

1. MIPAS Daily Report for level 1 products

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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	10MAY2006 11:43:00
Data source version	MIPAS/4.65-P
Processing scope for products	07FEB2006 00:00:00 to 08FEB2006 00:00:00
Start time of first product within scope	07FEB2006 03:01:32
Stop time of last product within scope	07FEB2006 04:42:07
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.

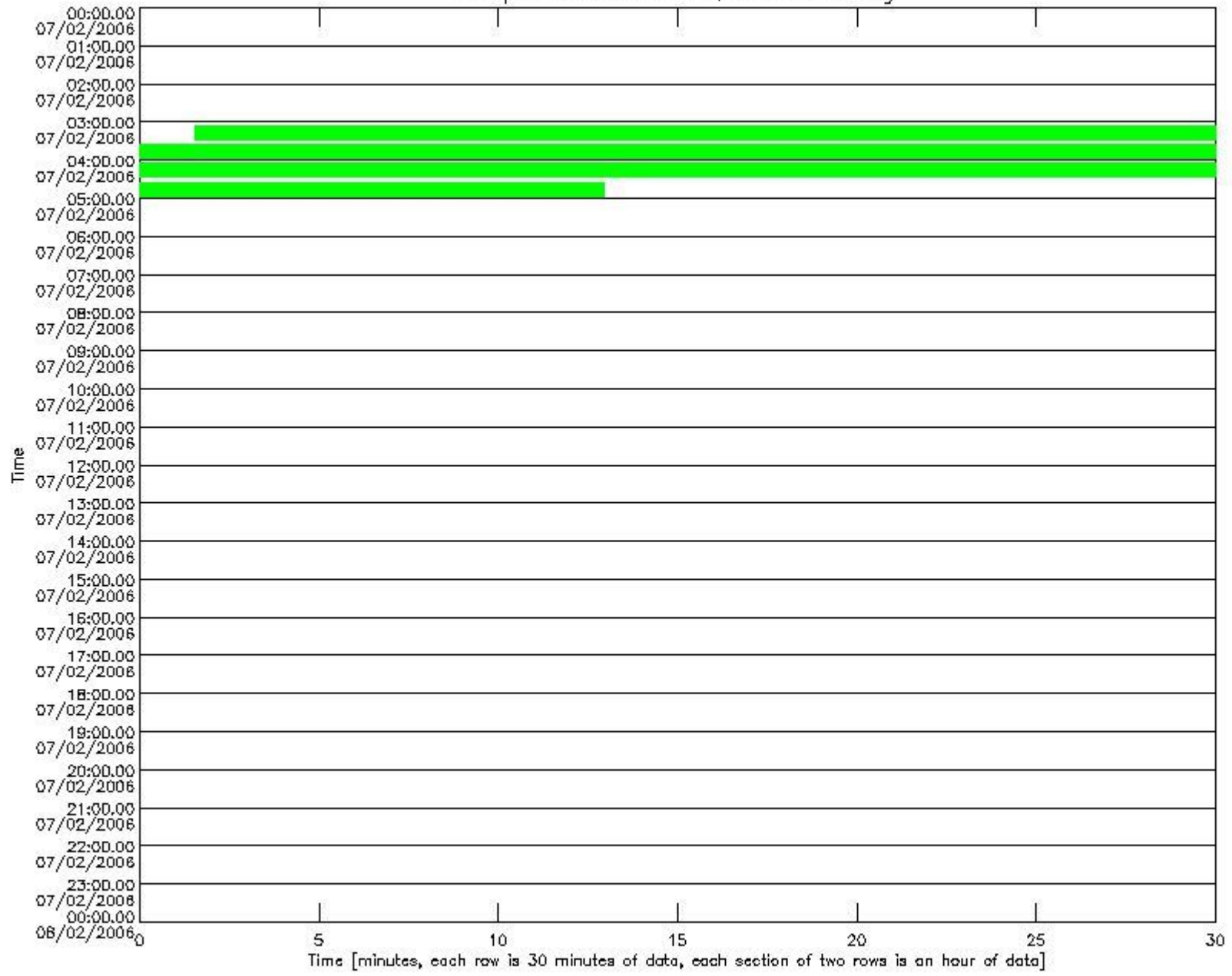
#	Product name	Start time	Stop time	Prod err	Slice position (prod/tot)
0	MIP_NL__1PPDPA20060207_030132_000060362045_00004_20599_0251.N1	07FEB2006 03:01:32	07FEB2006 04:42:07	0	0/0

1.2 Product Quality Indicators

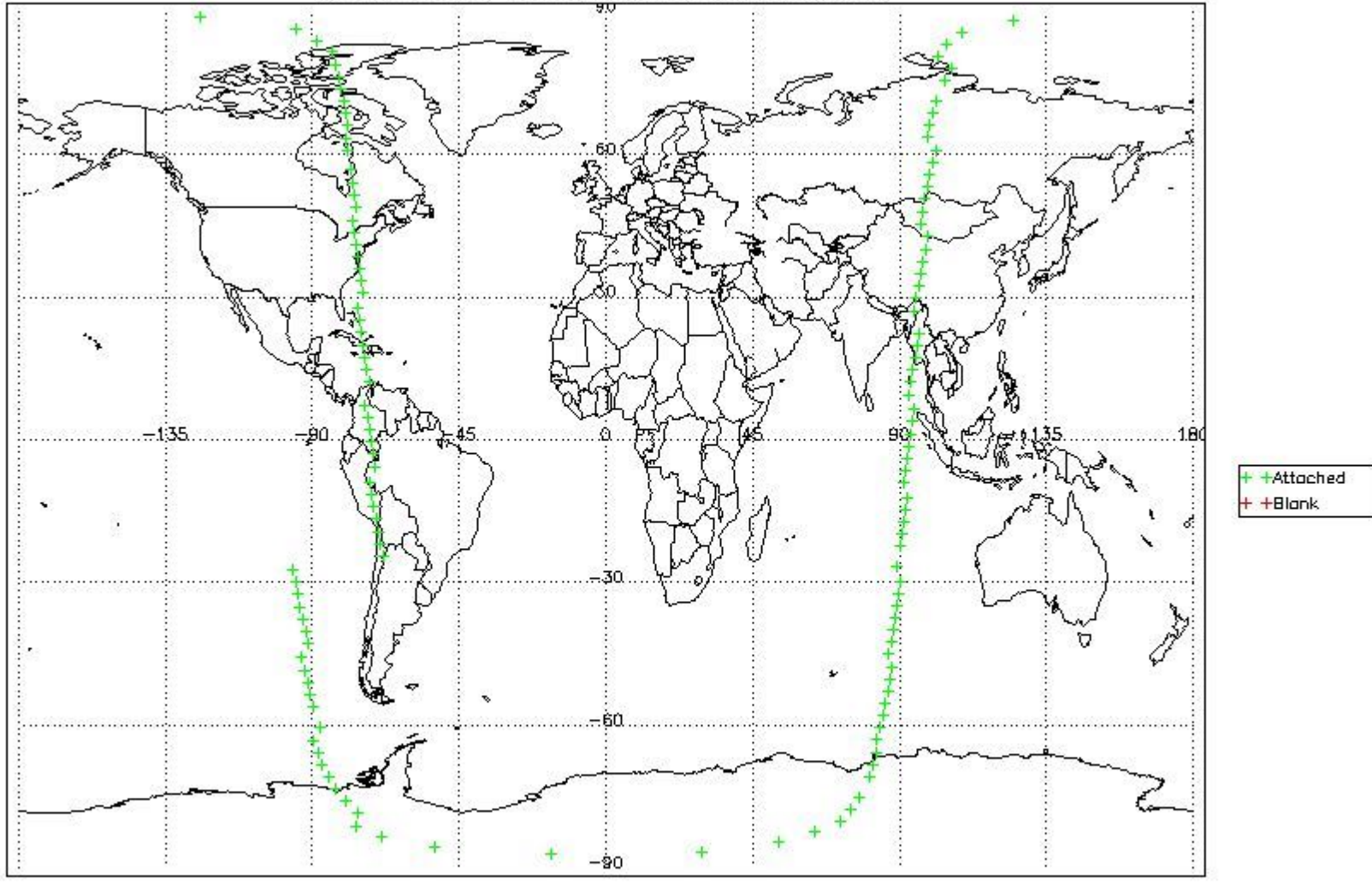
This report contains an analysis on product quality related parameters within the MIP_NL__1P product.

1.2.1 Trends and geolocation of Summary Quality ADS

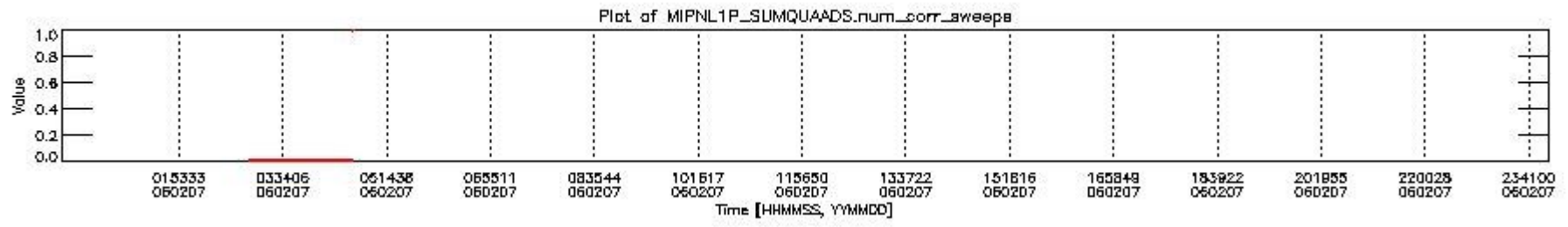
Bar plot of MIPNL1P_SUMQUAADS.attach_flag



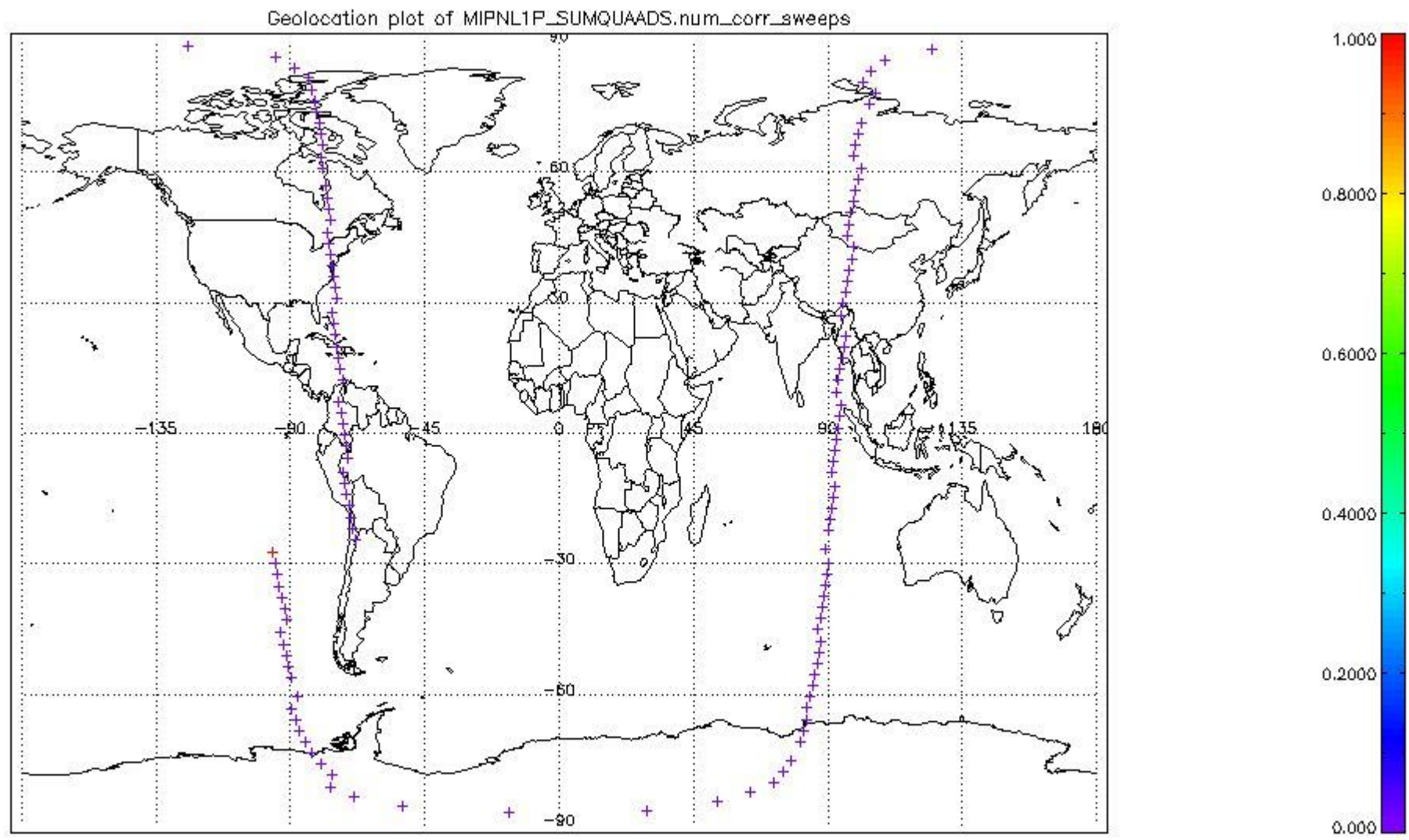
Geolocation plot of MIPNL1P_SUMQUAADS.attach_flag



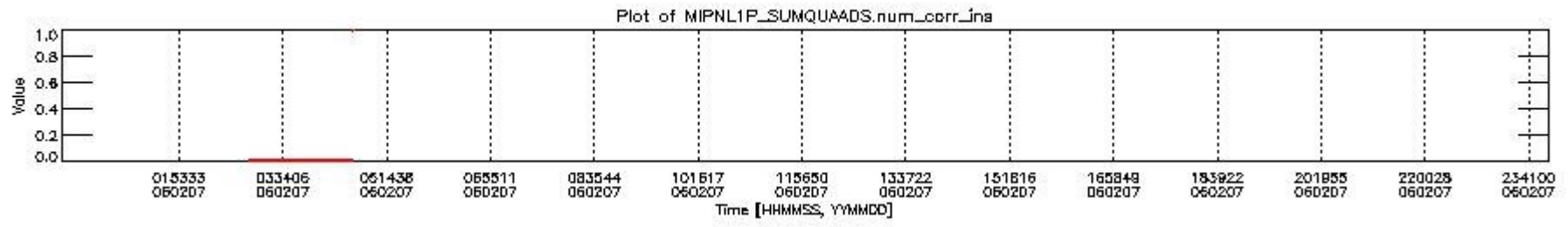
mipas_daily_report_level1_OFI_MIPAS_4_65_P_20060207_1.PNG



mipas_daily_report_level1_OFI_MIPAS_4_65_P_20060207_2.PNG

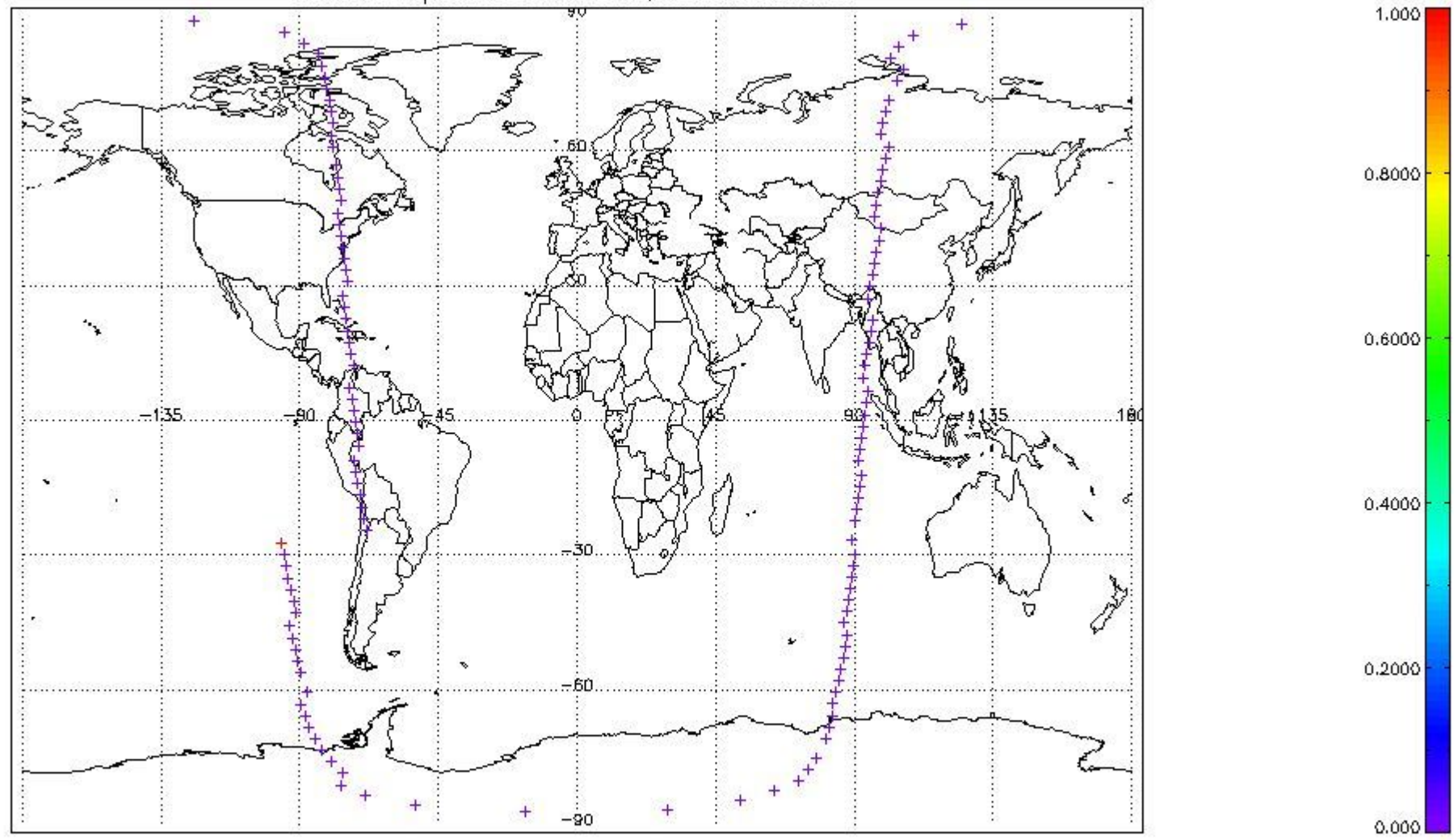


mipas_daily_report_level1_OFI_MIPAS_4_65_P_20060207_3.PNG

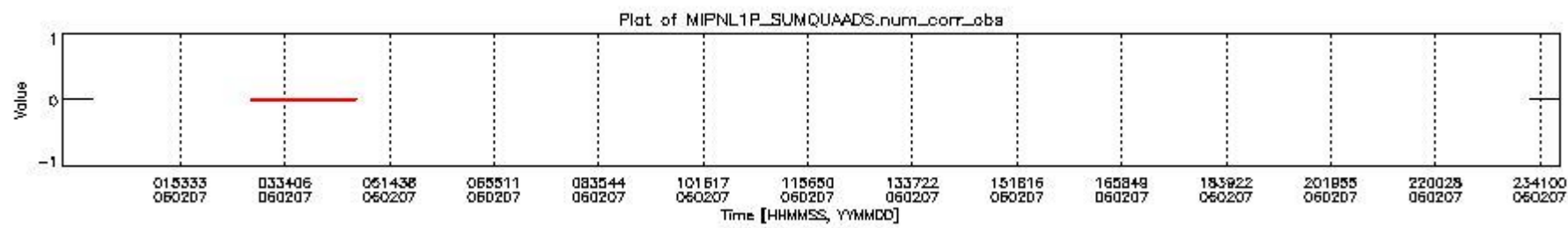


mipas_daily_report_level1_OFI_MIPAS_4_65_P_20060207_4.PNG

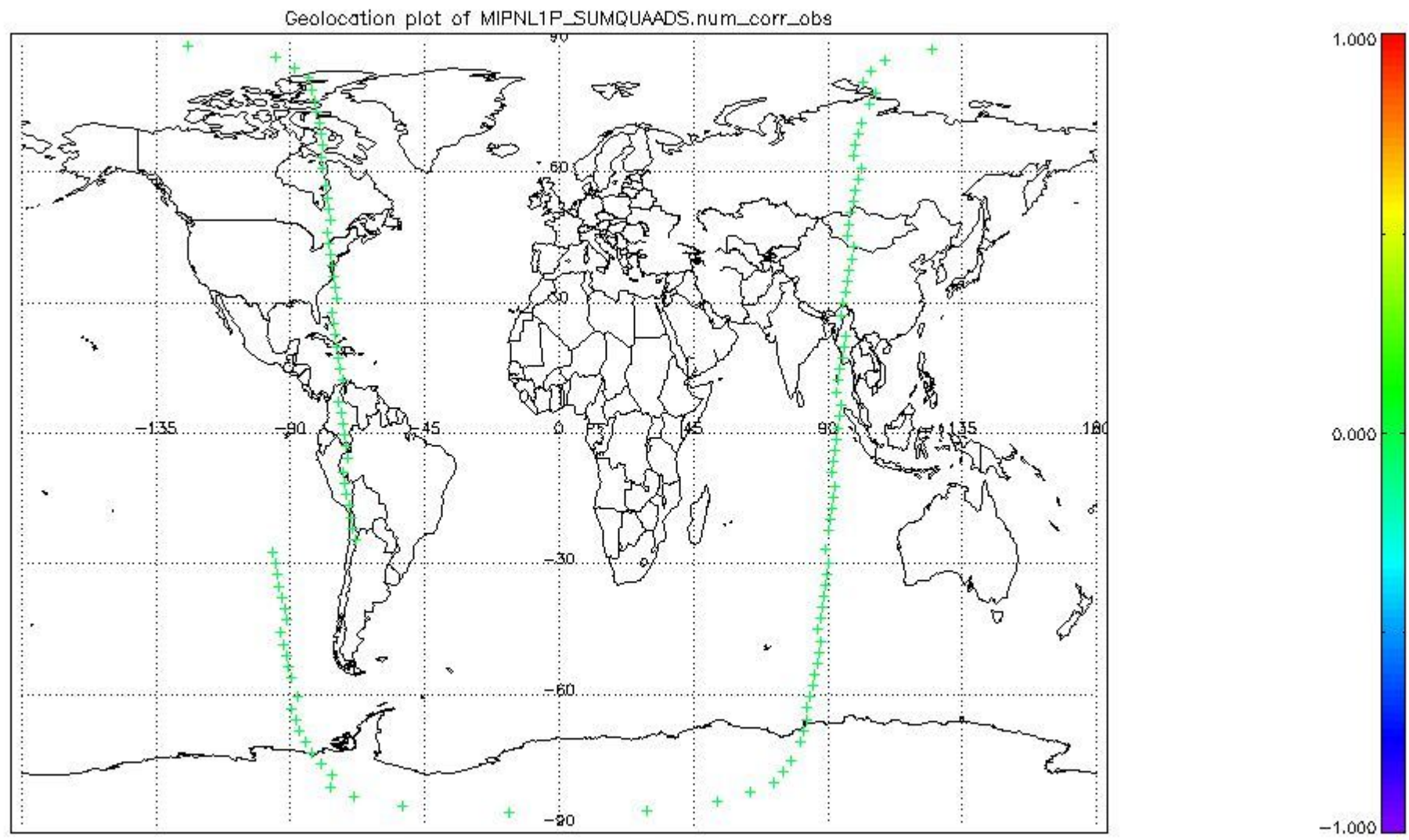
Geolocation plot of MIPNL1P_SUMQUAADS.num_corr_ins



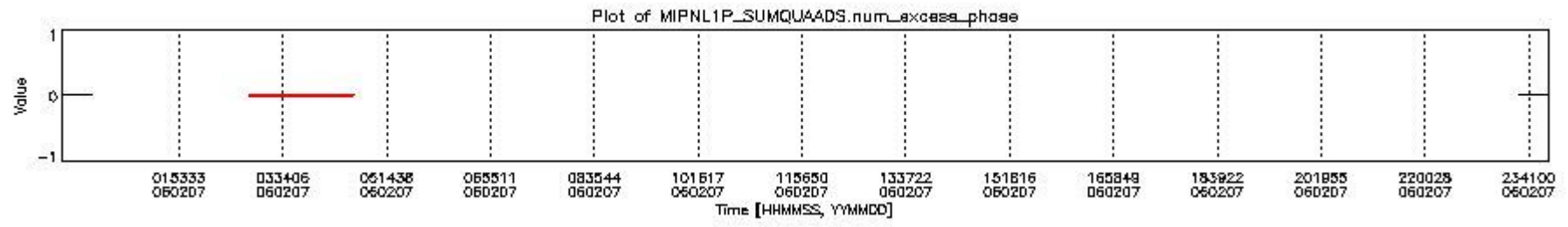
mipas_daily_report_level1_OFI_MIPAS_4_65_P_20060207_5.PNG



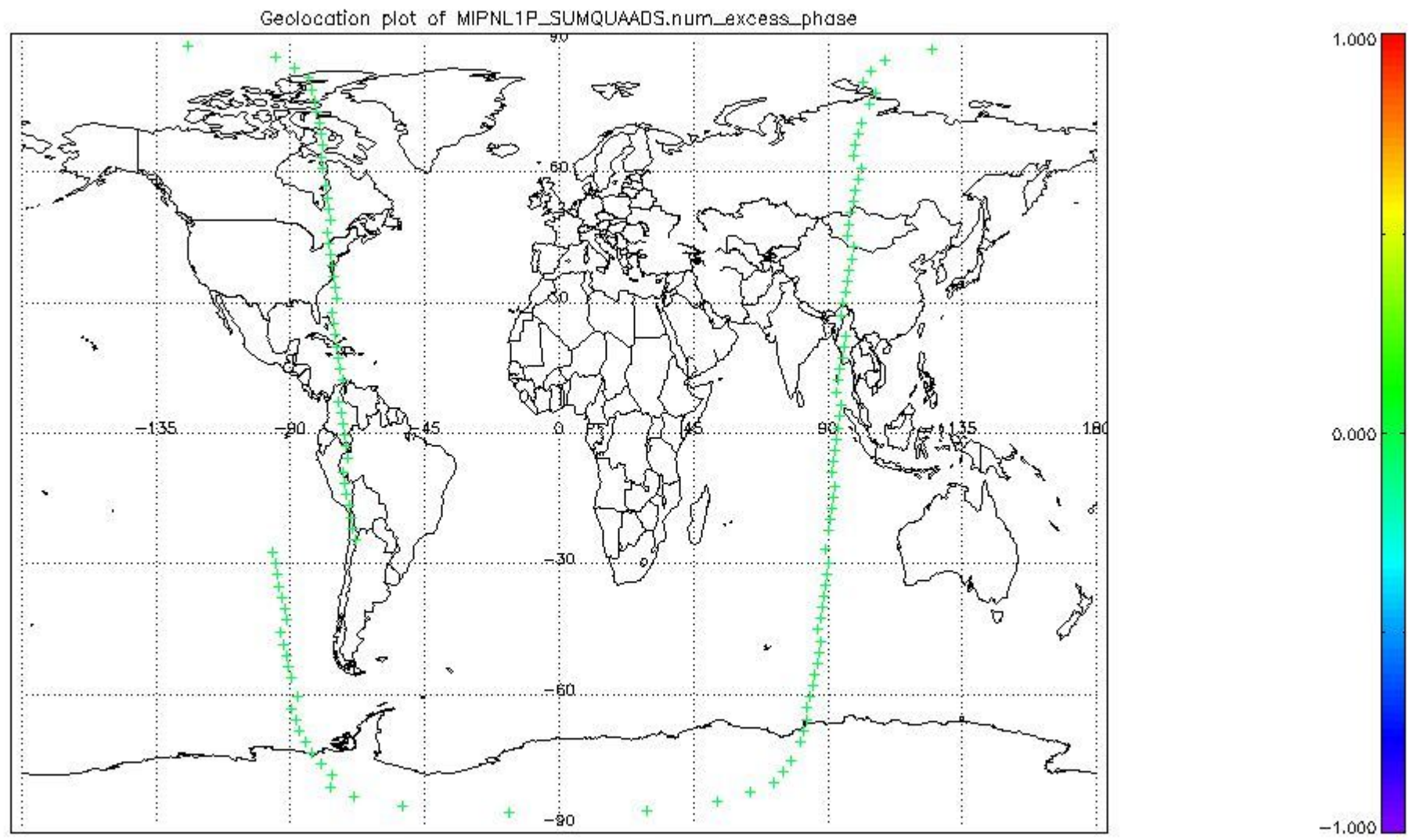
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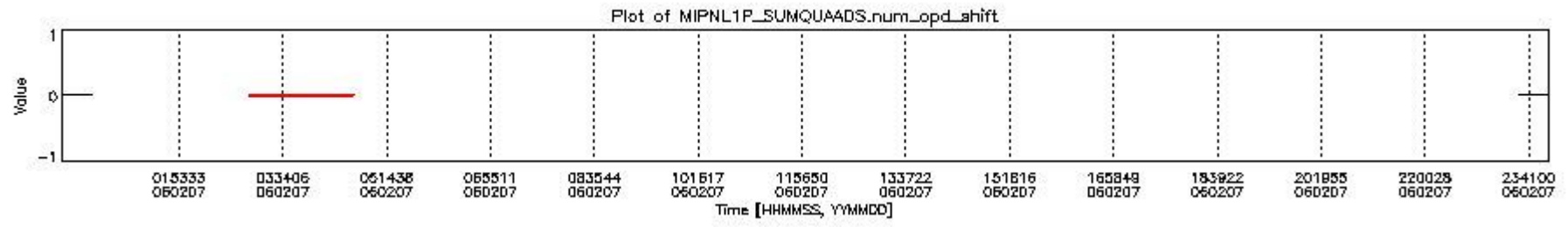
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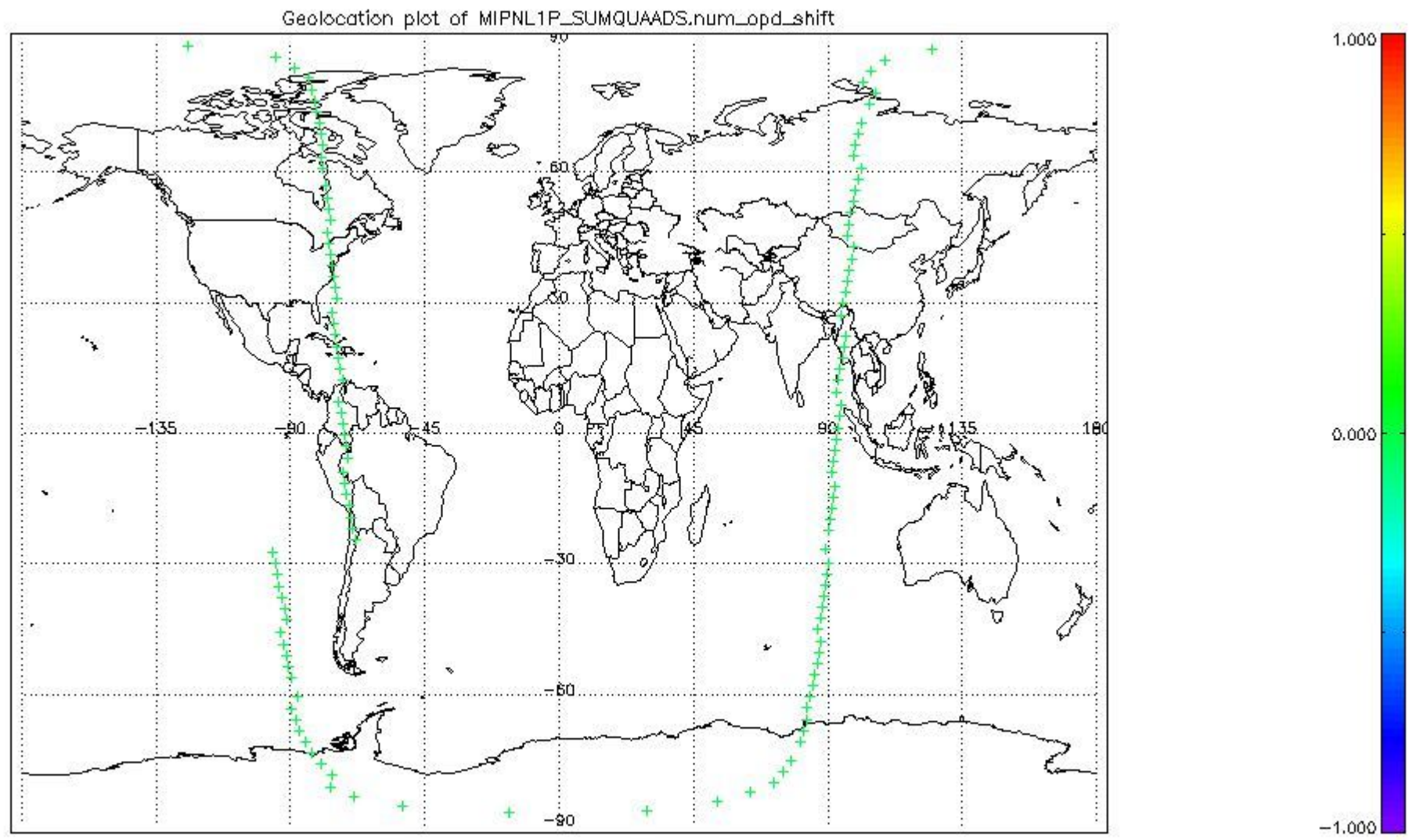
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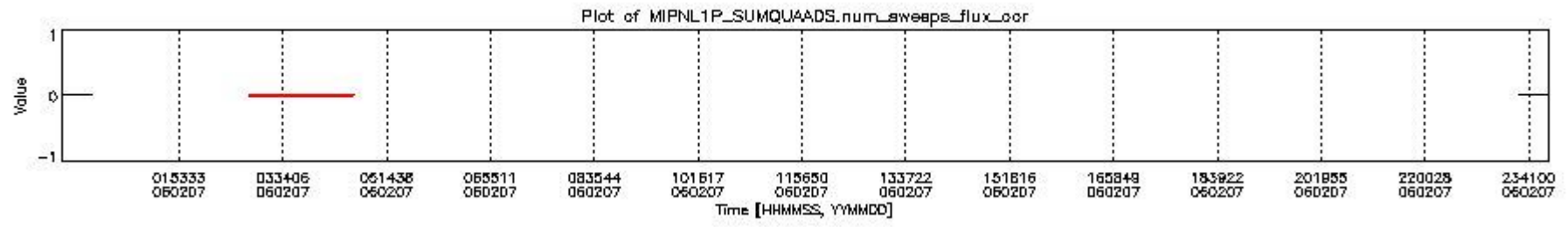
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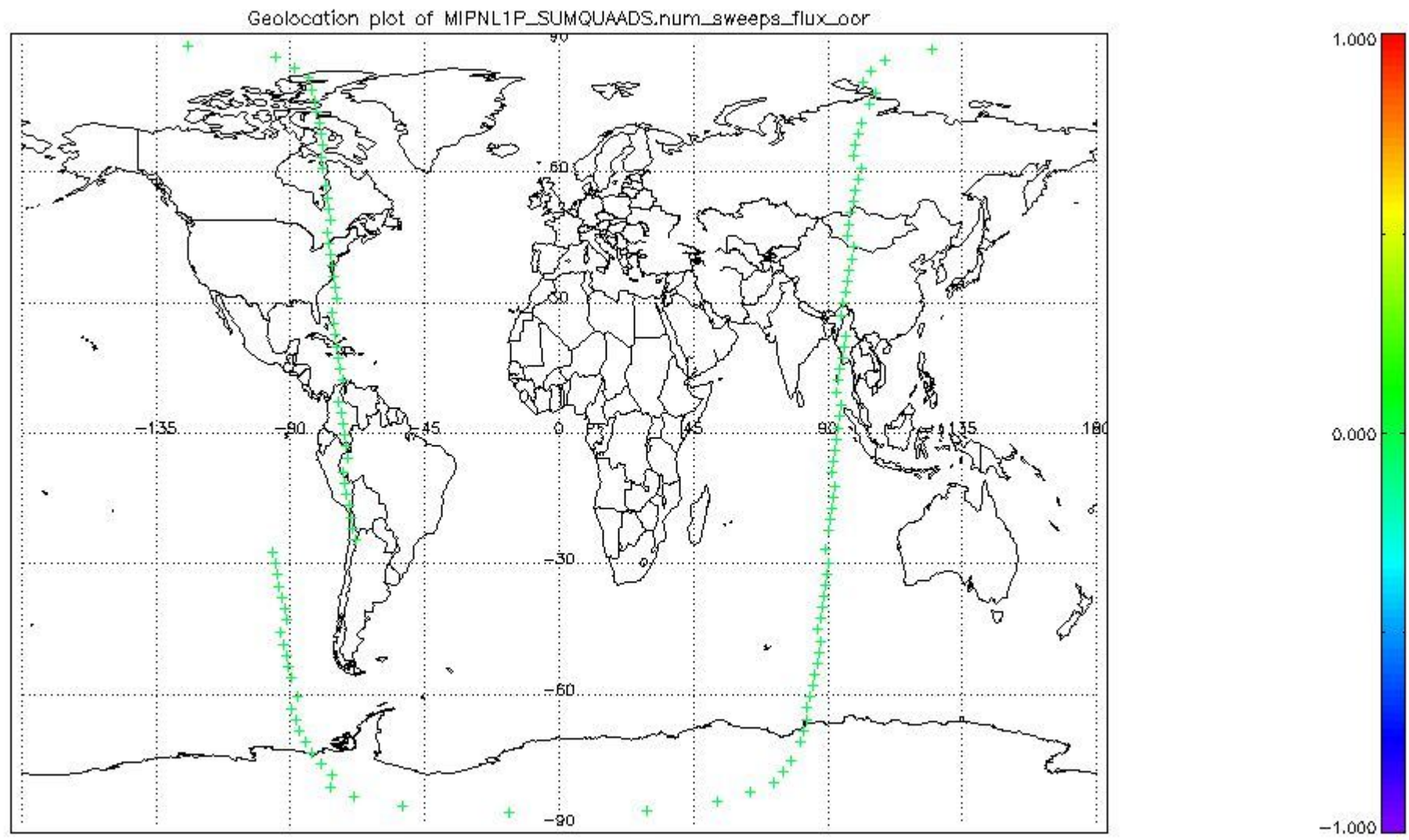
mipas_daily_report_level1_OFL_MIPAS_4_65_P_20060207_10.PNG



mipas_daily_report_level1_OFL_MIPAS_4_65_P_20060207_11.PNG



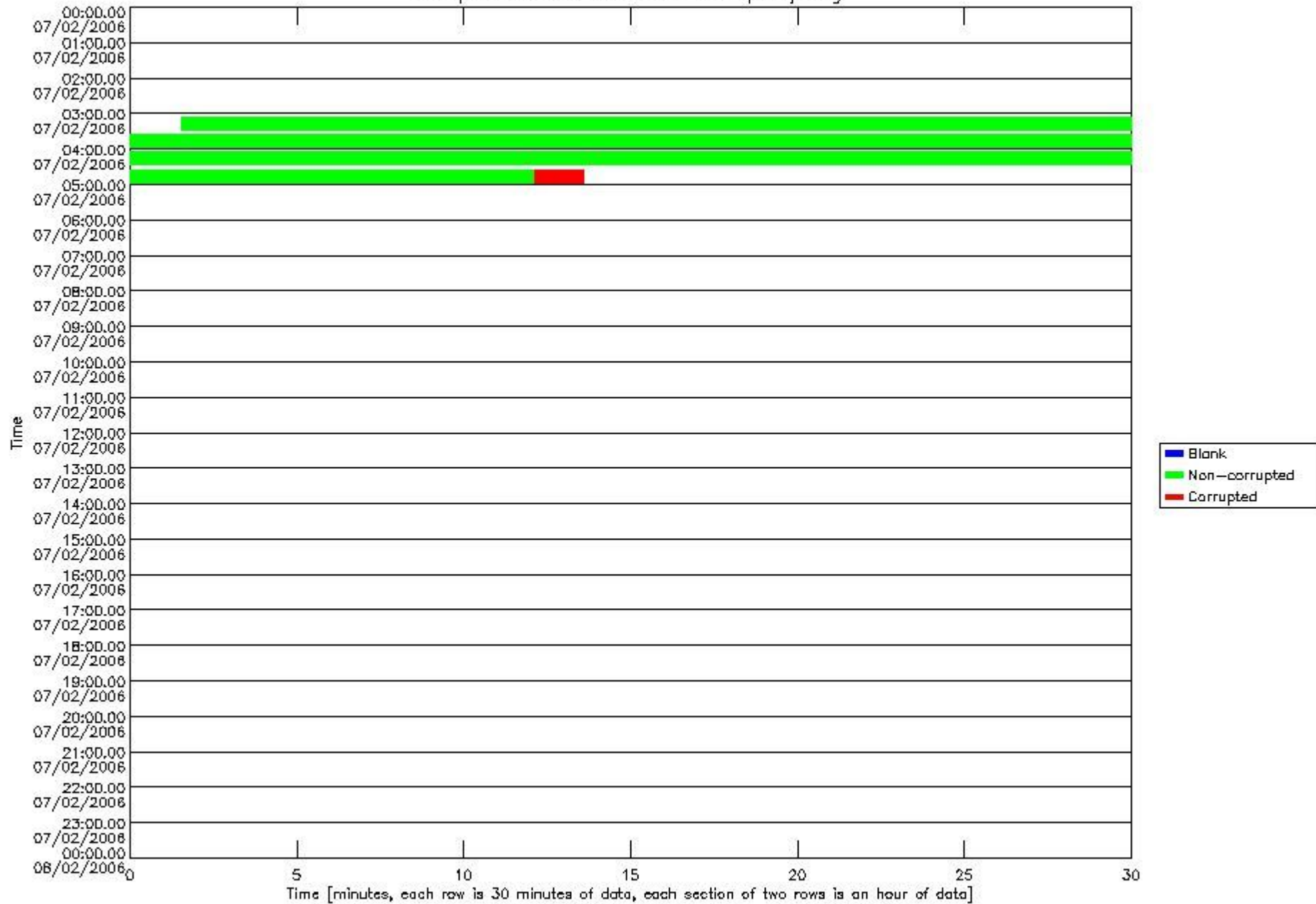
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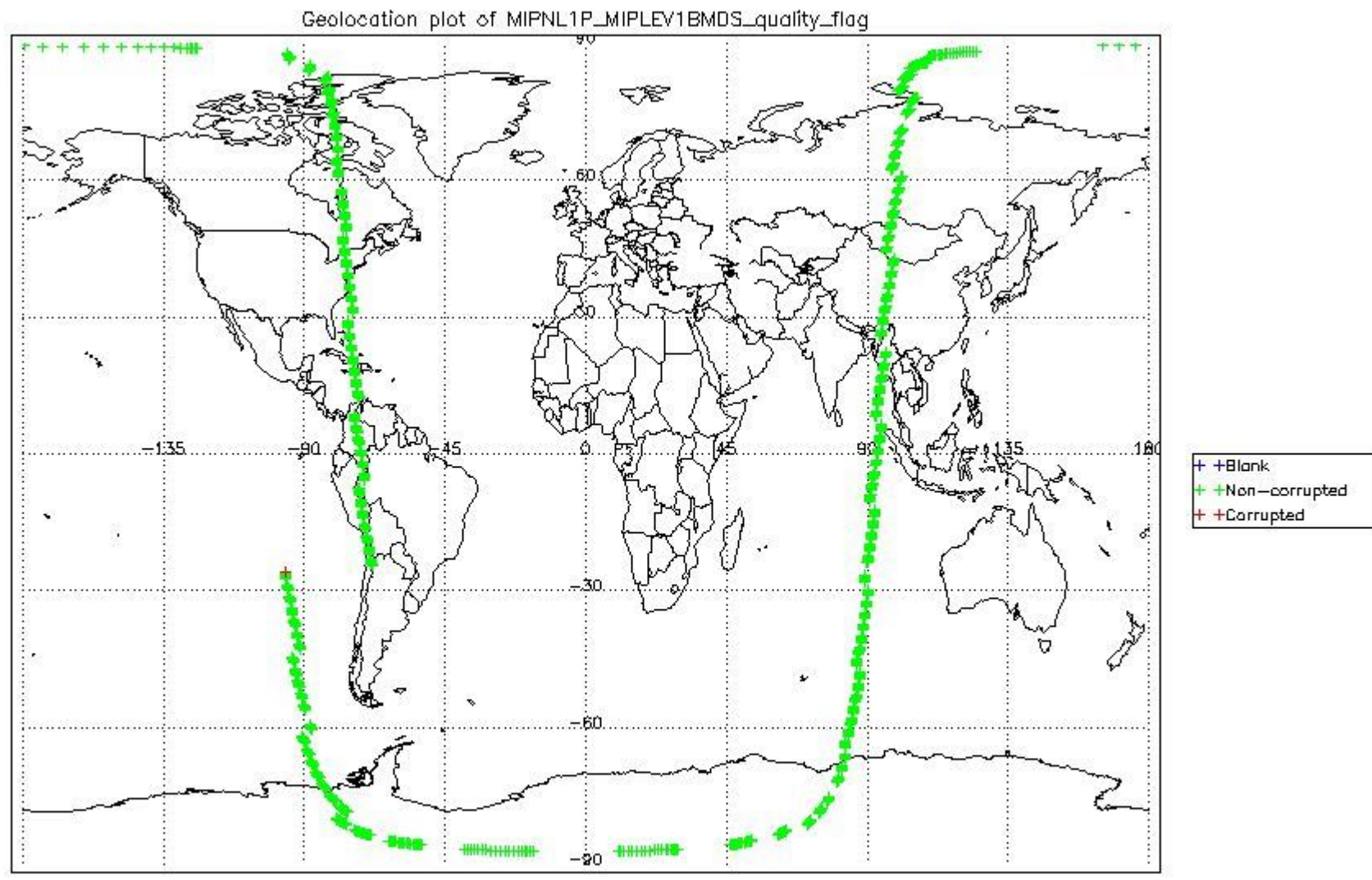


mipas_daily_report_level1_OFI_MIPAS_4_65_P_20060207_13.PNG

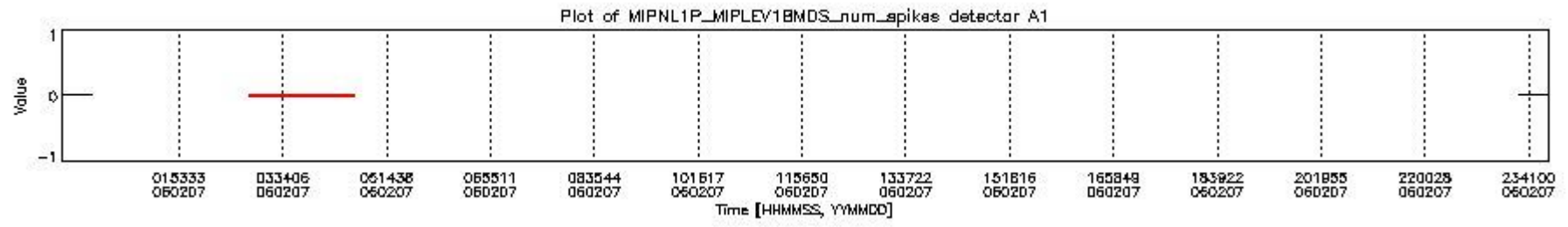
1.2.2 Trends and geolocation of MIPAS LEVEL 1 MDS

Bar plot of MIPNL1P_MIPLEV1BMDS_quality_flag



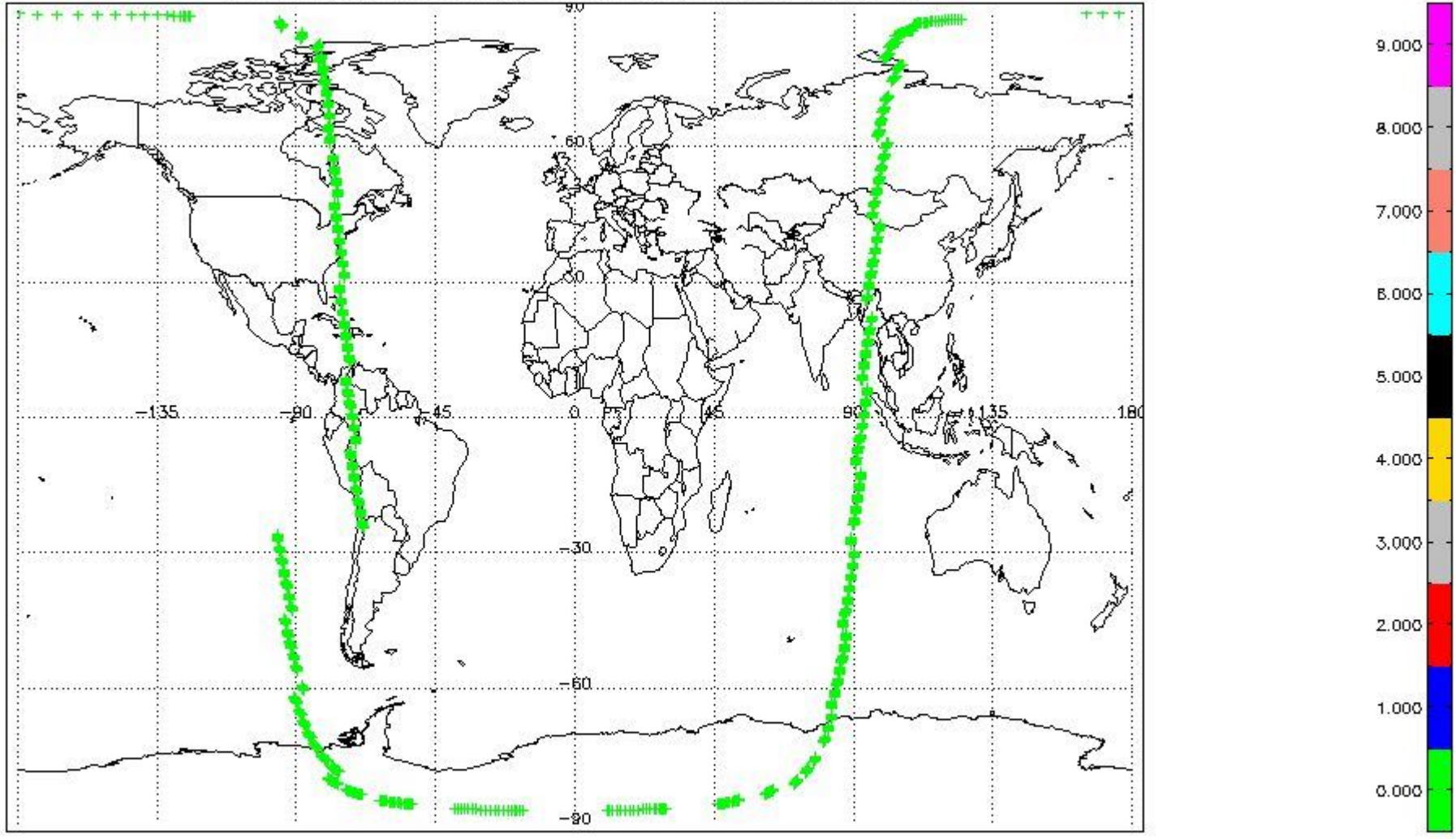


mipas_daily_report_level1_OFL_MIPAS_4_65_P_20060207_15.PNG

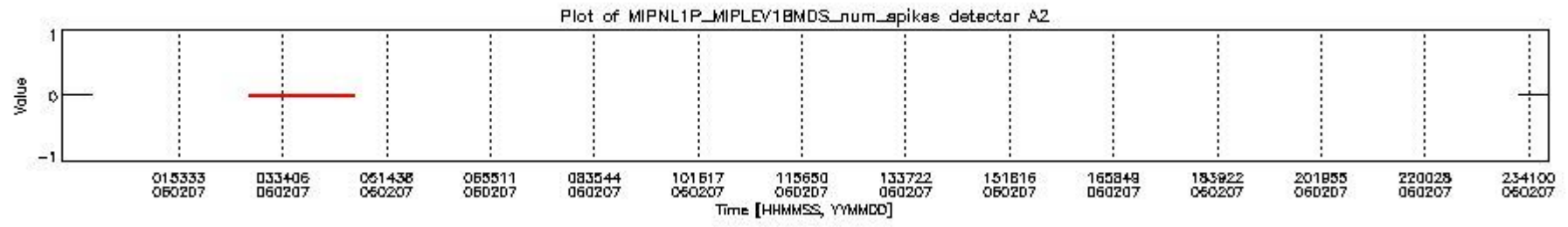


mipas_daily_report_level1_OFL_MIPAS_4_65_P_20060207_16.PNG

Geolocation plot of MIPNL1P_MIPLEV1BMDS_num_spikes detector A1

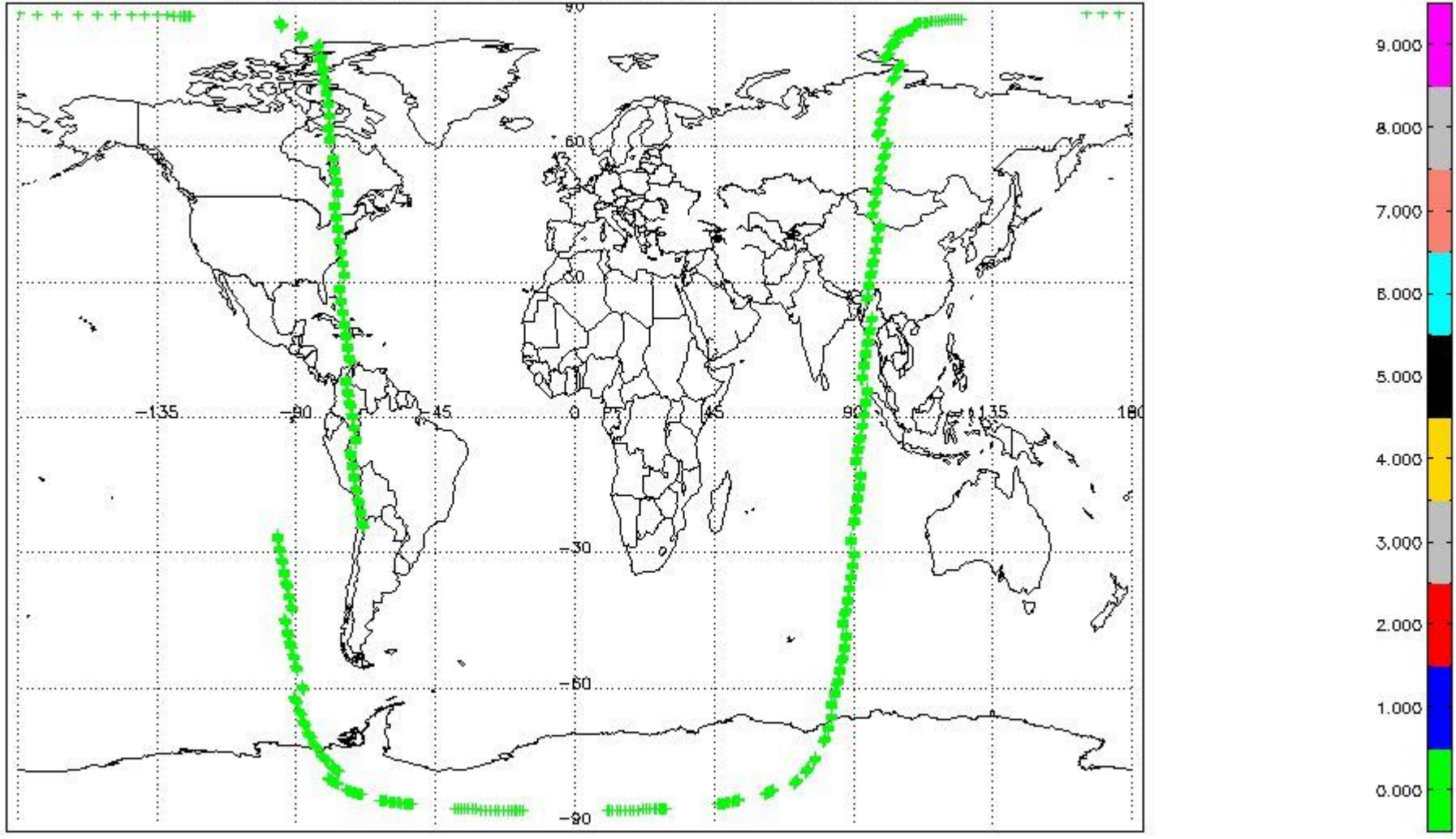


mipas_daily_report_level1_OFL_MIPAS_4_65_P_20060207_17.PNG

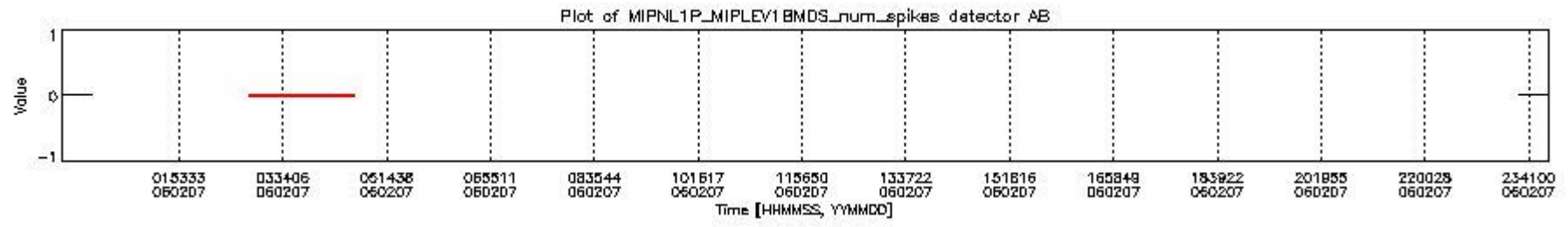


mipas_daily_report_level1_OFL_MIPAS_4_65_P_20060207_18.PNG

Geolocation plot of MIPNL1P_MIPLEV1BMDS_num_spikes detector A2

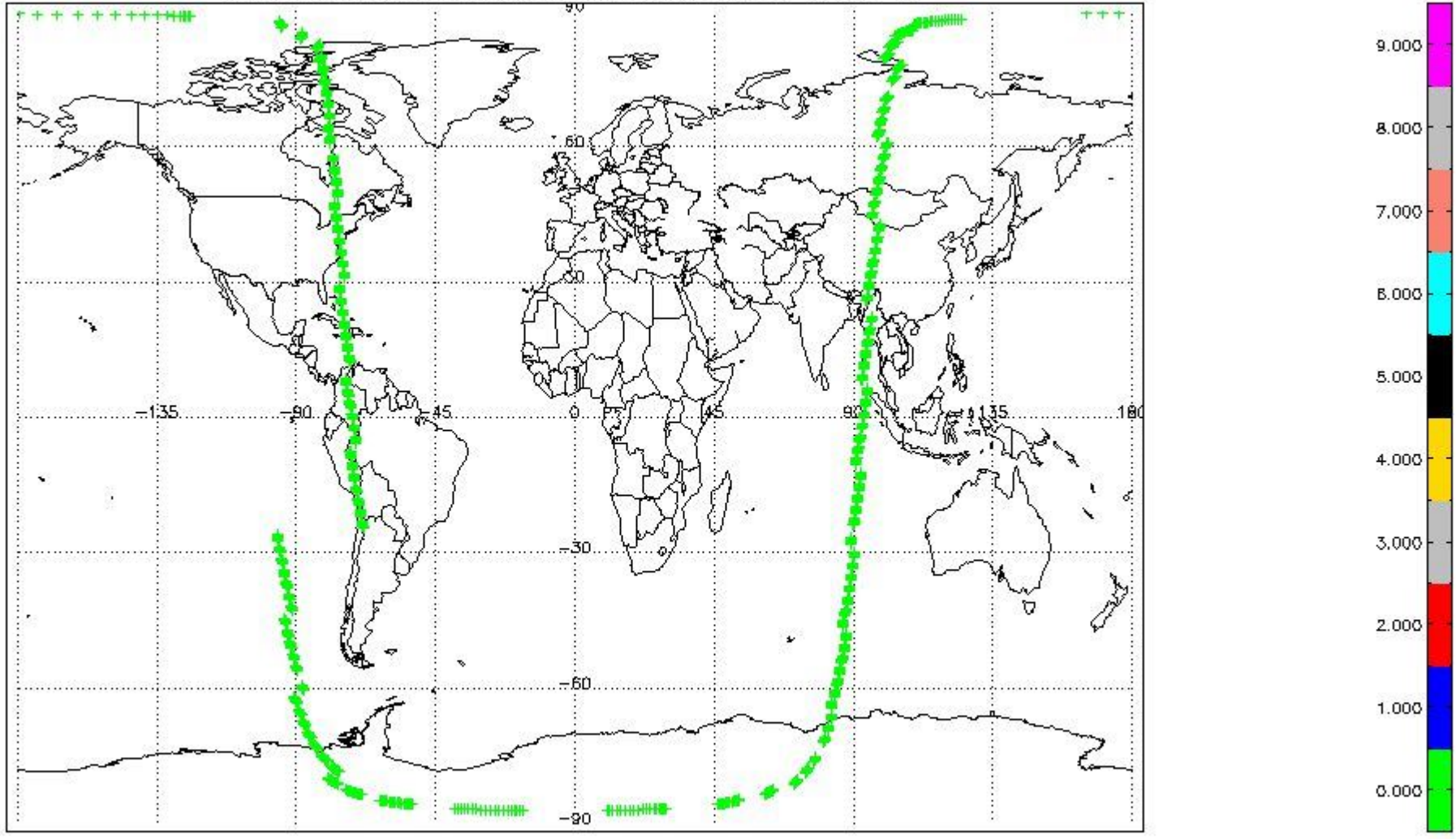


mipas_daily_report_level1_OFL_MIPAS_4_65_P_20060207_19.PNG

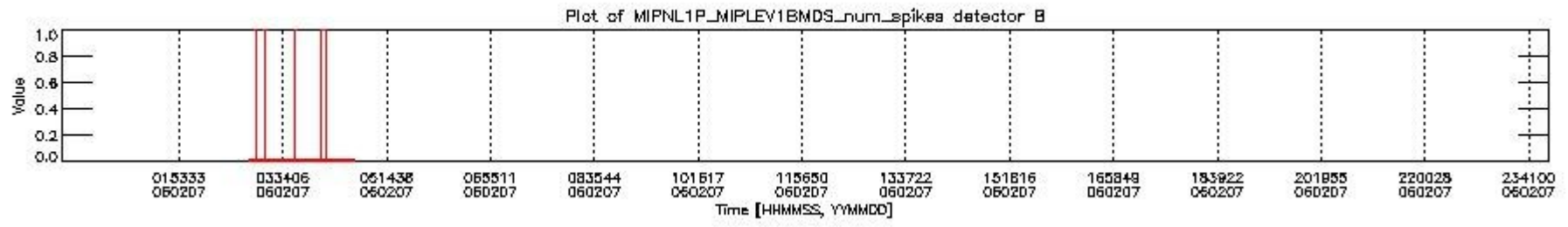


mipas_daily_report_level1_OFL_MIPAS_4_65_P_20060207_20.PNG

Geolocation plot of MIPNL1P_MIPLEV1BMDS_num_spikes detector AB

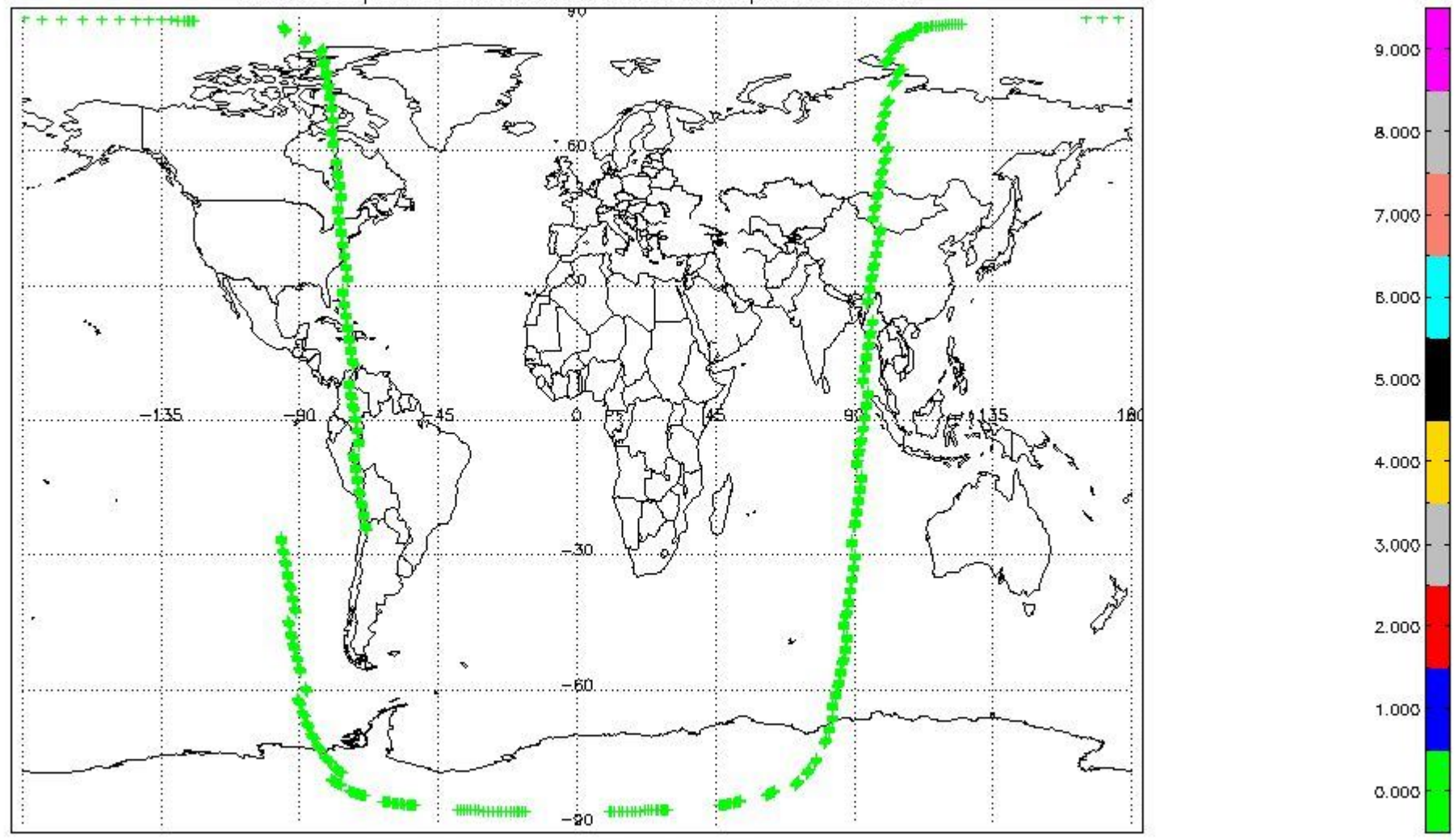


mipas_daily_report_level1_OFL_MIPAS_4_65_P_20060207_21.PNG

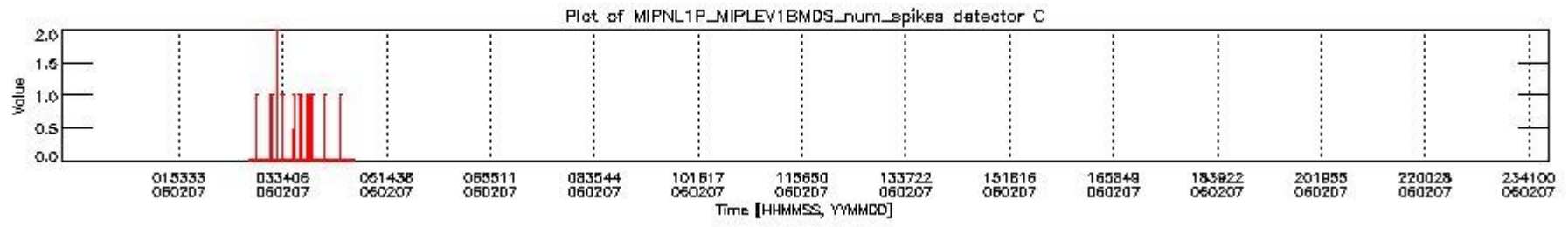


mipas_daily_report_level1_OFL_MIPAS_4_65_P_20060207_22.PNG

Geolocation plot of MIPNL1P_MIPLEV1BMDS_num_spikes detector B

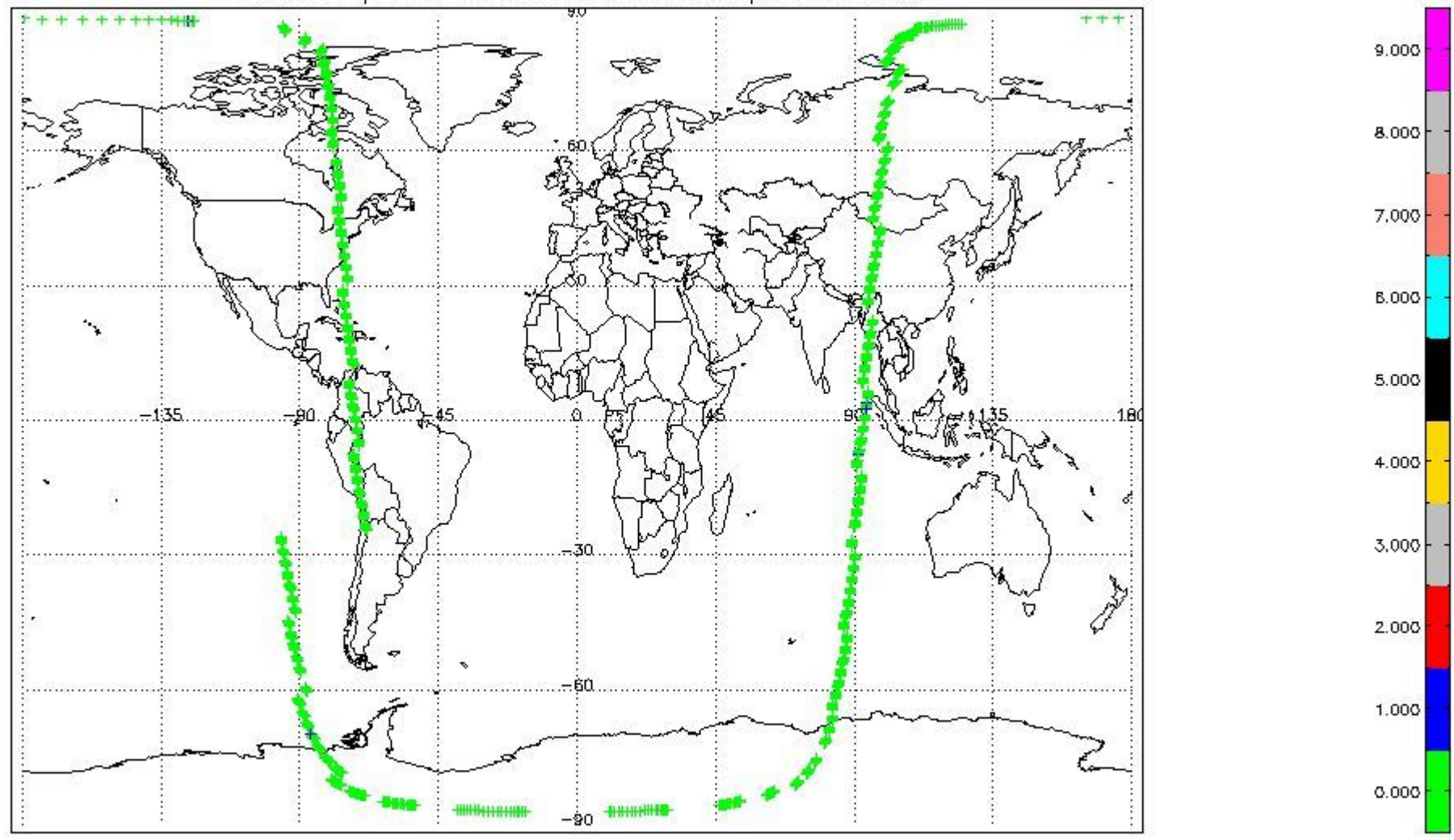


mipas_daily_report_level1_OFL_MIPAS_4_65_P_20060207_23.PNG



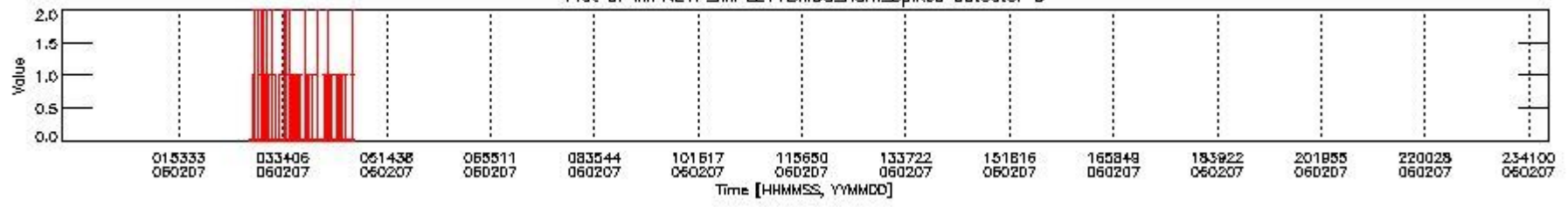
mipas_daily_report_level1_OFL_MIPAS_4_65_P_20060207_24.PNG

Geolocation plot of MIPNL1P_MIPLEV1BMDS_num_spikes detector C



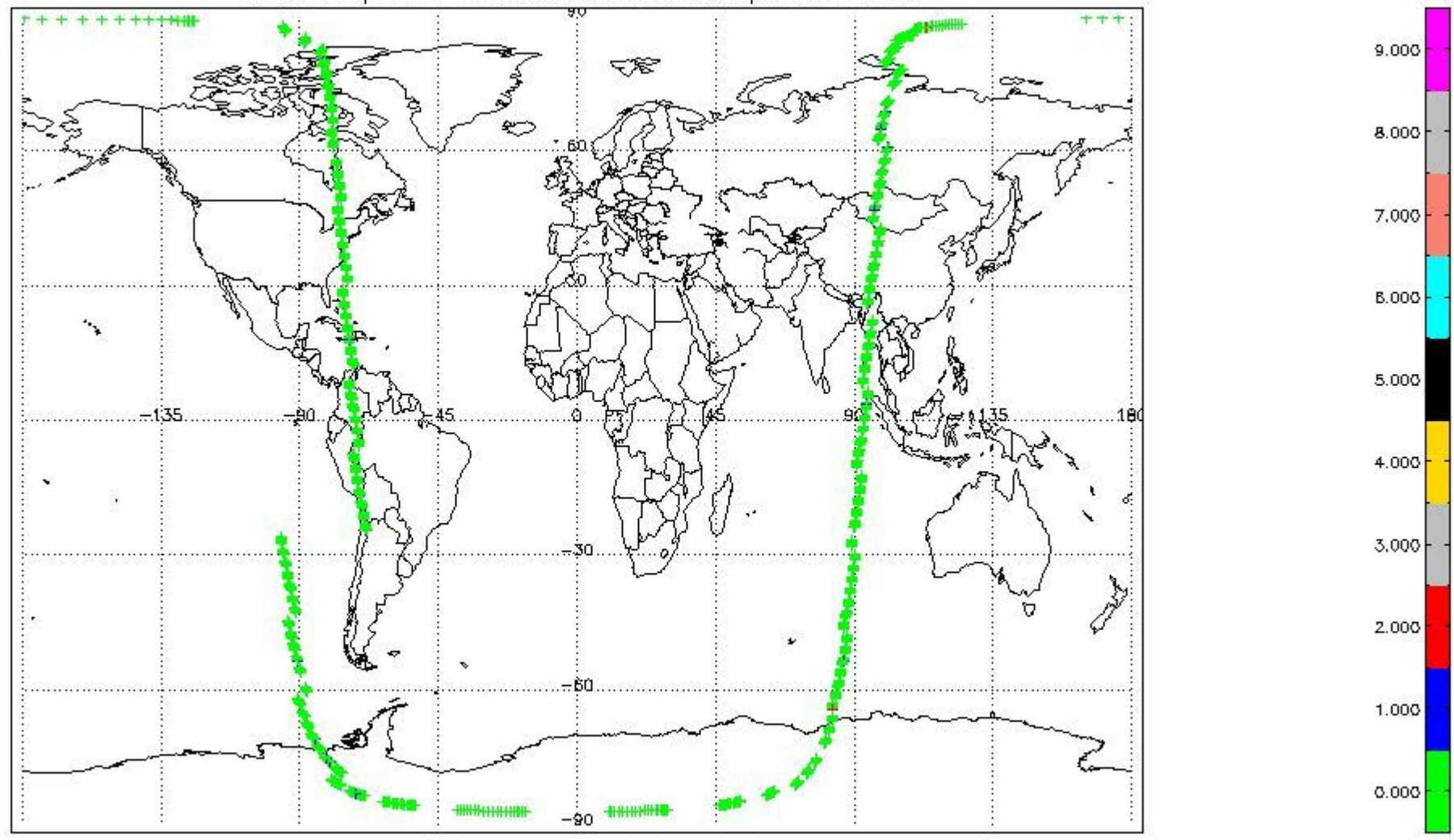
mipas_daily_report_level1_OFL_MIPAS_4_65_P_20060207_25.PNG

Plot of MIPNL1P_MIPLEV1BMDS_num_spikes detector D

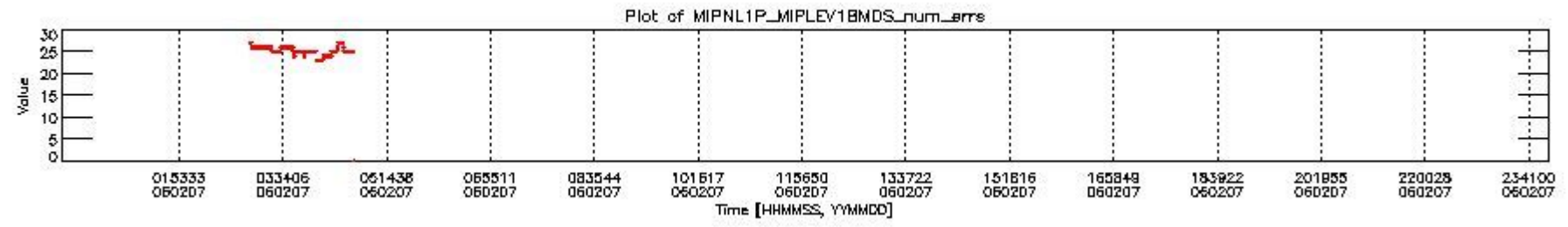


mipas_daily_report_level1_OFL_MIPAS_4_65_P_20060207_26.PNG

Geolocation plot of MIPNL1P_MIPLEV1BMDS_num_spikes detector D

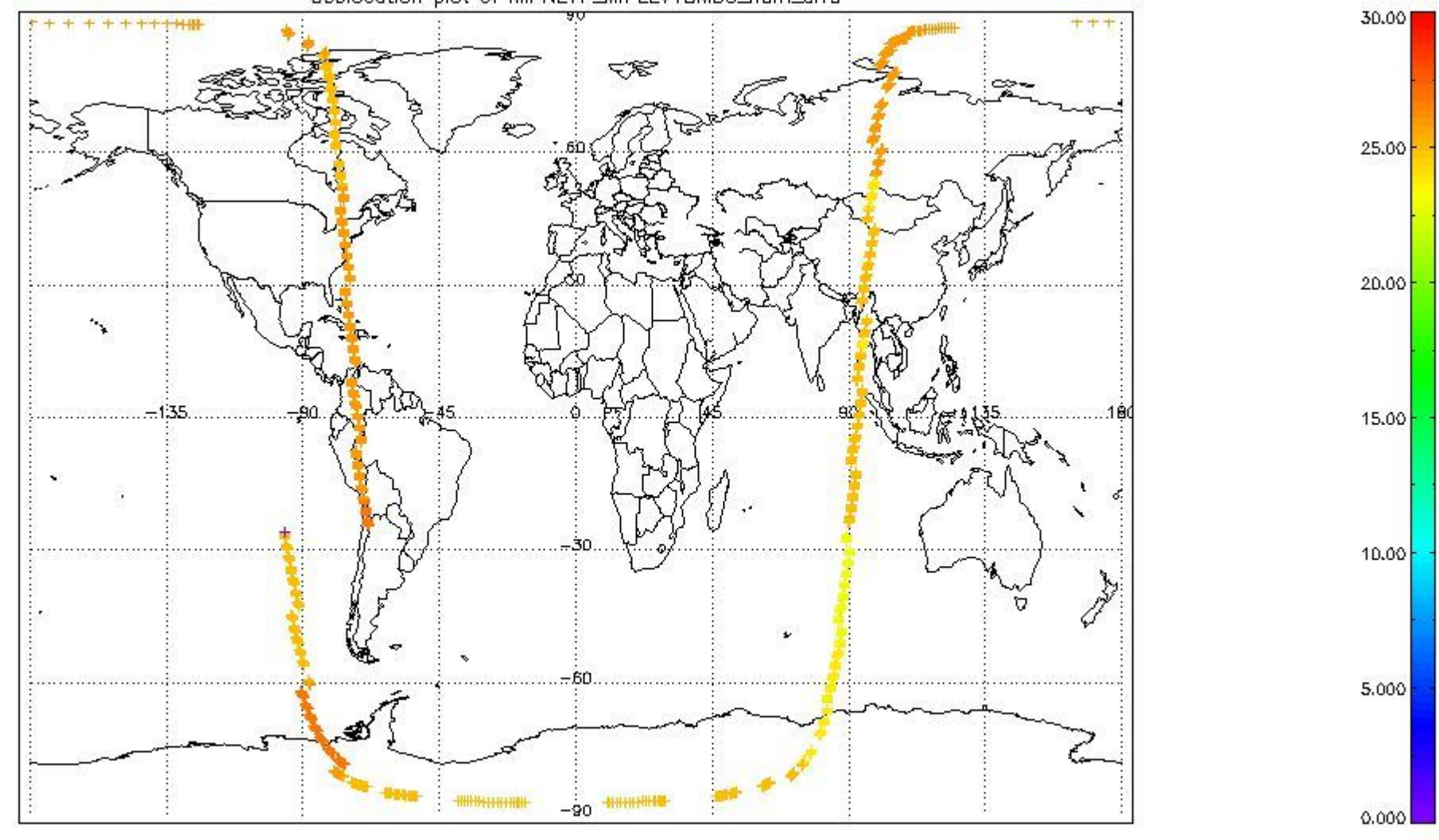


mipas_daily_report_level1_OFL_MIPAS_4_65_P_20060207_27.PNG

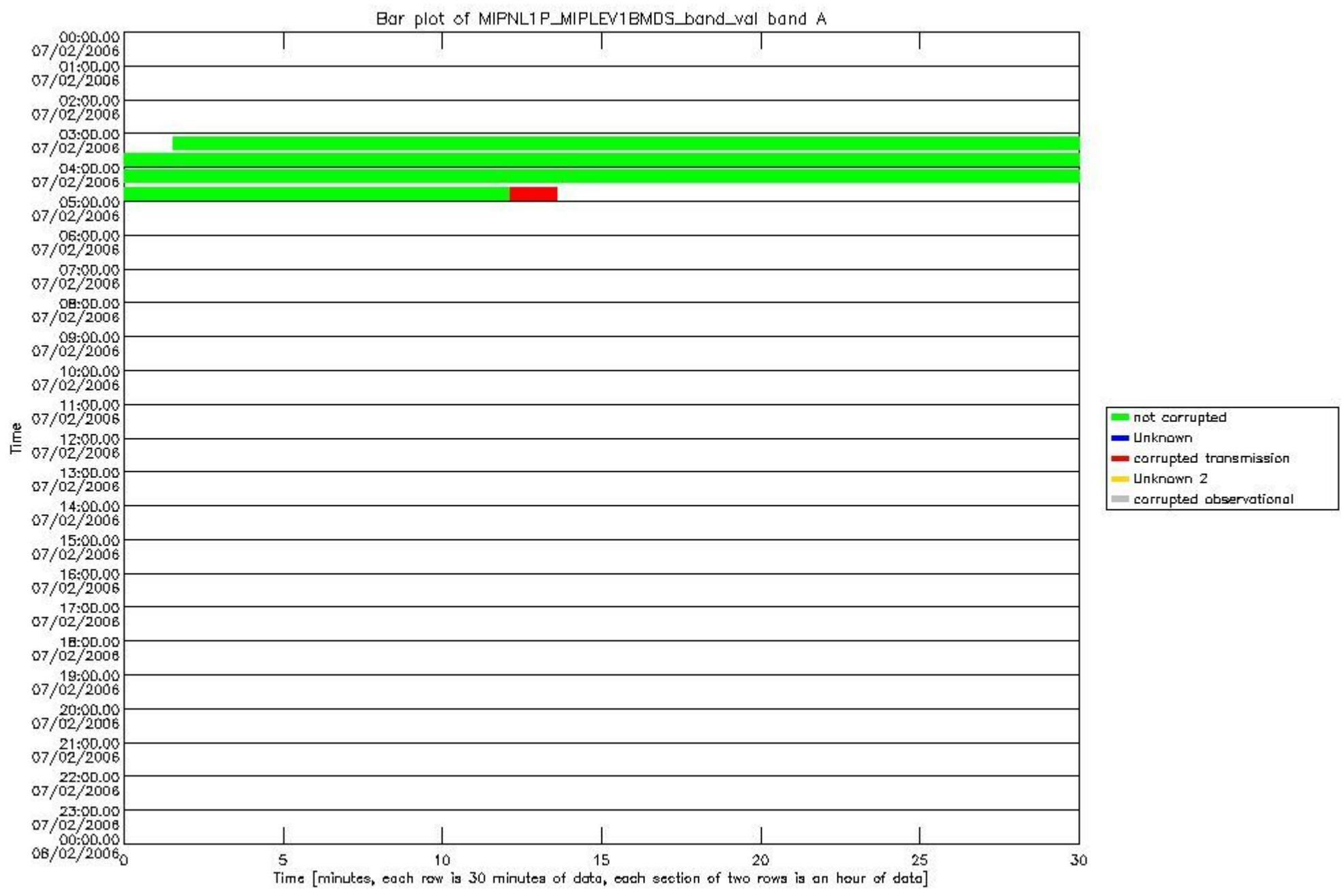


mipas_daily_report_level1_OFL_MIPAS_4_65_P_20060207_28.PNG

Geolocation plot of MIPNL1P_MIPLEV1BMDS_num_errs

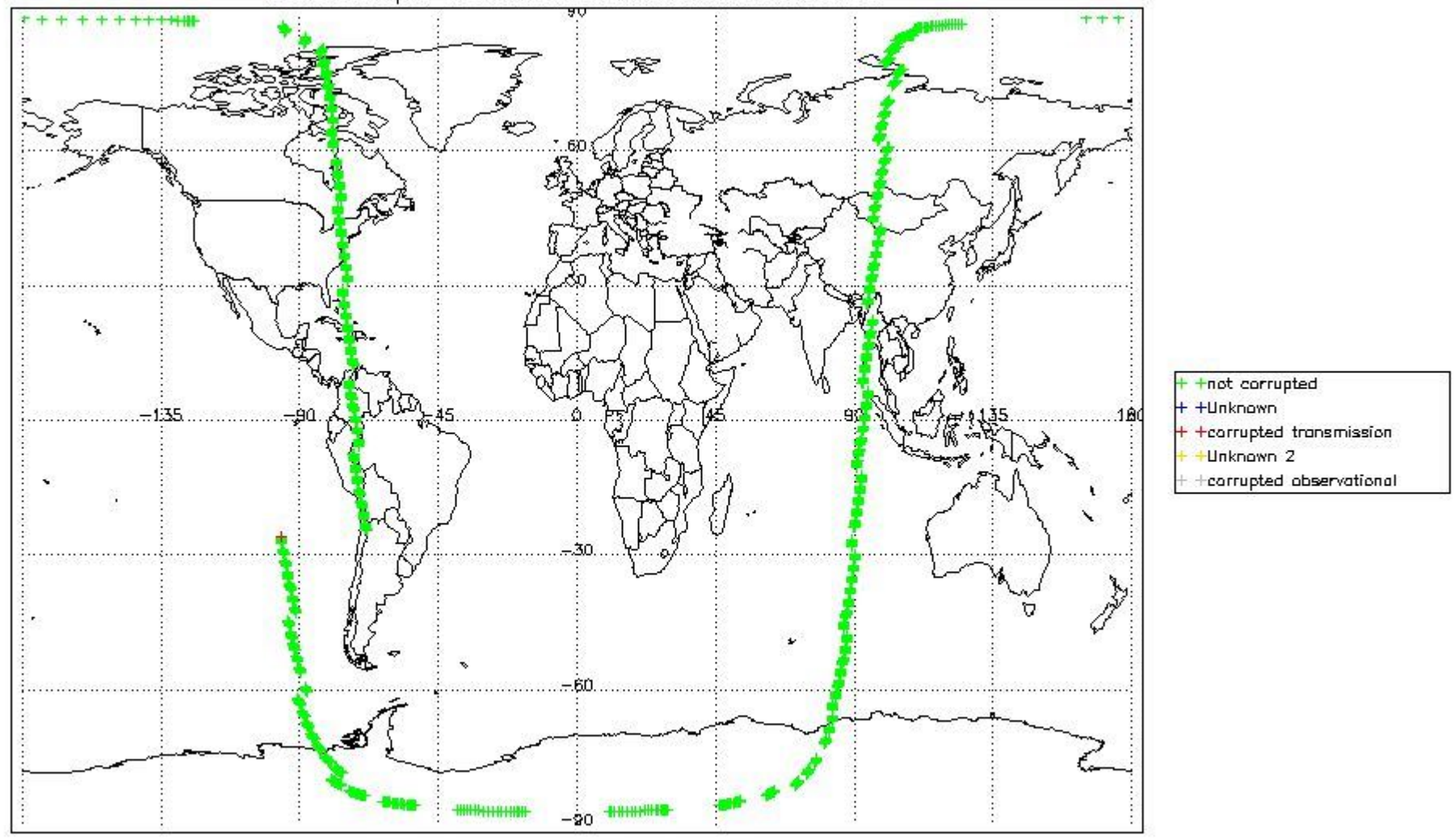


mipas_daily_report_level1_OFI_MIPAS_4_65_P_20060207_29.PNG



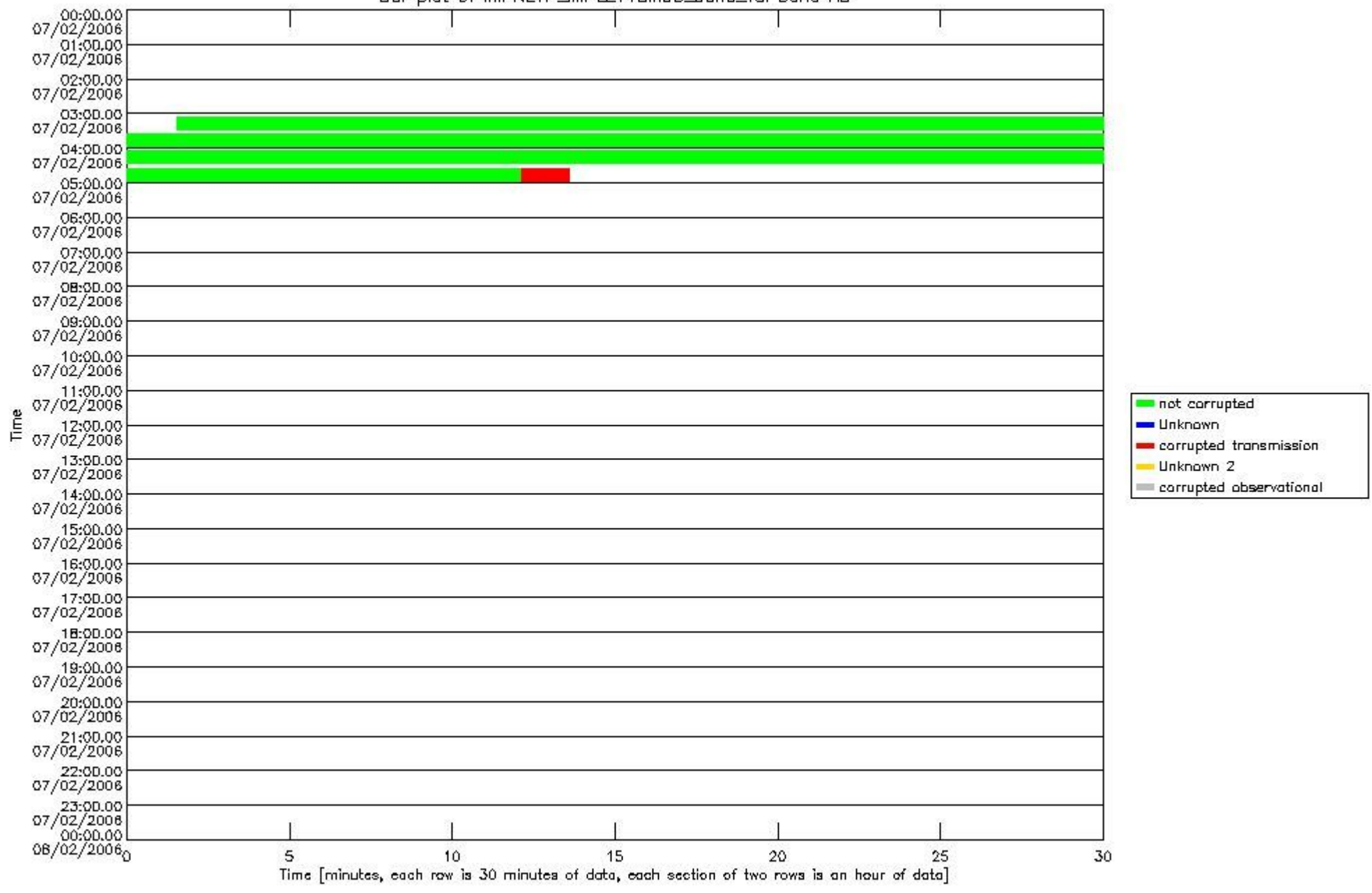
mipas_daily_report_level1_OFI_MIPAS_4_65_P_20060207_30.PNG

Geolocation plot of MIPNL1P_MIPLEV1BMDS_band_val band A

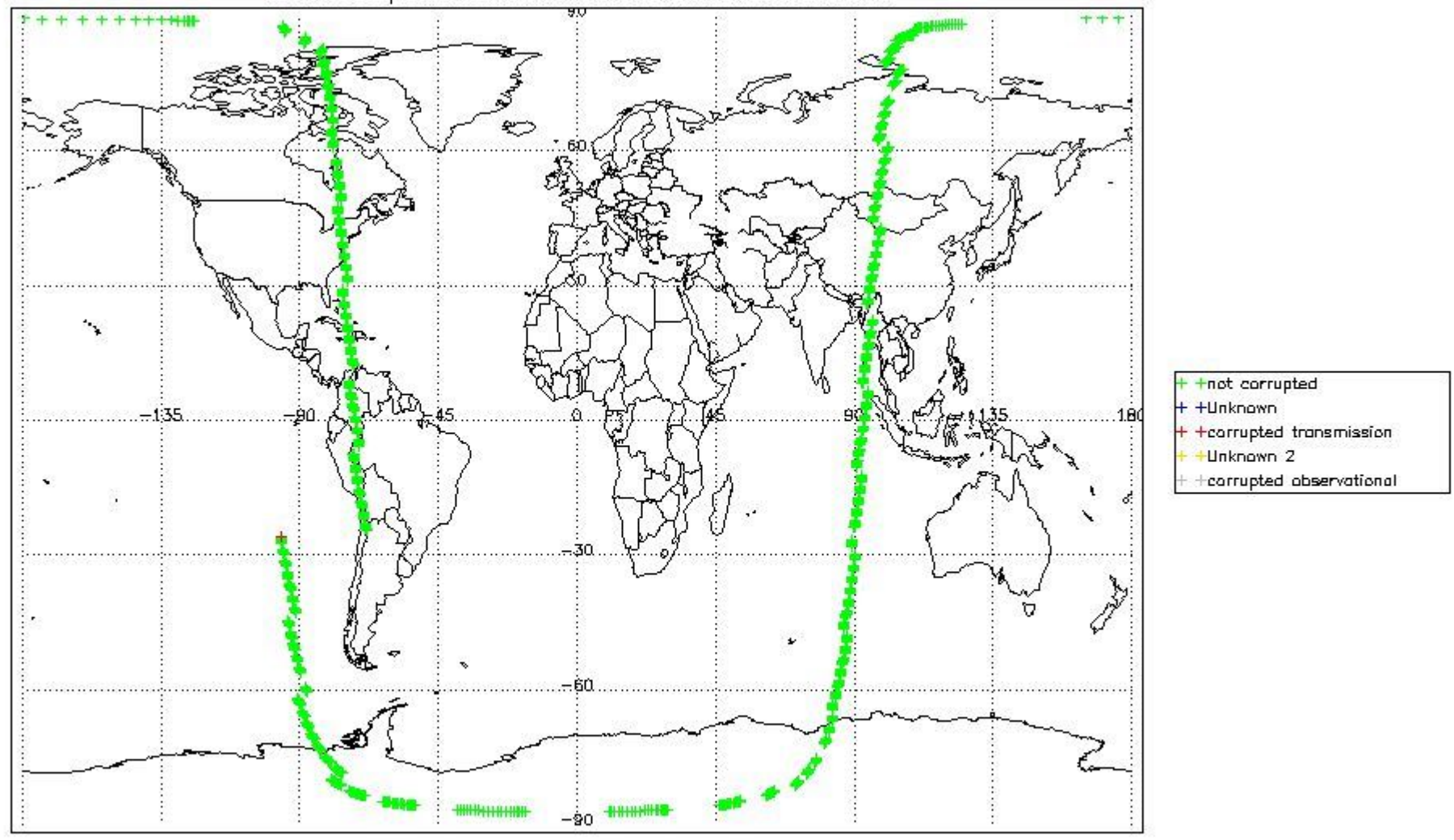


mipas_daily_report_level1_OFL_MIPAS_4_65_P_20060207_31.PNG

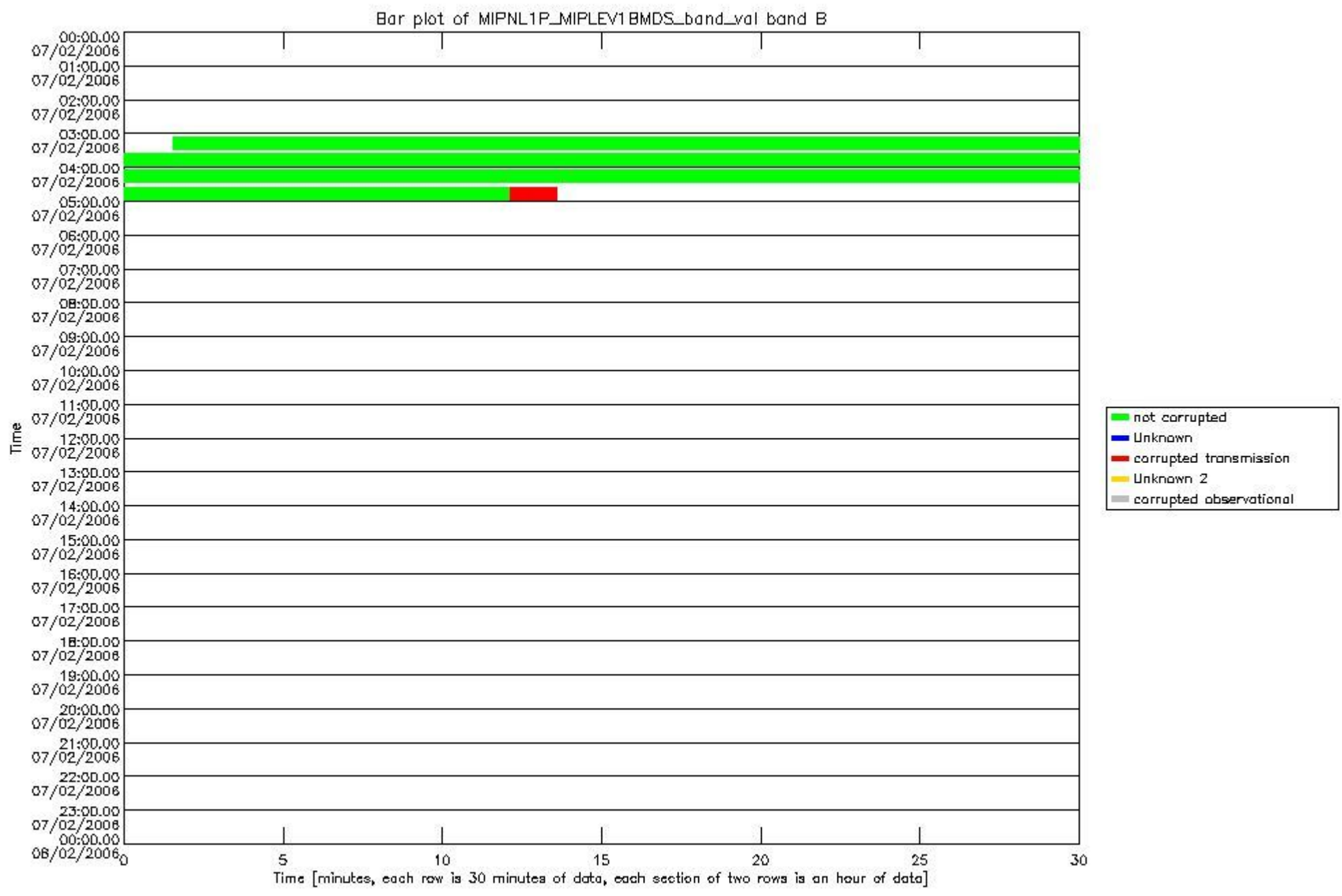
Bar plot of MIPNL1P_MIPLEV1BMDS_band_val band AB



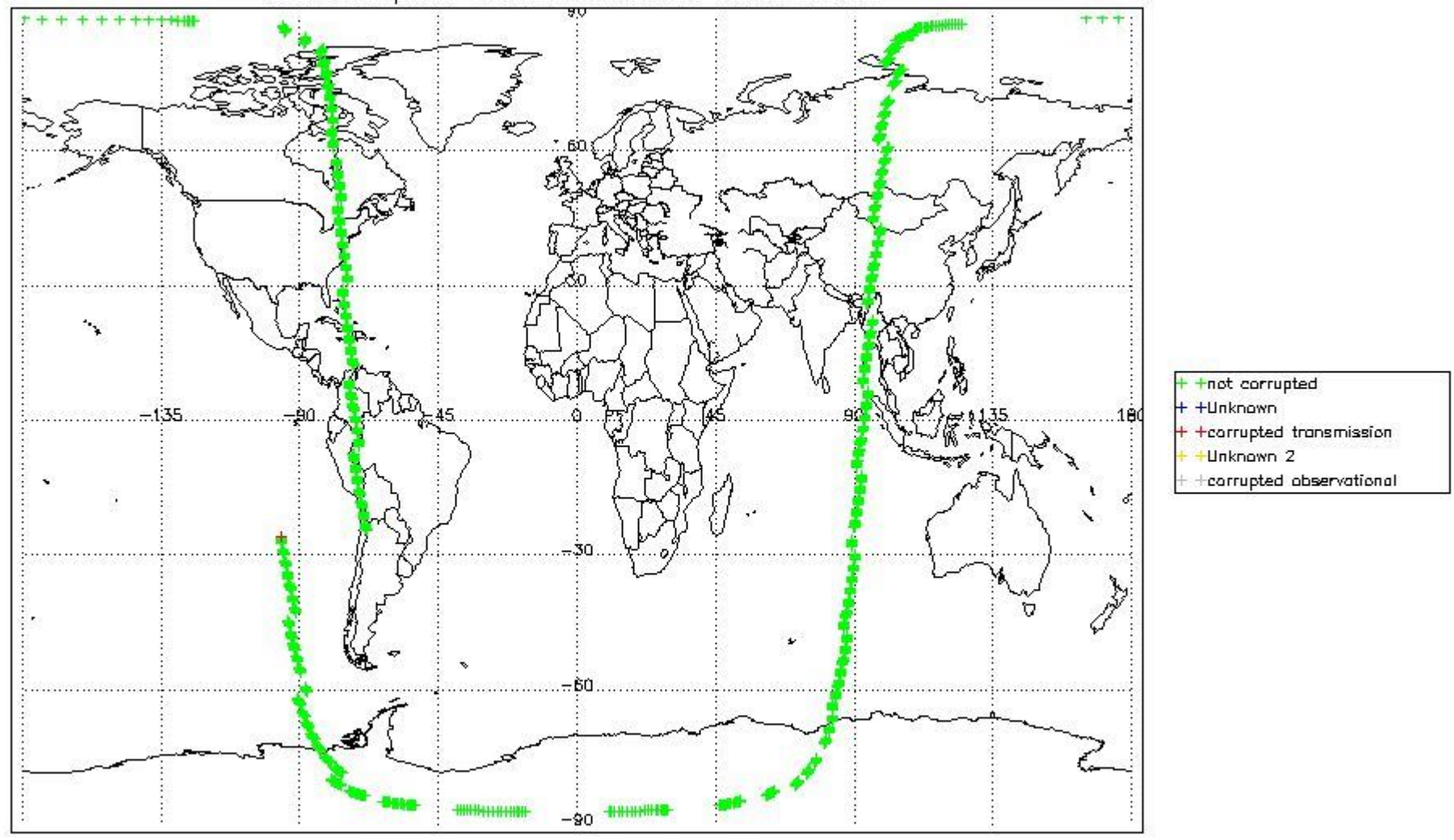
Geolocation plot of MIPNL1P_MIPLEV1BMDS_band_val band AB



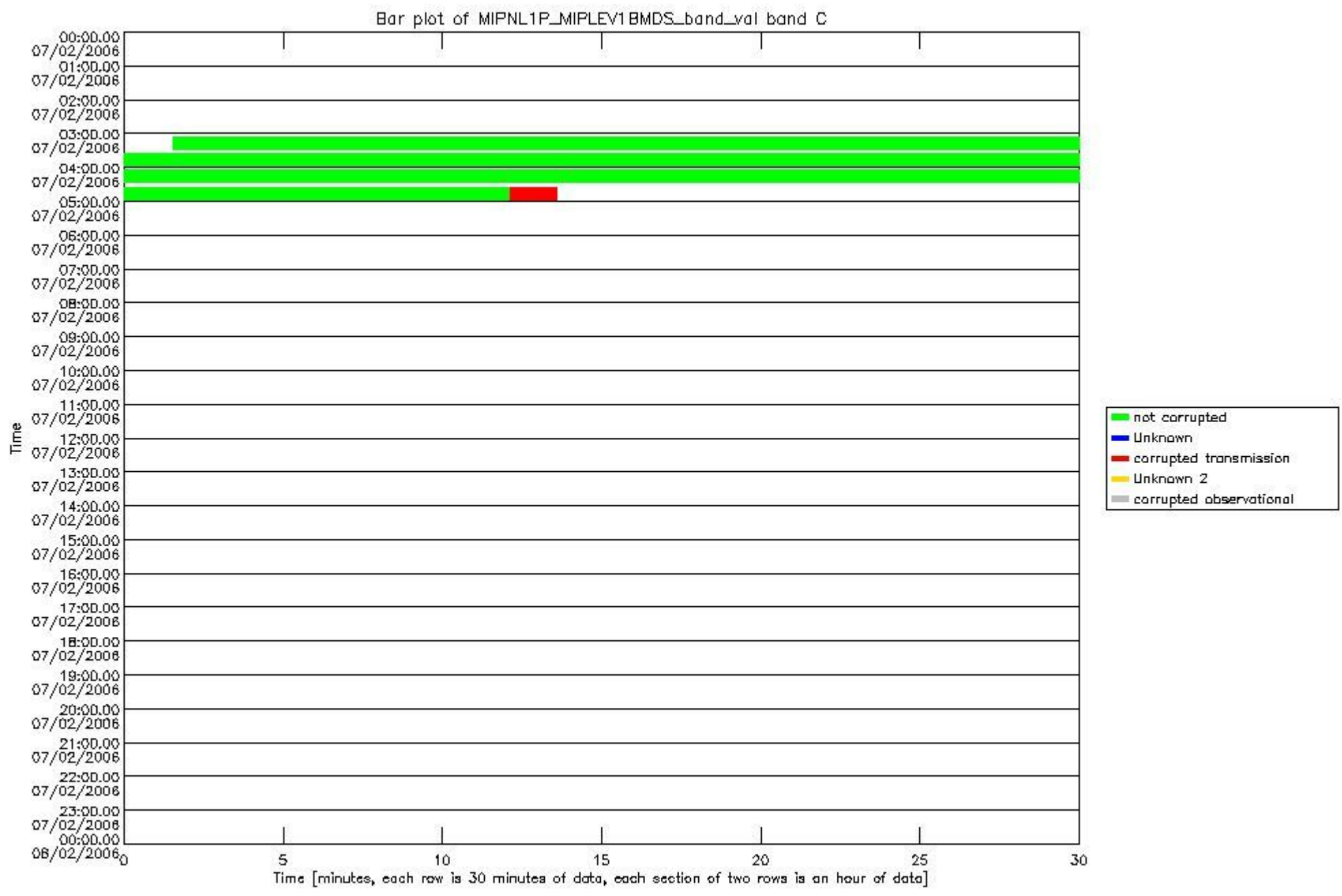
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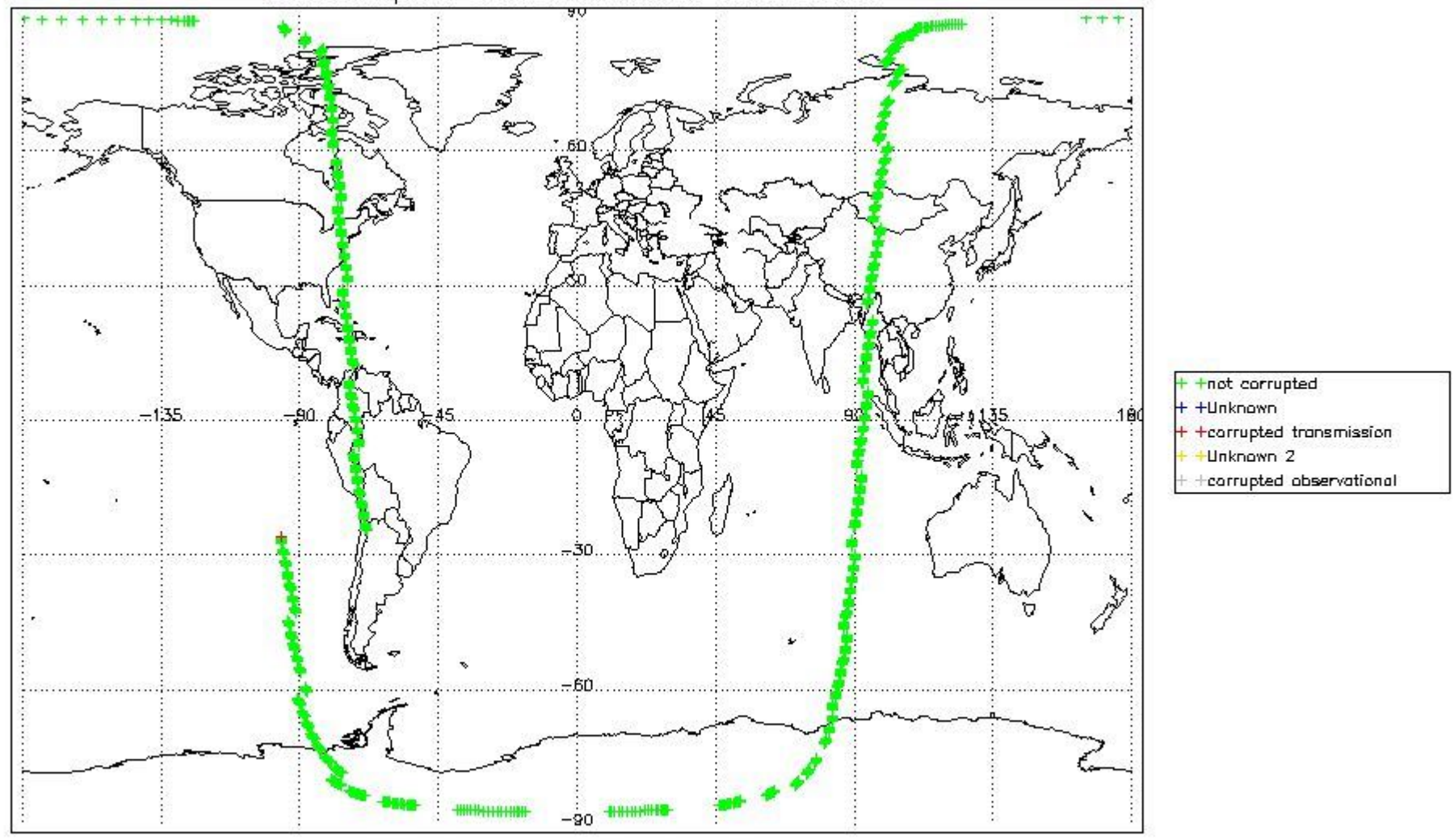
Geolocation plot of MIPNL1P_MIPLEV1BMDS_band_val band B



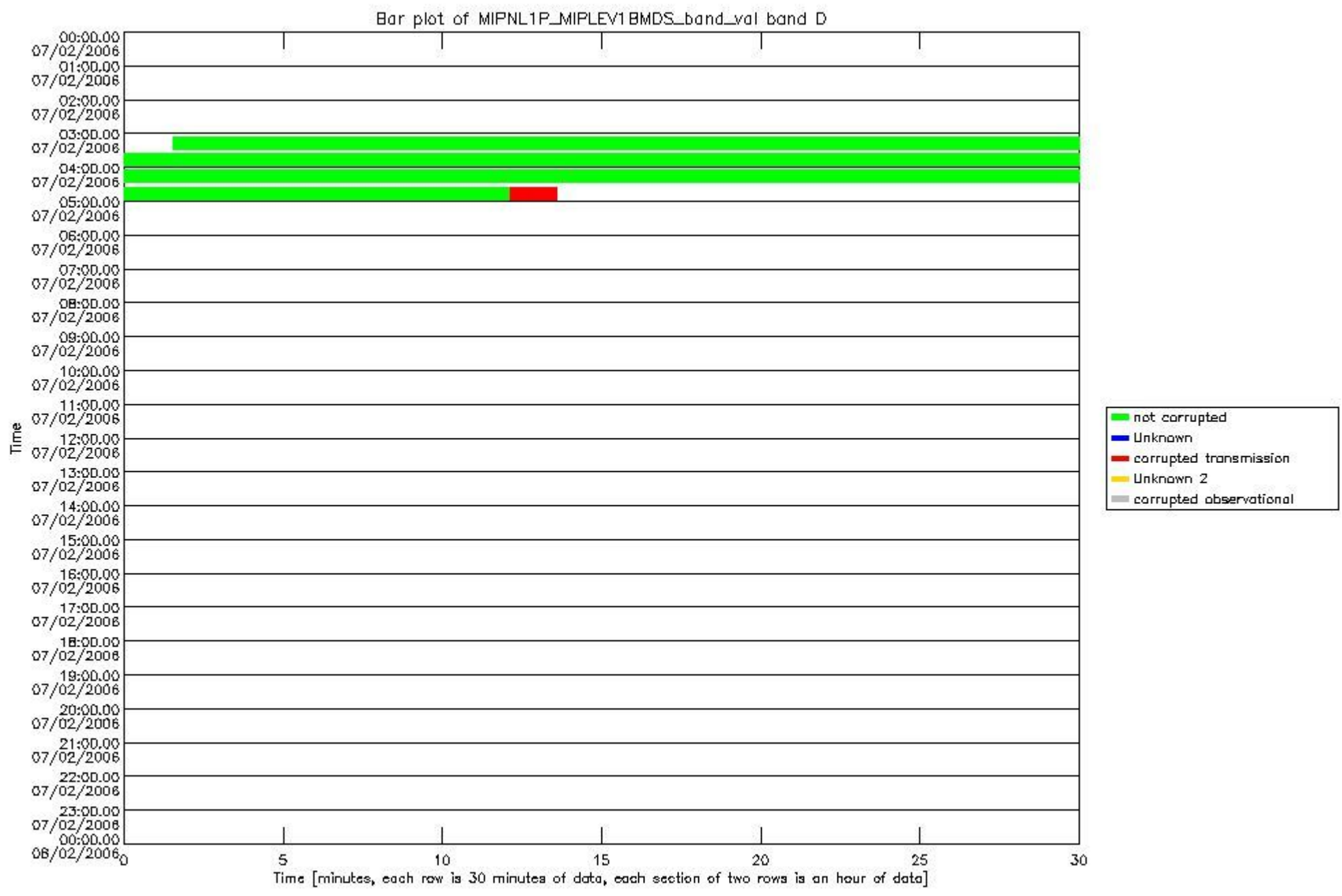
mipas_daily_report_level1_OFL_MIPAS_4_65_P_20060207_35.PNG



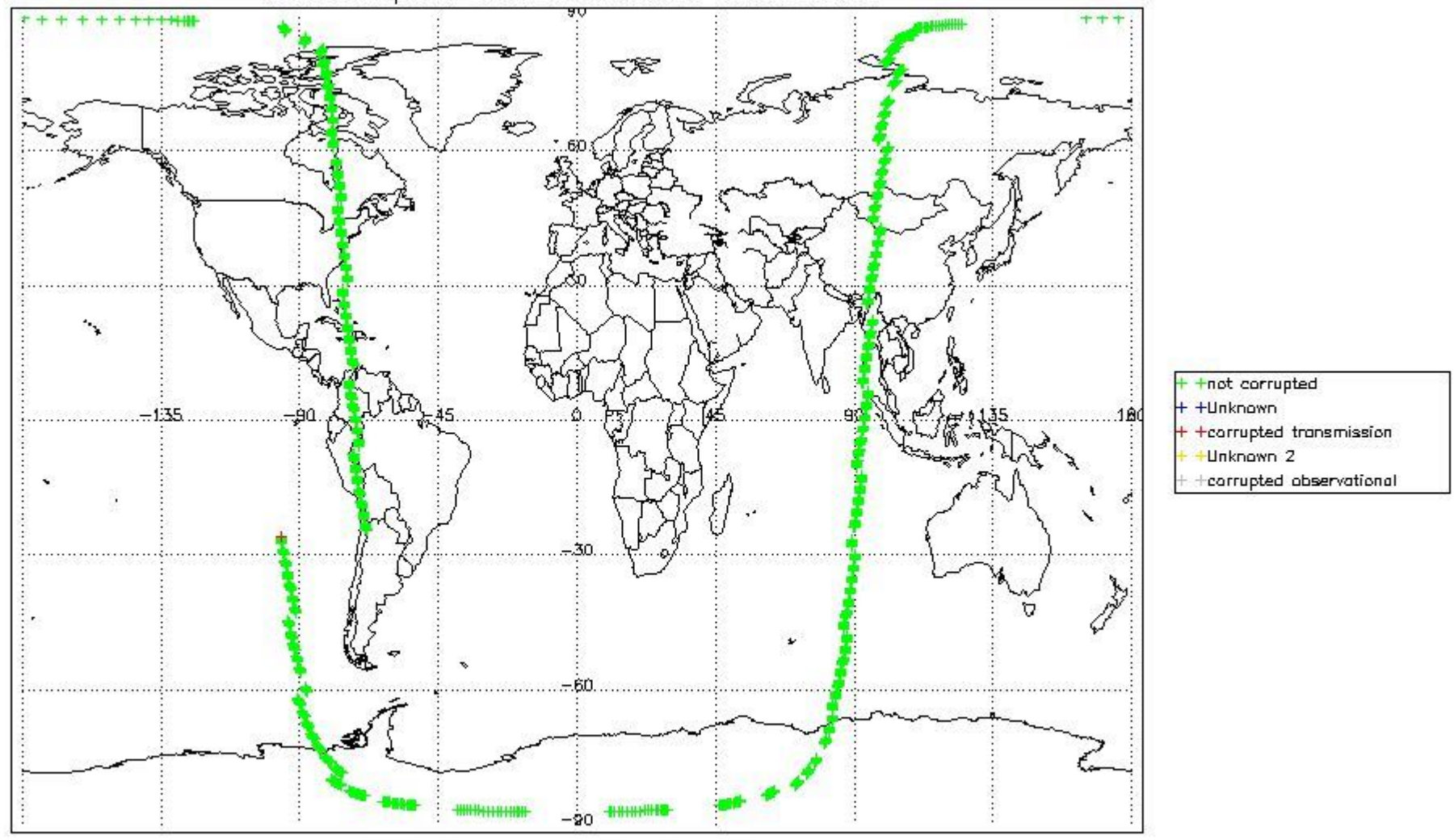
Geolocation plot of MIPNL1P_MIPLEV1BMDS_band_val band C



mipas_daily_report_level1_OFL_MIPAS_4_65_P_20060207_37.PNG

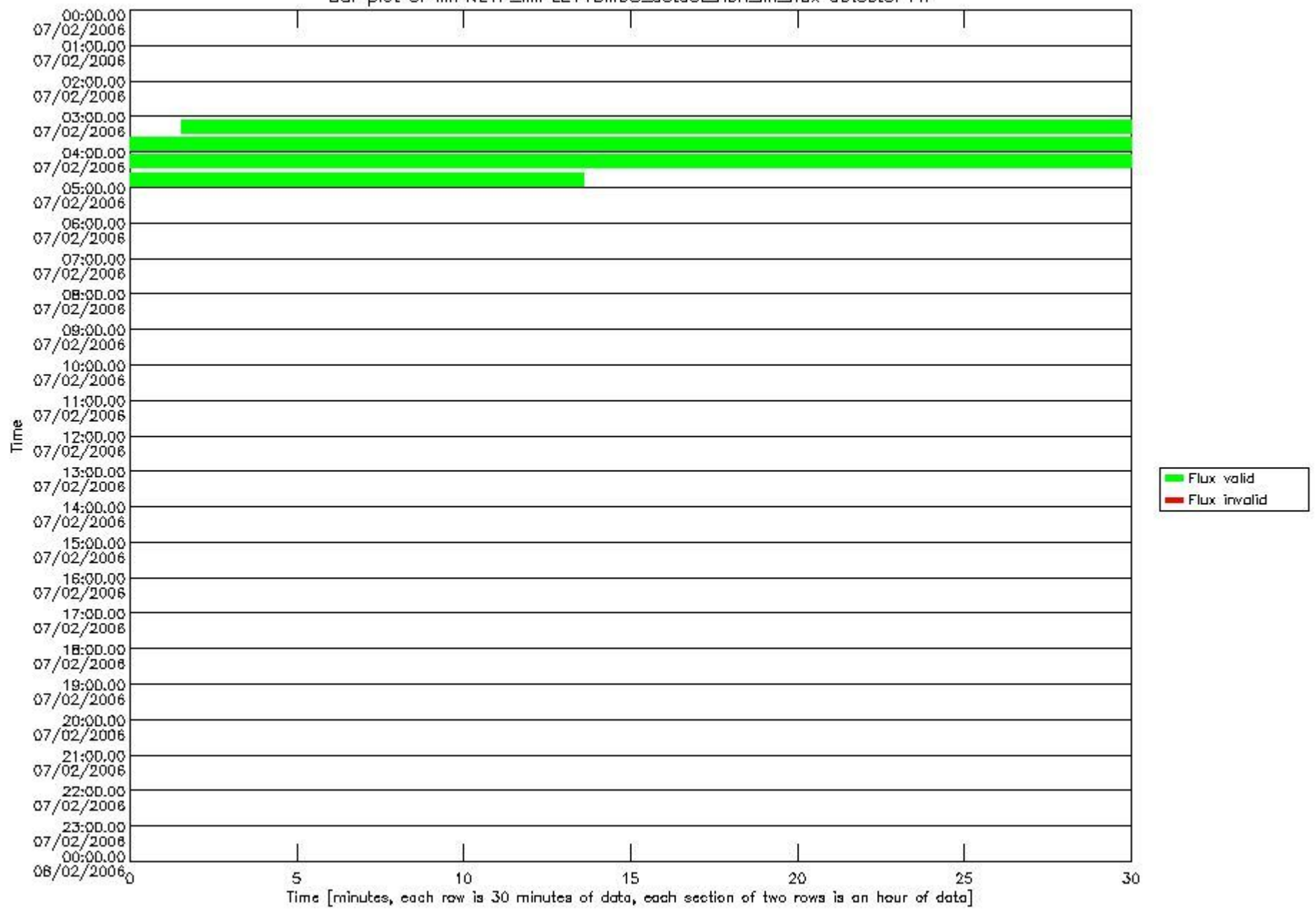


Geolocation plot of MIPNL1P_MIPLEV1BMDS_band_val band D

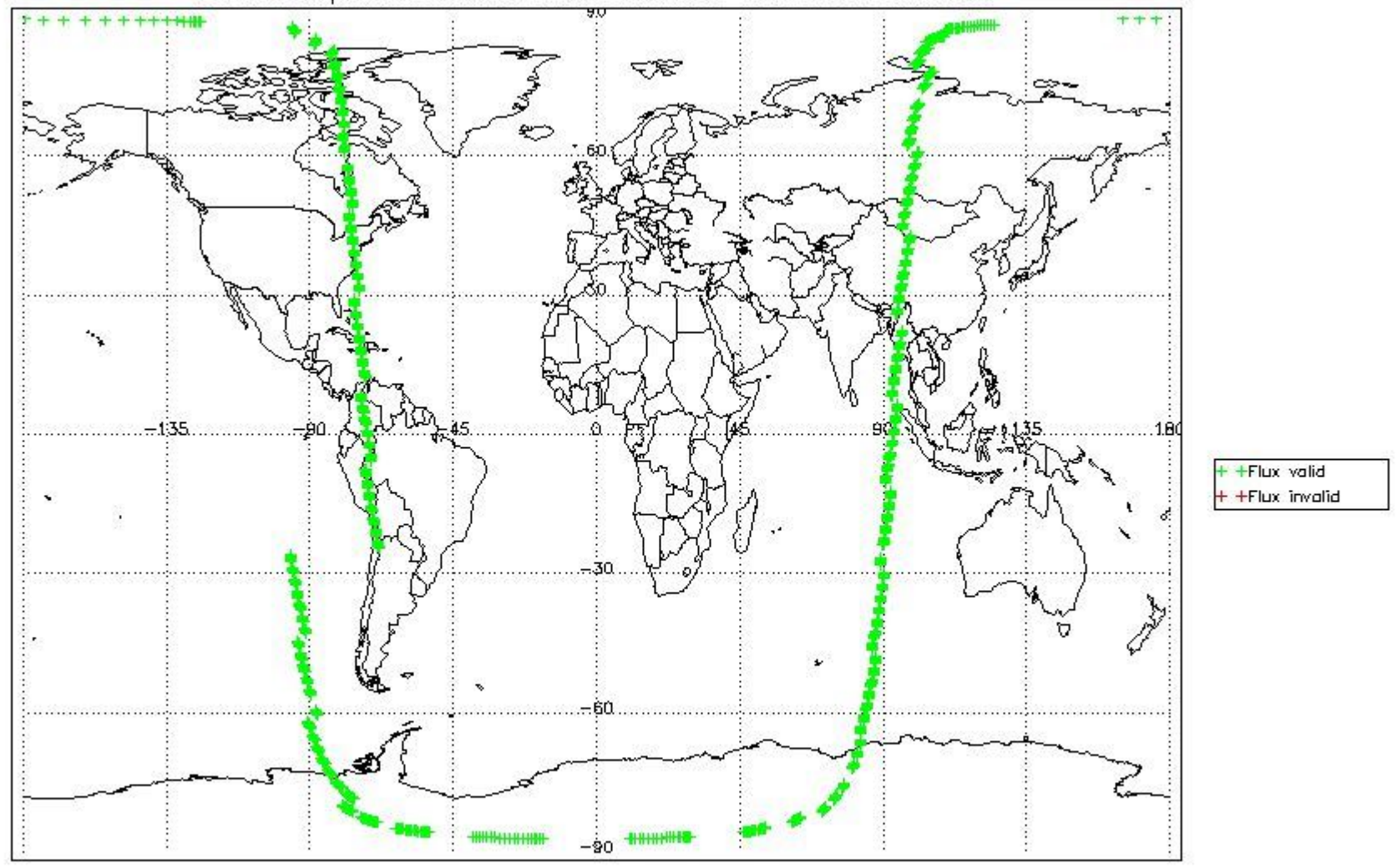


mipas_daily_report_level1_OFI_MIPAS_4_65_P_20060207_39.PNG

Bar plot of MIPNL1P_MIPLEV1BMDS_detect_non_jin_flux detector A1

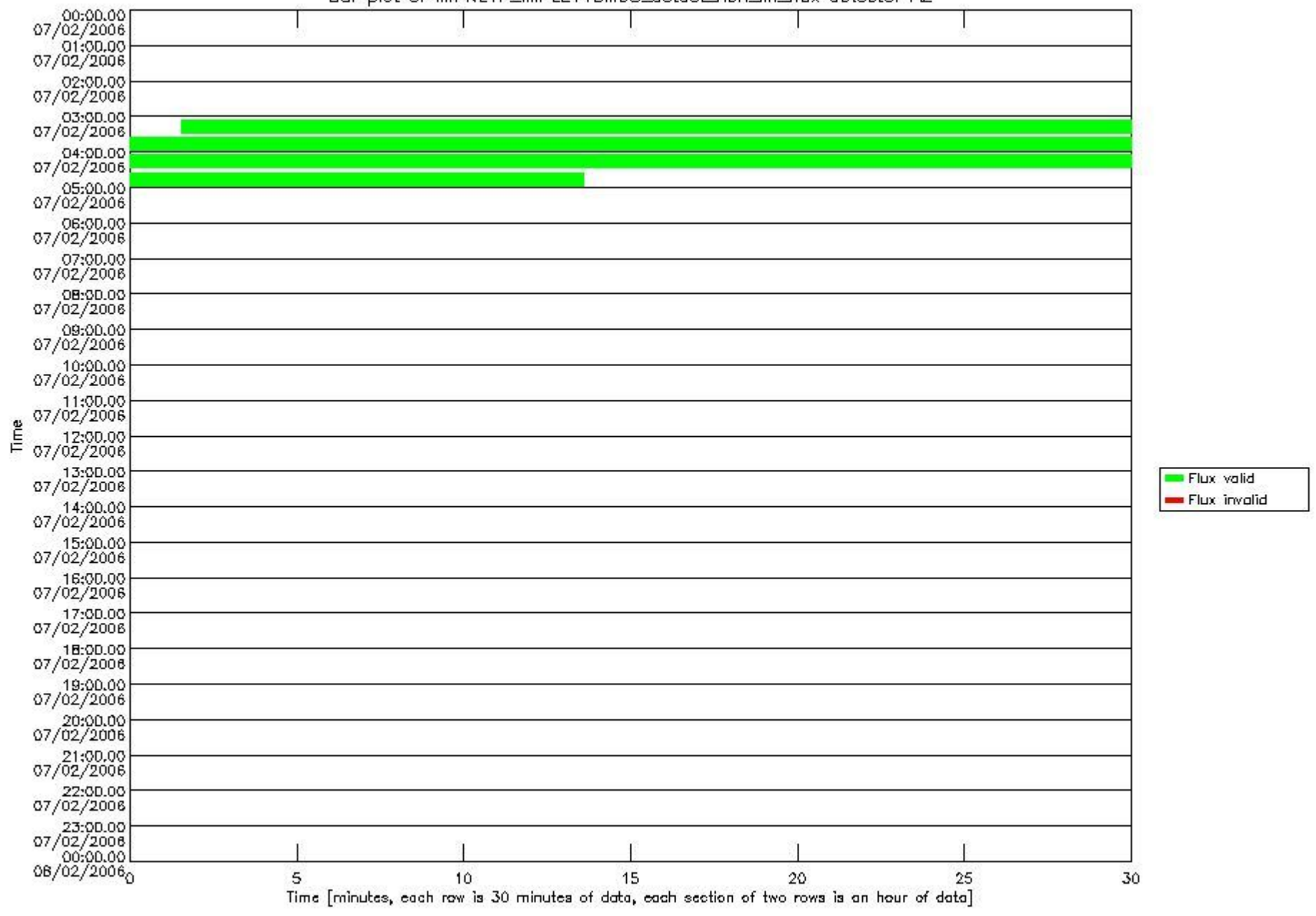


Geolocation plot of MIPNL1P_MIPLEV1BMDS_detect_non_in_flux detector A1

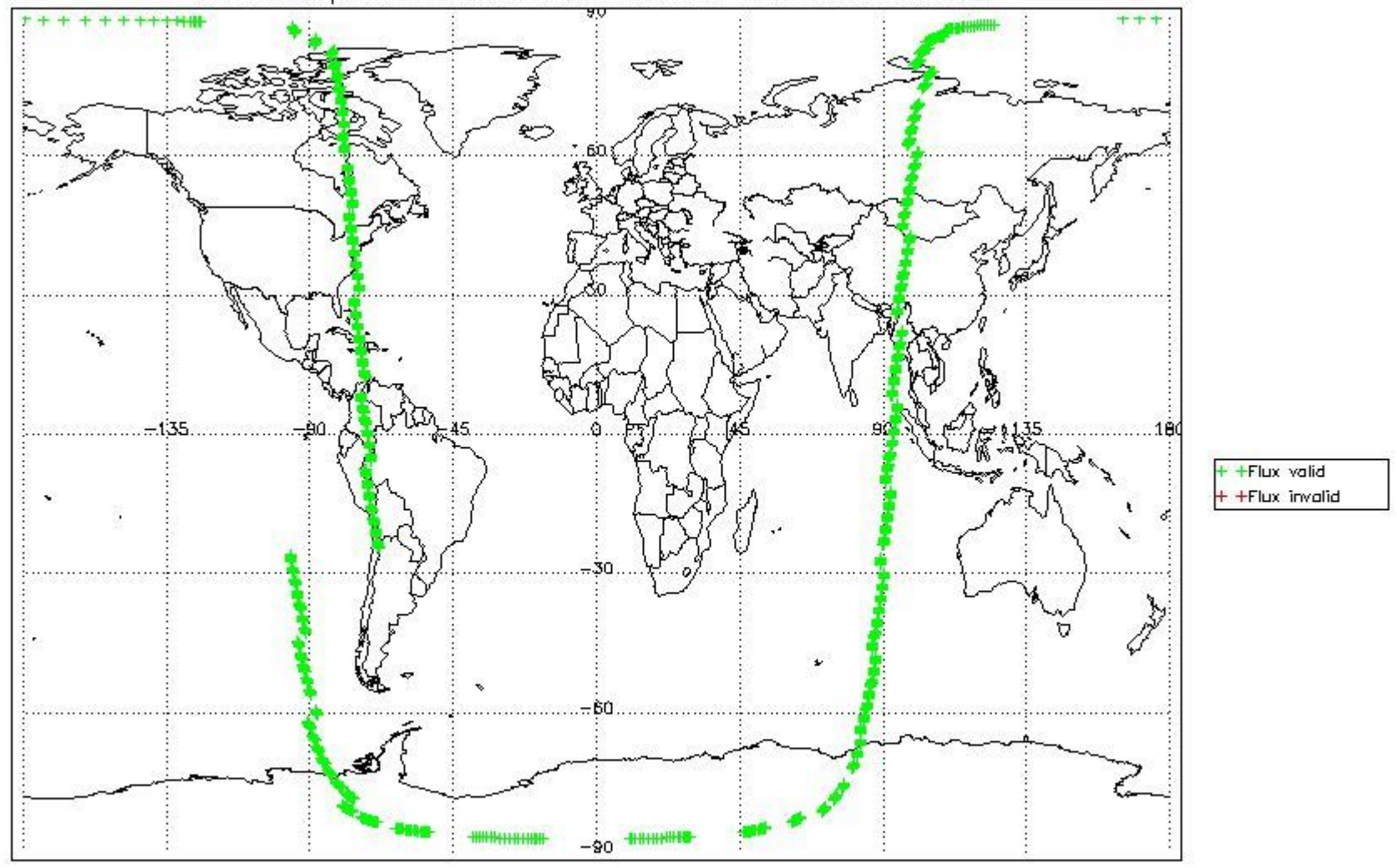


mipas_daily_report_level1_OFL_MIPAS_4_65_P_20060207_41.PNG

Bar plot of MIPNL1P_MIPLEV1BMDS_detect_non_jin_flux detector A2

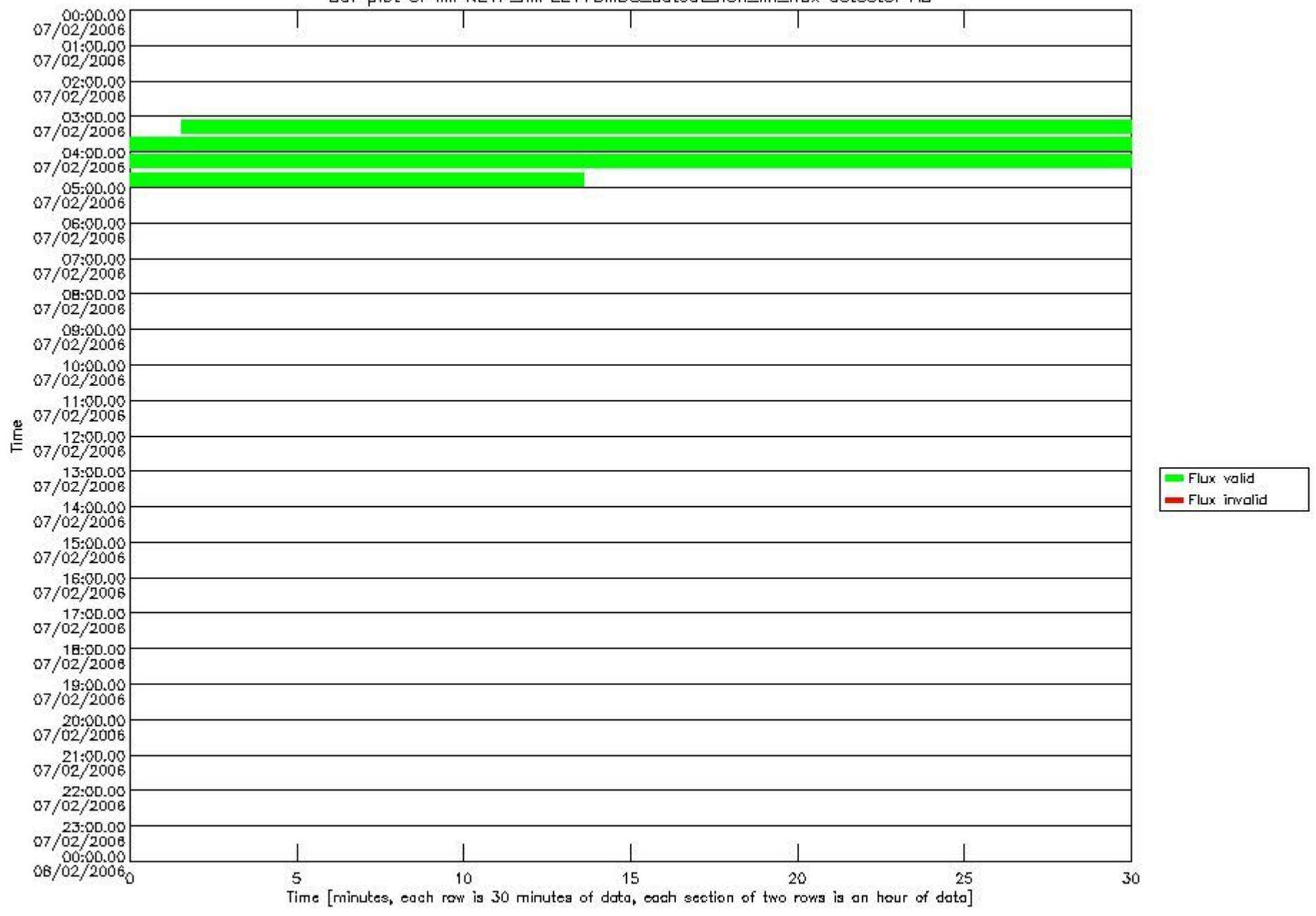


Geolocation plot of MIPNL1P_MIPLEV1BMDS_detect_non_jin_flux detector A2

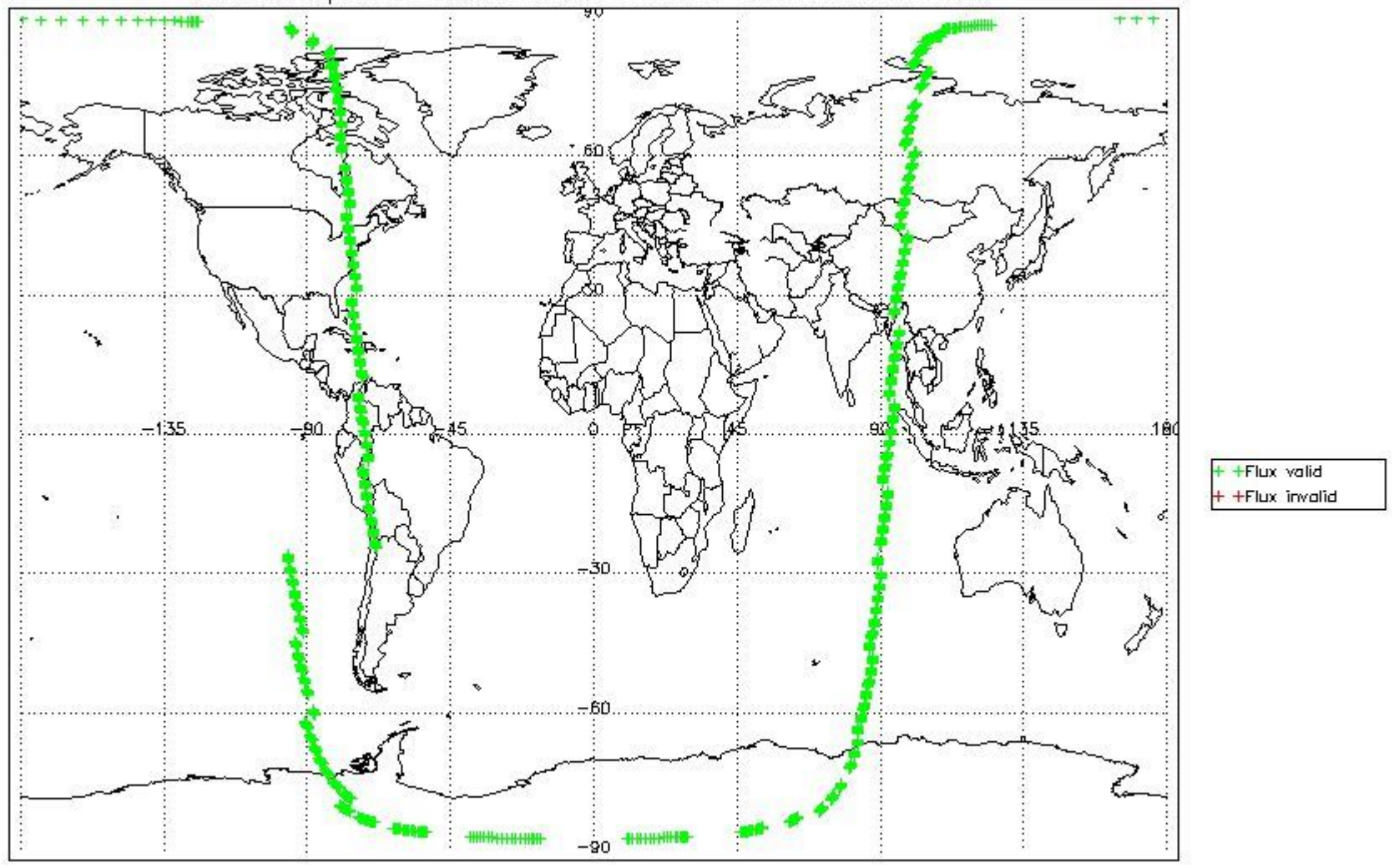


mipas_daily_report_level1_OFL_MIPAS_4_65_P_20060207_43.PNG

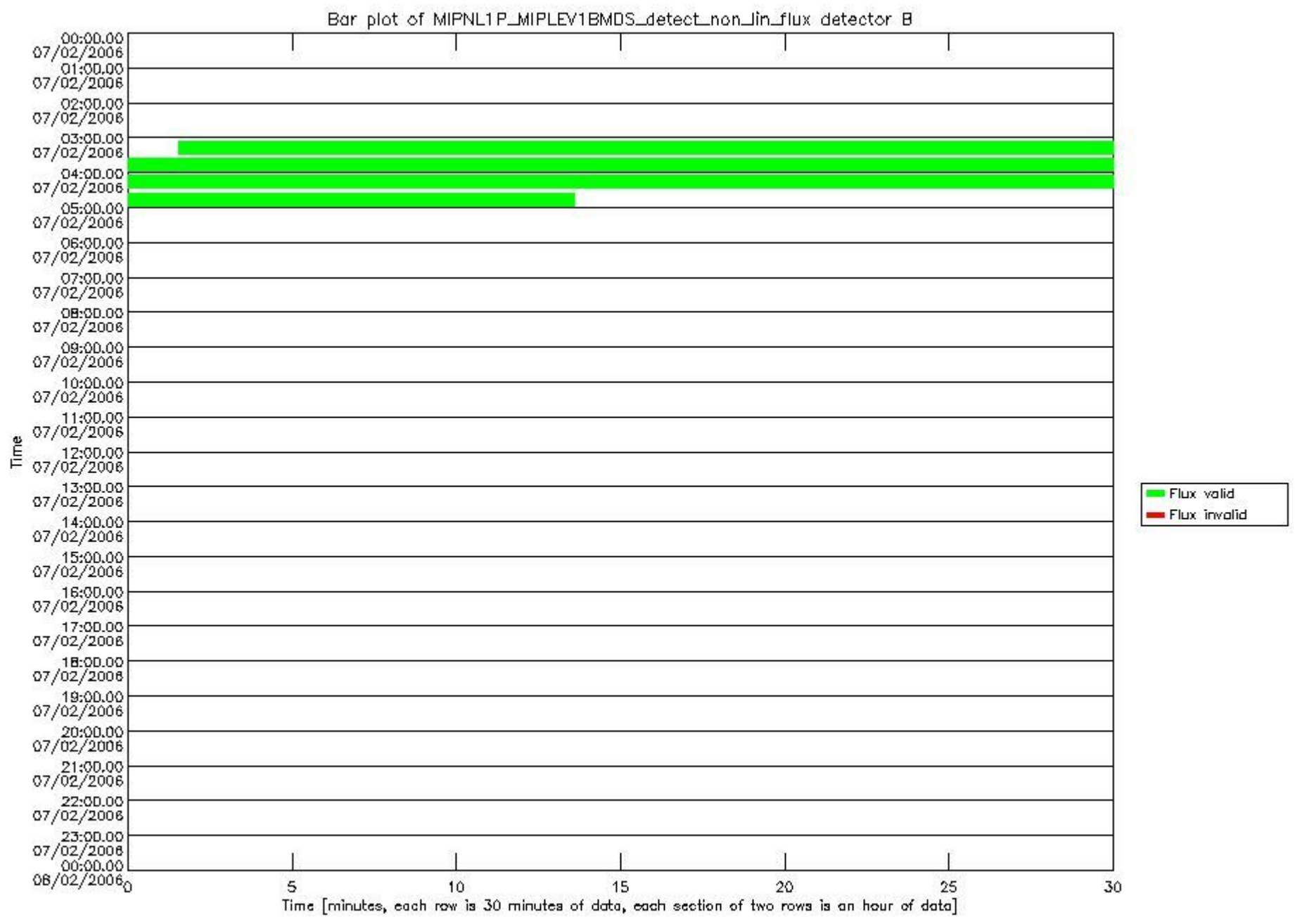
Bar plot of MIPNL1P_MIPLEV1BMDS_detect_non_lin_flux detector AB

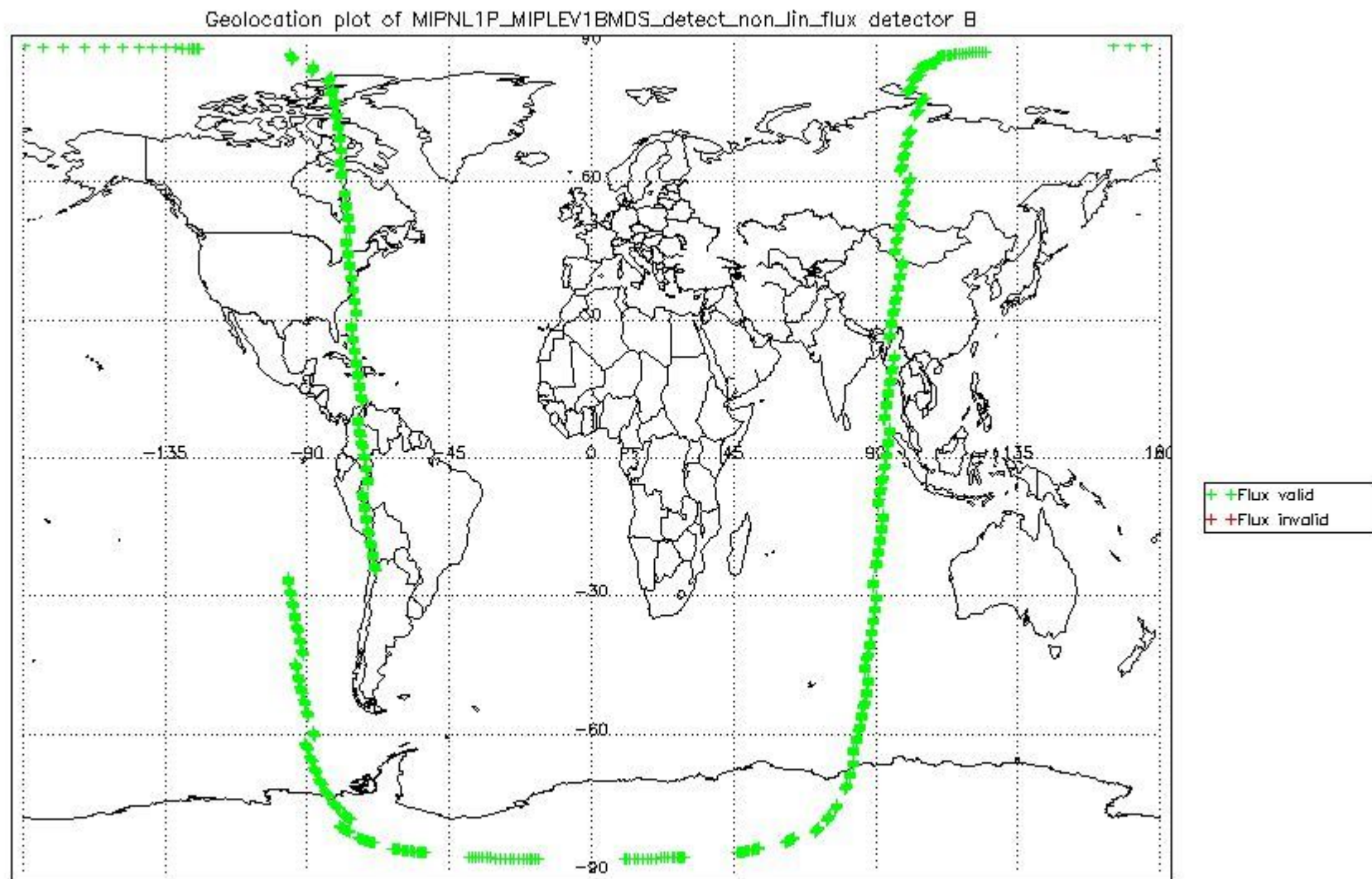


Geolocation plot of MIPNL1P_MIPLEV1BMDS_detect_non_lin_flux detector AB



mipas_daily_report_level1_OFL_MIPAS_4_65_P_20060207_45.PNG





mipas_daily_report_level1_OFL_MIPAS_4_65_P_20060207_47.PNG

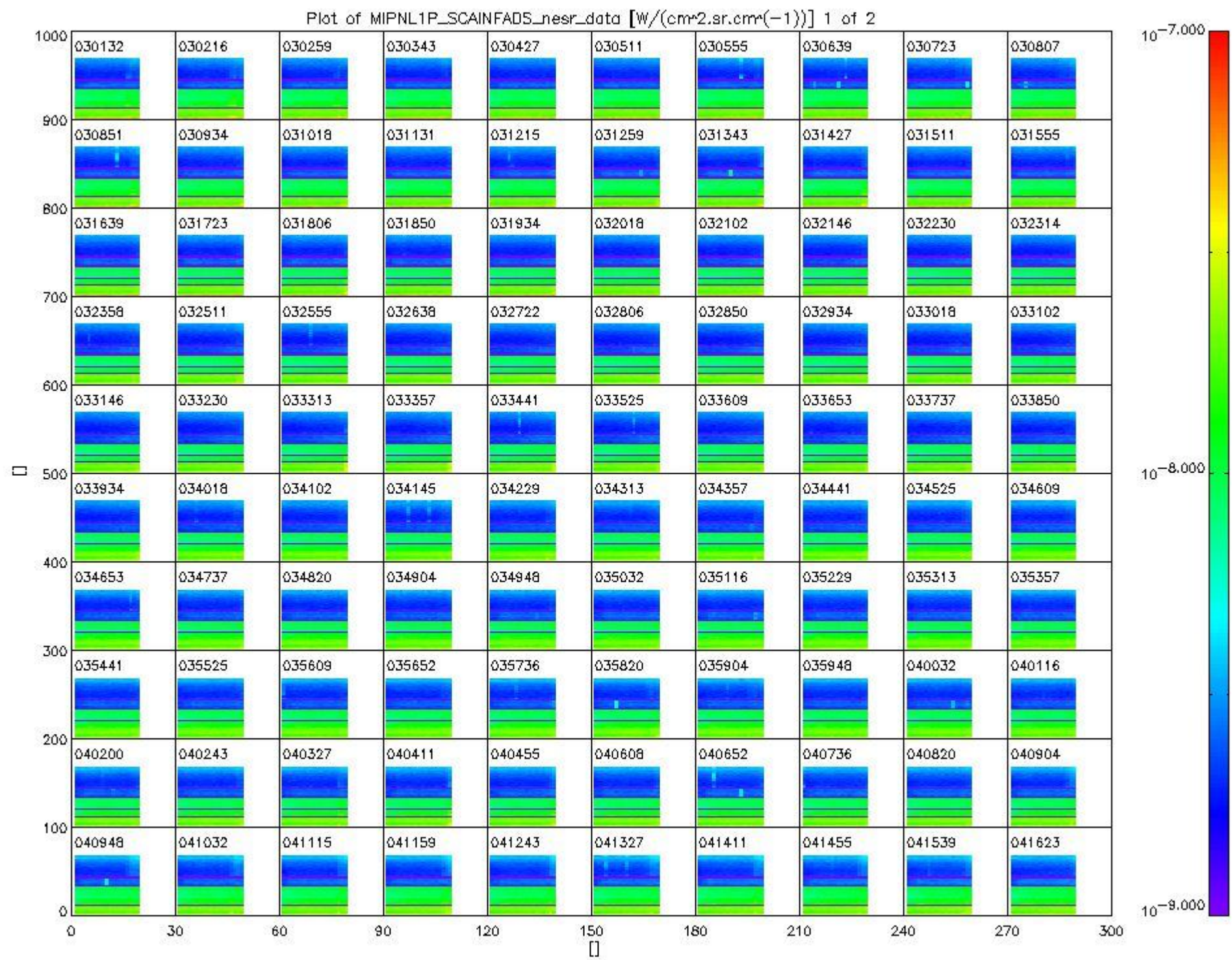
1.2.3 Scan information ADS

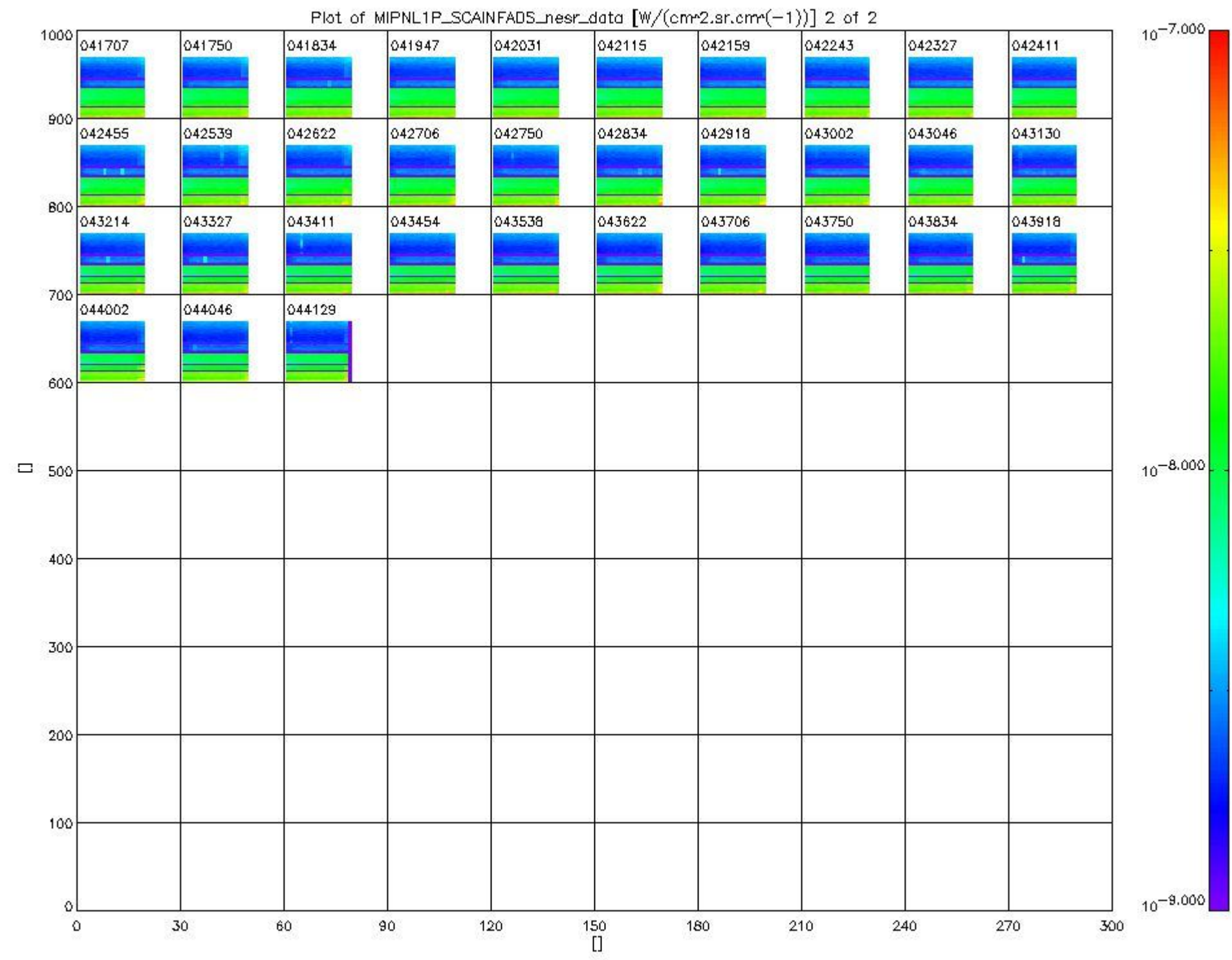
The following plots each contain 100 squares. Each square contains one NESR-scan (from MIPNL1P_SCAINFADS_nesr_data).

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.

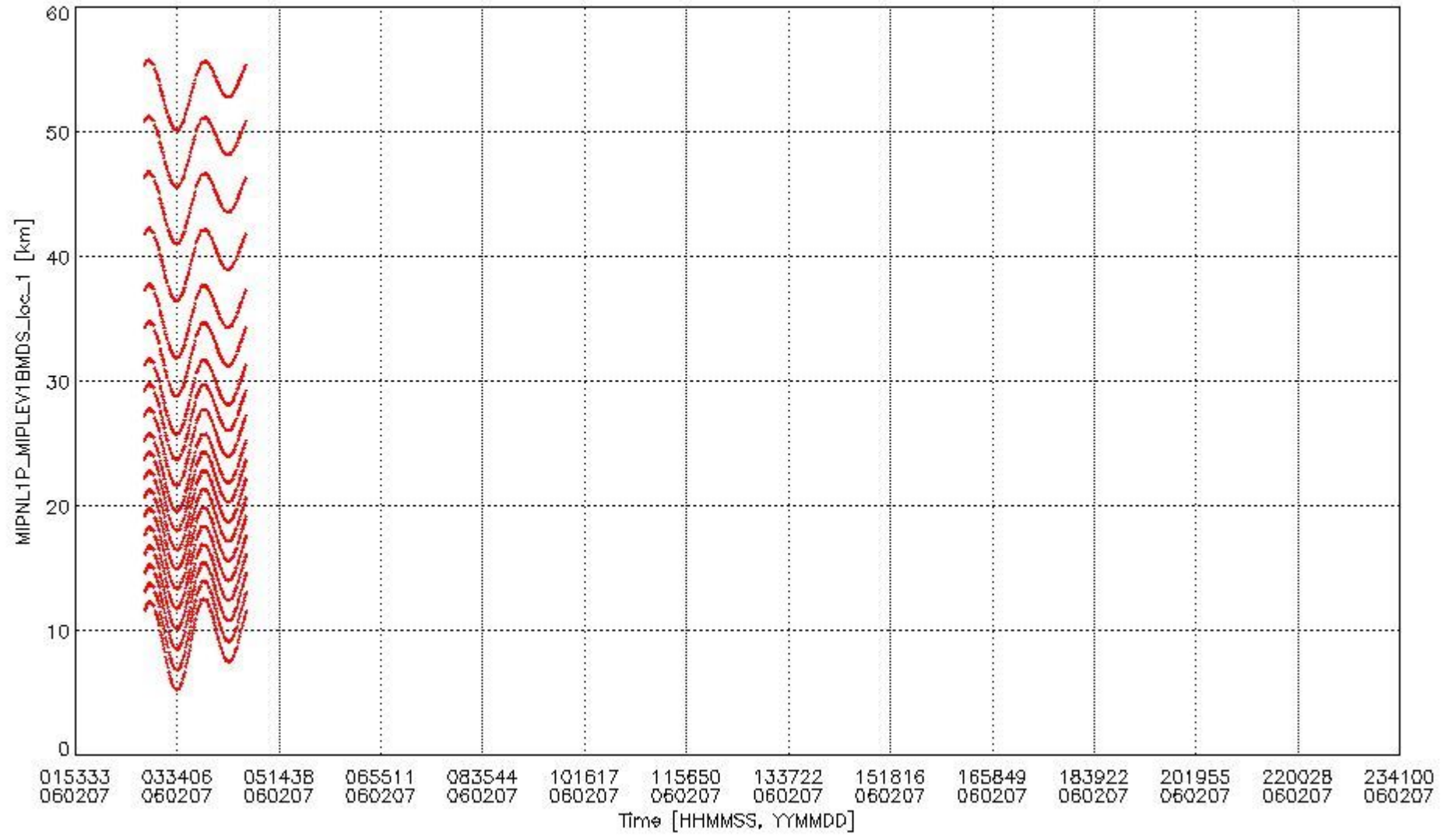




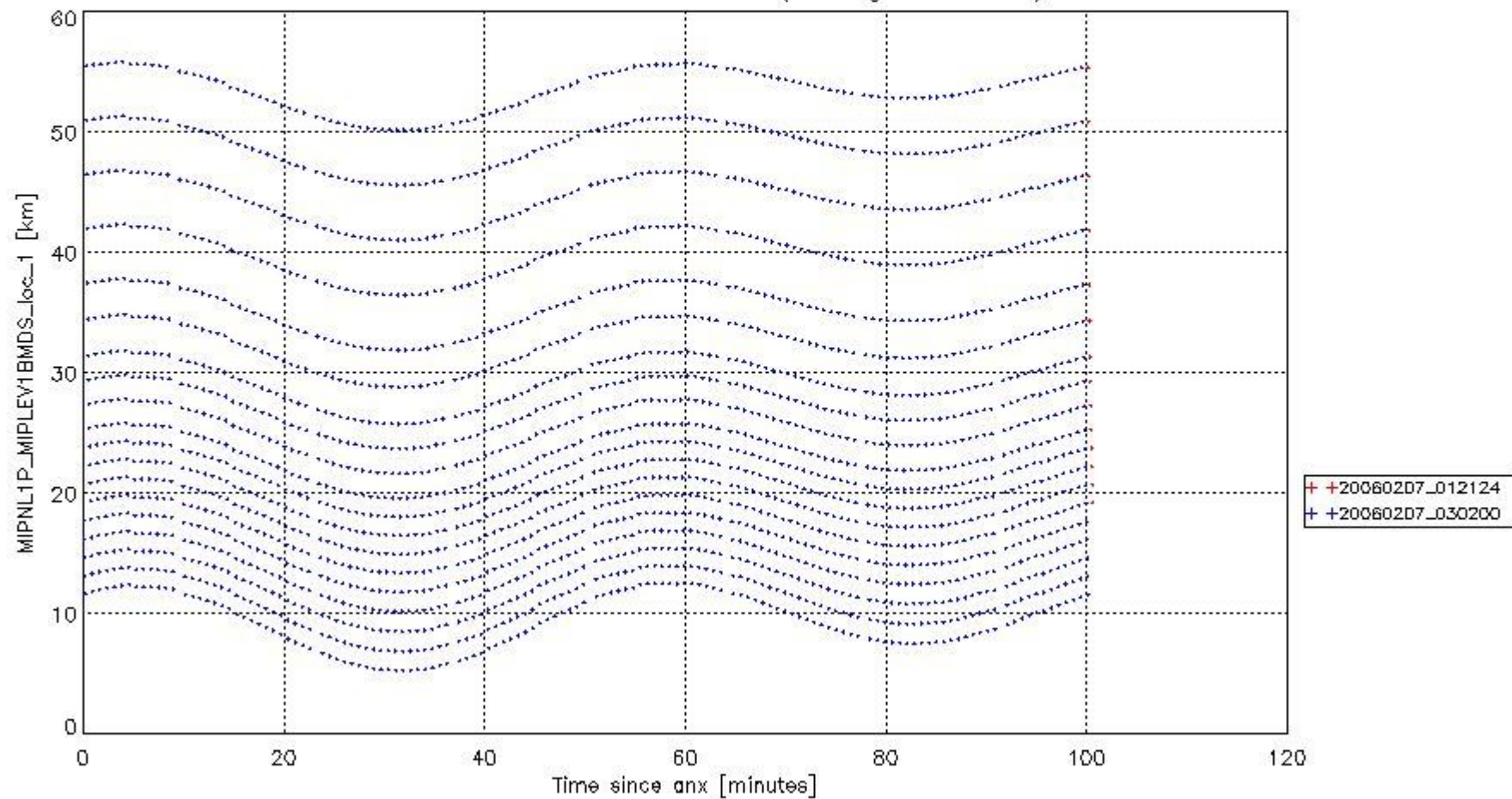
mipas_daily_report_level1_OFL_MIPAS_4_65_P_20060207_49.PNG

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).

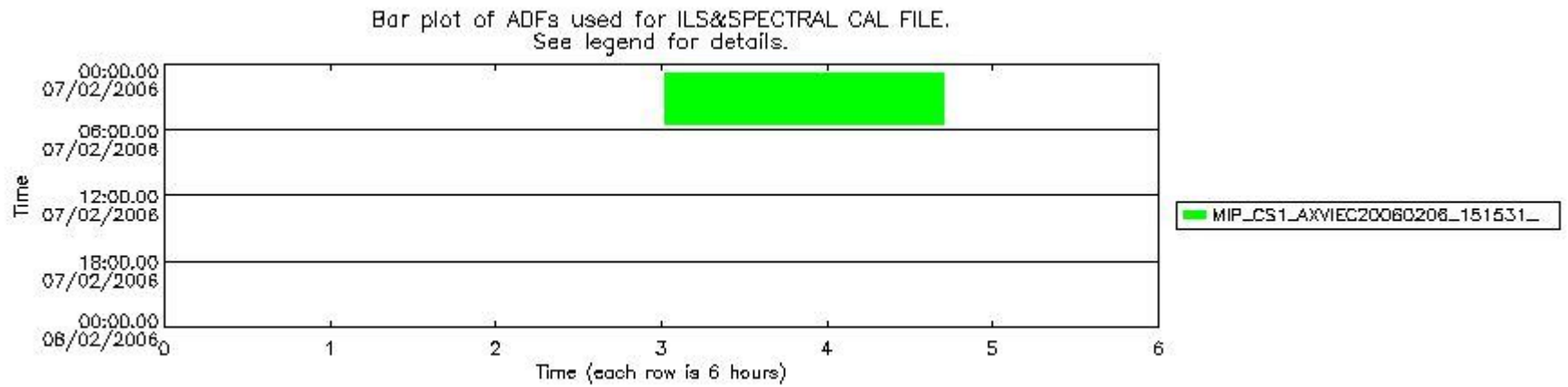


mipas_daily_report_level1_OFL_MIPAS_4_65_P_20060207_51.PNG

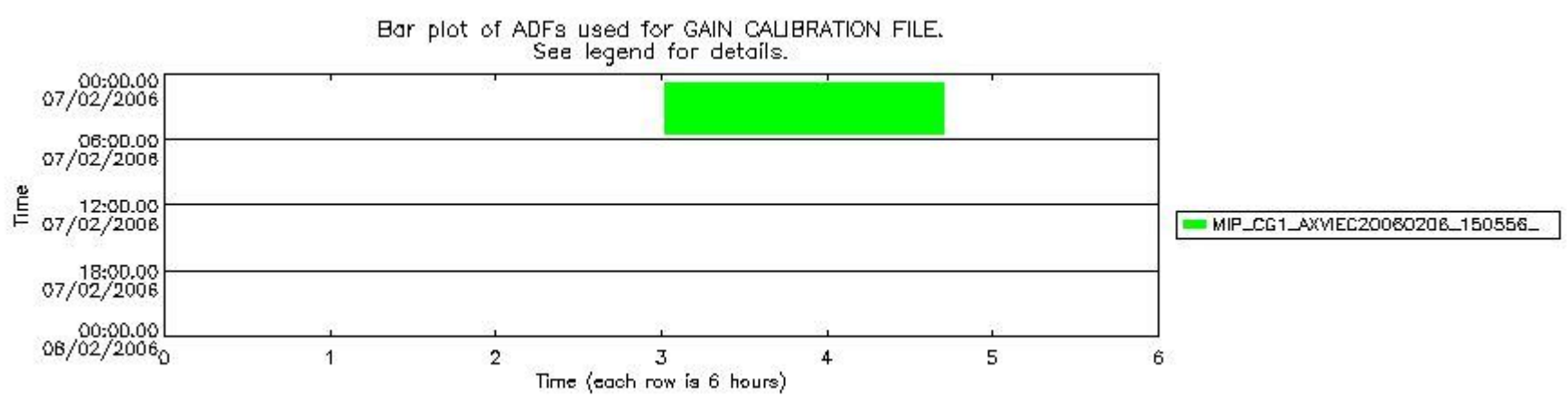
1.4 ADF monitoring

Number	ADF
0	AUX_FRO_AXVPDS20060209_234508_20060206_221000_20060209_005000
1	MIP_CA1_AXVIEC20050627_094412_20040809_000000_20090809_000000
2	MIP_CG1_AXVIEC20060206_150556_20060131_000000_20110131_000000
3	MIP_CL1_AXVIEC20050420_152028_20050420_095747_20100420_095747
4	MIP_CO1_AXVIEC20060206_150053_20060131_000000_20110131_000000
5	MIP_CS1_AXVIEC20060206_151531_20060131_000000_20110131_000000
6	MIP_MW1_AXVIEC20050627_094928_20040809_000000_20090809_000000
7	MIP_PS1_AXVIEC20050627_100609_20040809_000000_20090809_000000

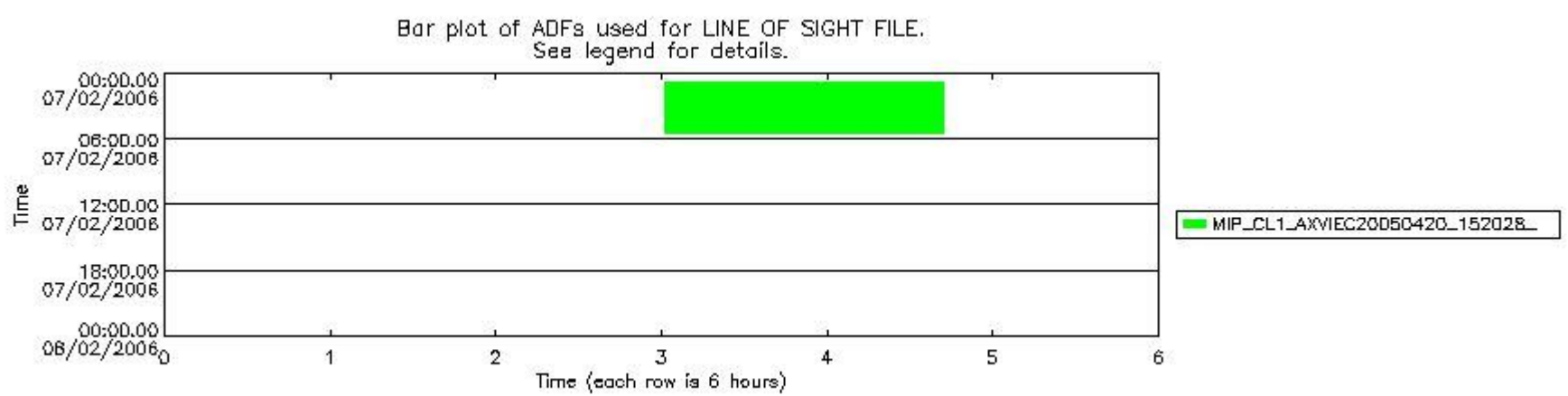
Number	Product name	#CS1	#CG1	#CL1	#CA1	#CO1	#MW1	#PS1	#FPO
0	MIP_NL_1PPDPA20060207_030132_000060362045_00004_20599_0251.N1	5	2	3	1	4	6	7	0



mipas_daily_report_level1_OFL_MIPAS_4_65_P_20060207_52.PNG

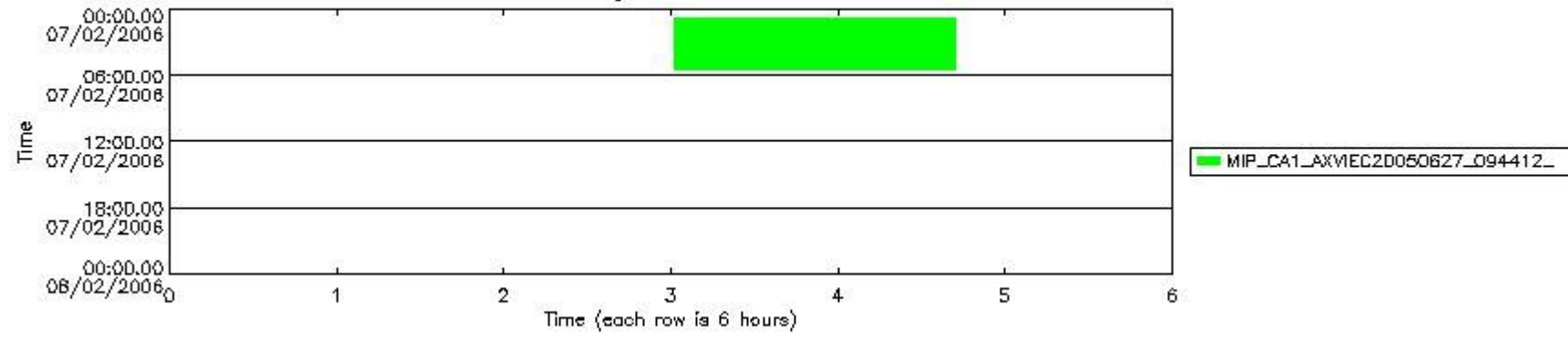


mipas_daily_report_level1_OFL_MIPAS_4_65_P_20060207_53.PNG



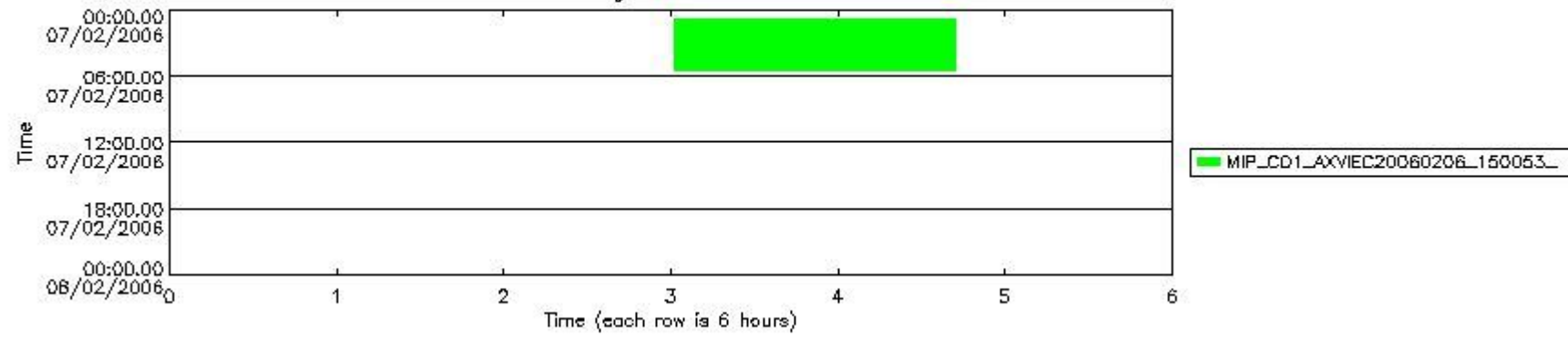
mipas_daily_report_level1_OFL_MIPAS_4_65_P_20060207_54.PNG

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



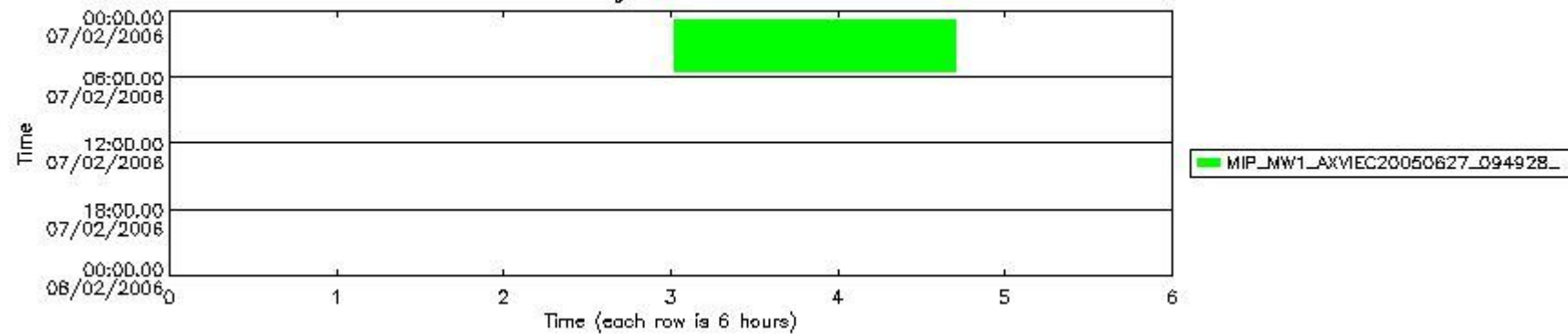
mipas_daily_report_level1_OFL_MIPAS_4_65_P_20060207_55.PNG

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



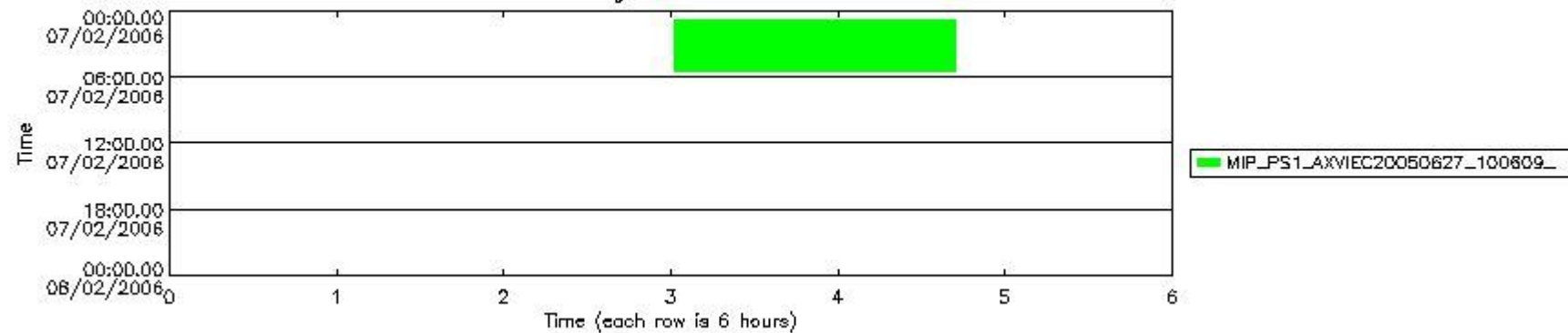
mipas_daily_report_level1_OFL_MIPAS_4_65_P_20060207_56.PNG

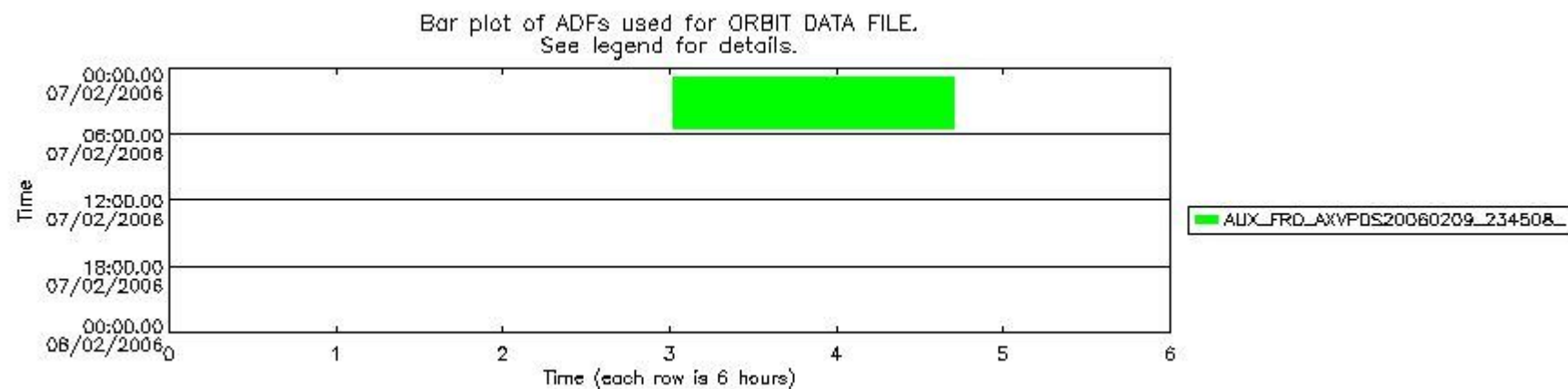
Bar plot of ADFs used for MICROWINDOWS FILE.
See legend for details.



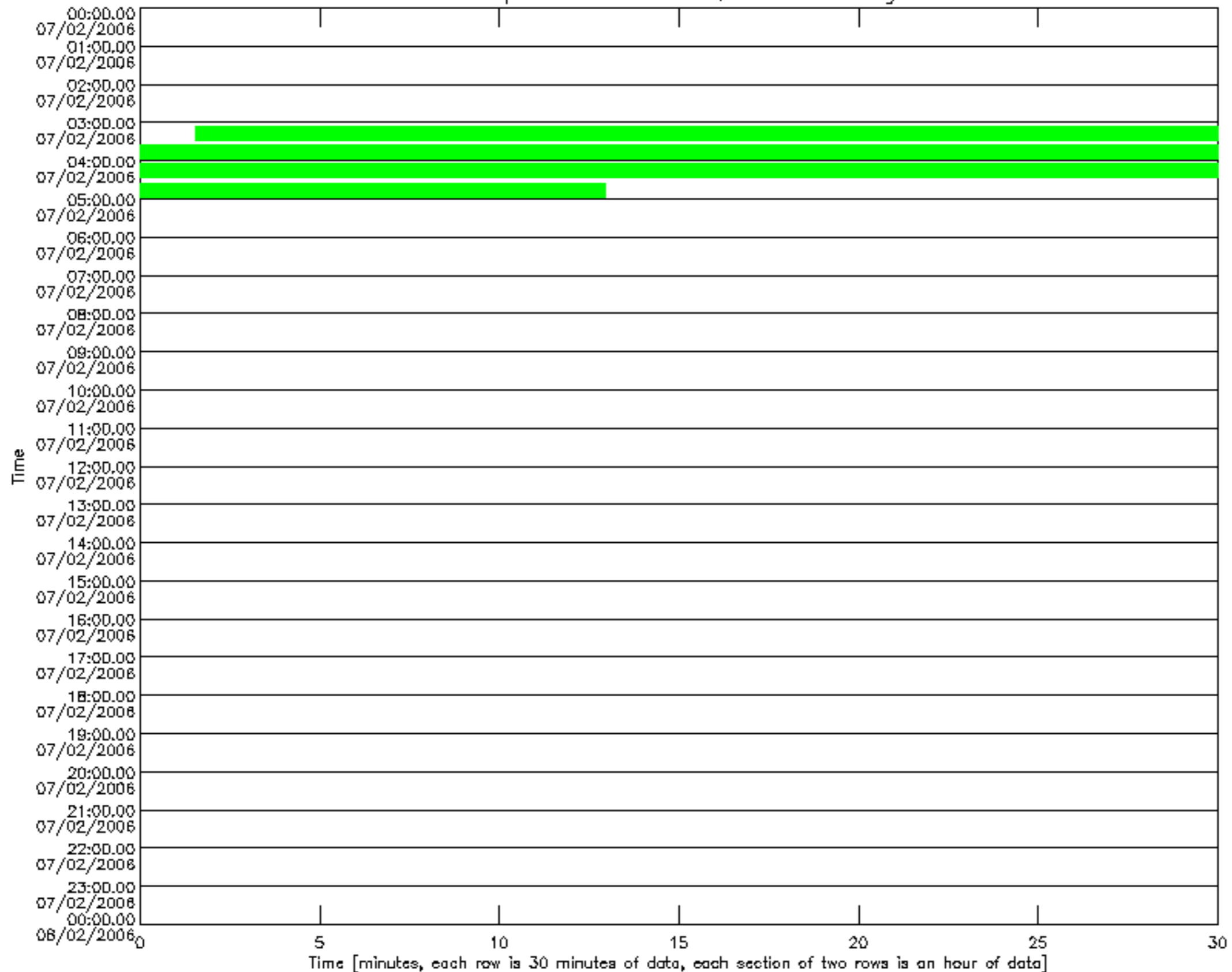
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Bar plot of ADFs used for PROCESS PARAMETERS FILE.
See legend for details.

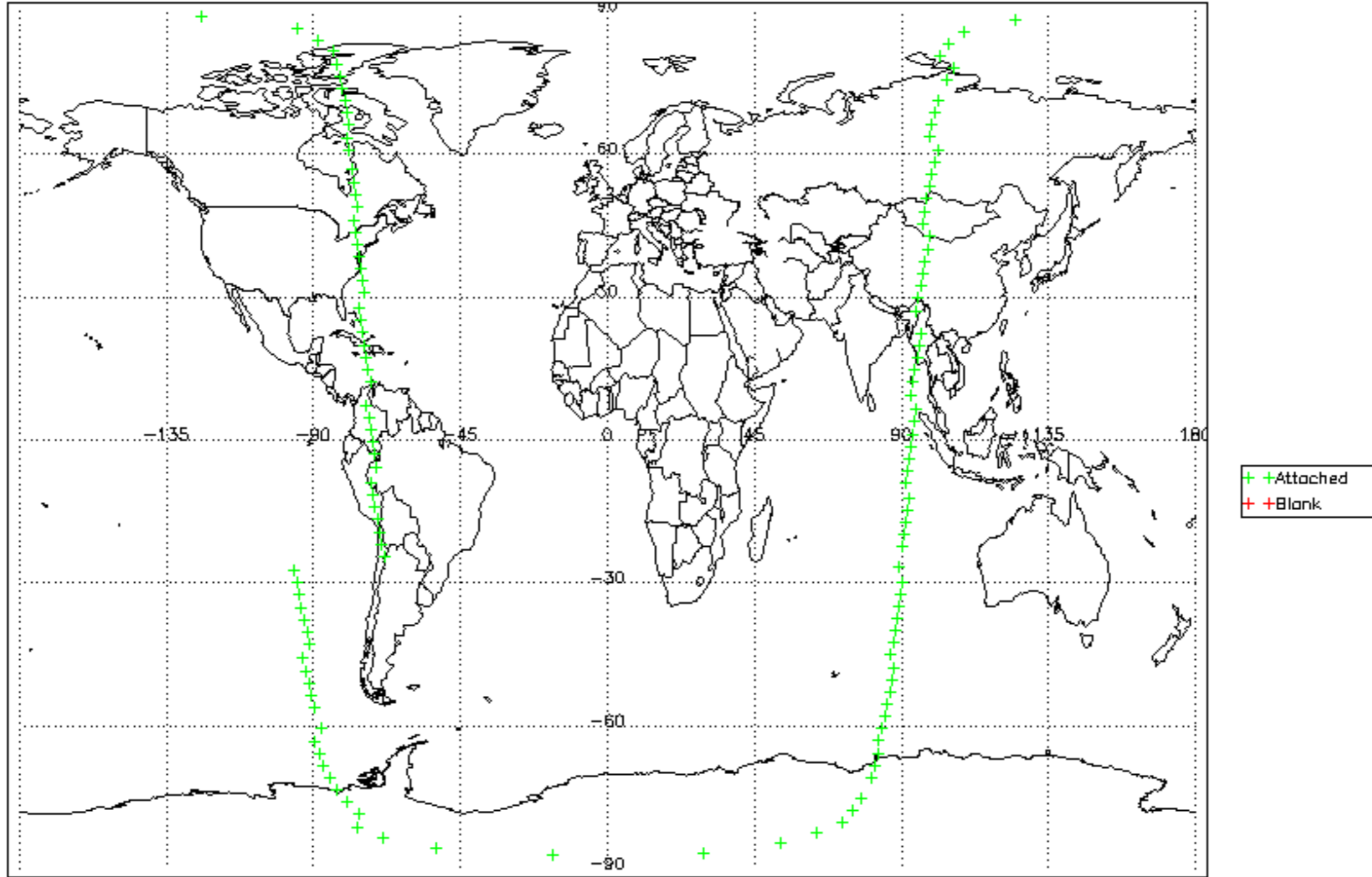


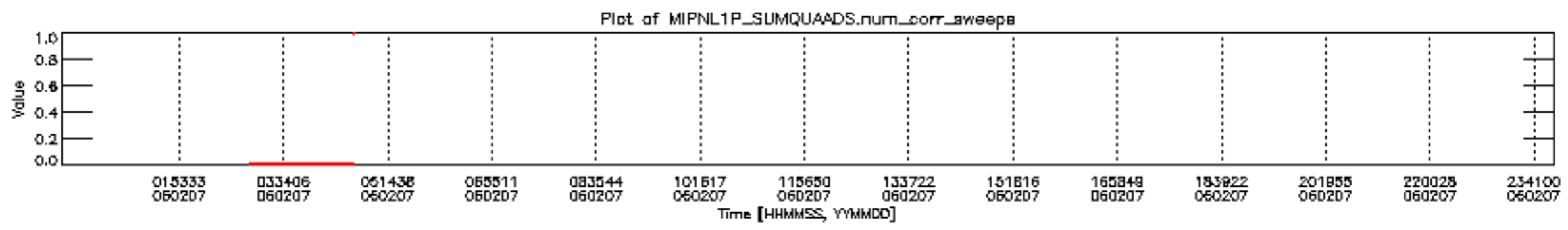


Bar plot of MIPNL1P_SUMQUAADS.attach_flag

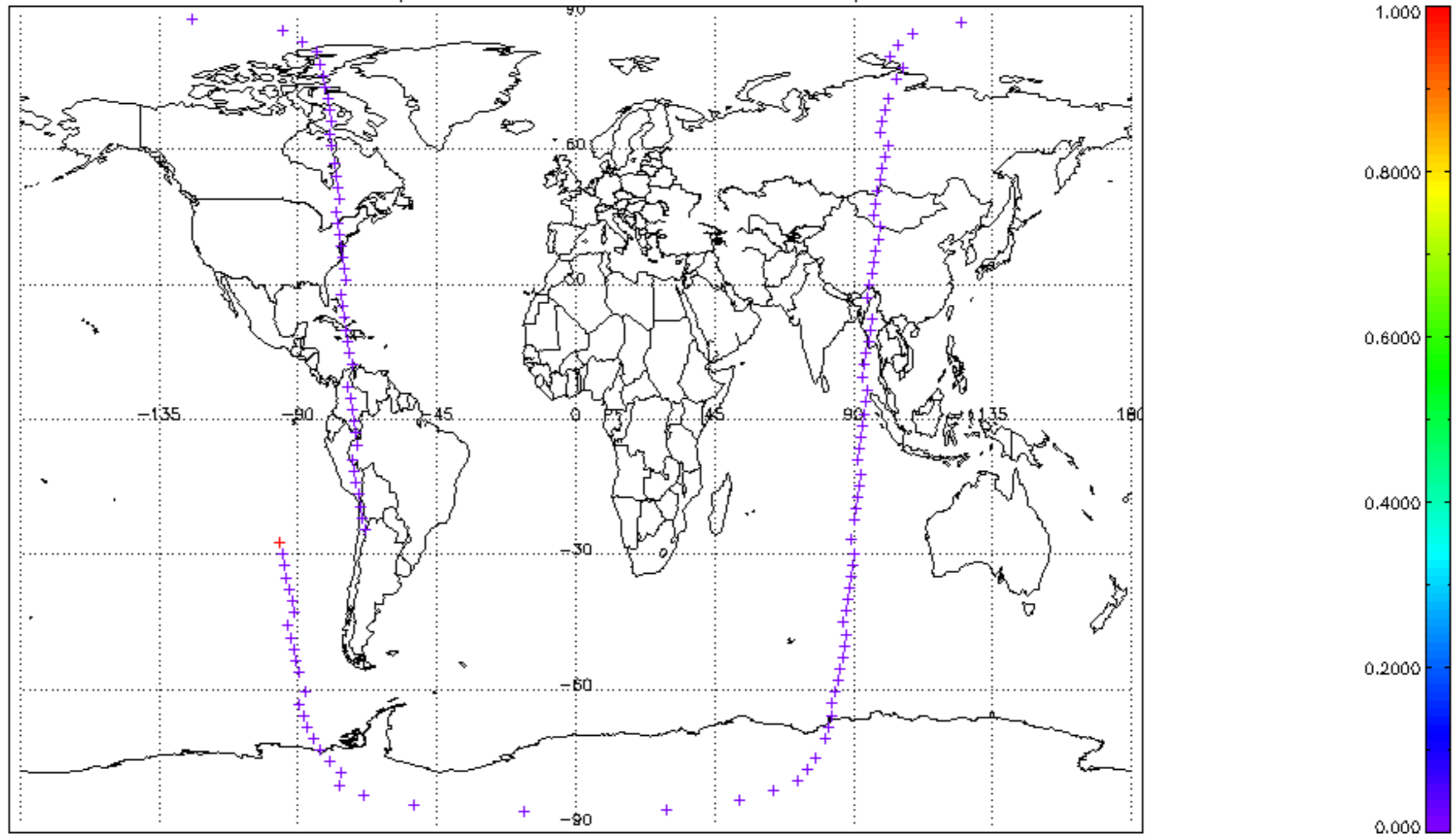


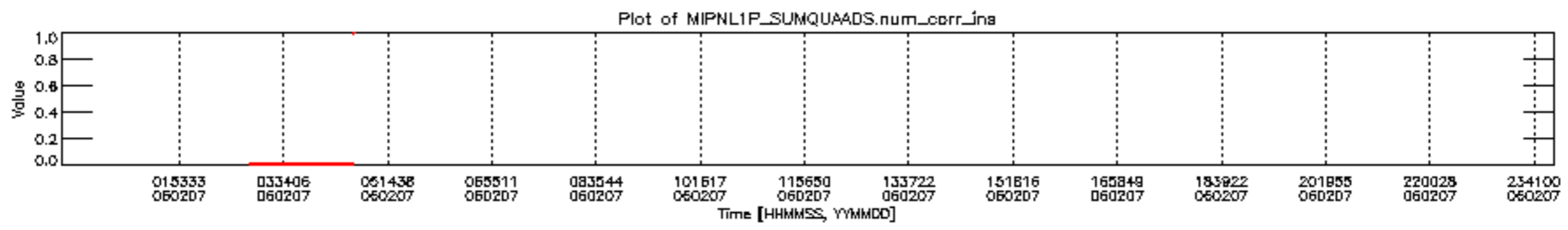
Geolocation plot of MIPNL1P_SUMQUAADS.attach_flag



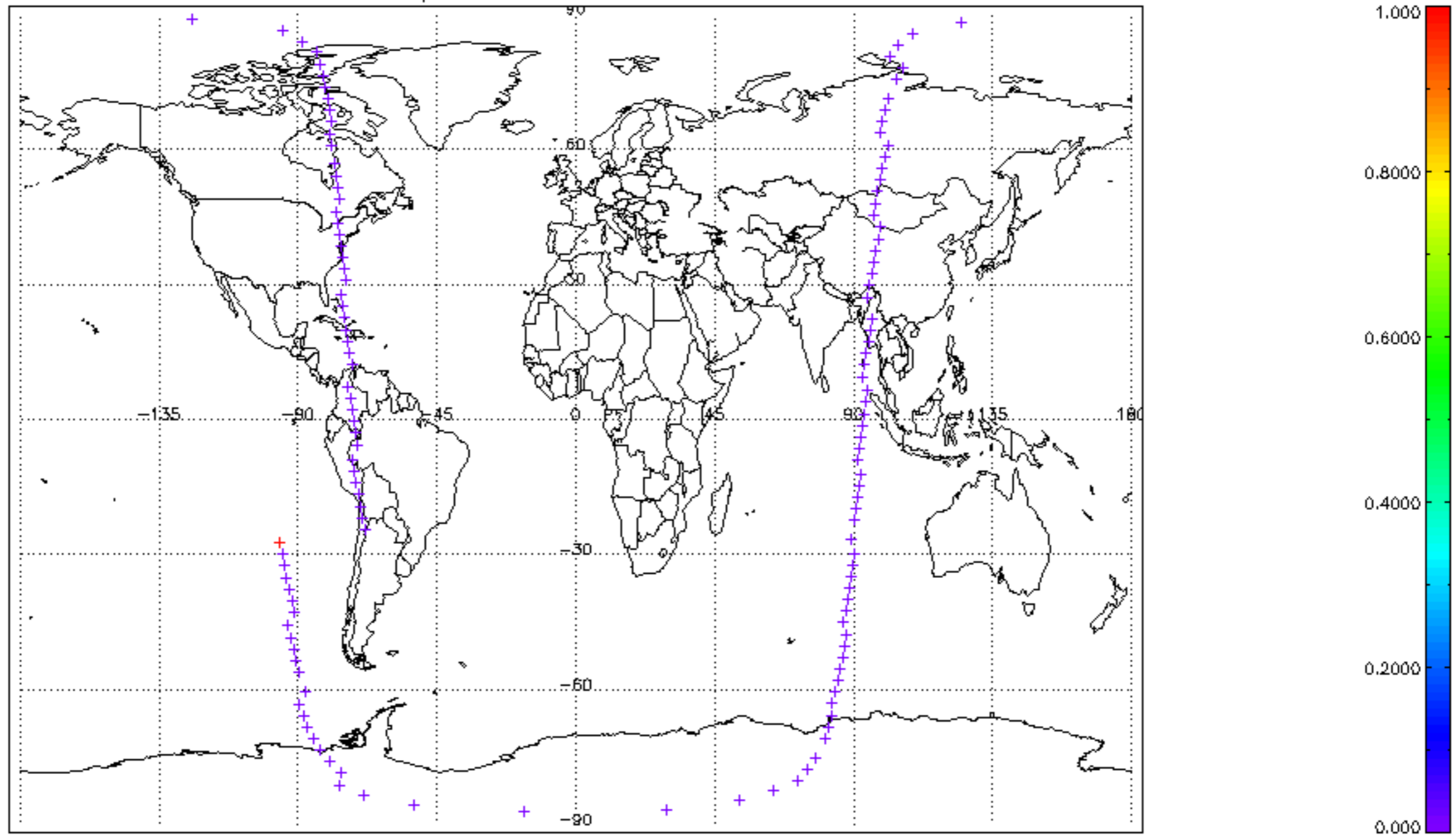


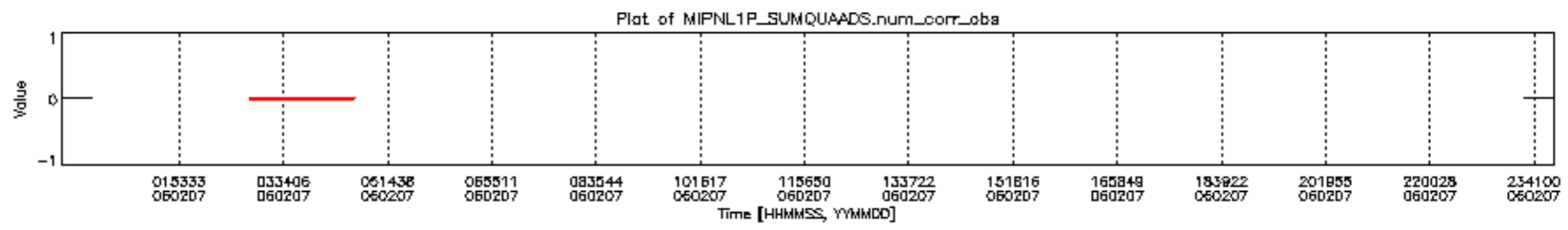
Geolocation plot of MIPNL1P_SUMQUAADS.num_corr_sweeps



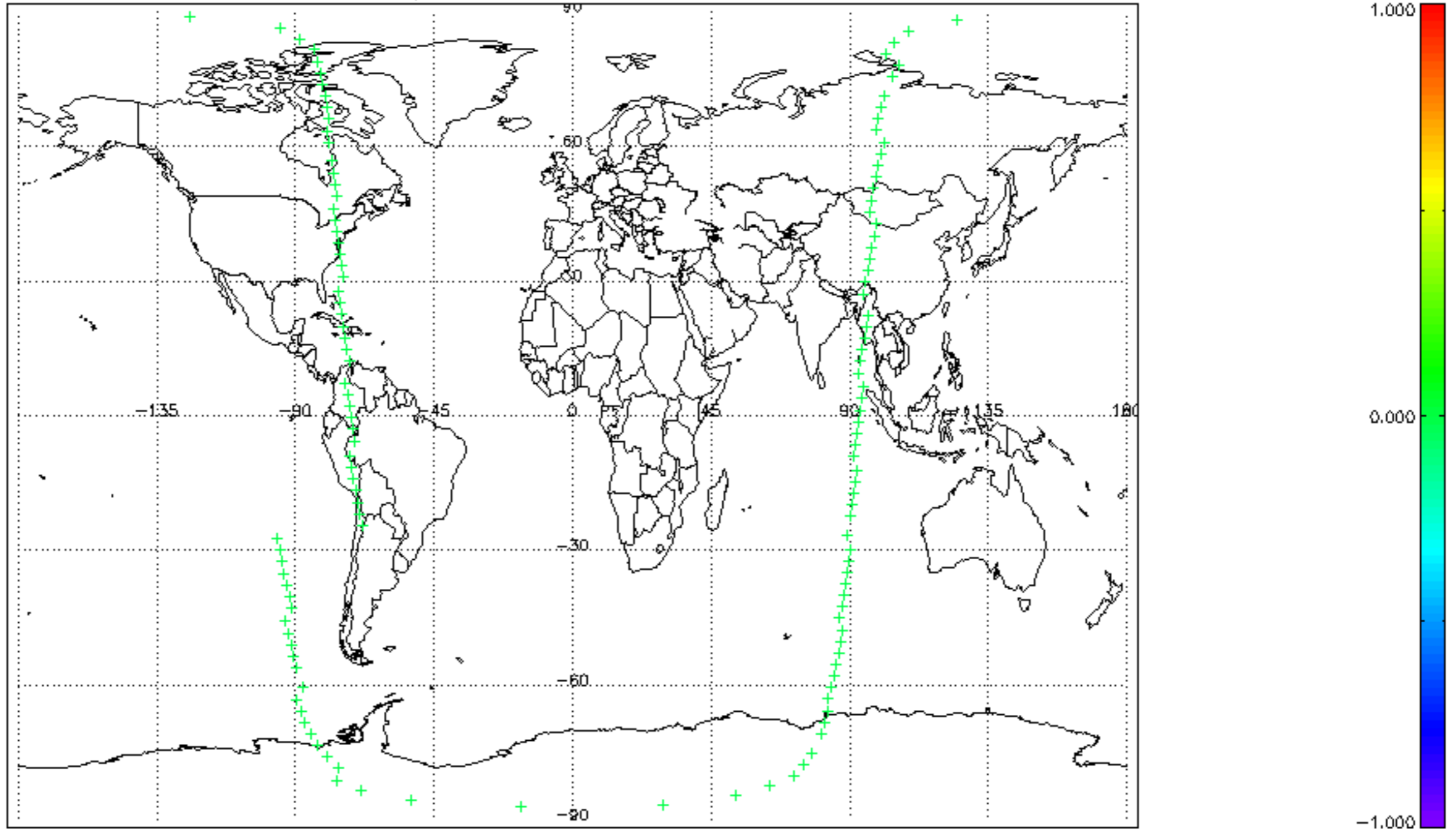


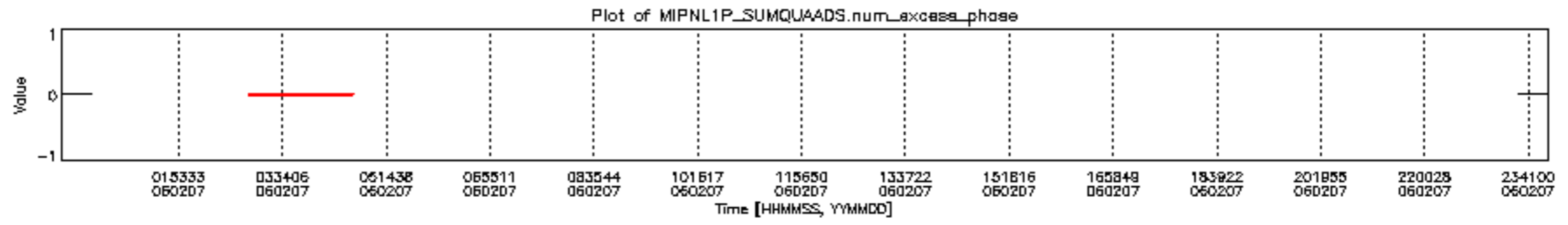
Geolocation plot of MIPNL1P_SUMQUAADS.num_corr_ins



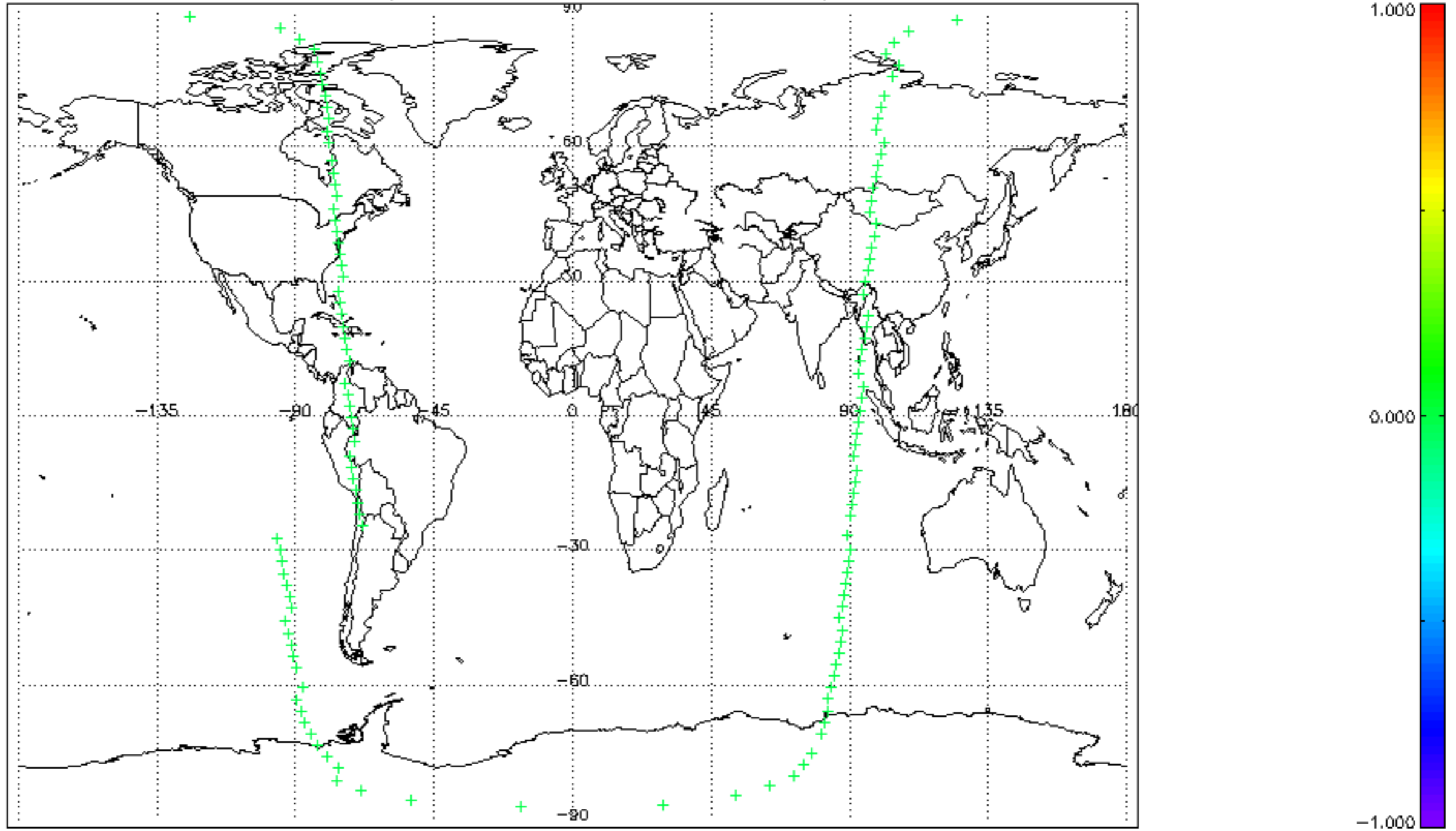


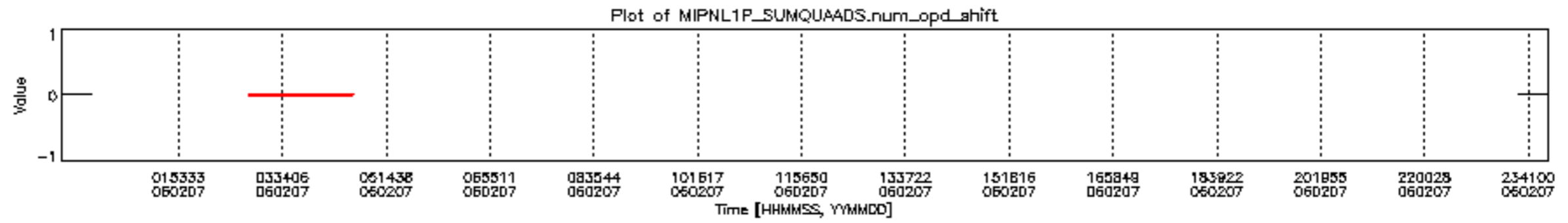
Geolocation plot of MIPNL1P_SUMQUAADS.num_corr_obs



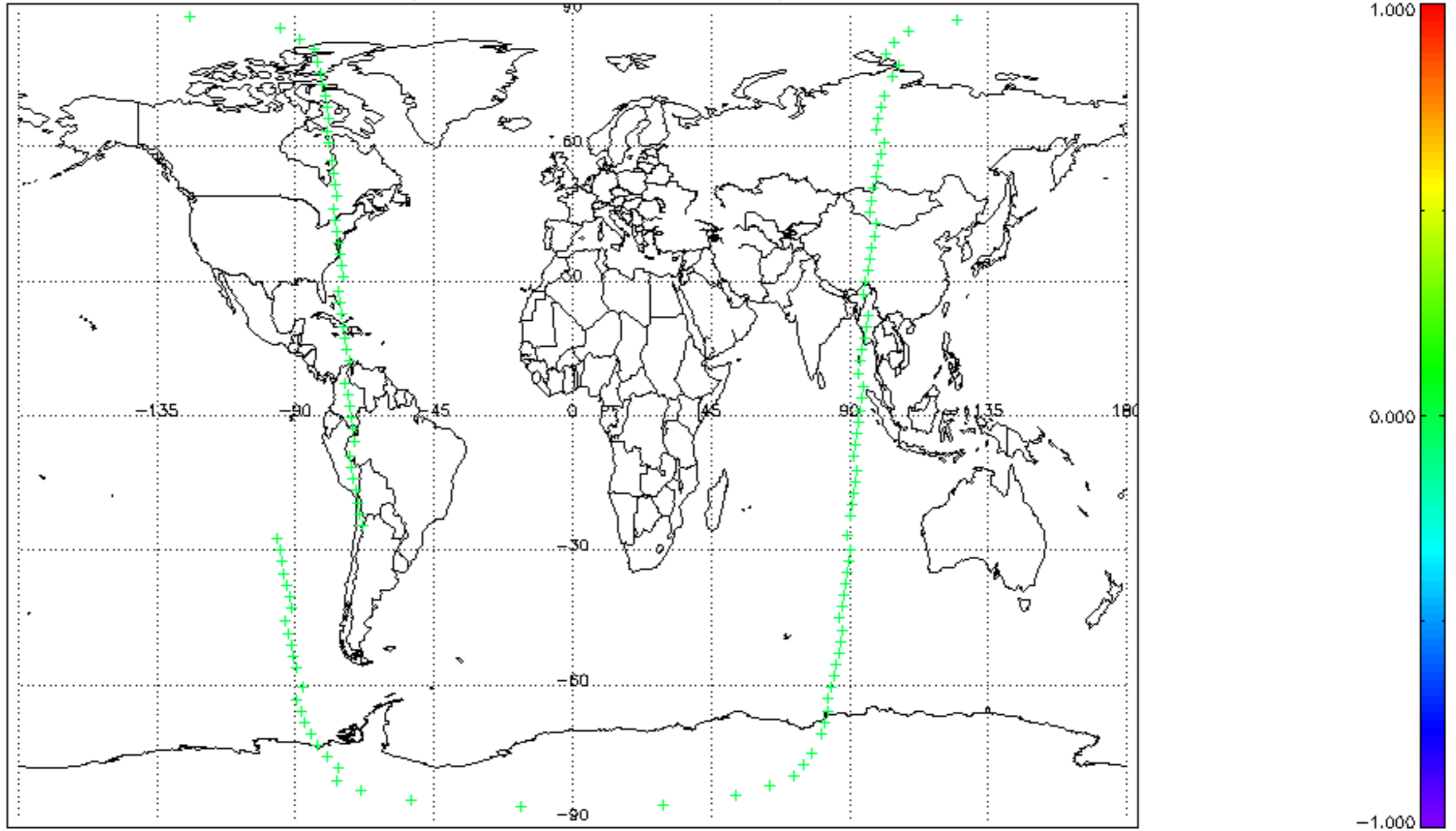


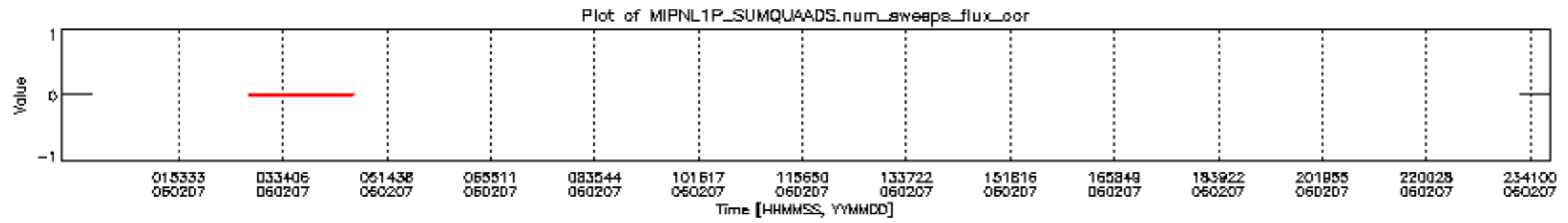
Geolocation plot of MIPNL1P_SUMQUAADS.num_excess_phase



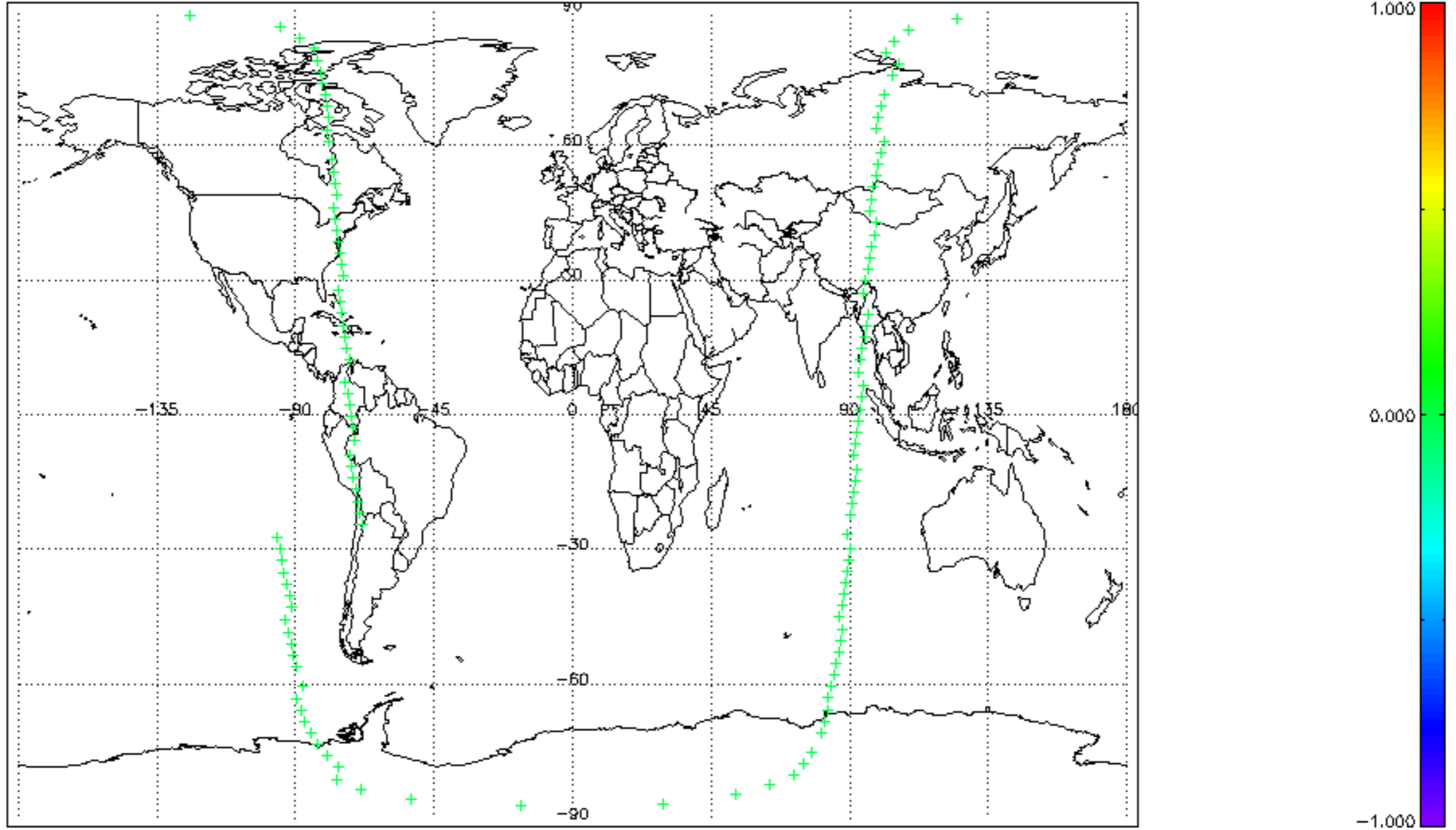


Geolocation plot of MIPNL1P_SUMQUAADS.num_opd_shift

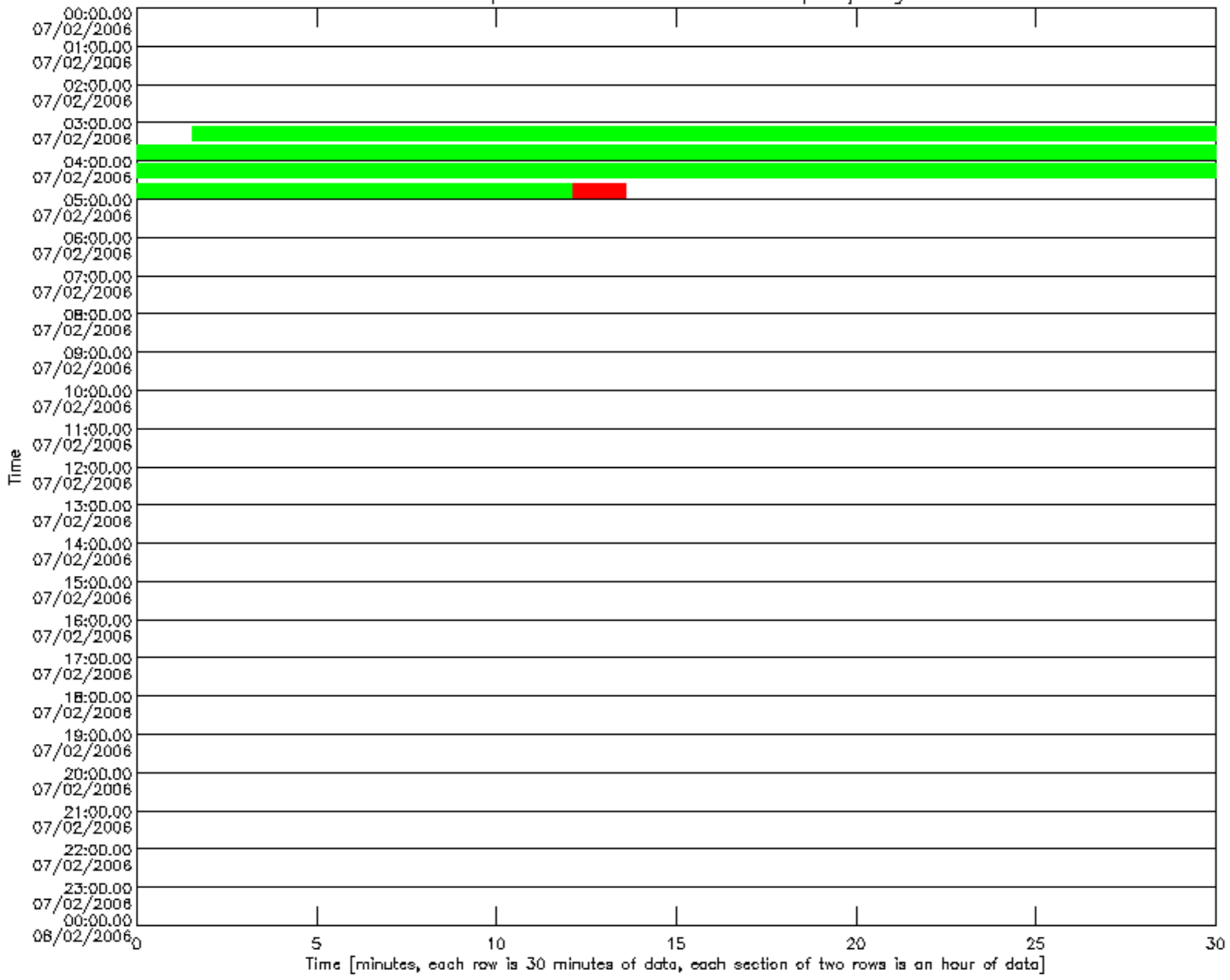




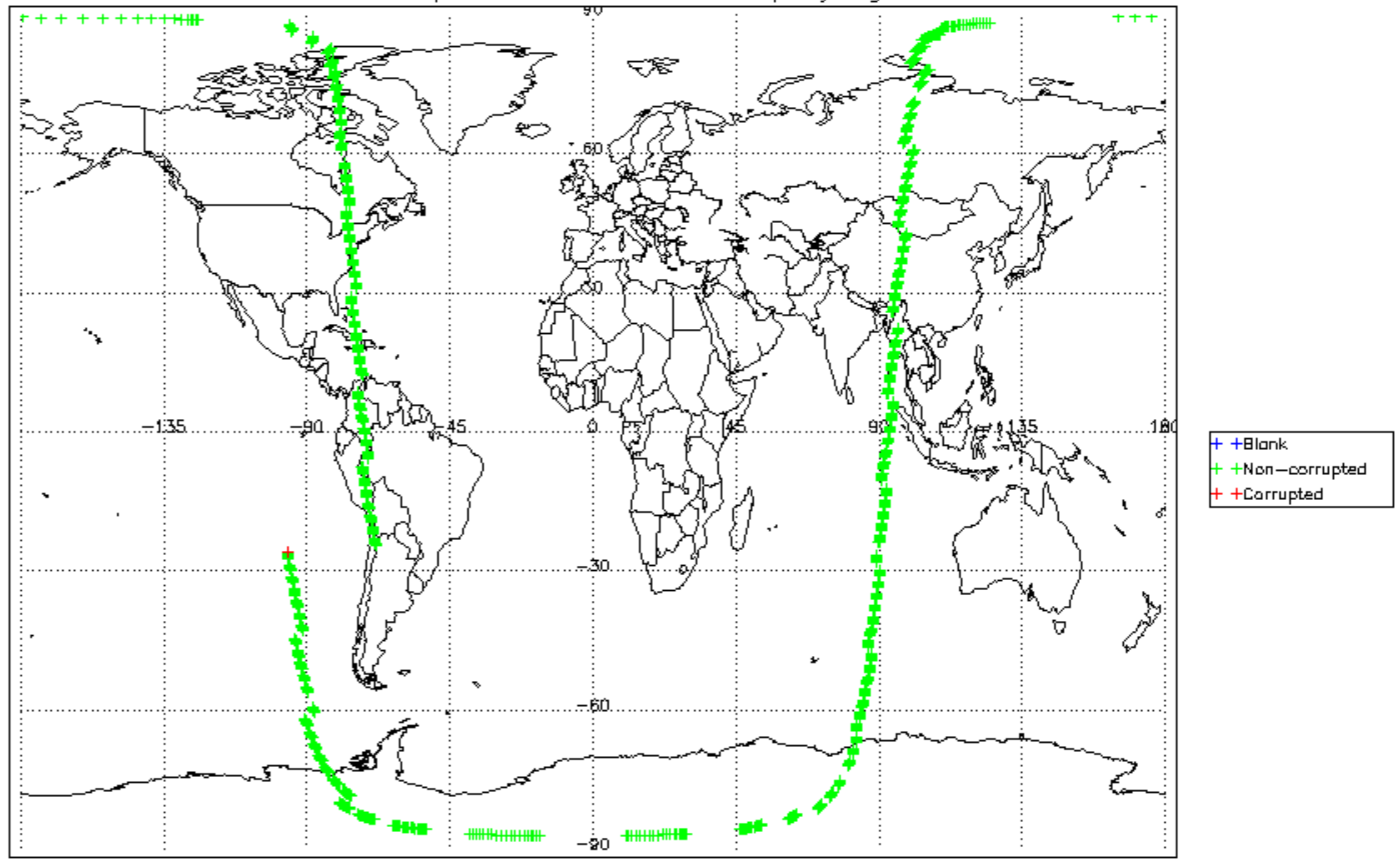
Geolocation plot of MIPNL1P_SUMQUAADS.num_sweeps_flux_oor

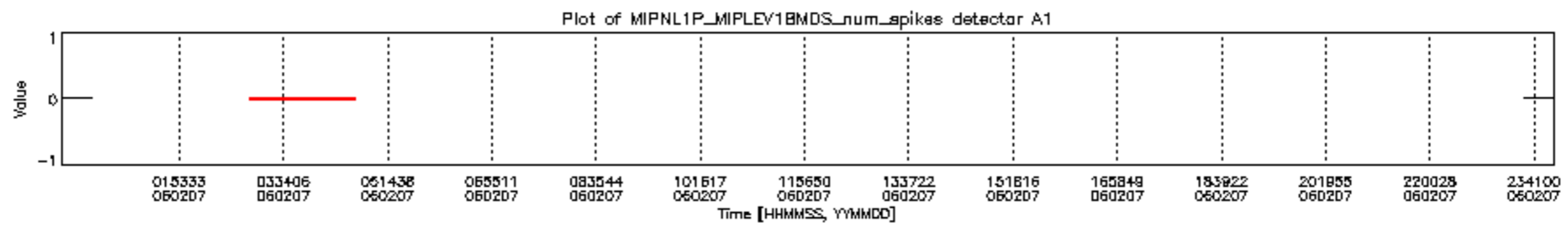


Bar plot of MIPNL1P_MIPLEV1BMDS_quality_flag

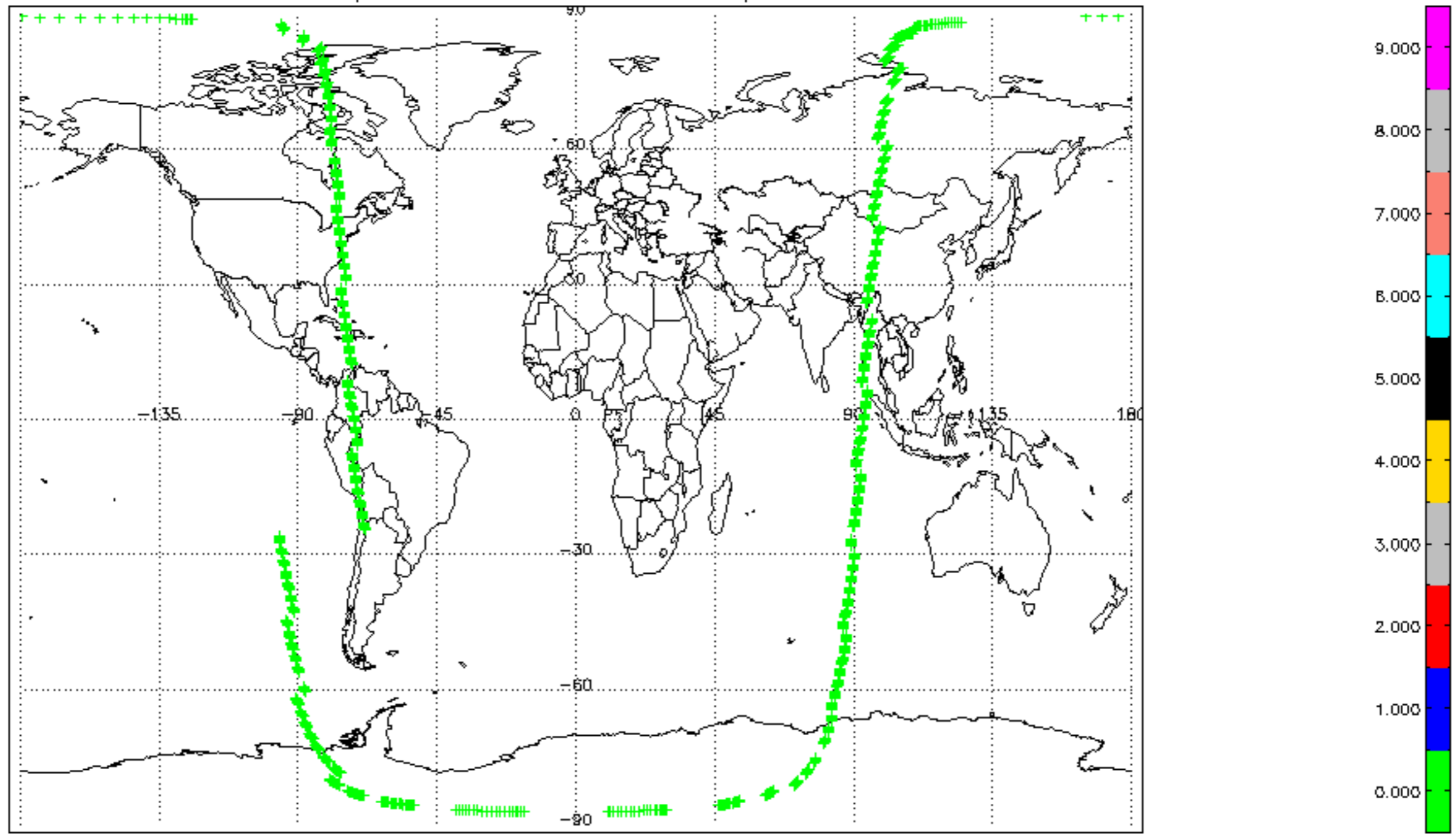


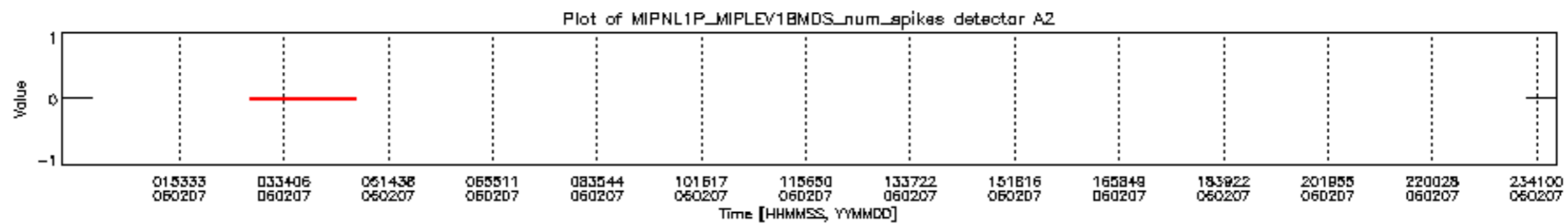
Geolocation plot of MIPNL1P_MIPLEV1BMDS_quality_flag



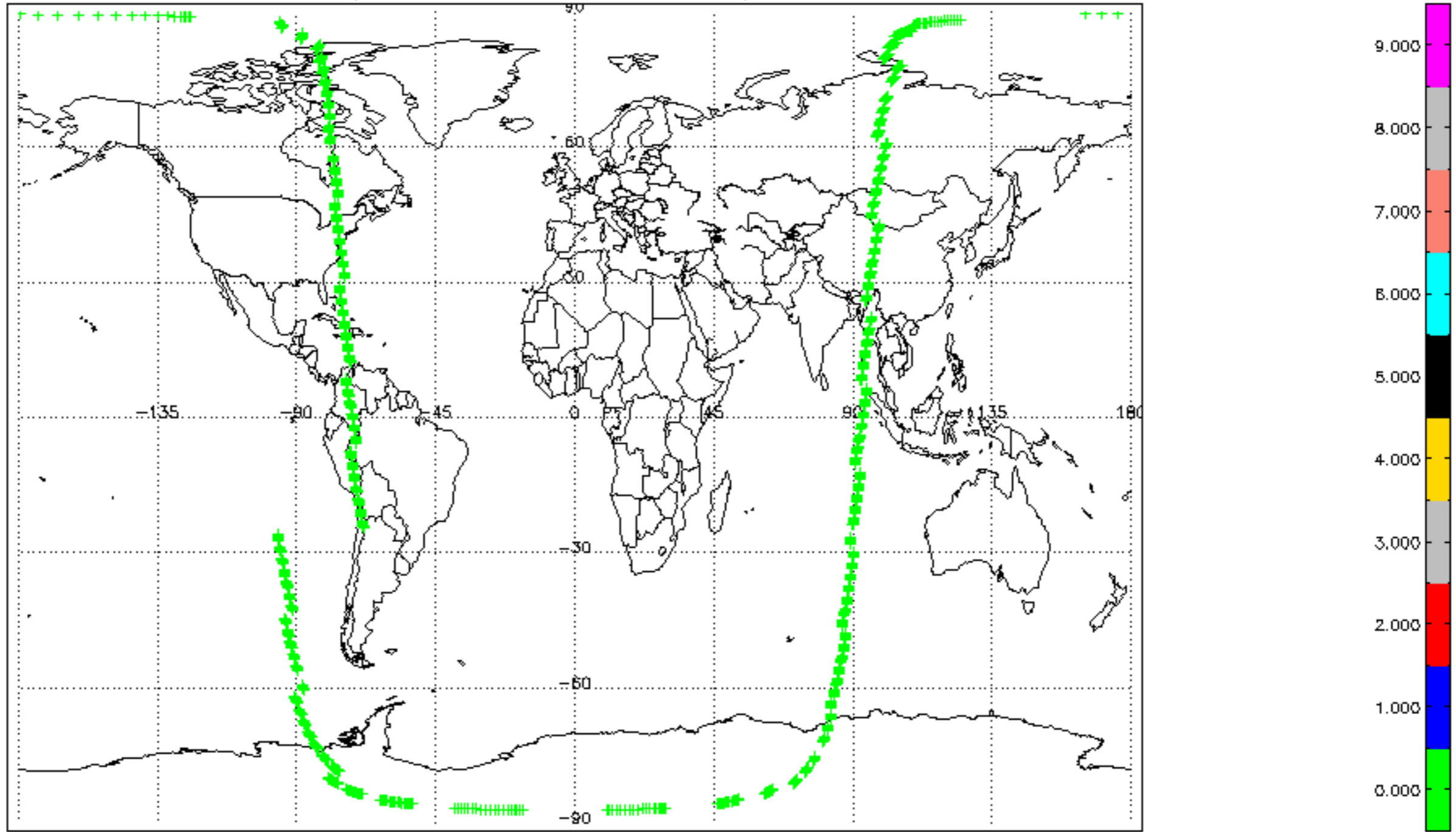


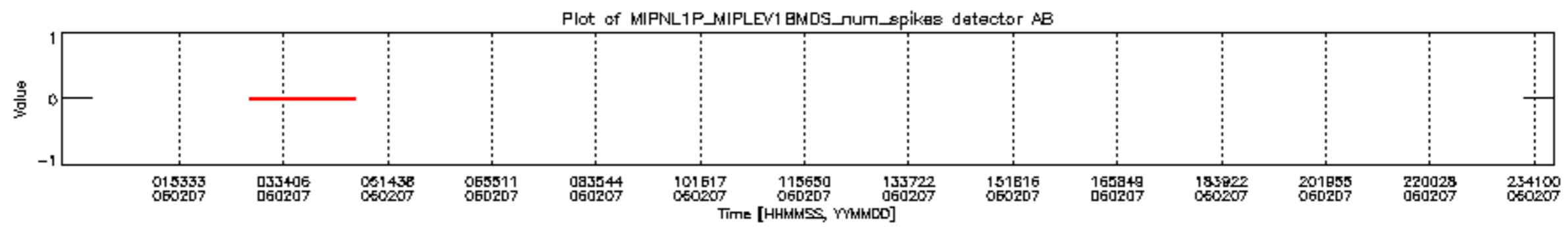
Geolocation plot of MIPNL1P_MIPLEV1BMDS_num_spikes detector A1



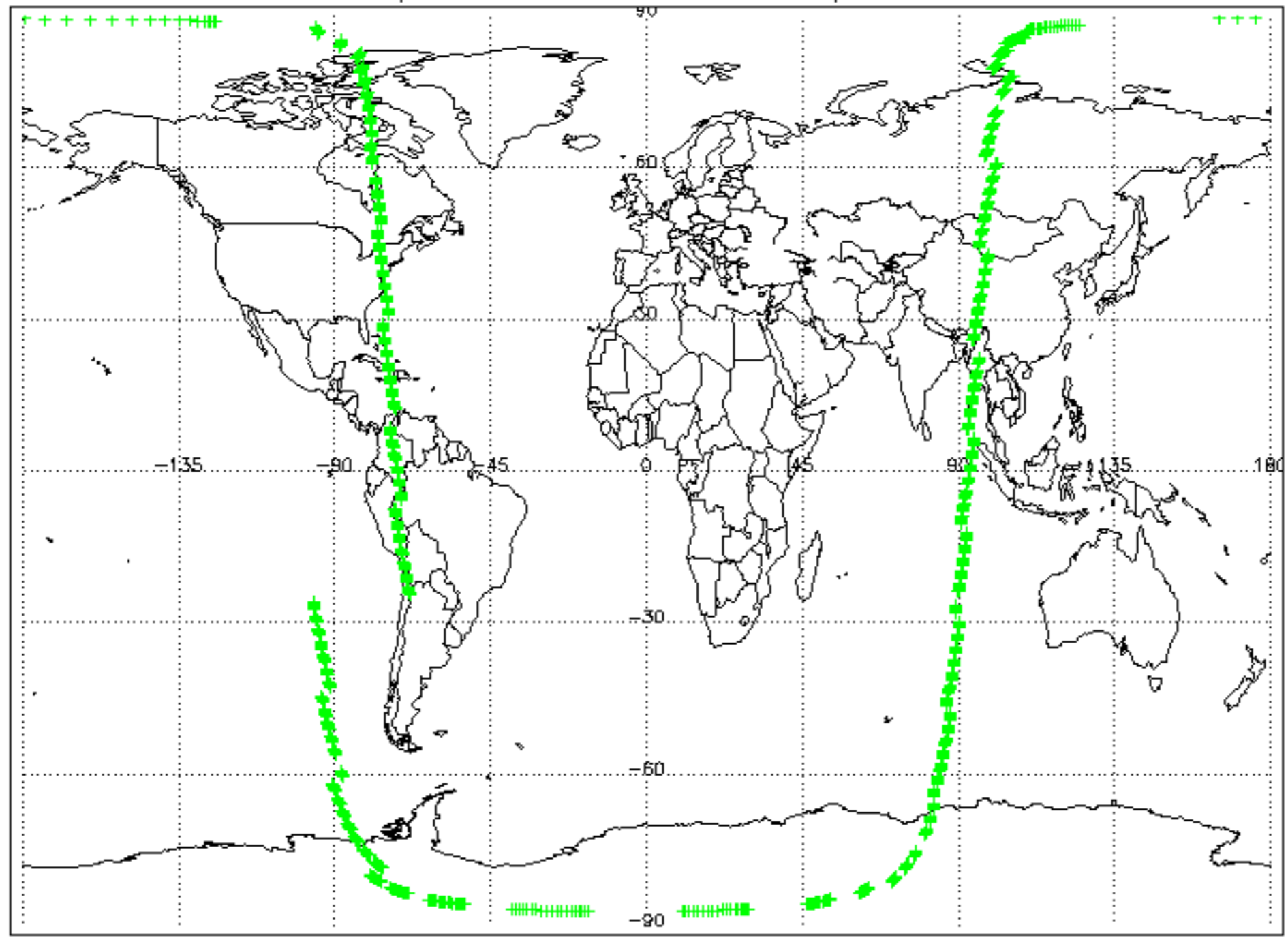


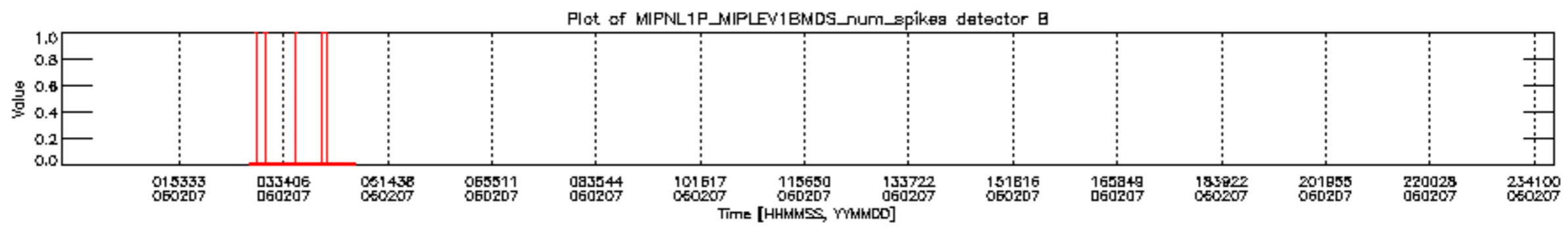
Geolocation plot of MIPNL1P_MIPLEV1BMDS_num_spikes detector A2



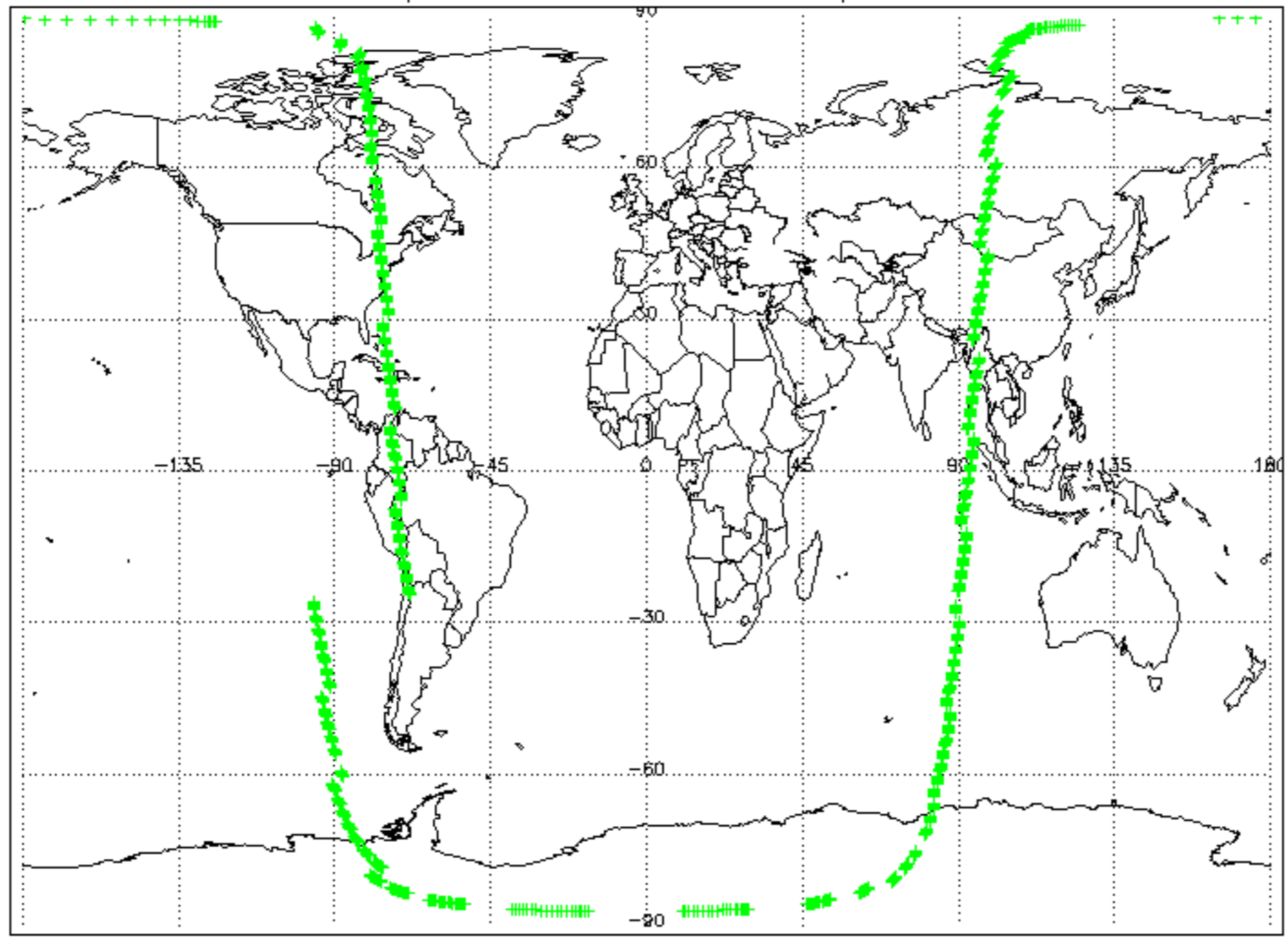


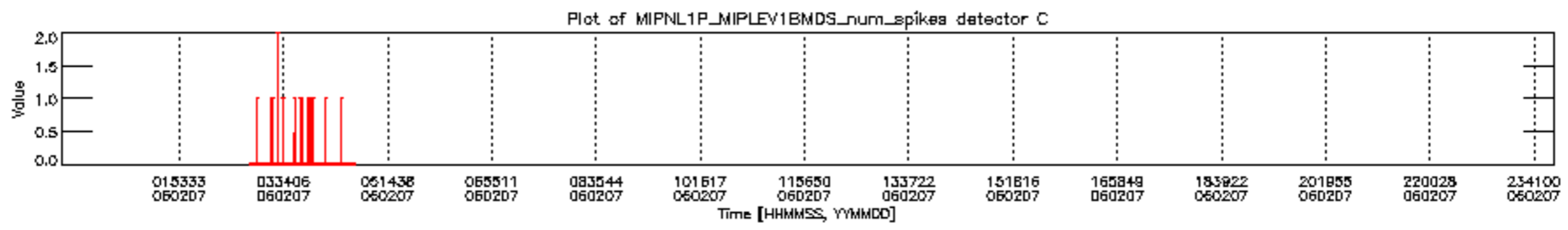
Geolocation plot of MIPNL1P_MIPLEV1BMDS_num_spikes detector AB



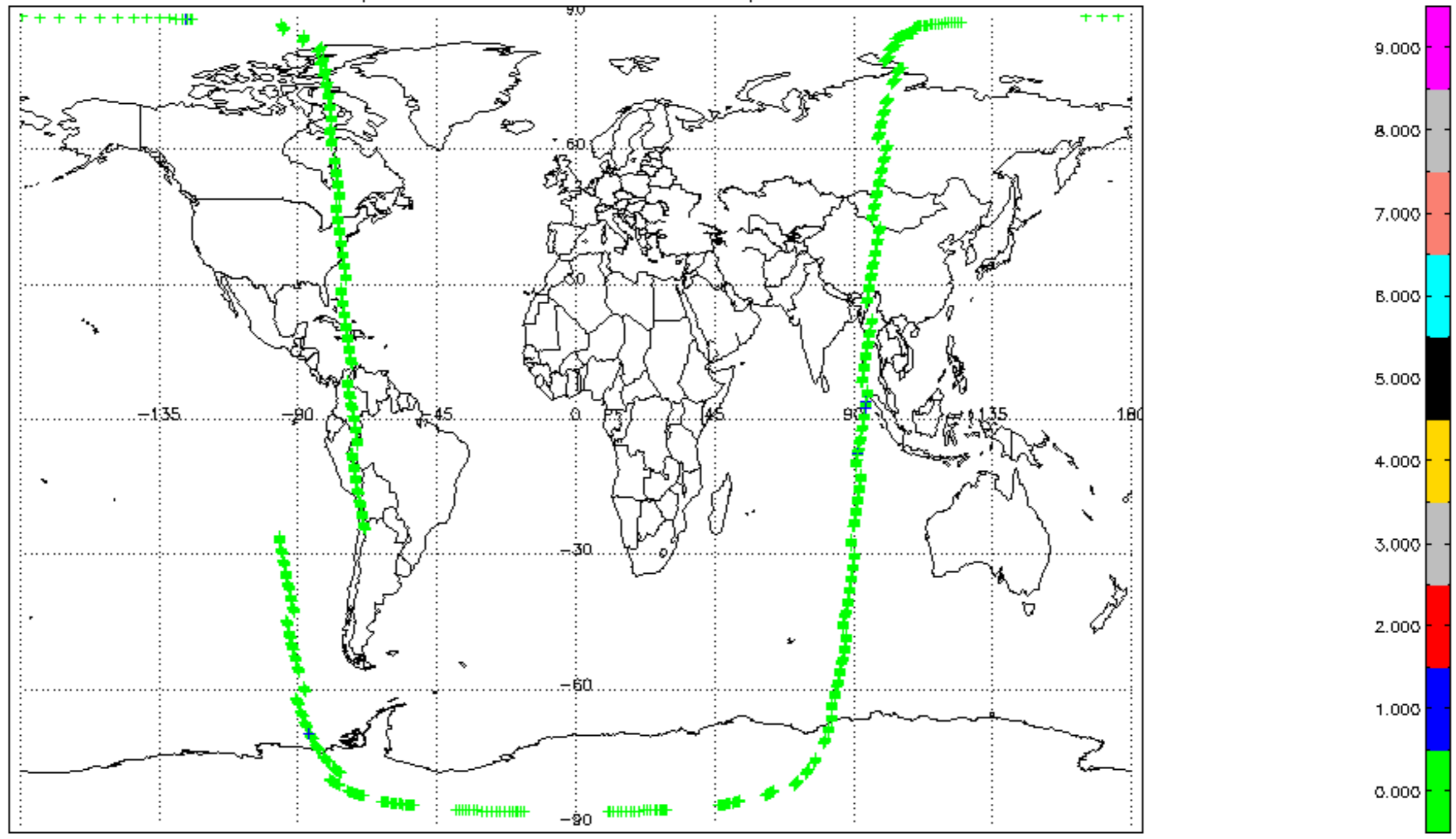


Geolocation plot of MIPNL1P_MIPLEV1BMDS_num_spikes detector B

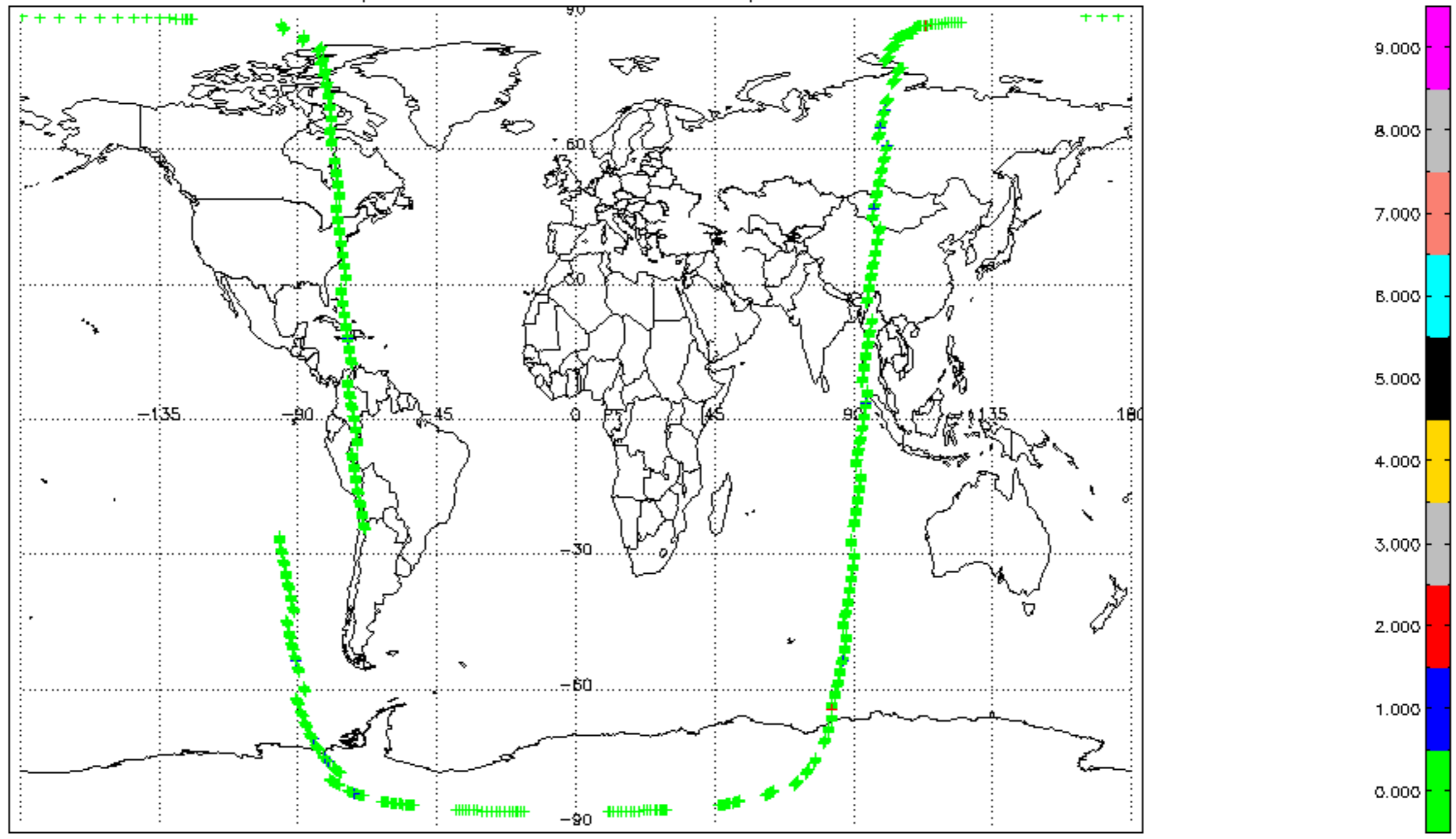




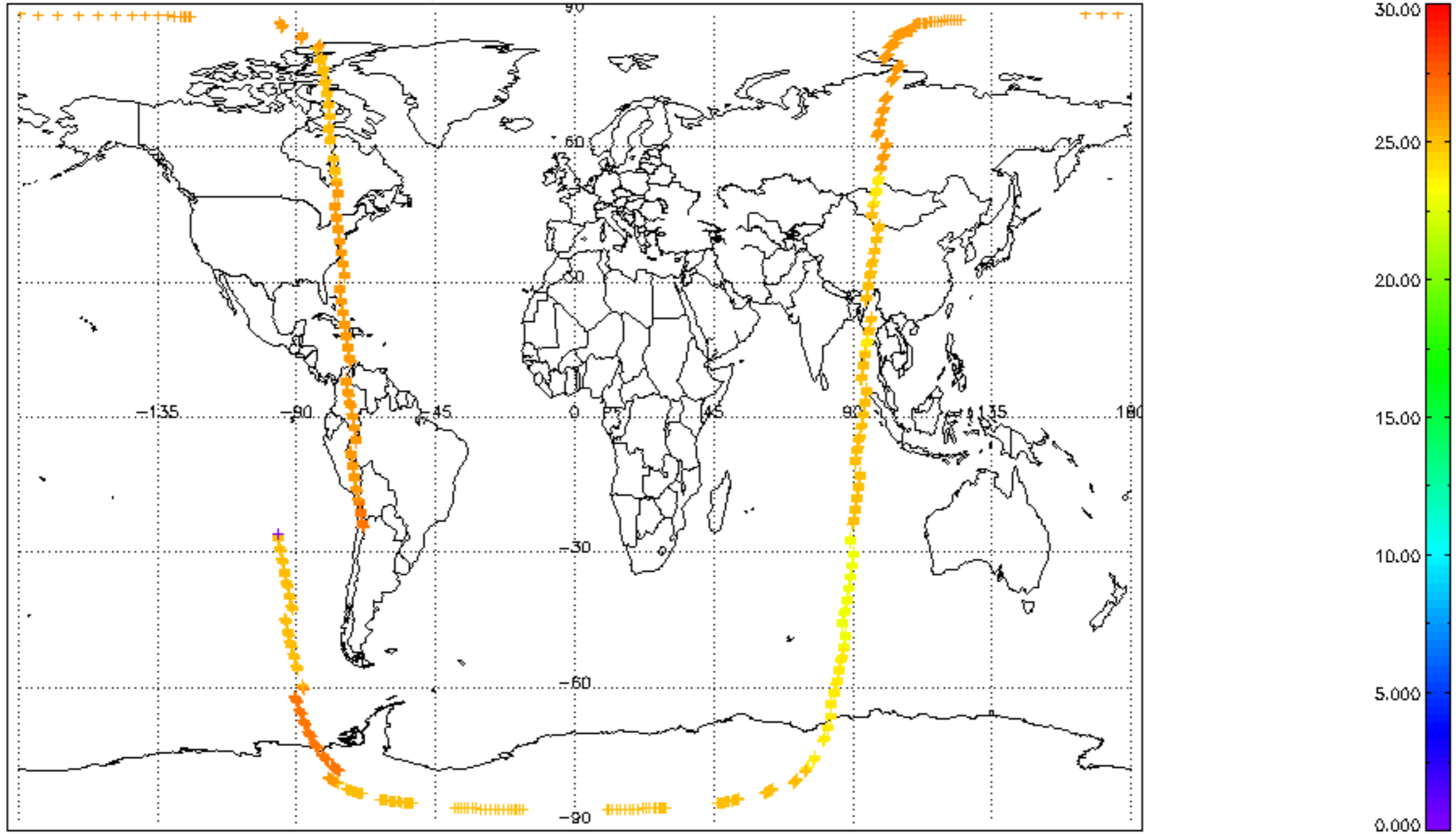
Geolocation plot of MIPNL1P_MIPLEV1BMDS_num_spikes detector C



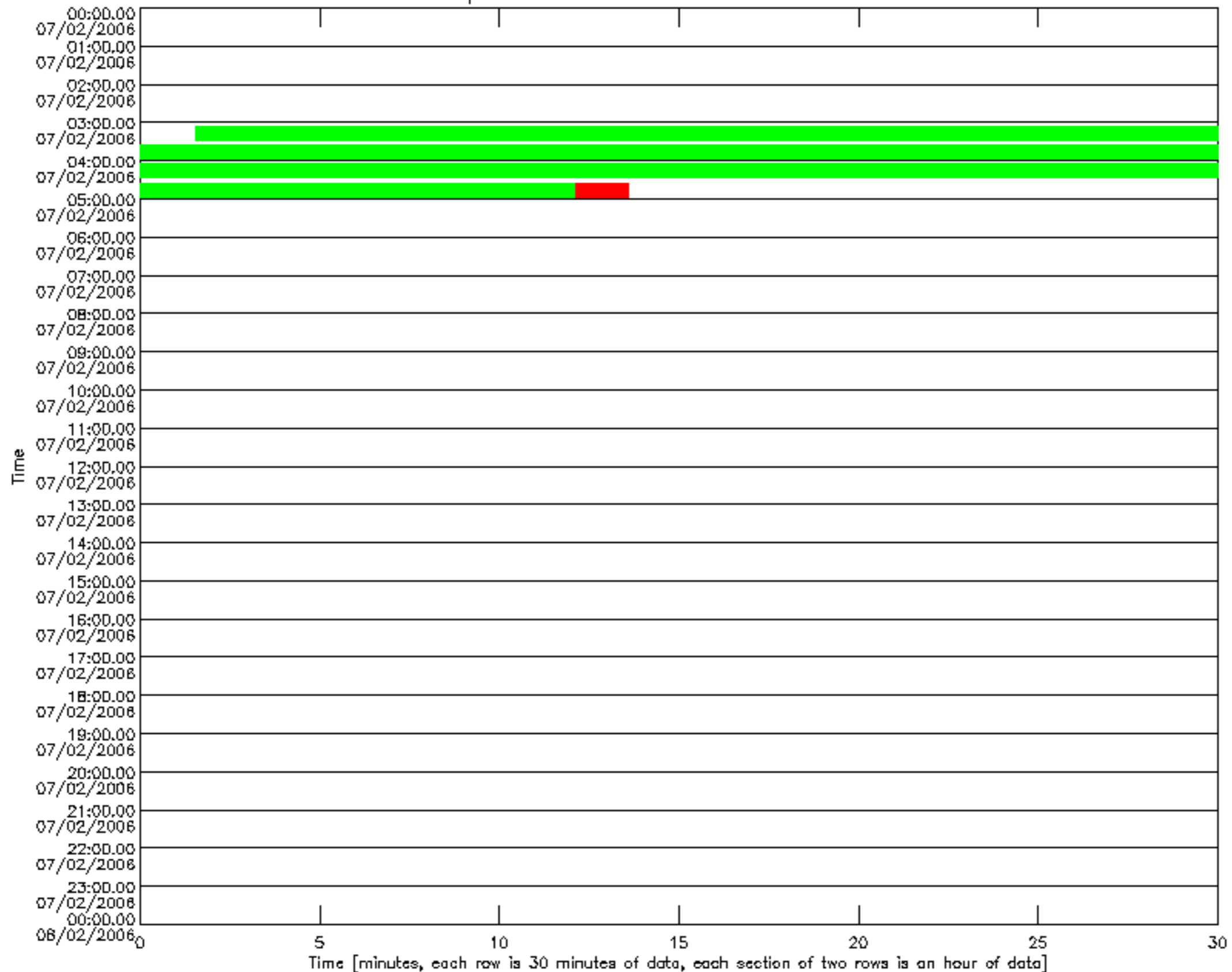
Geolocation plot of MIPNL1P_MIPLEV1BMDS_num_spikes detector D



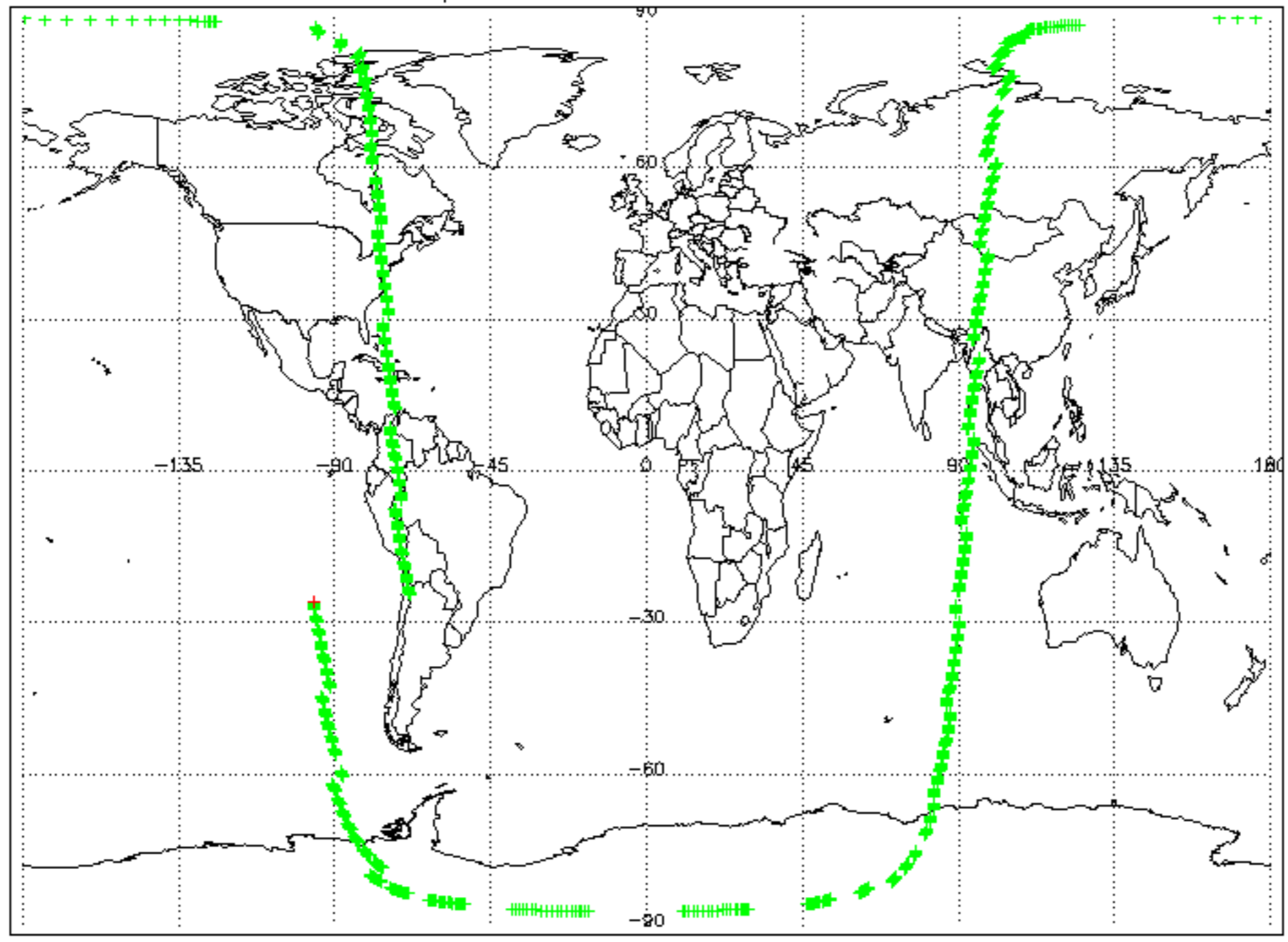
Geolocation plot of MIPNL1P_MIPLEV1BMDS_num_errs



Bar plot of MIPNL1P_MIPLEV1BMDS_band_val band A

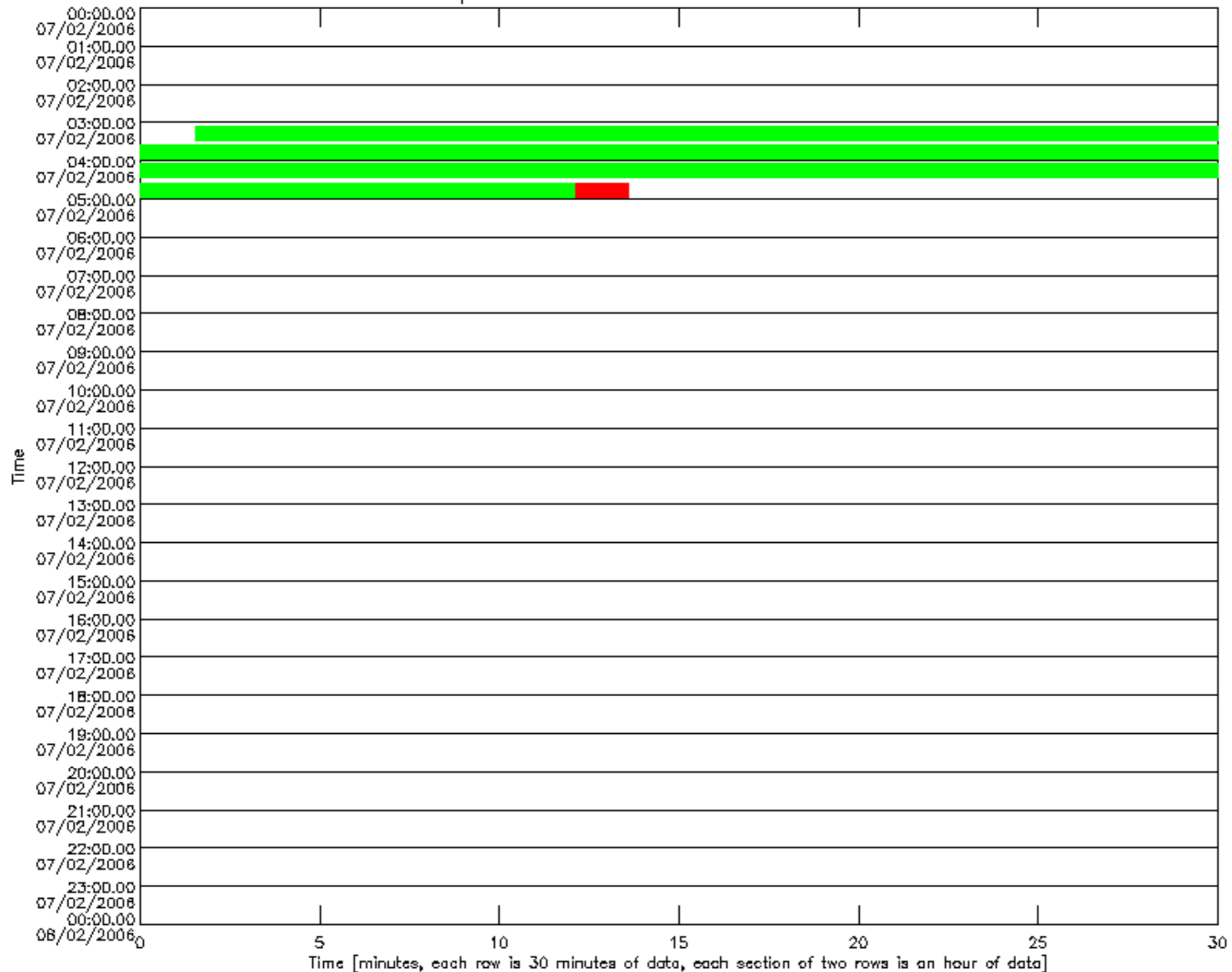


Geolocation plot of MIPNL1P_MIPLEV1BMDS_band_val band A

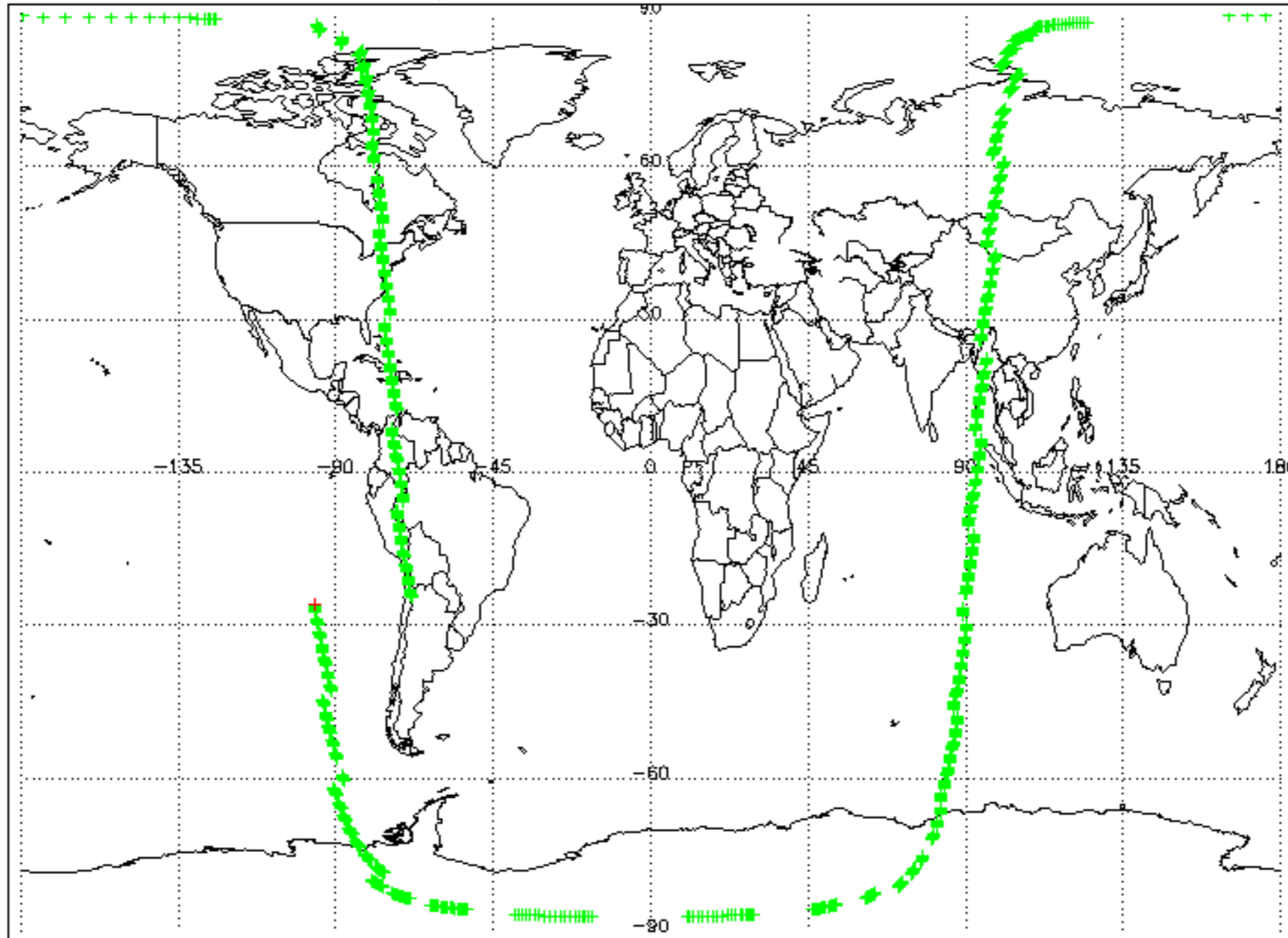


- + not corrupted
- + Unknown
- + corrupted transmission
- + Unknown 2
- + corrupted observational

Bar plot of MIPNL1P_MIPLEV1BMDS_band_val band AB

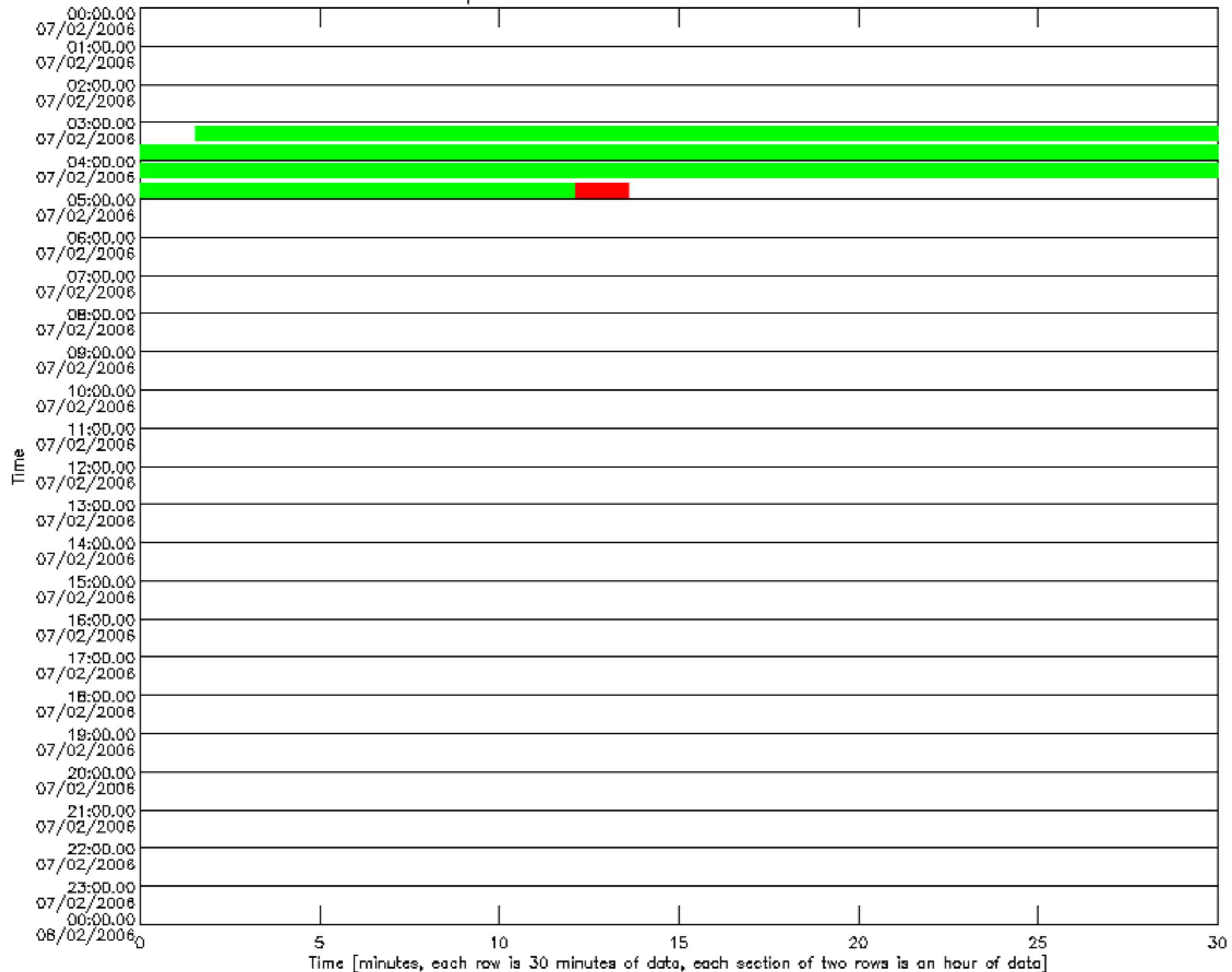


Geolocation plot of MIPNL1P_MIPLEV1BMDS_band_val band AB

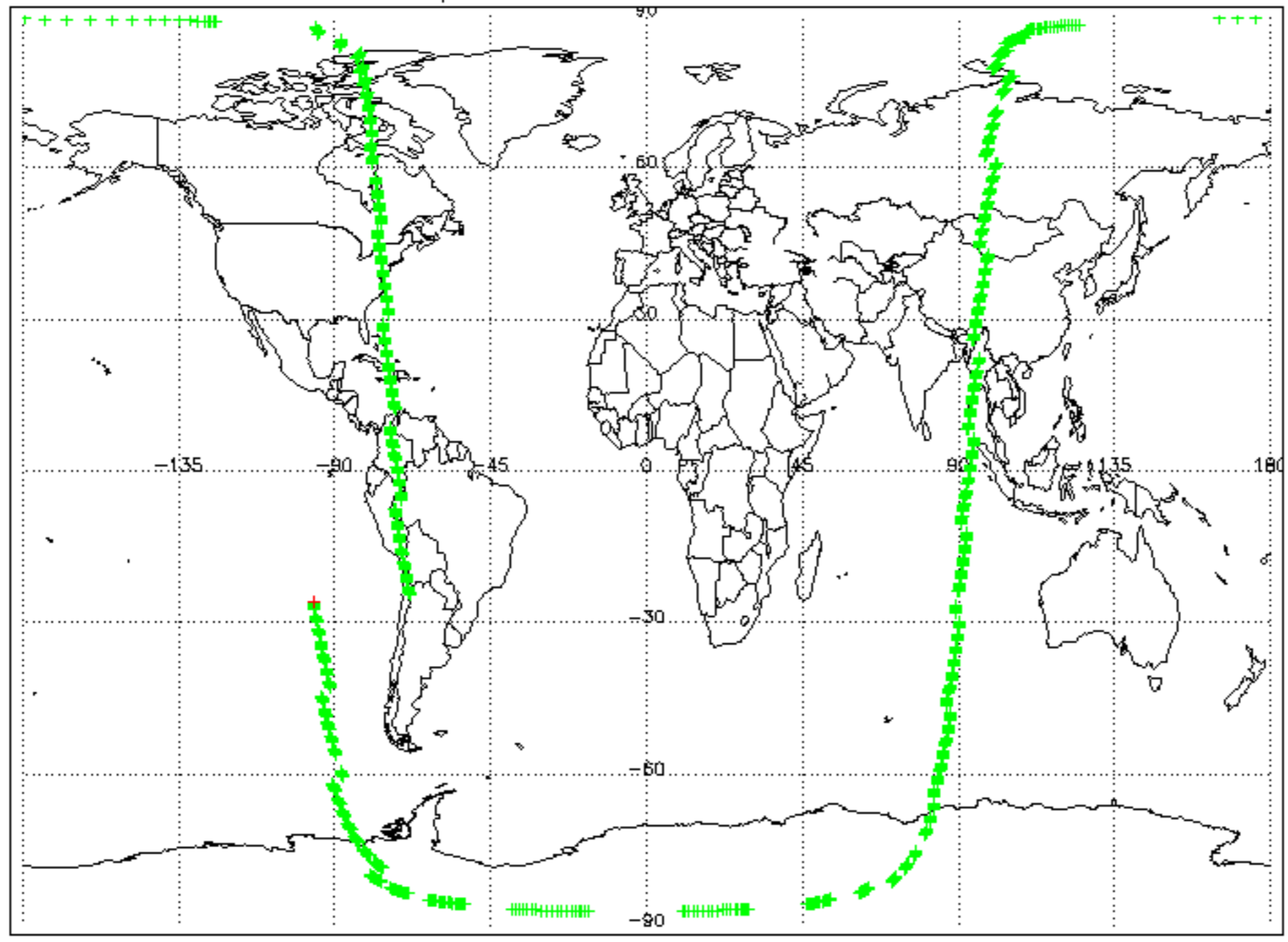


- + not corrupted
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Bar plot of MIPNL1P_MIPLEV1BMDS_band_val band B

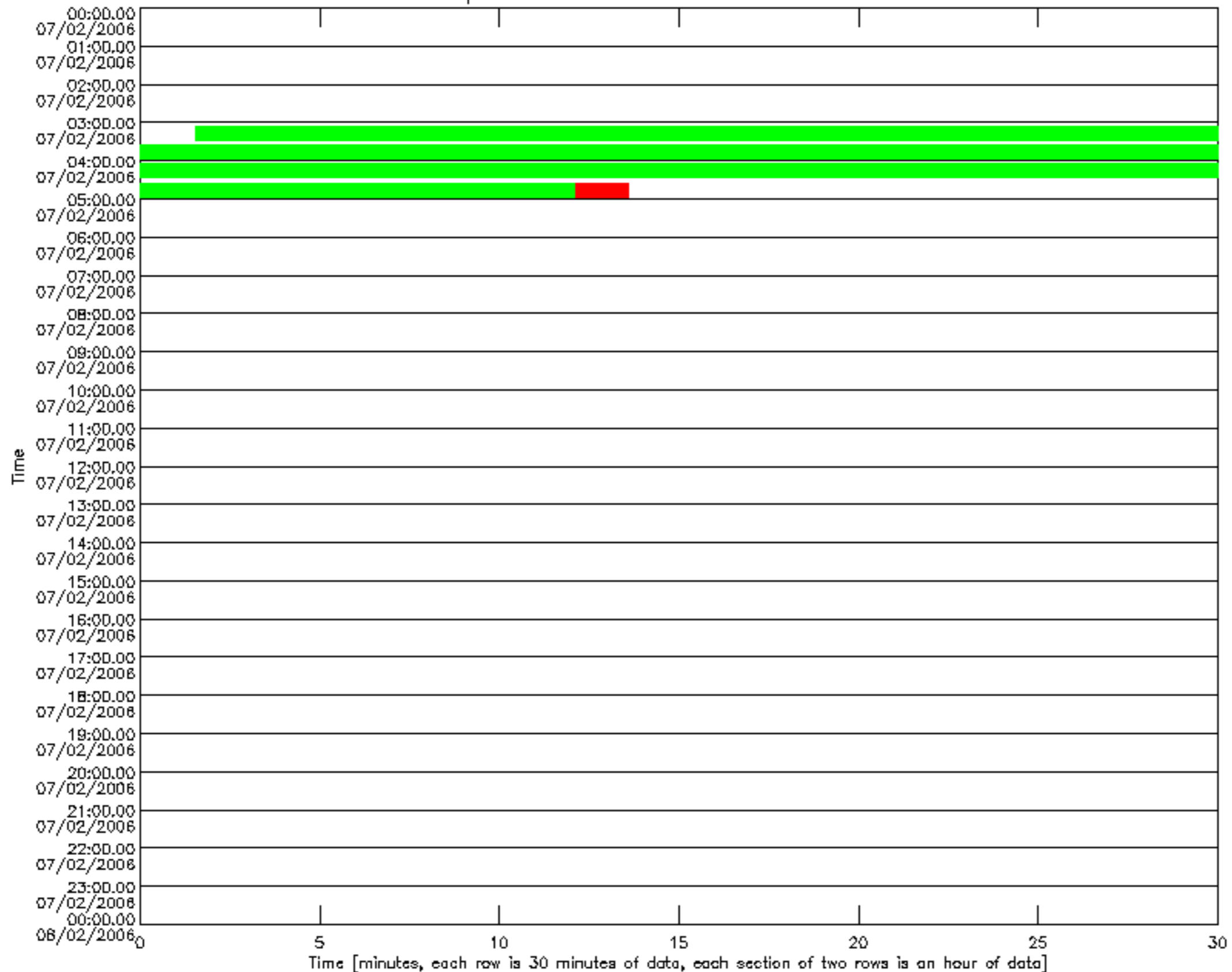


Geolocation plot of MIPNL1P_MIPLEV1BMDS_band_val band B

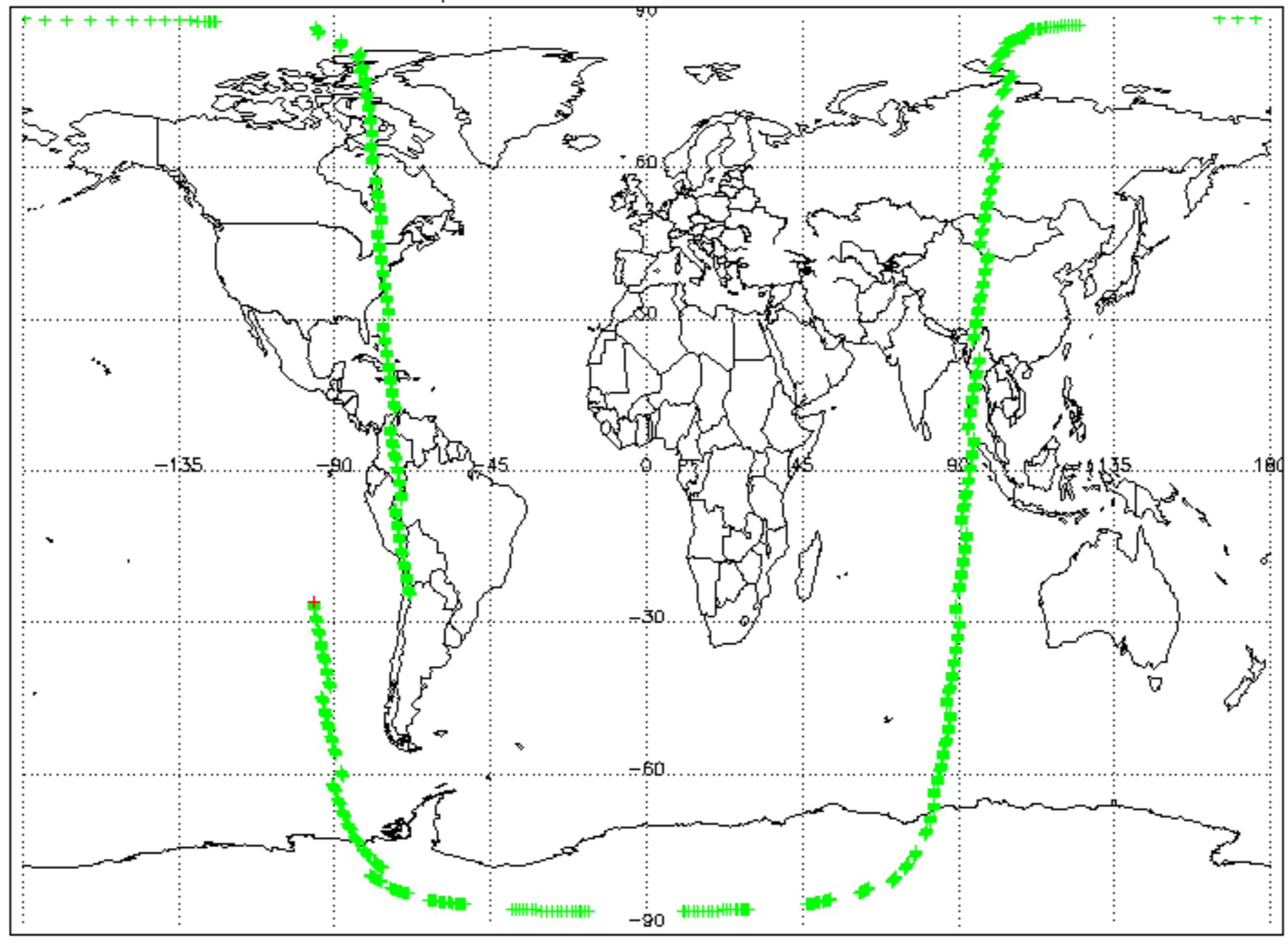


- + not corrupted
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Bar plot of MIPNL1P_MIPLEV1BMDS_band_val band C

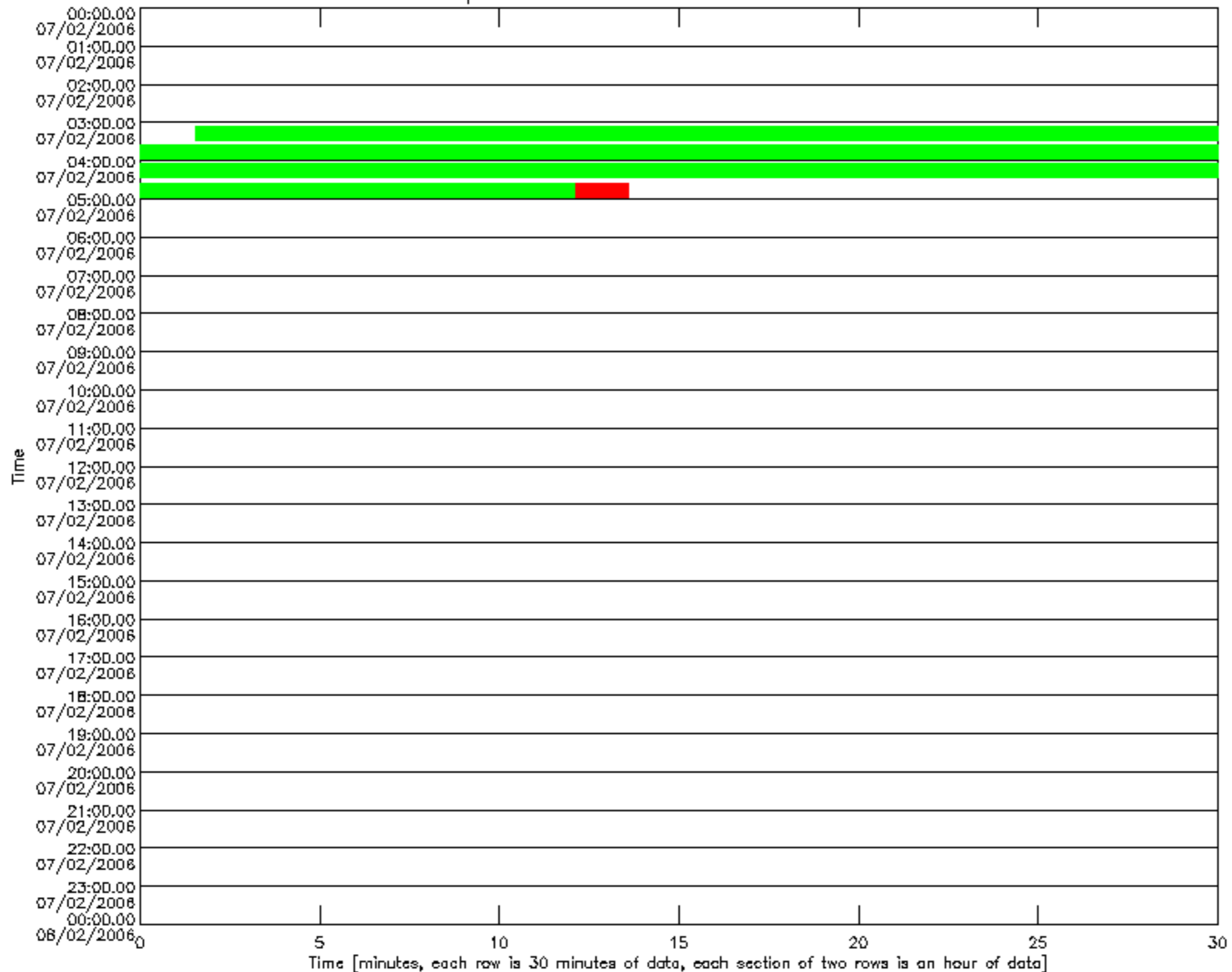


Geolocation plot of MIPNL1P_MIPLEV1BMDS_band_val band C

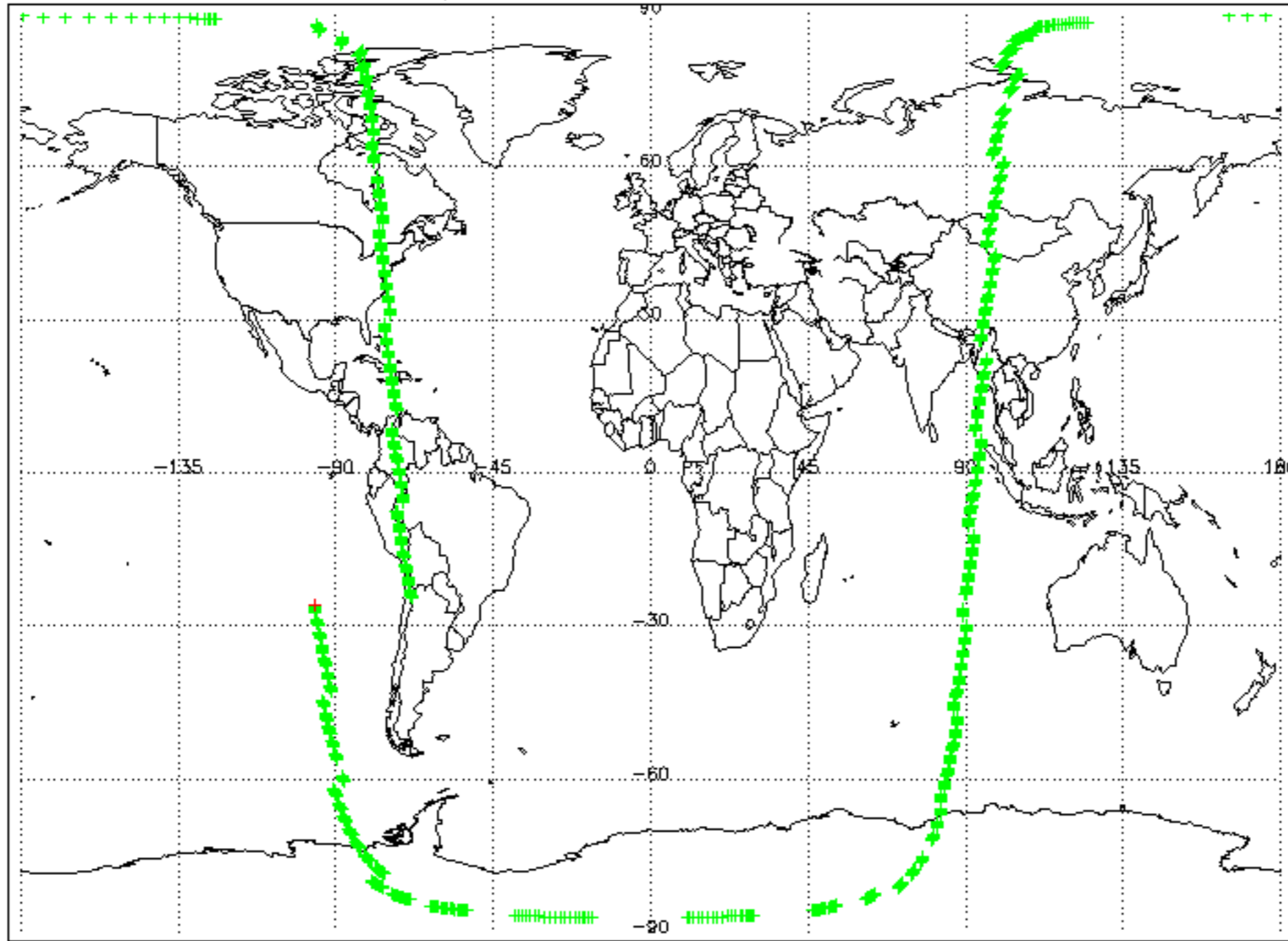


- + not corrupted
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- + corrupted transmission
- + Unknown 2
- + corrupted observational

Bar plot of MIPNL1P_MIPLEV1BMDS_band_val band D

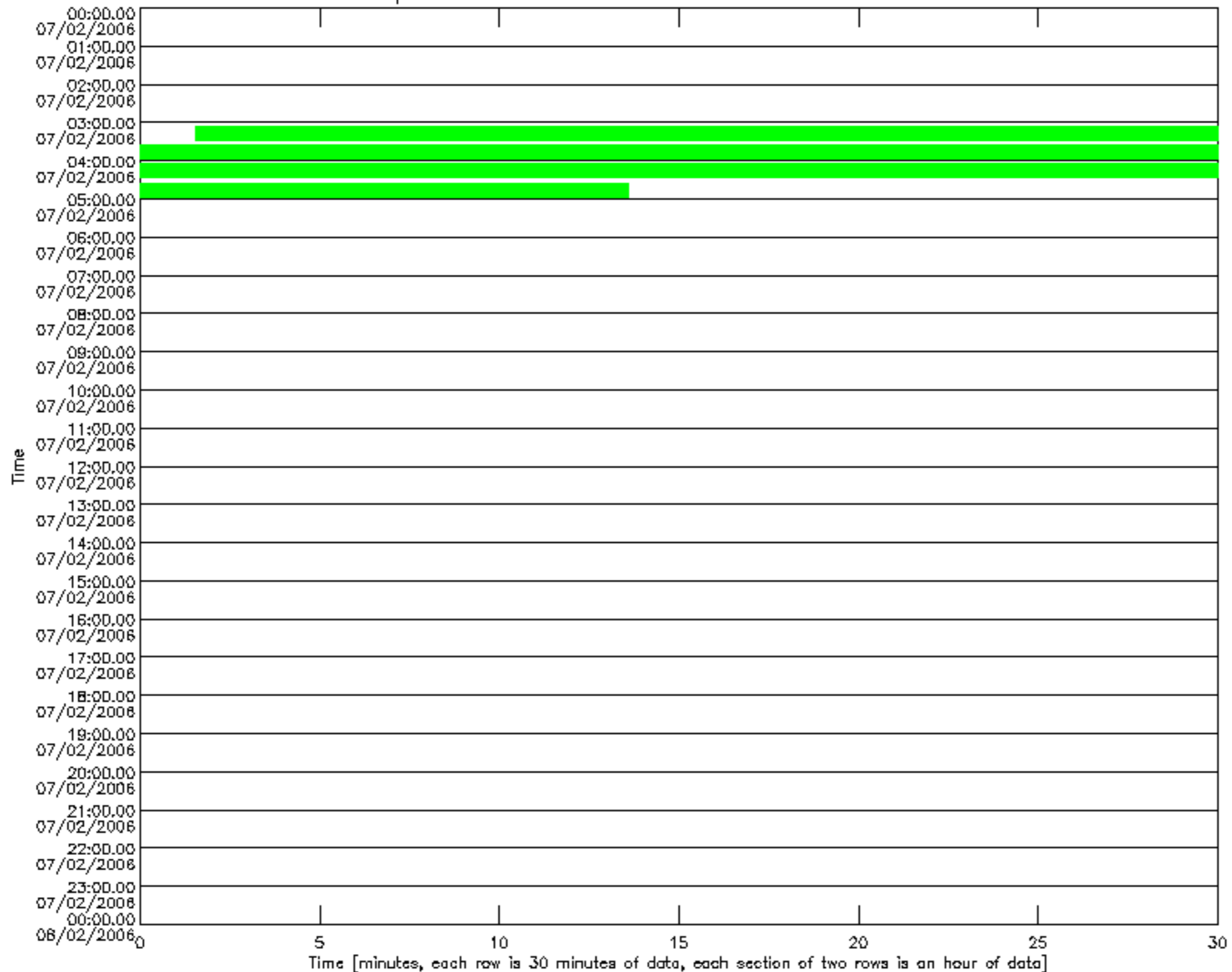


Geolocation plot of MIPNL1P_MIPLEV1BMDS_band_val band D



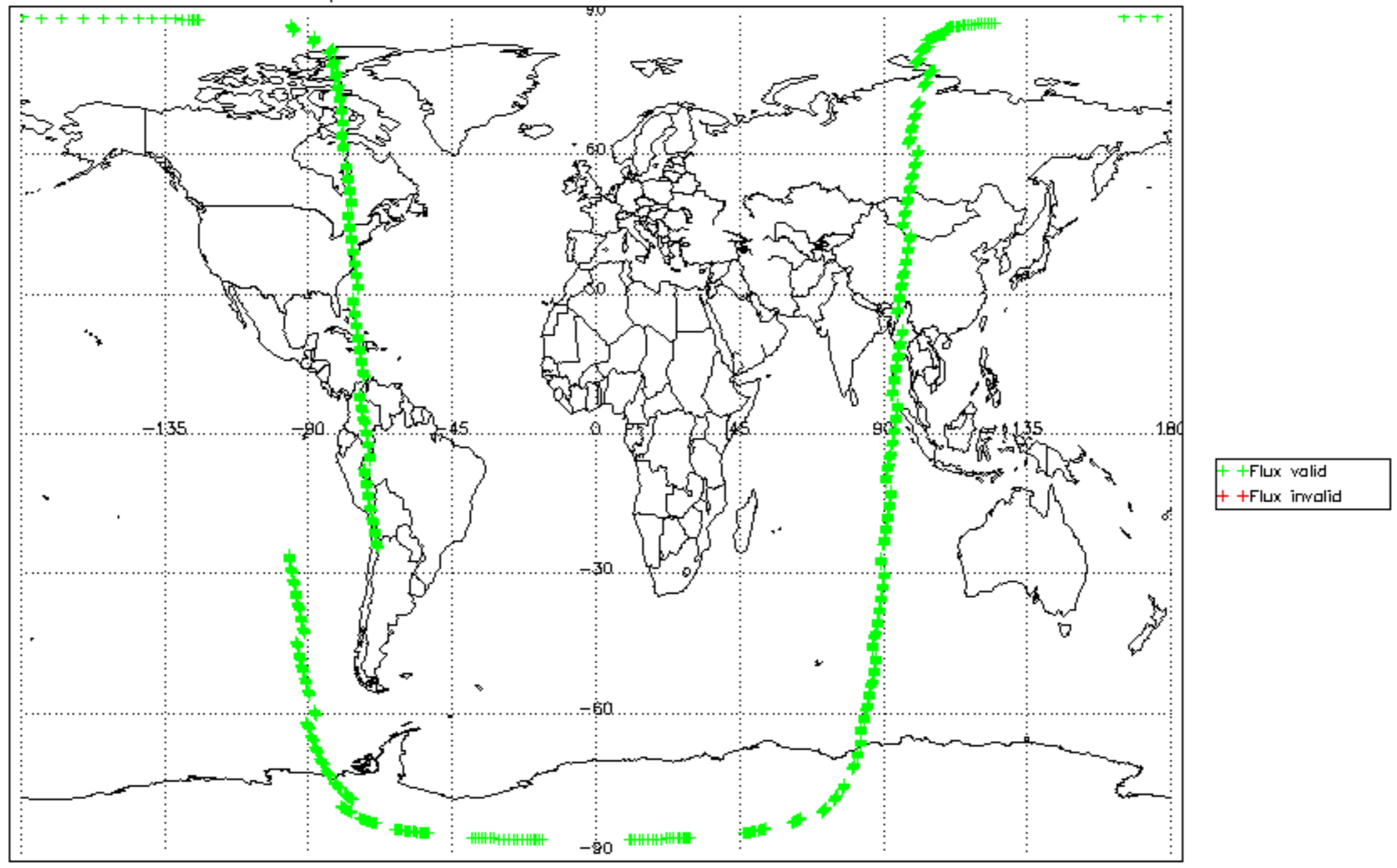
- + not corrupted
- + Unknown
- + corrupted transmission
- + Unknown 2
- + corrupted observational

Bar plot of MIPNL1P_MIPLEV1BMDS_detect_non_lin_flux detector A1

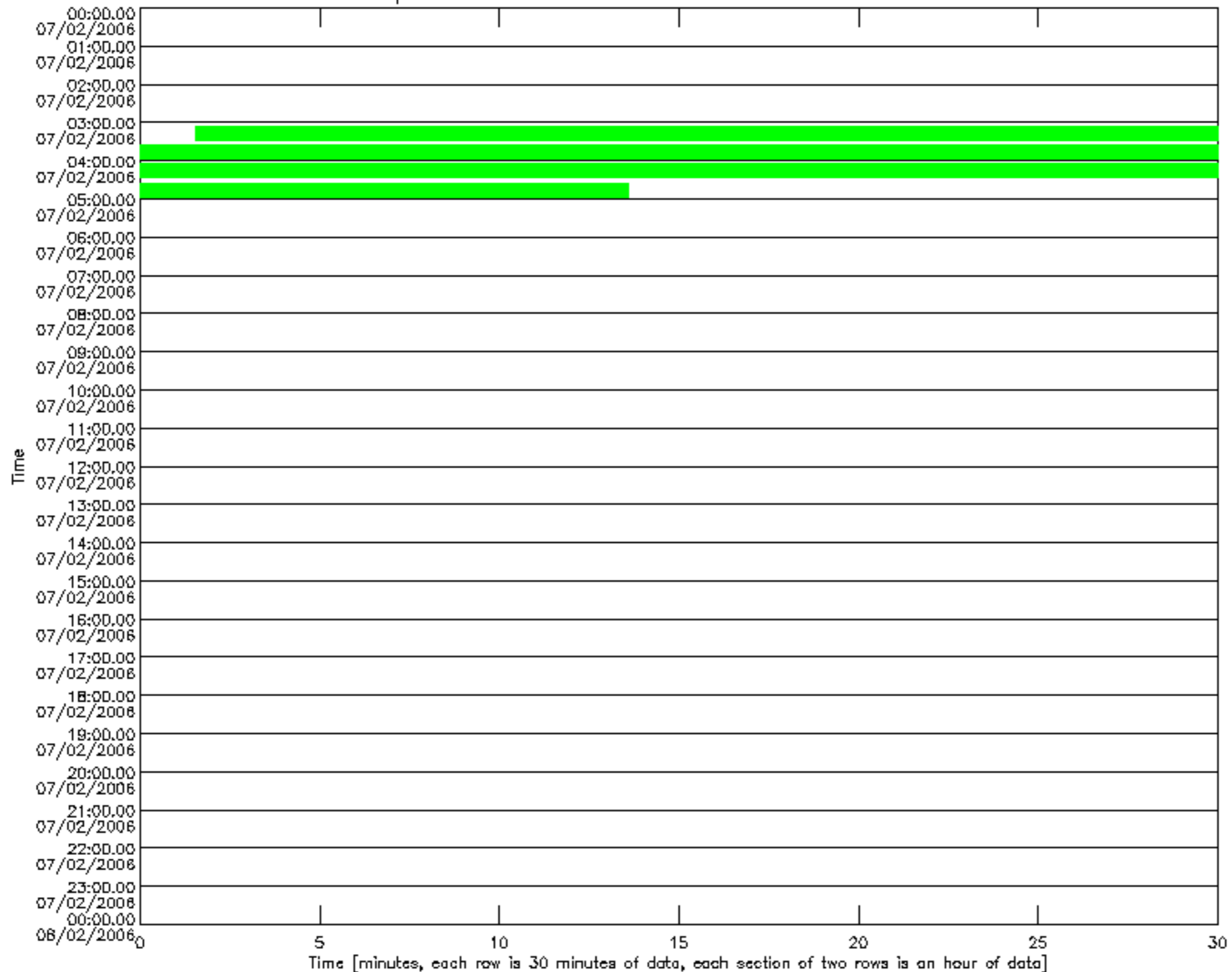


■ Flux valid
■ Flux invalid

Geolocation plot of MIPNL1P_MIPLEV1BMDS_detect_non_jin_flux detector A1

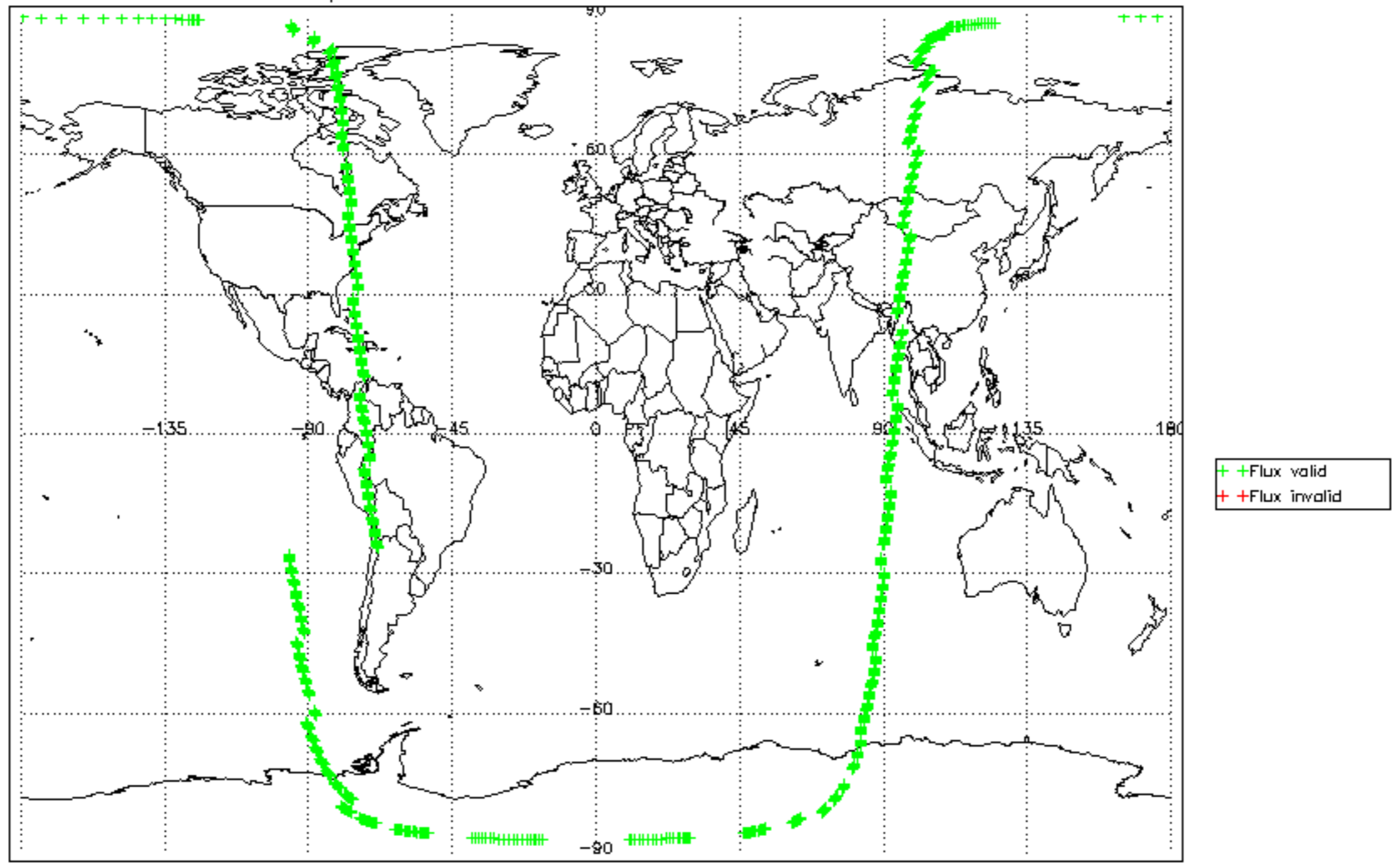


Bar plot of MIPNL1P_MIPLEV1BMDS_detect_non_lin_flux detector A2

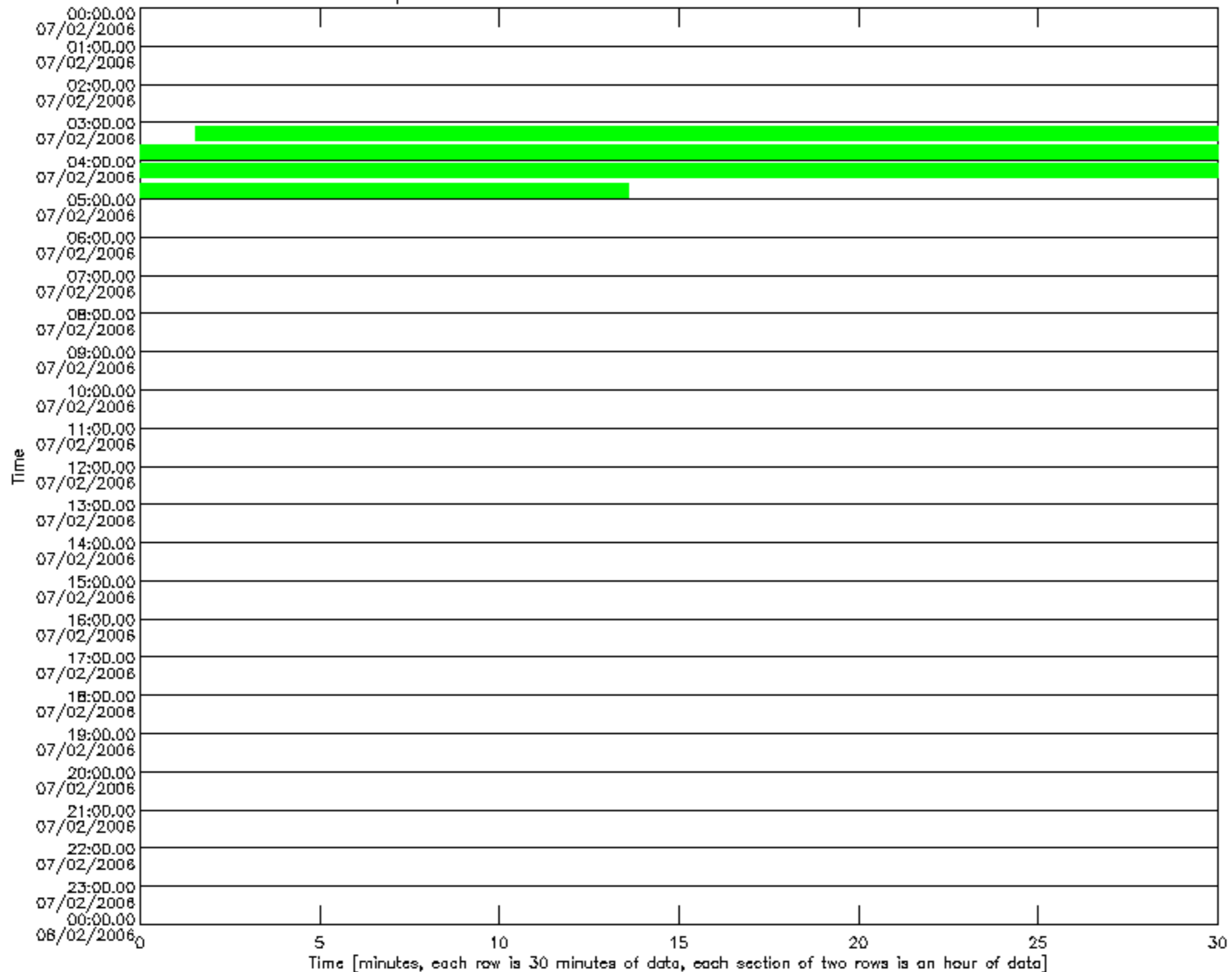


■ Flux valid
■ Flux invalid

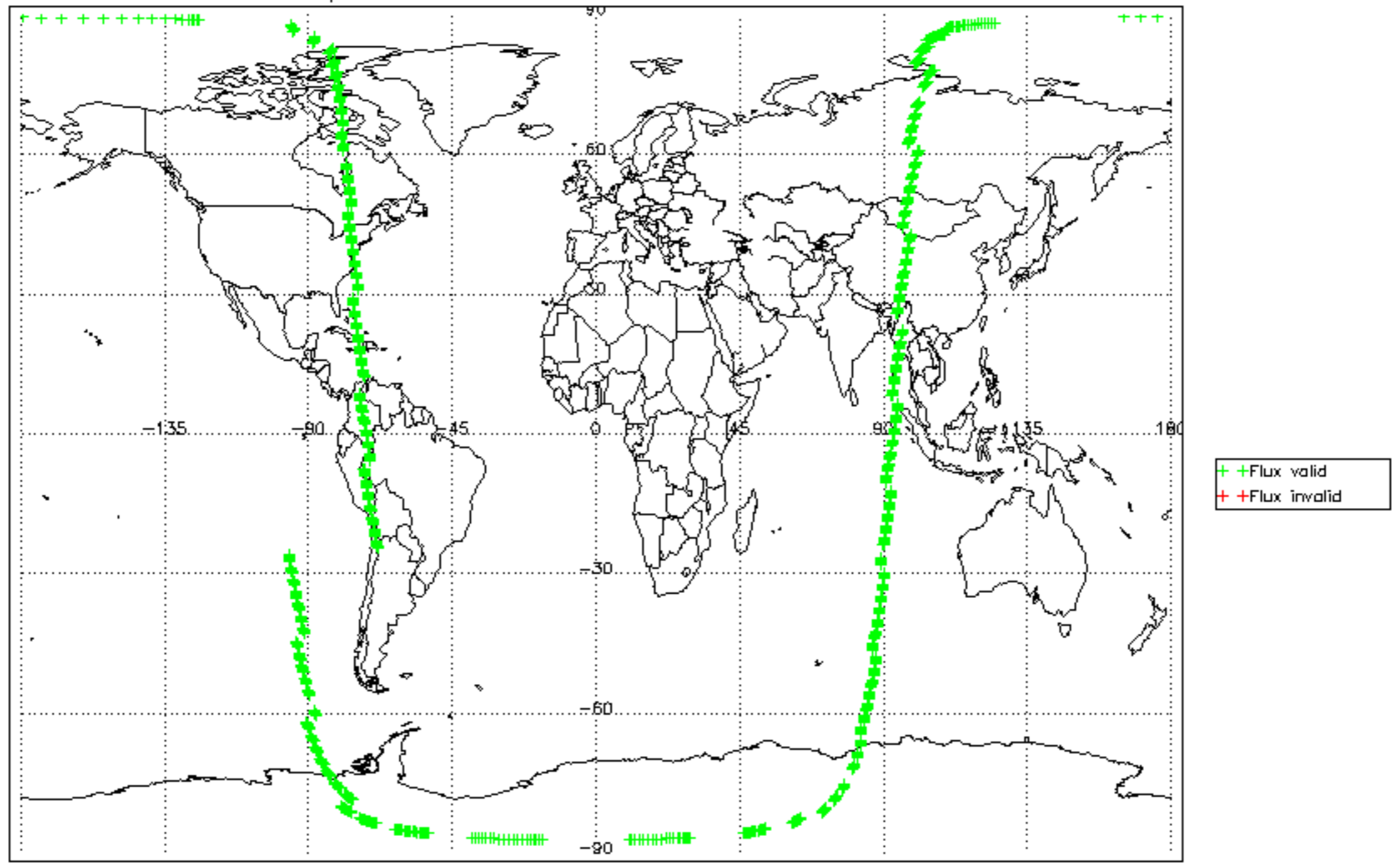
Geolocation plot of MIPNL1P_MIPLEV1BMDS_detect_non_in_flux detector A2



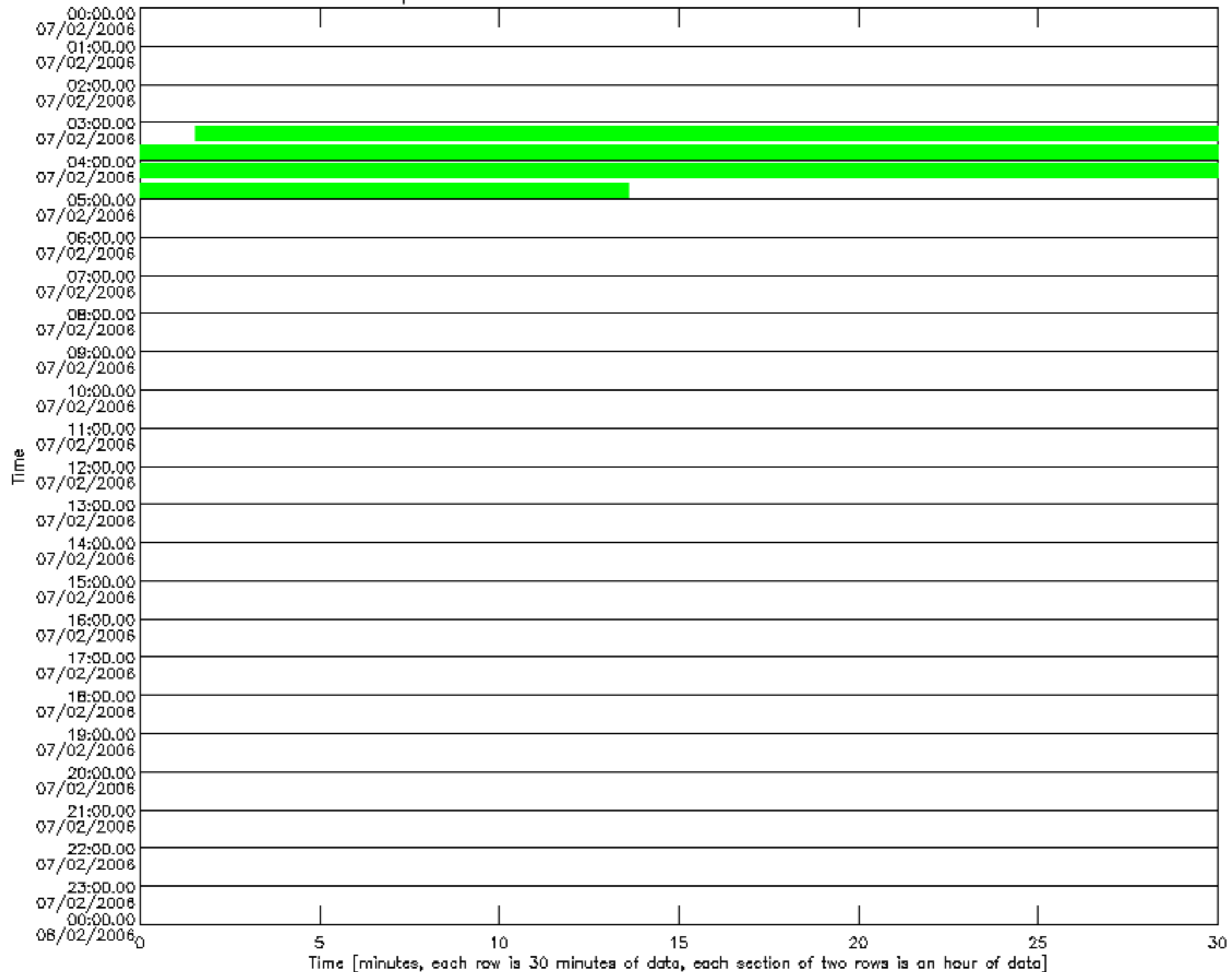
Bar plot of MIPNL1P_MIPLEV1 BMDS_detect_non_lin_flux detector AB



Geolocation plot of MIPNL1P_MIPLEV1BMDS_detect_non_lin_flux detector AB

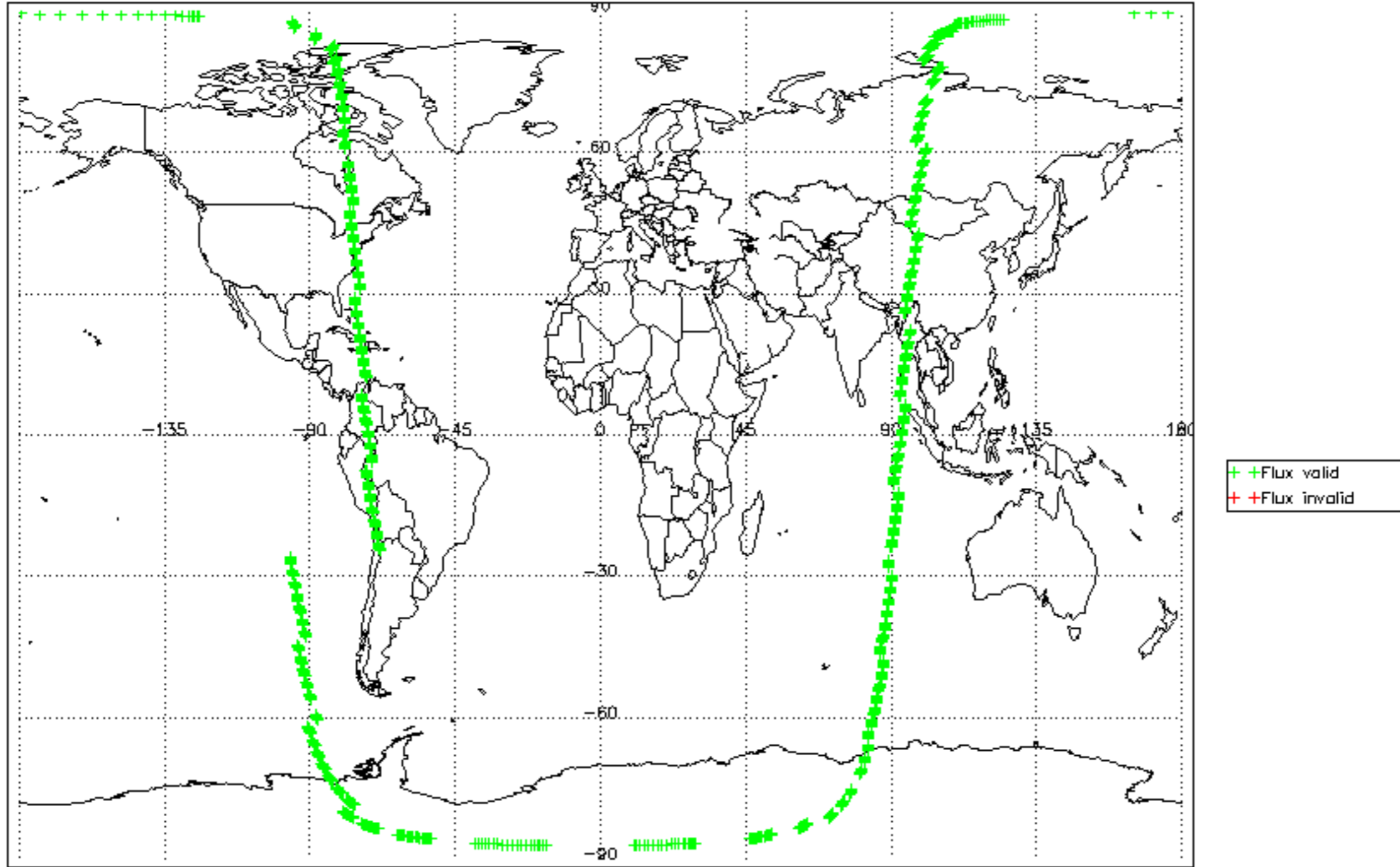


Bar plot of MIPNL1P_MIPLEV1BMDS_detect_non_lin_flux detector B

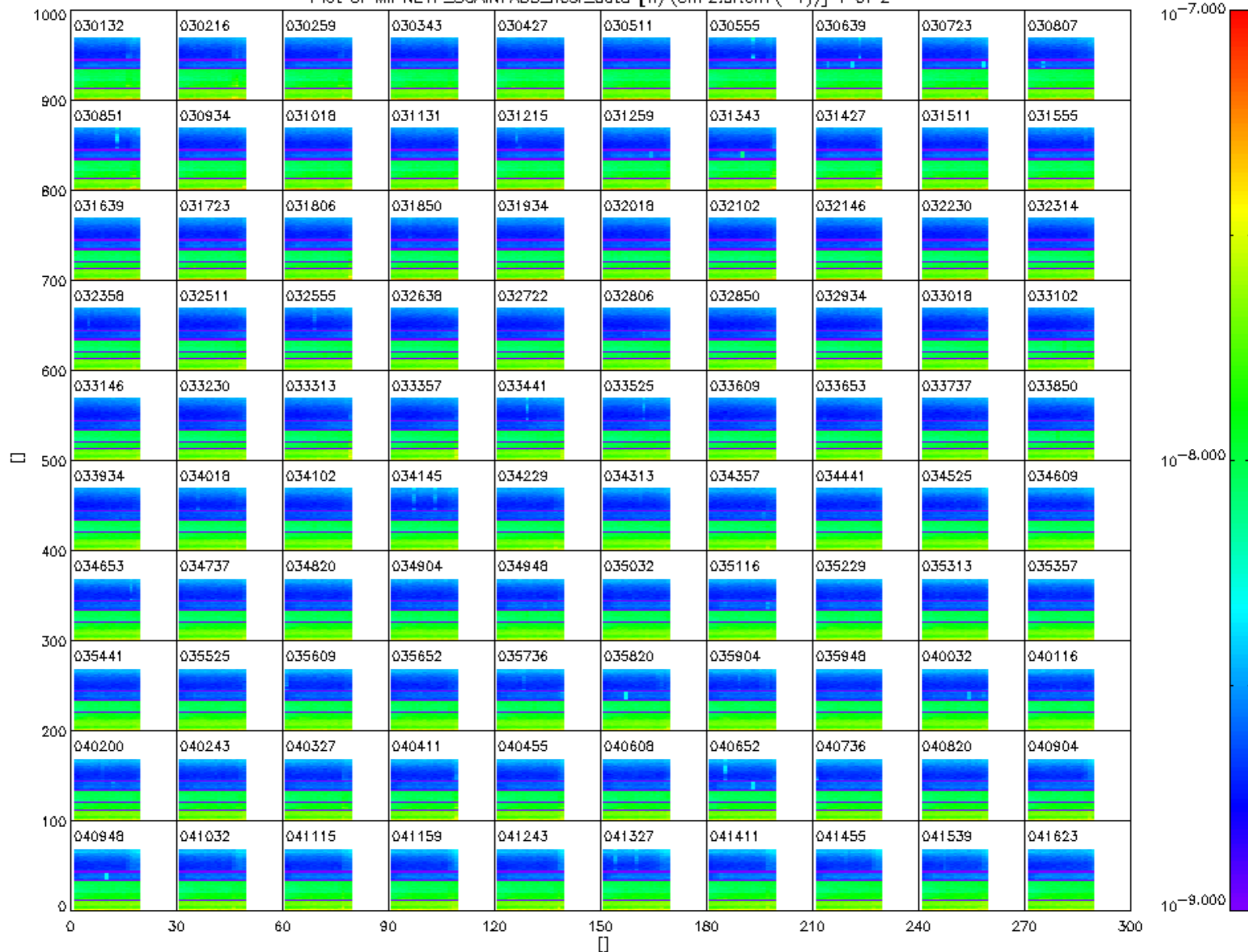


█ Flux valid
█ Flux invalid

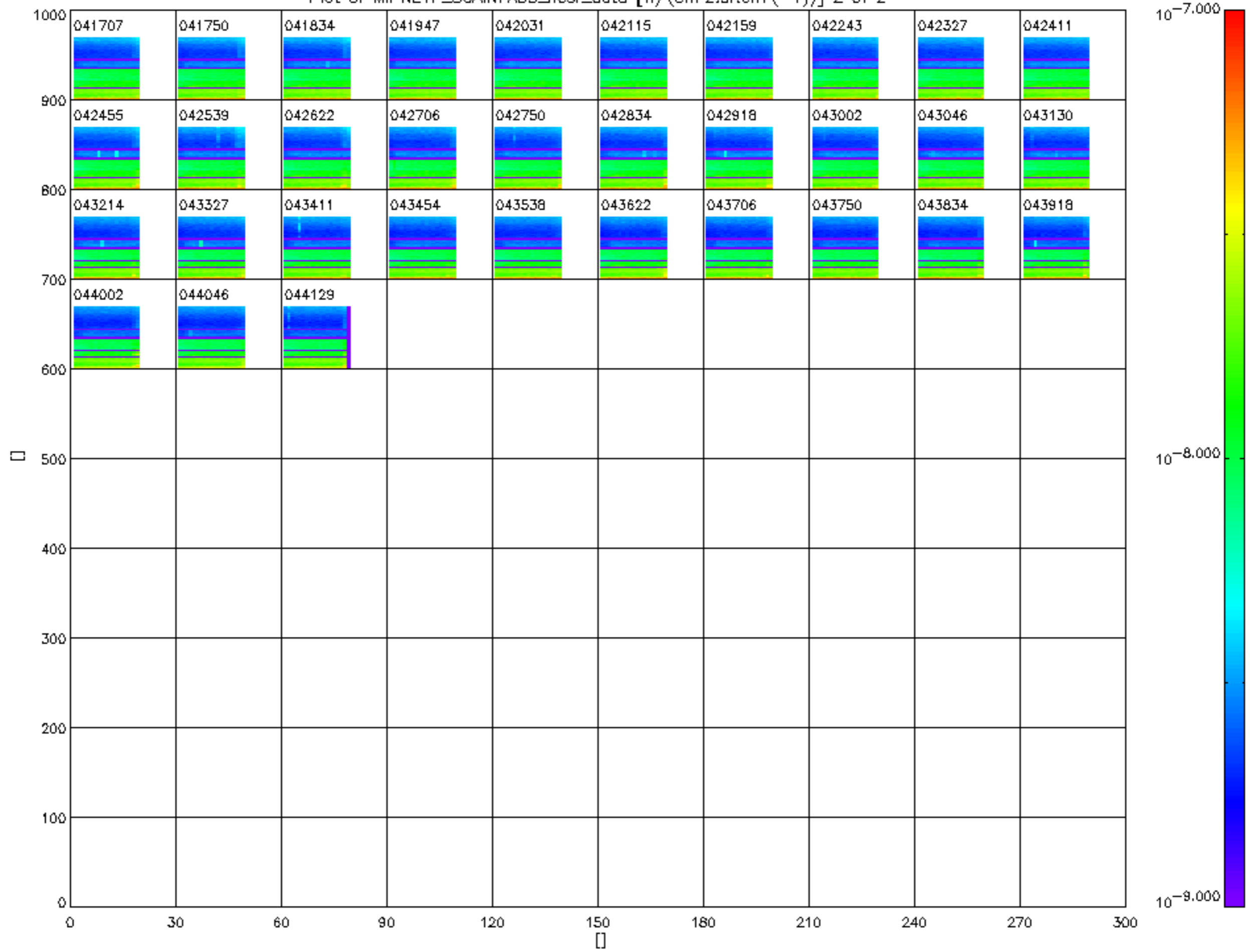
Geolocation plot of MIPNL1P_MIPLEV1BMDS_detect_non_Jin_flux detector B



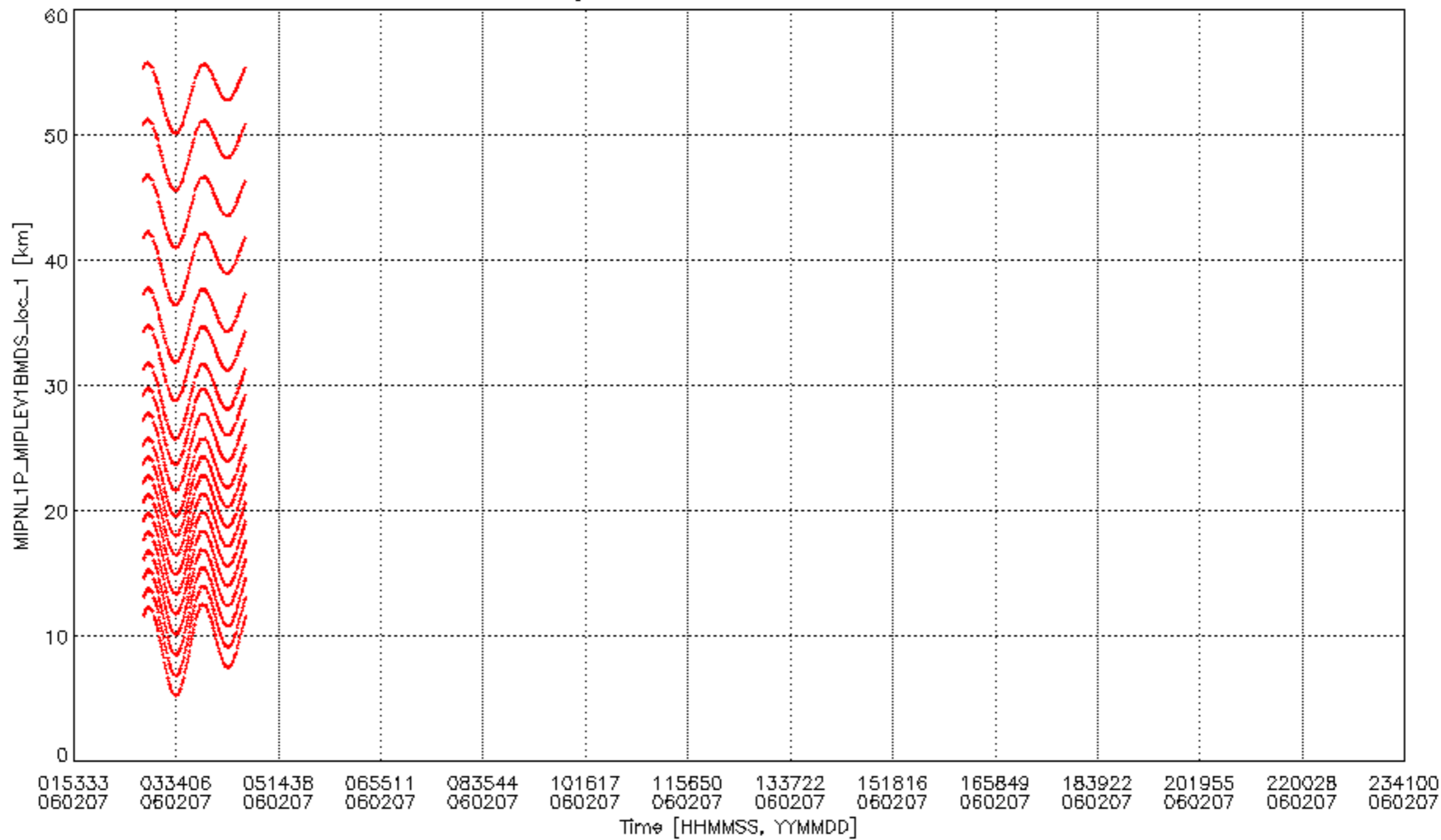
Plot of MIPNL1P_SCAINFADS_nesr_data [W/(cm².sr.cm⁻¹)] 1 of 2



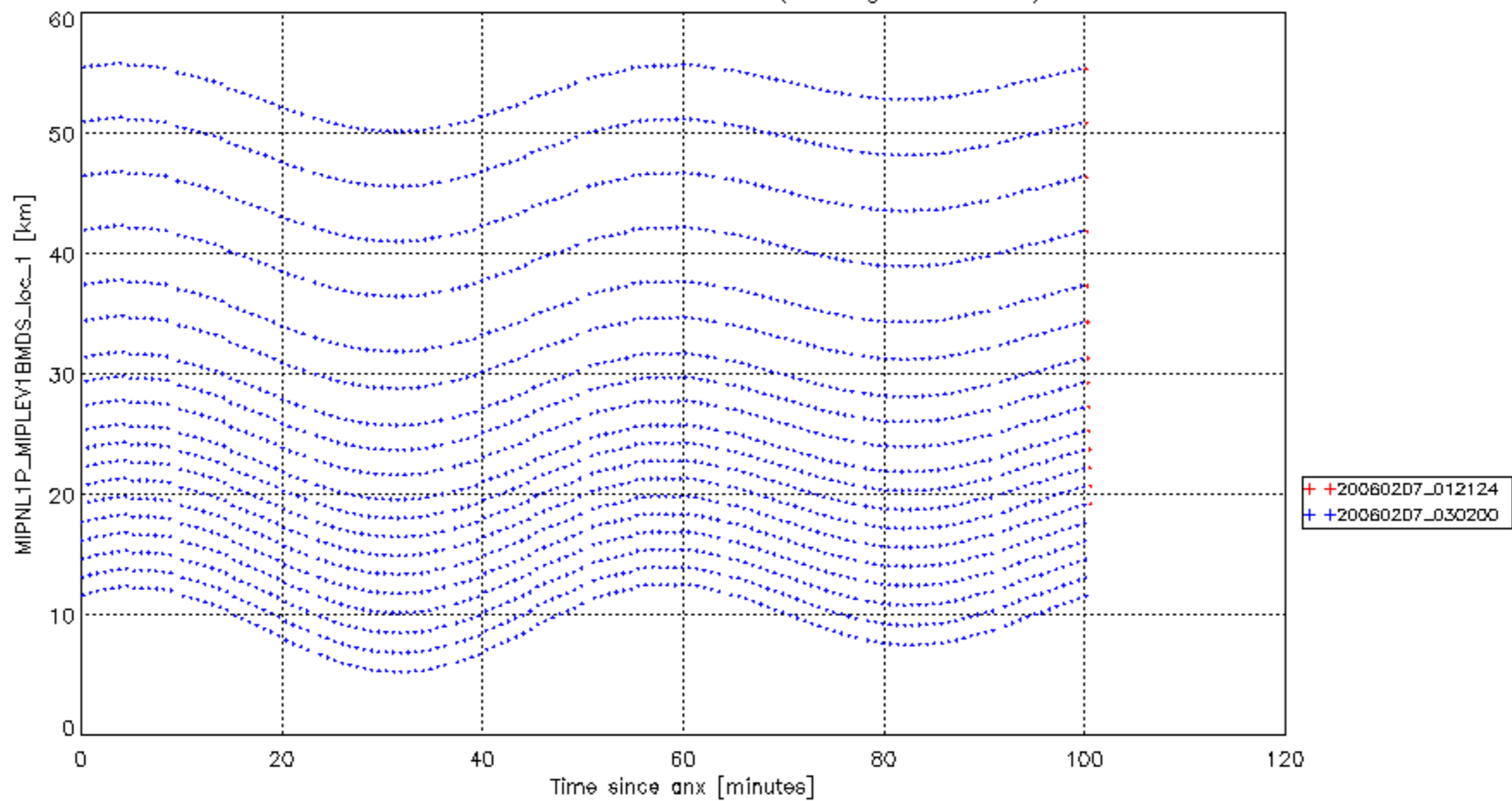
Plot of MIPNL1P_SCAINFADS_nesr_data [W/(cm².sr.cm⁻¹)] 2 of 2

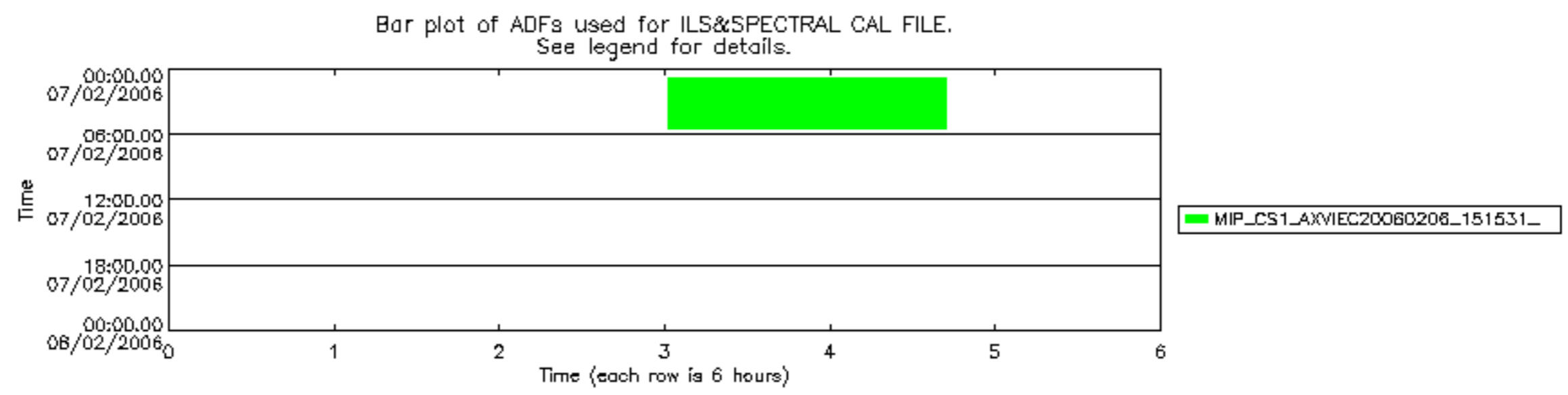


Plot of MIPNL1P_MIPLEV1BMDS_loc_1 against time.
The vertical grid lines indicate estimated anx events.



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





Bar plot of ADFs used for GAIN CALIBRATION FILE.
See legend for details.

