

1. MIPAS Daily Report for level 1 products

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[1.3 Physical Quality Indicators](#)

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1.1 General Info

This report contains a daily analysis on parameters extracted from MIPAS level 1 data (The MIP_NL__1P product).

1.1.1 Report summary

The table below shows general characteristics of the data that are included into this report.

Item	Value
Report version	v1.2 06-04-2006
Time of report generation	23MAY2006 09:48:54
Data source version	MIPAS/4.65-P
Processing scope for products	03MAY2006 00:00:00 to 04MAY2006 00:00:00
Start time of first product within scope	03MAY2006 21:57:01
Stop time of last product within scope	03MAY2006 23:24:54
Total number of level 1 products	1
Number of level 1 products with errors	0

1.1.2 Summary per product

The following table shows a summary for each product used in this report.

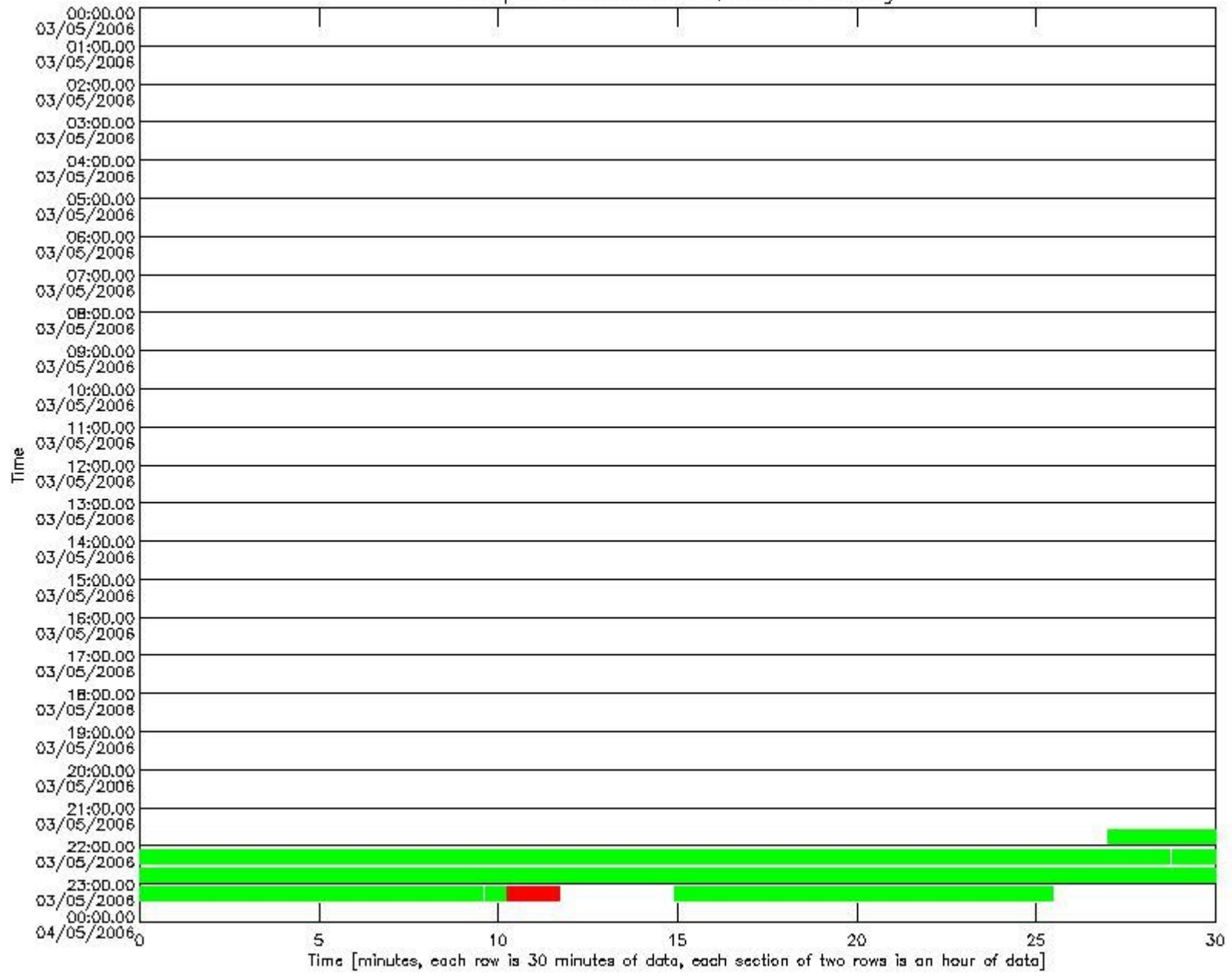
#	Product name	Start time	Stop time	Prod err	Slice position (prod/tot)
0	MIP_NL__1PPDPA20060503_215701_000052742047_00230_21827_2238.N1	03MAY2006 21:57:01	03MAY2006 23:24:54	0	0/0

1.2 Product Quality Indicators

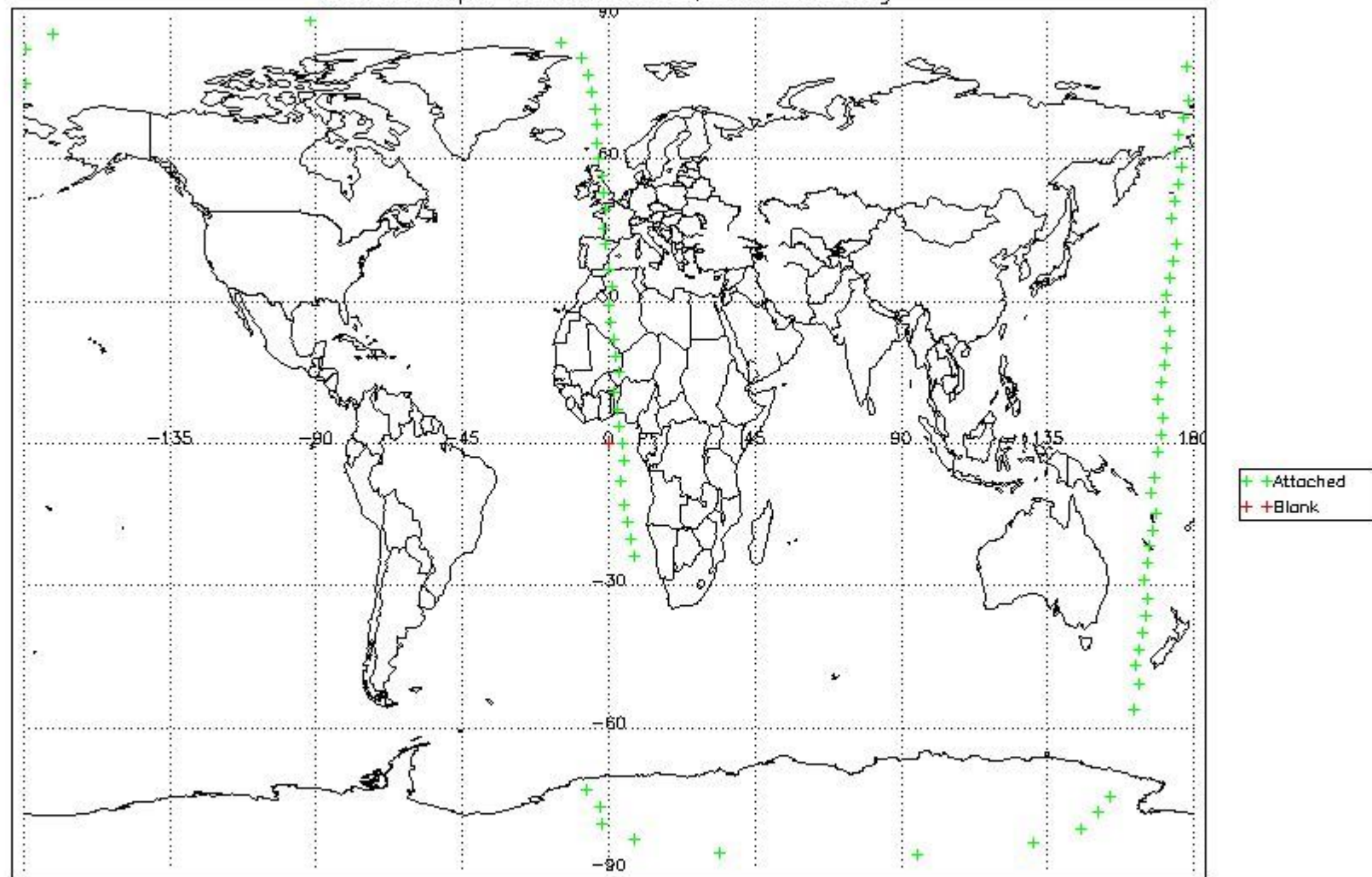
This report contains an analysis on product quality related parameters within the MIP_NL__1P product.

1.2.1 Trends and geolocation of Summary Quality ADS

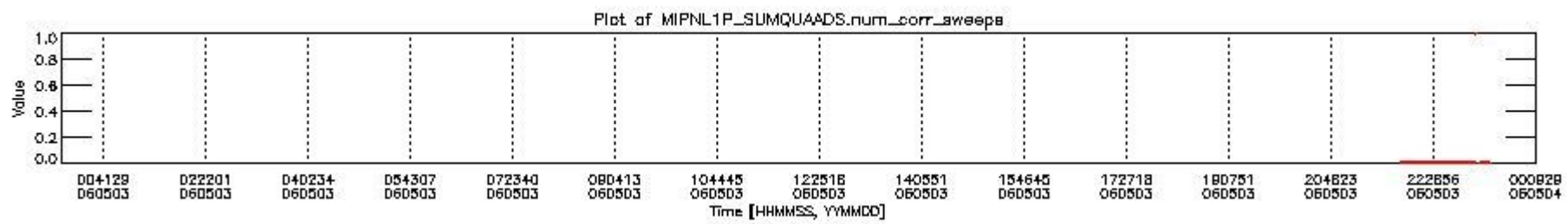
Bar plot of MIPNL1P_SUMQUAADS.attach_flag



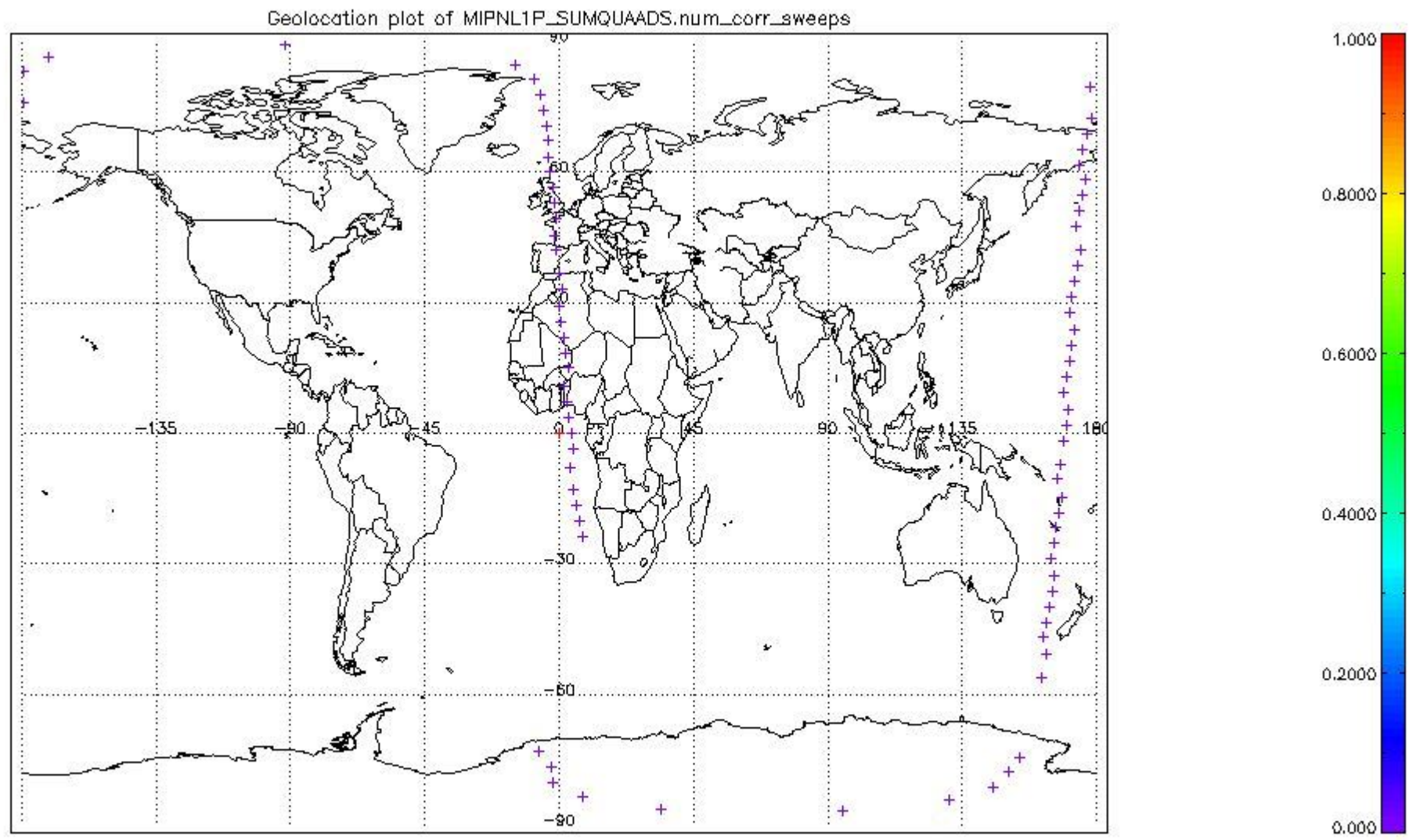
Geolocation plot of MIPNL1P_SUMQUADS.attach_flag



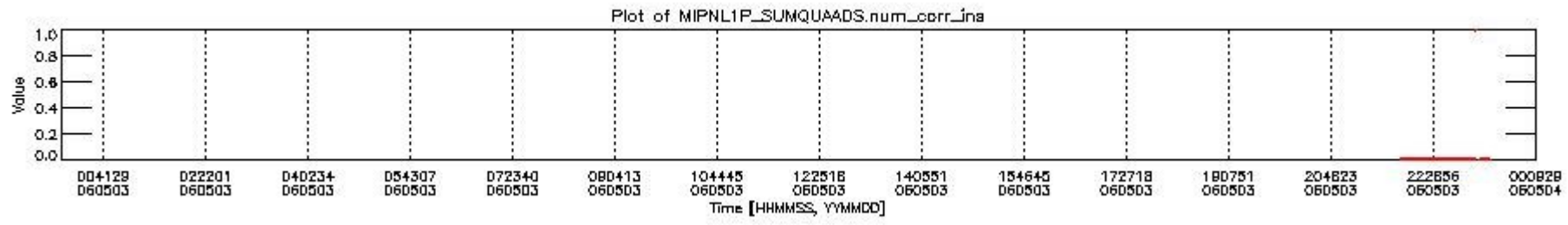
mipas_daily_report_level1_OFI_MIPAS_4_65_P_20060503_1.PNG



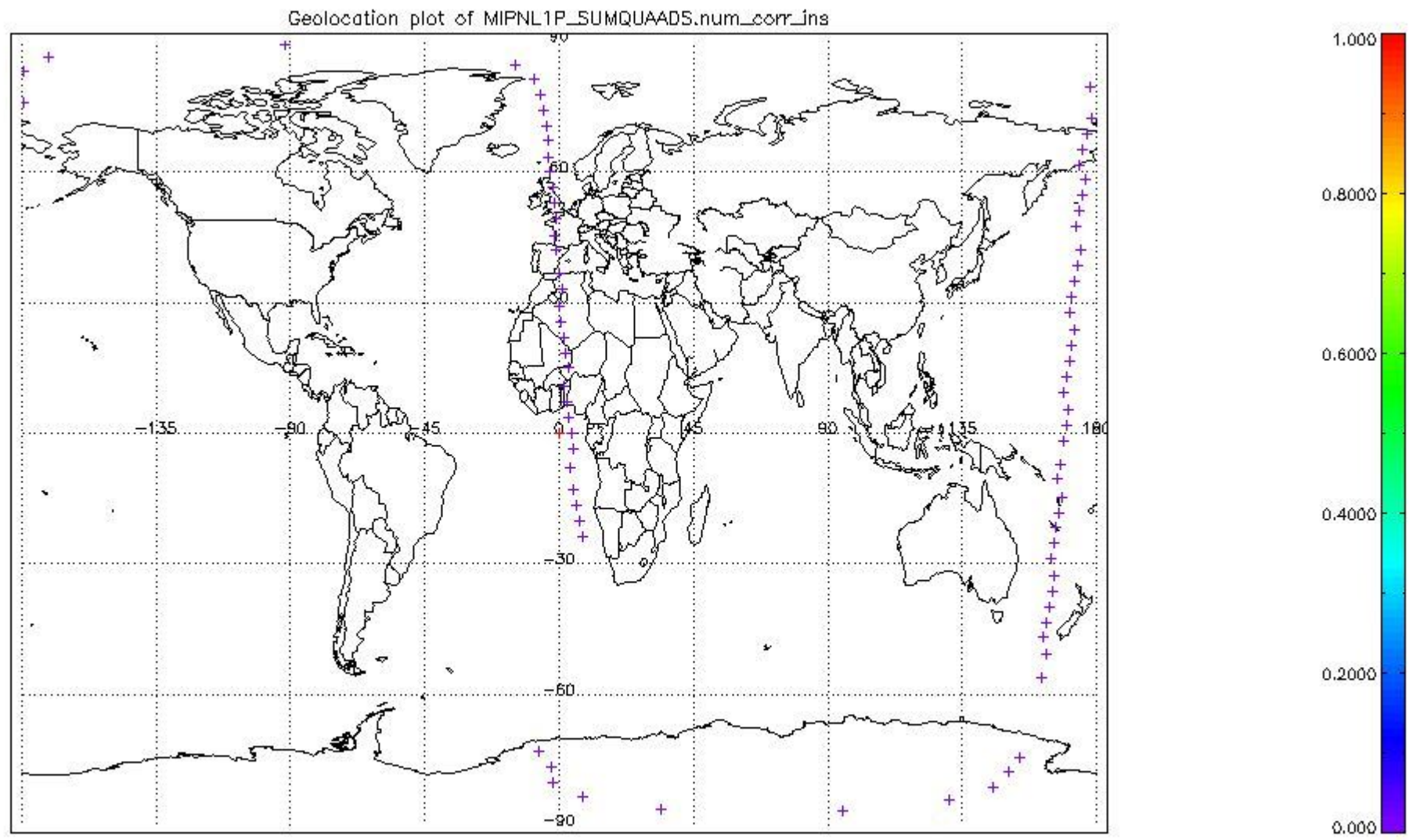
mipas_daily_report_level1_OFI_MIPAS_4_65_P_20060503_2.PNG



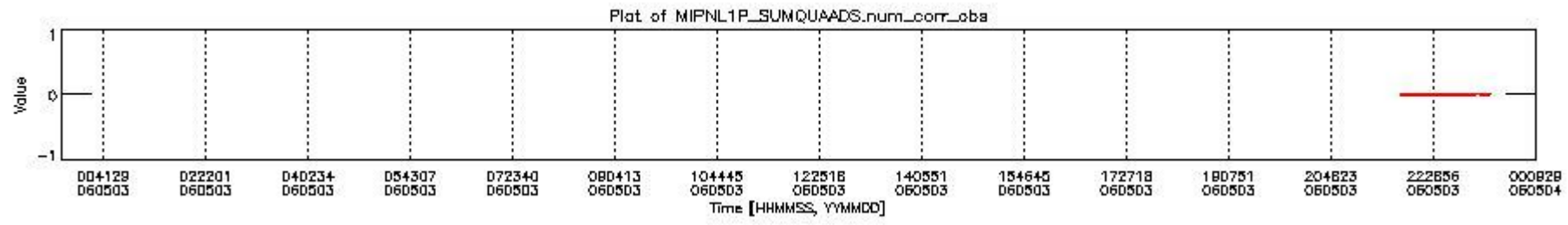
mipas_daily_report_level1_OFI_MIPAS_4_65_P_20060503_3.PNG



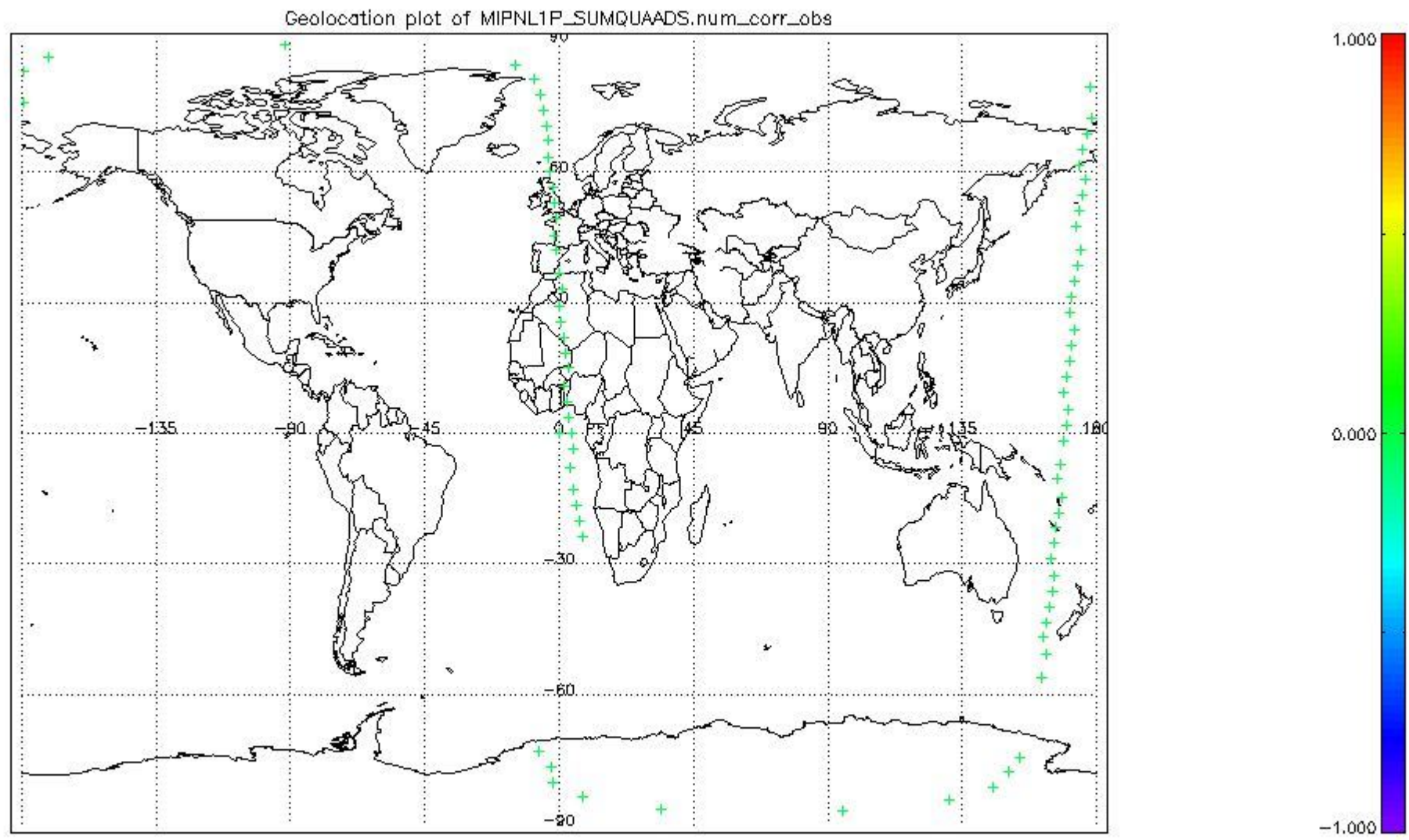
mipas_daily_report_level1_OFI_MIPAS_4_65_P_20060503_4.PNG



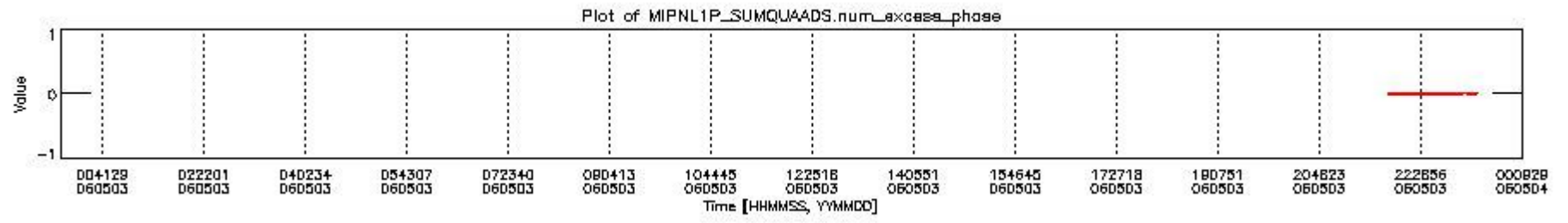
mipas_daily_report_level1_OFI_MIPAS_4_65_P_20060503_5.PNG



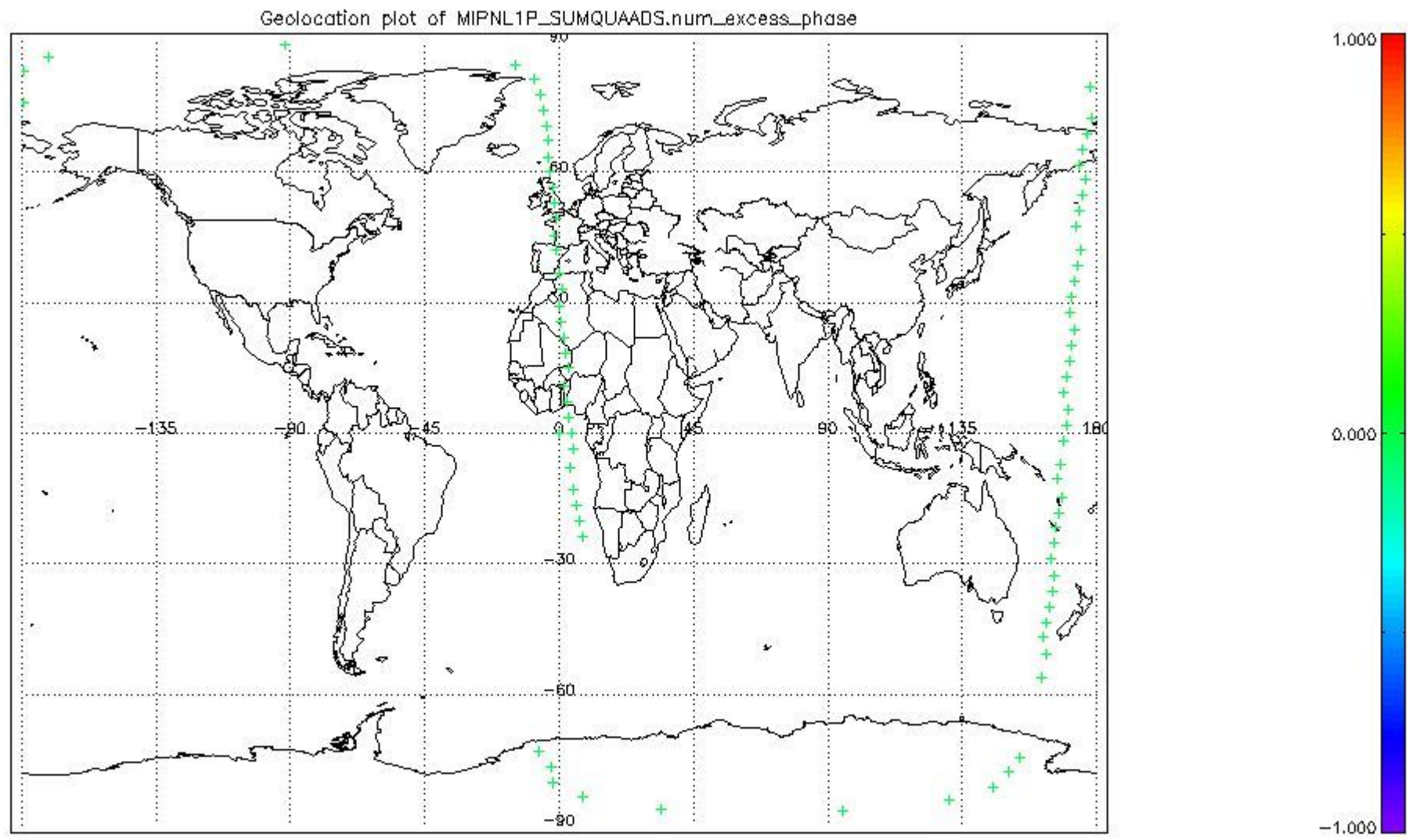
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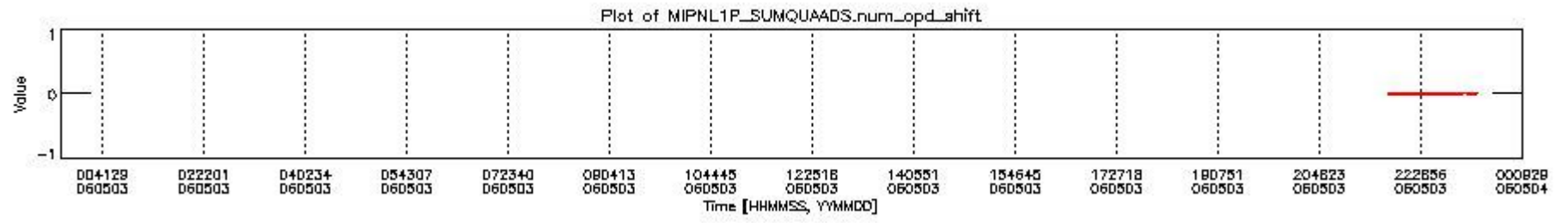
mipas_daily_report_level1_OFI_MIPAS_4_65_P_20060503_7.PNG



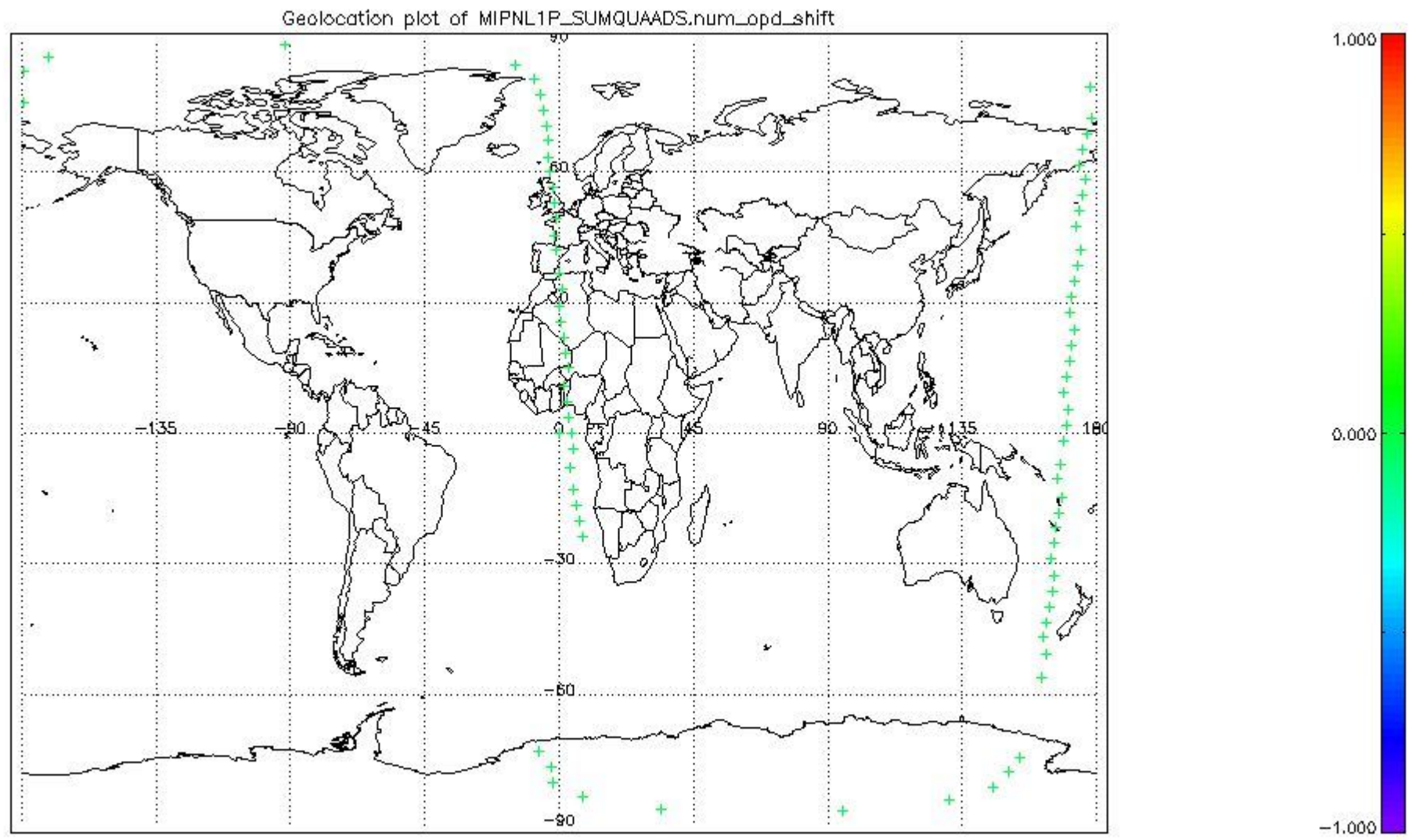
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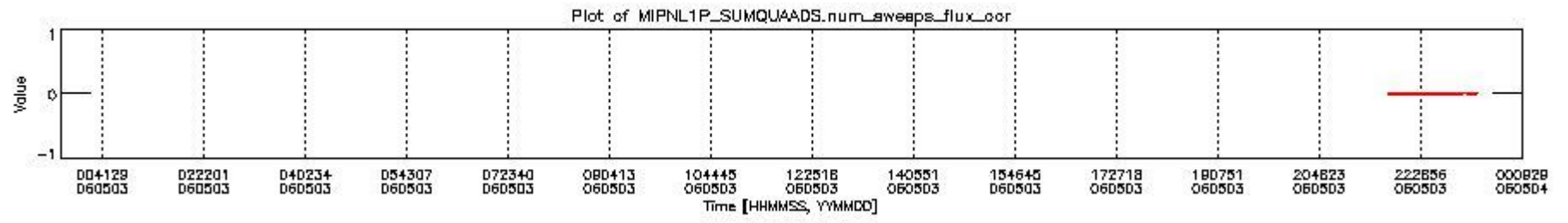
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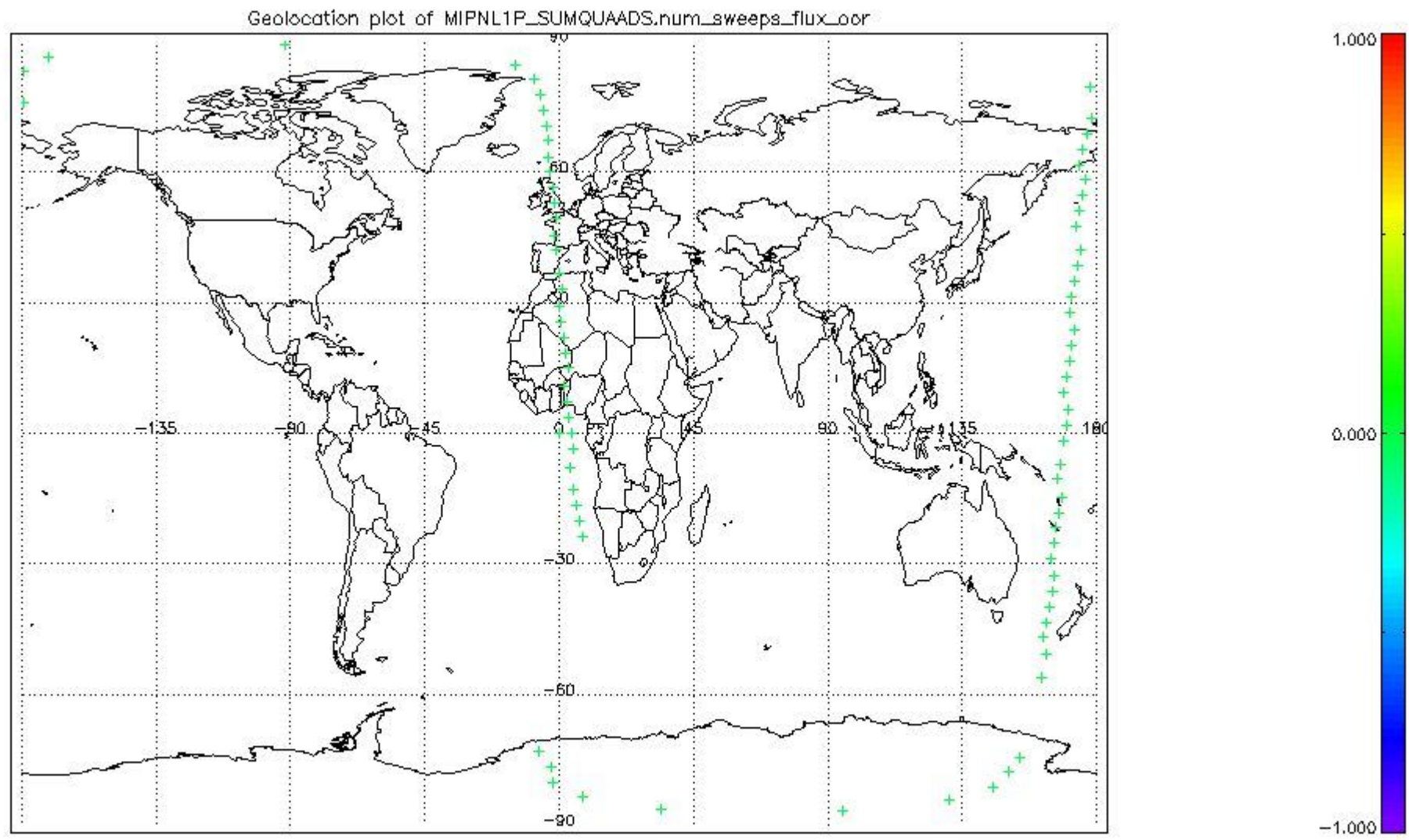
mipas_daily_report_level1_OFL_MIPAS_4_65_P_20060503_10.PNG



mipas_daily_report_level1_OFL_MIPAS_4_65_P_20060503_11.PNG



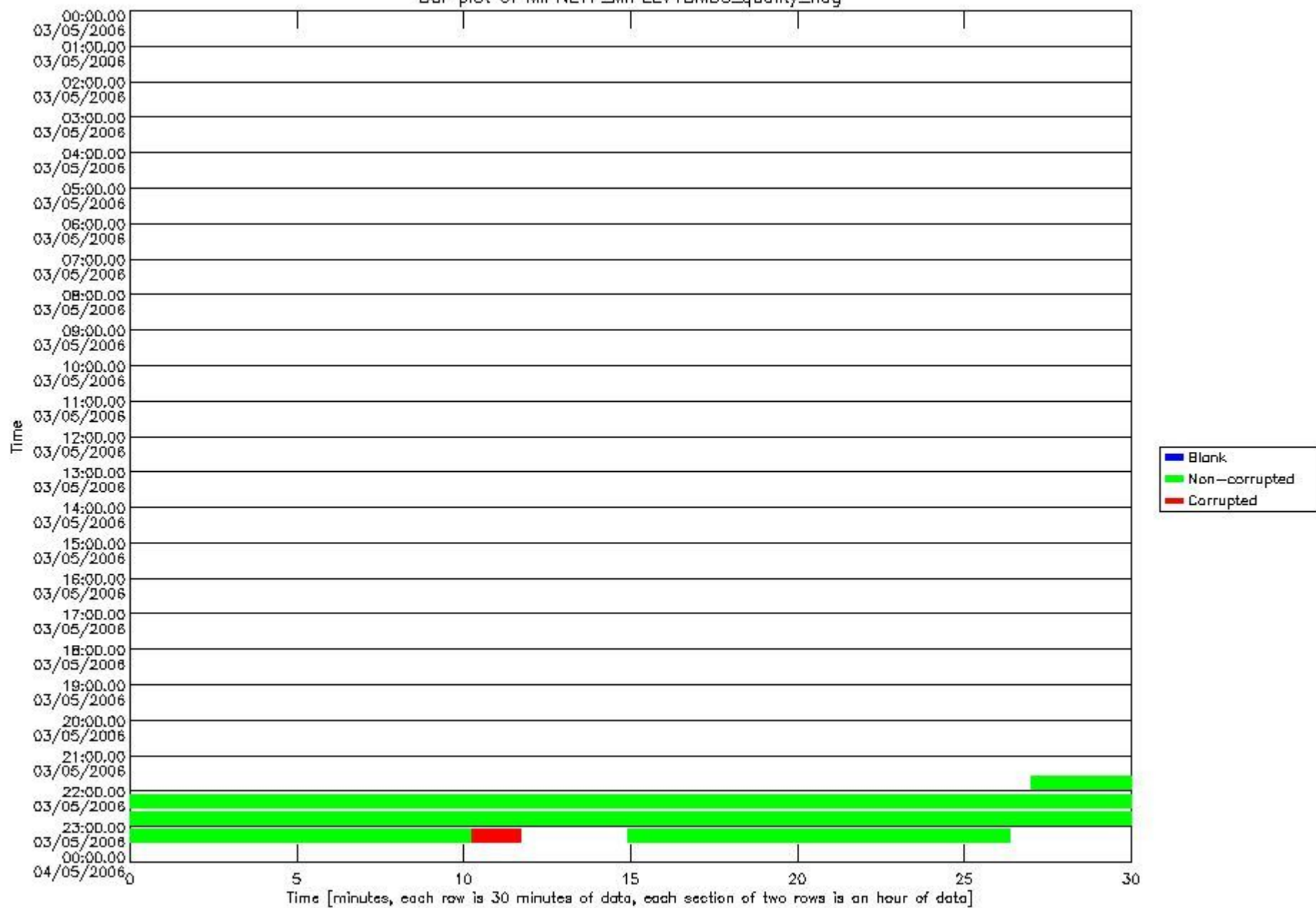
mipas_daily_report_level1_OFL_MIPAS_4_65_P_20060503_12.PNG



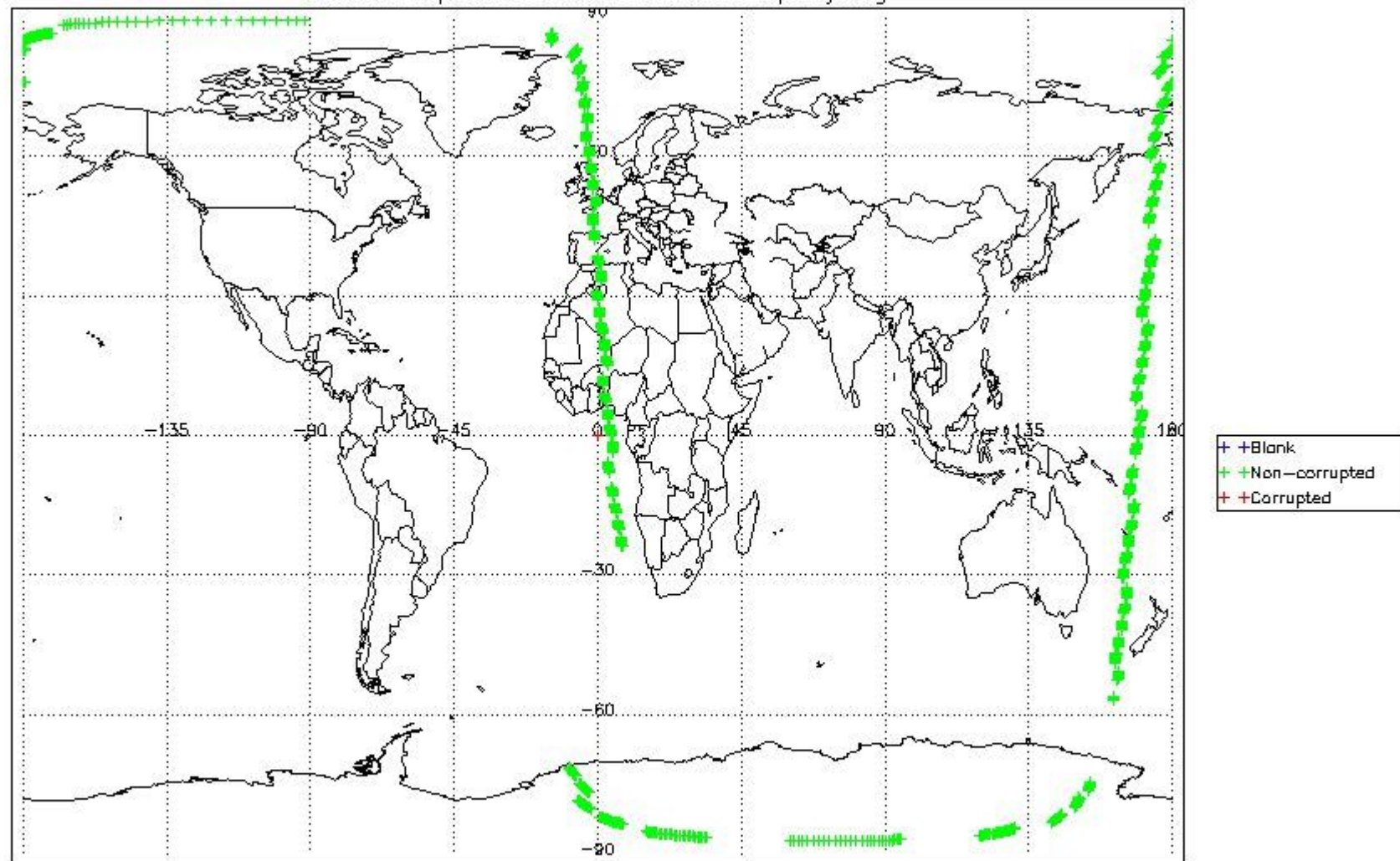
mipas_daily_report_level1_OFI_MIPAS_4_65_P_20060503_13.PNG

1.2.2 Trends and geolocation of MIPAS LEVEL 1 MDS

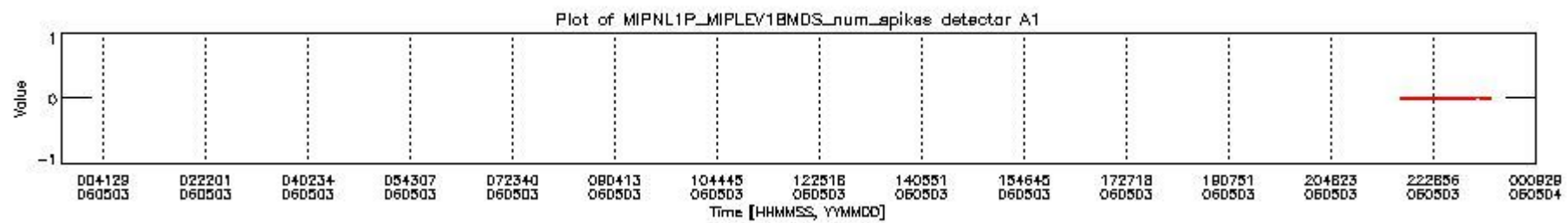
Bar plot of MIPNL1P_MIPLEV1BMDS_quality_flag



Geolocation plot of MIPNL1P_MIPLEV1BMDS_quality_flag

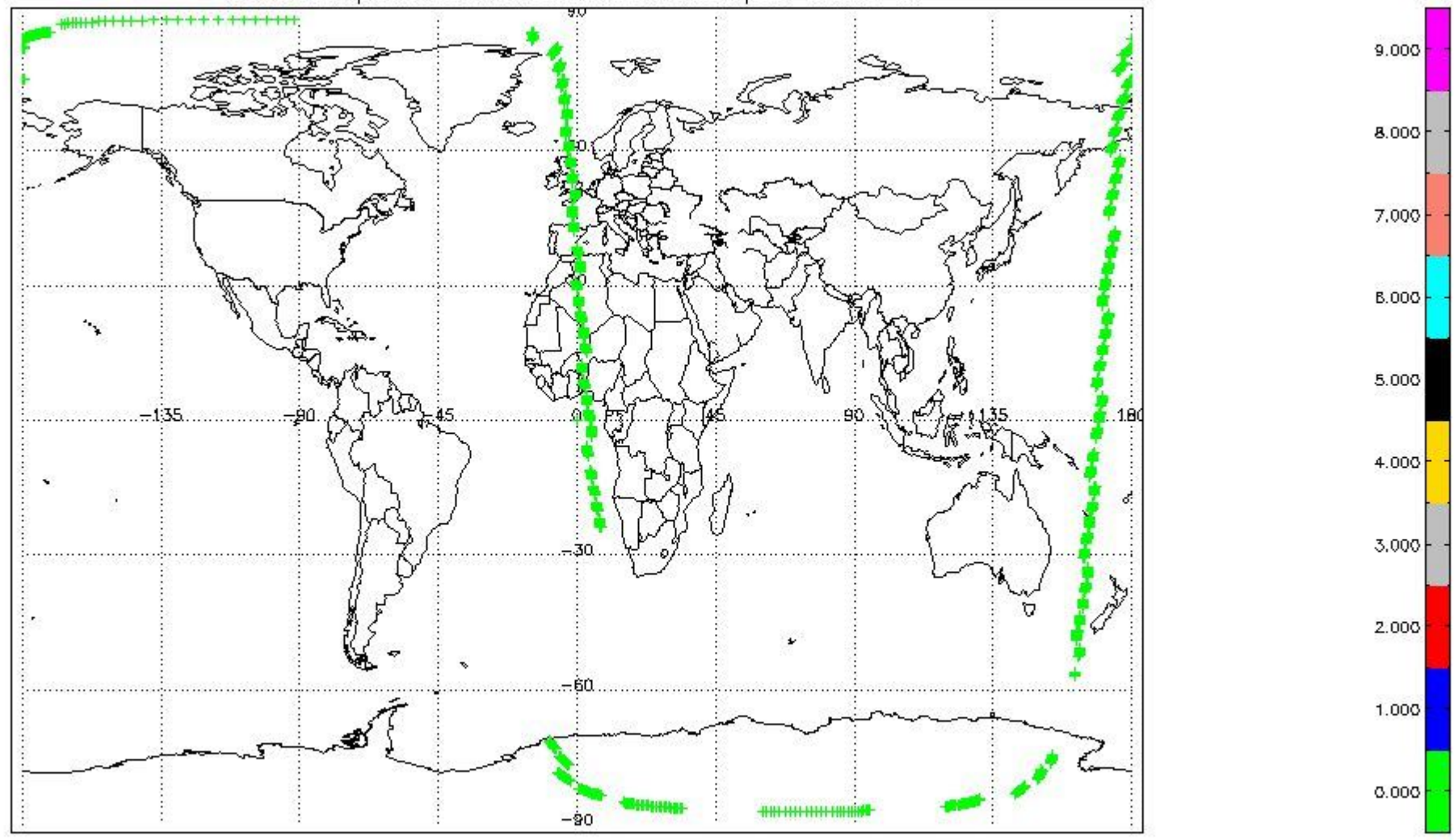


mipas_daily_report_level1_OFL_MIPAS_4_65_P_20060503_15.PNG



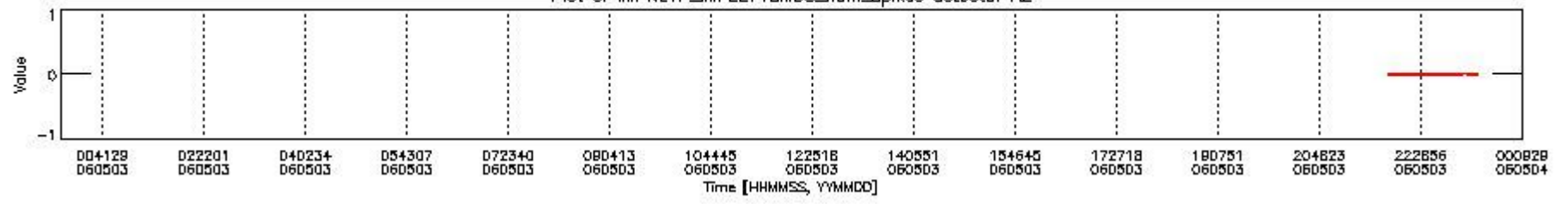
mipas_daily_report_level1_OFL_MIPAS_4_65_P_20060503_16.PNG

Geolocation plot of MIPNL1P_MIPLEV1BMDS_num_spikes detector A1



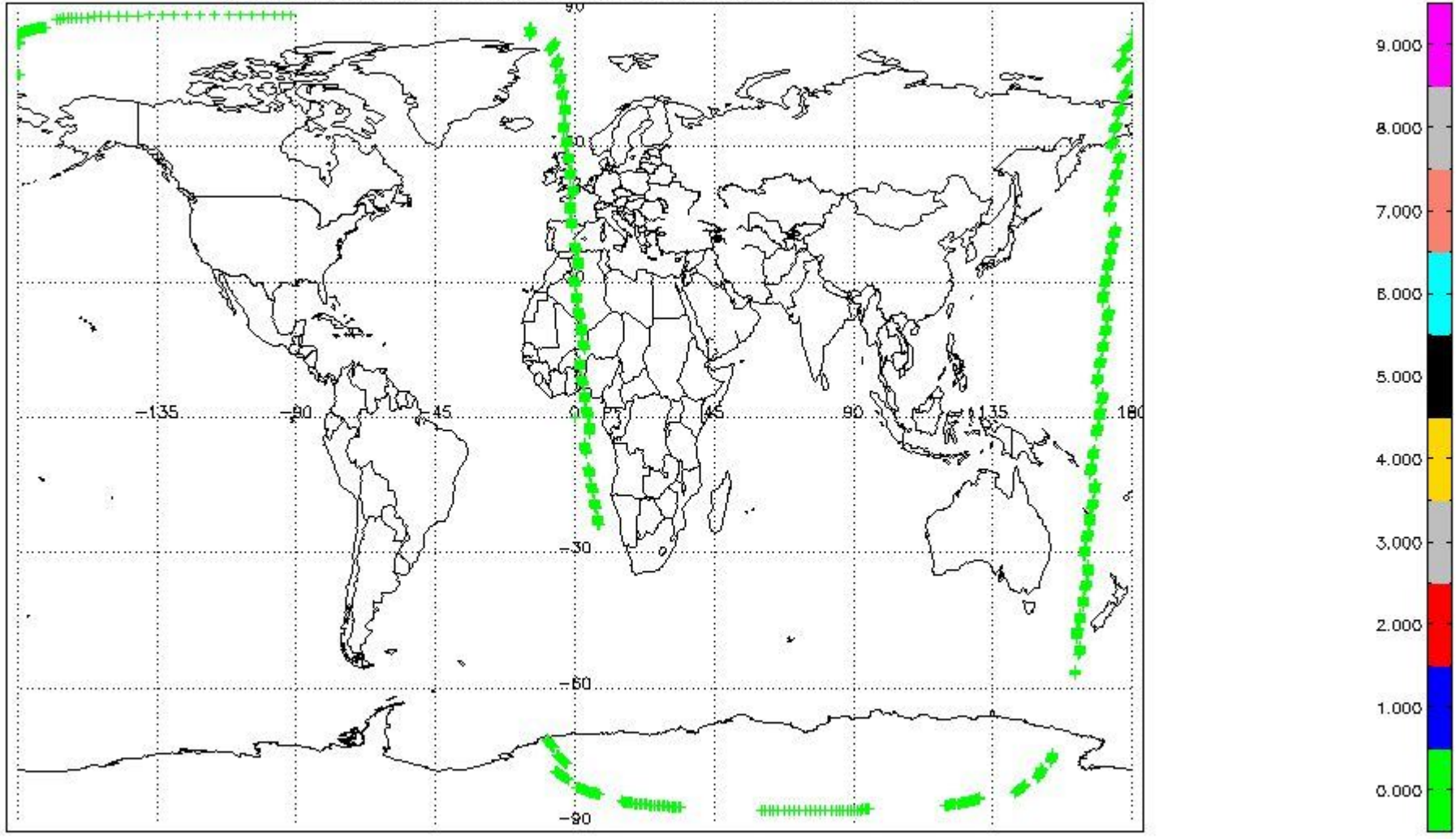
mipas_daily_report_level1_OFL_MIPAS_4_65_P_20060503_17.PNG

Plot of MIPNL1P_MIPLEV1BMDS_num_spikes detector A2

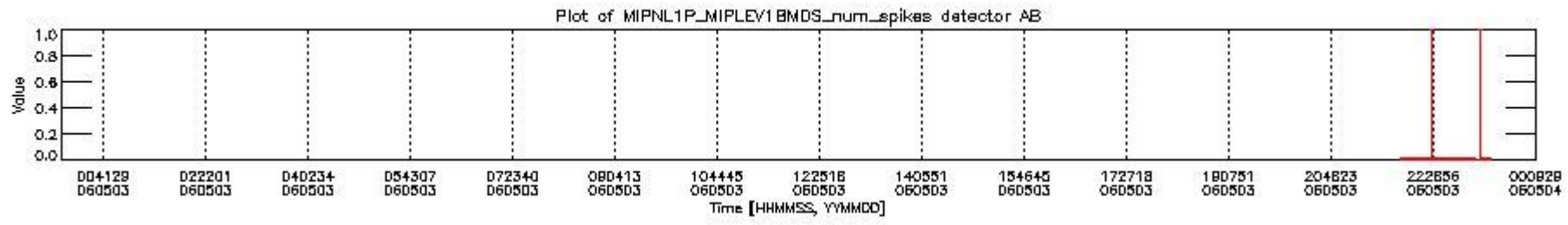


mipas_daily_report_level1_OFL_MIPAS_4_65_P_20060503_18.PNG

Geolocation plot of MIPNL1P_MIPLEV1BMDS_num_spikes detector A2

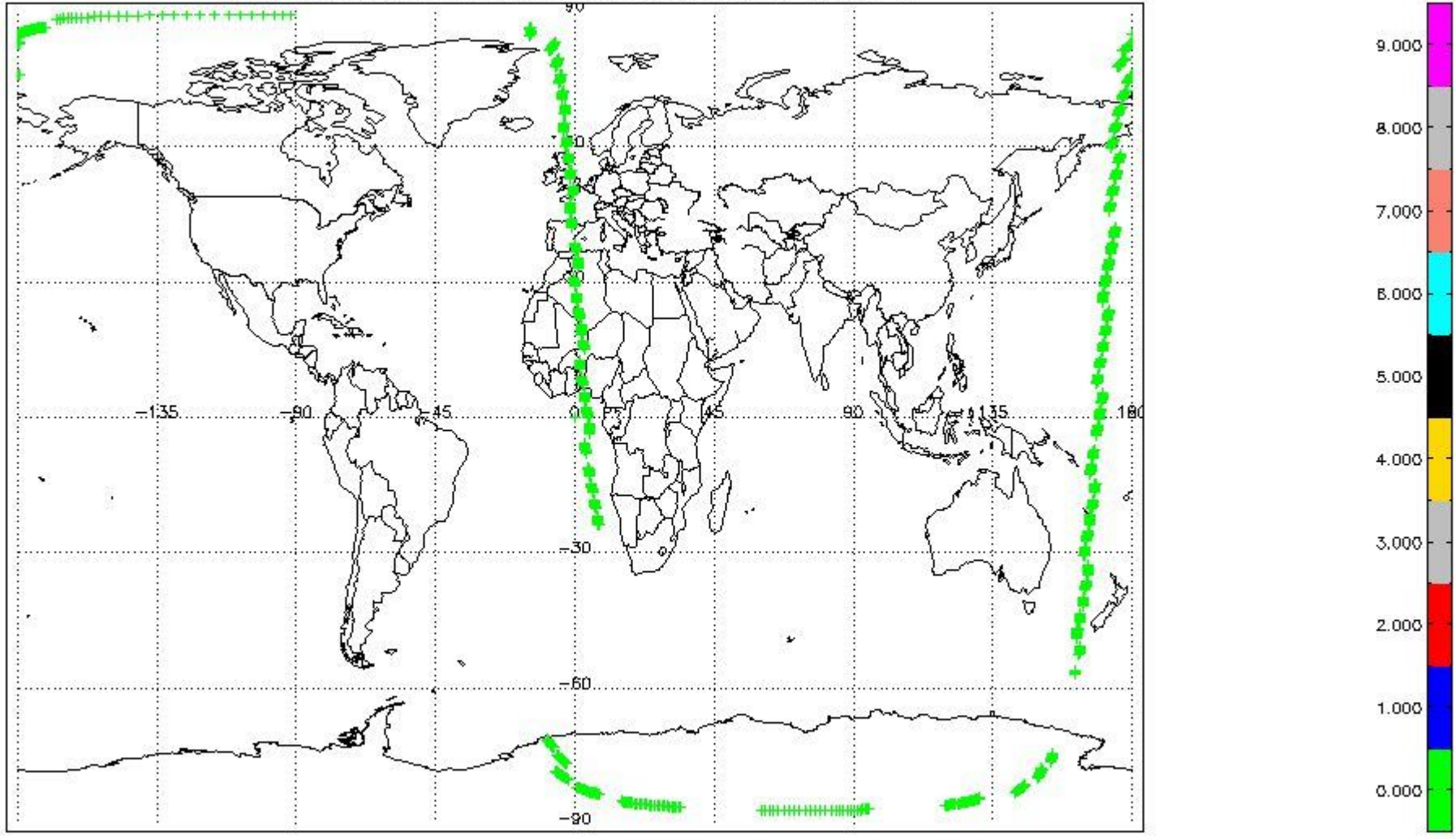


mipas_daily_report_level1_OFL_MIPAS_4_65_P_20060503_19.PNG

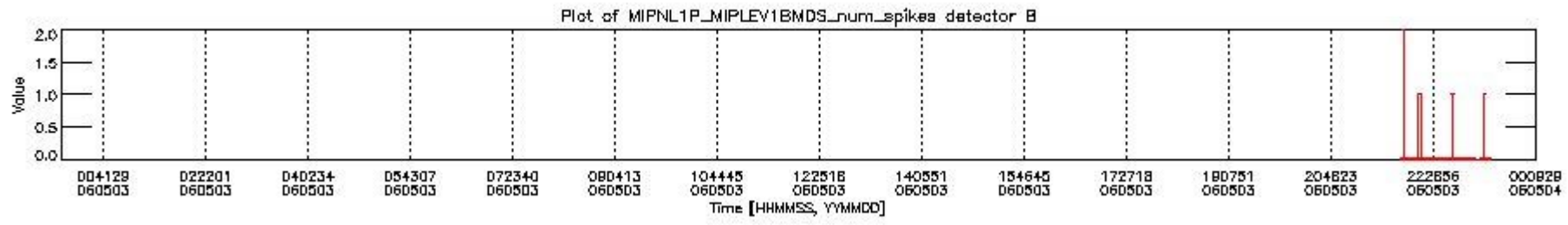


mipas_daily_report_level1_OFL_MIPAS_4_65_P_20060503_20.PNG

Geolocation plot of MIPNL1P_MIPLEV1BMDS_num_spikes detector AB

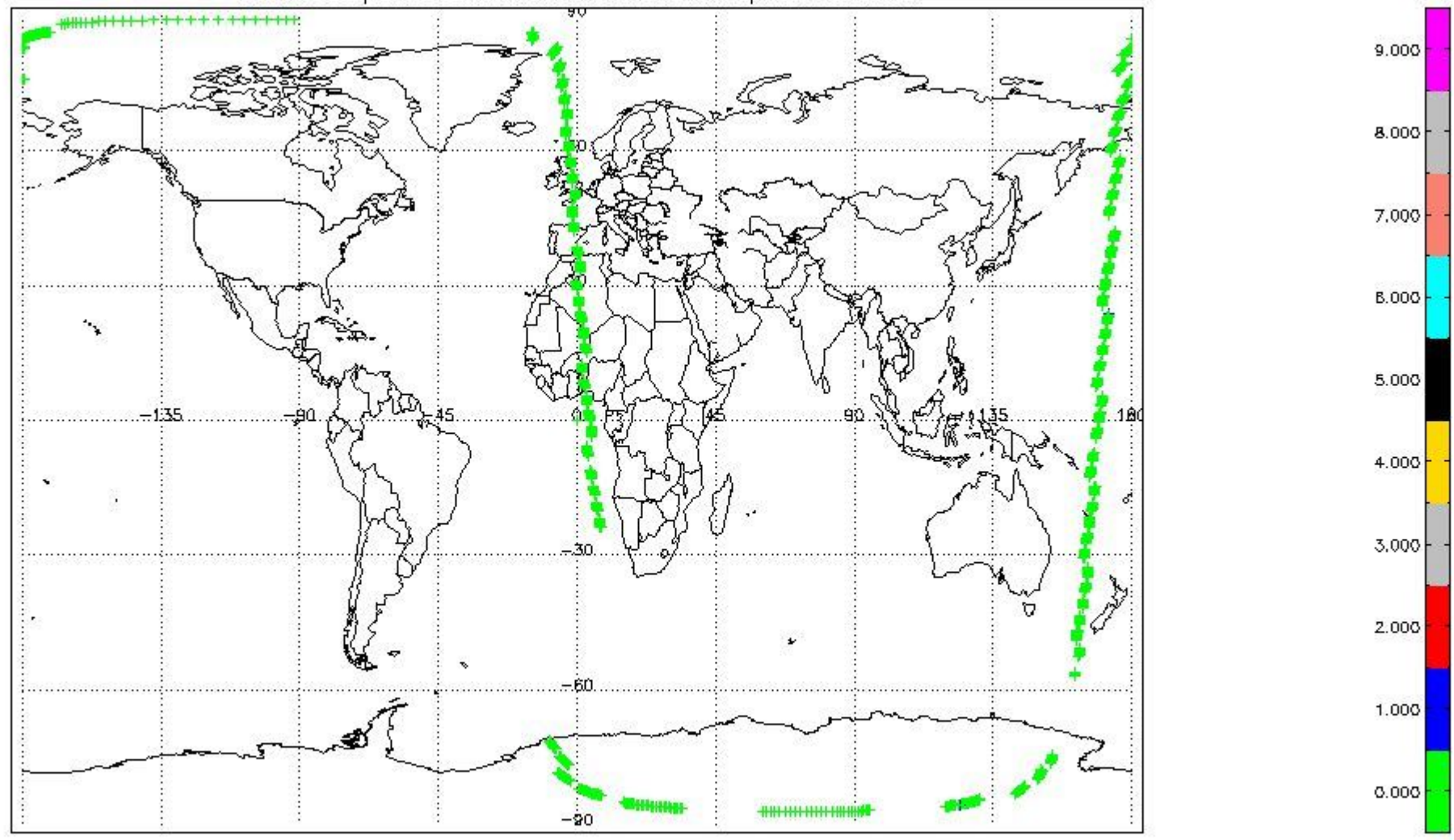


mipas_daily_report_level1_OFL_MIPAS_4_65_P_20060503_21.PNG



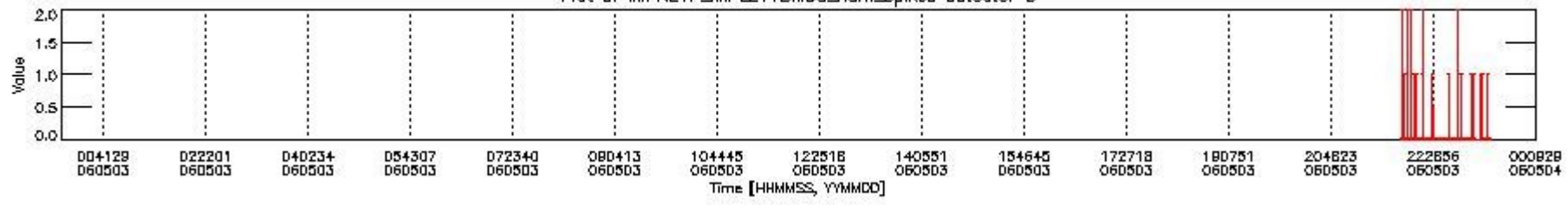
mipas_daily_report_level1_OFL_MIPAS_4_65_P_20060503_22.PNG

Geolocation plot of MIPNL1P_MIPLEV1BMDS_num_spikes detector B



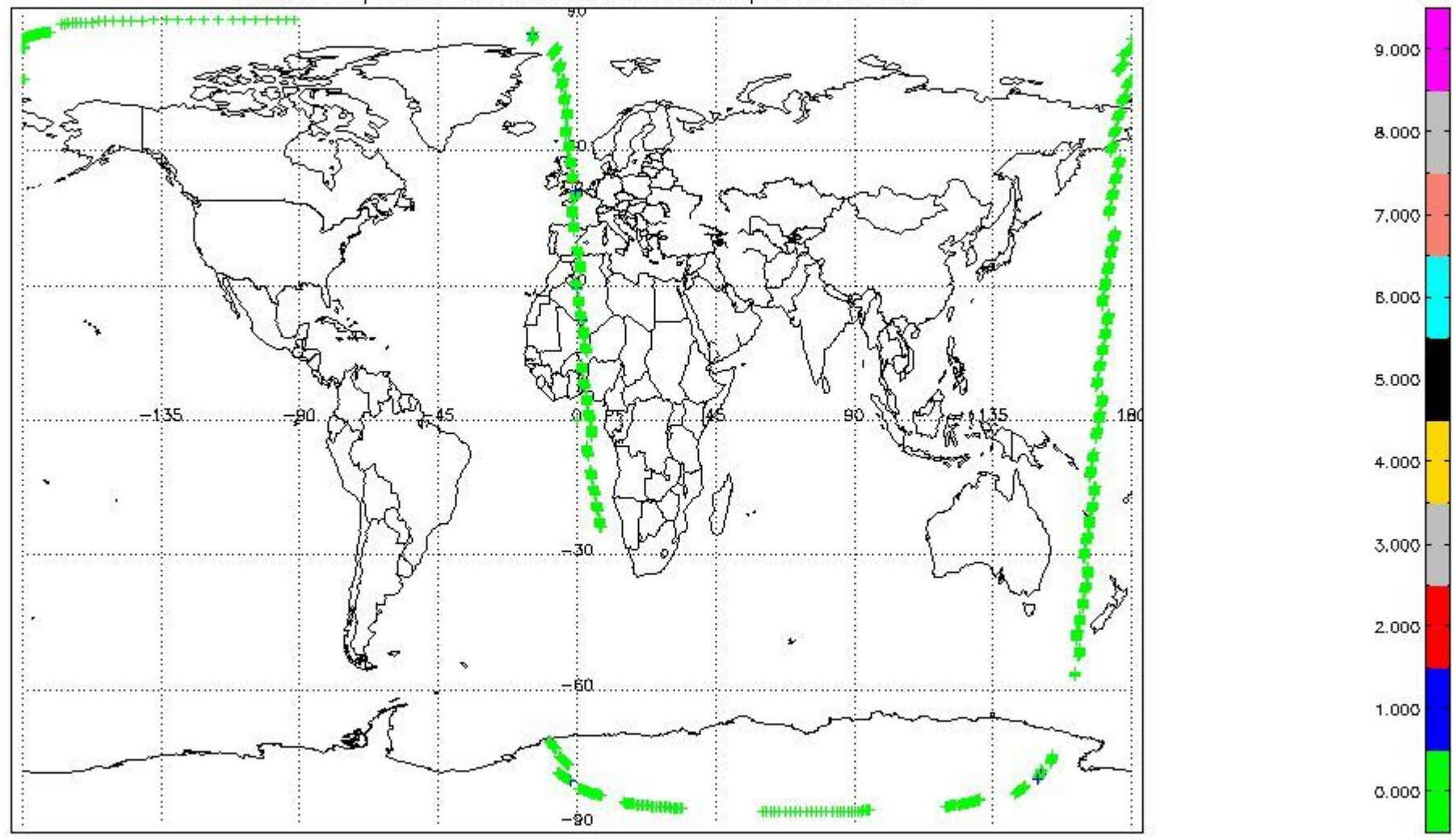
mipas_daily_report_level1_OFL_MIPAS_4_65_P_20060503_23.PNG

Plot of MIPNL1P_MIPLEV1BMDS_num_spikes detector C



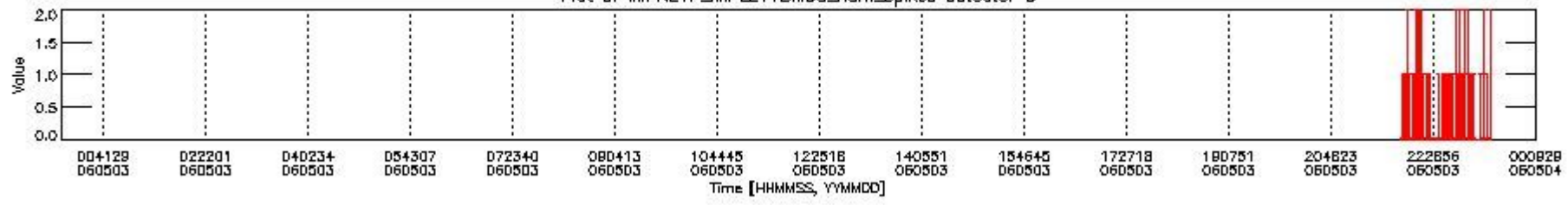
mipas_daily_report_level1_OFL_MIPAS_4_65_P_20060503_24.PNG

Geolocation plot of MIPNL1P_MIPLEV1BMDS_num_spikes detector C



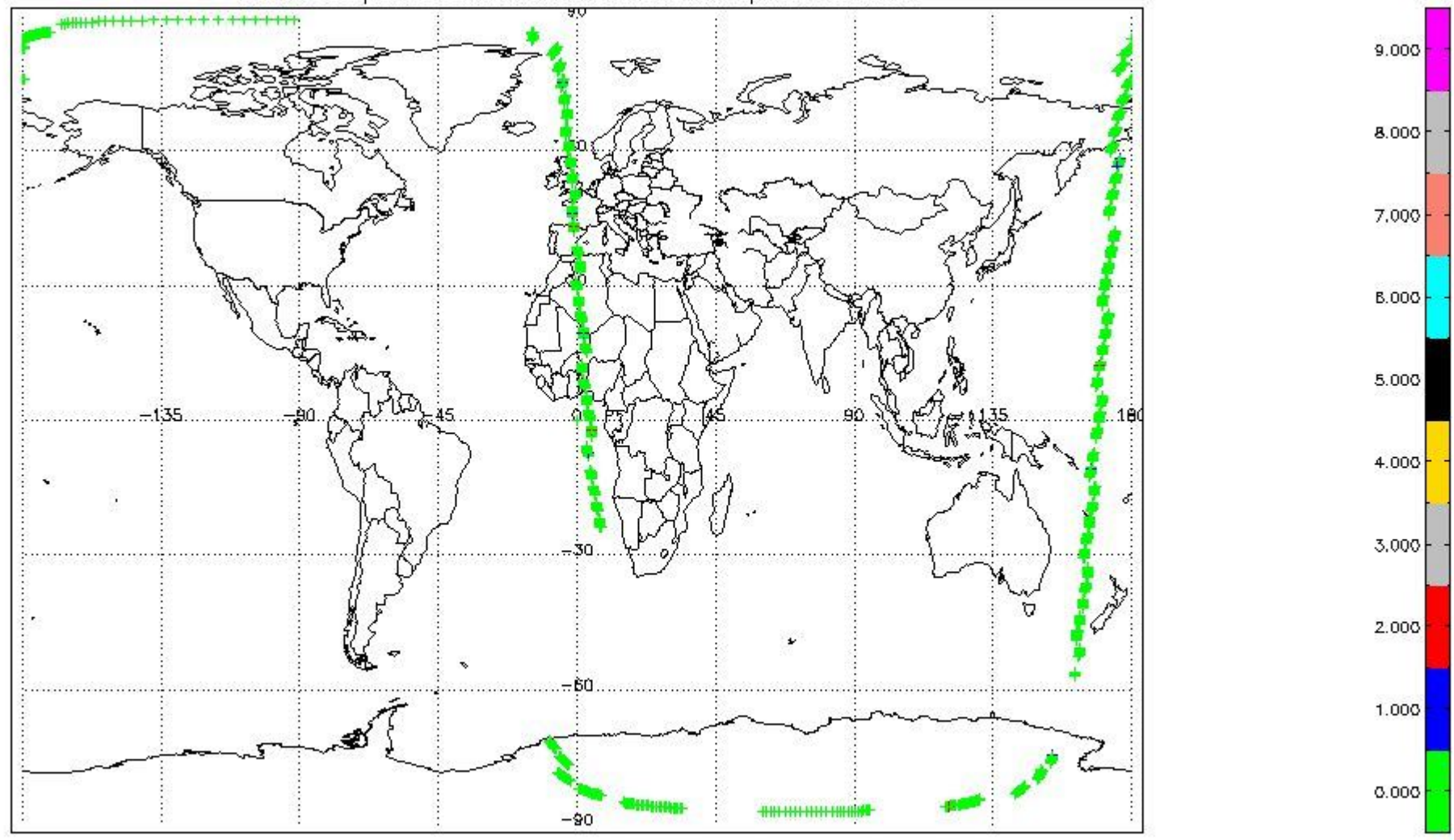
mipas_daily_report_level1_OFL_MIPAS_4_65_P_20060503_25.PNG

Plot of MIPNL1P_MIPLEV1BMDS_num_spikes detector D

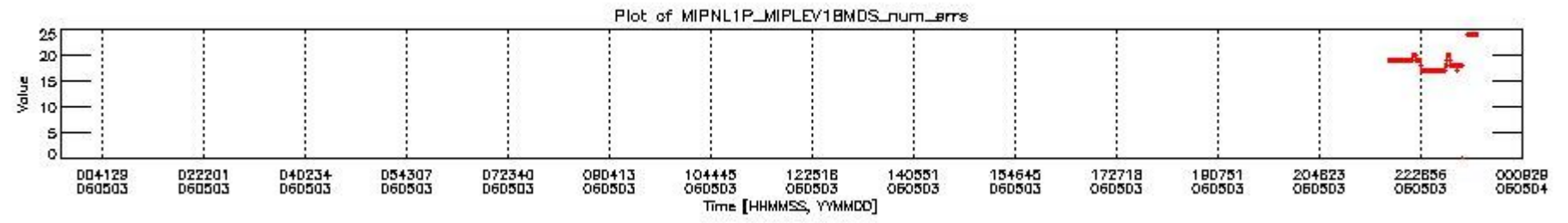


mipas_daily_report_level1_OFL_MIPAS_4_65_P_20060503_26.PNG

Geolocation plot of MIPNL1P_MIPLEV1BMDS_num_spikes detector D

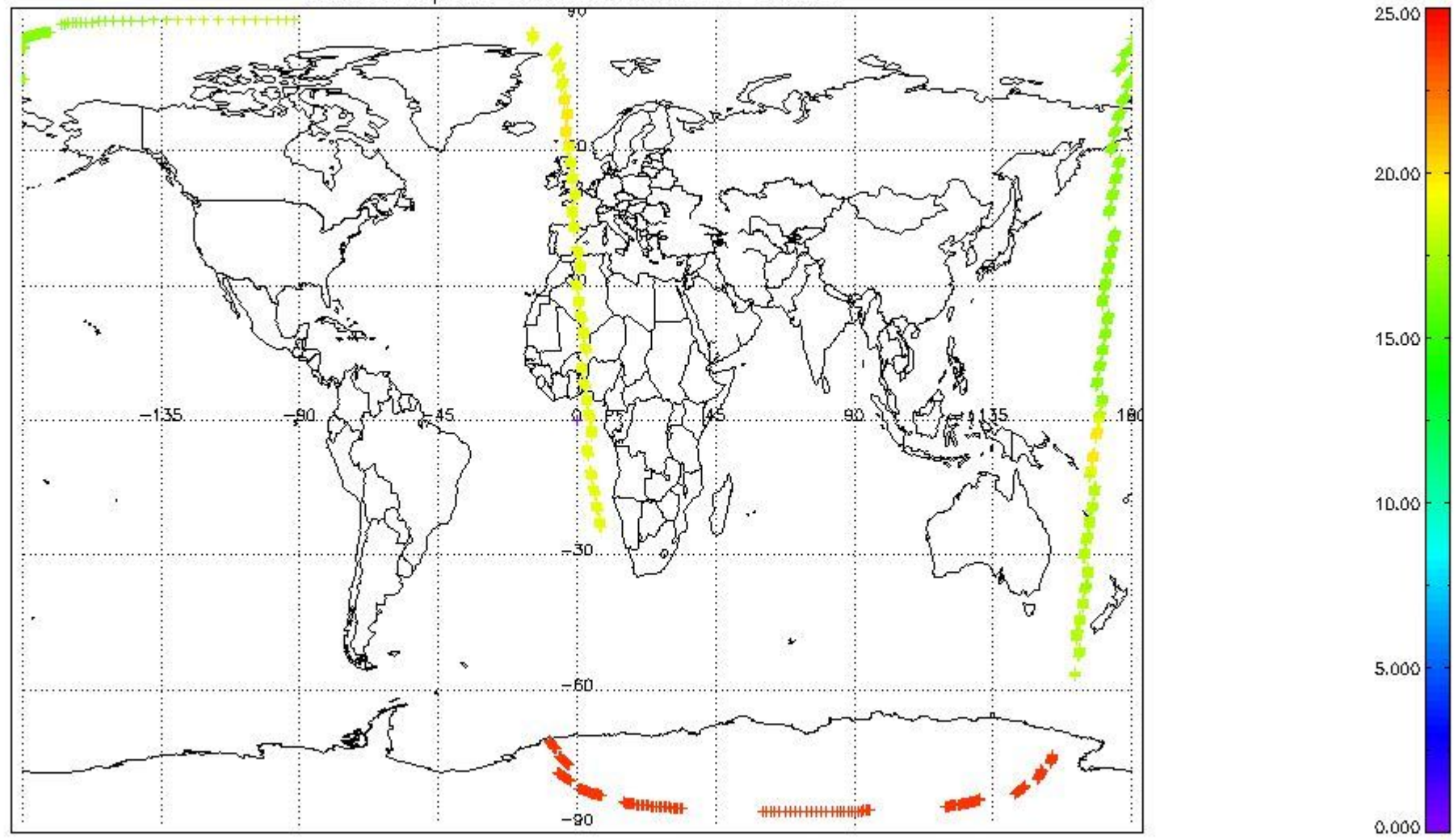


mipas_daily_report_level1_OFL_MIPAS_4_65_P_20060503_27.PNG

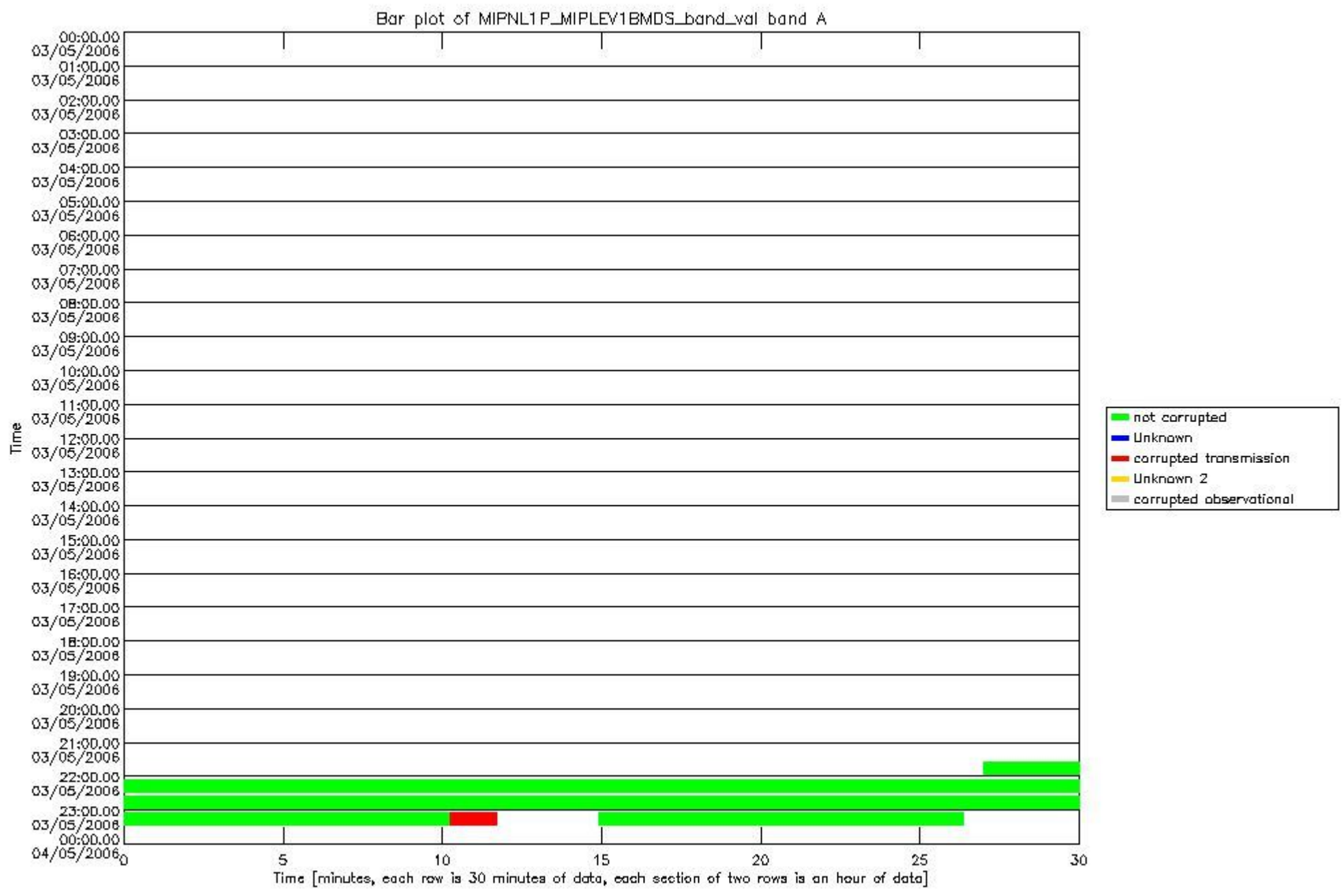


mipas_daily_report_level1_OFL_MIPAS_4_65_P_20060503_28.PNG

Geolocation plot of MIPNL1P_MIPLEV1BMDS_num_errs

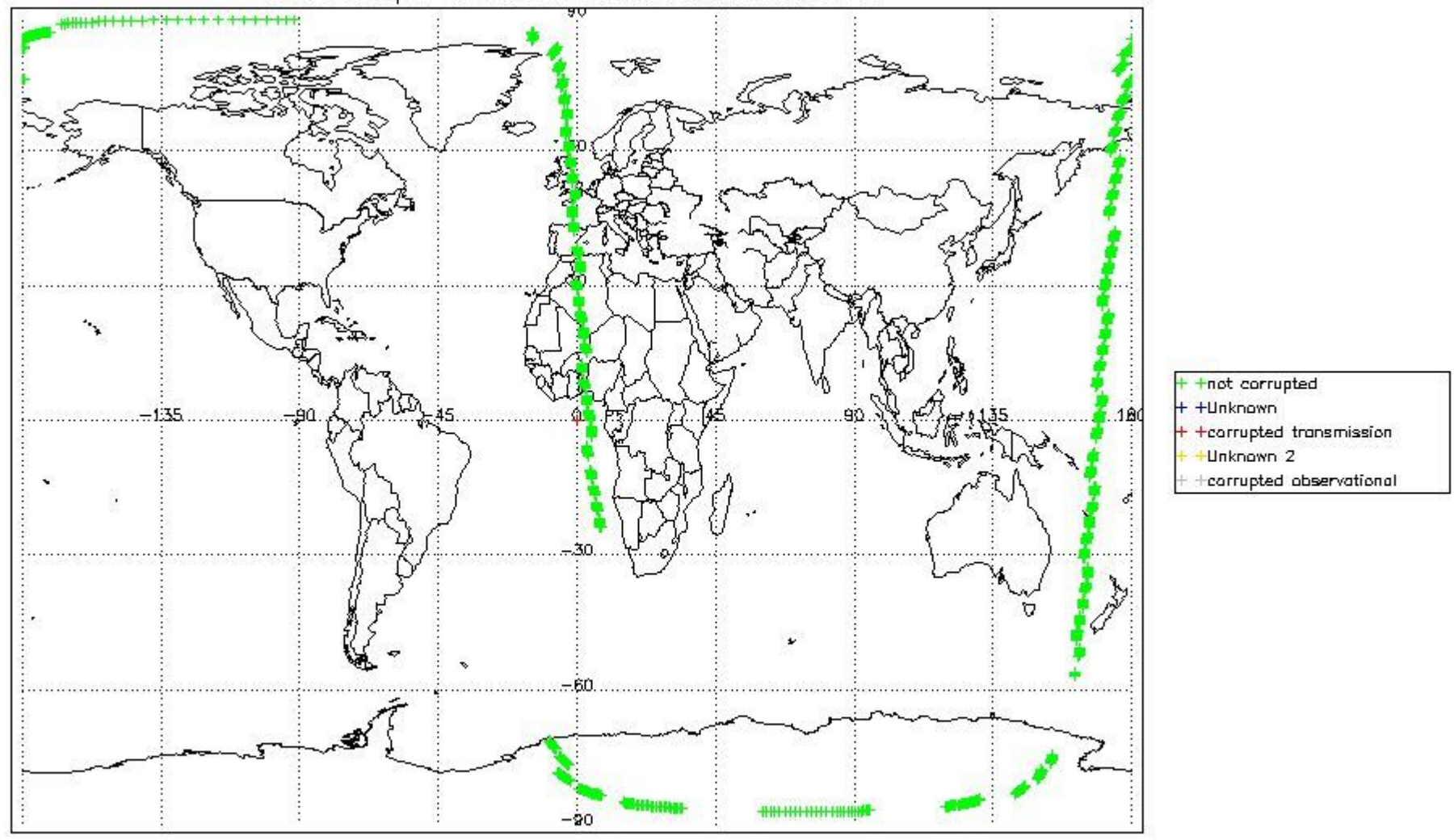


mipas_daily_report_level1_OFI_MIPAS_4_65_P_20060503_29.PNG



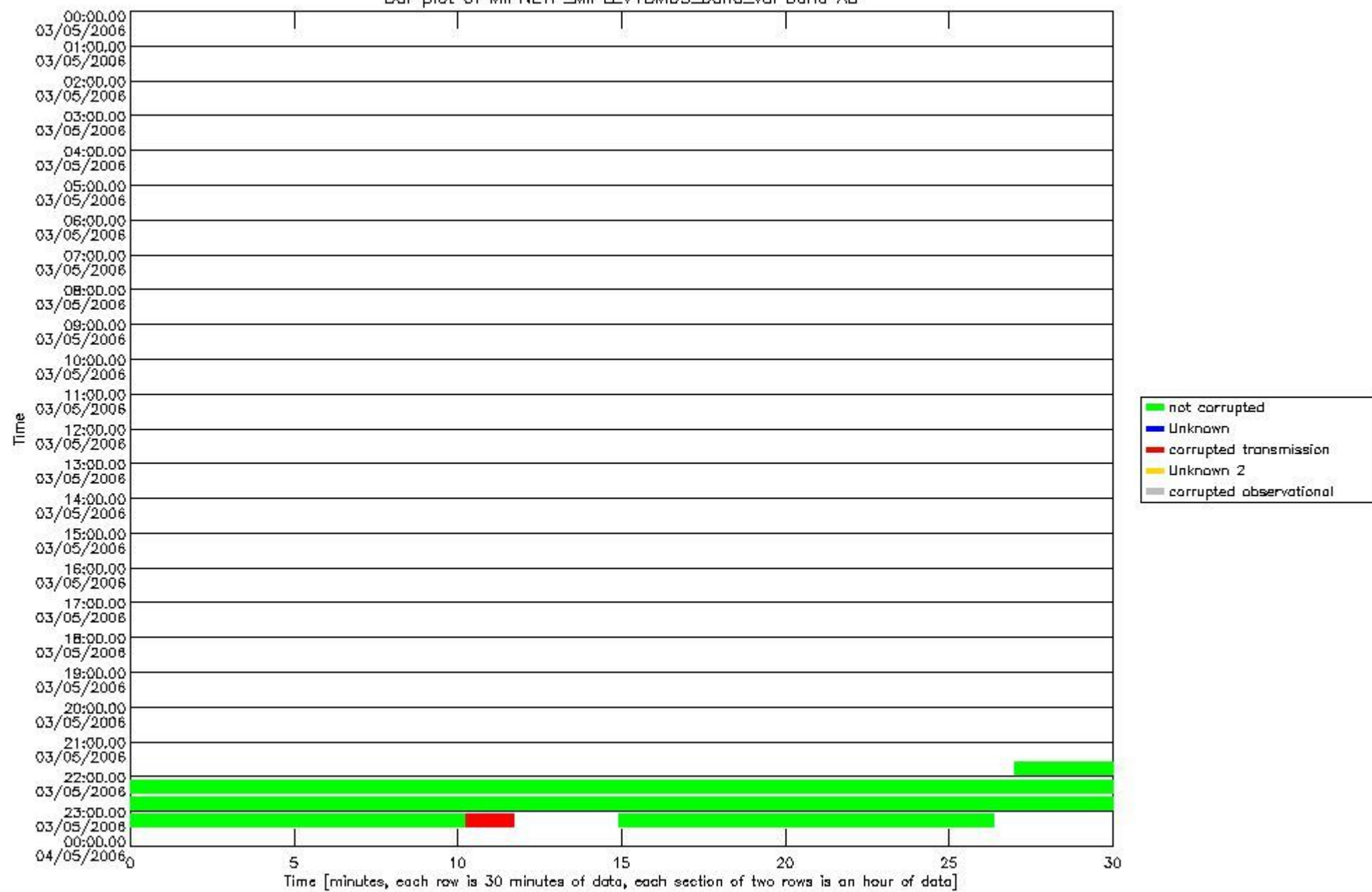
mipas_daily_report_level1_OFI_MIPAS_4_65_P_20060503_30.PNG

Geolocation plot of MIPNL1P_MIPLEV1BMDS_band_val band A

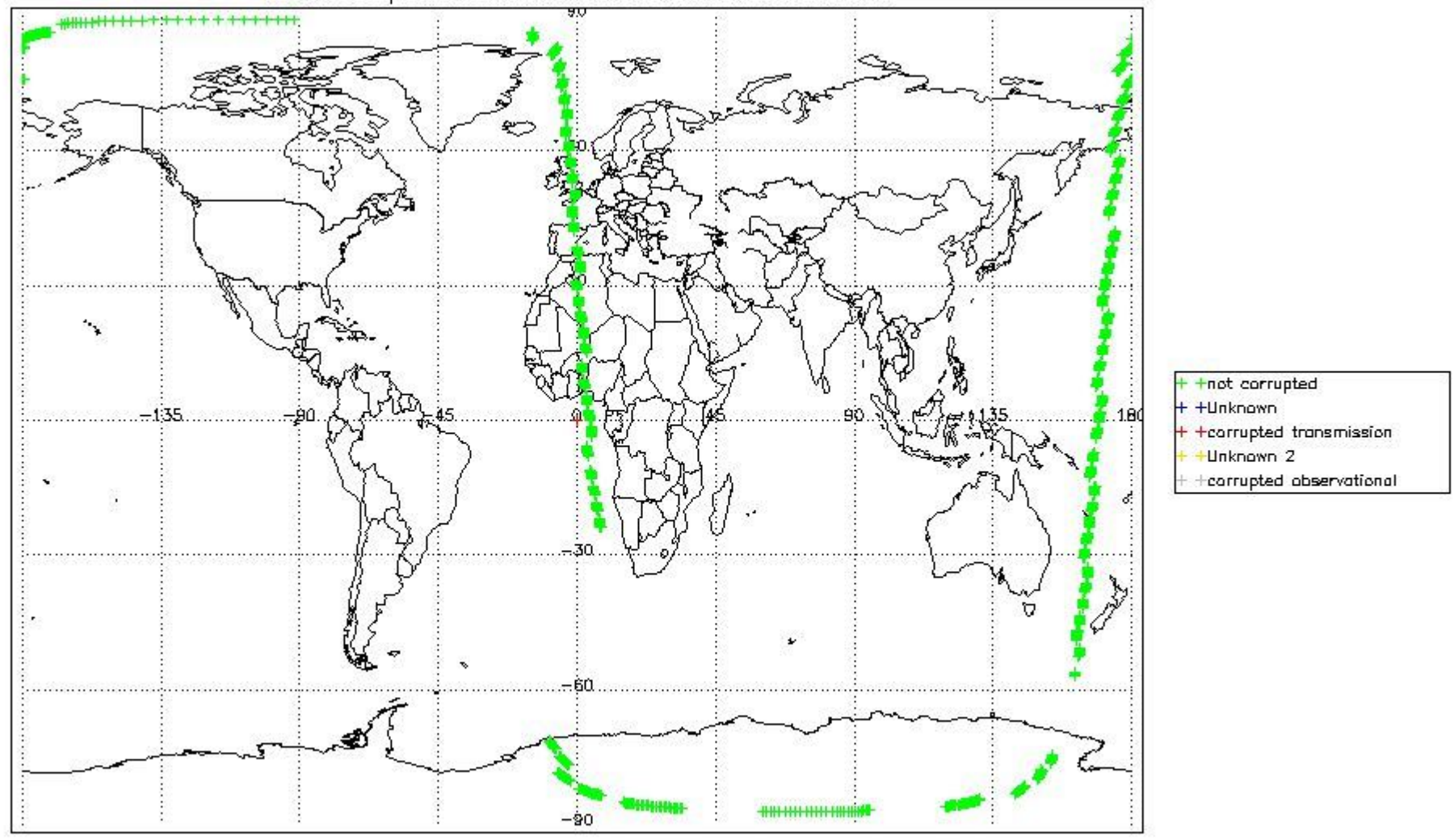


mipas_daily_report_level1_OFL_MIPAS_4_65_P_20060503_31.PNG

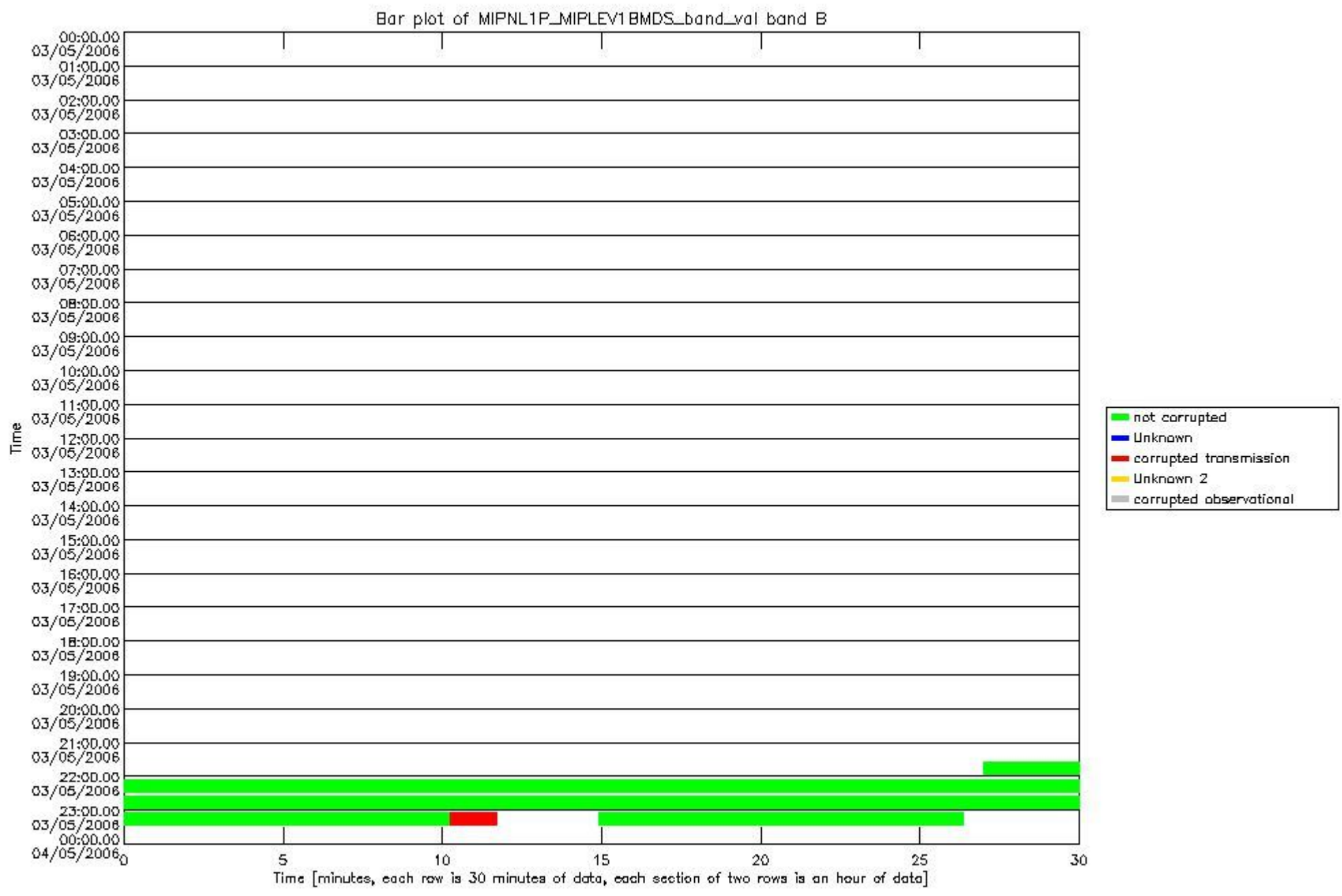
Bar plot of MIPNL1P_MIPLEV1BMDS_band_val band AB



Geolocation plot of MIPNL1P_MIPLEV1BMDS_band_val band AB

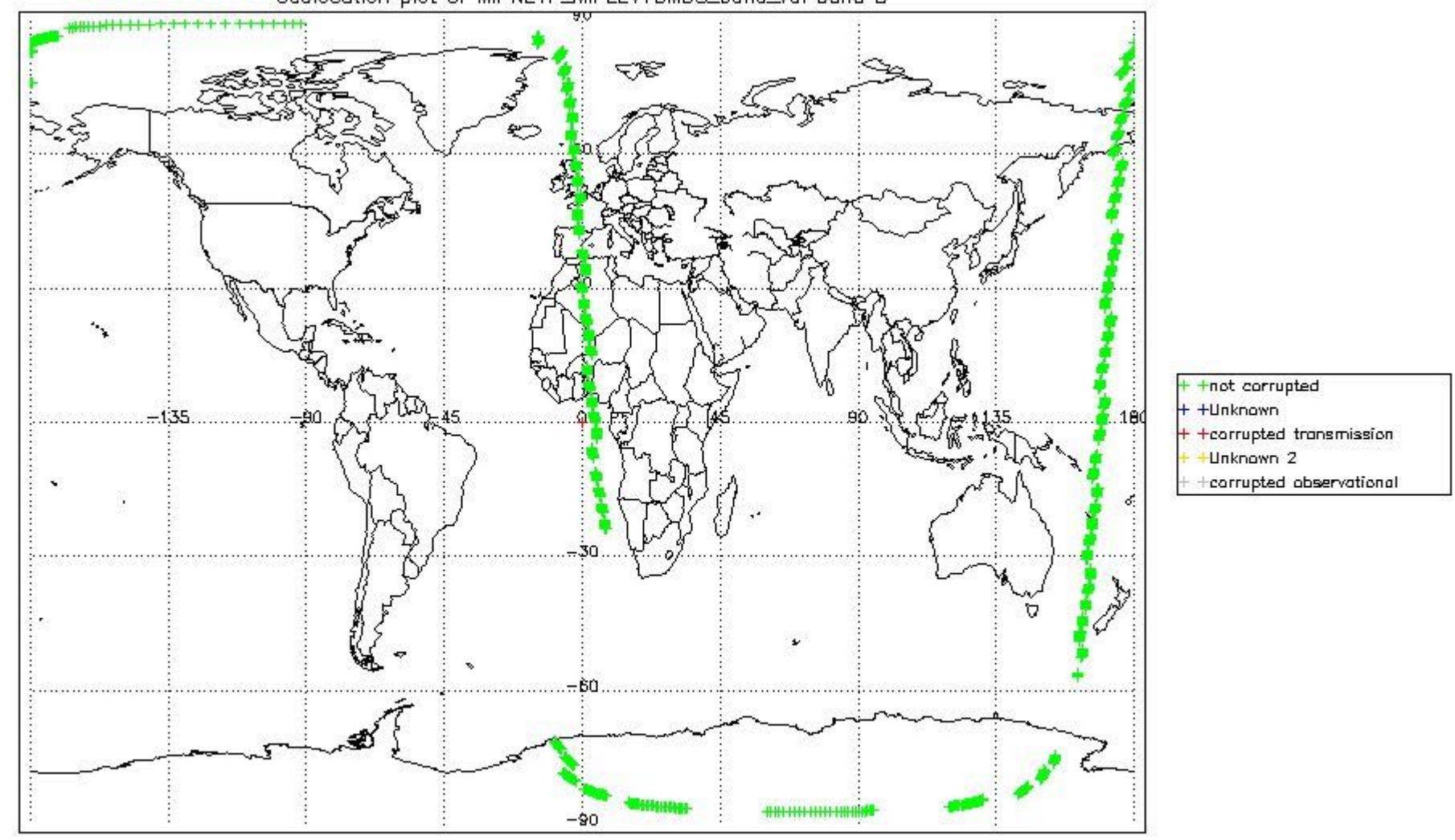


mipas_daily_report_level1_OFI_MIPAS_4_65_P_20060503_33.PNG

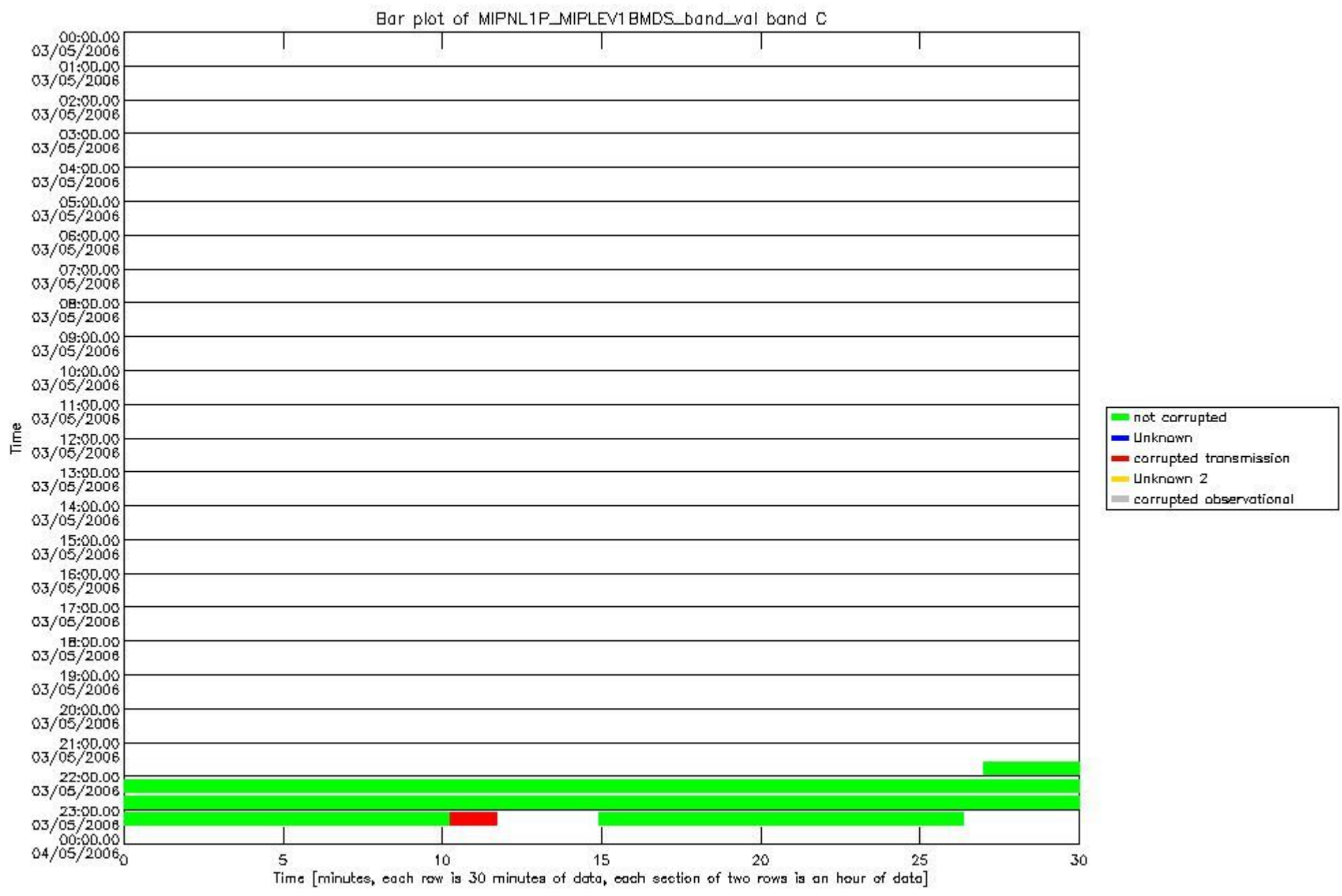


mipas_daily_report_level1_OFI_MIPAS_4_65_P_20060503_34.PNG

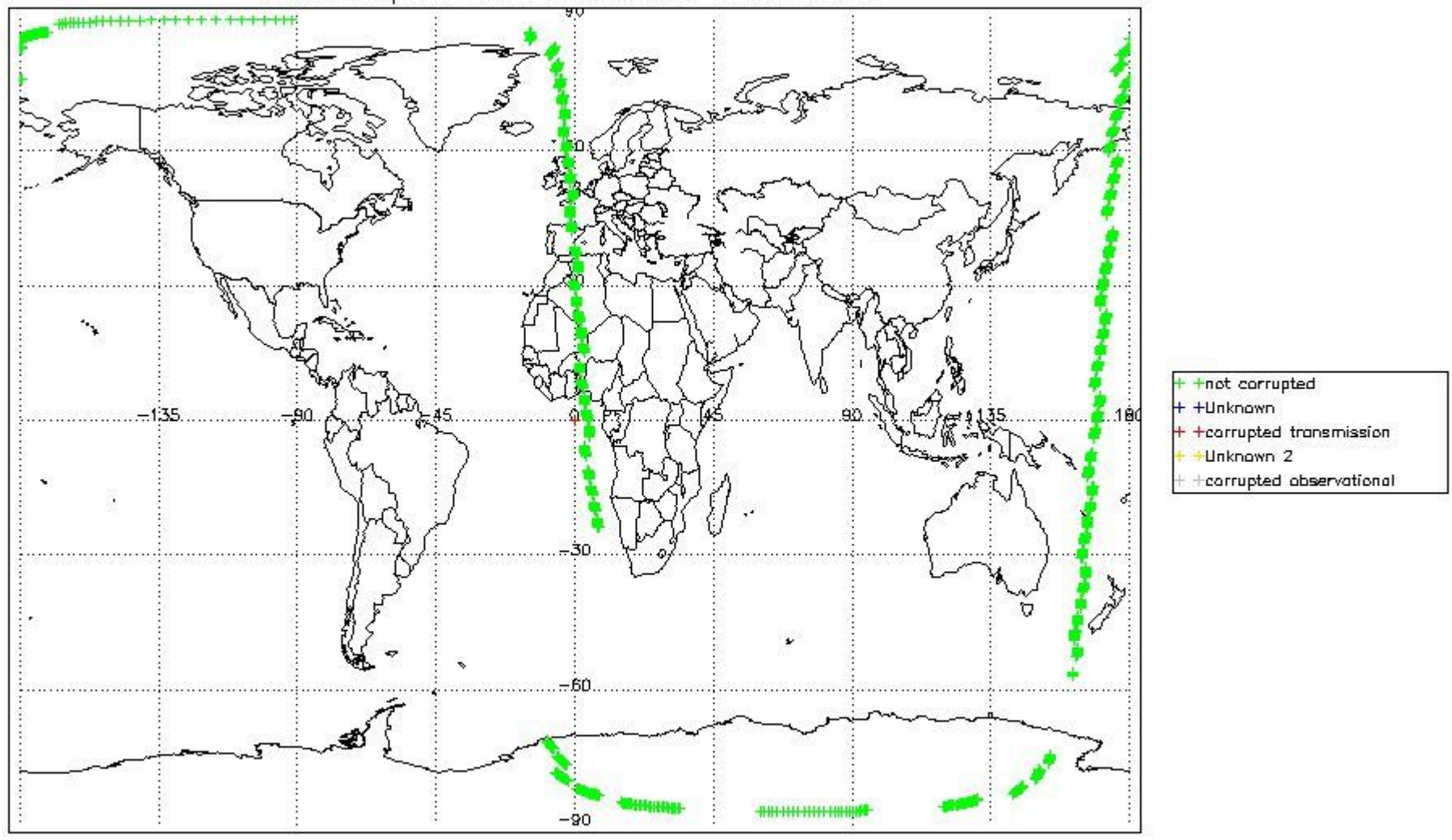
Geolocation plot of MIPNL1P_MIPLEV1BMDS_band_val band B



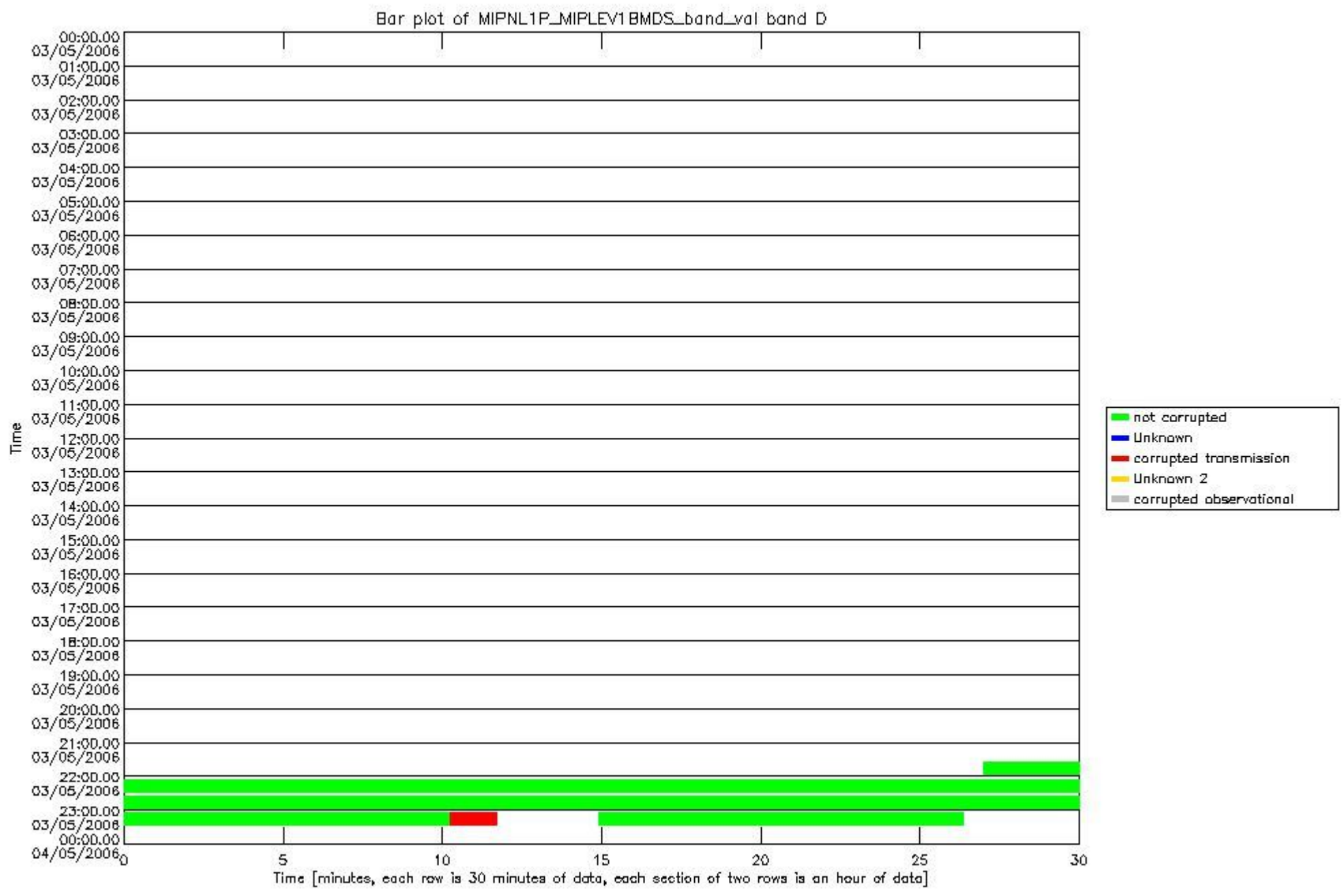
mipas_daily_report_level1_OFI_MIPAS_4_65_P_20060503_35.PNG



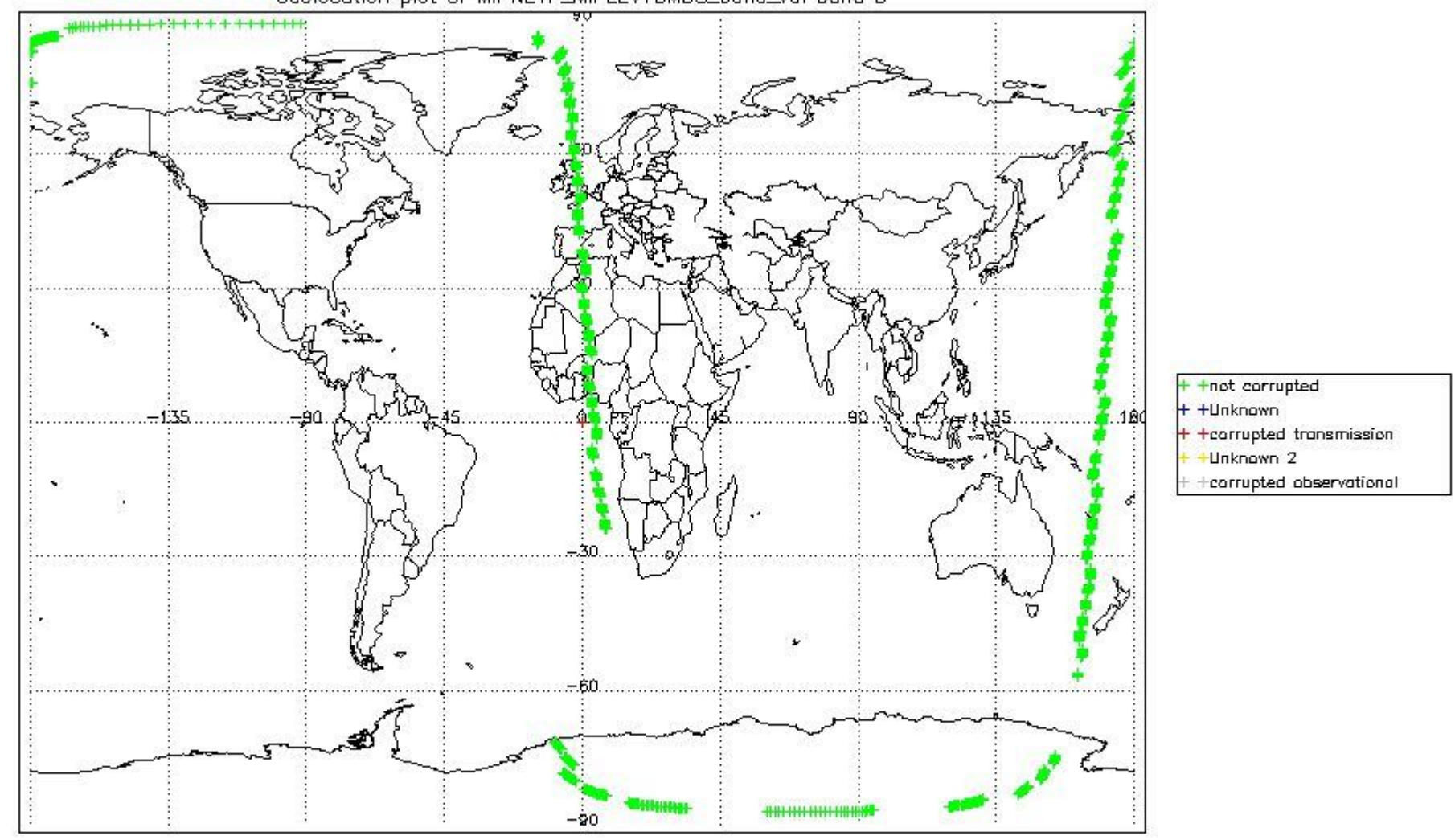
Geolocation plot of MIPNL1P_MIPLEV1BMDS_band_val band C



mipas_daily_report_level1_OFI_MIPAS_4_65_P_20060503_37.PNG

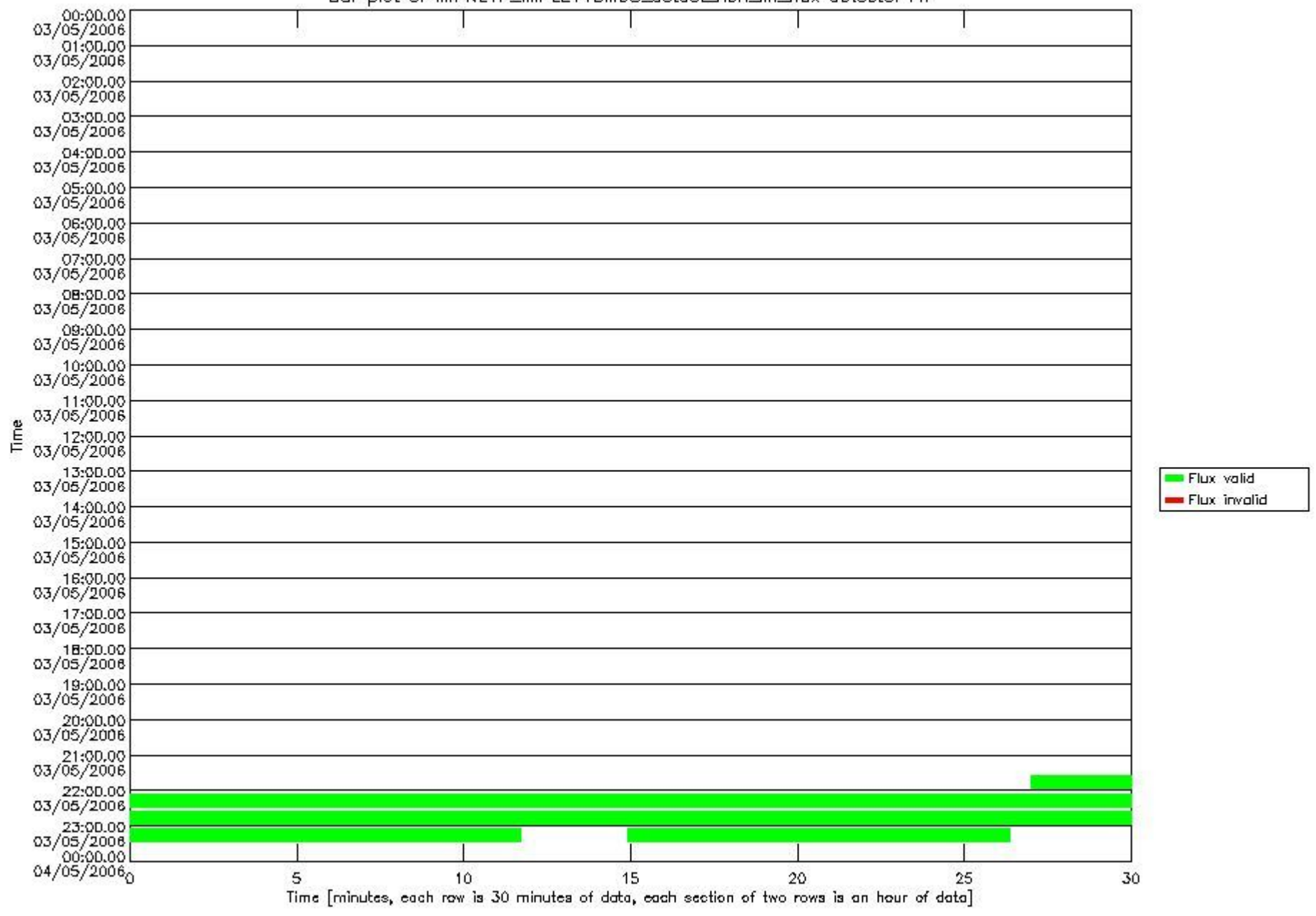


Geolocation plot of MIPNL1P_MIPLEV1BMDS_band_val band D

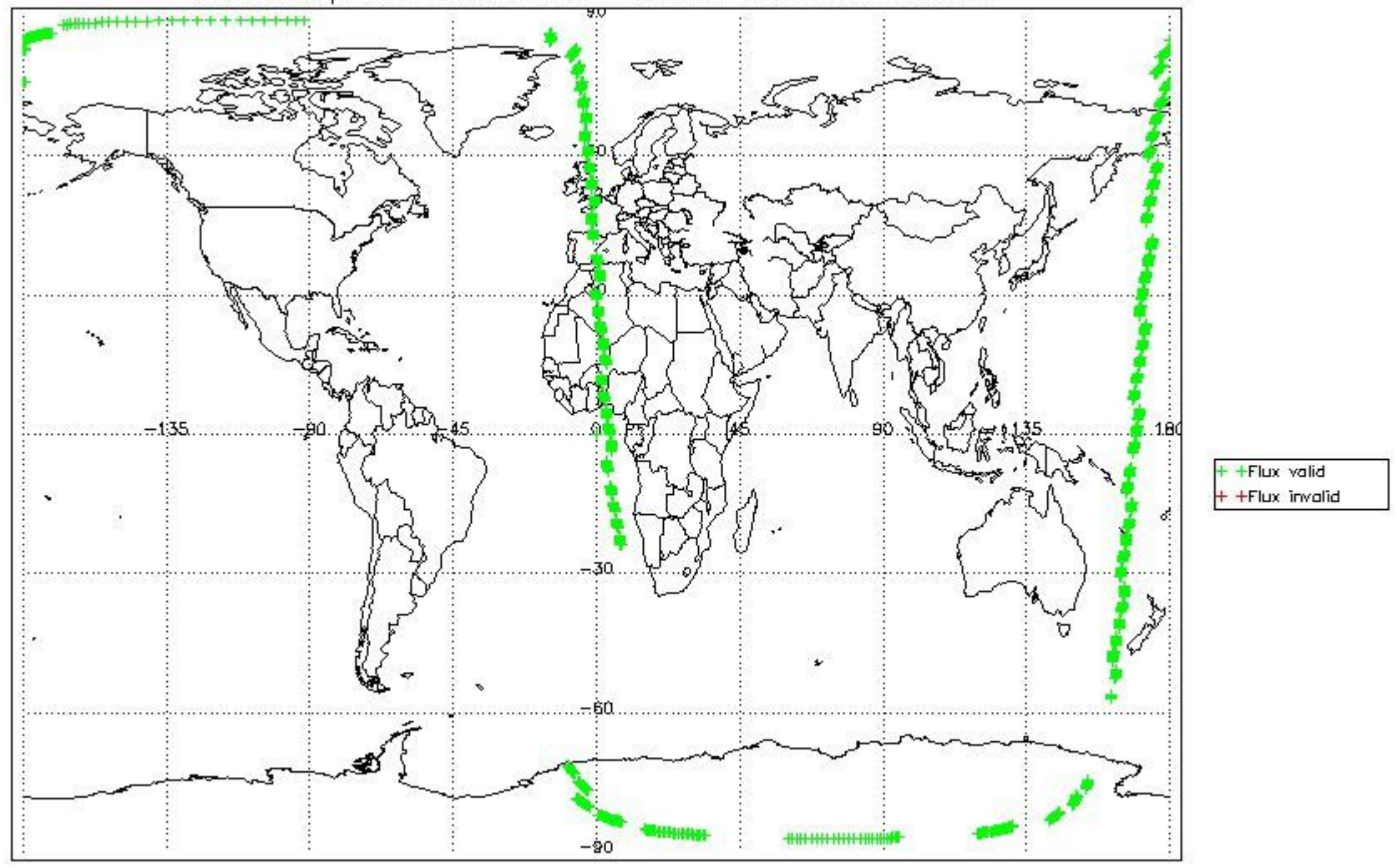


mipas_daily_report_level1_OFL_MIPAS_4_65_P_20060503_39.PNG

Bar plot of MIPNL1P_MIPLEV1BMDS_detect_non_jin_flux detector A1

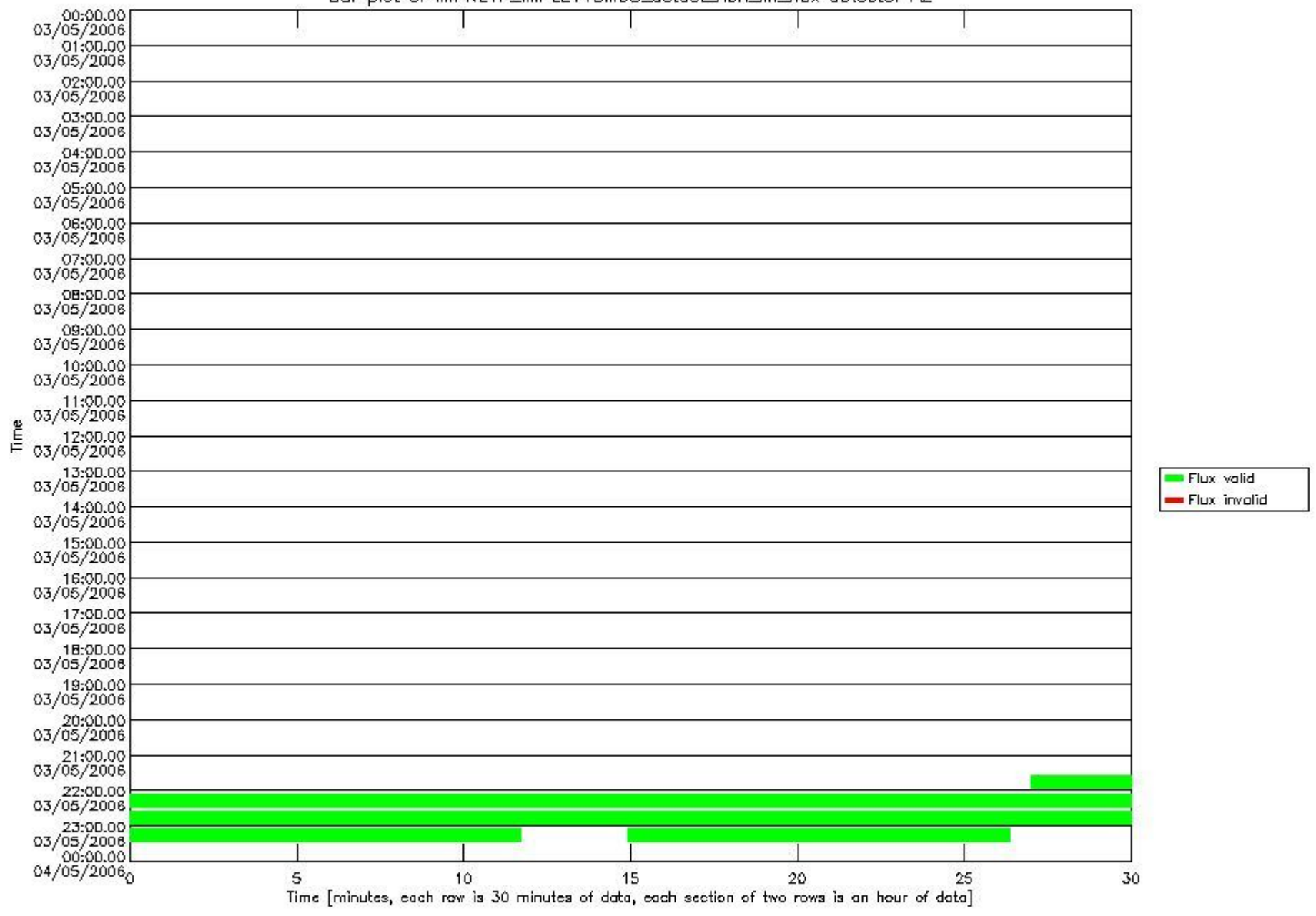


Geolocation plot of MIPNL1P_MIPLEV1BMDS_detect_non_in_flux detector A1

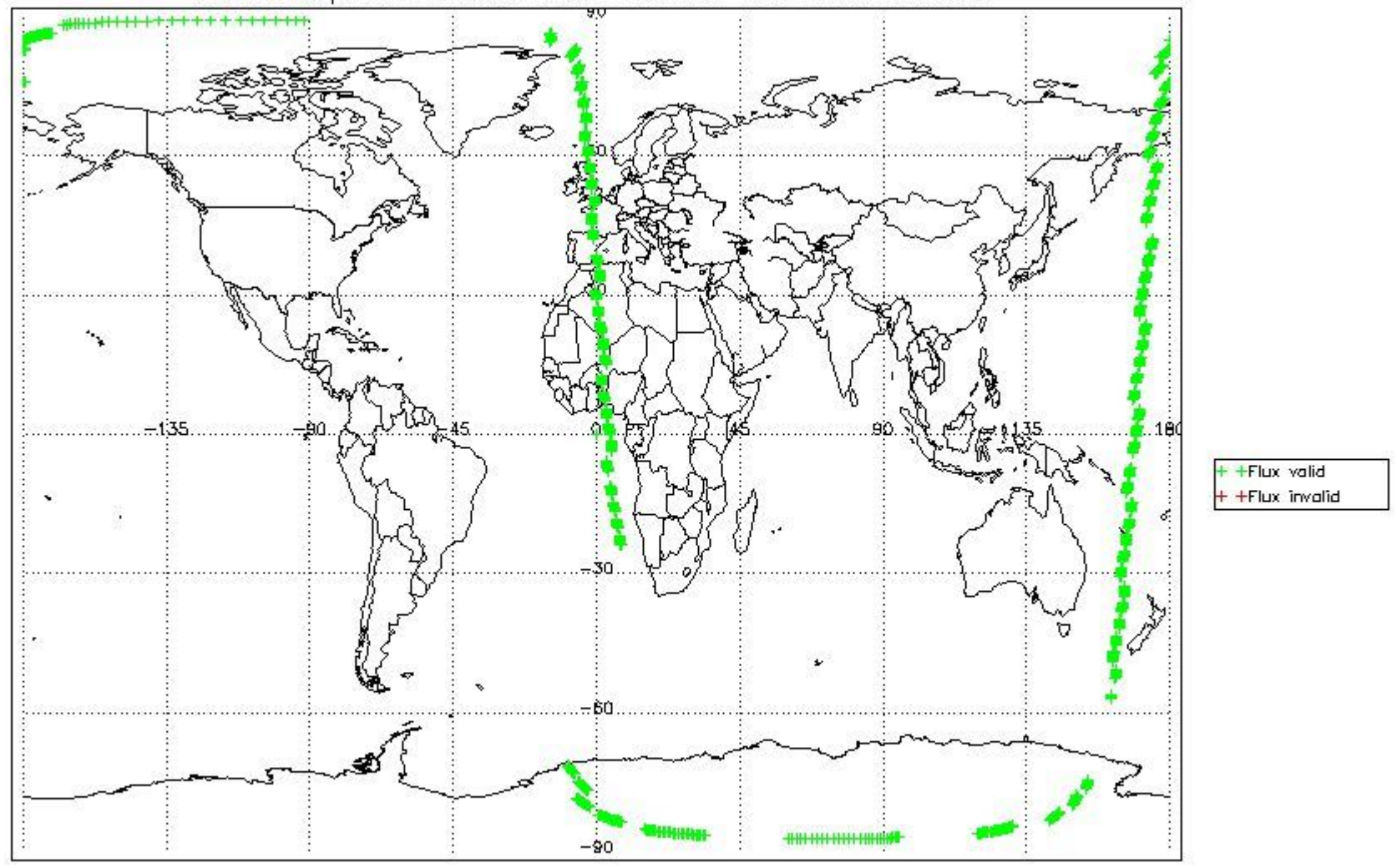


mipas_daily_report_level1_OFL_MIPAS_4_65_P_20060503_41.PNG

Bar plot of MIPNL1P_MIPLEV1BMDS_detect_non_jin_flux detector A2

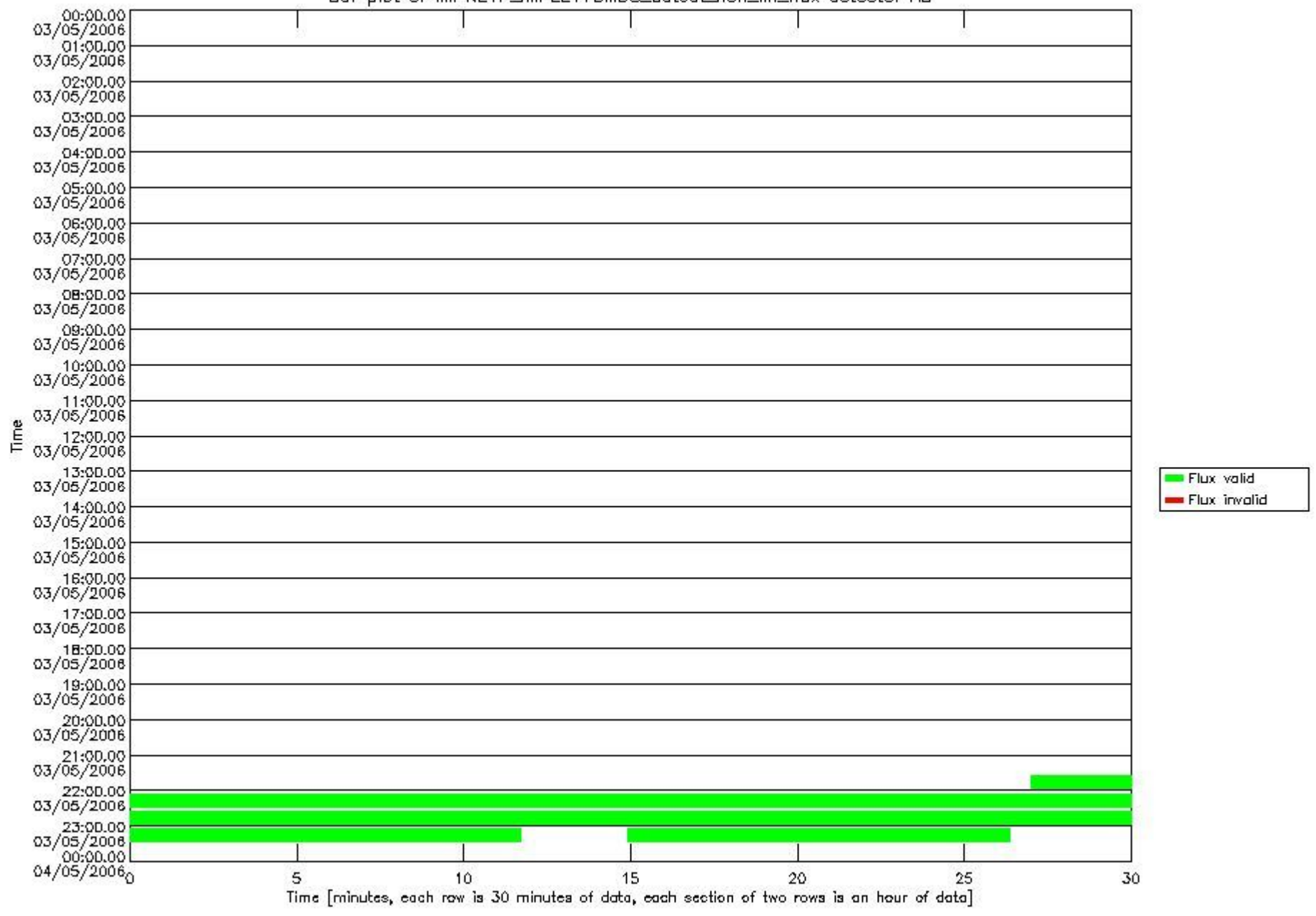


Geolocation plot of MIPNL1P_MIPLEV1BMDS_detect_non_jin_flux detector A2

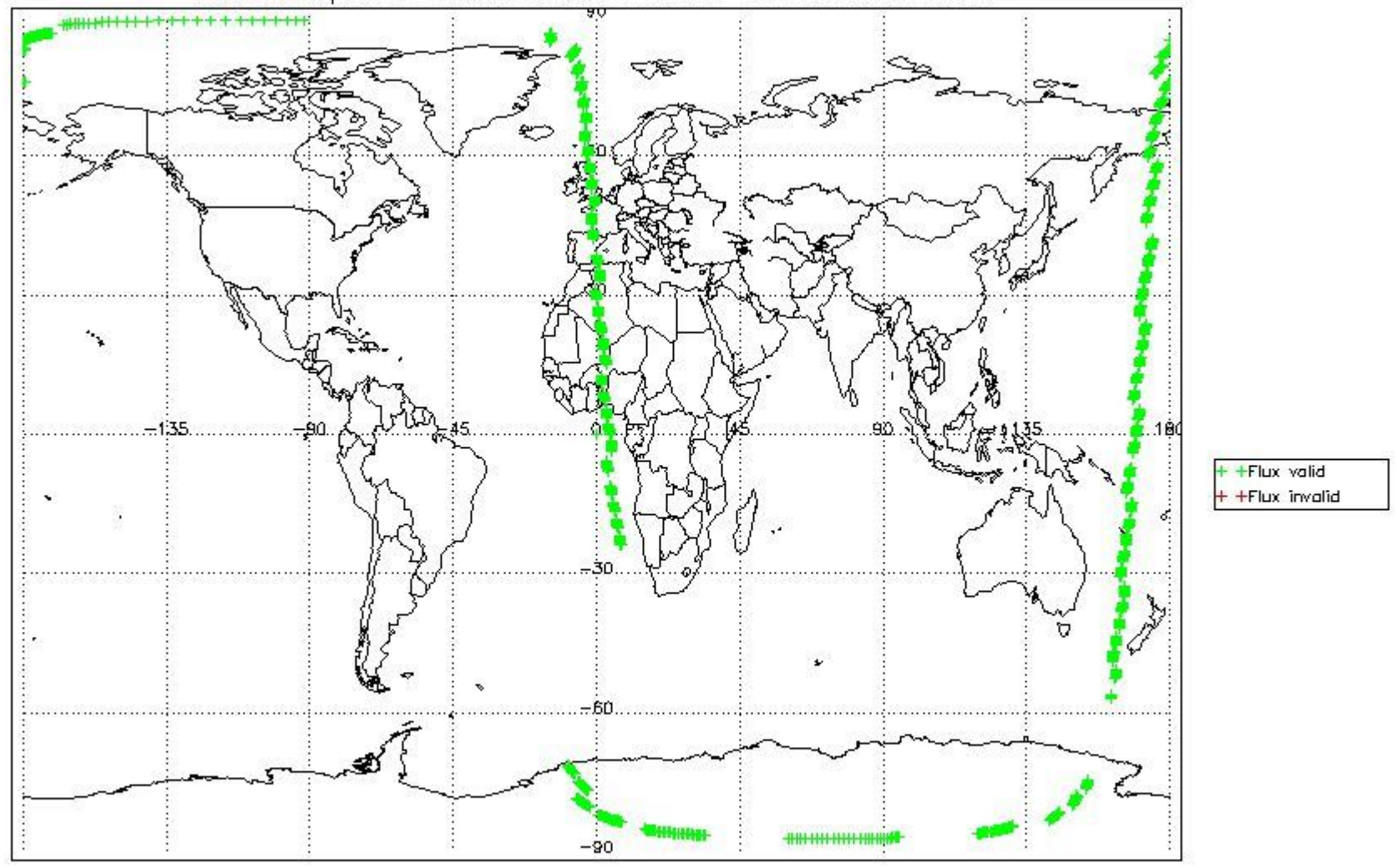


mipas_daily_report_level1_OFL_MIPAS_4_65_P_20060503_43.PNG

Bar plot of MIPNL1P_MIPLEV1 BMDS_detect_non_lin_flux detector AB

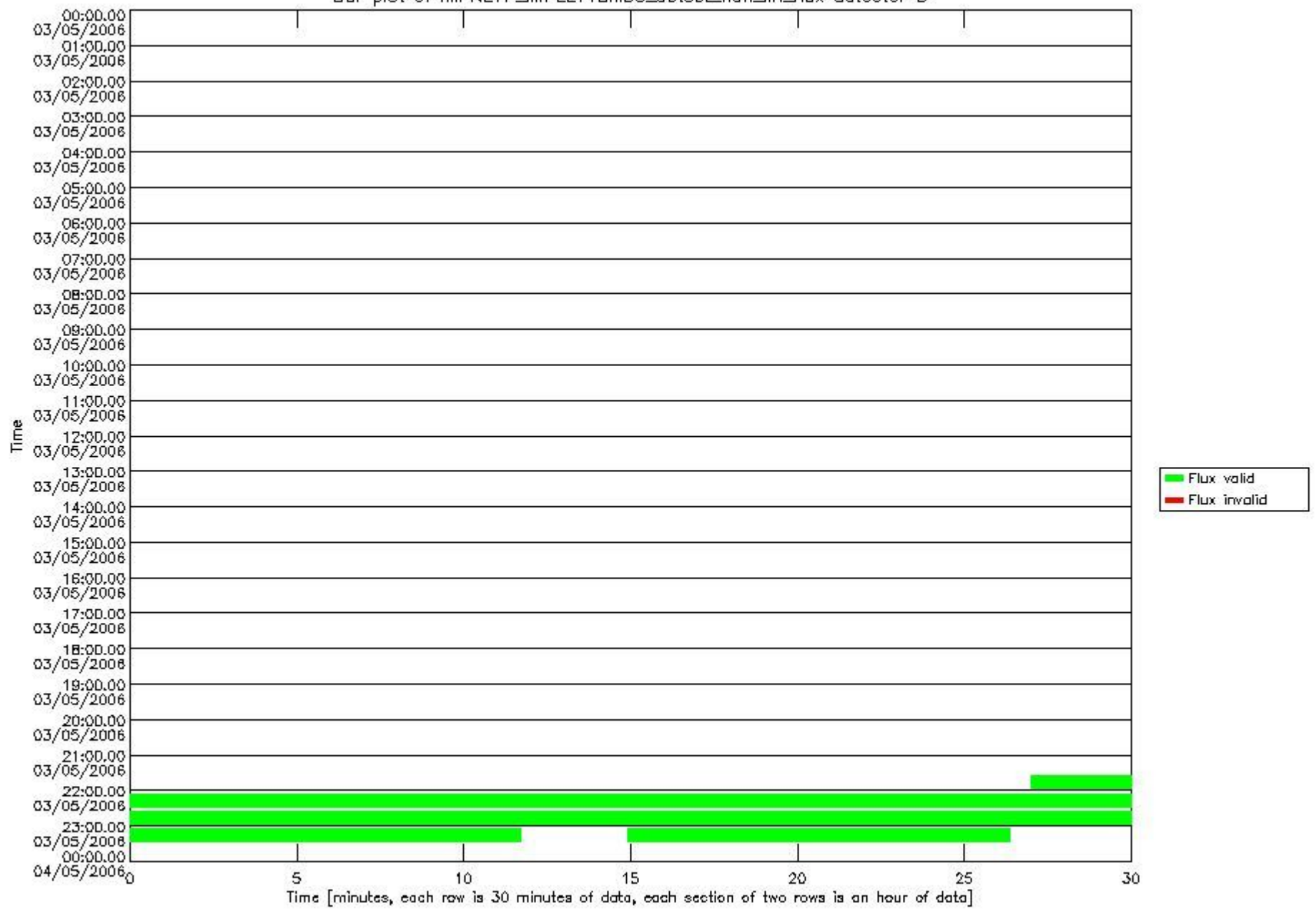


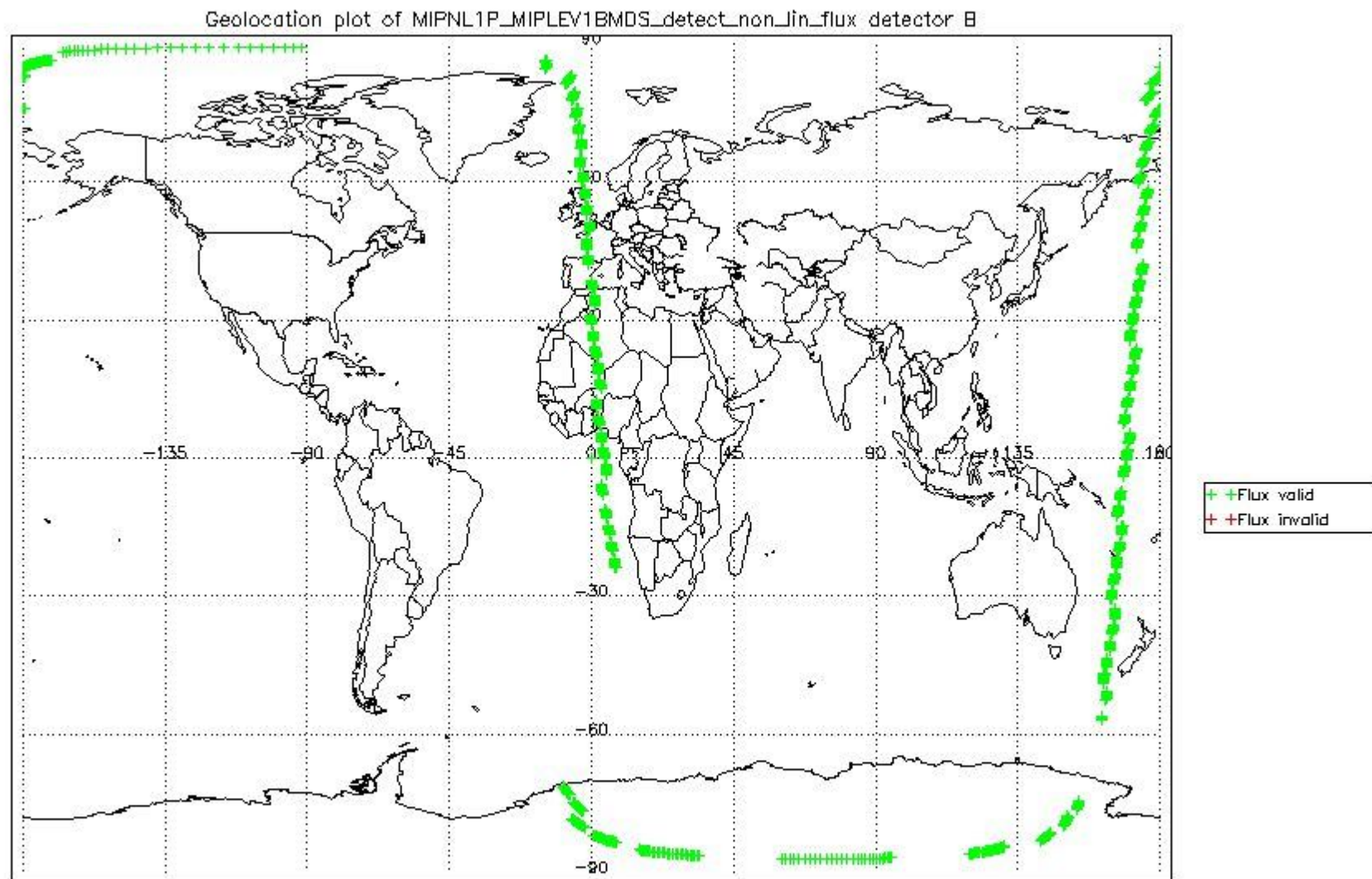
Geolocation plot of MIPNL1P_MIPLEV1BMDS_detect_non_lin_flux detector AB



mipas_daily_report_level1_OFL_MIPAS_4_65_P_20060503_45.PNG

Bar plot of MIPNL1P_MIPLEV1BMDS_detect_non_jin_flux detector B





mipas_daily_report_level1_OFL_MIPAS_4_65_P_20060503_47.PNG

1.2.3 Scan information ADS

The following plots each contain 100 squares. Each square contains one NESR-scan (from MIPNL1P_SCAINFADS_nesr_data).

The horizontal axis represents the sweep ID (starts at 1). A maximum of 19 sweeps per scan can be displayed.

The vertical axis shows the NESR data point index (starts at 0), which relates to wavenumber. A maximum of 200 wavenumber-points per NESR-measurement can be displayed.

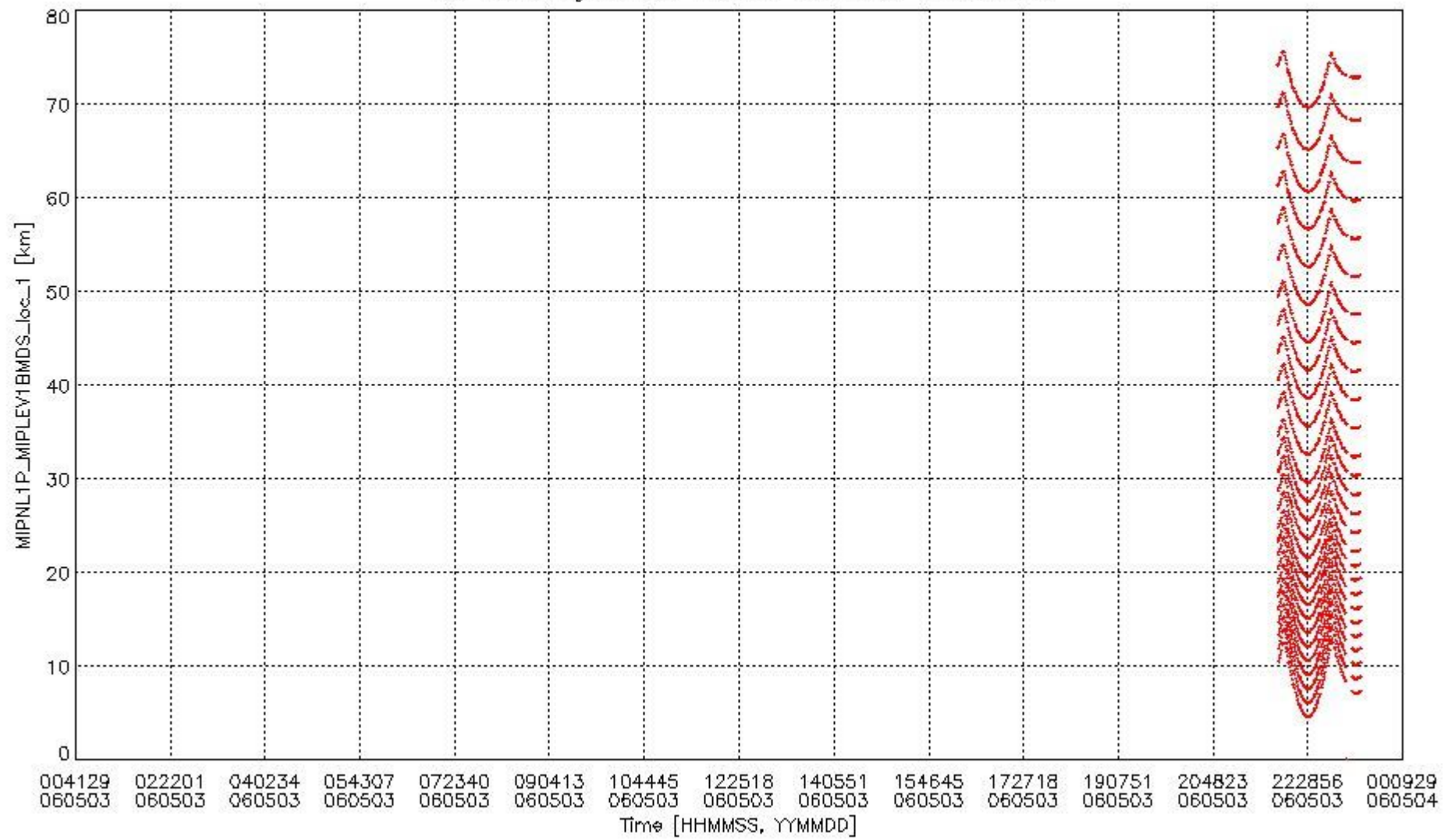
The data values themselves are indicated by colours (as indicated on the right of the plot). Please refer to the plot header for data units.



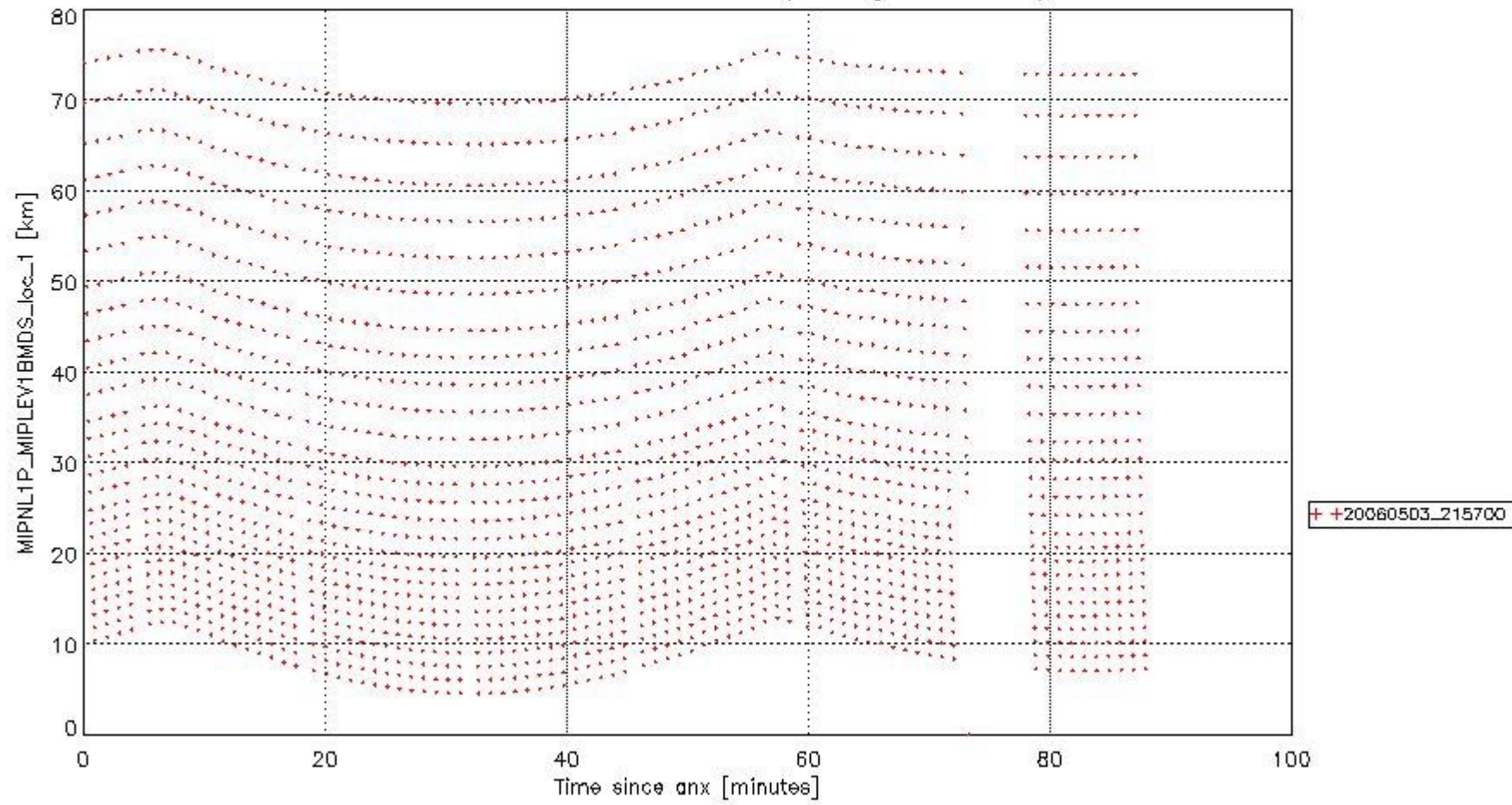
mipas_daily_report_level1_OFL_MIPAS_4_65_P_20060503_48.PNG

1.3 Physical Quality Indicators

Plot of MIPNL1P_MIPLEV1BMDS_loc_1 against time.
The vertical grid lines indicate estimated anx events.



Plot of MIPNL1P_MIPLEV1BMDS_loc_1 against relative time within orbit.
The colours indicate distinct orbits (see legend for anx).

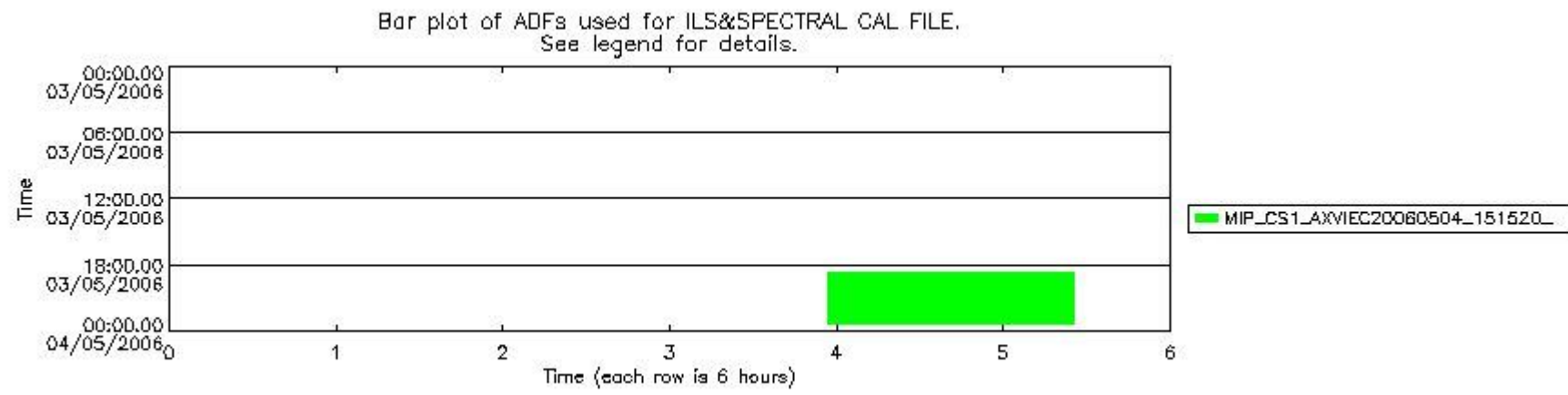


mipas_daily_report_level1_OFL_MIPAS_4_65_P_20060503_50.PNG

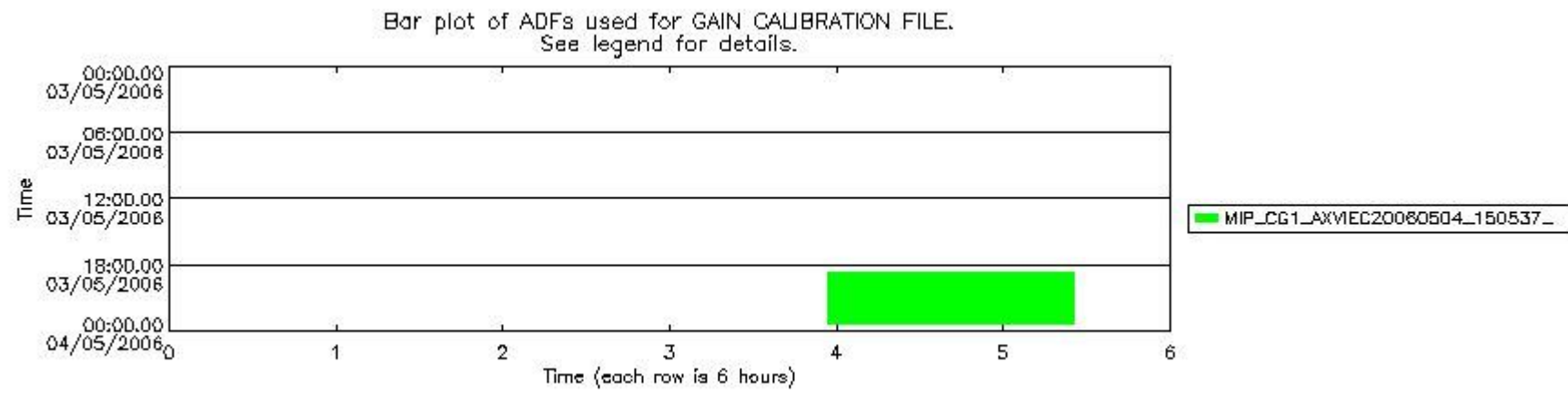
1.4 ADF monitoring

Number	ADF
0	AUX_FRO_AXVPDS20060506_001409_20060502_221000_20060505_005000
1	MIP_CA1_AXVIEC20050627_094412_20040809_000000_20090809_000000
2	MIP_CG1_AXVIEC20060504_150537_20060501_000000_20110501_000000
3	MIP_CL1_AXVIEC20050420_152028_20050420_095747_20100420_095747
4	MIP_CO1_AXVIEC20060504_150033_20060501_000000_20110501_000000
5	MIP_CS1_AXVIEC20060504_151520_20060501_000000_20110501_000000
6	MIP_MW1_AXVIEC20050627_094928_20040809_000000_20090809_000000
7	MIP_PS1_AXVIEC20050627_100609_20040809_000000_20090809_000000

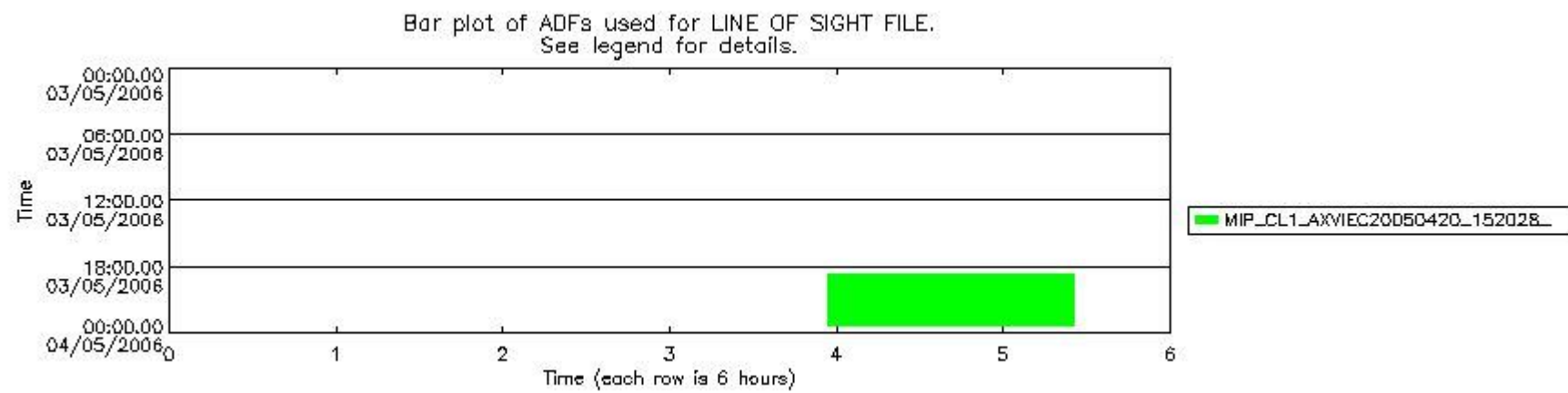
Number	Product name	#CS1	#CG1	#CL1	#CA1	#CO1	#MW1	#PS1	#FPO
0	MIP_NL_1PPDPA20060503_215701_000052742047_00230_21827_2238.N1	5	2	3	1	4	6	7	0



mipas_daily_report_level1_OFI_MIPAS_4_65_P_20060503_51.PNG

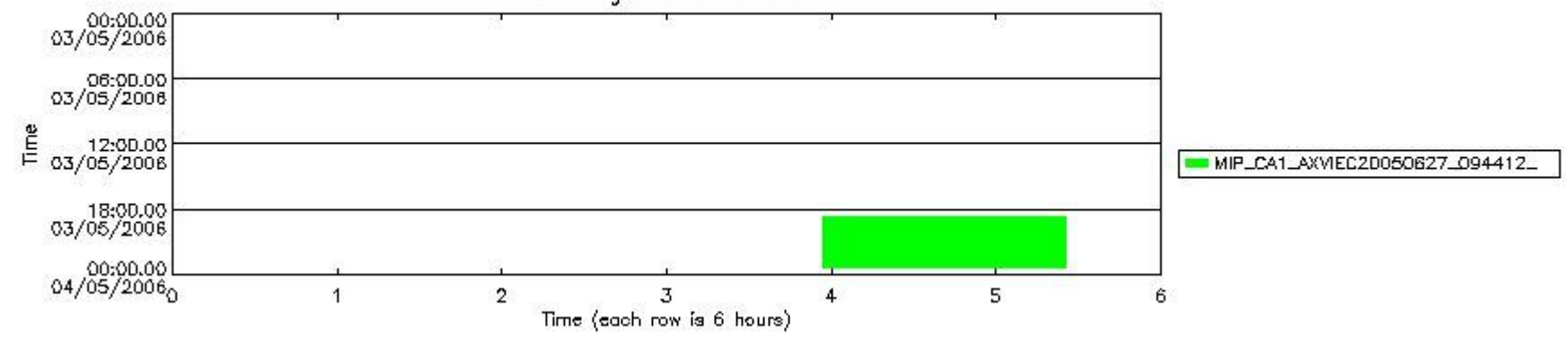


mipas_daily_report_level1_OFI_MIPAS_4_65_P_20060503_52.PNG



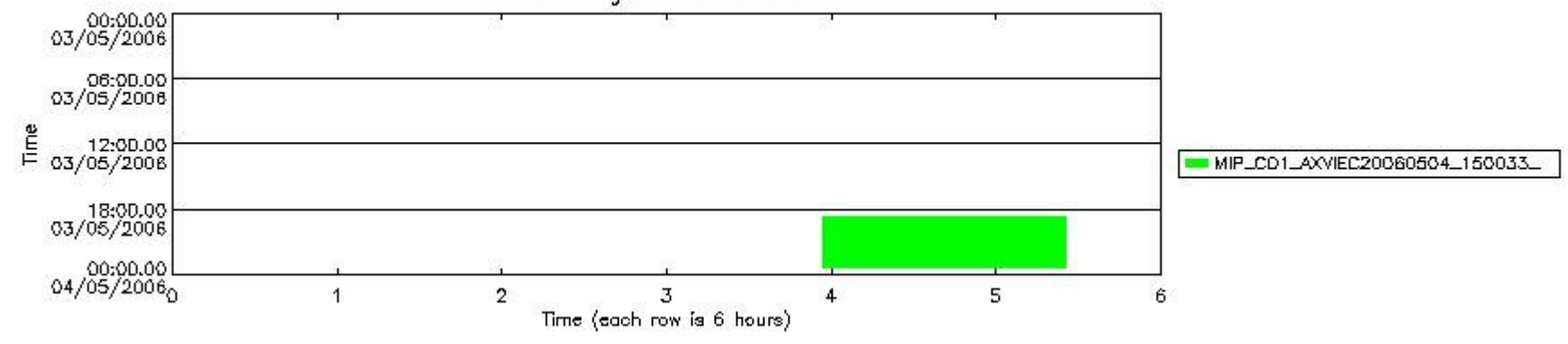
mipas_daily_report_level1_OFI_MIPAS_4_65_P_20060503_53.PNG

Bar plot of ADFs used for INSTRUMENT CHAR FILE.
See legend for details.



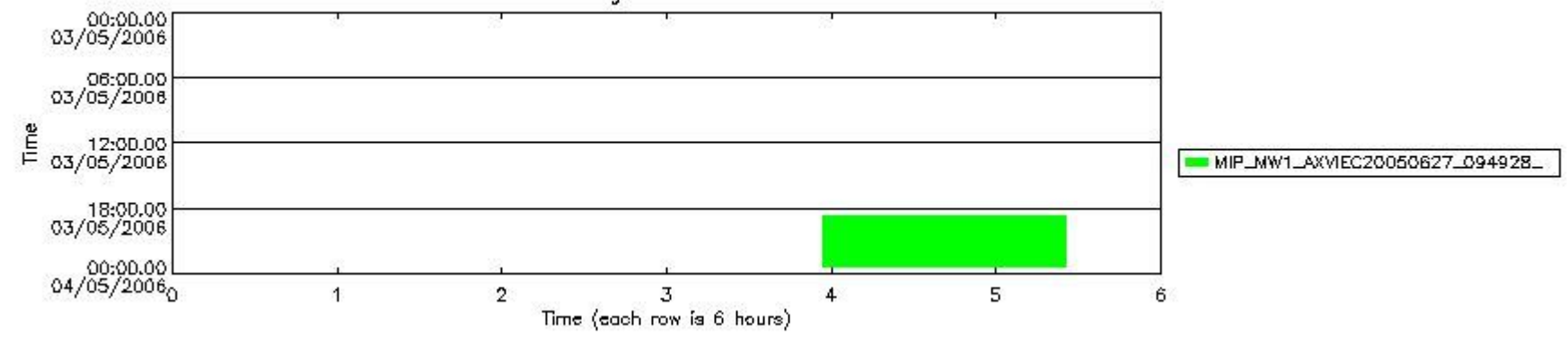
mipas_daily_report_level1_OFL_MIPAS_4_65_P_20060503_54.PNG

Bar plot of ADFs used for OFFSET VALIDATION FILE.
See legend for details.



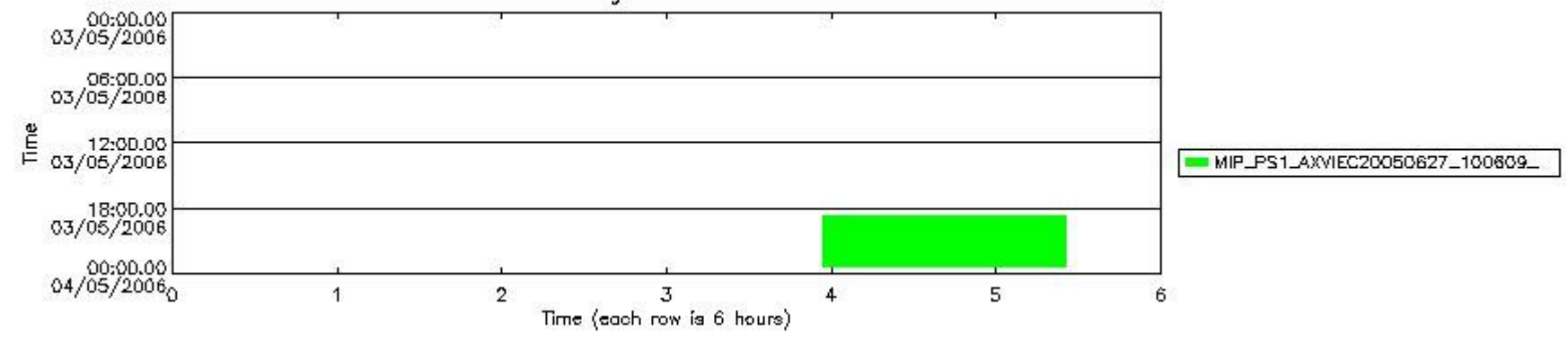
mipas_daily_report_level1_OFL_MIPAS_4_65_P_20060503_55.PNG

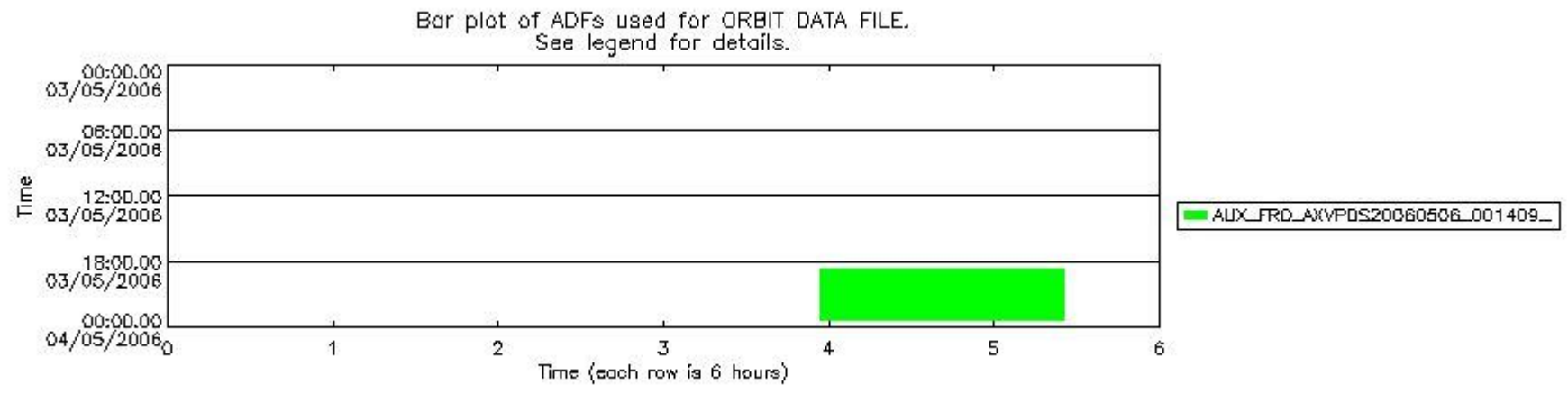
Bar plot of ADFs used for MICROWINDOWS FILE.
See legend for details.



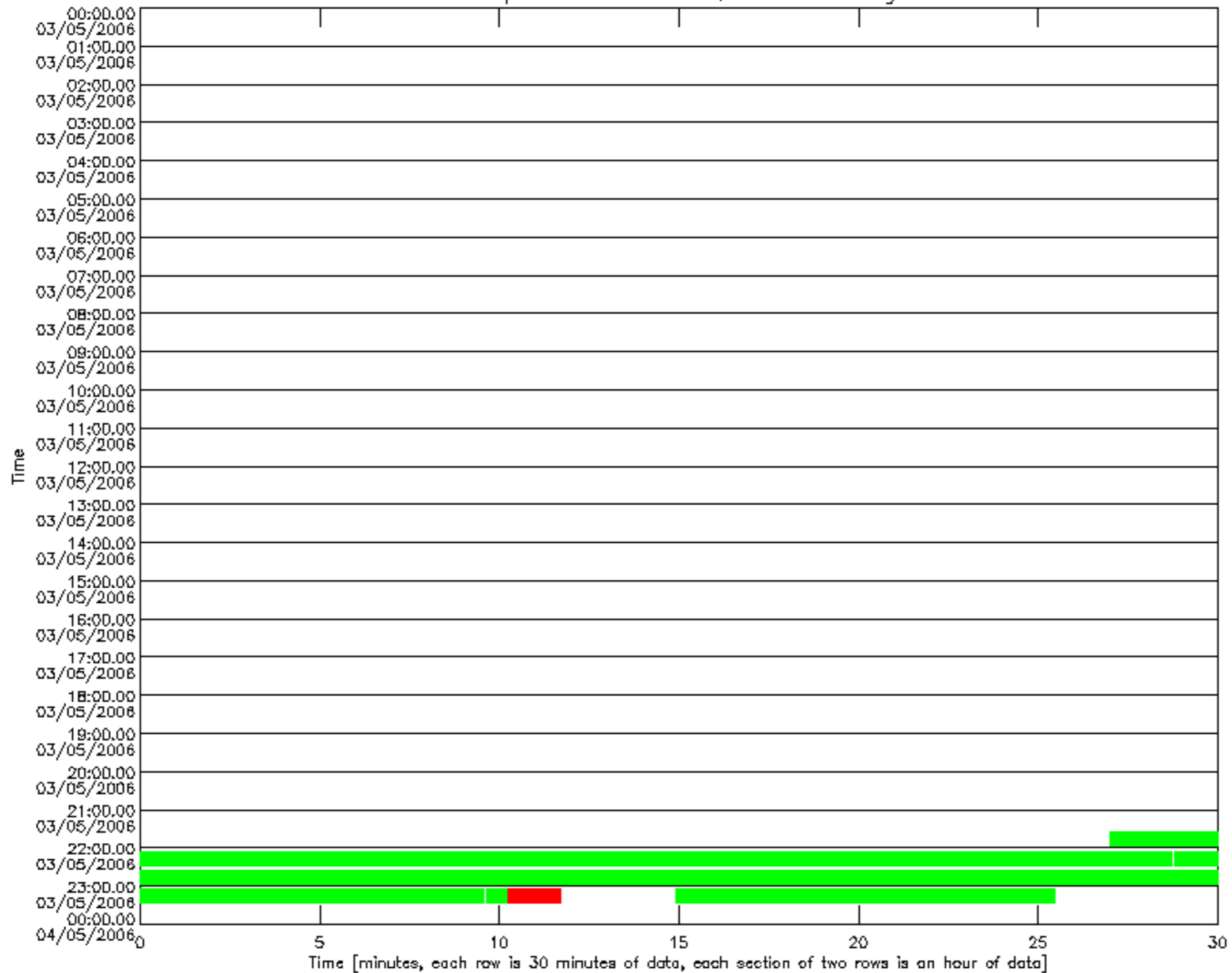
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Bar plot of ADFs used for PROCESS PARAMETERS FILE.
See legend for details.

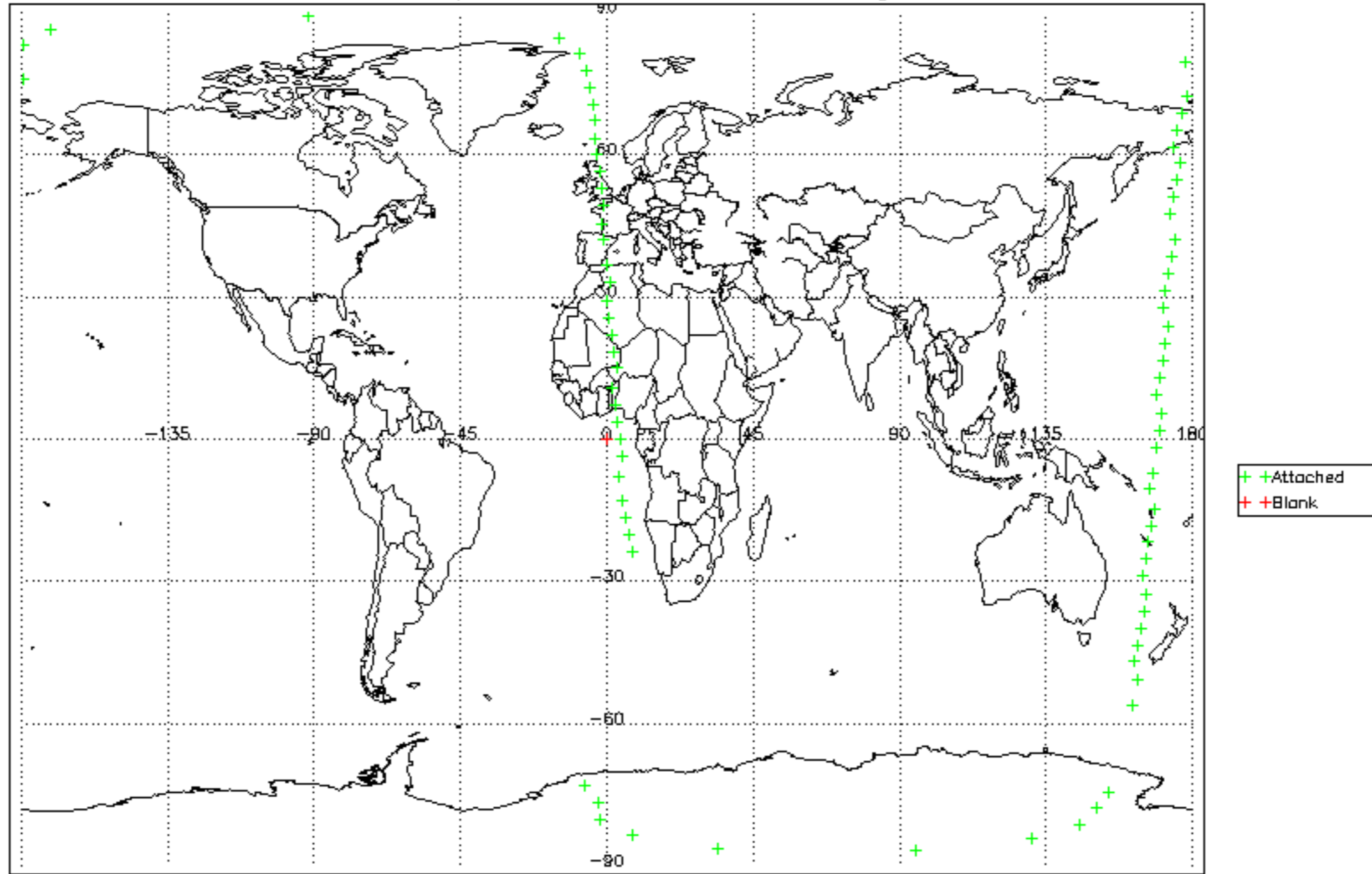


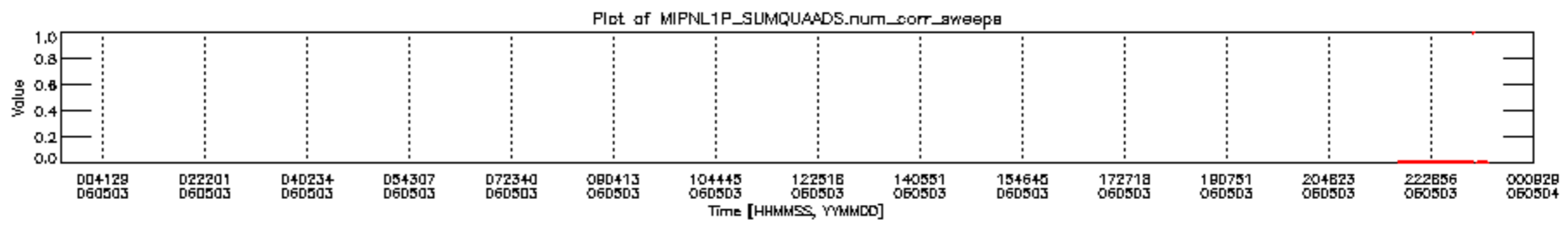


Bar plot of MIPNL1P_SUMQUAADS.attach_flag

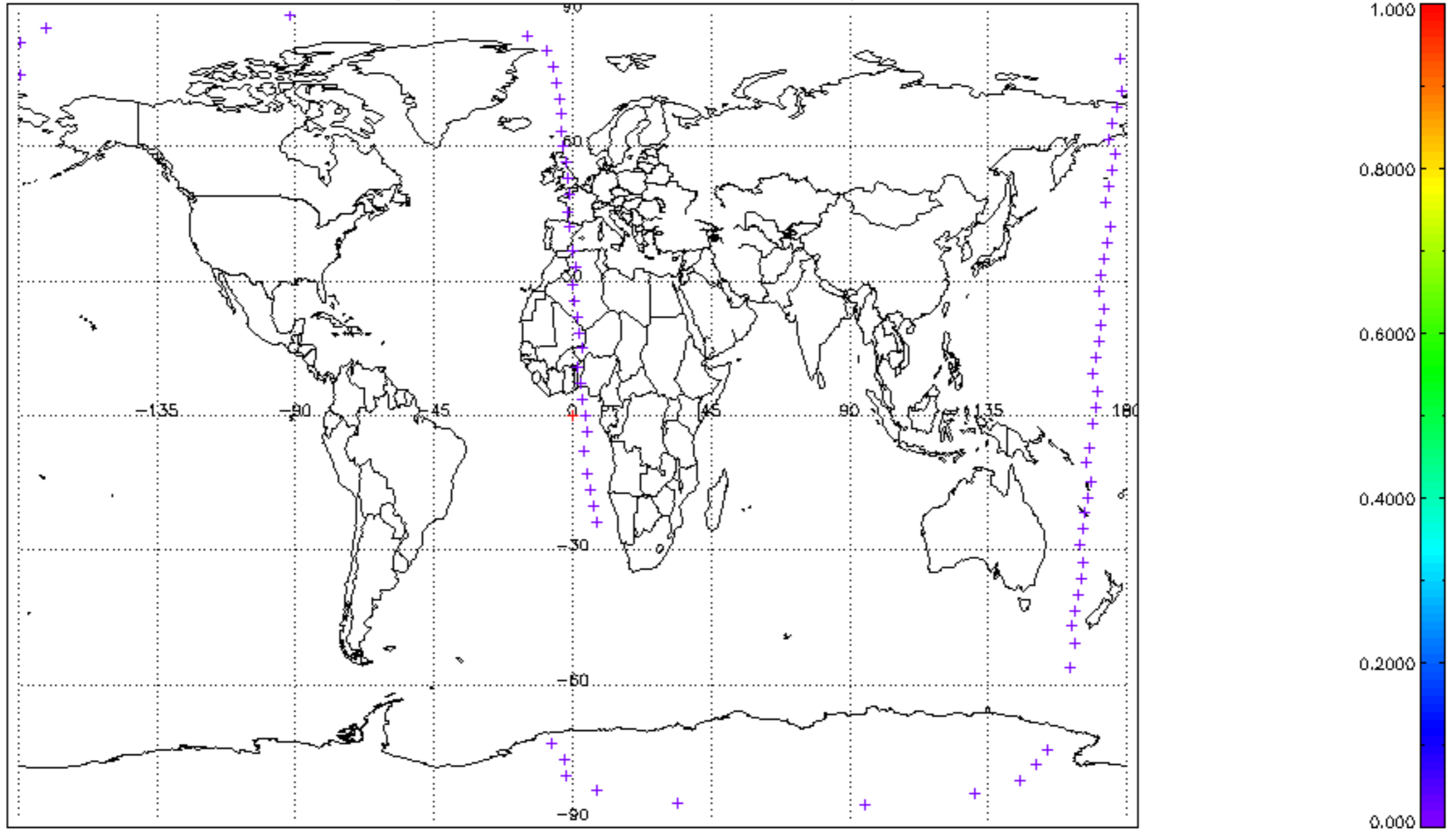


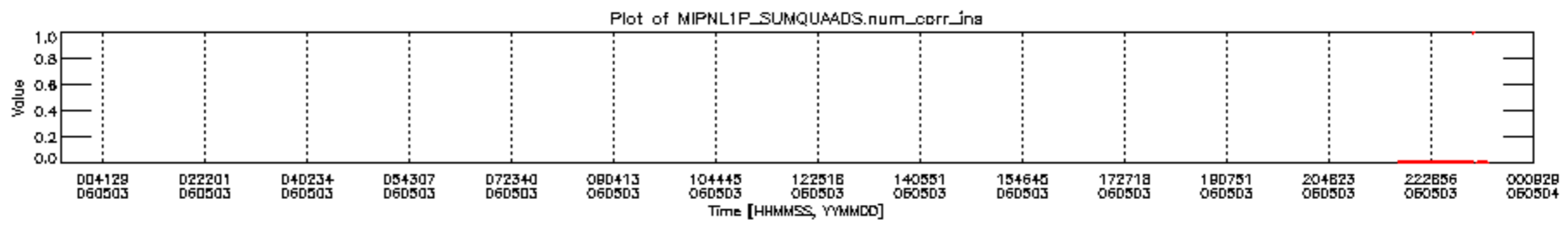
Geolocation plot of MIPNL1P_SUMQUAADS.attach_flag



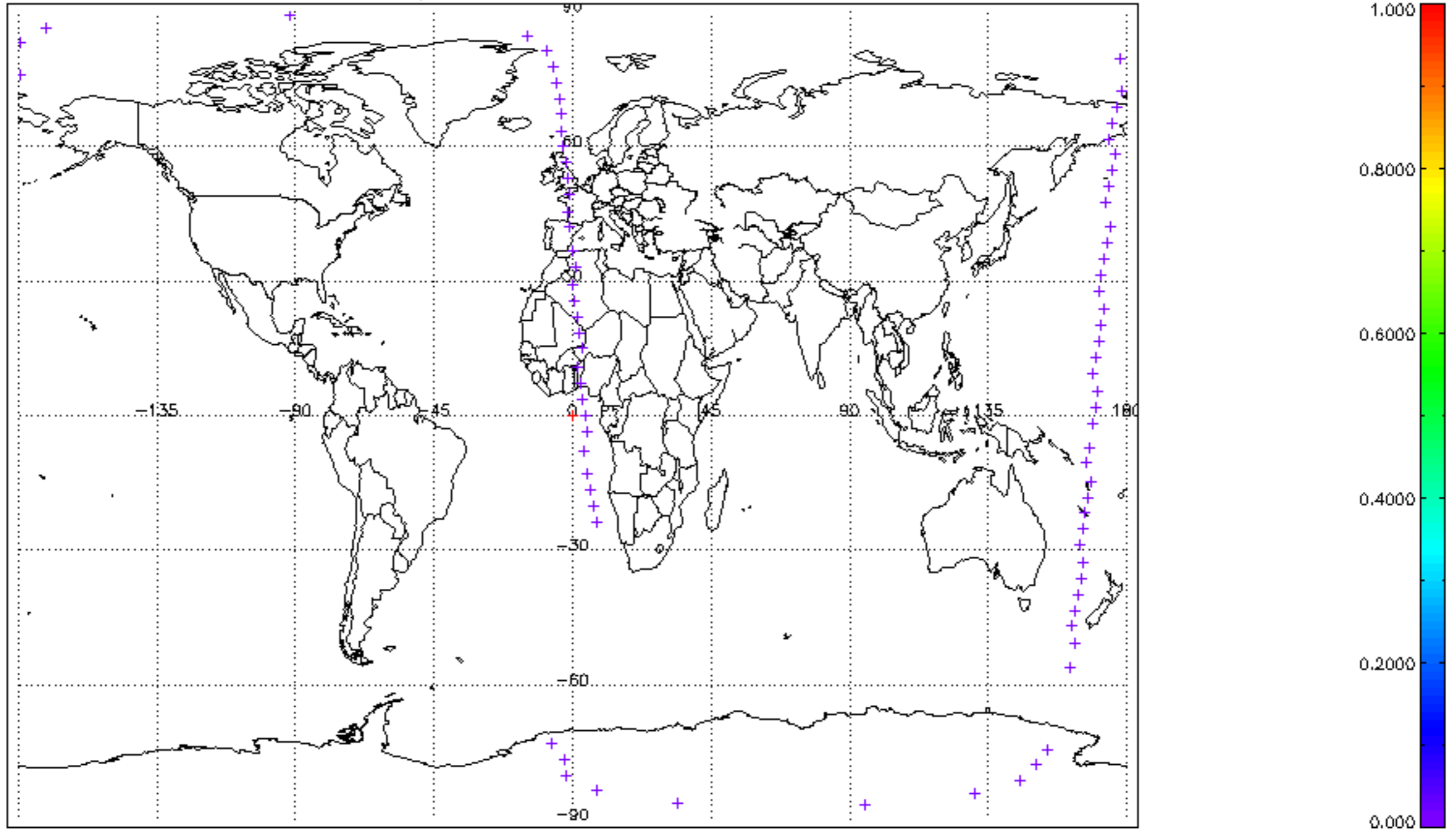


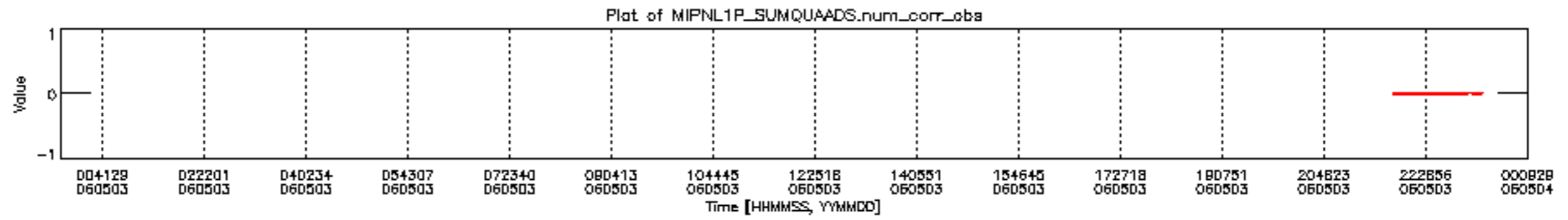
Geolocation plot of MIPNL1P_SUMQUAADS.num_corr_sweeps



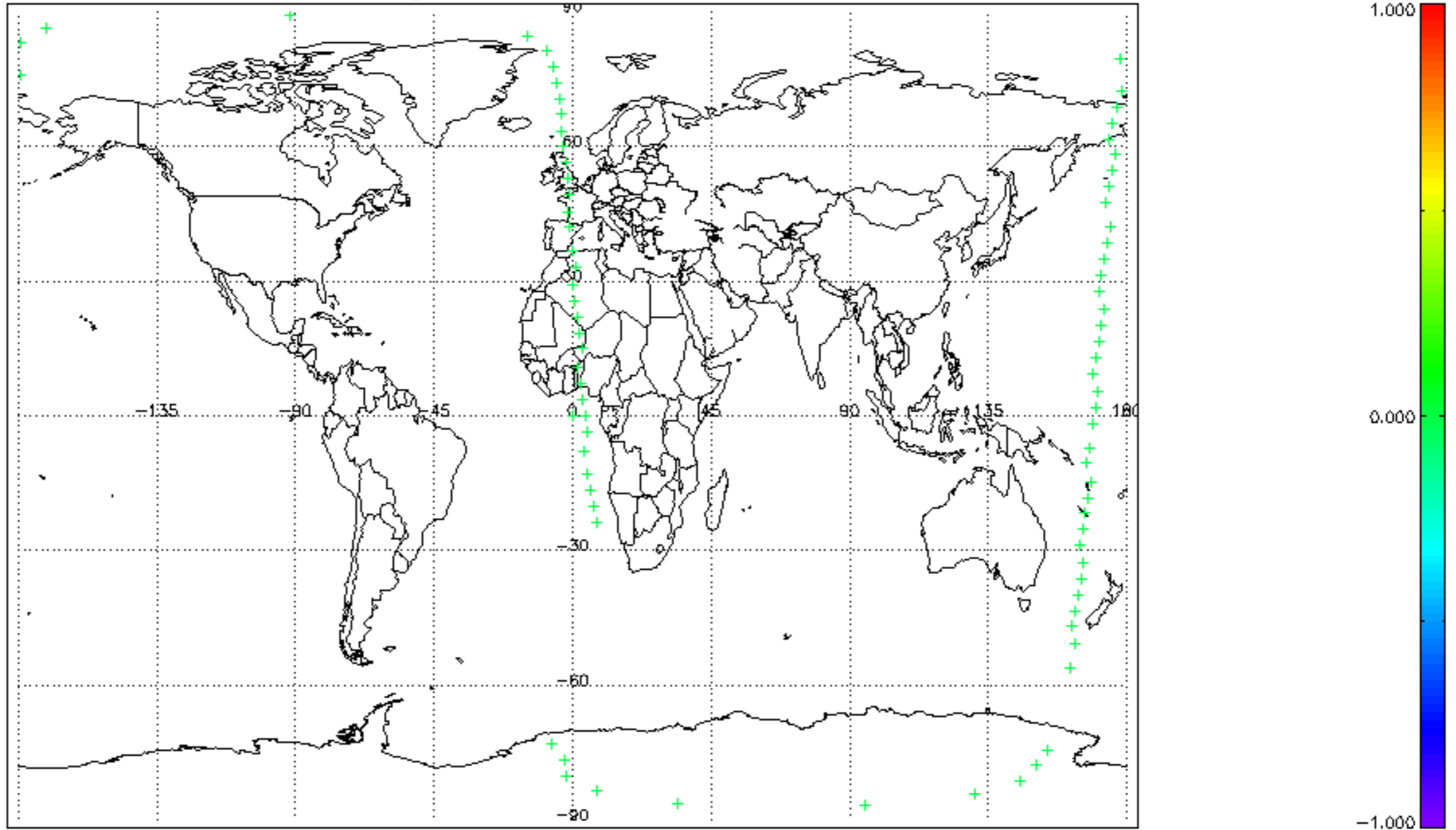


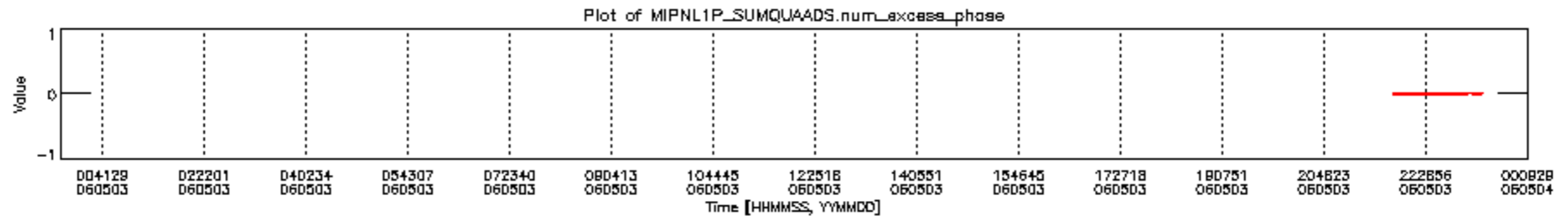
Geolocation plot of MIPNL1P_SUMQUAADS.num_corr_ins



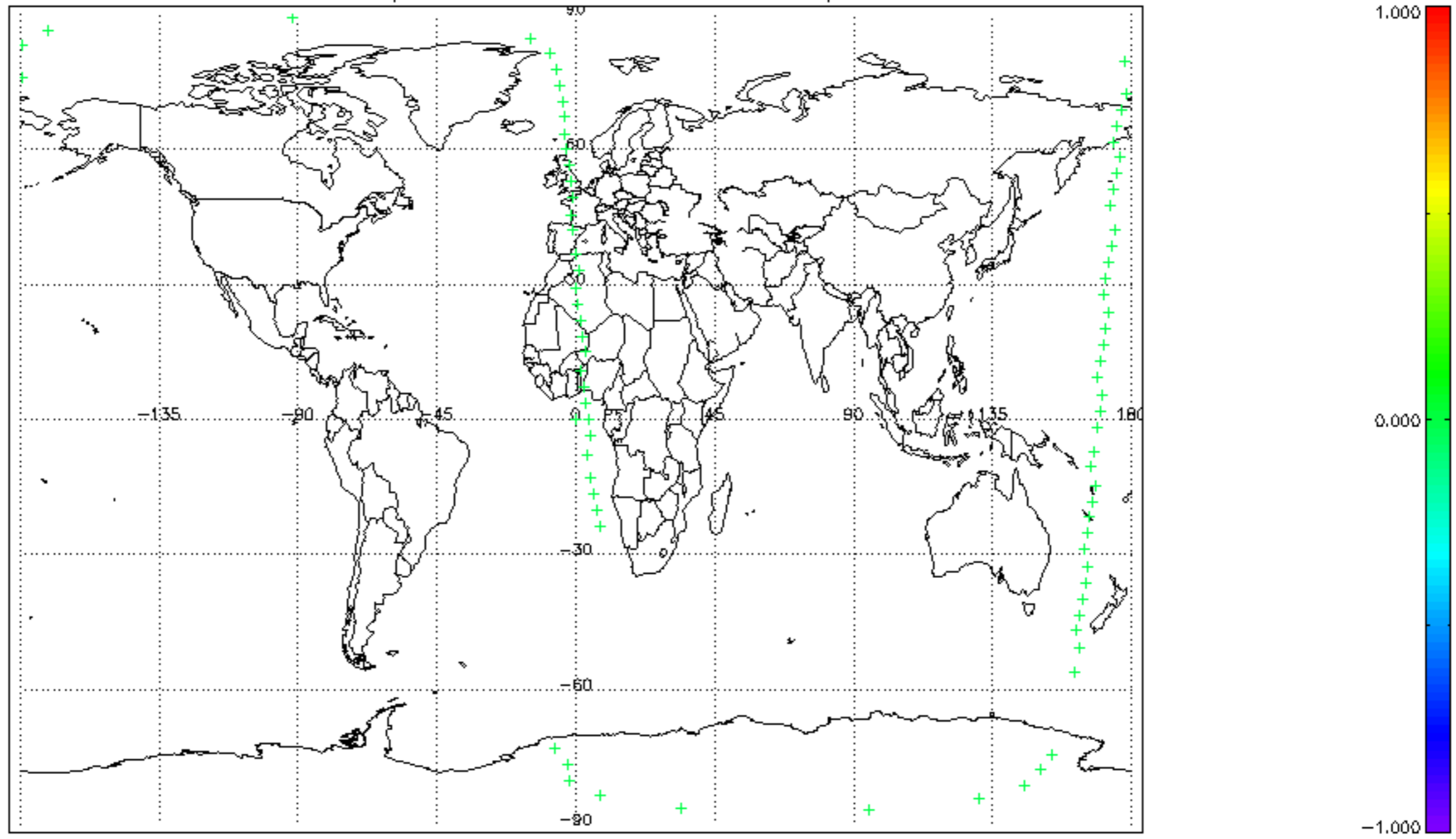


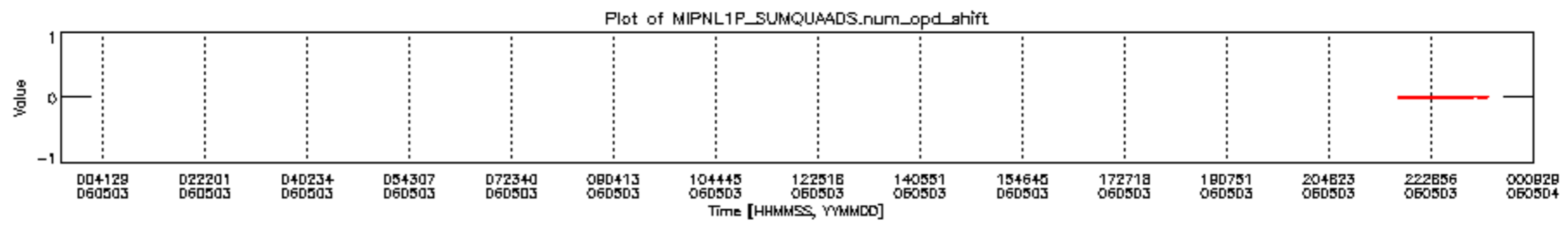
Geolocation plot of MIPNL1P_SUMQUAADS.num_corr_obs



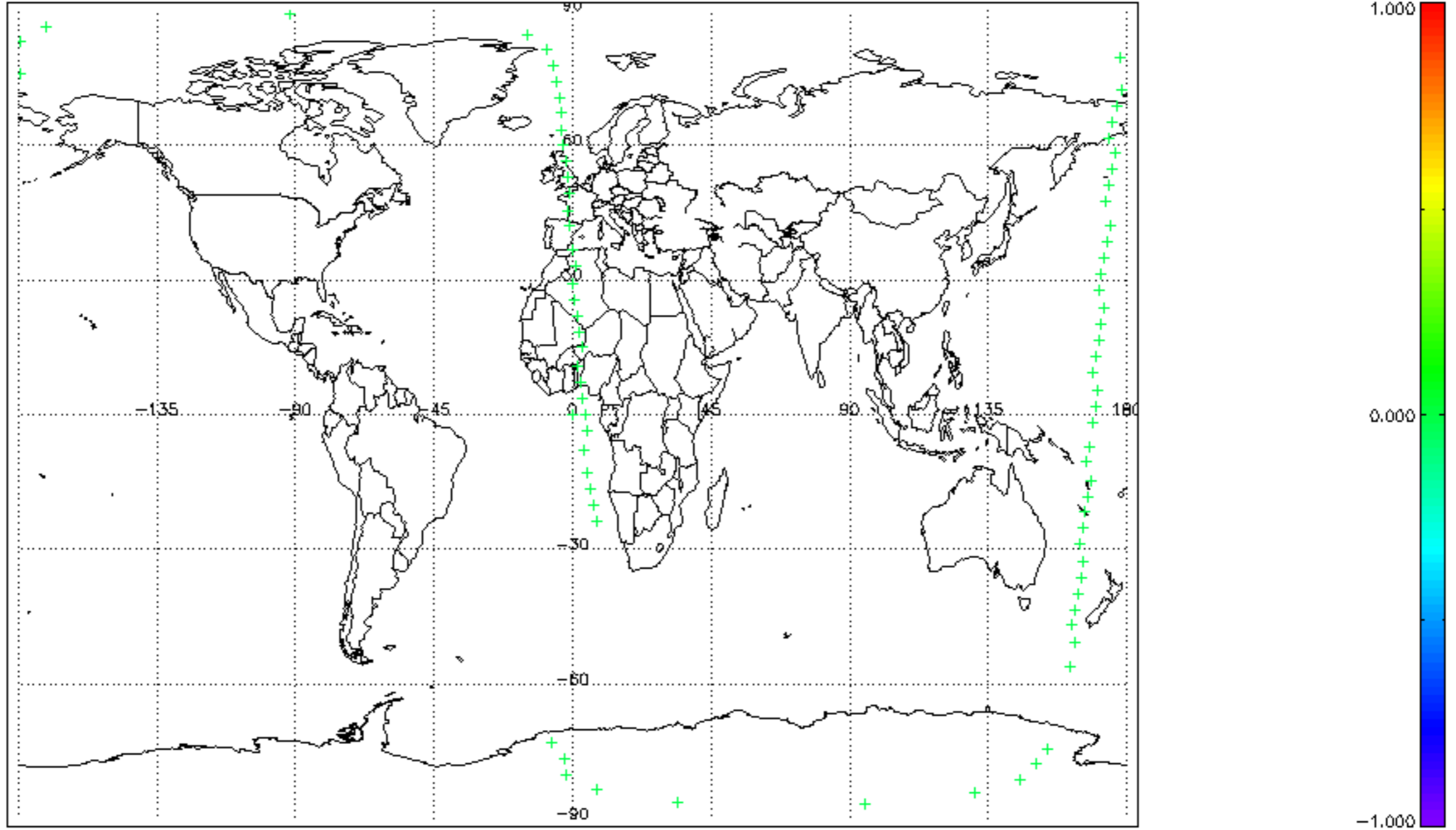


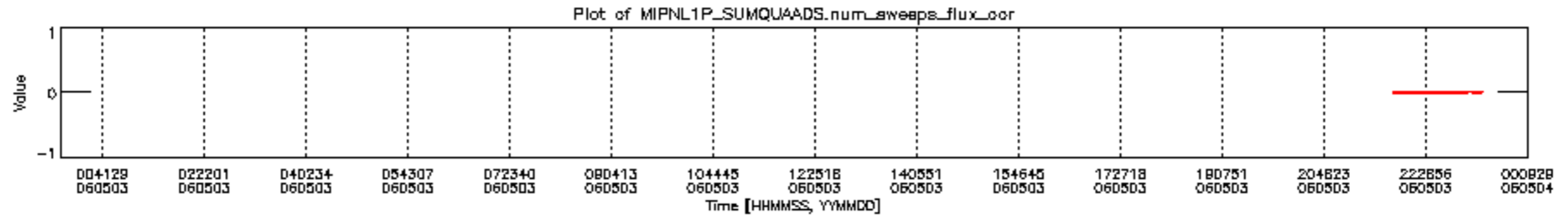
Geolocation plot of MIPNL1P_SUMQUAADS.num_excess_phase



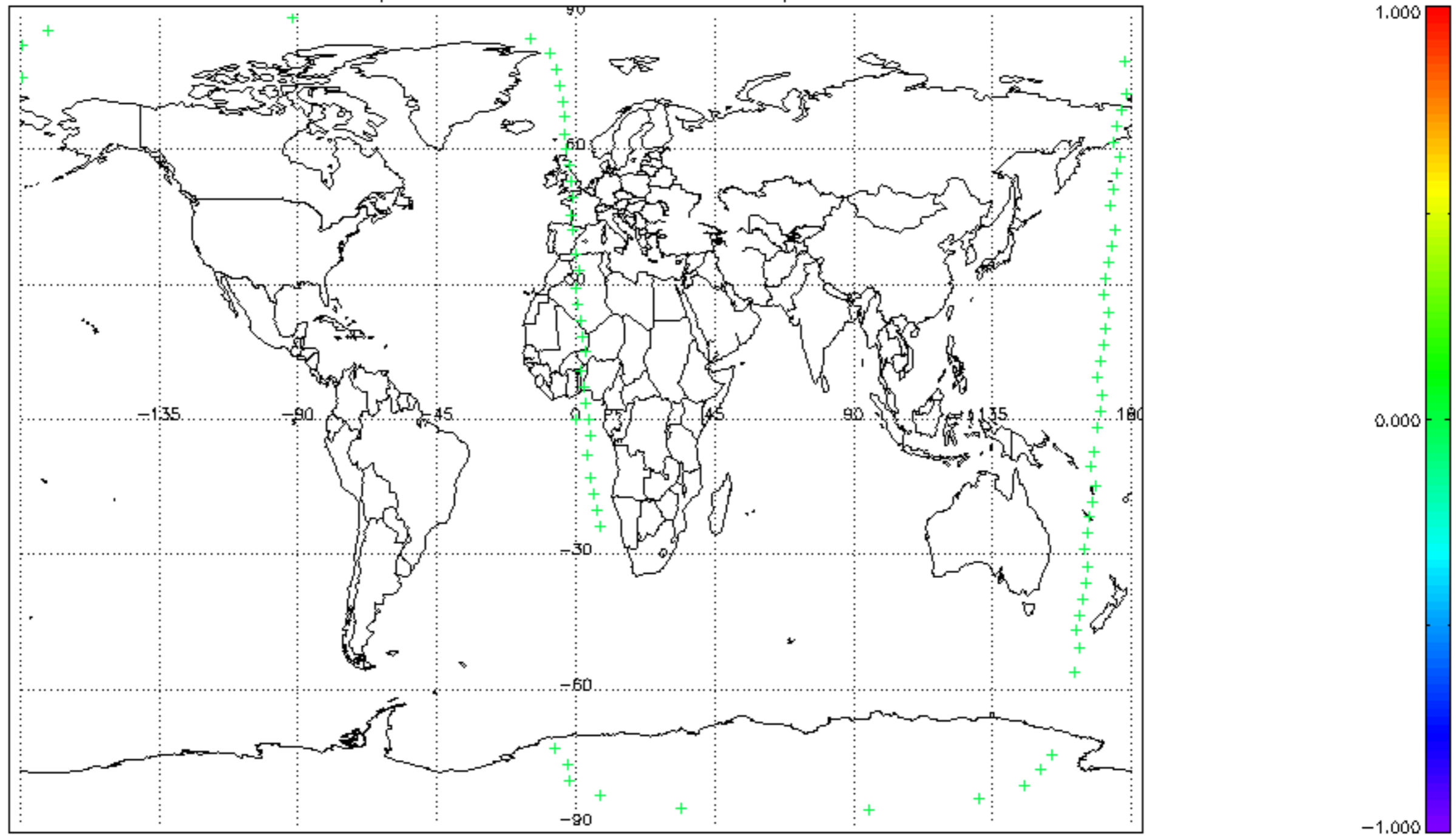


Geolocation plot of MIPNL1P_SUMQUAADS.num_opd_shift





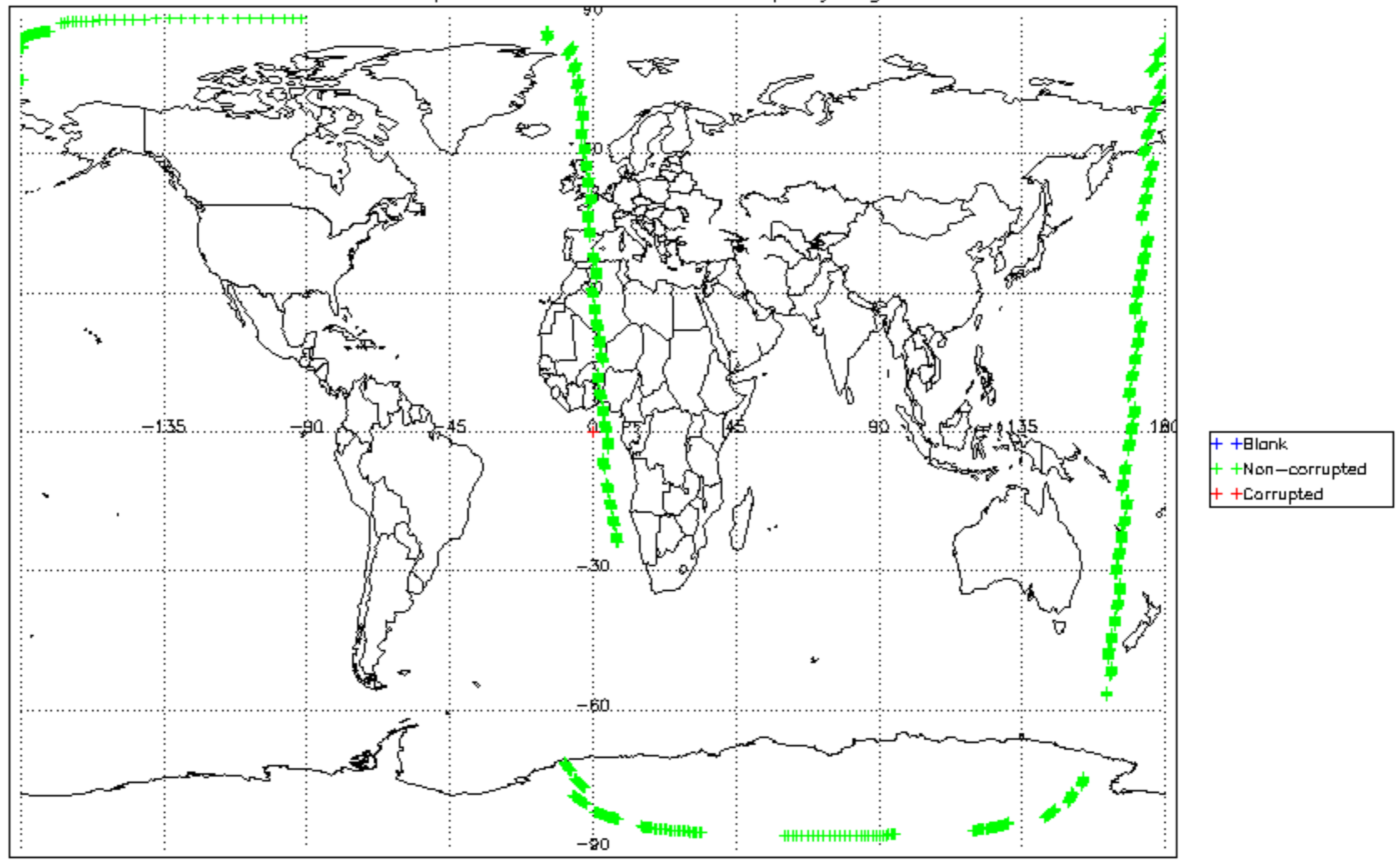
Geolocation plot of MIPNL1P_SUMQUAADS.num_sweeps_flux_oor

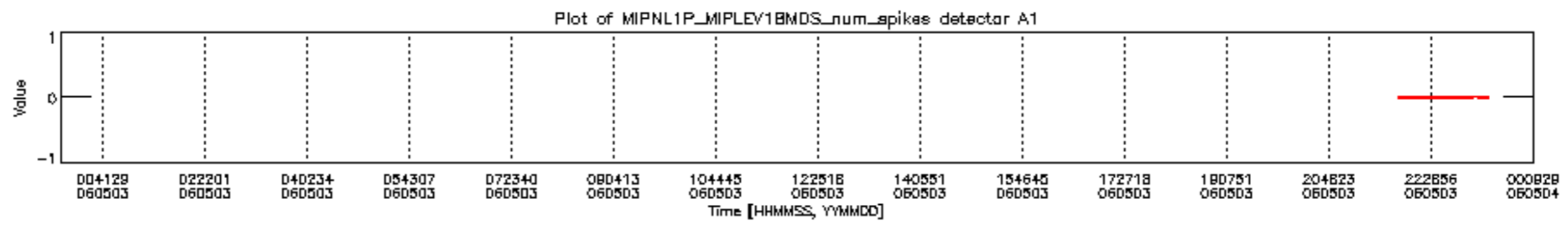


Bar plot of MIPNL1P_MIPLEV1BMDS_quality_flag

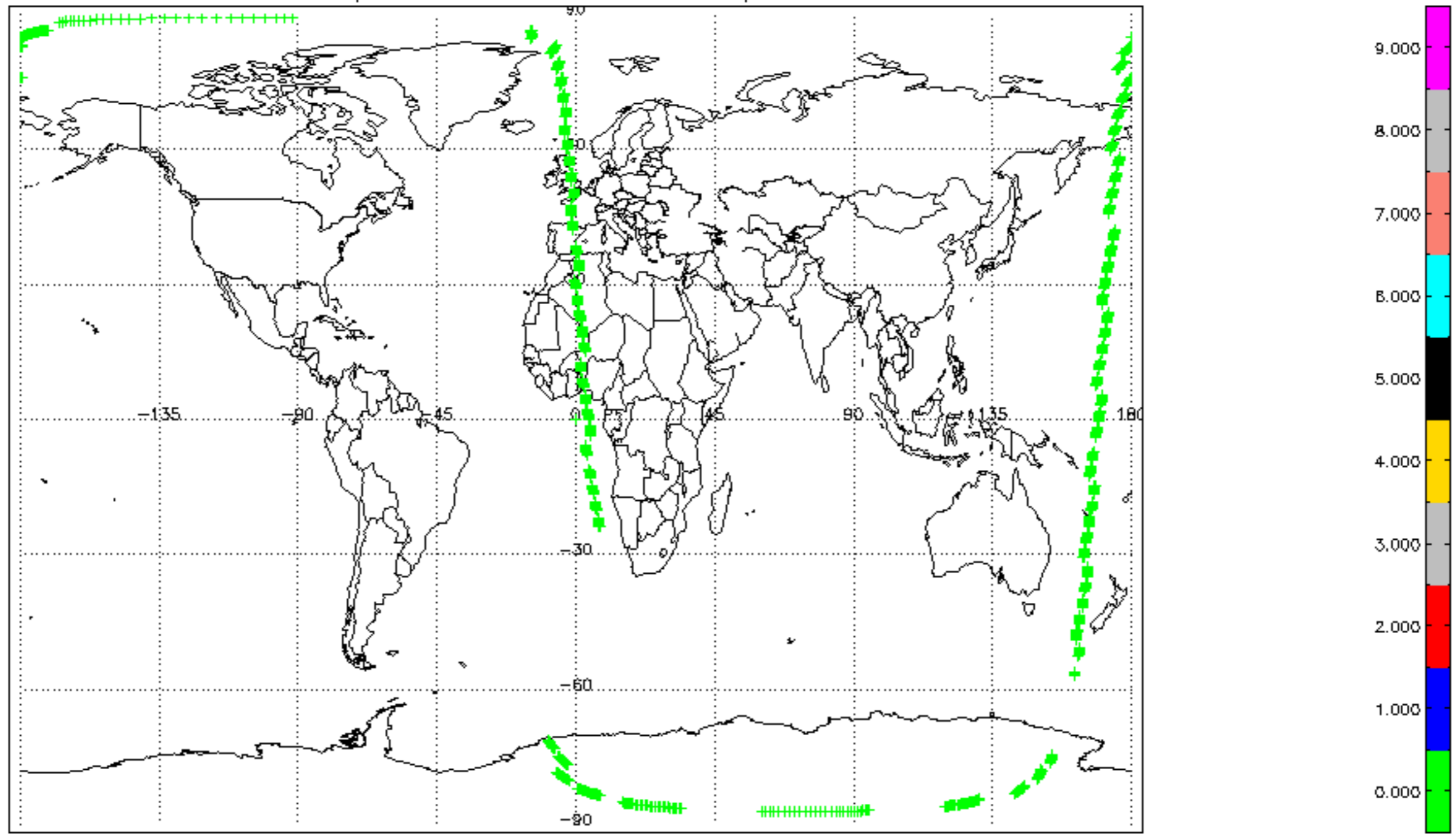


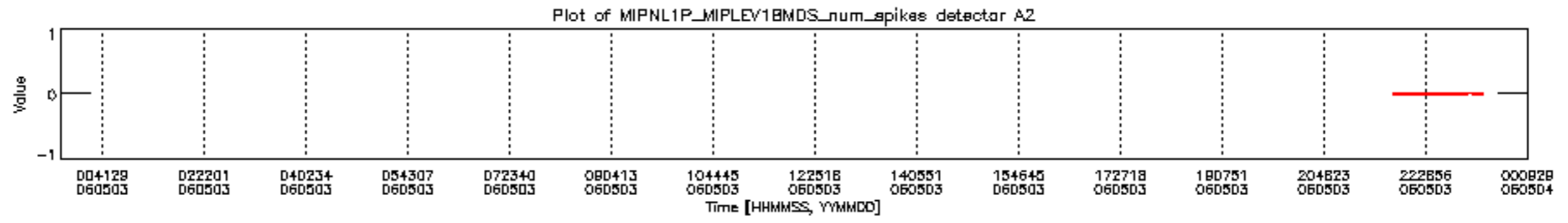
Geolocation plot of MIPNL1P_MIPLEV1BMDS_quality_flag



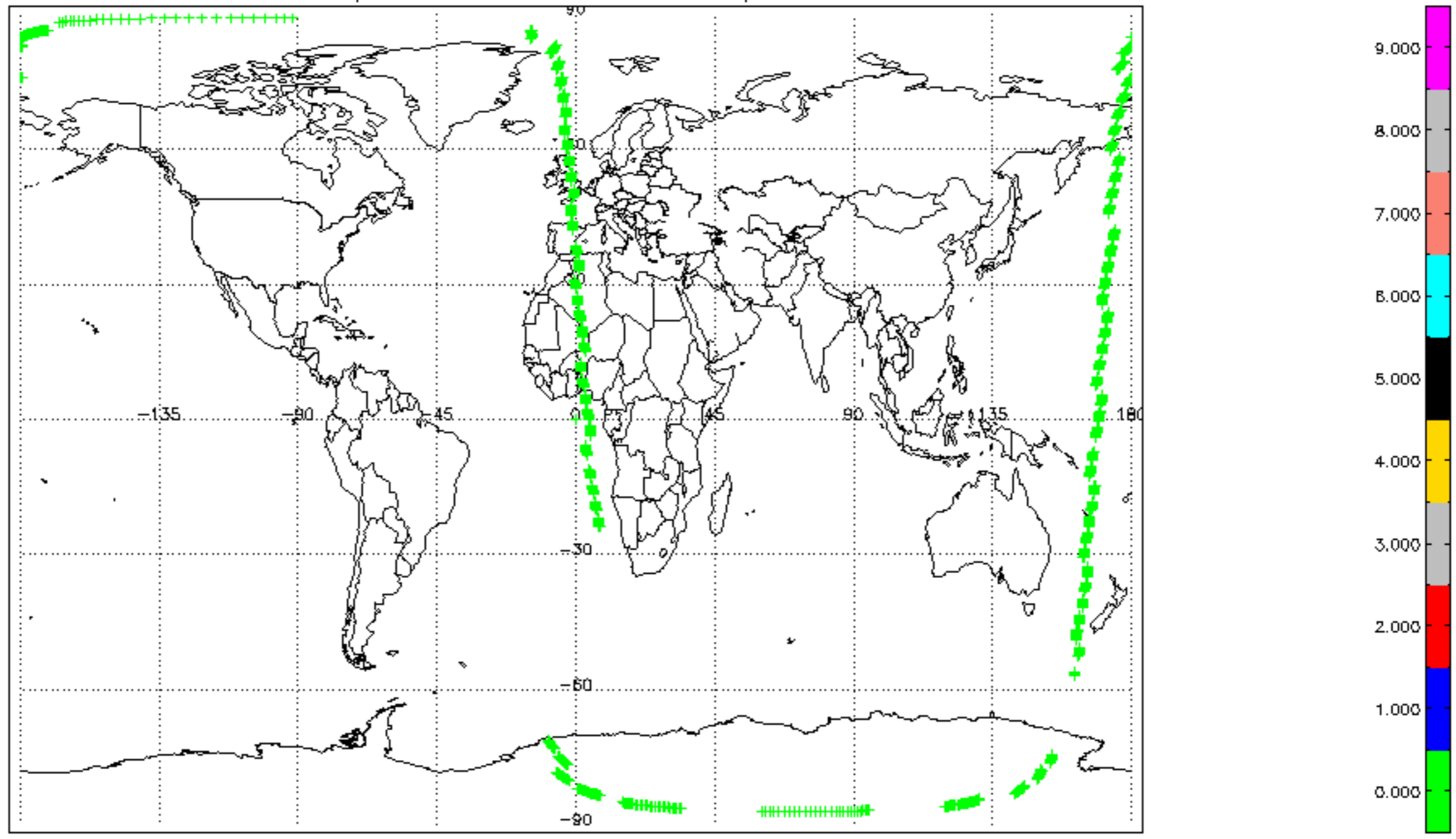


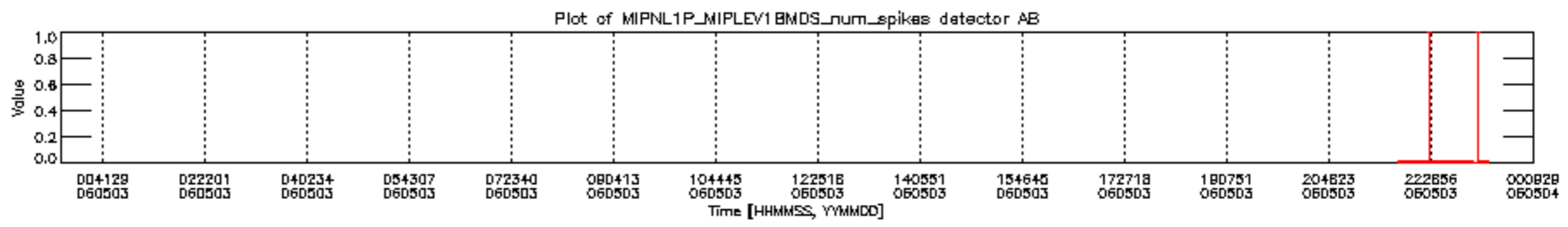
Geolocation plot of MIPNL1P_MIPLEV1BMDS_num_spikes detector A1



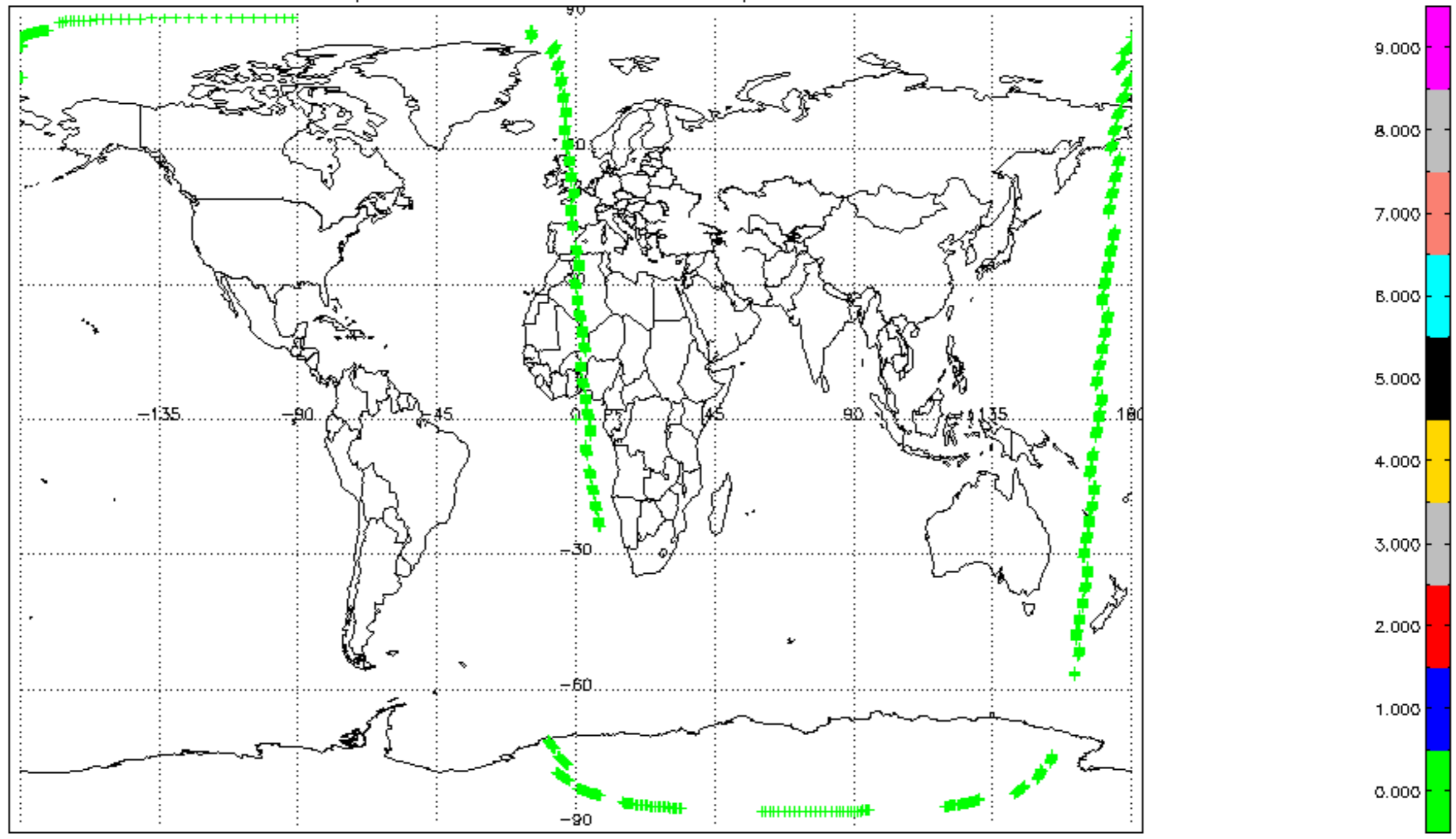


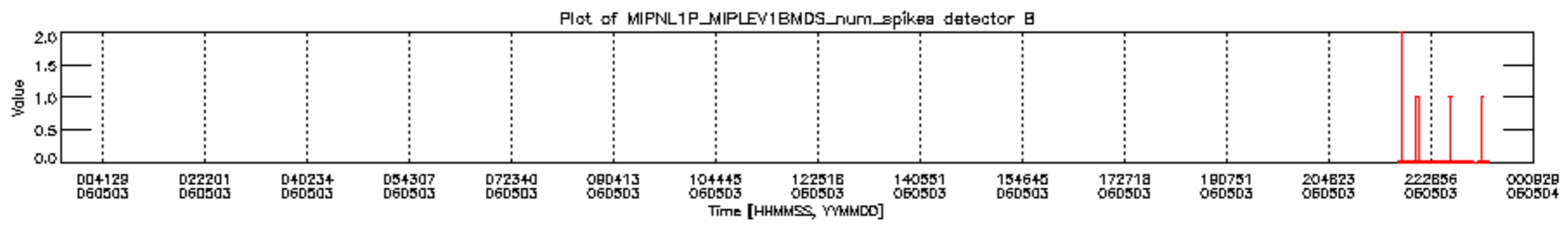
Geolocation plot of MIPNL1P_MIPLEV1BMDS_num_spikes detector A2



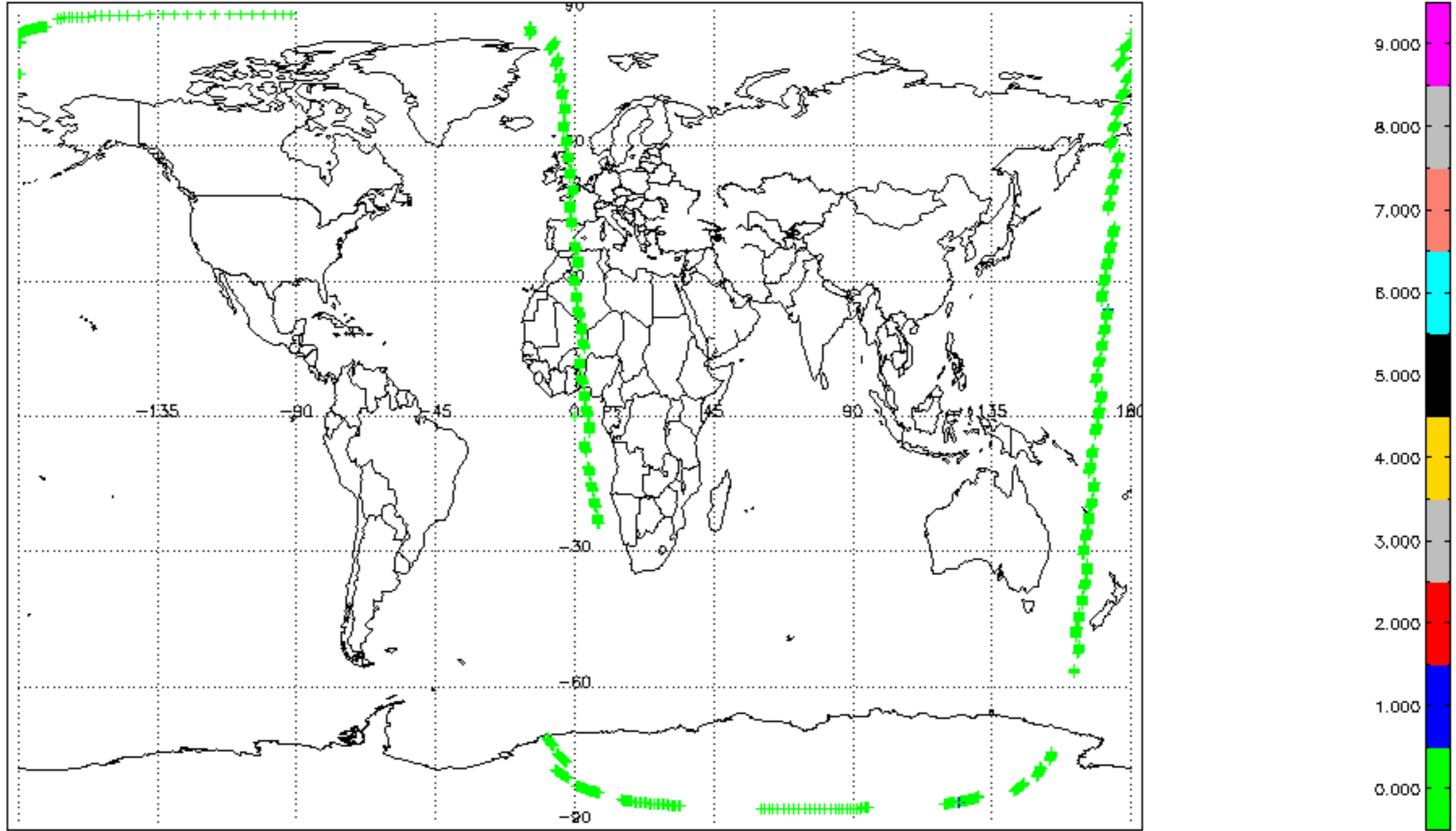


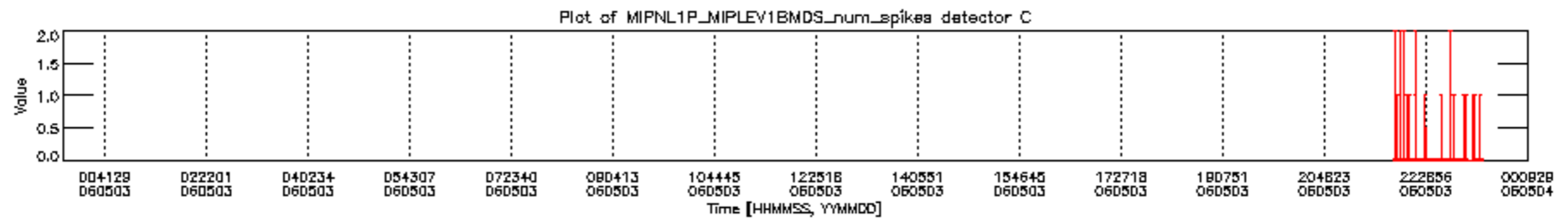
Geolocation plot of MIPNL1P_MIPLEV1BMDS_num_spikes detector AB



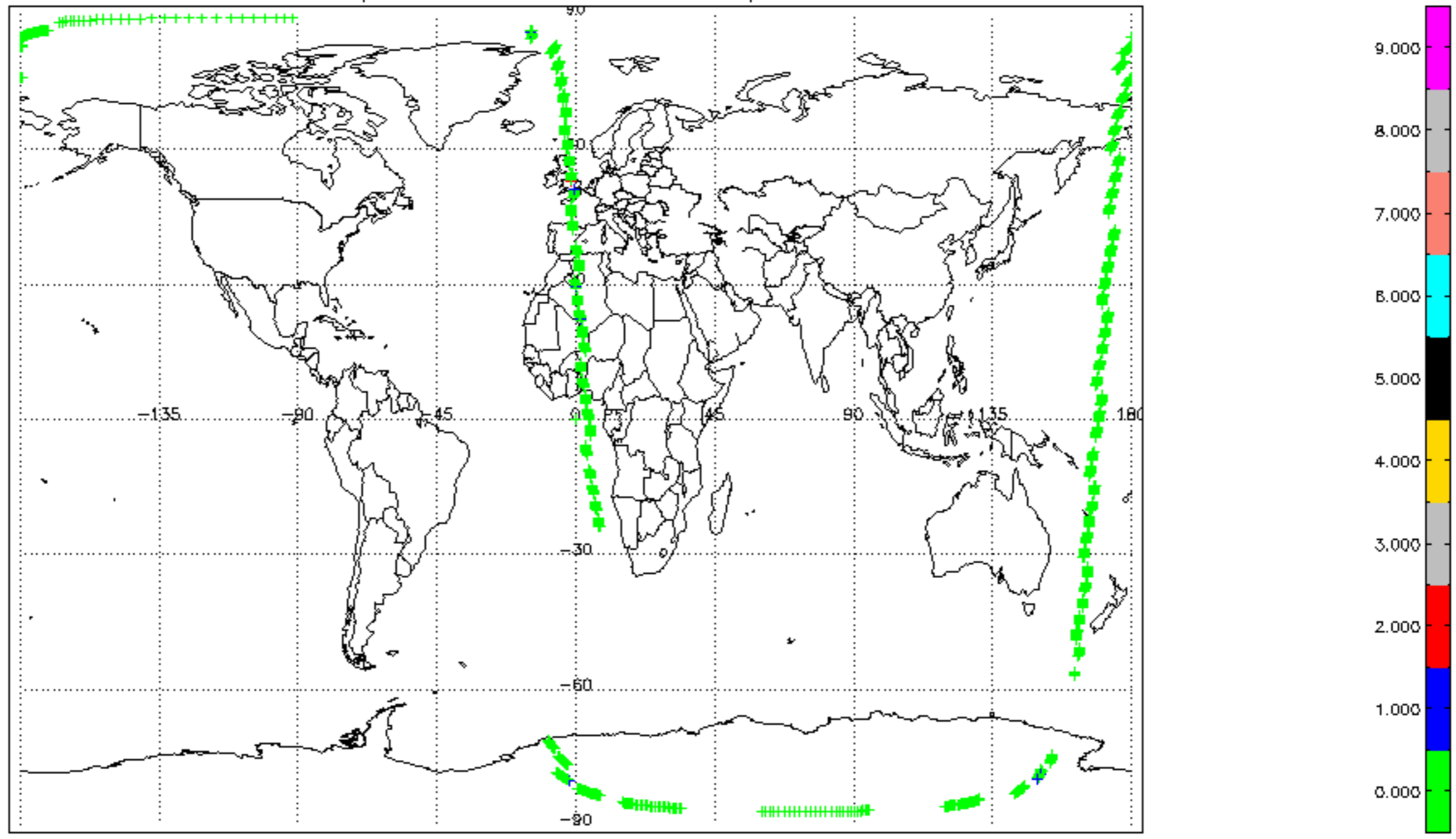


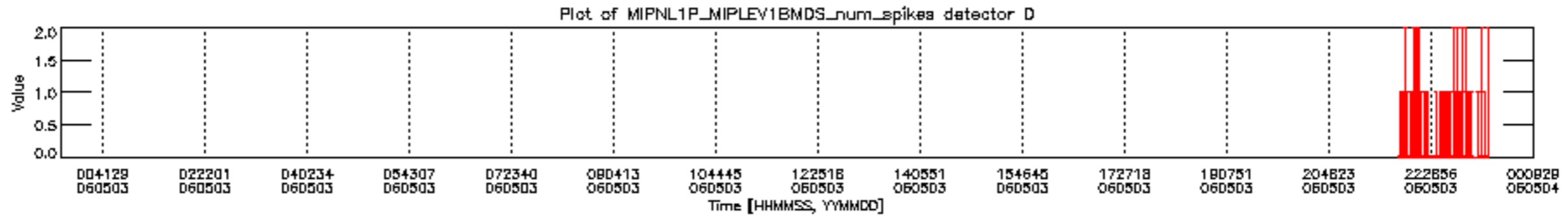
Geolocation plot of MIPNL1P_MIPLEV1BMDS_num_spikes detector B



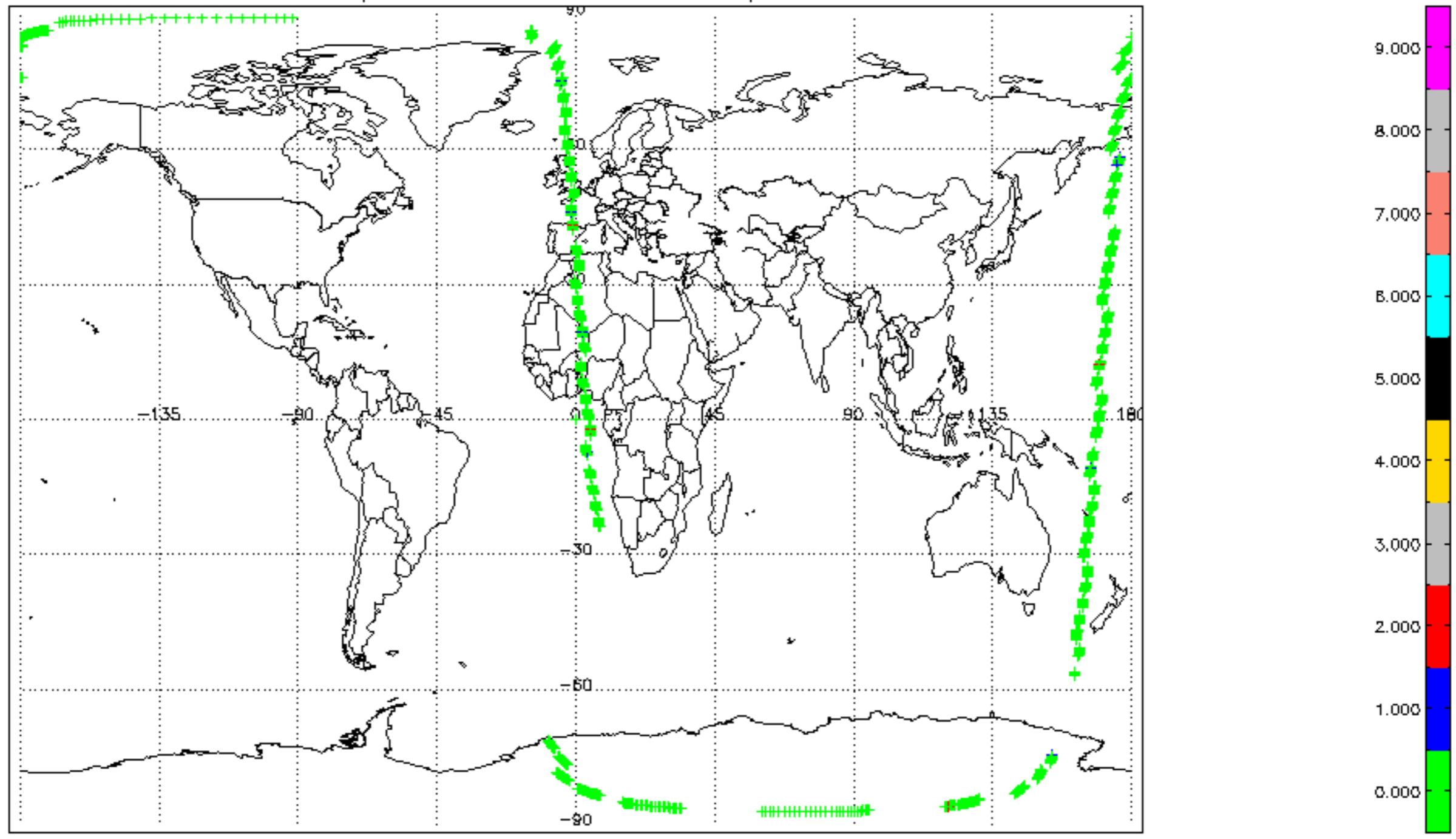


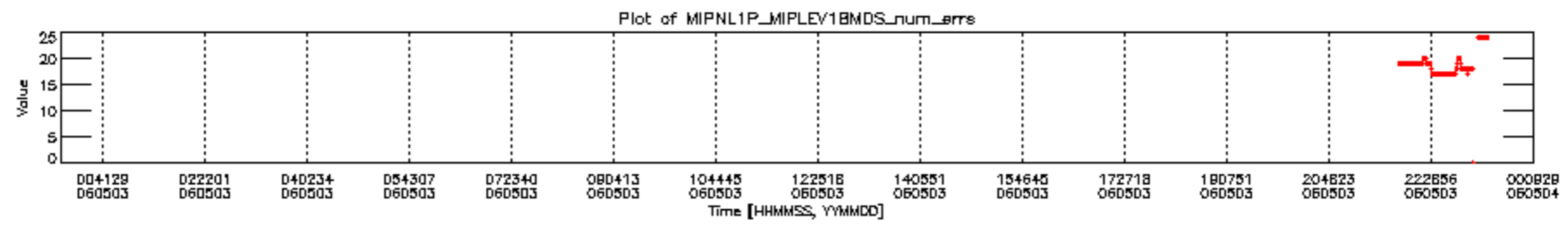
Geolocation plot of MIPNL1P_MIPLEV1BMDS_num_spikes detector C



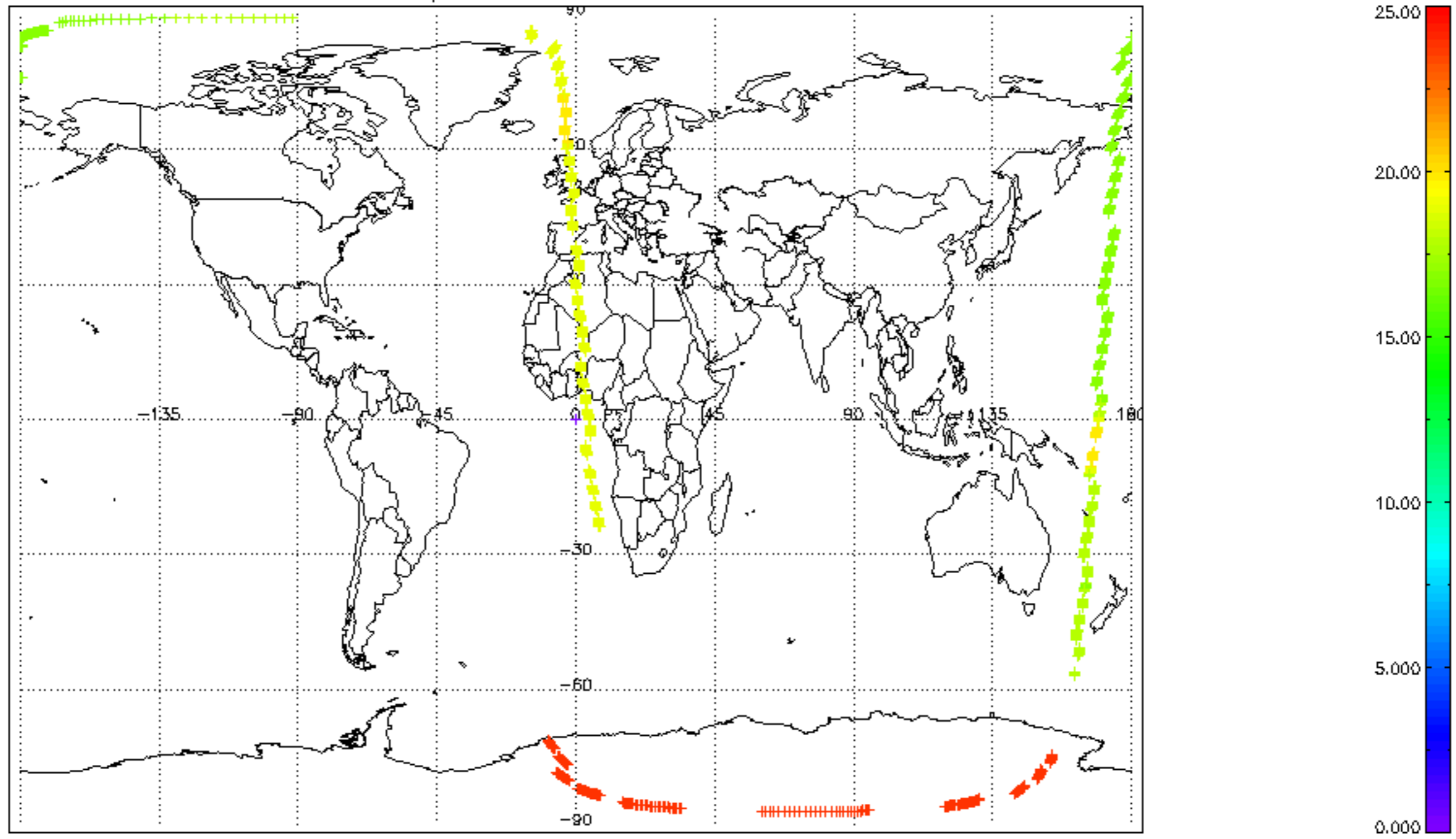


Geolocation plot of MIPNL1P_MIPLEV1BMDS_num_spikes detector D

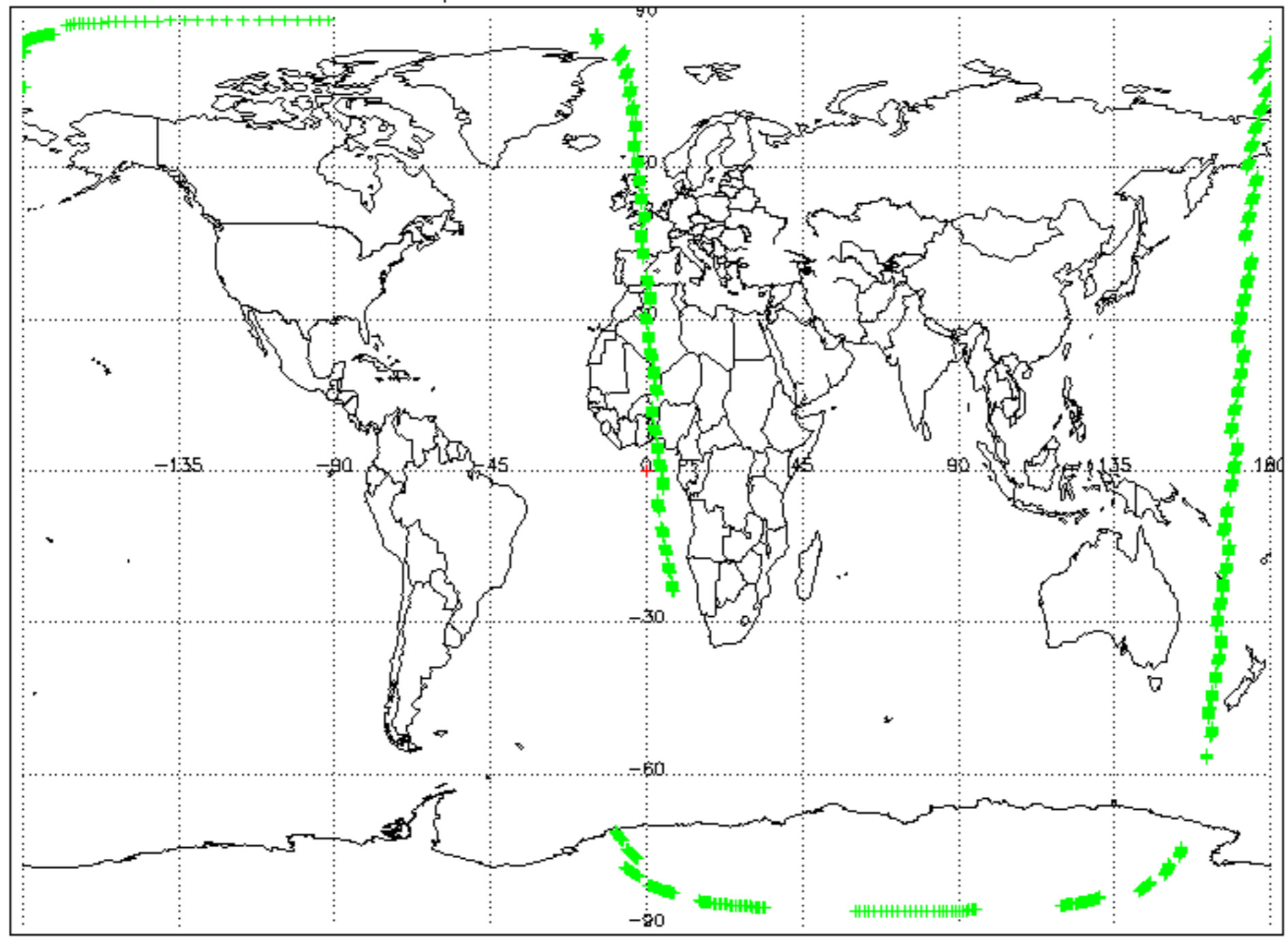




Geolocation plot of MIPNL1P_MIPLEV1BMDS_num_errs

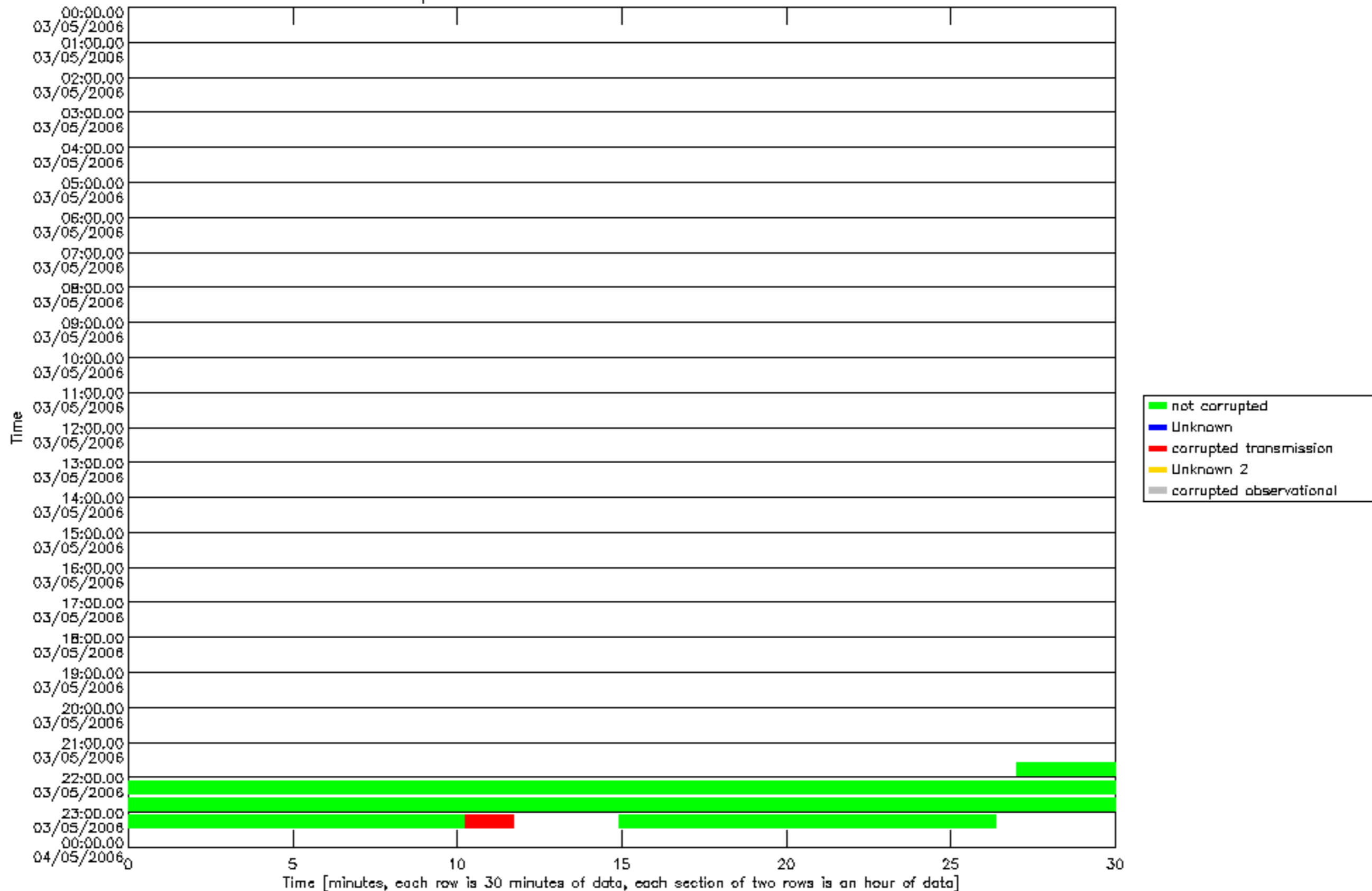


Geolocation plot of MIPNL1P_MIPLEV1BMDS_band_val band A

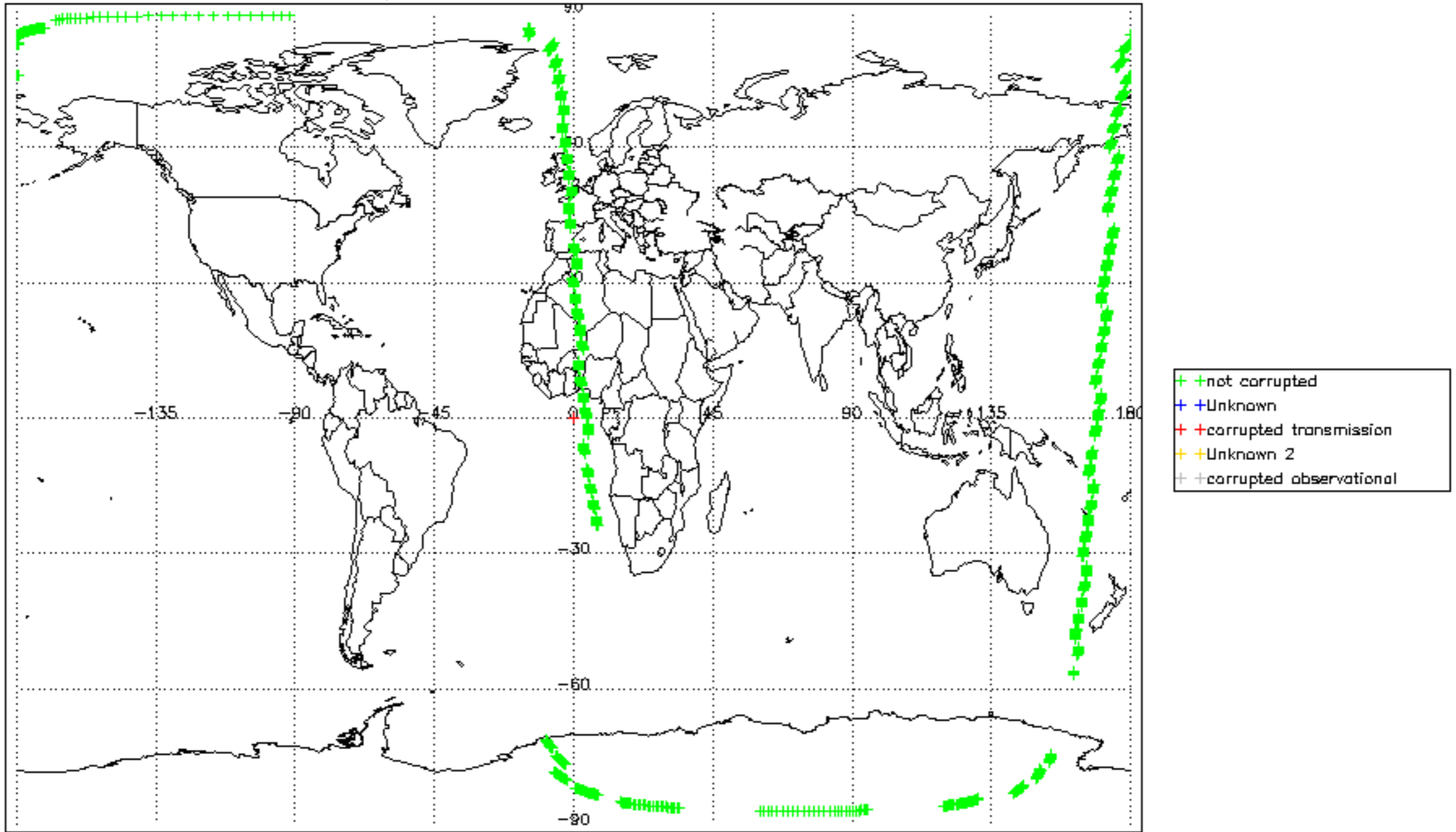


- + not corrupted
- + Unknown
- + corrupted transmission
- + Unknown 2
- + corrupted observational

Bar plot of MIPNL1P_MIPLEV1BMDS_band_val band AB



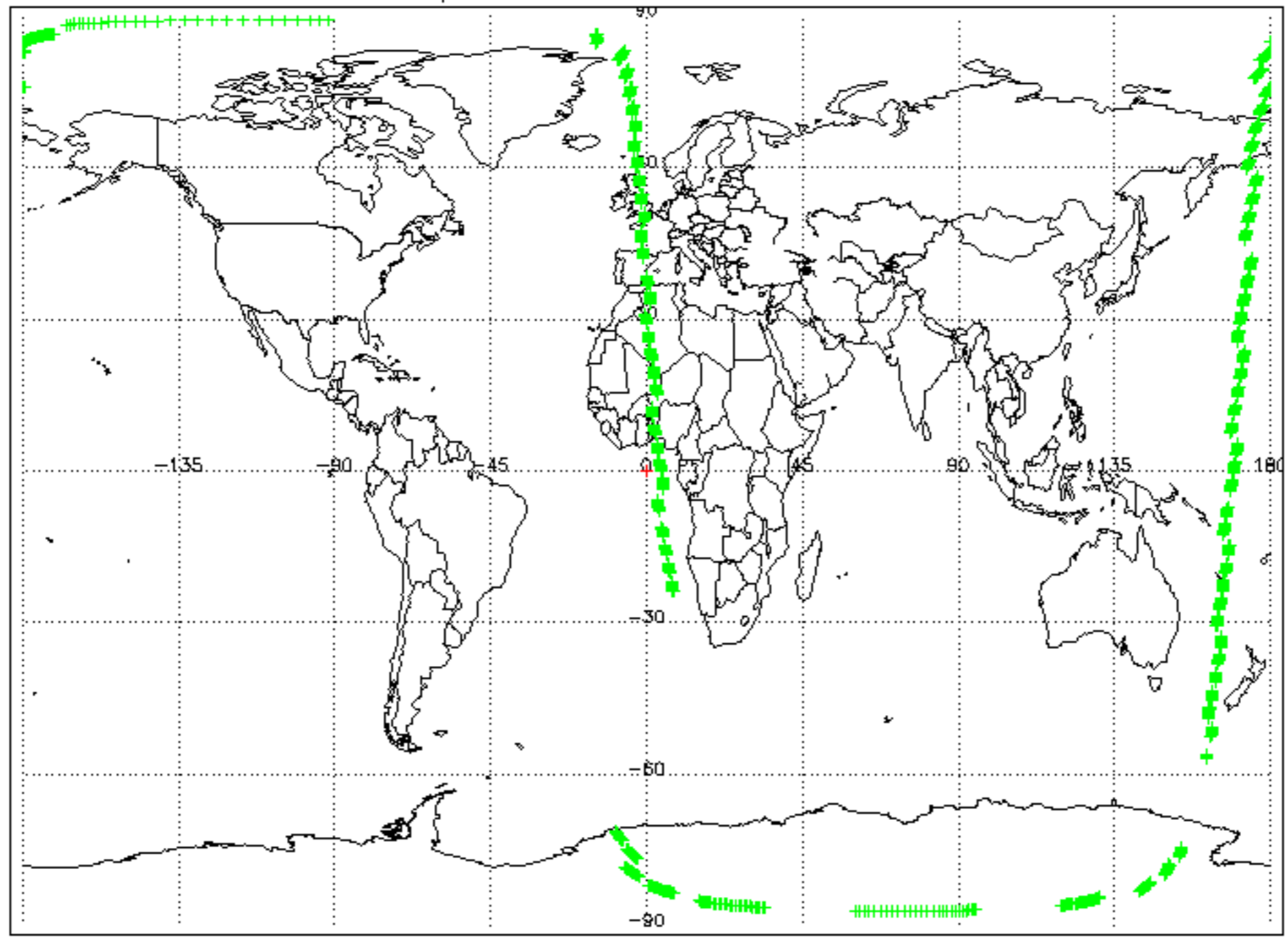
Geolocation plot of MIPNL1P_MIPLEV1BMDS_band_val band AB



Bar plot of MIPNL1P_MIPLEV1BMDS_band_val band B

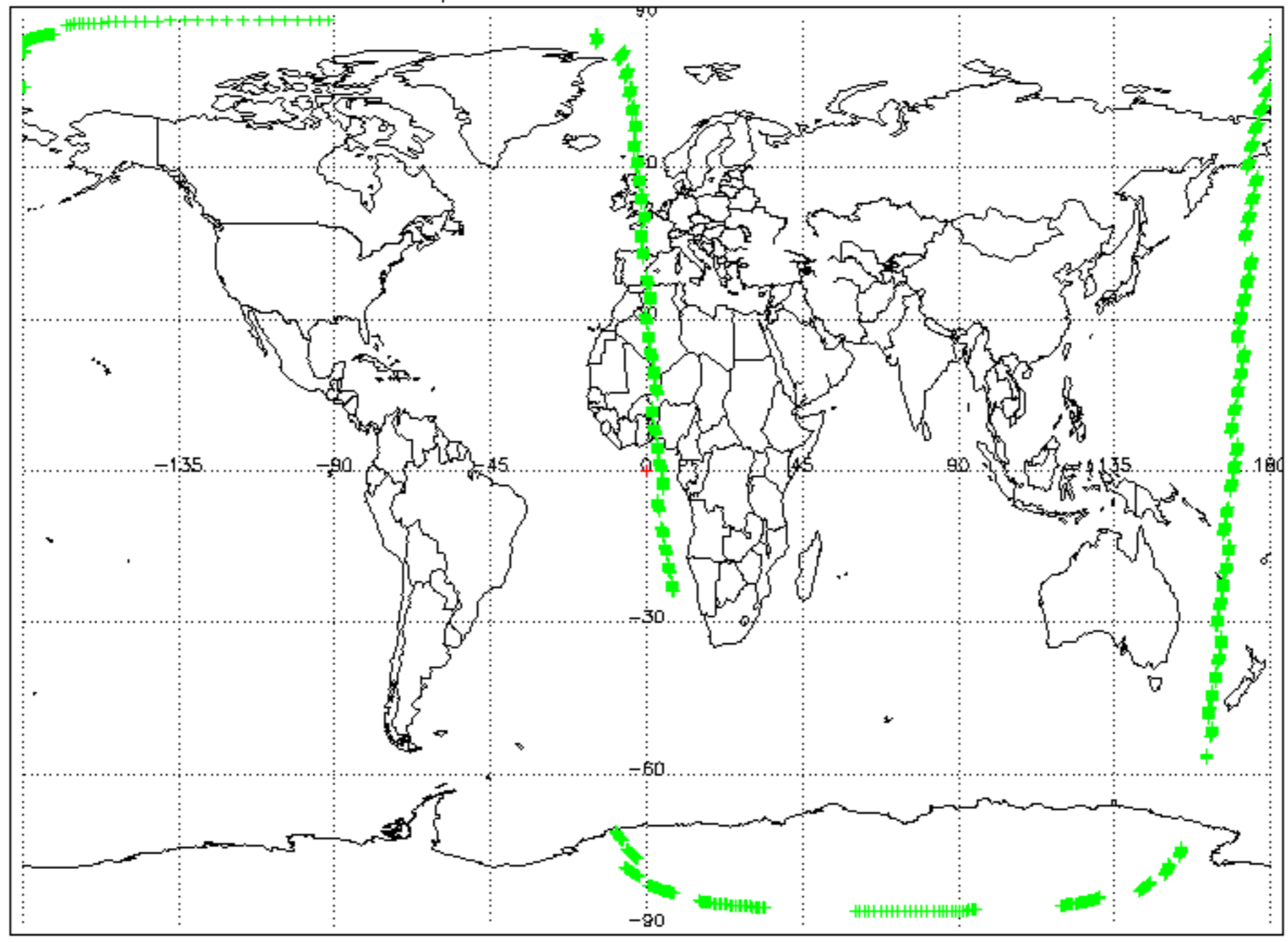


Geolocation plot of MIPNL1P_MIPLEV1BMDS_band_val band B



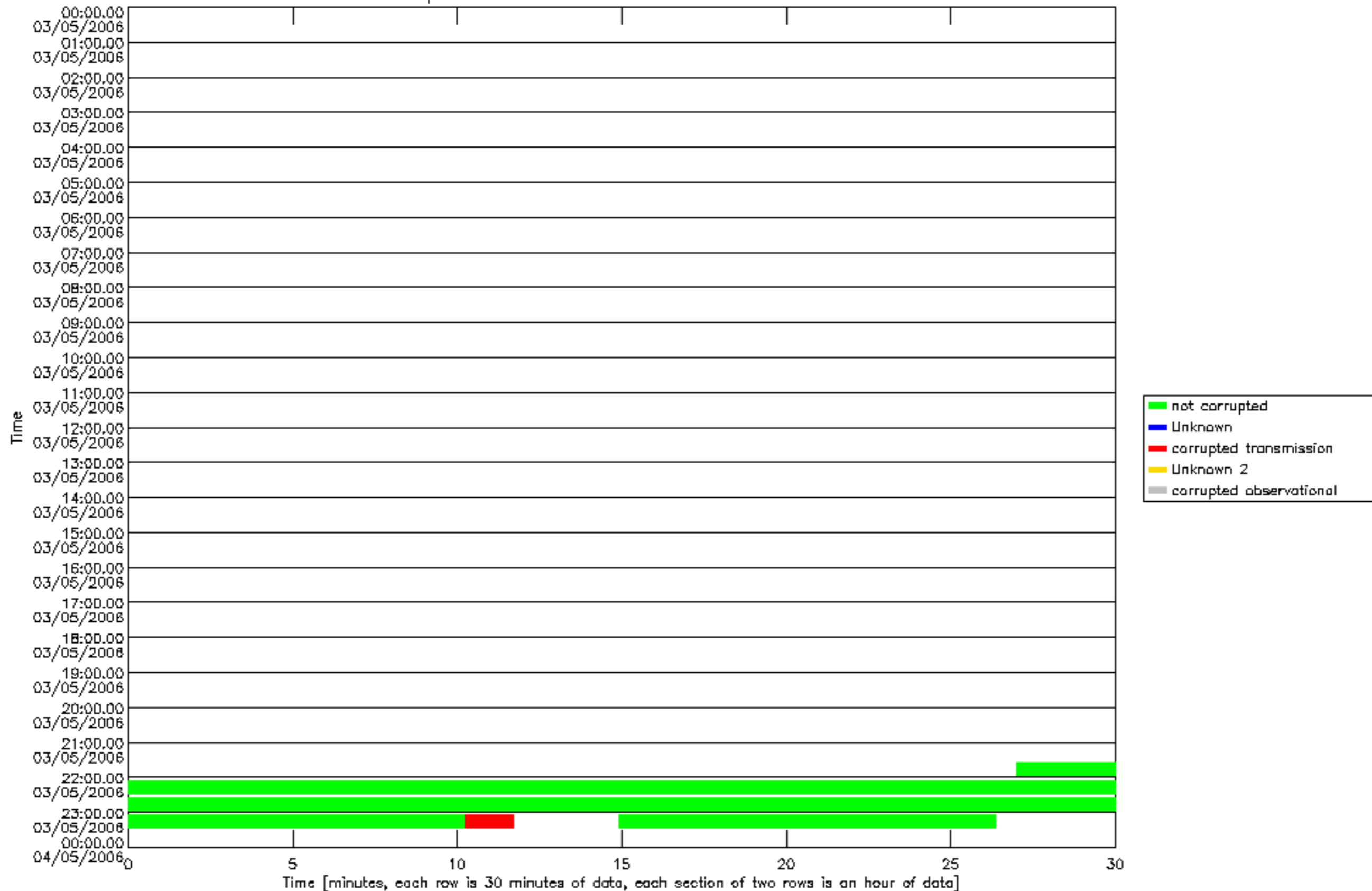
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Geolocation plot of MIPNL1P_MIPLEV1BMDS_band_val band C

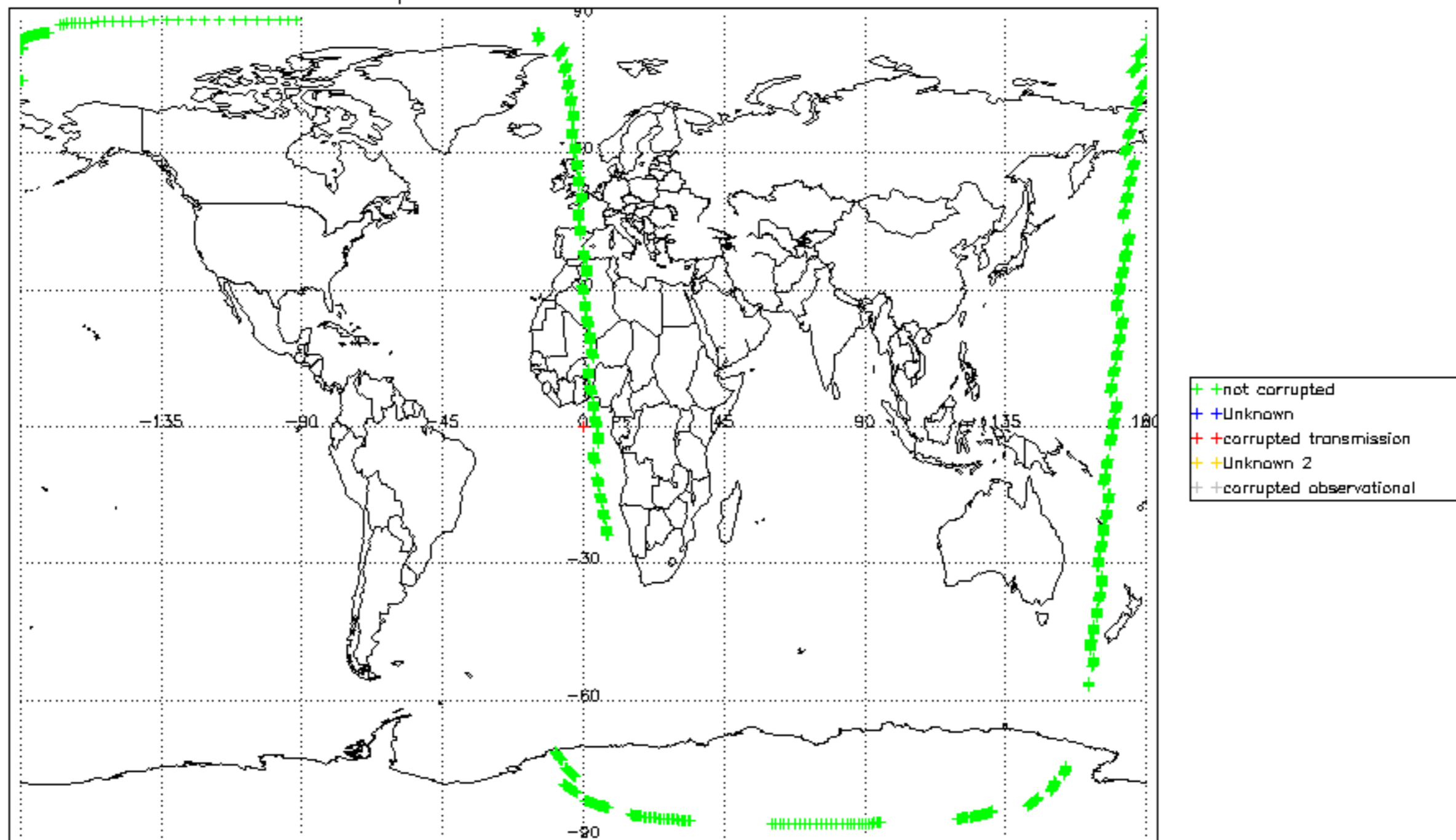


- + not corrupted
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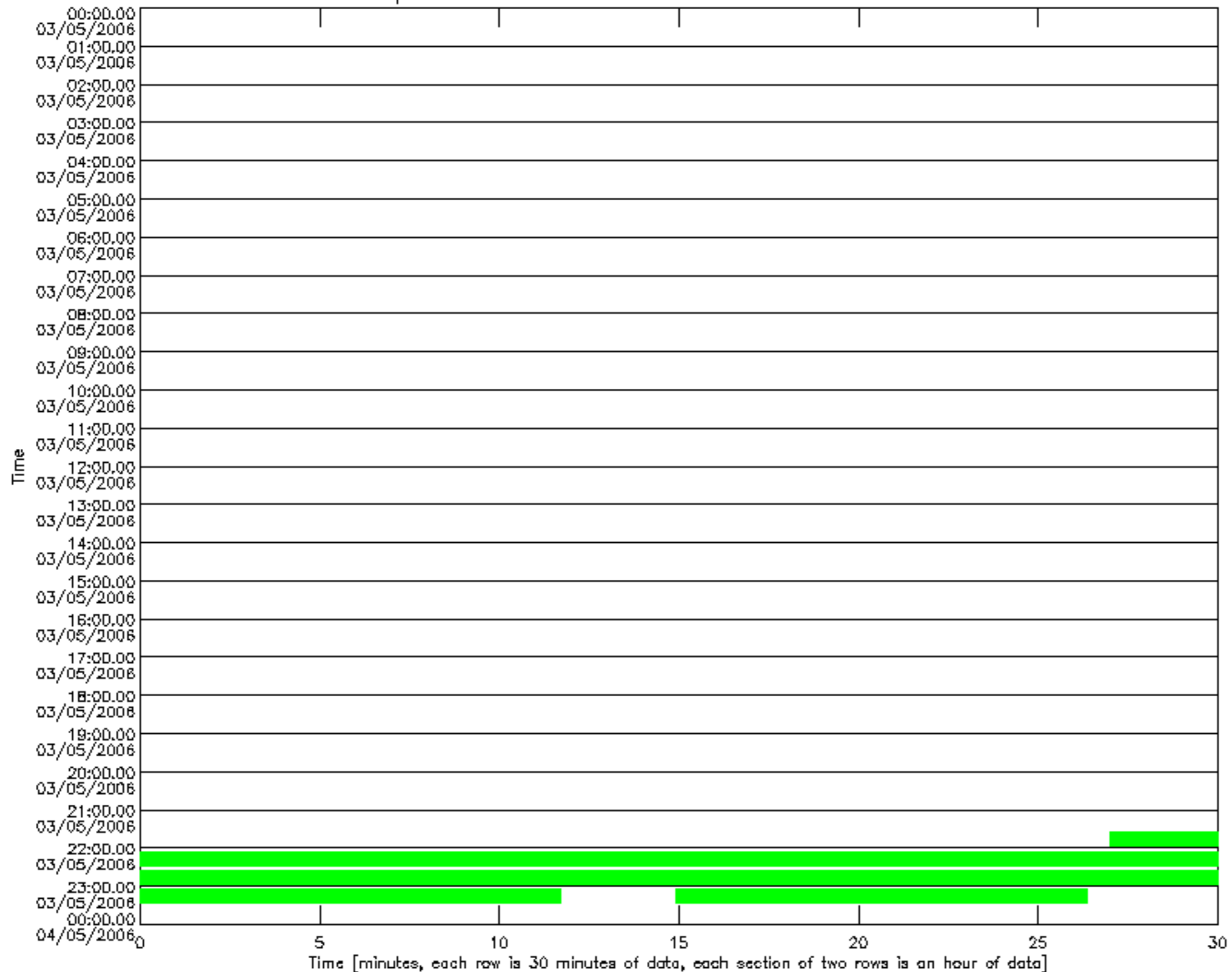
Bar plot of MIPNL1P_MIPLEV1BMDS_band_val band D



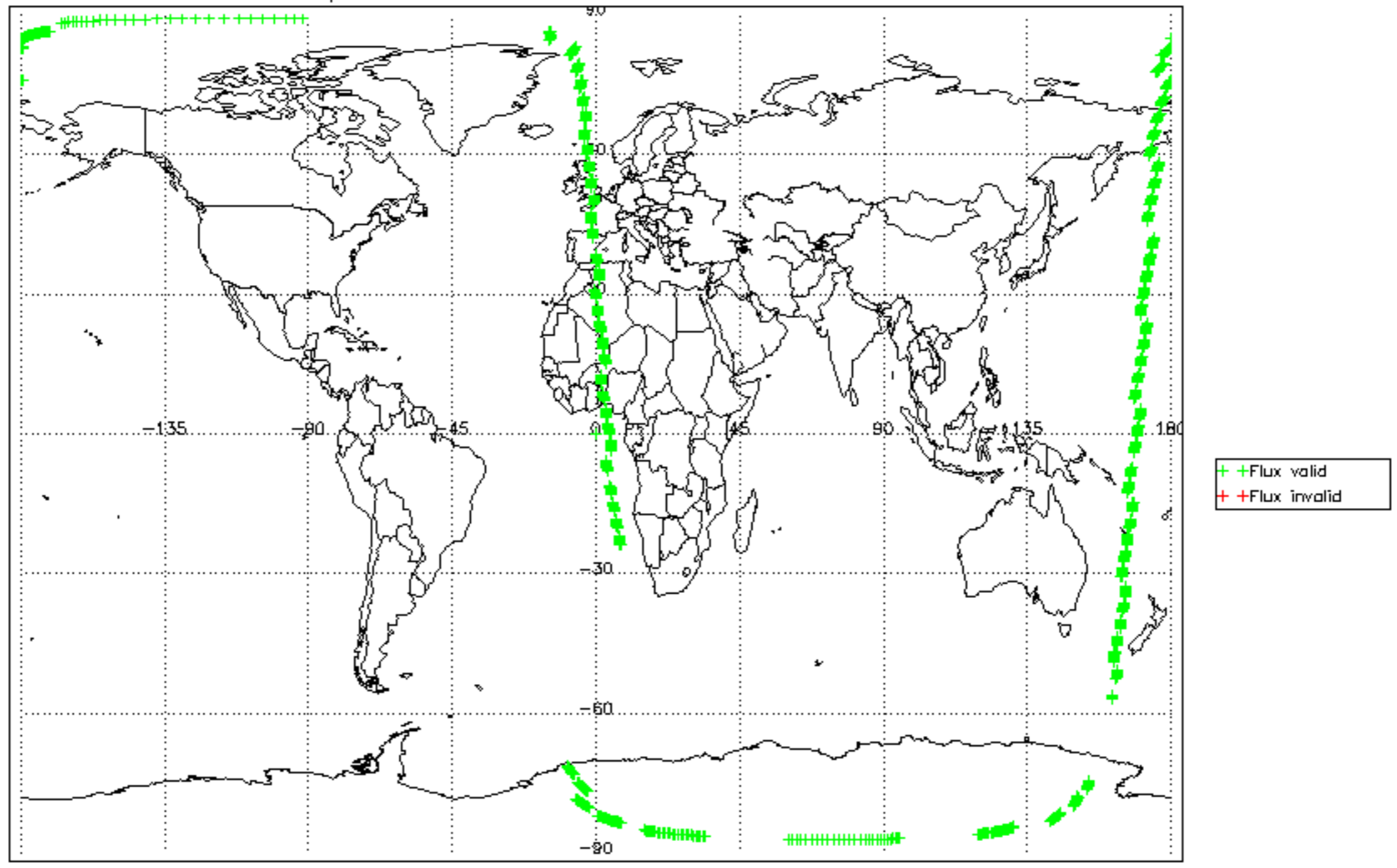
Geolocation plot of MIPNL1P_MIPLEV1BMDS_band_val band D



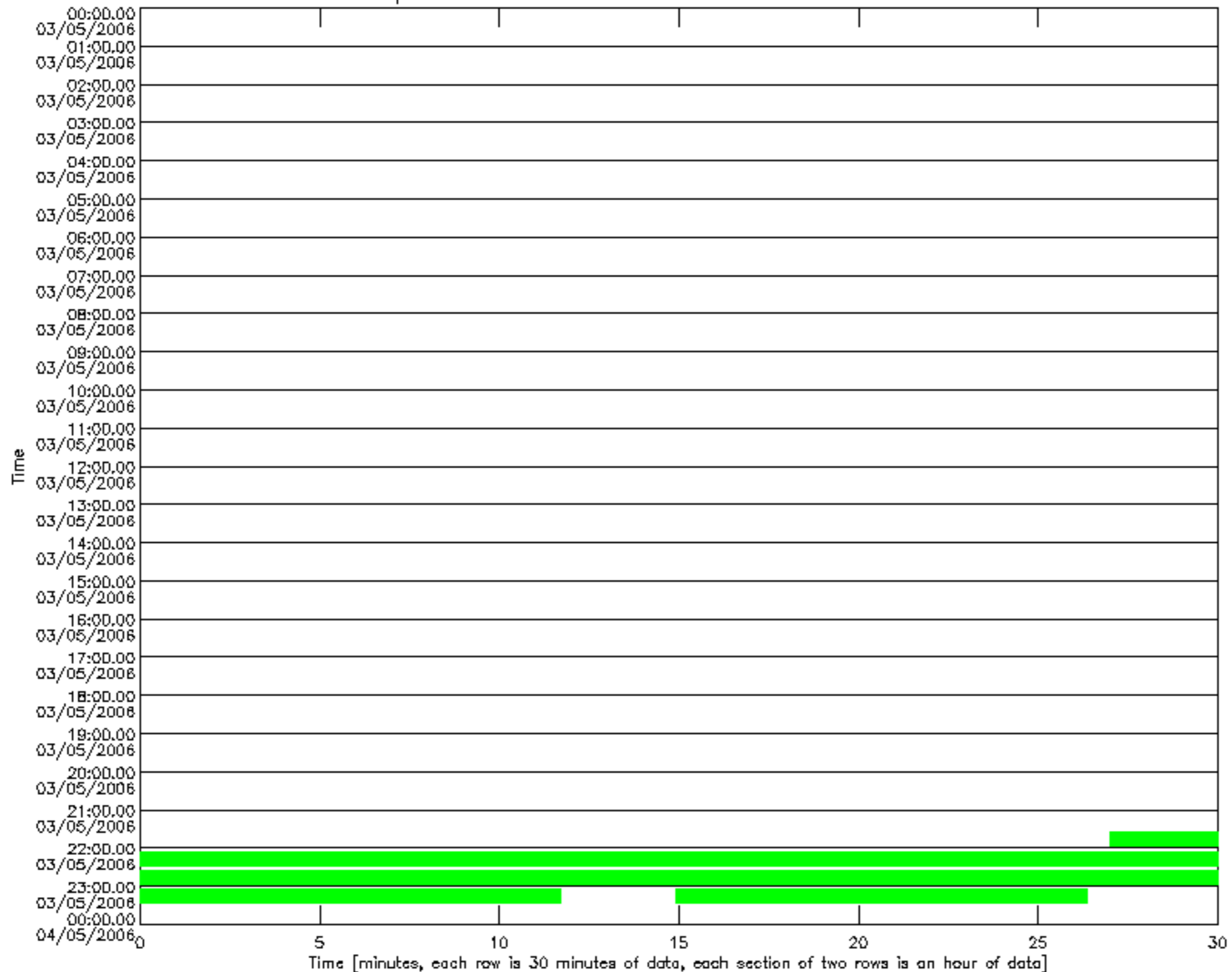
Bar plot of MIPNL1P_MIPLEV1BMDS_detect_non_lin_flux detector A1



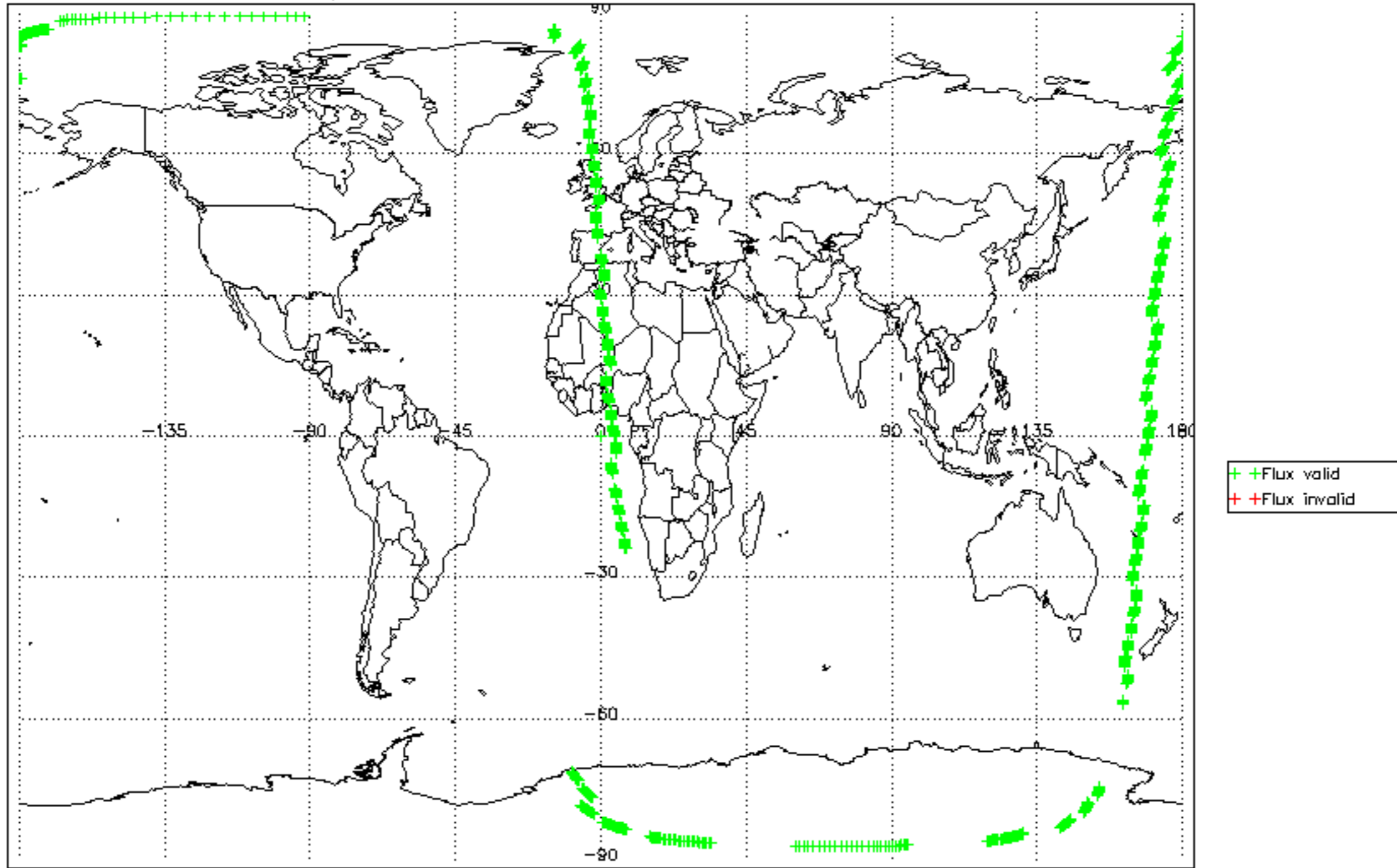
Geolocation plot of MIPNL1P_MIPLEV1BMDS_detect_non_jin_flux detector A1



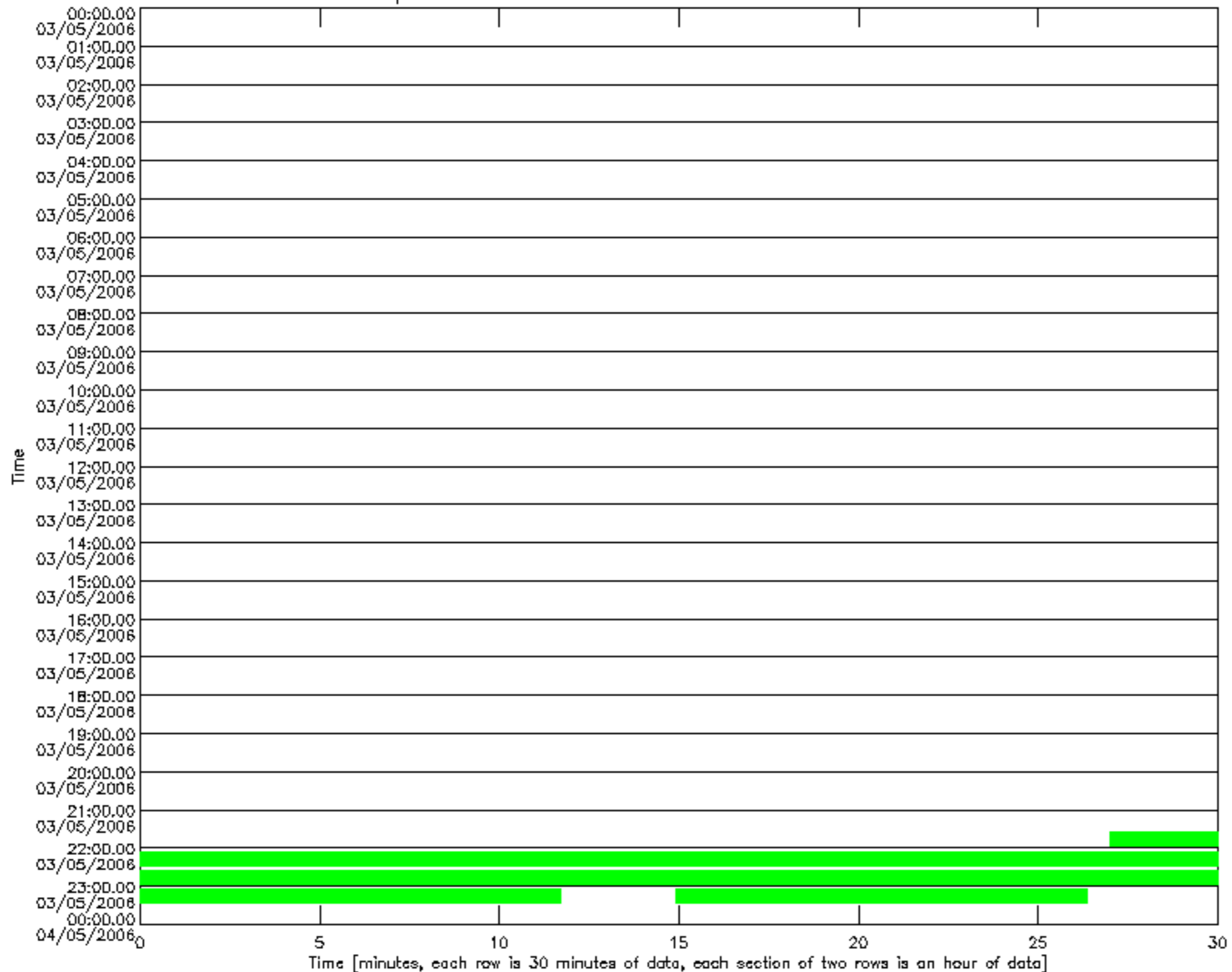
Bar plot of MIPNL1P_MIPLEV1BMDS_detect_non_lin_flux detector A2



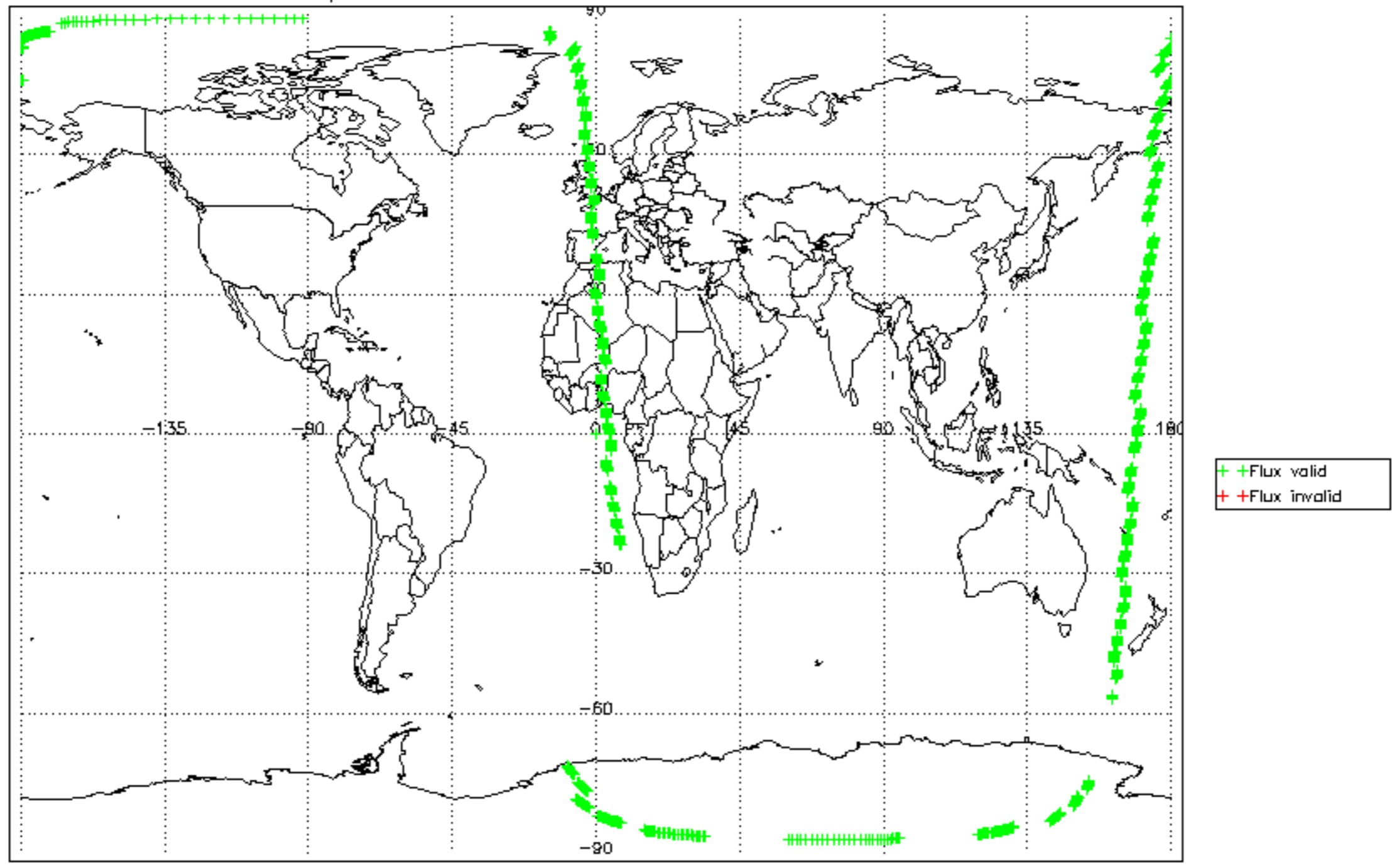
Geolocation plot of MIPNL1P_MIPLEV1BMDS_detect_non_in_flux detector A2



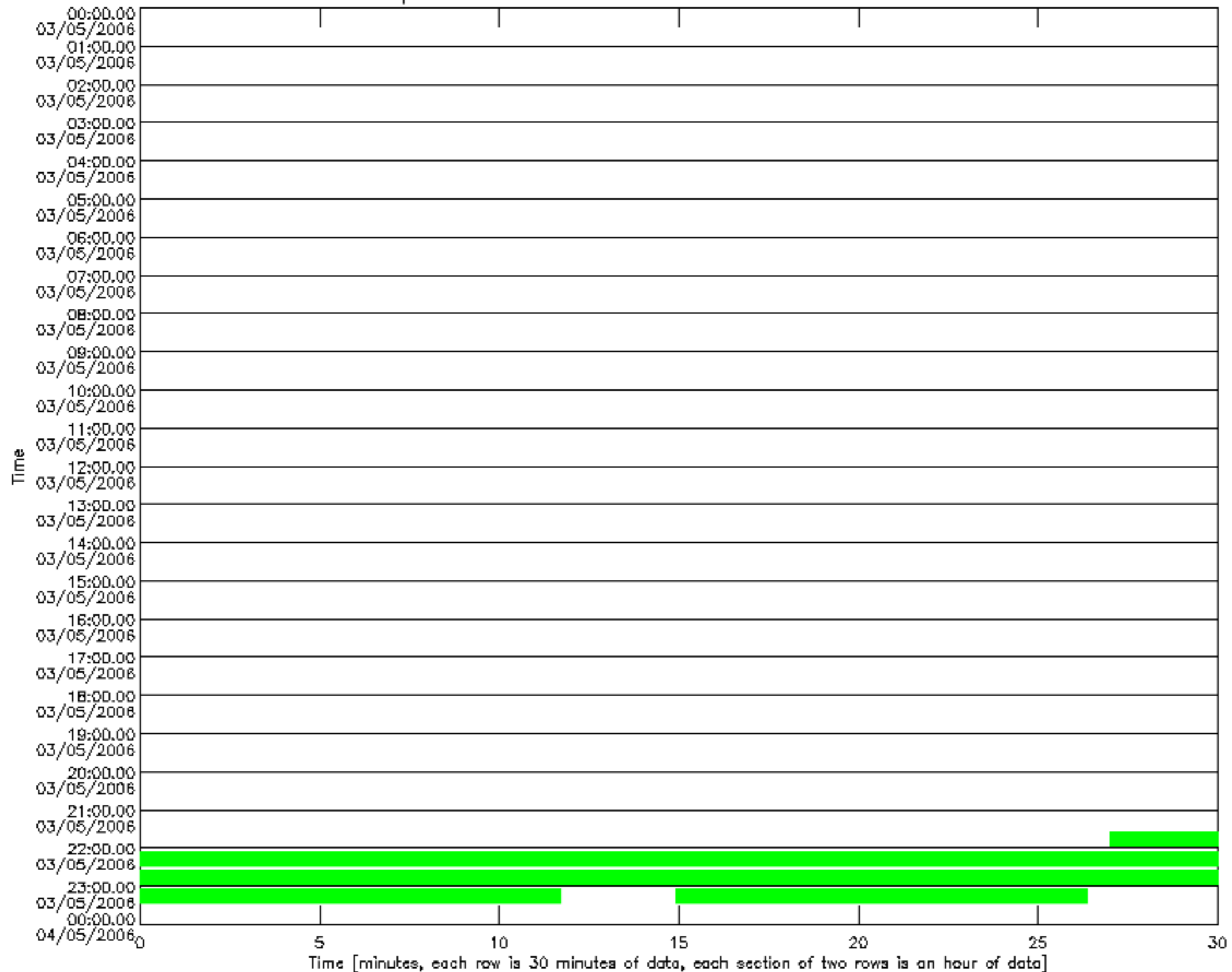
Bar plot of MIPNL1P_MIPLEV1 BMDS_detect_non_lin_flux detector AB



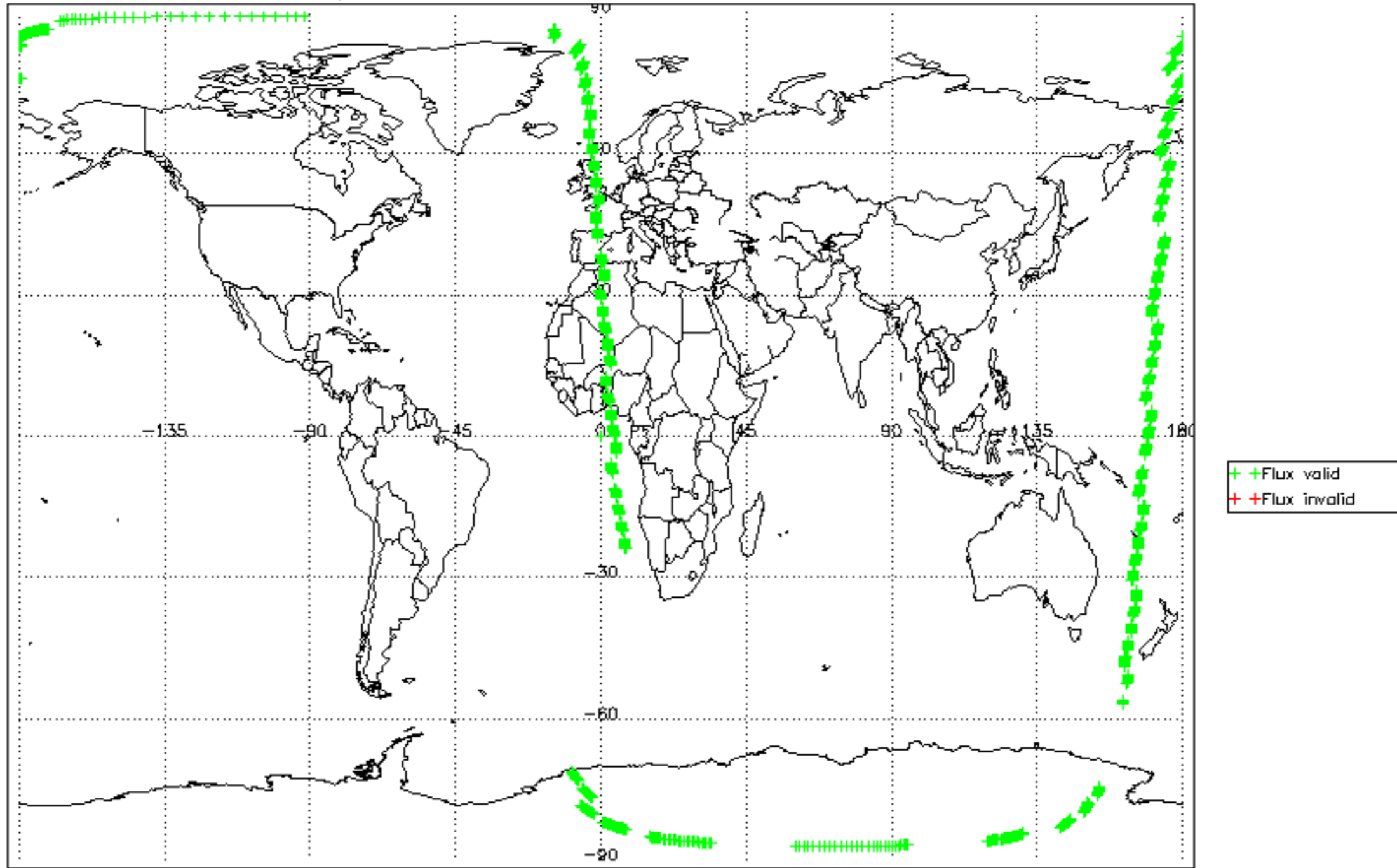
Geolocation plot of MIPNL1P_MIPLEV1BMDS_detect_non_lin_flux detector AB



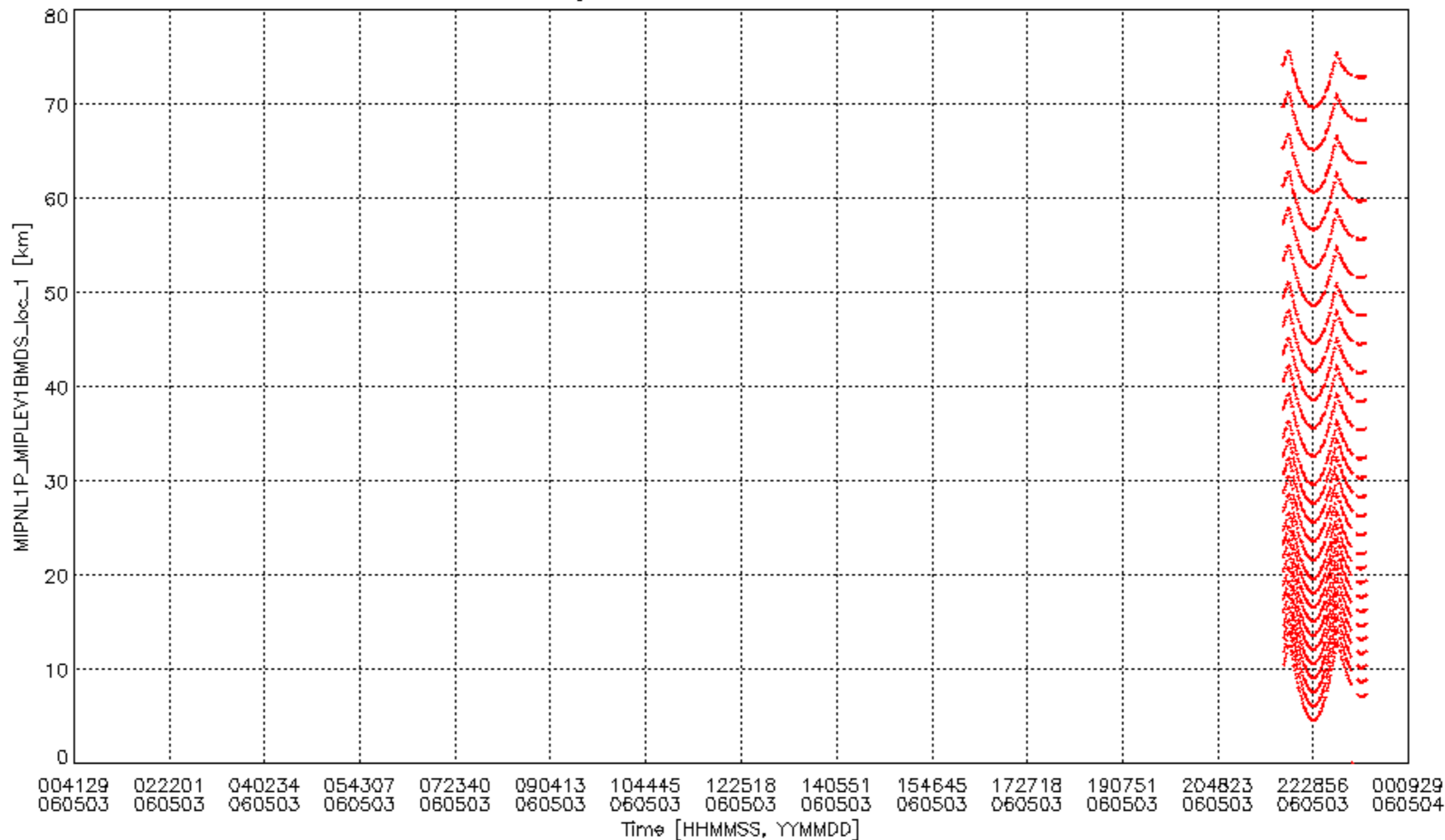
Bar plot of MIPNL1P_MIPLEV1BMDS_detect_non_in_flux detector B



Geolocation plot of MIPNL1P_MIPLEV1BMDS_detect_non_Jin_flux detector B



Plot of MIPNL1P_MIPLEV1BMDS_loc_1 against time.
The vertical grid lines indicate estimated anx events.



Plot of MIPNL1P_MIPLEV1BMDS_Joc_1 against relative time within orbit.
 The colours indicate distinct orbits (see legend for anx).

