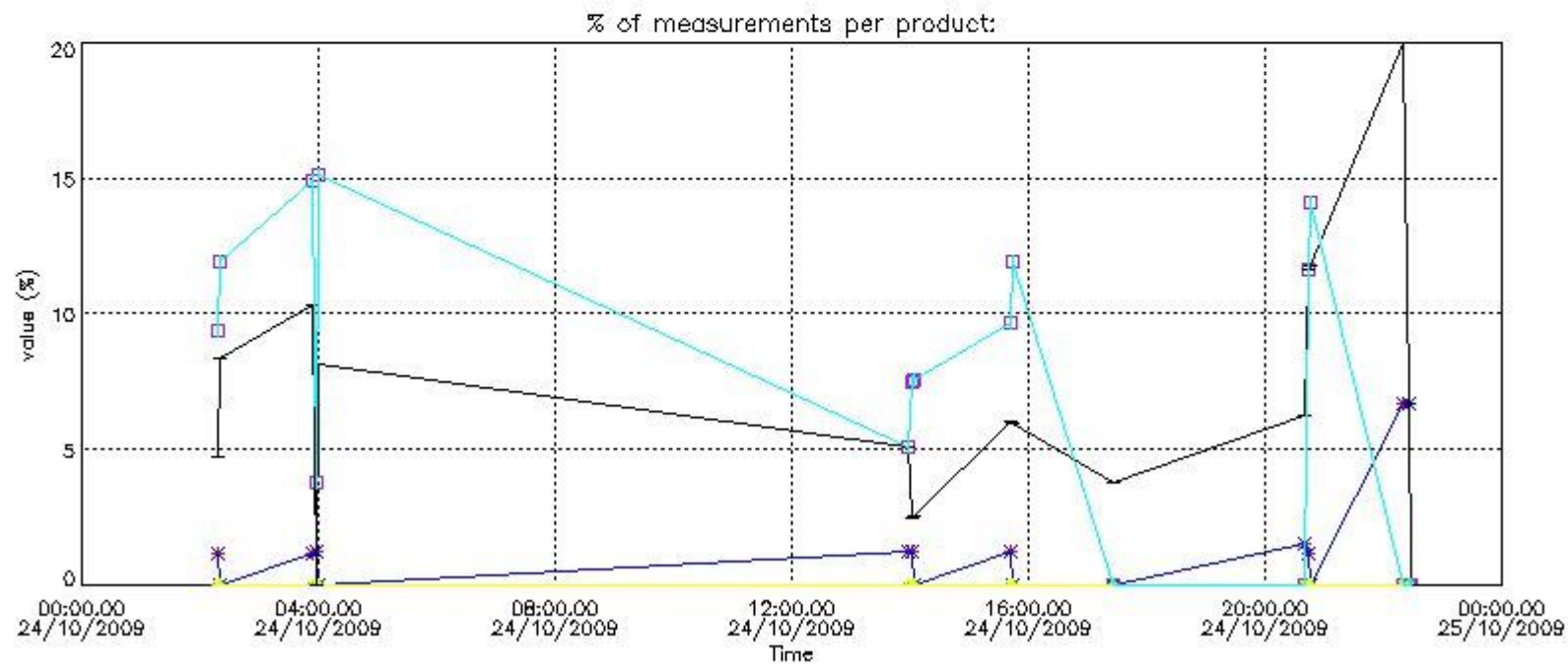
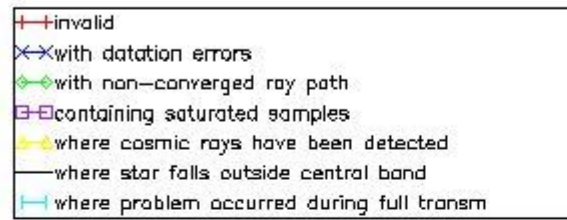
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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



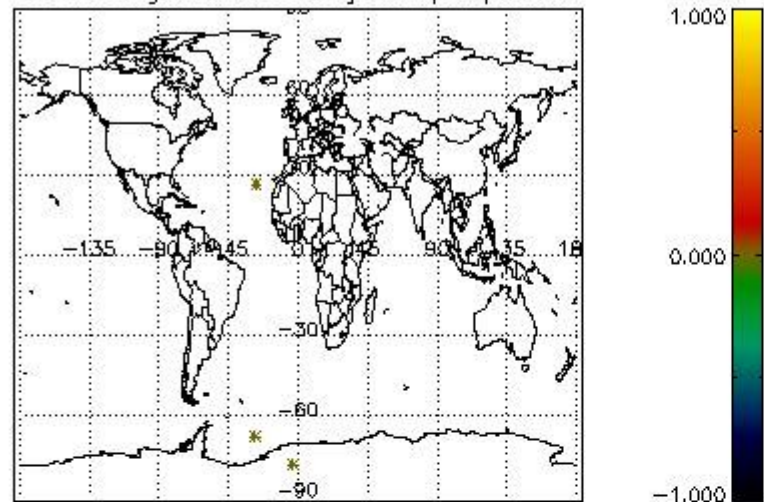
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



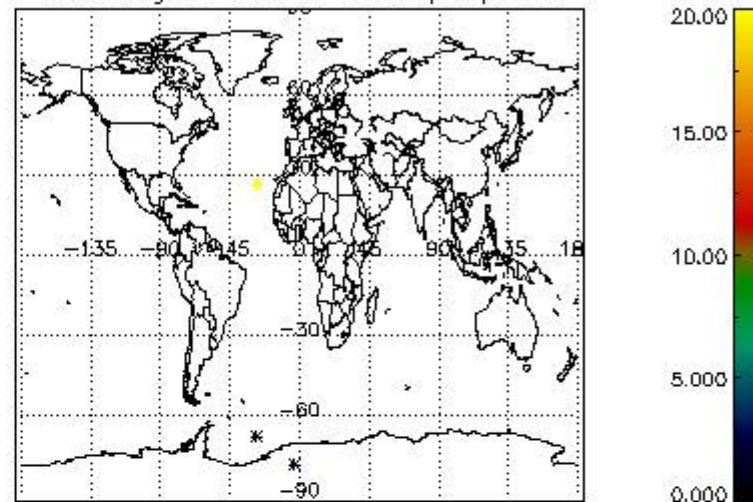
4.2 Plot quality information per product coming from level 1b processing (world map)

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

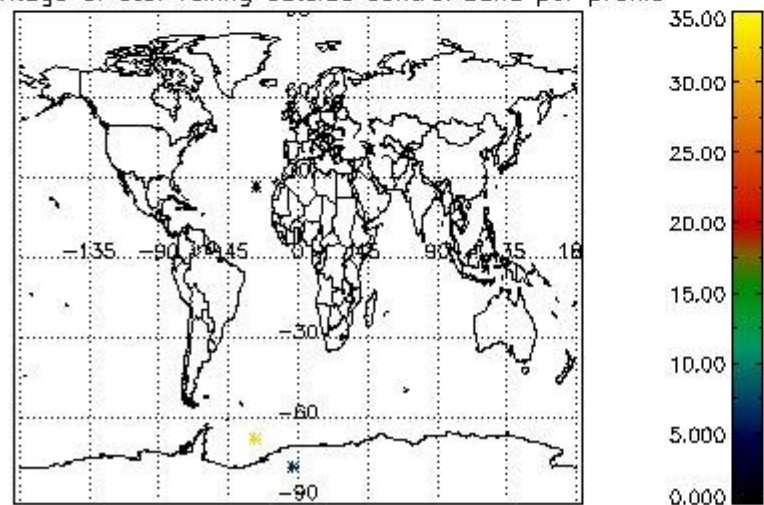
Percentage of cosmic ray hits per profile



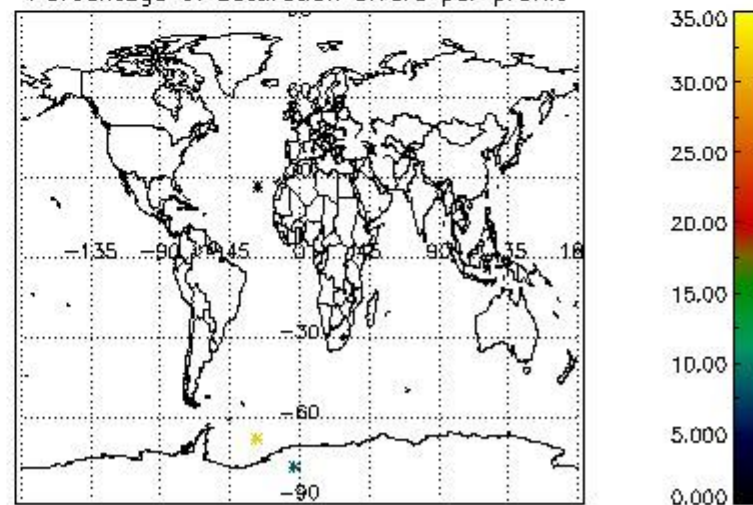
Percentage of datation errors per profile



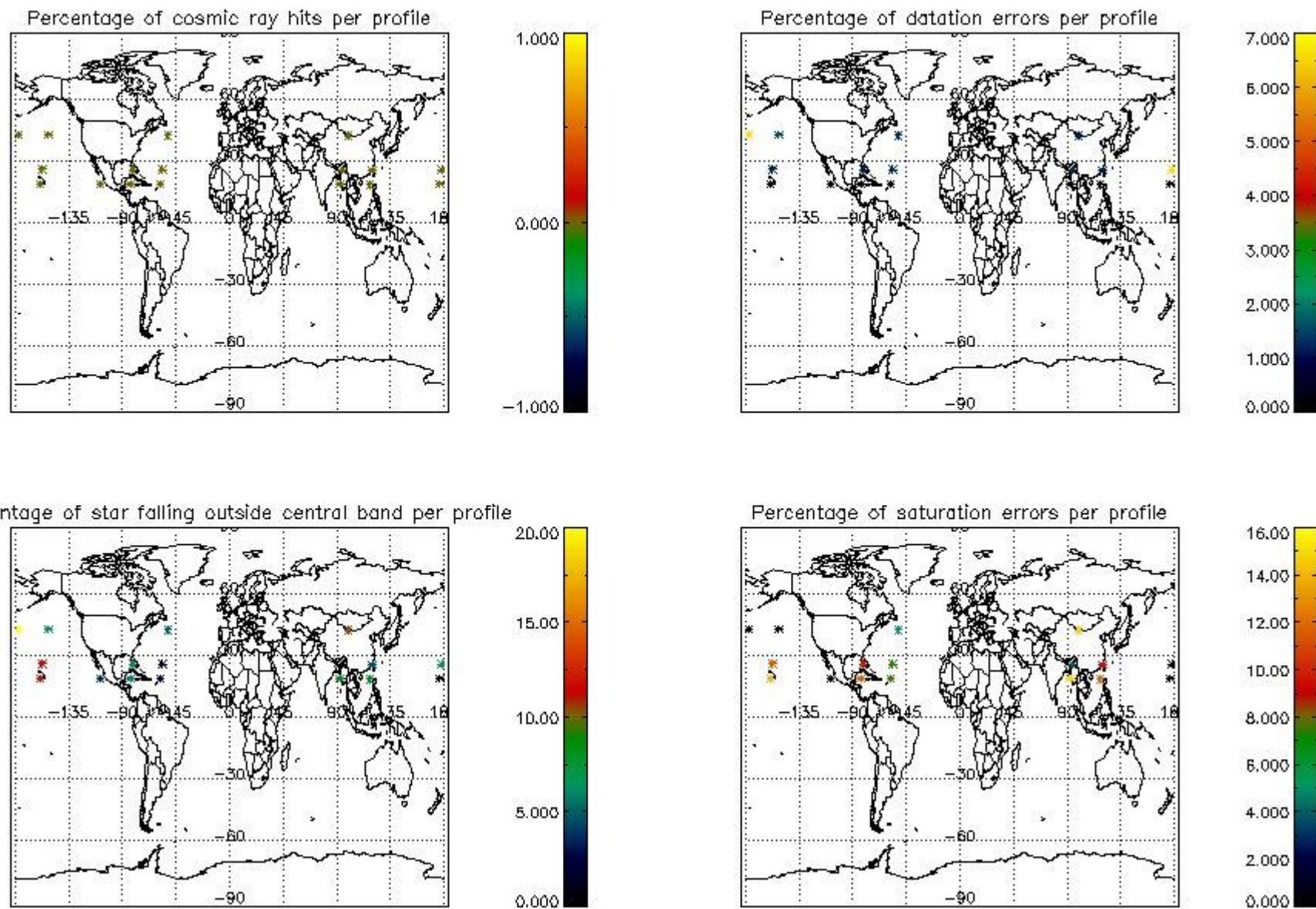
Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



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



## 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	24-OCT-2009 01:12:10
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	24-OCT-2009 01:12:10
CROSS_SECTIONS_FILE	GOM_CR2_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	24-OCT-2009 01:12:10



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

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

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Stop time of products	25-10-2009 (25OCT2009 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	20
Nb of prods with errors	0

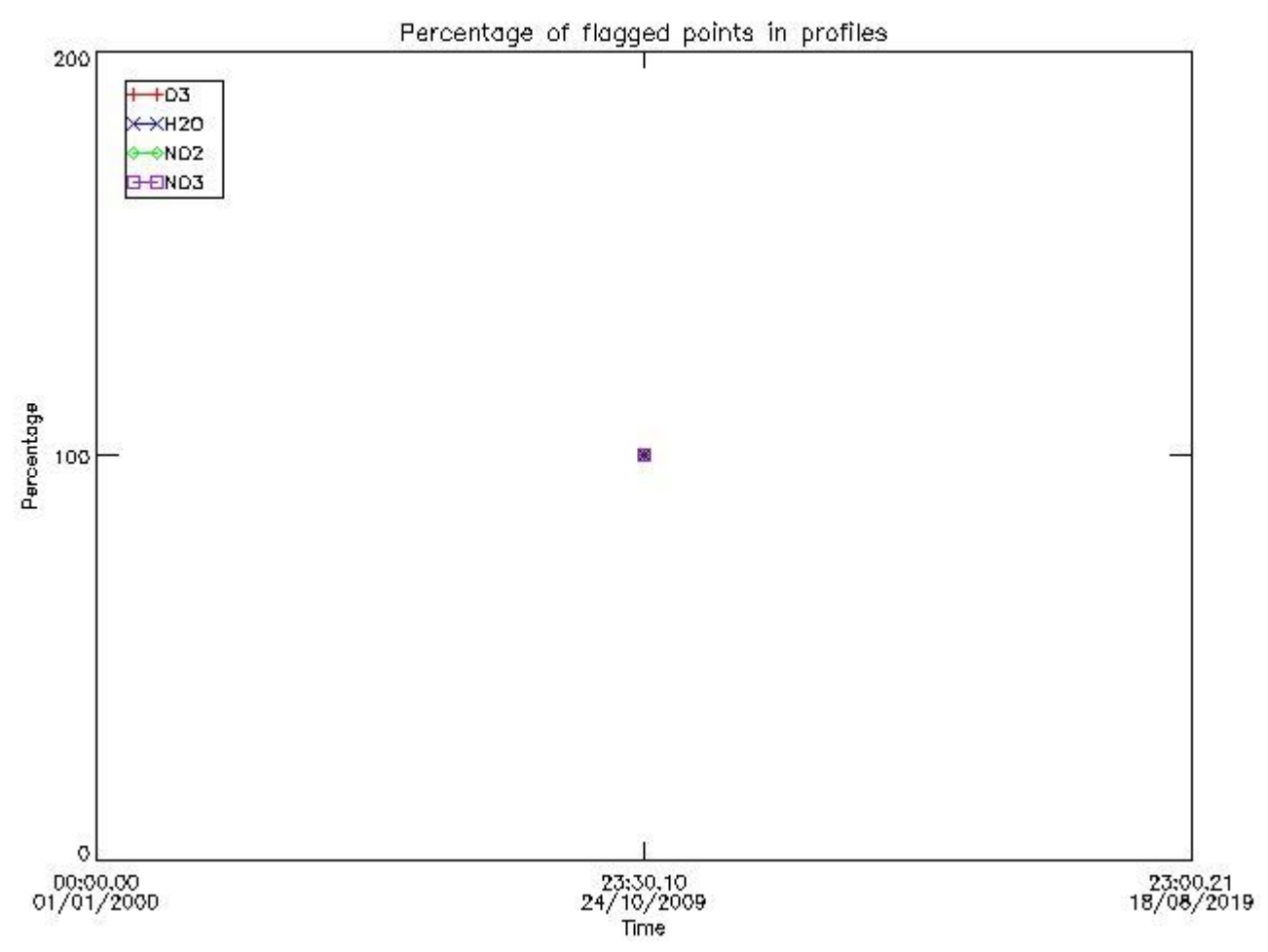
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2	GOM_NL__2PRFIN20091024_011540_000000632083_00360_39993_5902.N1	24-OCT-2009 01:15:40	Bright	62.500	22	32Alp Leo	1.3600	15200.	125	39993	No
3	GOM_NL__2PRFIN20091024_021802_000000432083_00361_39994_5915.N1	24-OCT-2009 02:18:02	Bright	42.500	173	4Bet Tri	3.0040	8900.0	85	39994	No
4	GOM_NL__2PRFIN20091024_022000_000000422083_00361_39994_5916.N1	24-OCT-2009 02:20:00	Bright	42.000	73	57Gam1And	2.2600	13100.	84	39994	No
5	GOM_NL__2PRFIN20091024_035355_000000442083_00362_39995_5926.N1	24-OCT-2009 03:53:55	Bright	43.500	105	6Bet Ari	2.6450	8900.0	87	39995	No
6	GOM_NL__2PRFIN20091024_035837_000000402083_00362_39995_5927.N1	24-OCT-2009 03:58:37	Bright	39.500	173	4Bet Tri	3.0040	8900.0	79	39995	No
7	GOM_NL__2PRFIN20091024_040036_000000432083_00362_39995_5928.N1	24-OCT-2009 04:00:36	Bright	43.000	73	57Gam1And	2.2600	13100.	86	39995	No
8	GOM_NL__2PRFIN20091024_135728_000000402083_00368_40001_6008.N1	24-OCT-2009 13:57:28	Bright	39.500	105	6Bet Ari	2.6450	8900.0	79	40001	No
9	GOM_NL__2PRFIN20091024_140210_000000402083_00368_40001_6009.N1	24-OCT-2009 14:02:10	Bright	40.000	173	4Bet Tri	3.0040	8900.0	80	40001	No
10	GOM_NL__2PRFIN20091024_140409_000000402083_00368_40001_6010.N1	24-OCT-2009 14:04:09	Bright	39.500	73	57Gam1And	2.2600	13100.	79	40001	No
11	GOM_NL__2PRFIN20091024_154246_000000422083_00369_40002_6018.N1	24-OCT-2009 15:42:46	Bright	41.500	173	4Bet Tri	3.0040	8900.0	83	40002	No
12	GOM_NL__2PRFIN20091024_154444_000000422083_00369_40002_6019.N1	24-OCT-2009 15:44:44	Bright	42.000	73	57Gam1And	2.2600	13100.	84	40002	No
13	GOM_NL__2PRFIN20091024_172520_000000272083_00370_40003_6030.N1	24-OCT-2009 17:25:20	Twilight	26.500	73	57Gam1And	2.2600	13100.	53	40003	No
14	GOM_NL__2PRFIN20091024_203950_000000322083_00372_40005_6052.N1	24-OCT-2009 20:39:50	Bright	32.000	105	6Bet Ari	2.6450	8900.0	64	40005	No
15	GOM_NL__2PRFIN20091024_204432_000000432083_00372_40005_6053.N1	24-OCT-2009 20:44:32	Bright	43.000	173	4Bet Tri	3.0040	8900.0	86	40005	No
16	GOM_NL__2PRFIN20091024_204631_000000432083_00372_40005_6054.N1	24-OCT-2009 20:46:31	Bright	42.500	73	57Gam1And	2.2600	13100.	85	40005	No
17	GOM_NL__2PRFIN20091024_222027_000000082083_00373_40006_6081.N1	24-OCT-2009 22:20:27	Straylight	7.5000	105	6Bet Ari	2.6450	8900.0	15	40006	No
18	GOM_NL__2PRFIN20091024_222509_000000082083_00373_40006_6082.N1	24-OCT-2009 22:25:09	Straylight	7.5000	173	4Bet Tri	3.0040	8900.0	15	40006	No
19	GOM_NL__2PRFIN20091024_222707_000000092083_00373_40006_6083.N1	24-OCT-2009 22:27:07	Straylight	9.0000	73	57Gam1And	2.2600	13100.	18	40006	No
20	GOM_NL__2PRFIN20091024_233010_000000032083_00374_40007_6092.N1	24-OCT-2009 23:30:10	Dark	2.5000	2	Alp Car	-0.73600	7000.0	5	40007	No

## 3. Quality information per product

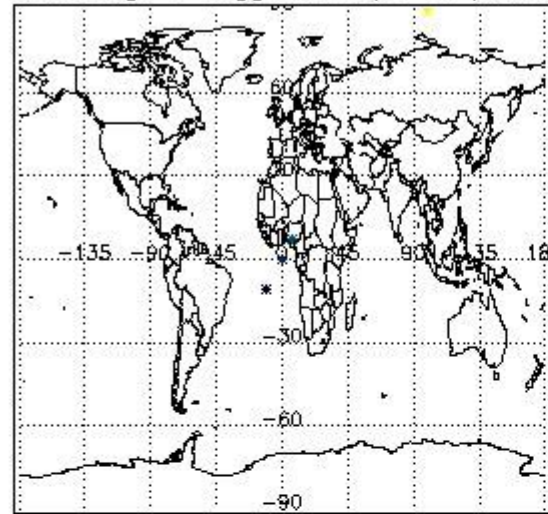
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

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

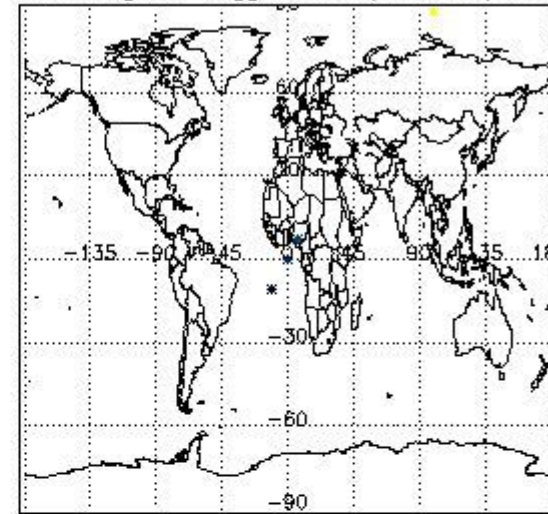


*3.2 Plot quality information per product (world map)*

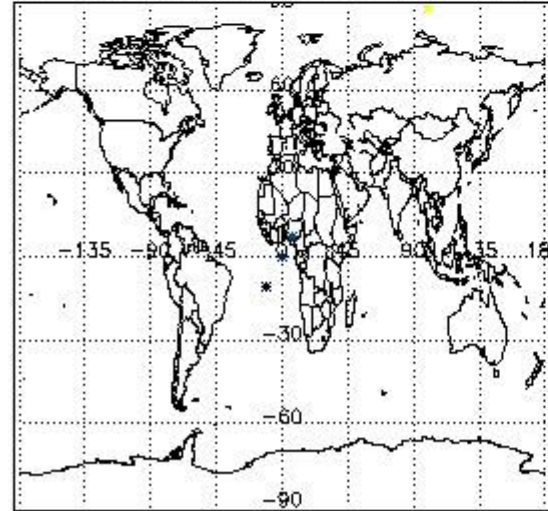
Percentage of flagged data per O3 profile



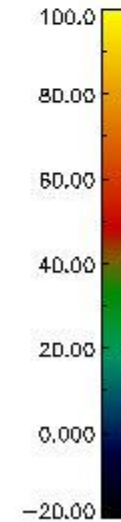
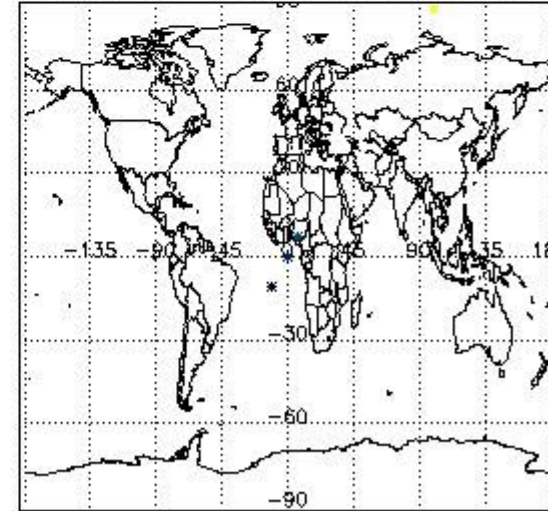
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

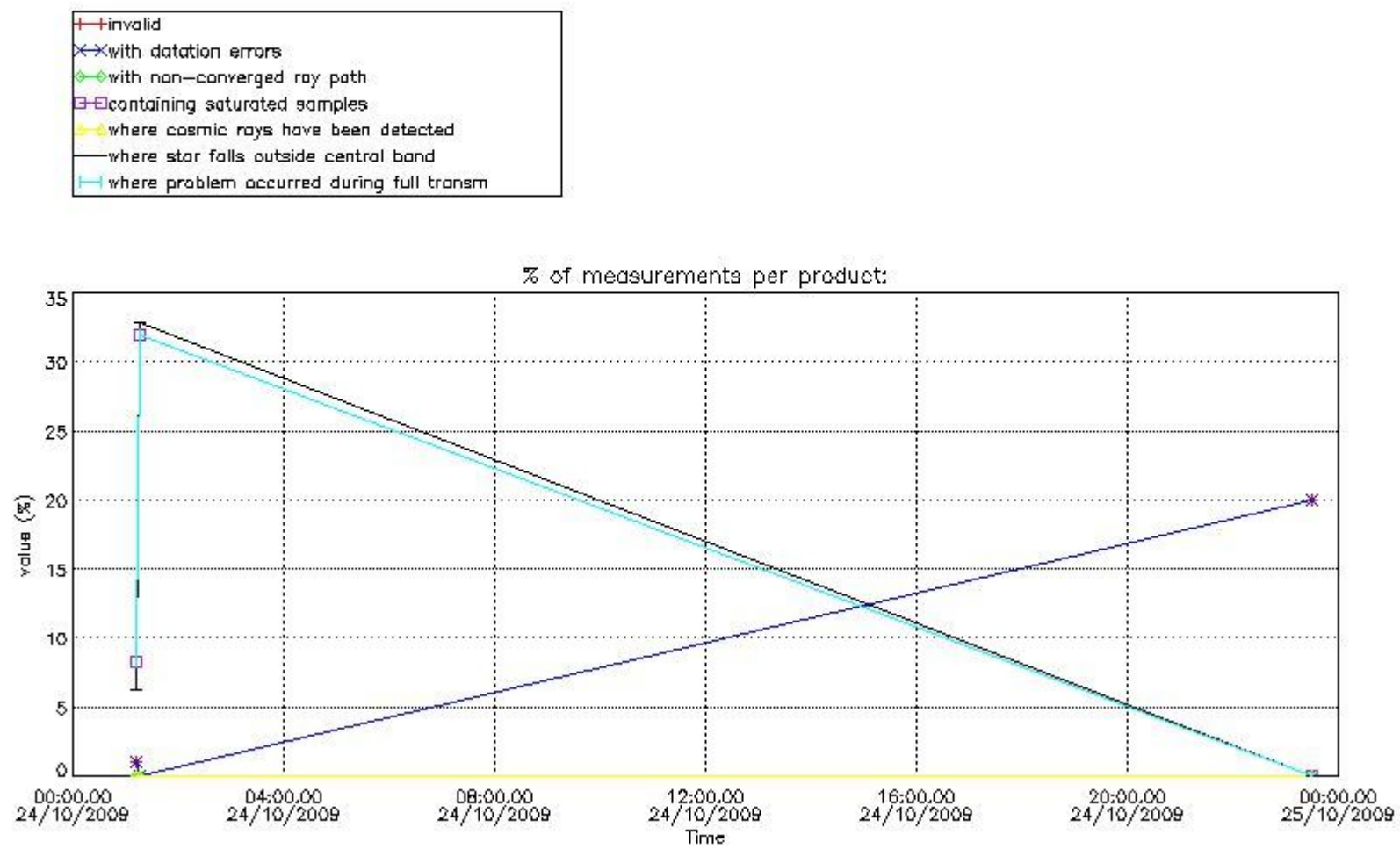


#### 4. Level 1 quality information per product

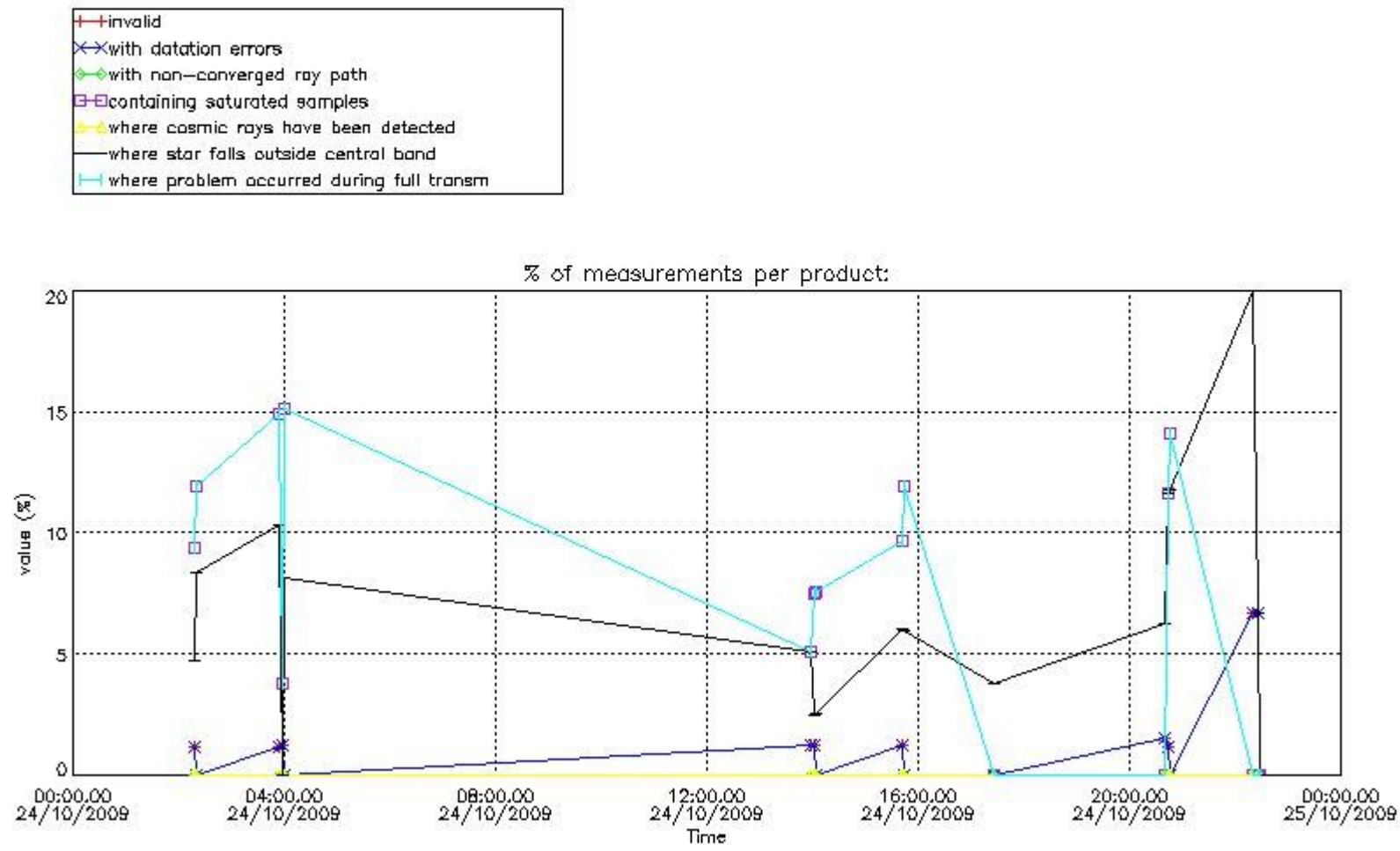
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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



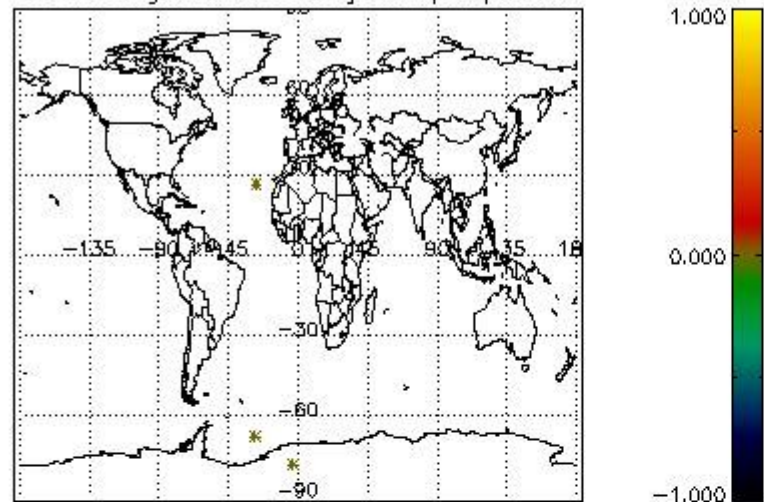
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



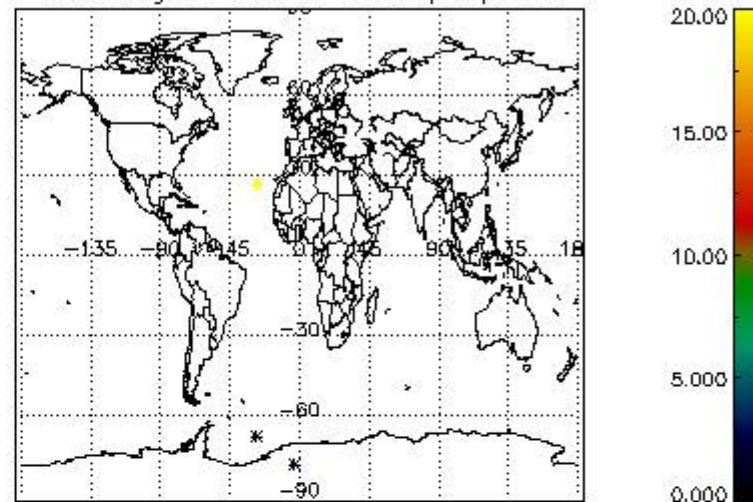
4.2 Plot quality information per product coming from level 1b processing (world map)

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

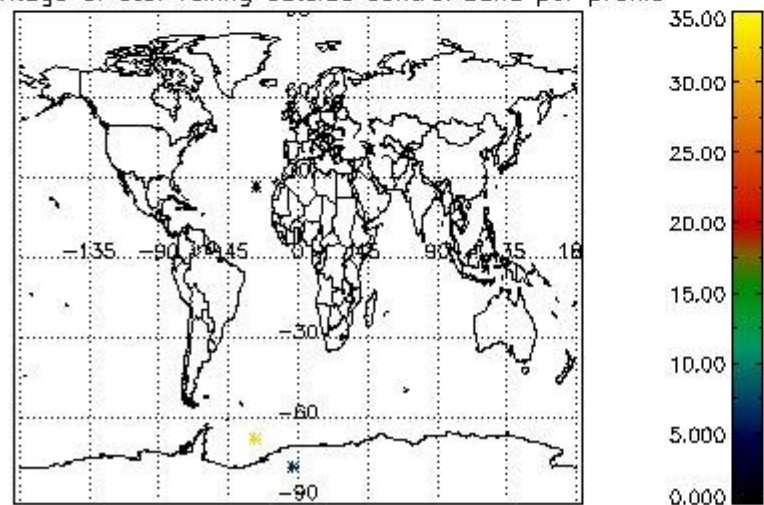
Percentage of cosmic ray hits per profile



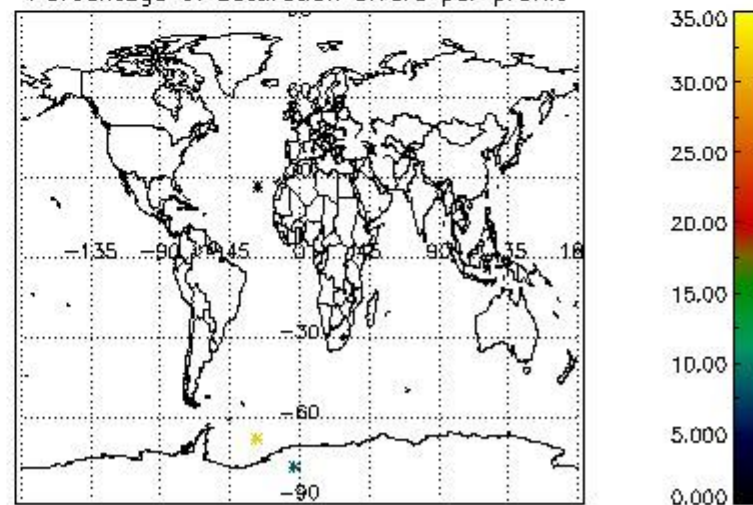
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

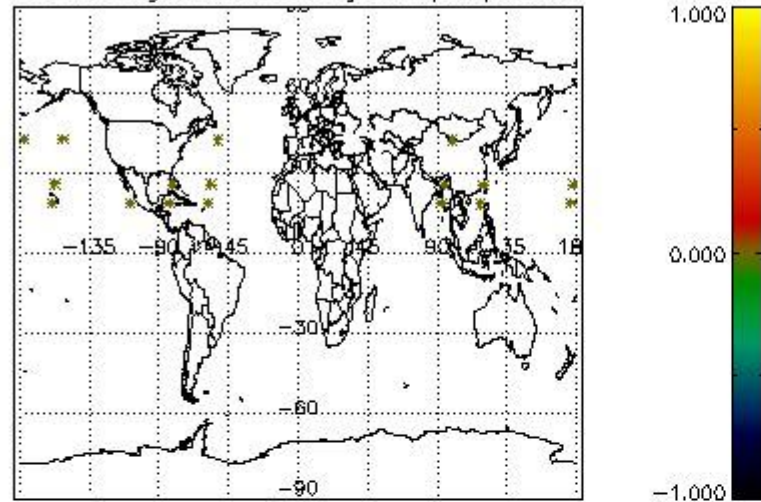


Percentage of saturation errors per profile

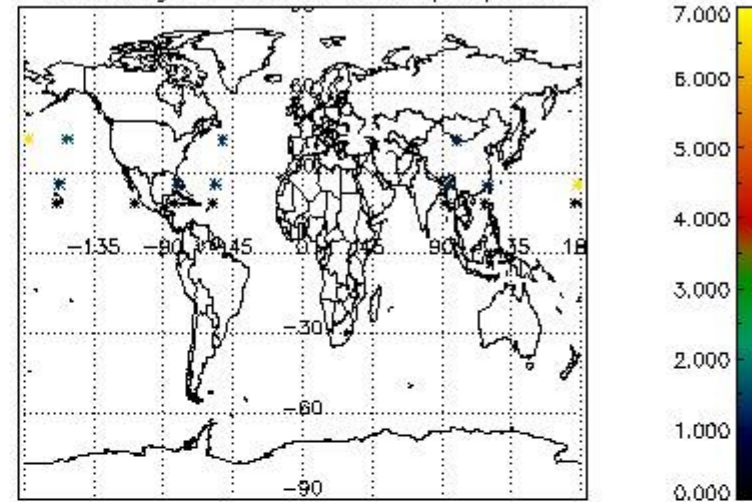


4.2.2 Plot level 1 quality information per product (world map): ENVISAT DESCENDING passes

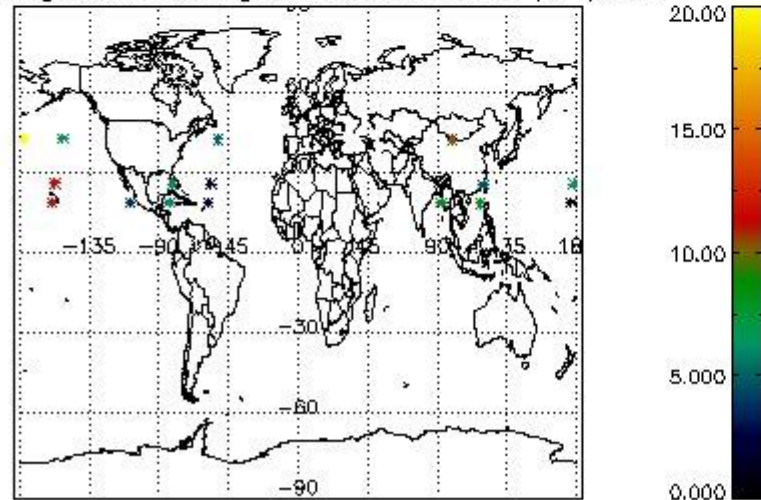
Percentage of cosmic ray hits per profile



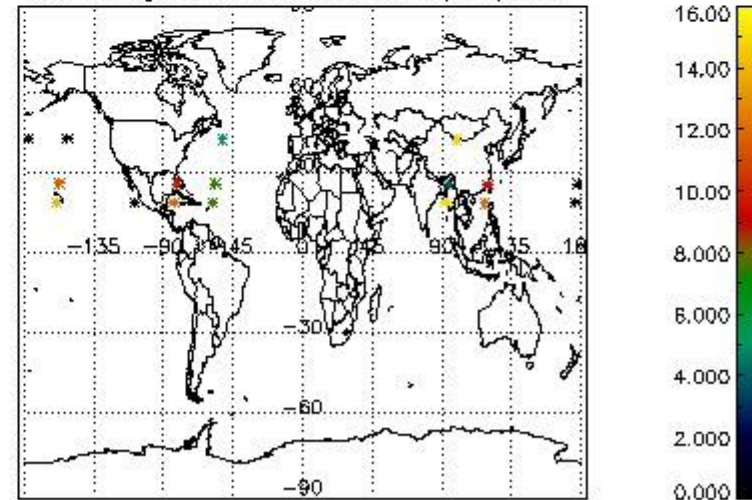
Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

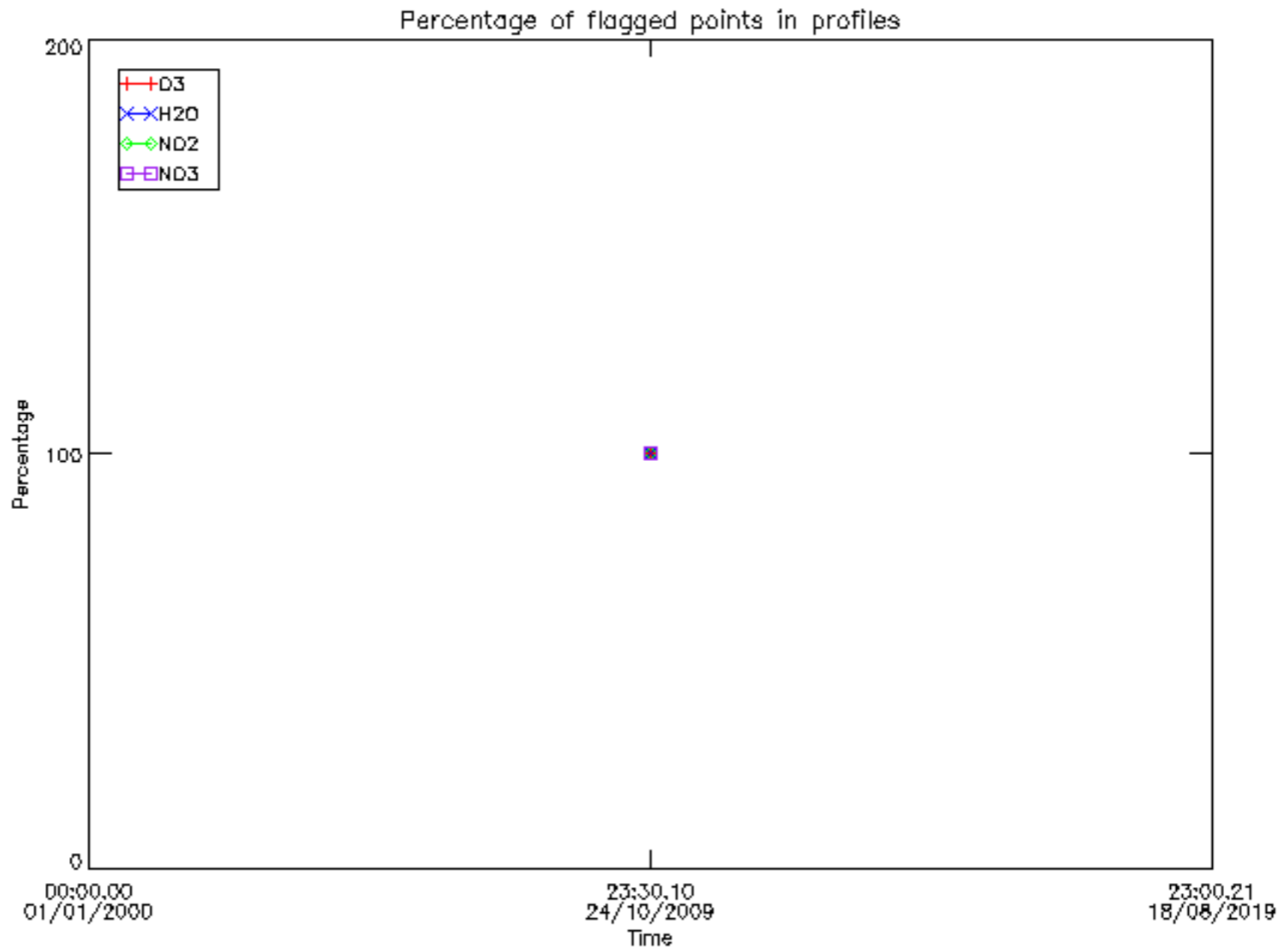


## 6. Auxiliary Data Files used for the production reported in section 2

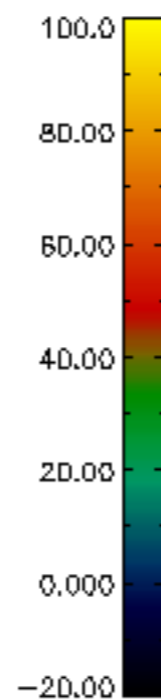
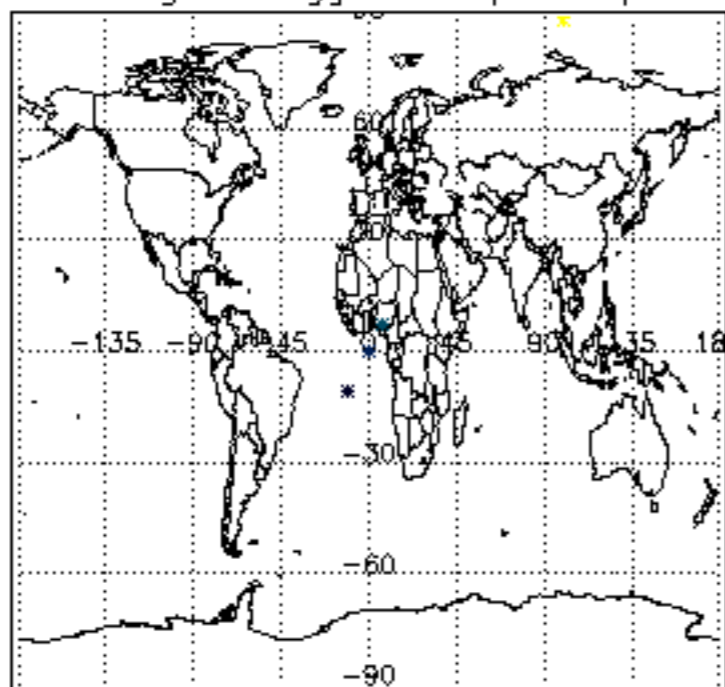
The number reported in the third column indicates since which file (see list in section 2) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	24-OCT-2009 01:12:10
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	24-OCT-2009 01:12:10
CROSS_SECTIONS_FILE	GOM_CR2_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	24-OCT-2009 01:12:10

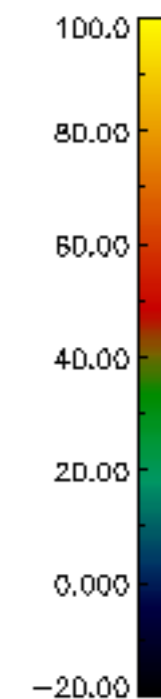
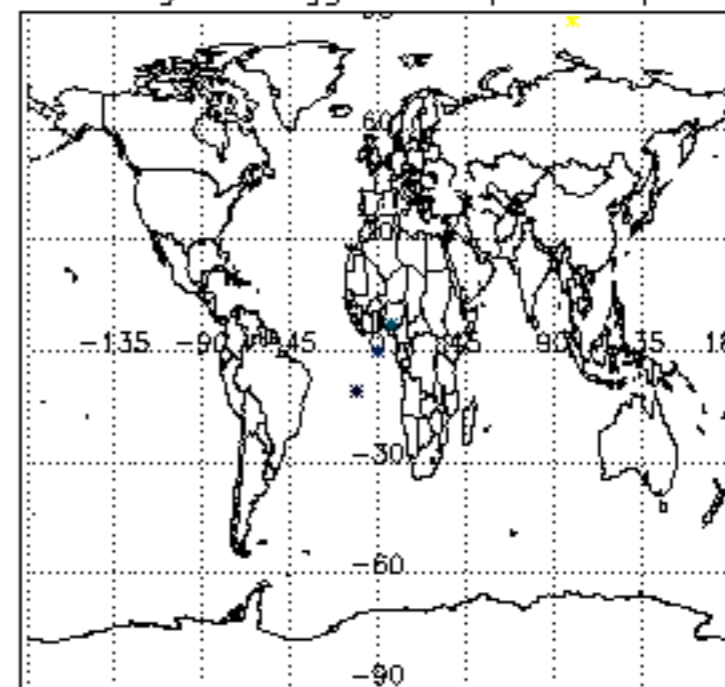




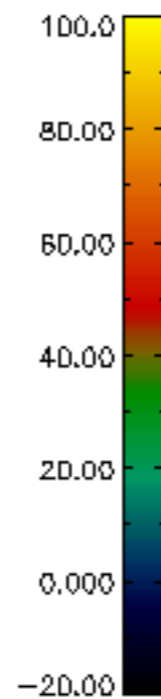
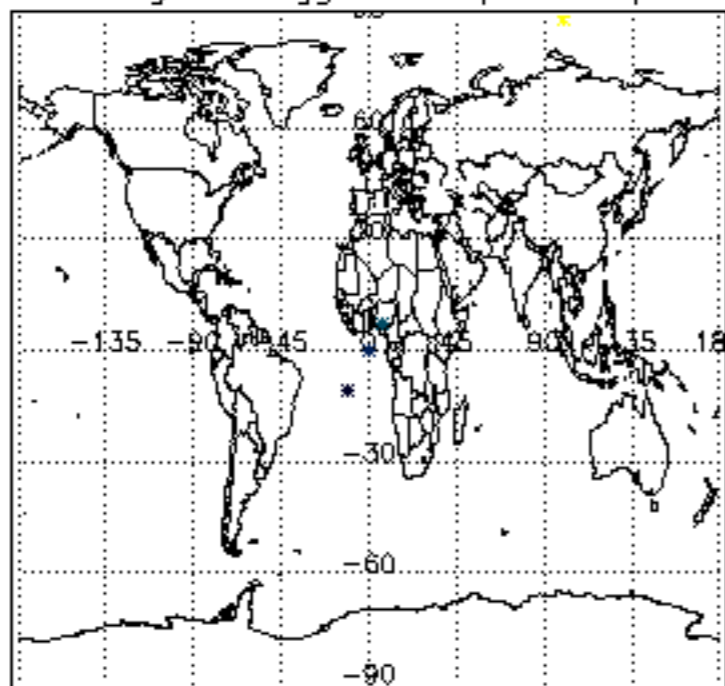
Percentage of flagged data per D3 profile



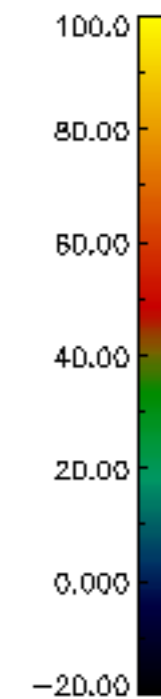
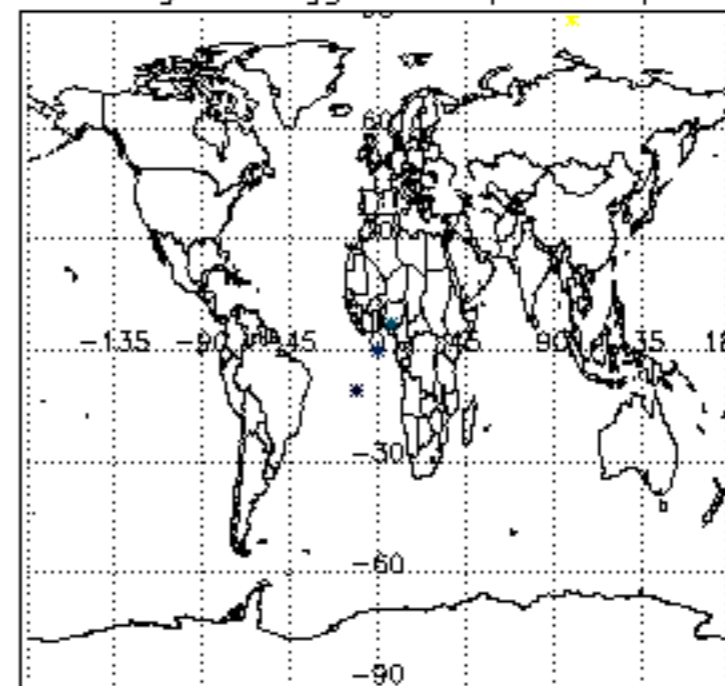
Percentage of flagged data per H2O profile

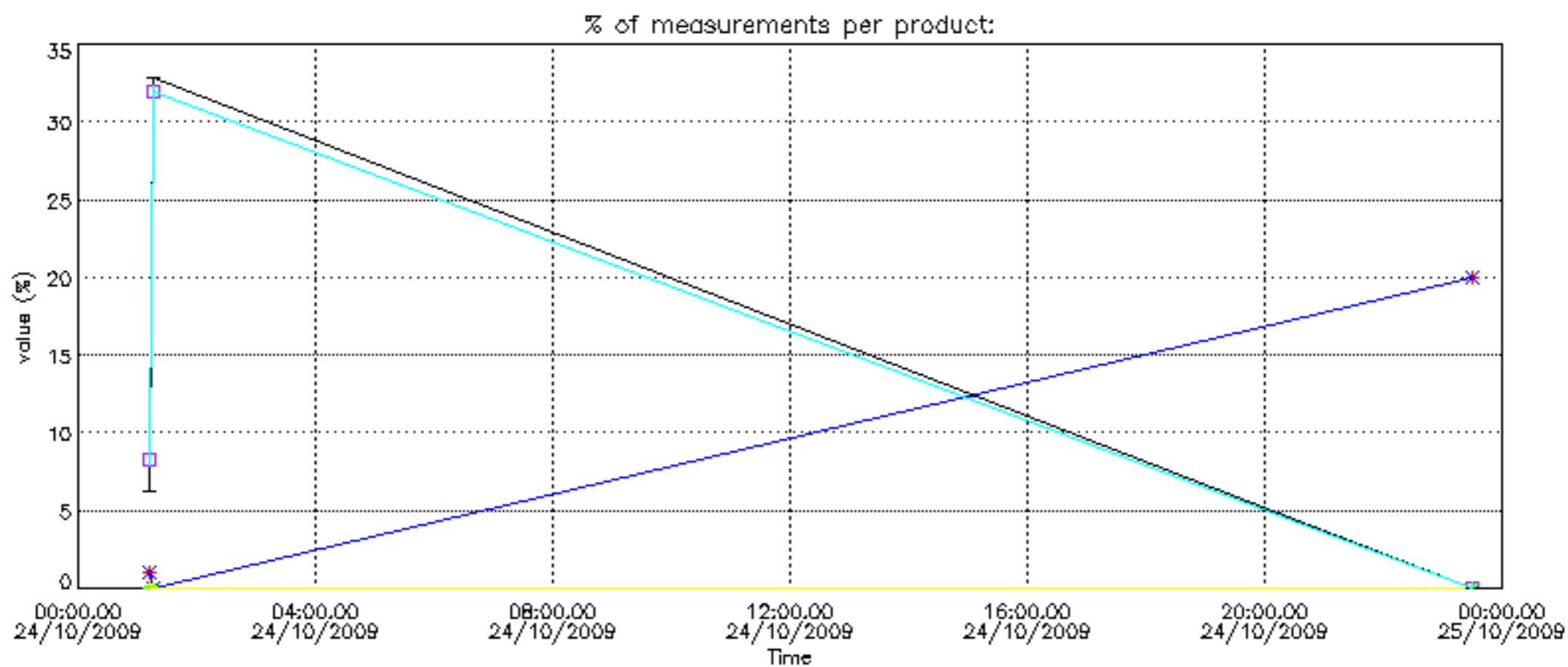
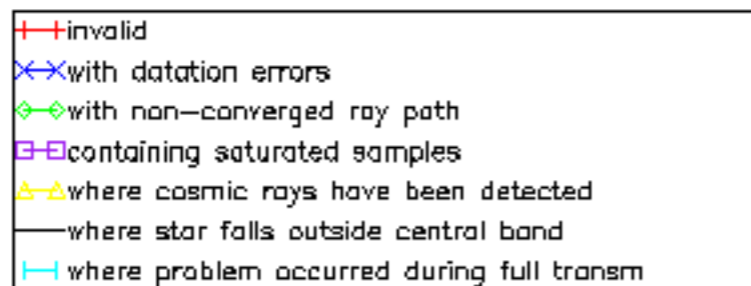


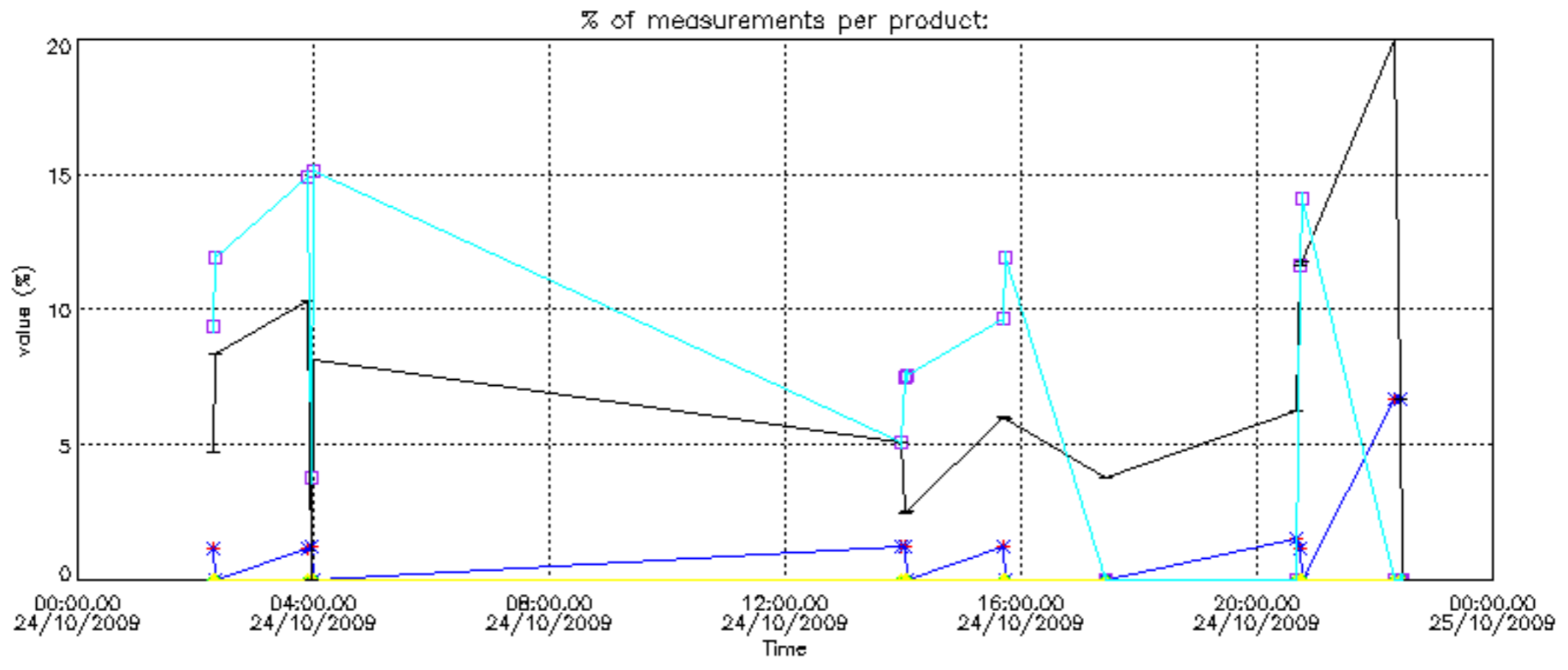
Percentage of flagged data per NO2 profile



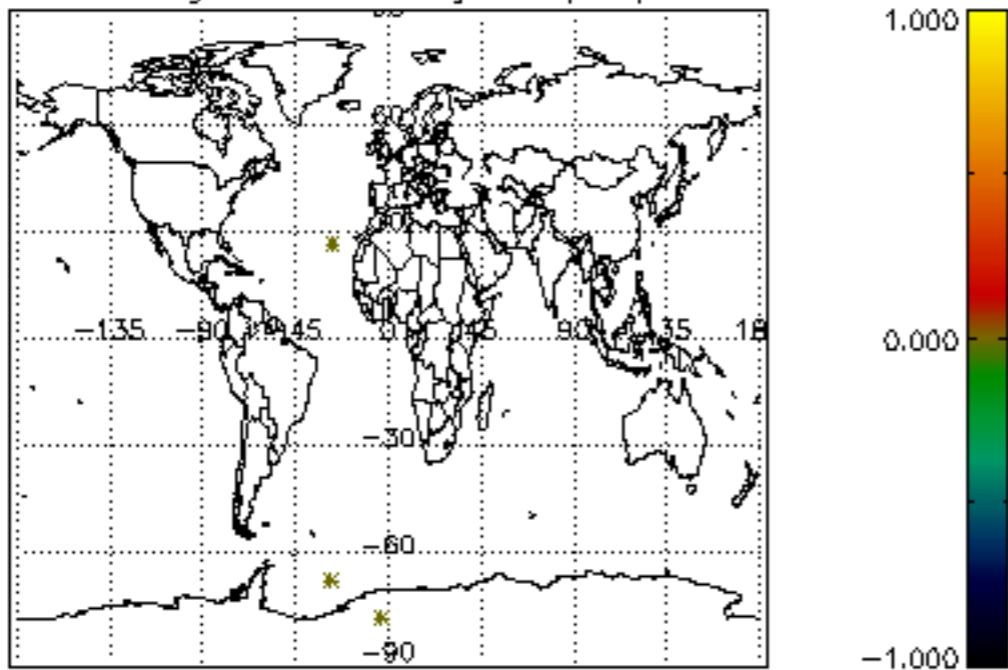
Percentage of flagged data per NO3 profile



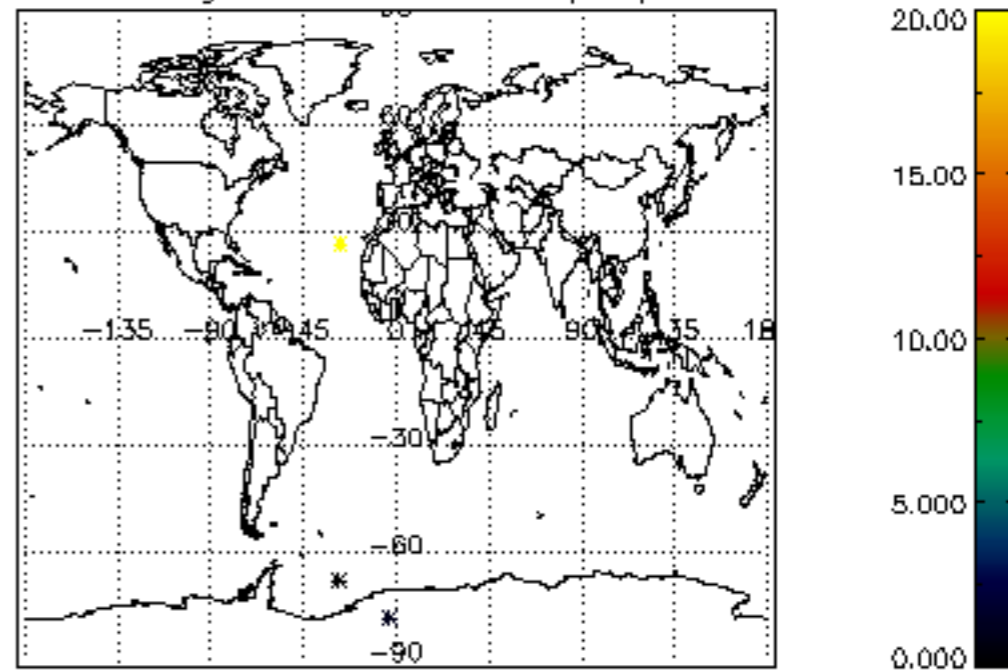




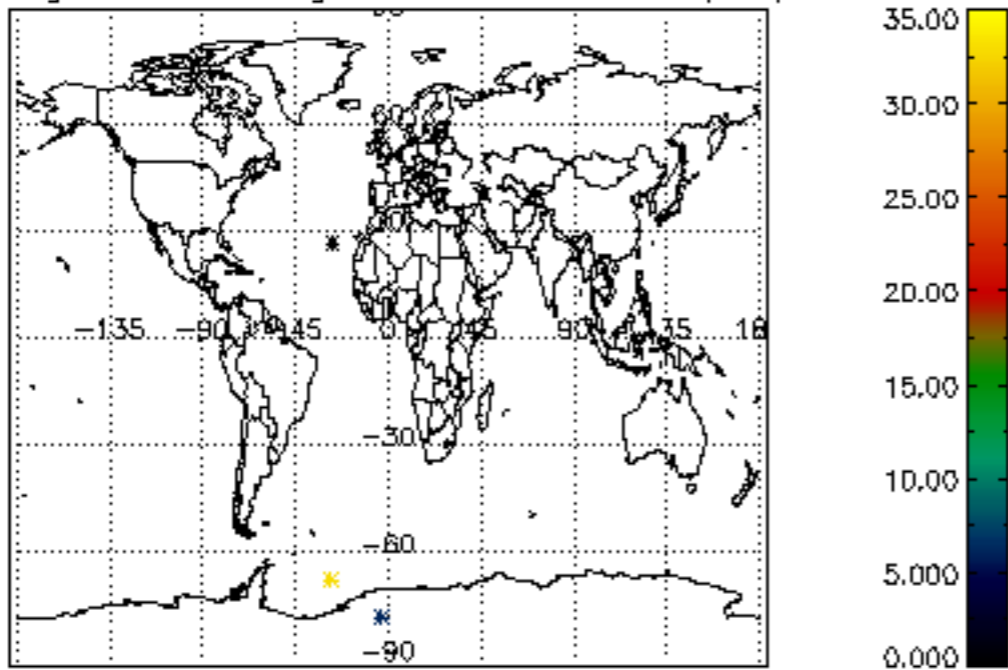
Percentage of cosmic ray hits per profile



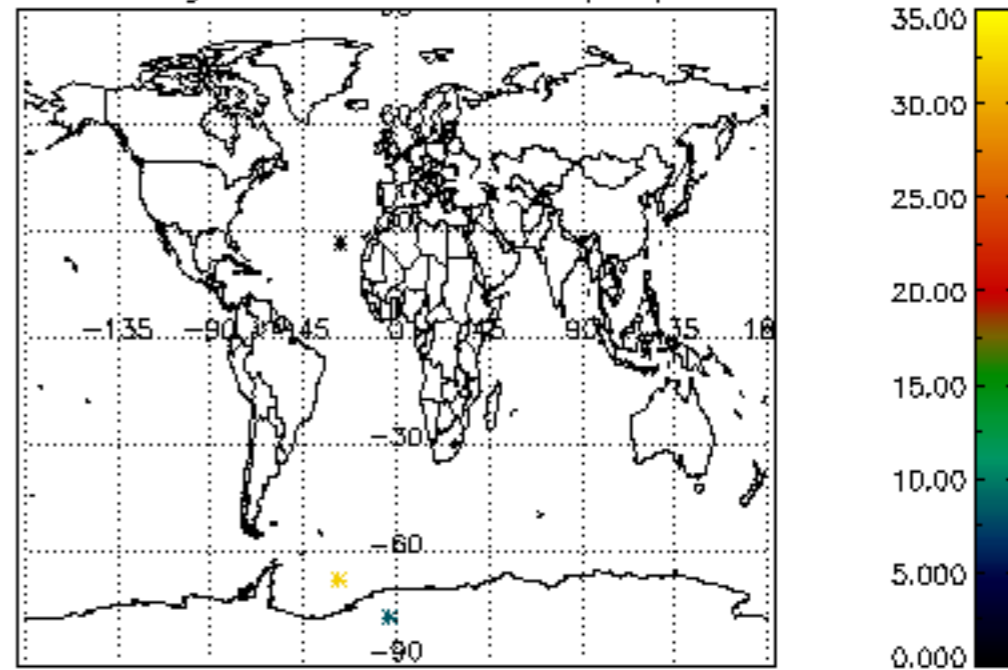
Percentage of datation errors per profile



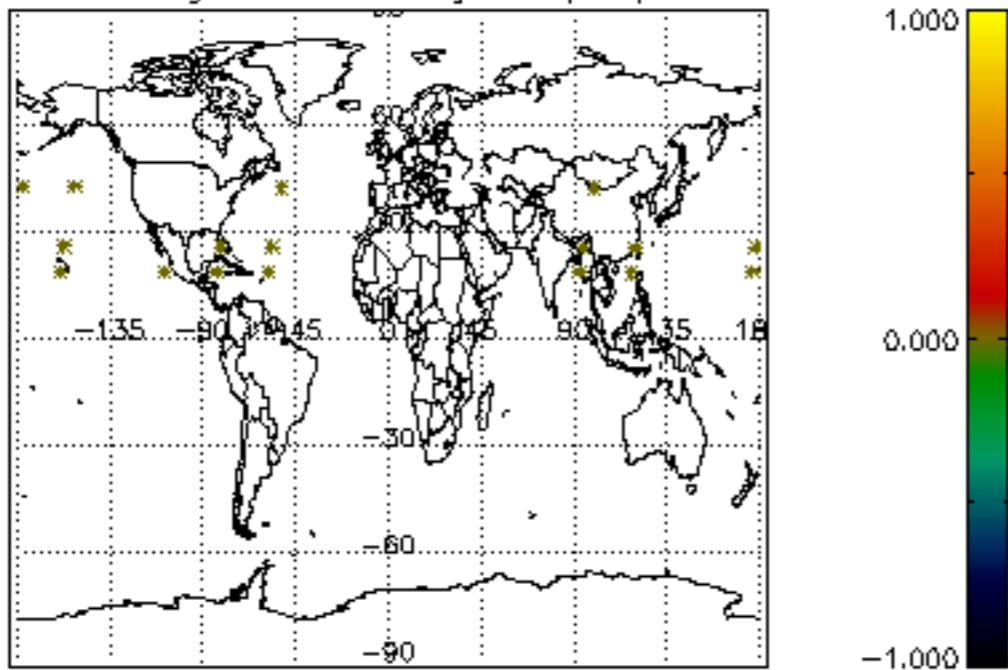
Percentage of star falling outside central band per profile



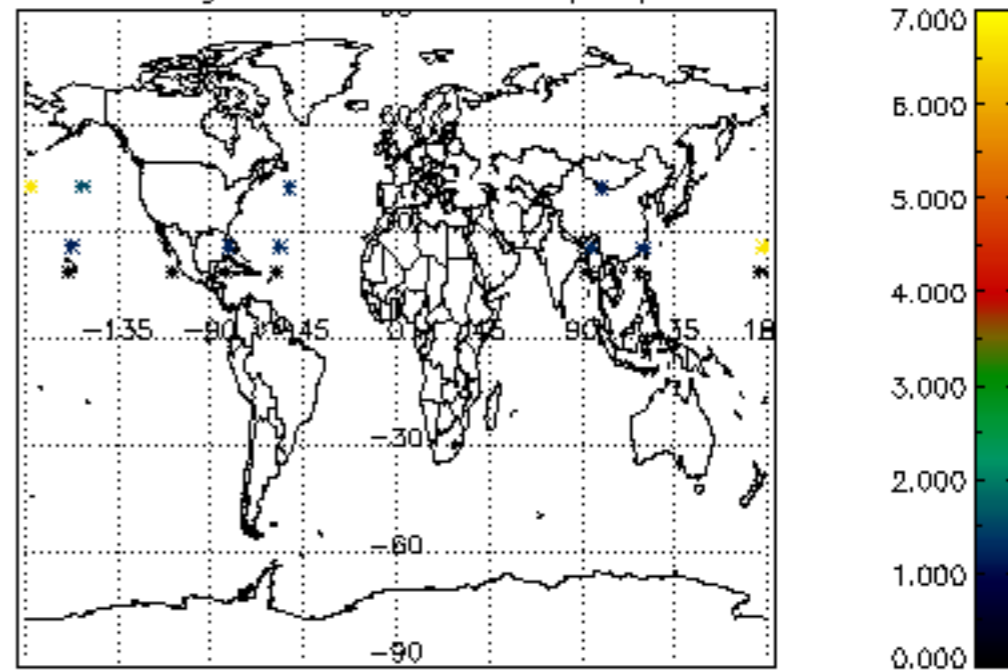
Percentage of saturation errors per profile



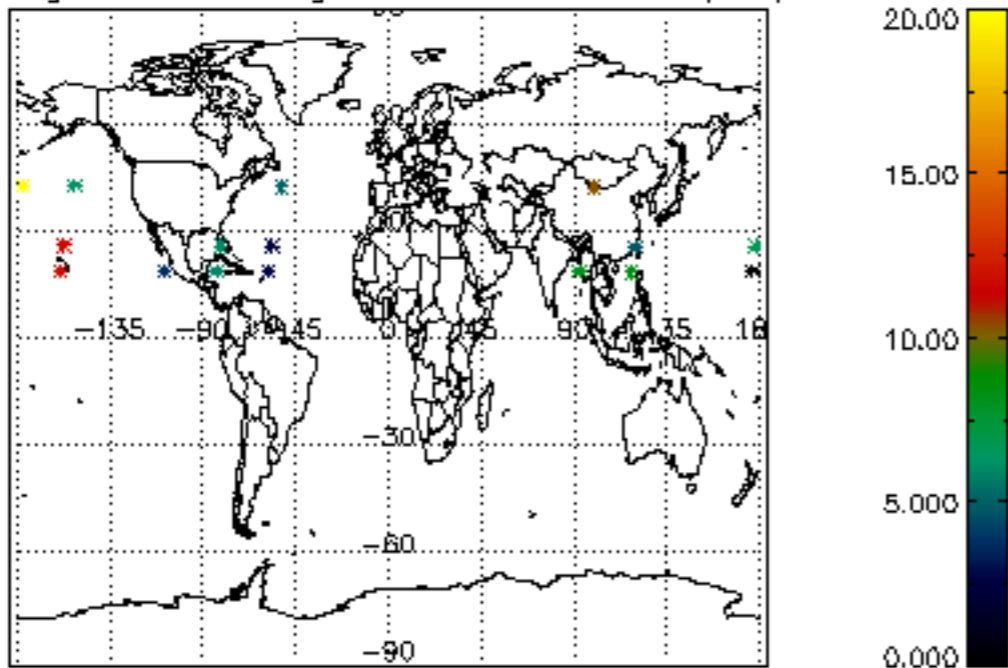
Percentage of cosmic ray hits per profile



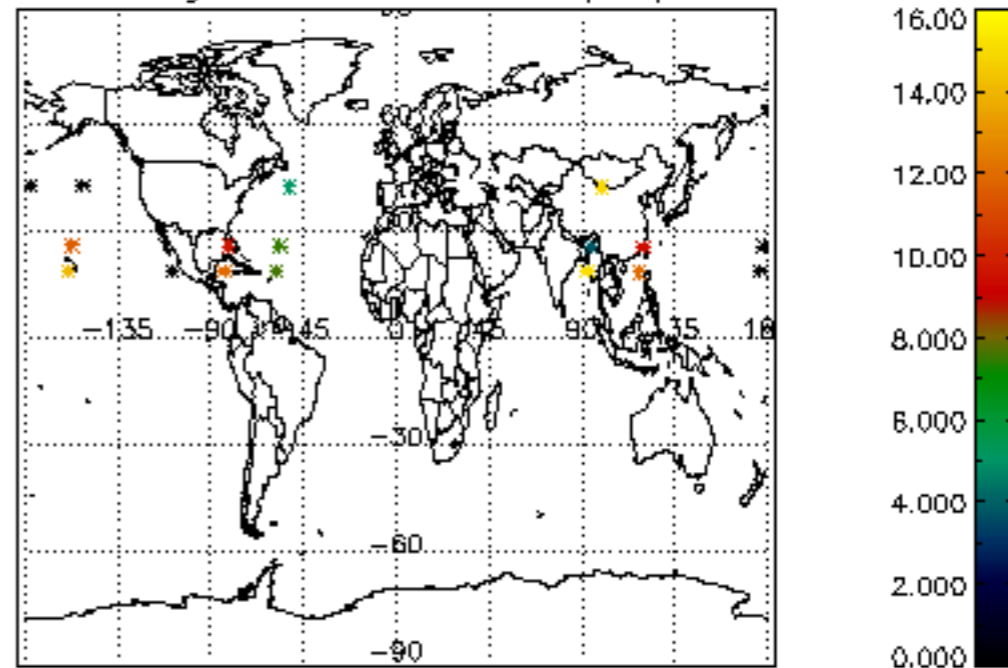
Percentage of datation errors per profile

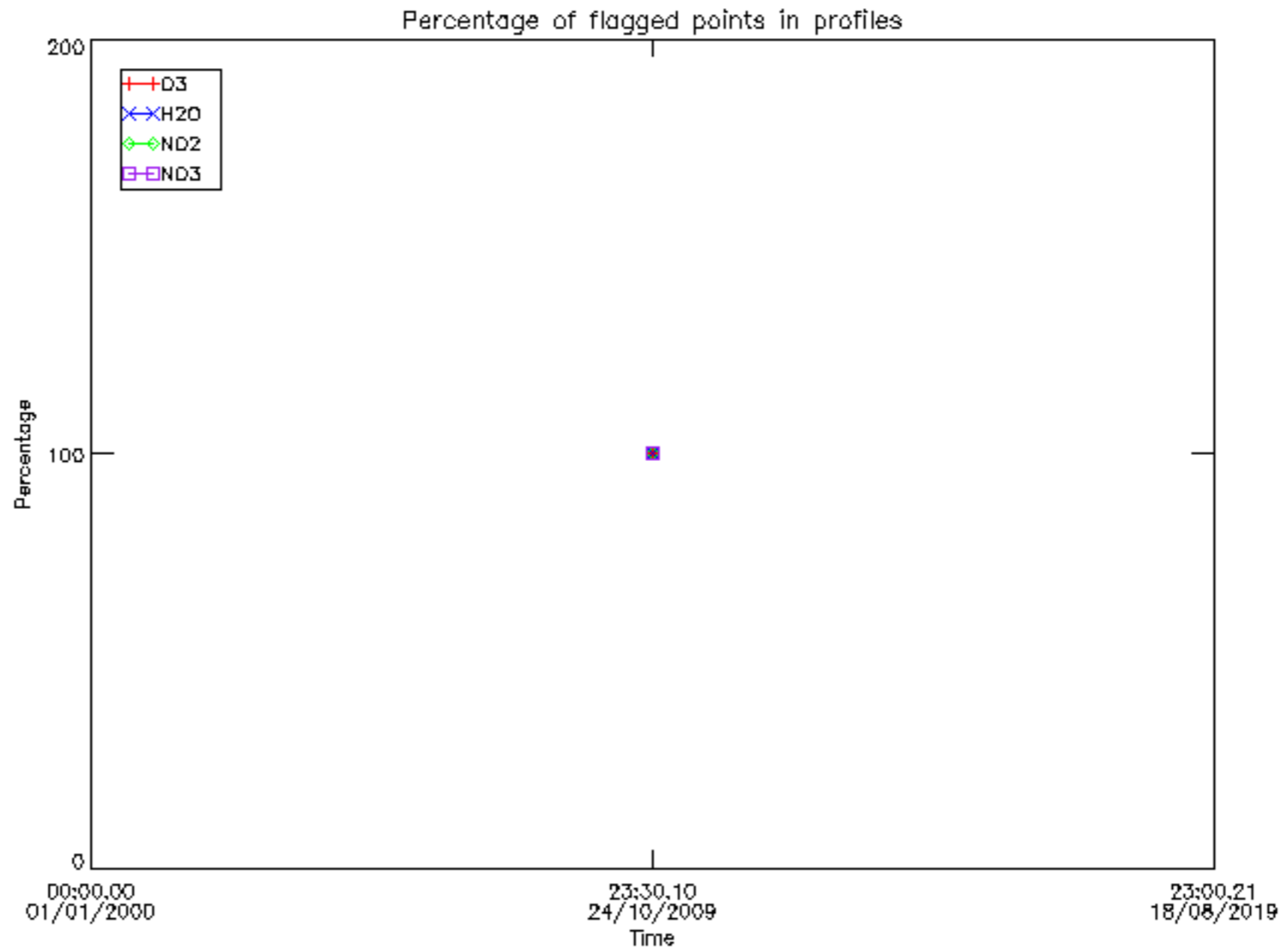


Percentage of star falling outside central band per profile

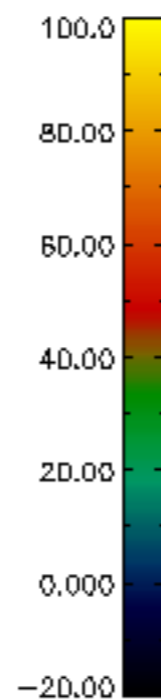
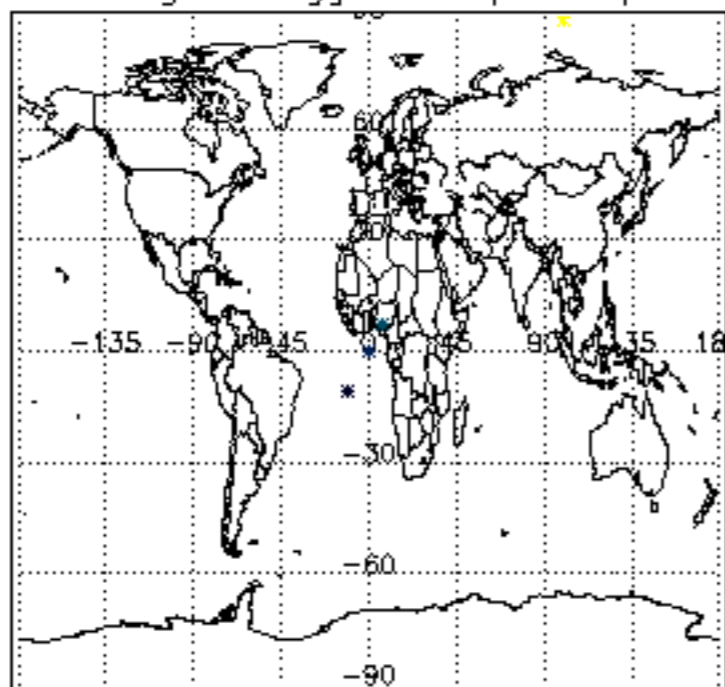


Percentage of saturation errors per profile

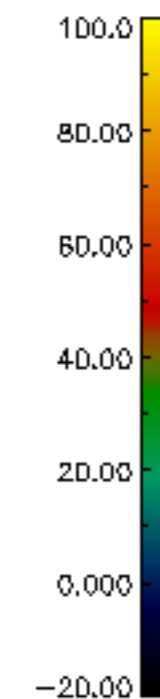
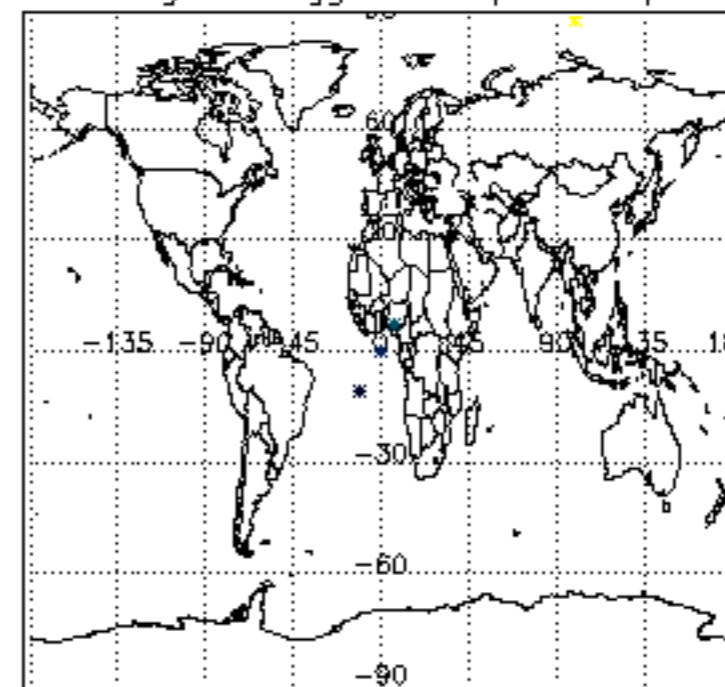




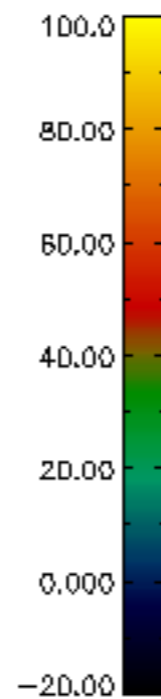
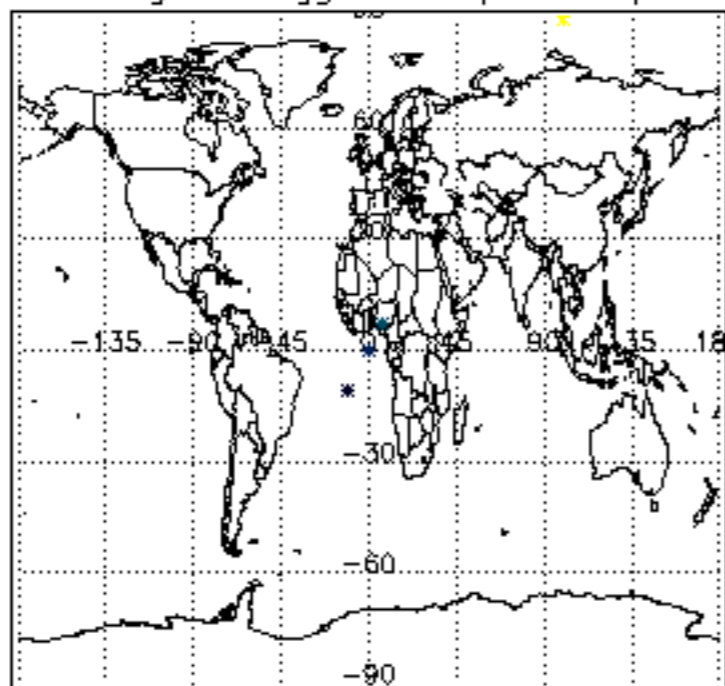
Percentage of flagged data per D3 profile



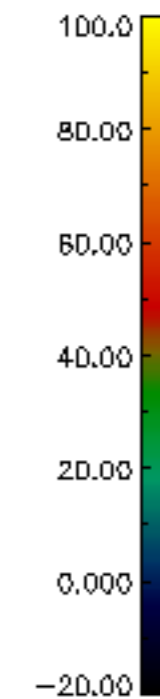
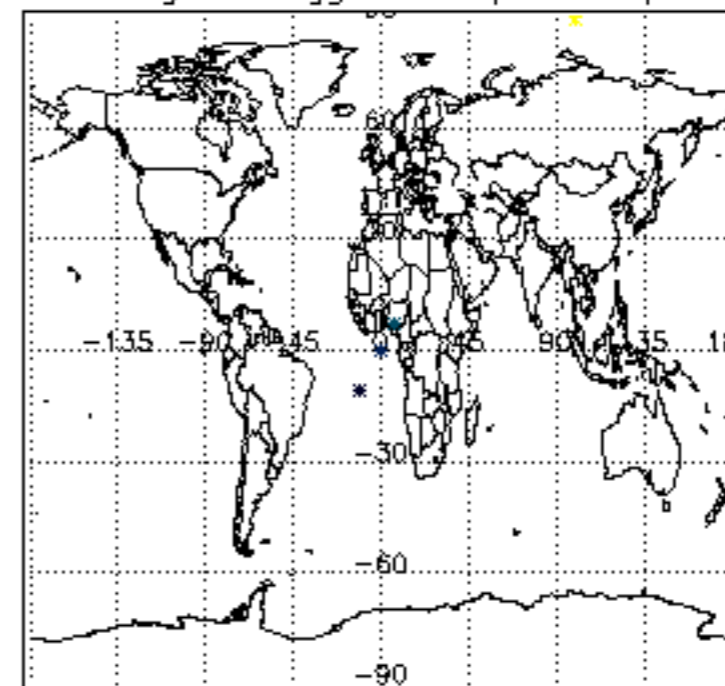
Percentage of flagged data per H2O profile



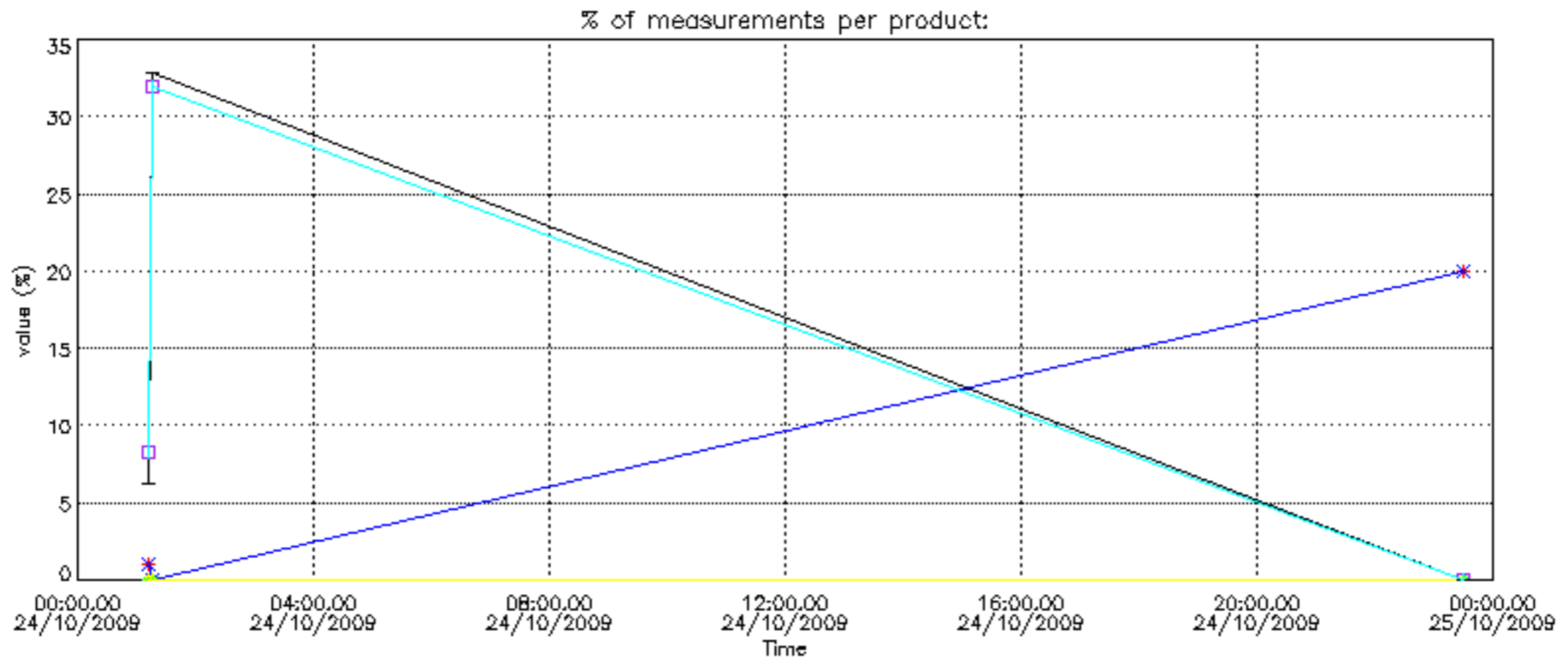
Percentage of flagged data per NO2 profile

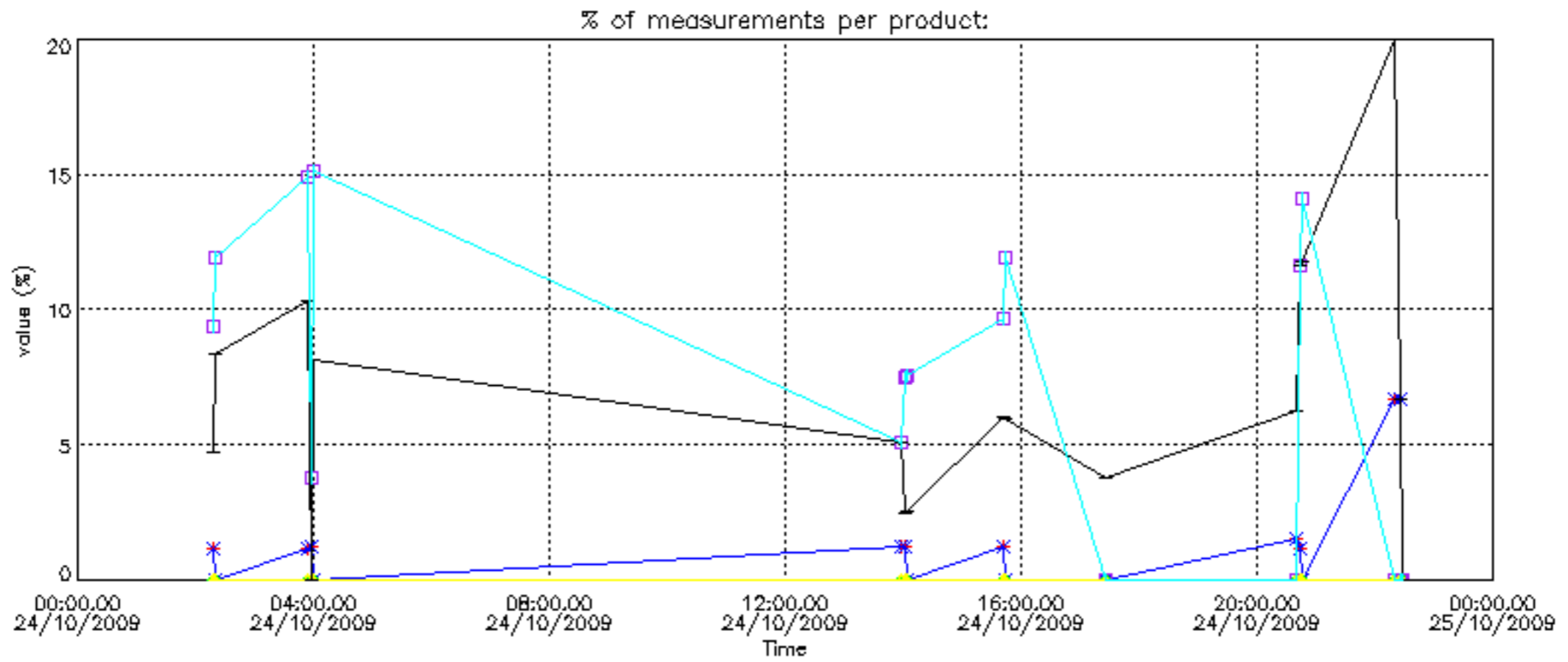
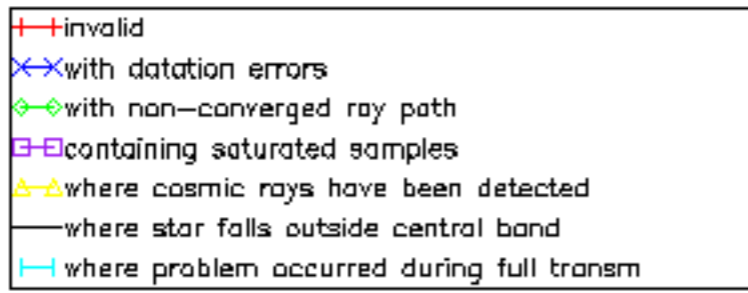


Percentage of flagged data per NO3 profile

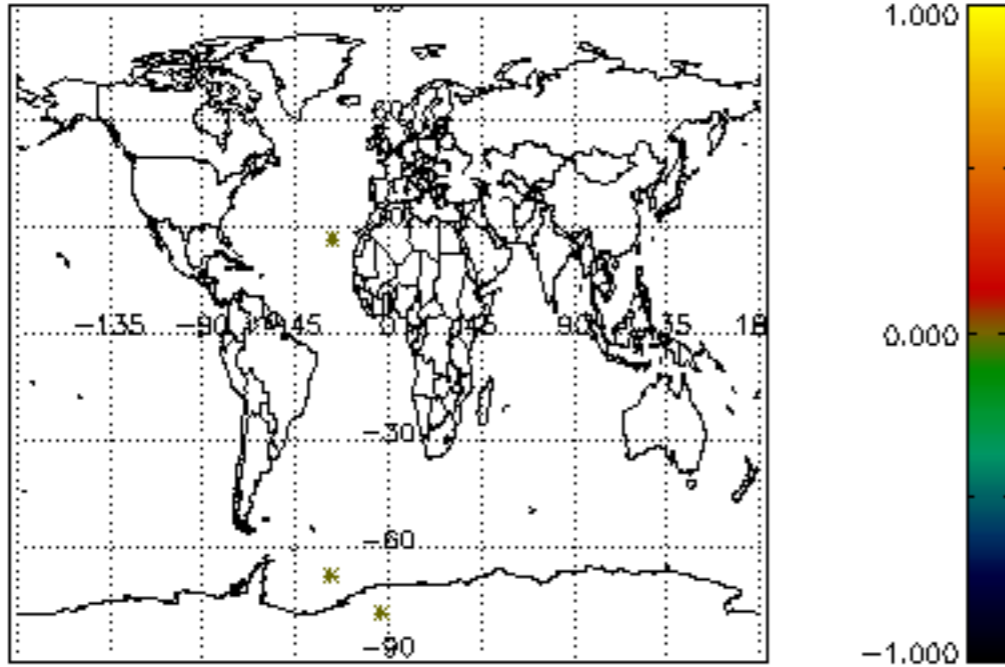




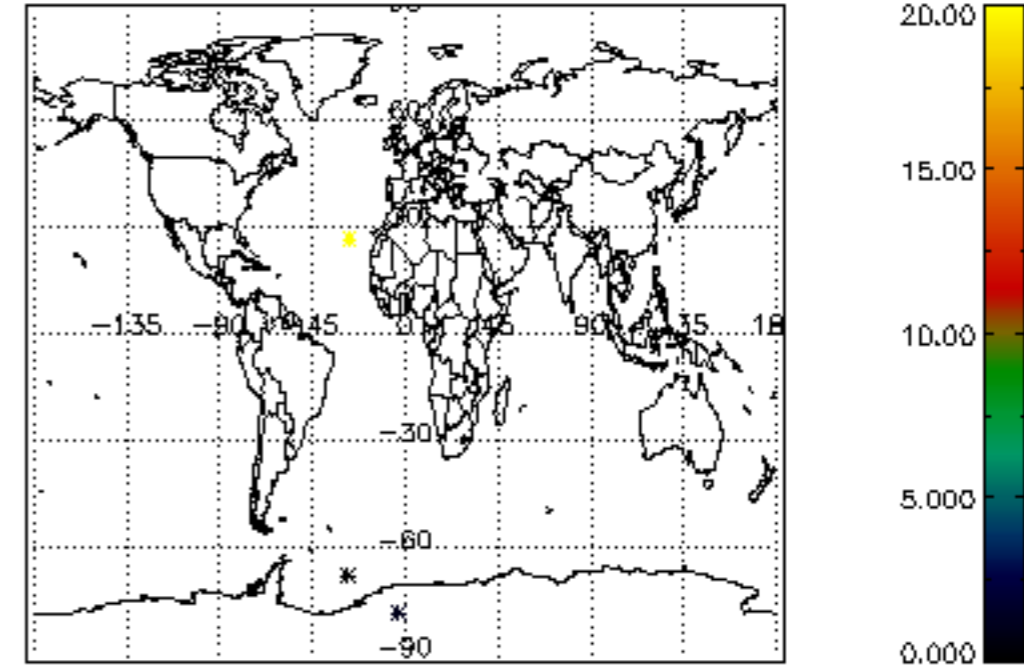




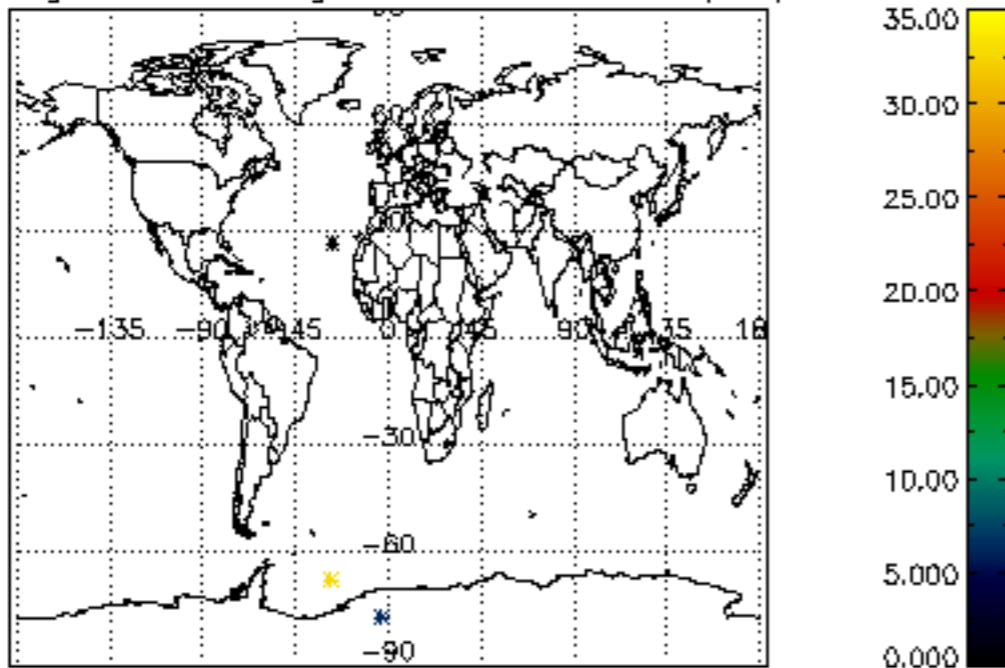
Percentage of cosmic ray hits per profile



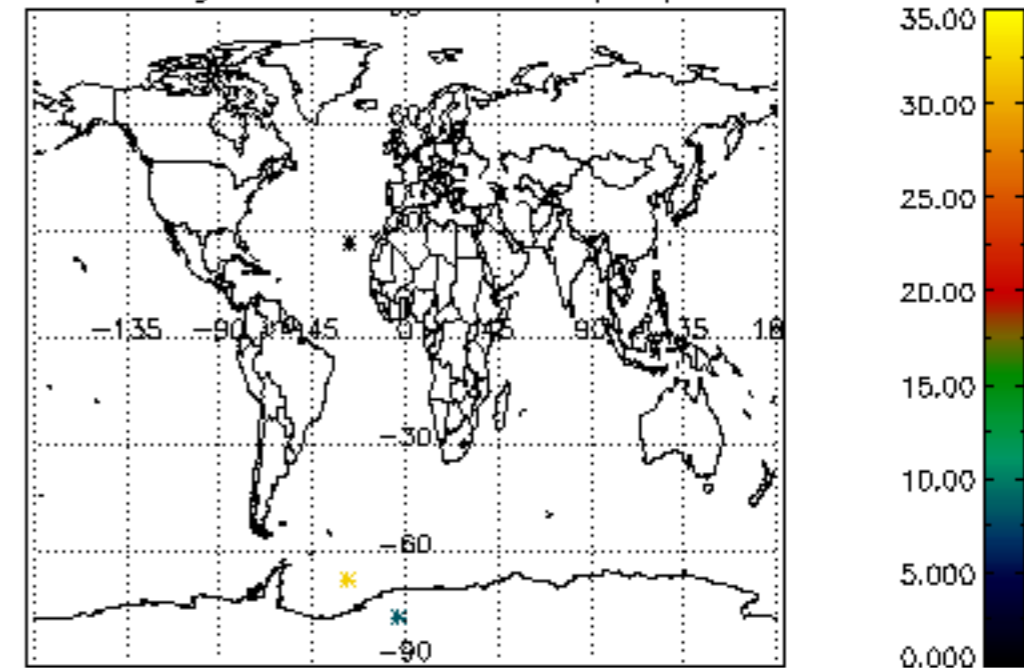
Percentage of datation errors per profile



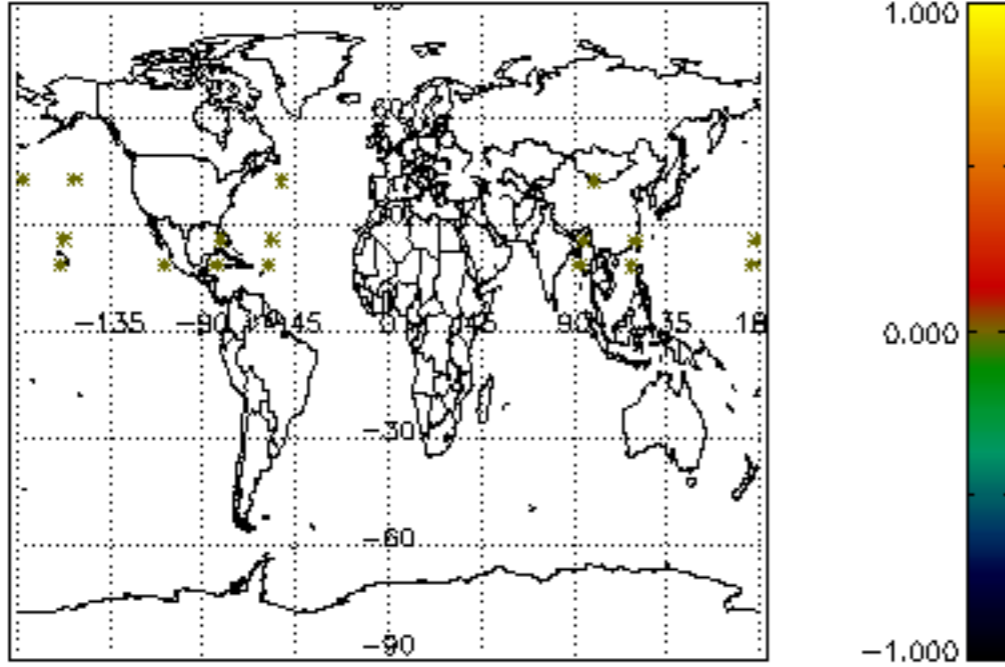
Percentage of star falling outside central band per profile



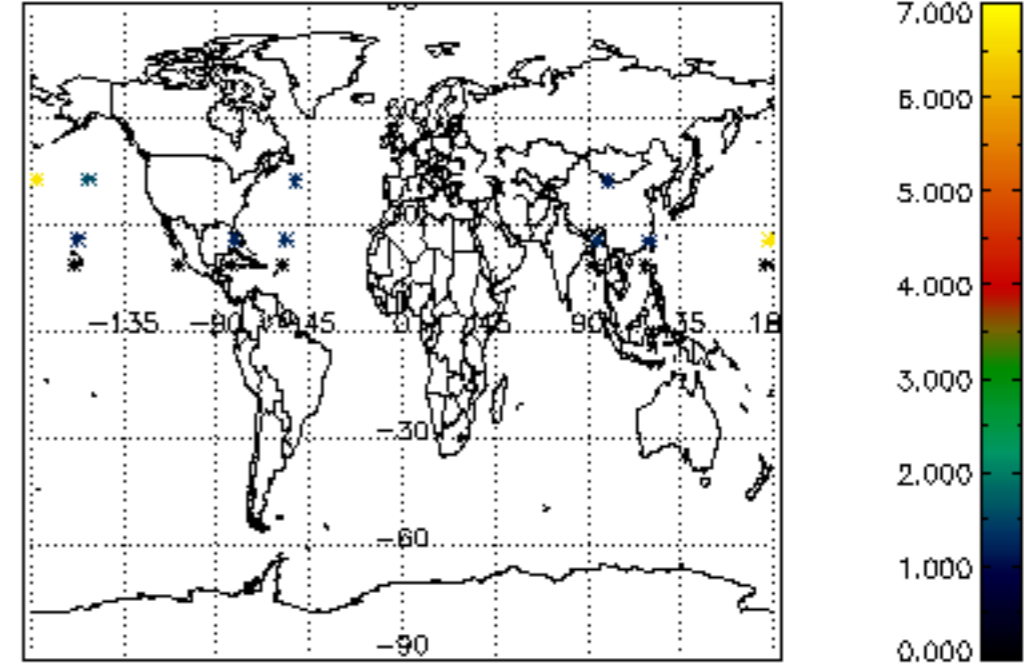
Percentage of saturation errors per profile



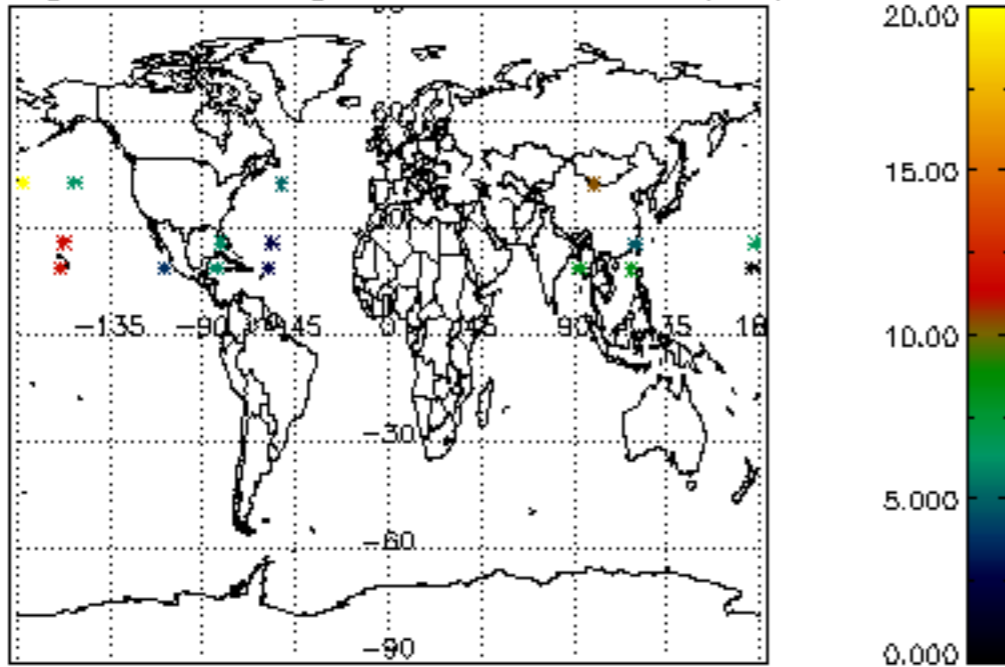
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

