

# 1. MIPAS Daily Report for level 1 products

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## [1.2 Product Quality Indicators](#)

## [1.3 Physical Quality Indicators](#)

## [1.4 ADF monitoring](#)

### 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 11:54:41
Data source version	MIPAS/4.65-P
Processing scope for products	19FEB2006 00:00:00 to 20FEB2006 00:00:00
Start time of first product within scope	19FEB2006 21:51:13
Stop time of last product within scope	19FEB2006 22:35:00
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.

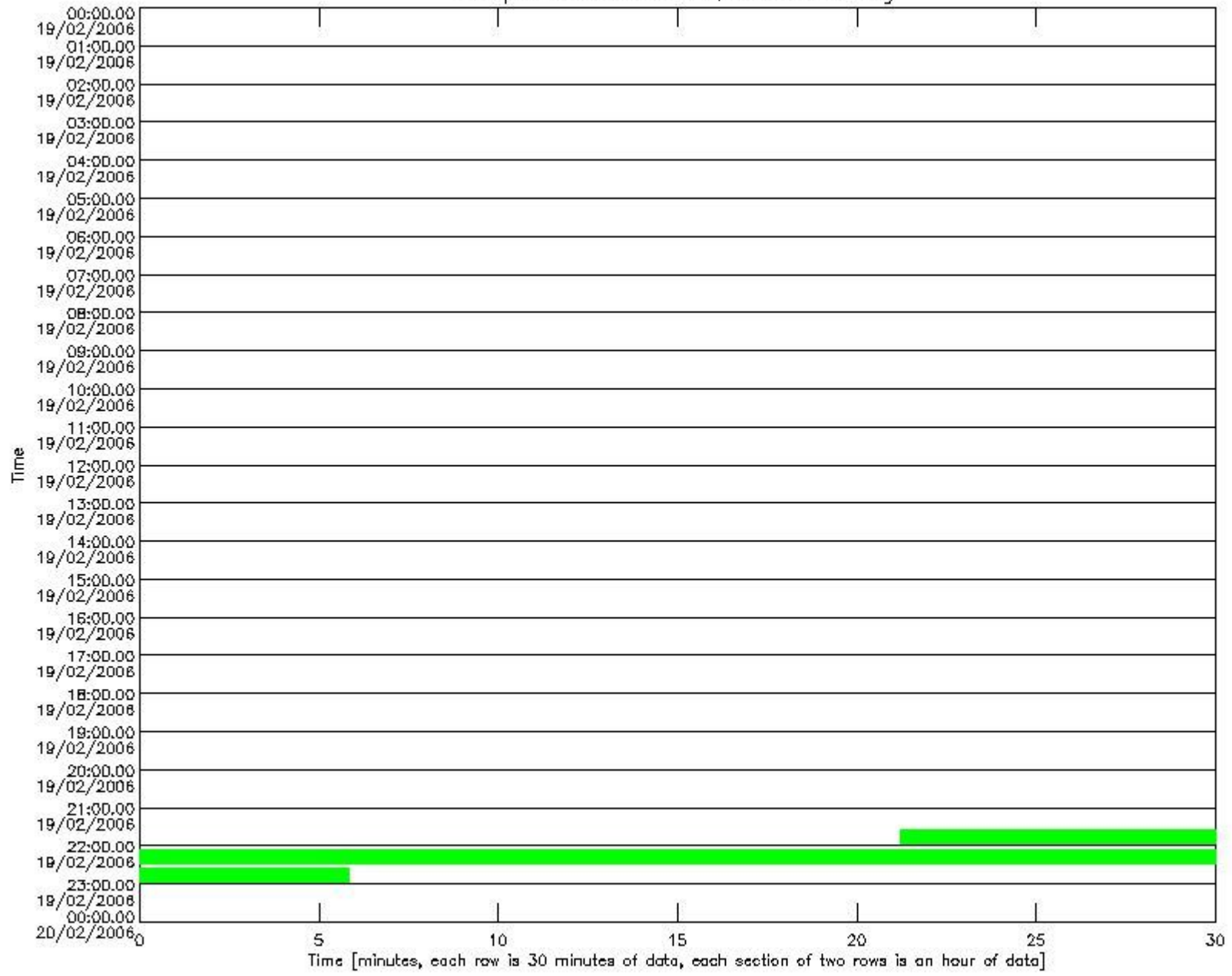
#	Product name	Start time	Stop time	Prod err	Slice position (prod/tot)
0	MIP_NL__1PPDPA20060219_215113_000026272045_00187_20782_2160.N1	19FEB2006 21:51:13	19FEB2006 22:35:00	0	0/0

### 1.2 Product Quality Indicators

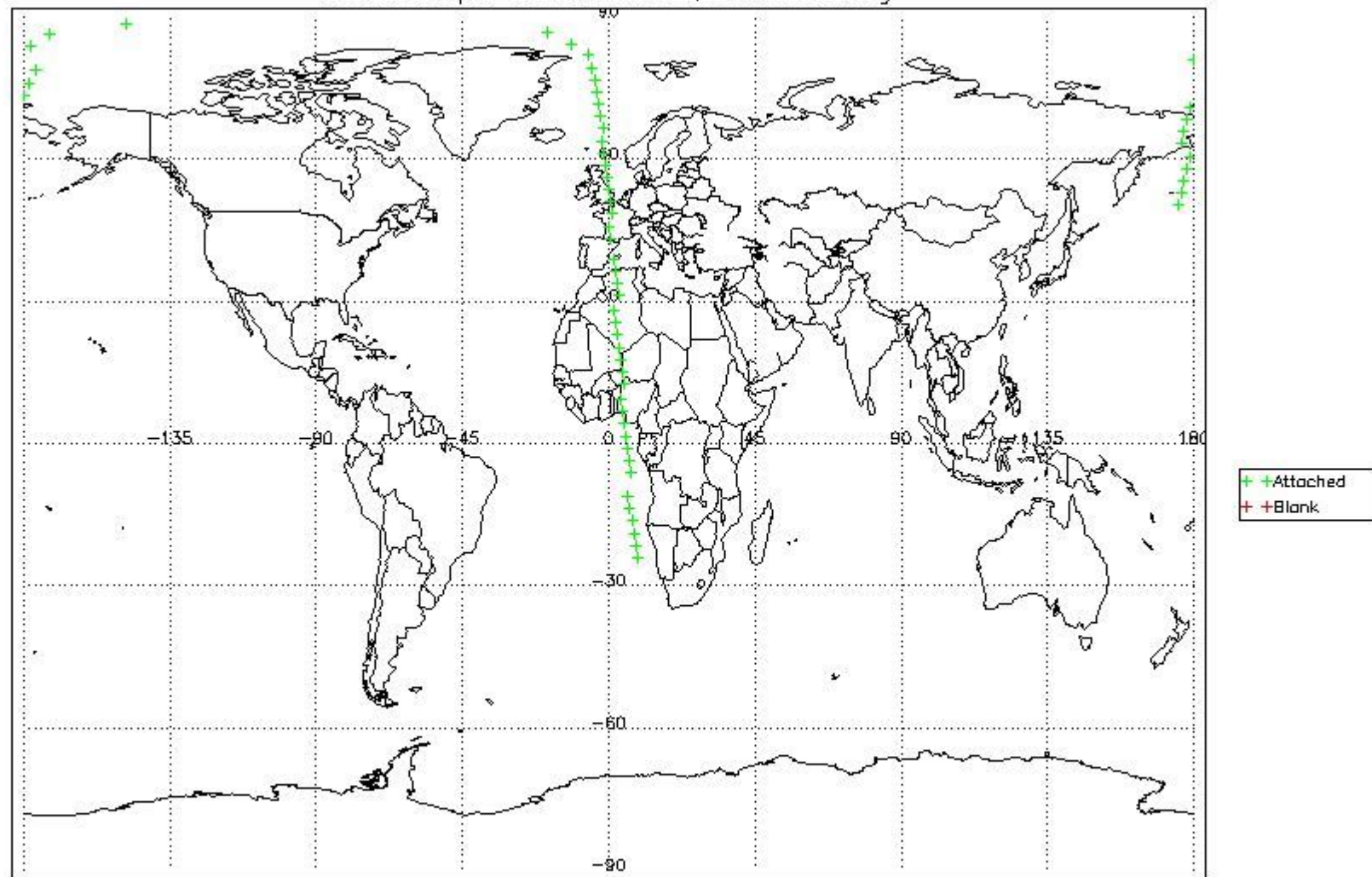
This report contains an analysis on product quality related parameters within the MIP\_NL\_\_1P product.

#### 1.2.1 Trends and geolocation of Summary Quality ADS

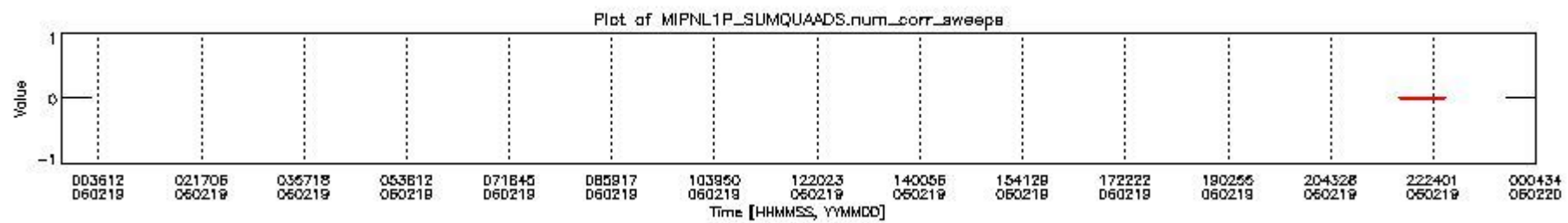
Bar plot of MIPNL1P\_SUMQUAADS.attach\_flag



Geolocation plot of MIPNL1P\_SUMQUAADS.attach\_flag

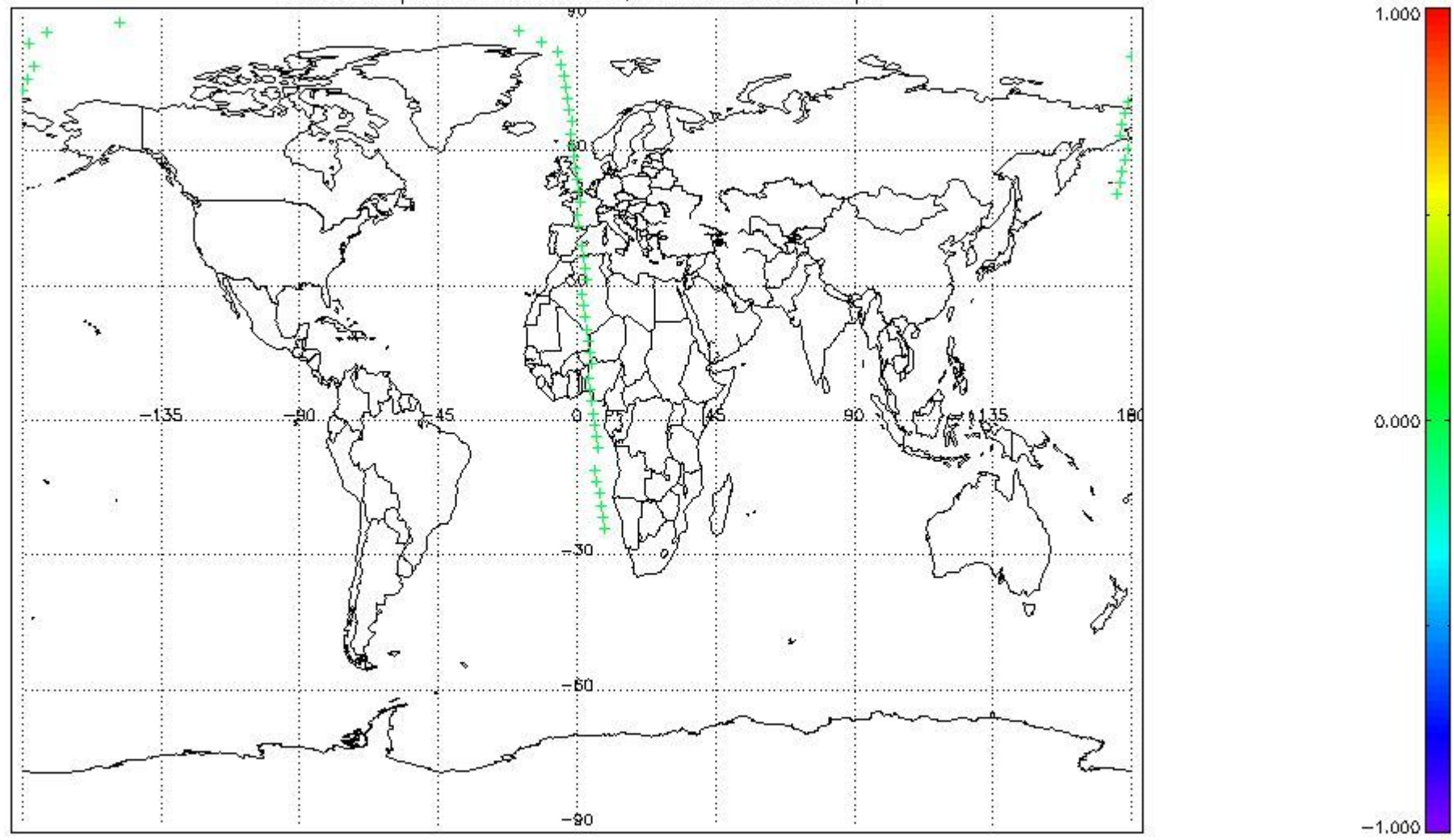


mipas\_daily\_report\_level1\_OFI\_MIPAS\_4\_65\_P\_20060219\_1.PNG

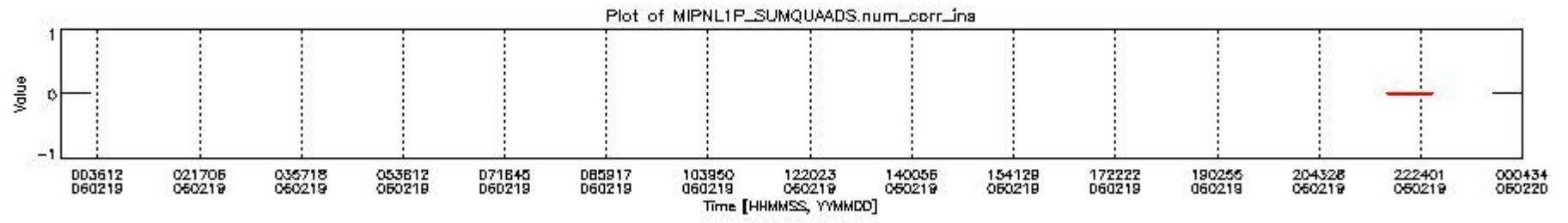


mipas\_daily\_report\_level1\_OFI\_MIPAS\_4\_65\_P\_20060219\_2.PNG

Geolocation plot of MIPNL1P\_SUMQUAADS.num\_corr\_sweeps

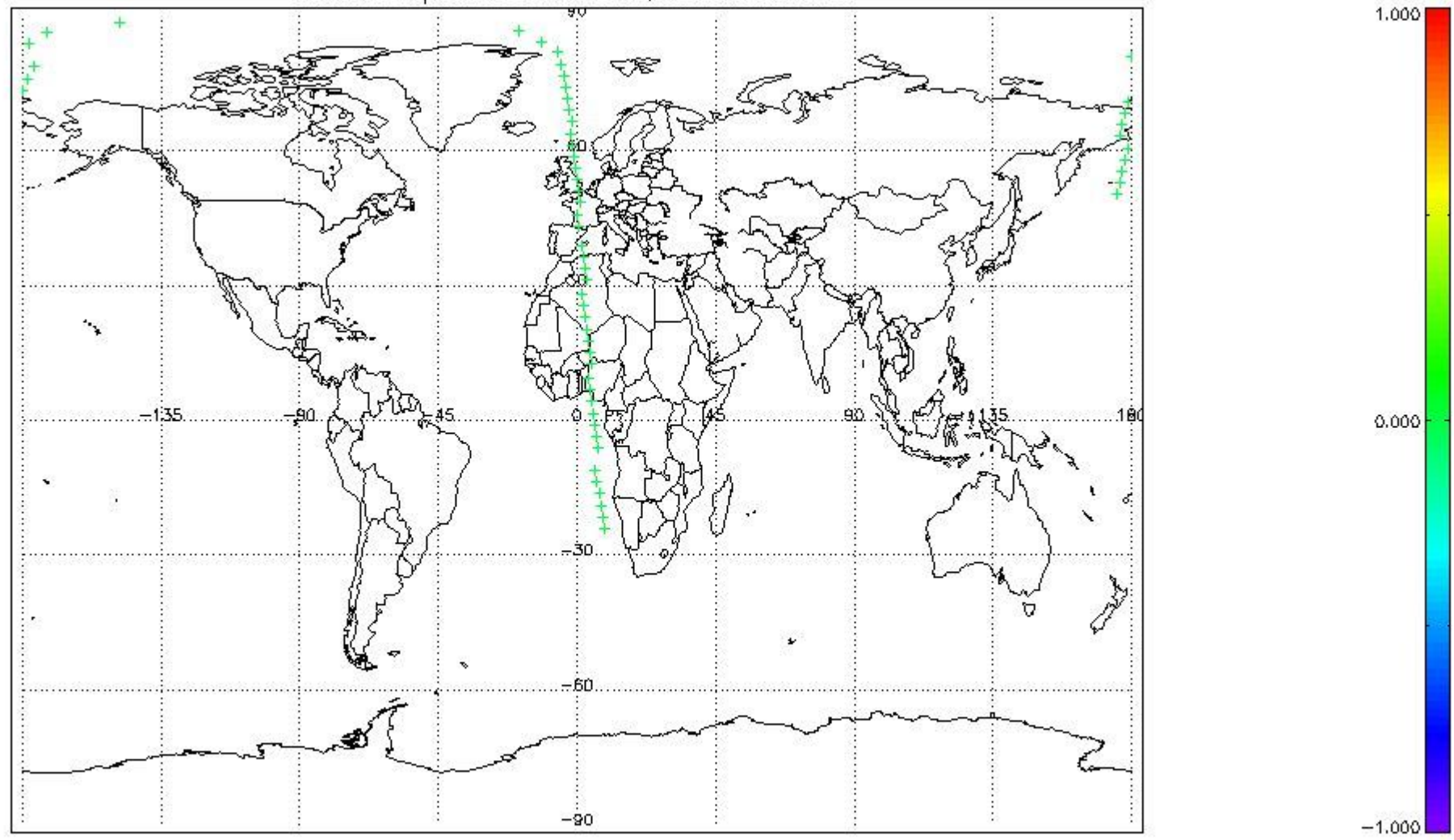


mipas\_daily\_report\_level1\_OFI\_MIPAS\_4\_65\_P\_20060219\_3.PNG

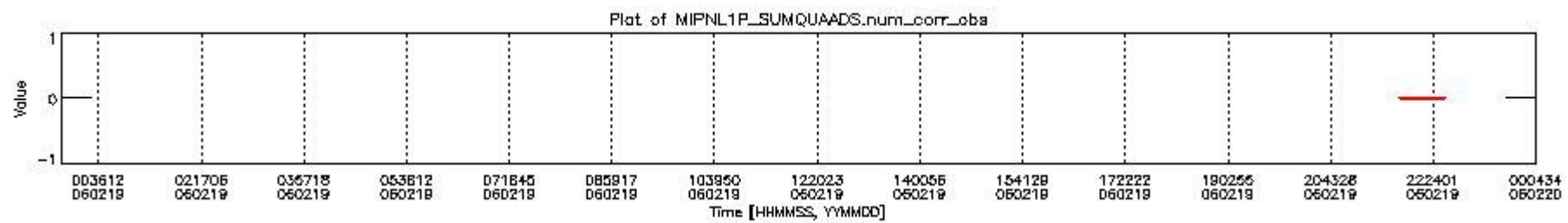


mipas\_daily\_report\_level1\_OFI\_MIPAS\_4\_65\_P\_20060219\_4.PNG

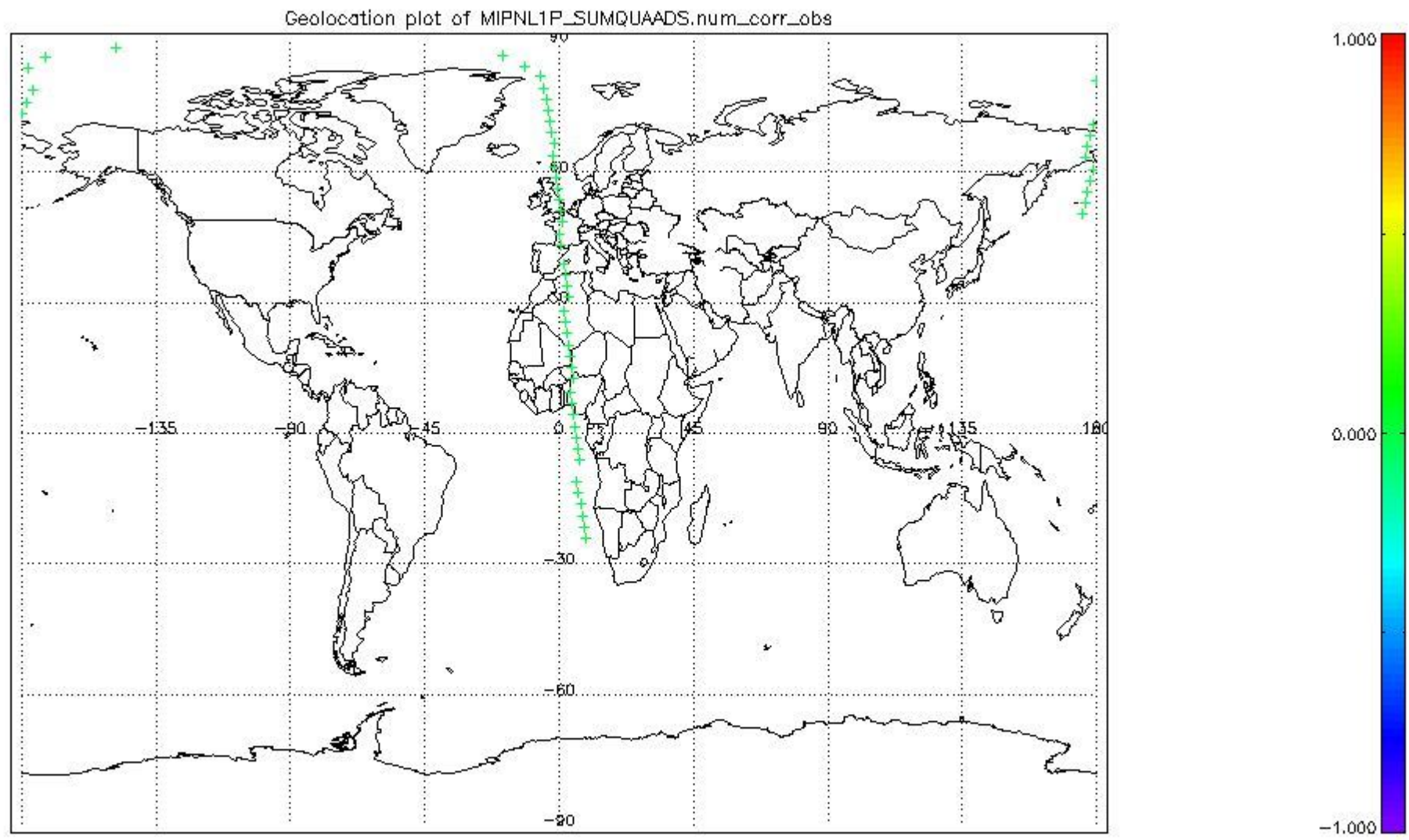
Geolocation plot of MIPNL1P\_SUMQUAADS.num\_corr\_ins



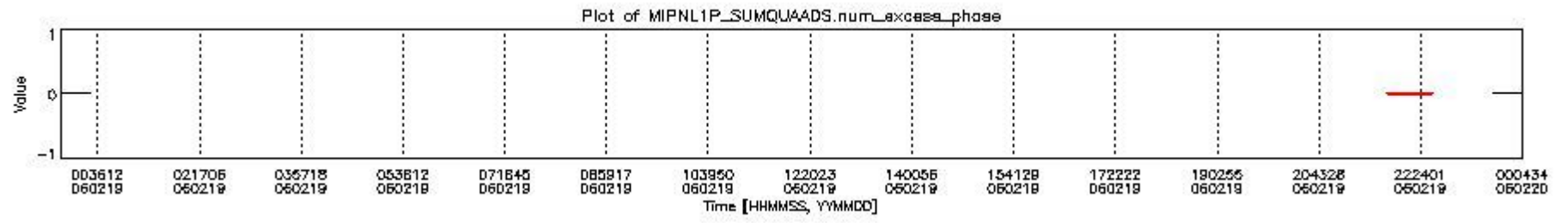
mipas\_daily\_report\_level1\_OFI\_MIPAS\_4\_65\_P\_20060219\_5.PNG



mipas\_daily\_report\_level1\_OFI\_MIPAS\_4\_65\_P\_20060219\_6.PNG

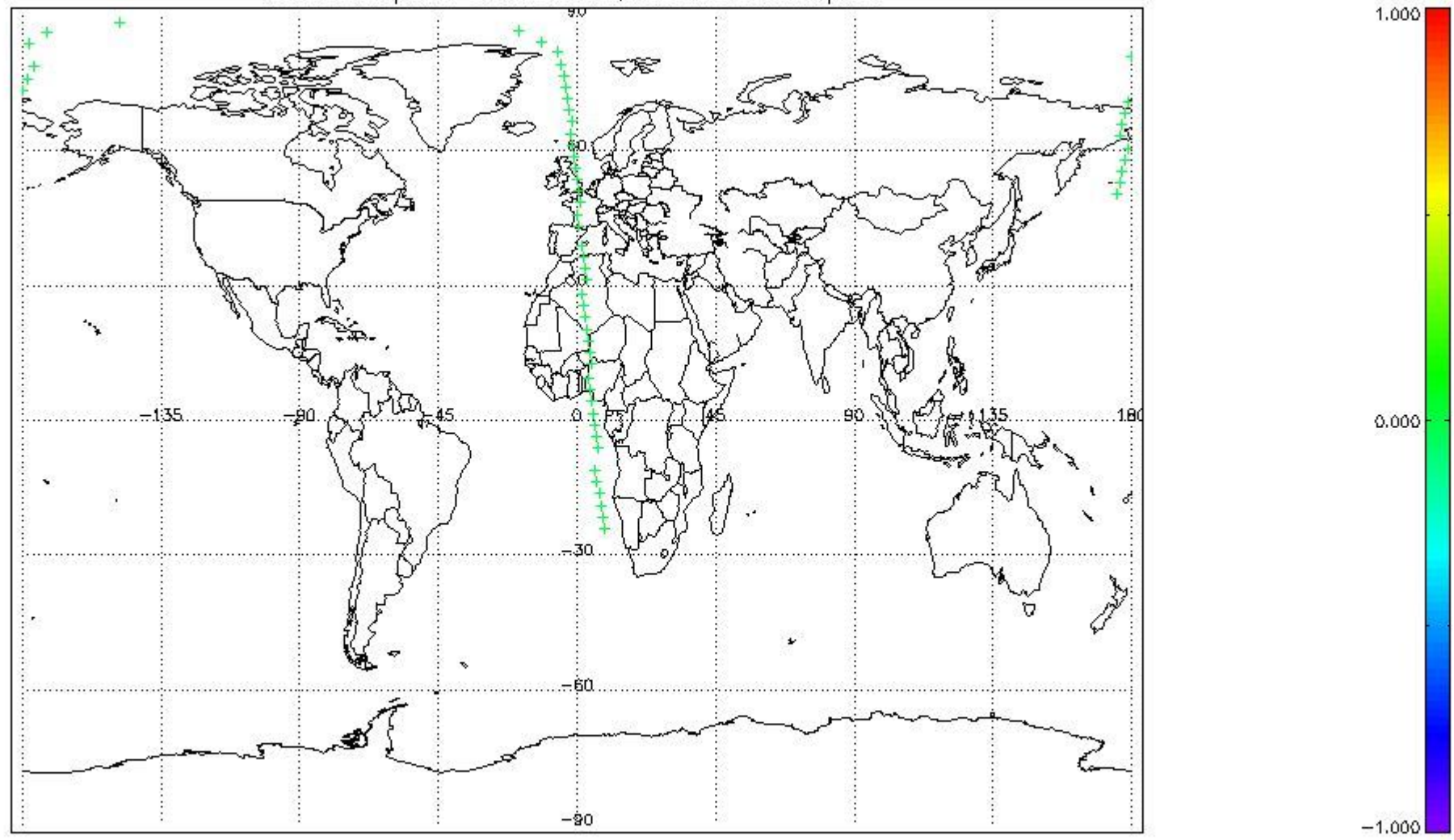


mipas\_daily\_report\_level1\_OFI\_MIPAS\_4\_65\_P\_20060219\_7.PNG

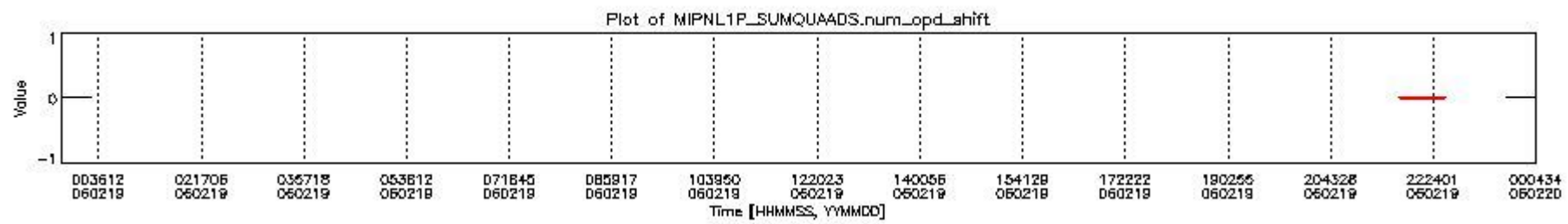


mipas\_daily\_report\_level1\_OFI\_MIPAS\_4\_65\_P\_20060219\_8.PNG

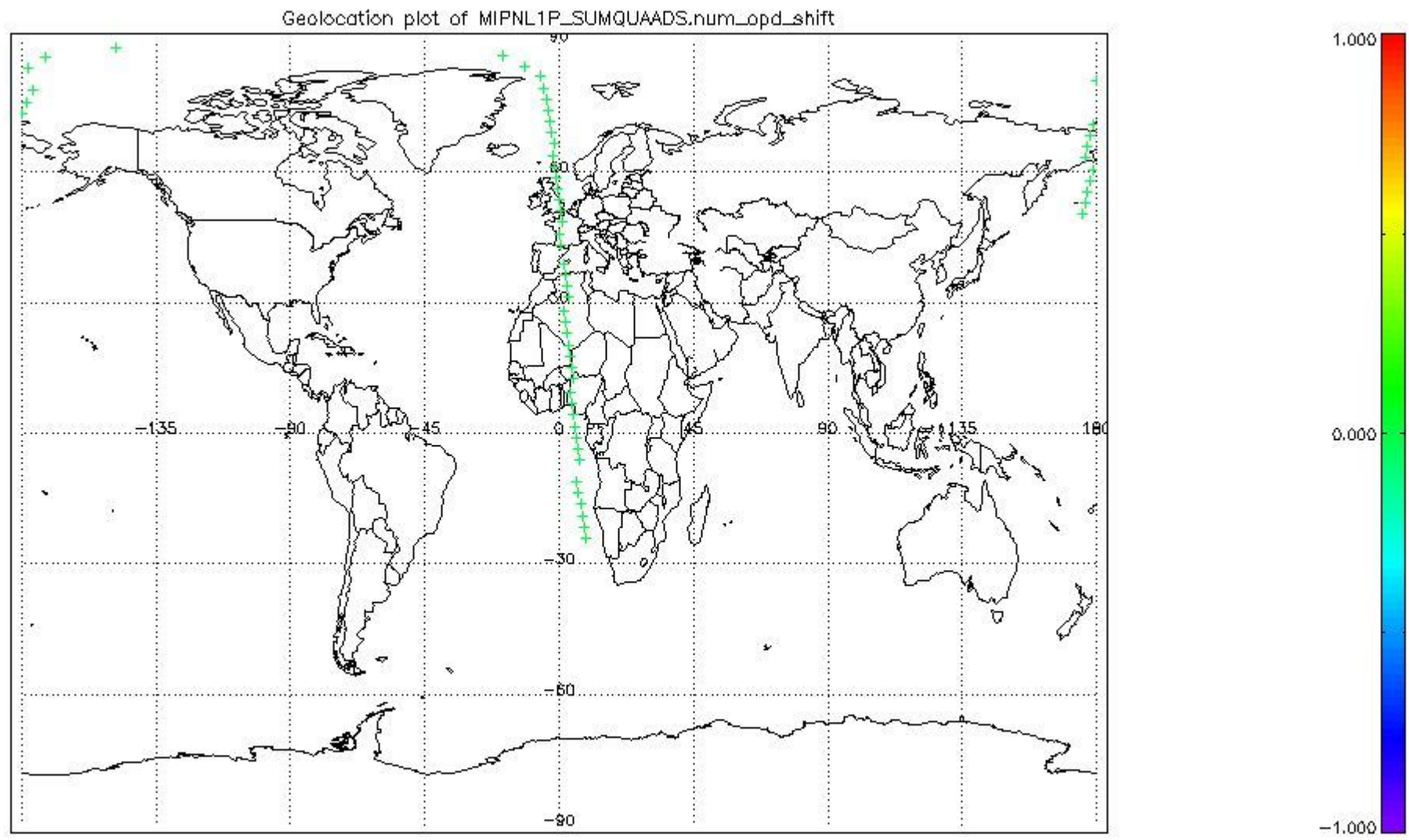
Geolocation plot of MIPNL1P\_SUMQUAADS.num\_excess\_phase



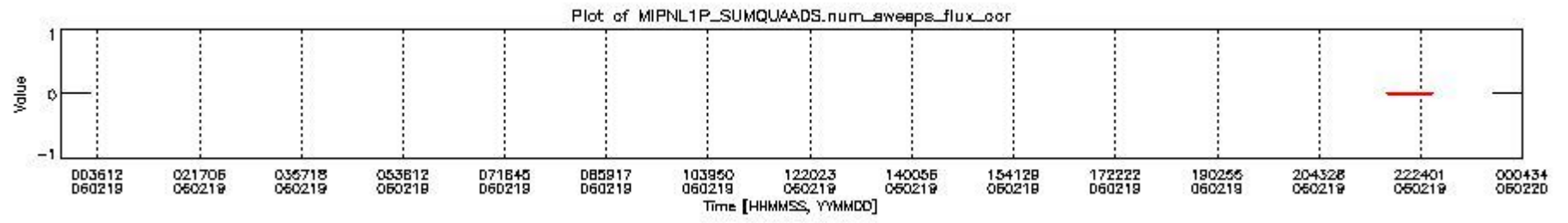
mipas\_daily\_report\_level1\_OFL\_MIPAS\_4\_65\_P\_20060219\_9.PNG



mipas\_daily\_report\_level1\_OFL\_MIPAS\_4\_65\_P\_20060219\_10.PNG

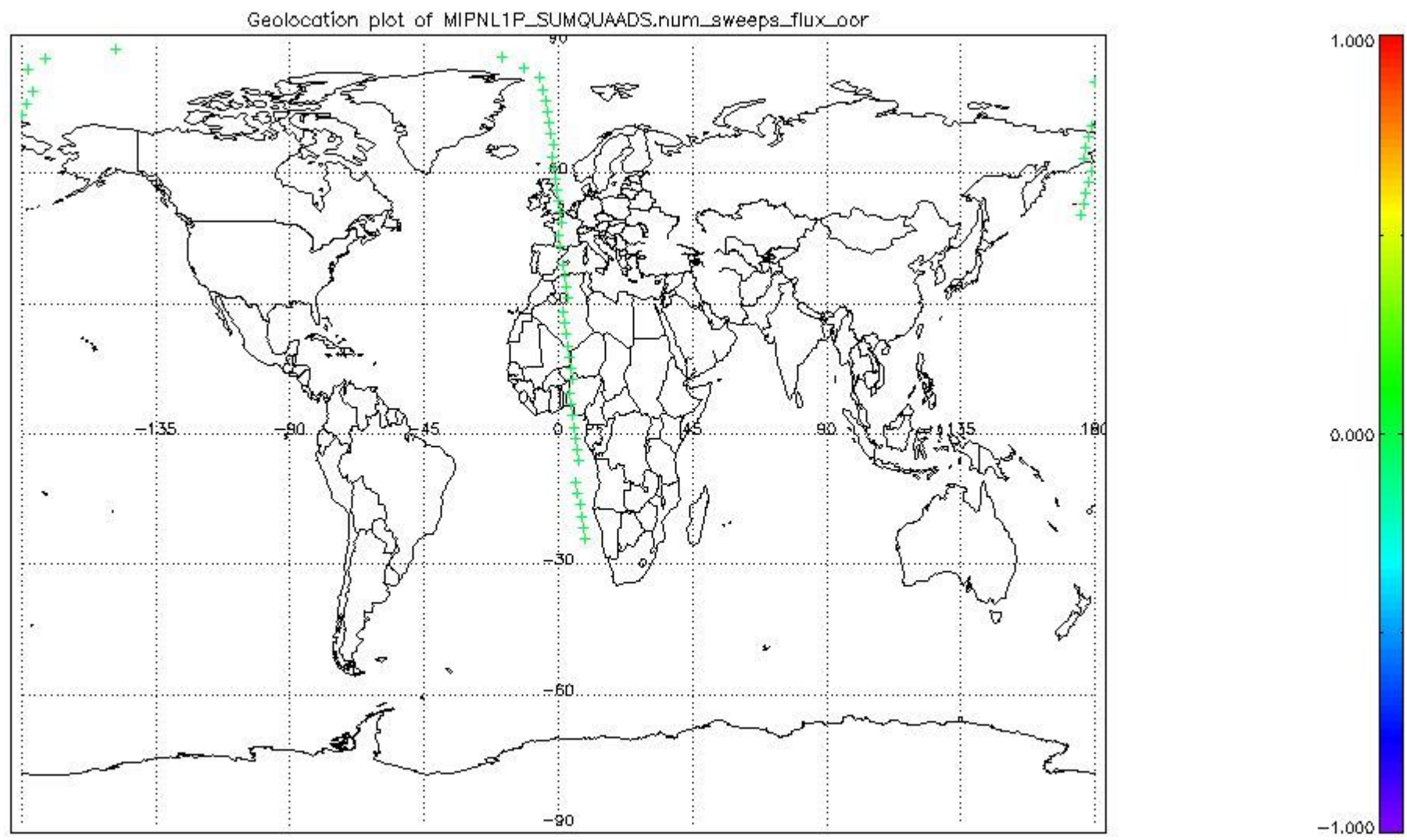


mipas\_daily\_report\_level1\_OFL\_MIPAS\_4\_65\_P\_20060219\_11.PNG



mipas\_daily\_report\_level1\_OFL\_MIPAS\_4\_65\_P\_20060219\_12.PNG

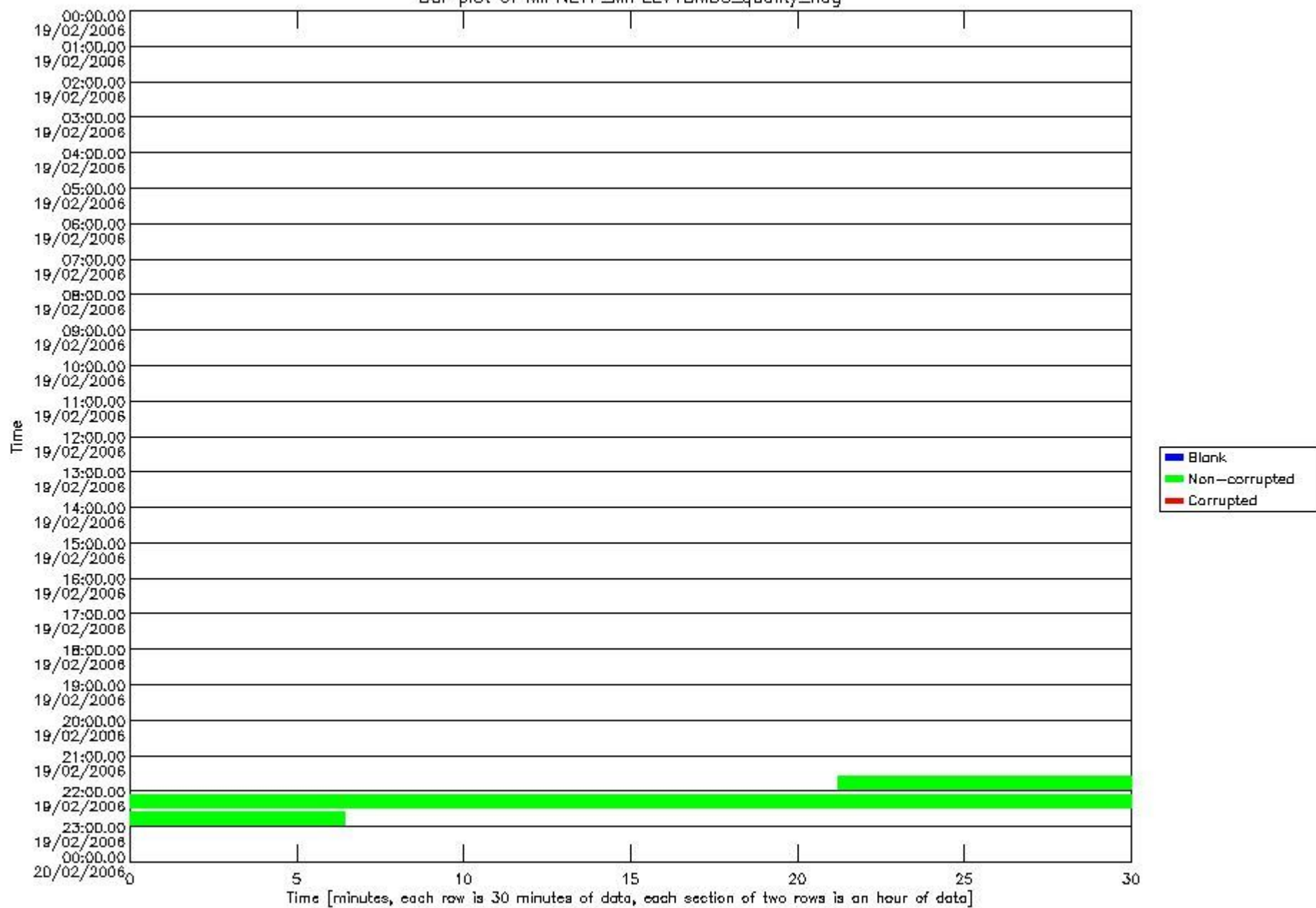




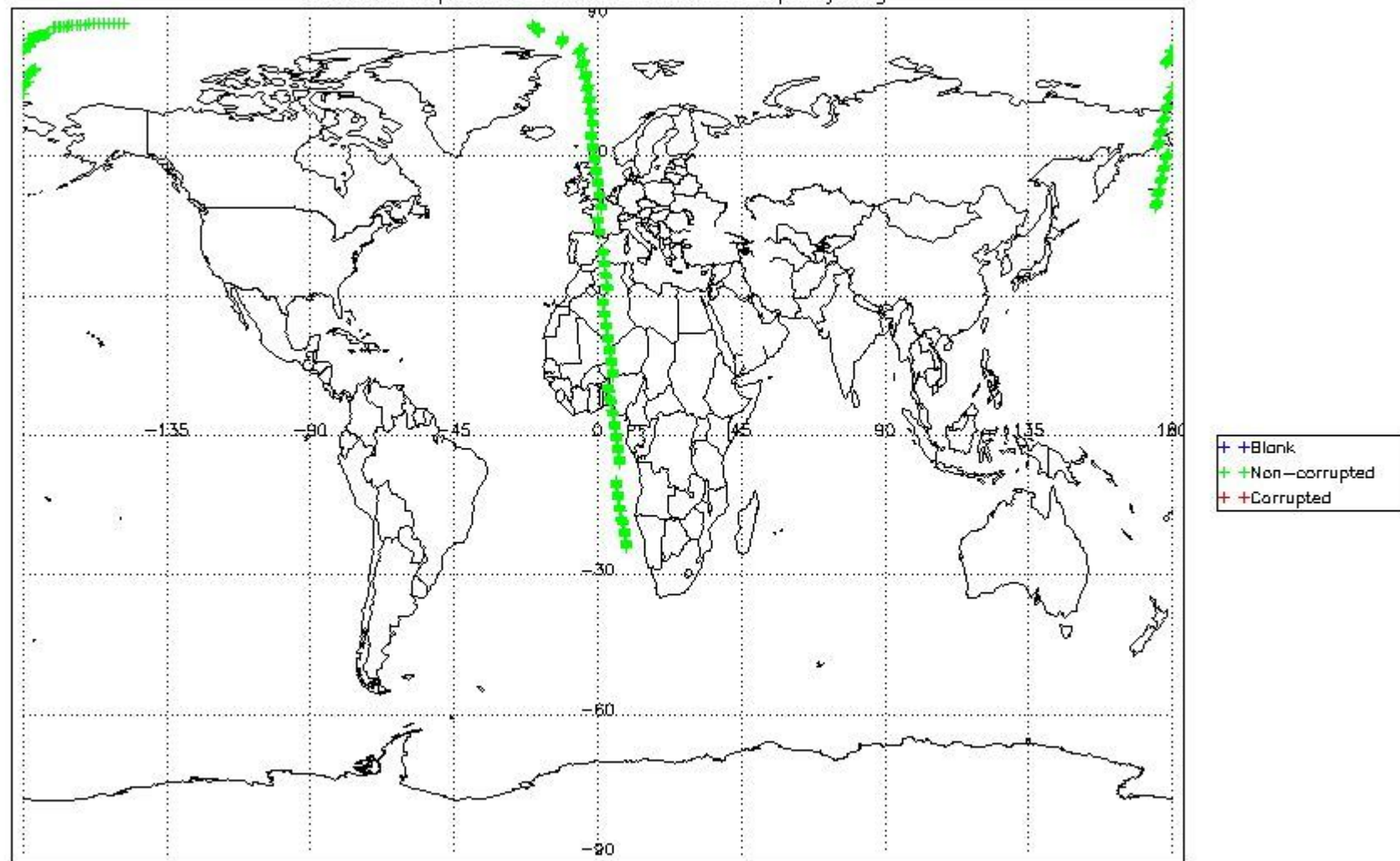
mipas\_daily\_report\_level1\_OFI\_MIPAS\_4\_65\_P\_20060219\_13.PNG

### 1.2.2 Trends and geolocation of MIPAS LEVEL 1 MDS

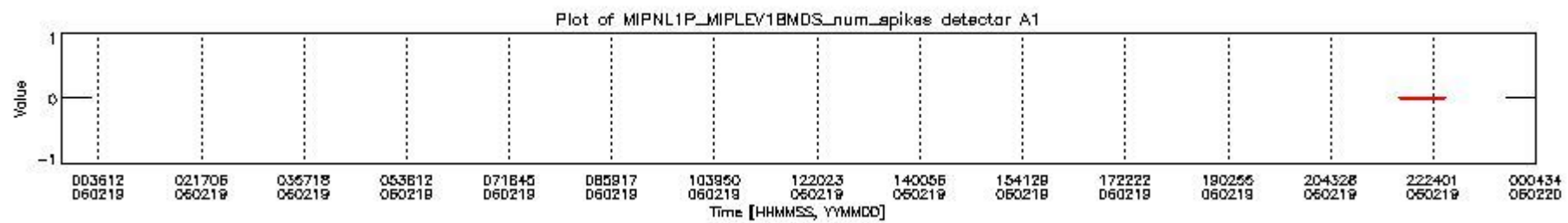
Bar plot of MIPNL1P\_MIPLEV1BMDS\_quality\_flag



Geolocation plot of MIPNL1P\_MIPLEV1BMDS\_quality\_flag

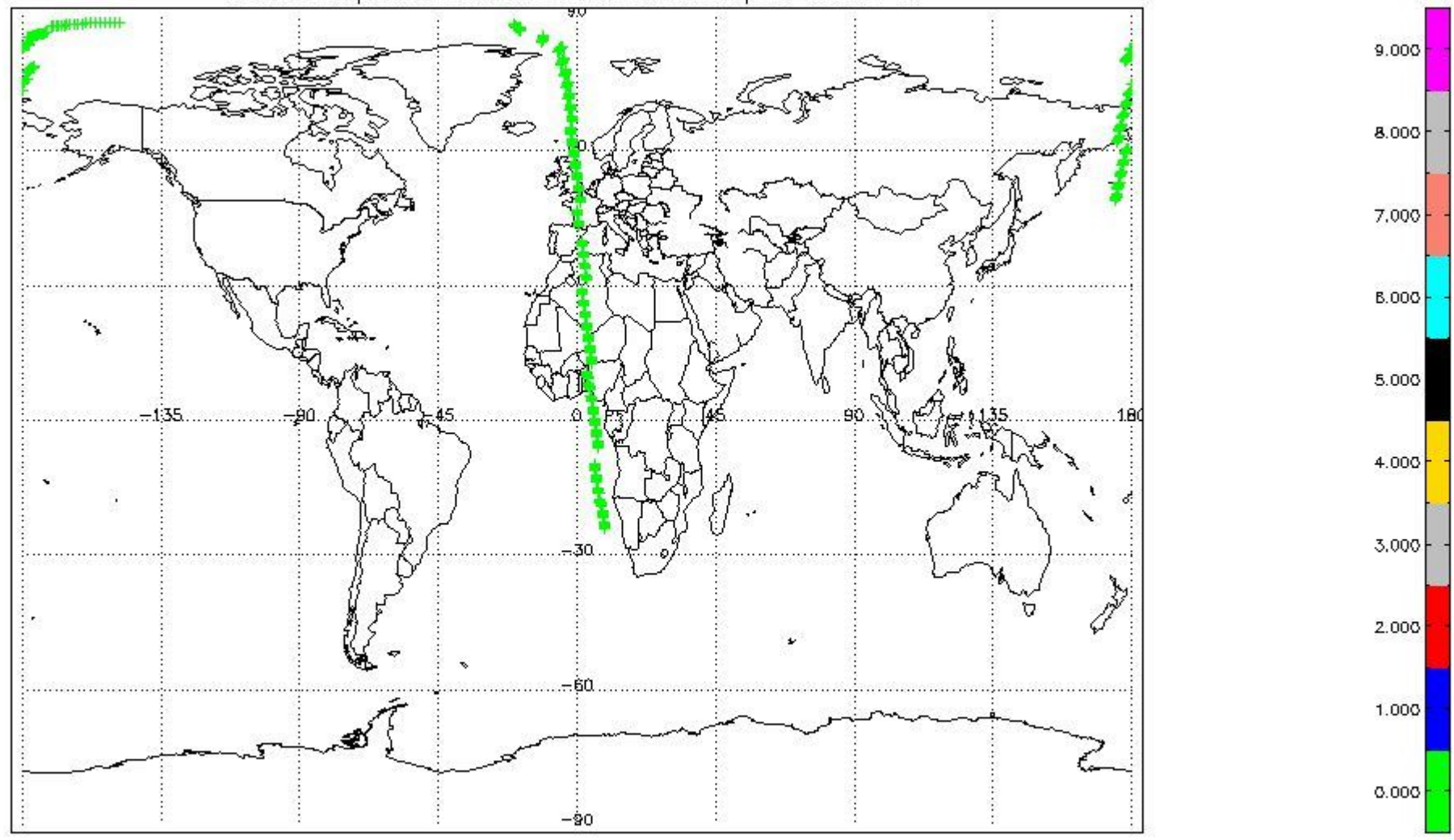


mipas\_daily\_report\_level1\_OFL\_MIPAS\_4\_65\_P\_20060219\_15.PNG

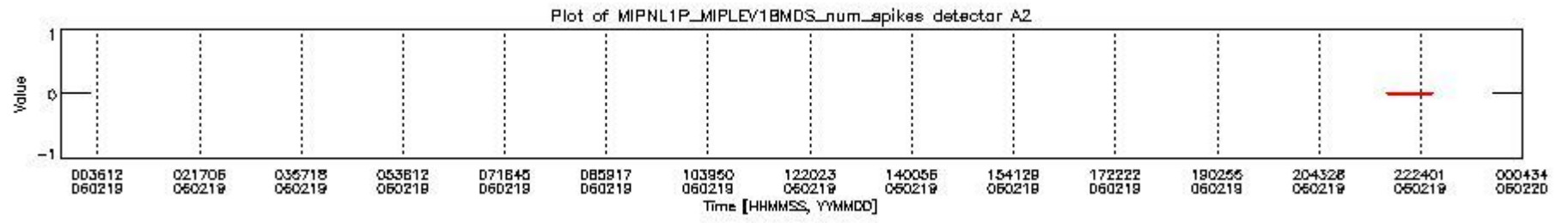


mipas\_daily\_report\_level1\_OFL\_MIPAS\_4\_65\_P\_20060219\_16.PNG

Geolocation plot of MIPNL1P\_MIPLEV1BMDS\_num\_spikes detector A1

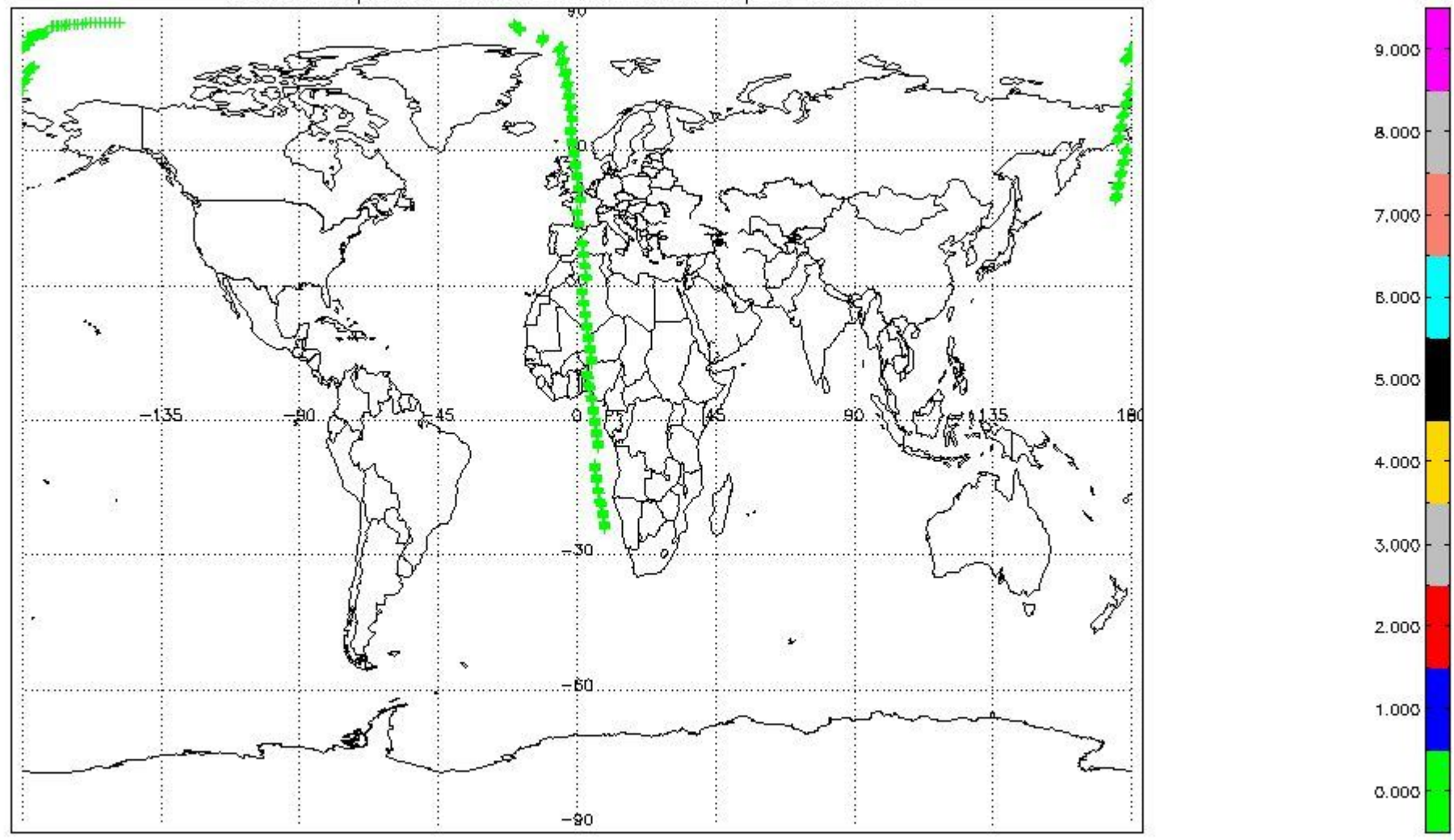


mipas\_daily\_report\_level1\_OFL\_MIPAS\_4\_65\_P\_20060219\_17.PNG

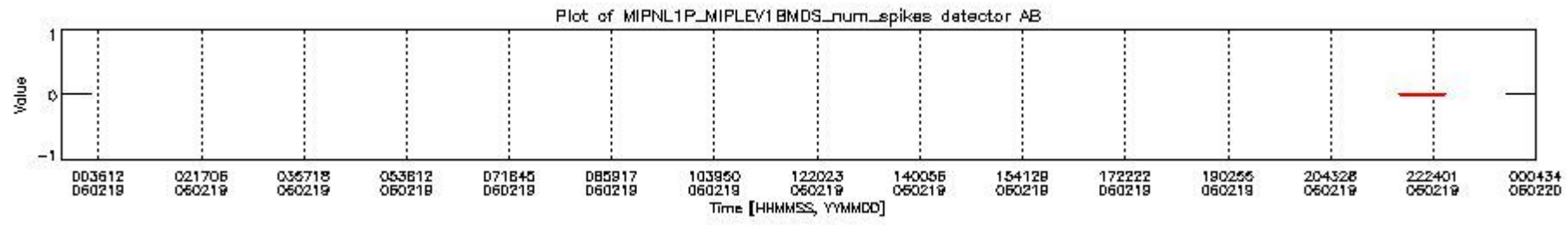


mipas\_daily\_report\_level1\_OFL\_MIPAS\_4\_65\_P\_20060219\_18.PNG

Geolocation plot of MIPNL1P\_MIPLEV1BMDS\_num\_spikes detector A2

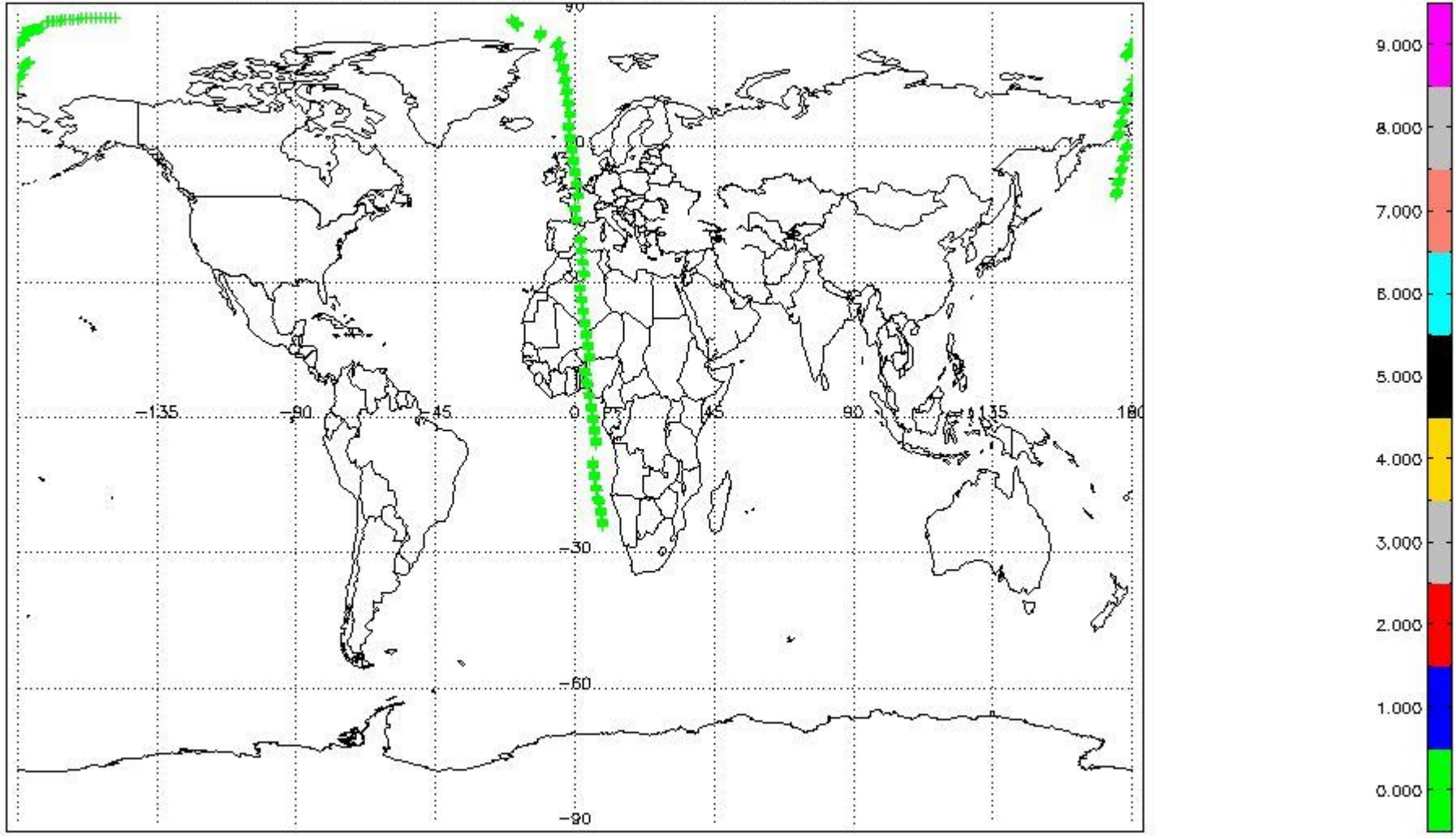


mipas\_daily\_report\_level1\_OFL\_MIPAS\_4\_65\_P\_20060219\_19.PNG

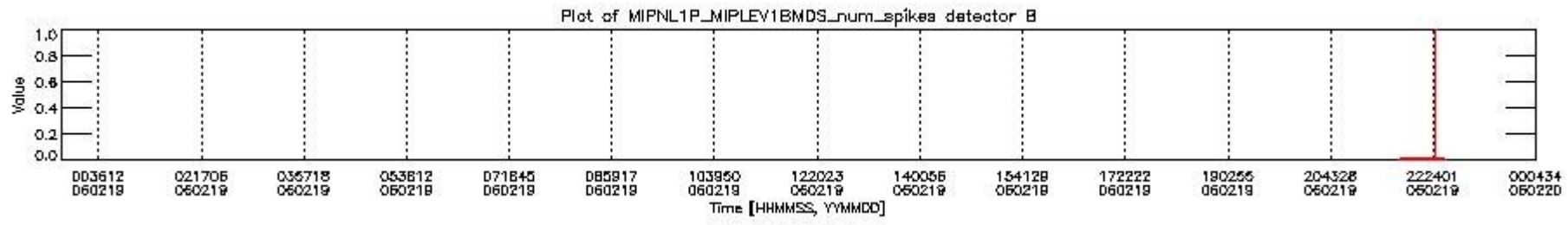


mipas\_daily\_report\_level1\_OFL\_MIPAS\_4\_65\_P\_20060219\_20.PNG

Geolocation plot of MIPNL1P\_MIPLEV1BMDS\_num\_spikes detector AB

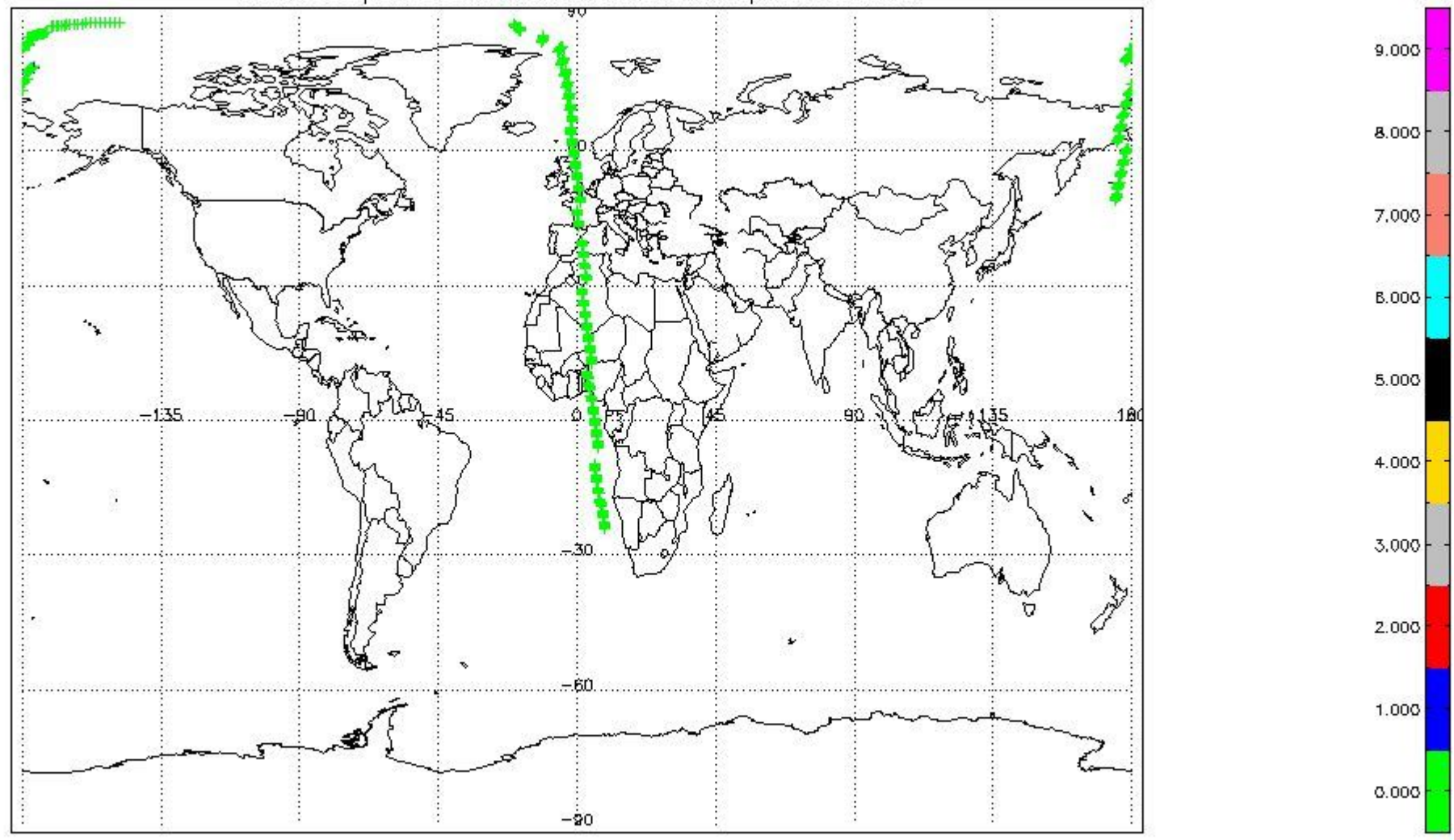


mipas\_daily\_report\_level1\_OFI\_MIPAS\_4\_65\_P\_20060219\_21.PNG

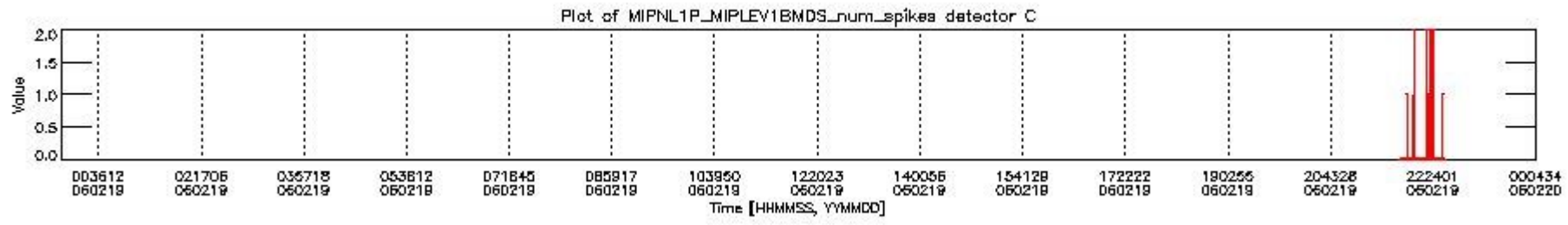


mipas\_daily\_report\_level1\_OFI\_MIPAS\_4\_65\_P\_20060219\_22.PNG

Geolocation plot of MIPNL1P\_MIPLEV1BMDS\_num\_spikes detector B

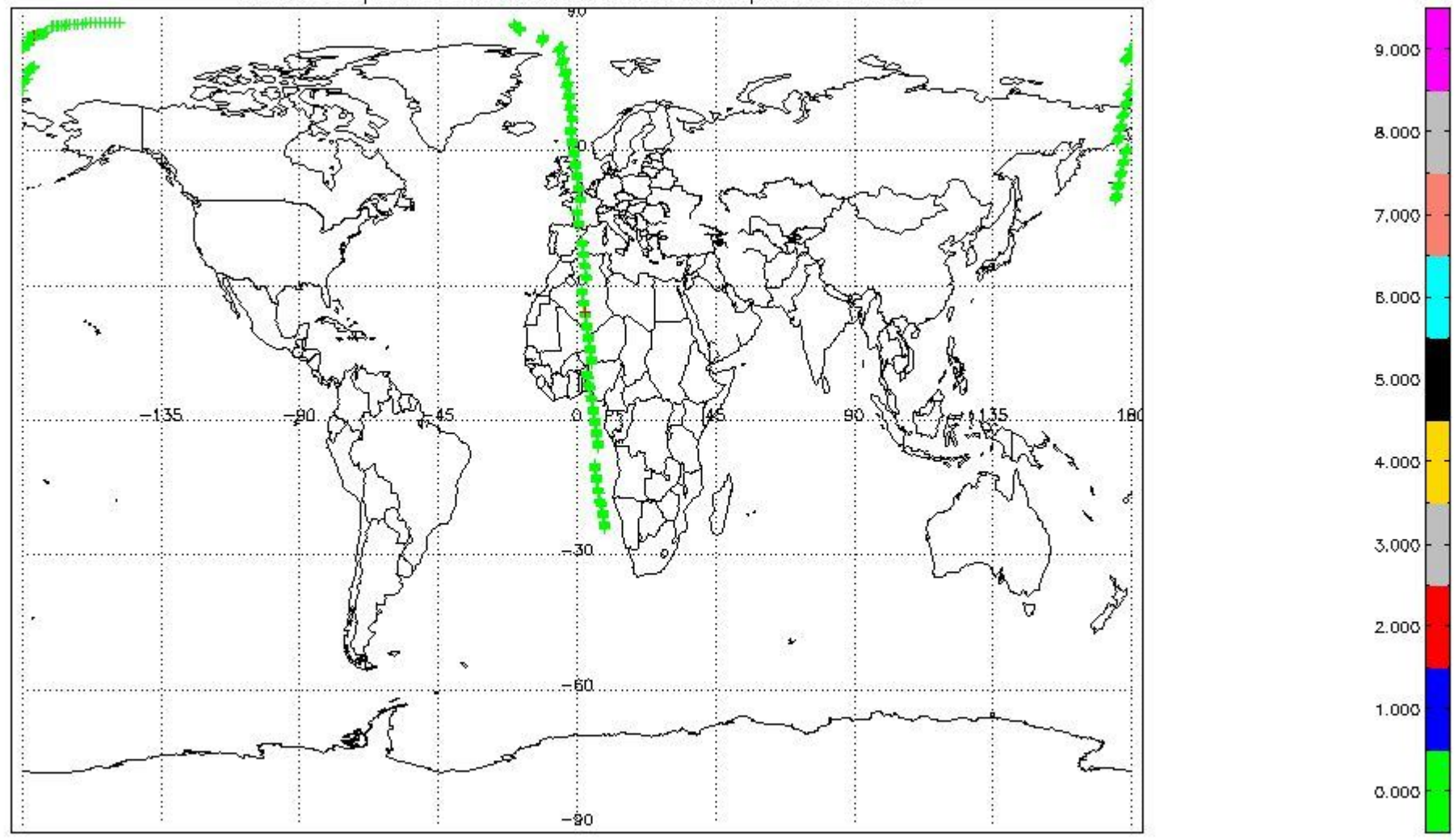


mipas\_daily\_report\_level1\_OFL\_MIPAS\_4\_65\_P\_20060219\_23.PNG

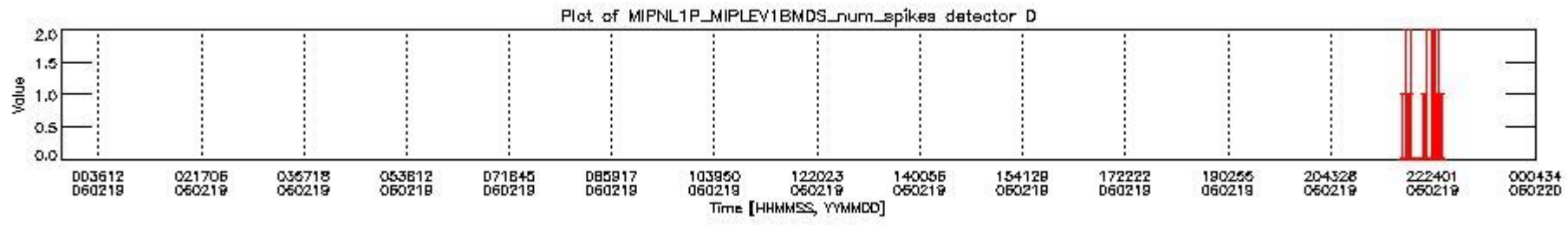


mipas\_daily\_report\_level1\_OFL\_MIPAS\_4\_65\_P\_20060219\_24.PNG

Geolocation plot of MIPNL1P\_MIPLEV1BMDS\_num\_spikes detector C



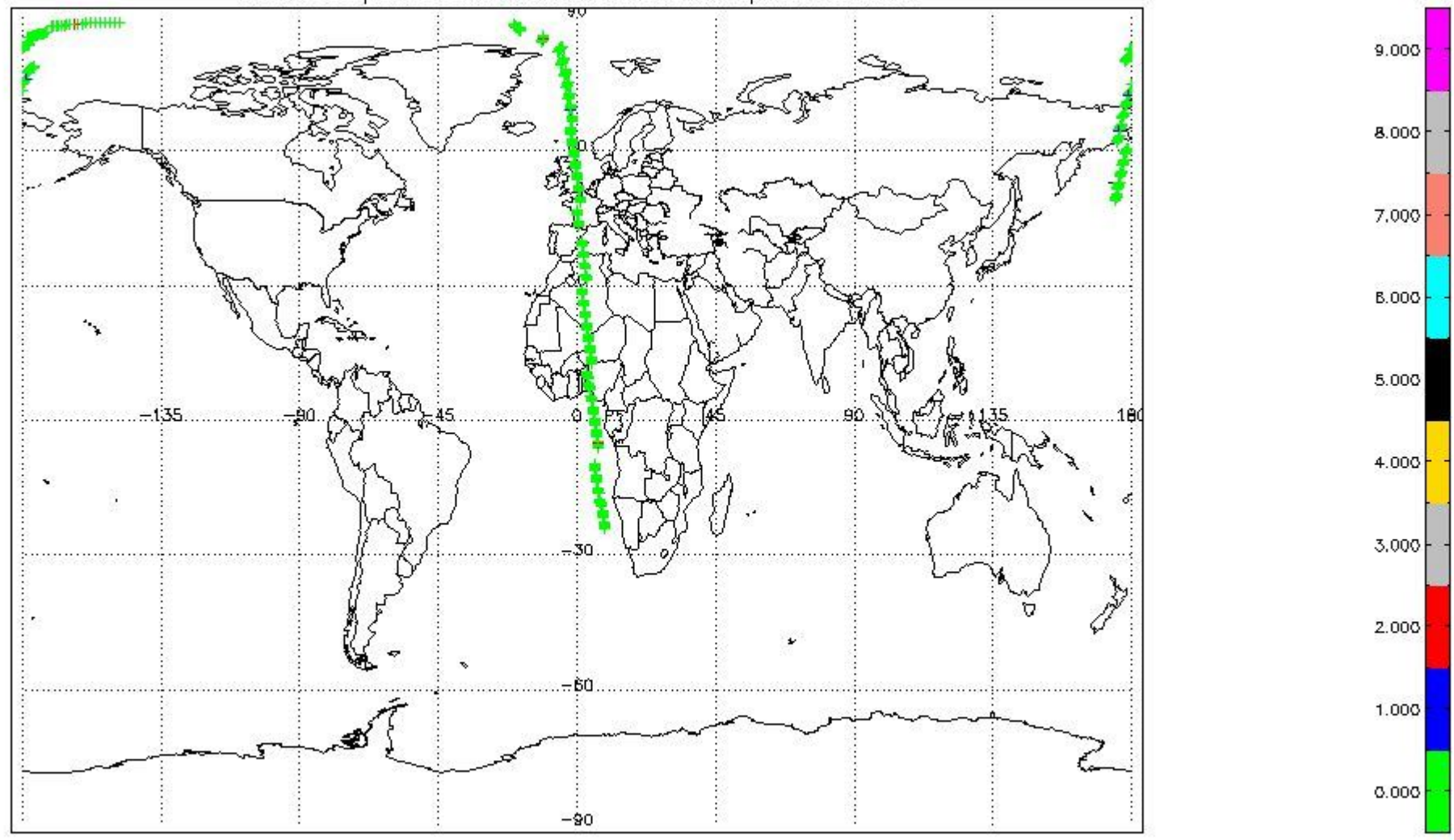
mipas\_daily\_report\_level1\_OFL\_MIPAS\_4\_65\_P\_20060219\_25.PNG



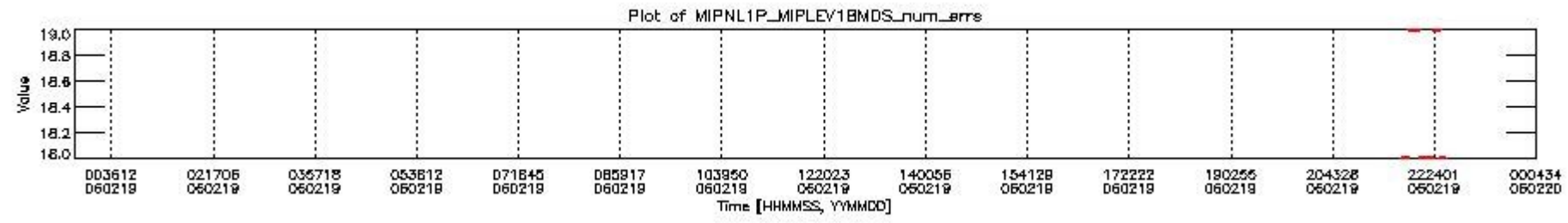
mipas\_daily\_report\_level1\_OFL\_MIPAS\_4\_65\_P\_20060219\_26.PNG



Geolocation plot of MIPNL1P\_MIPLEV1BMDS\_num\_spikes detector D

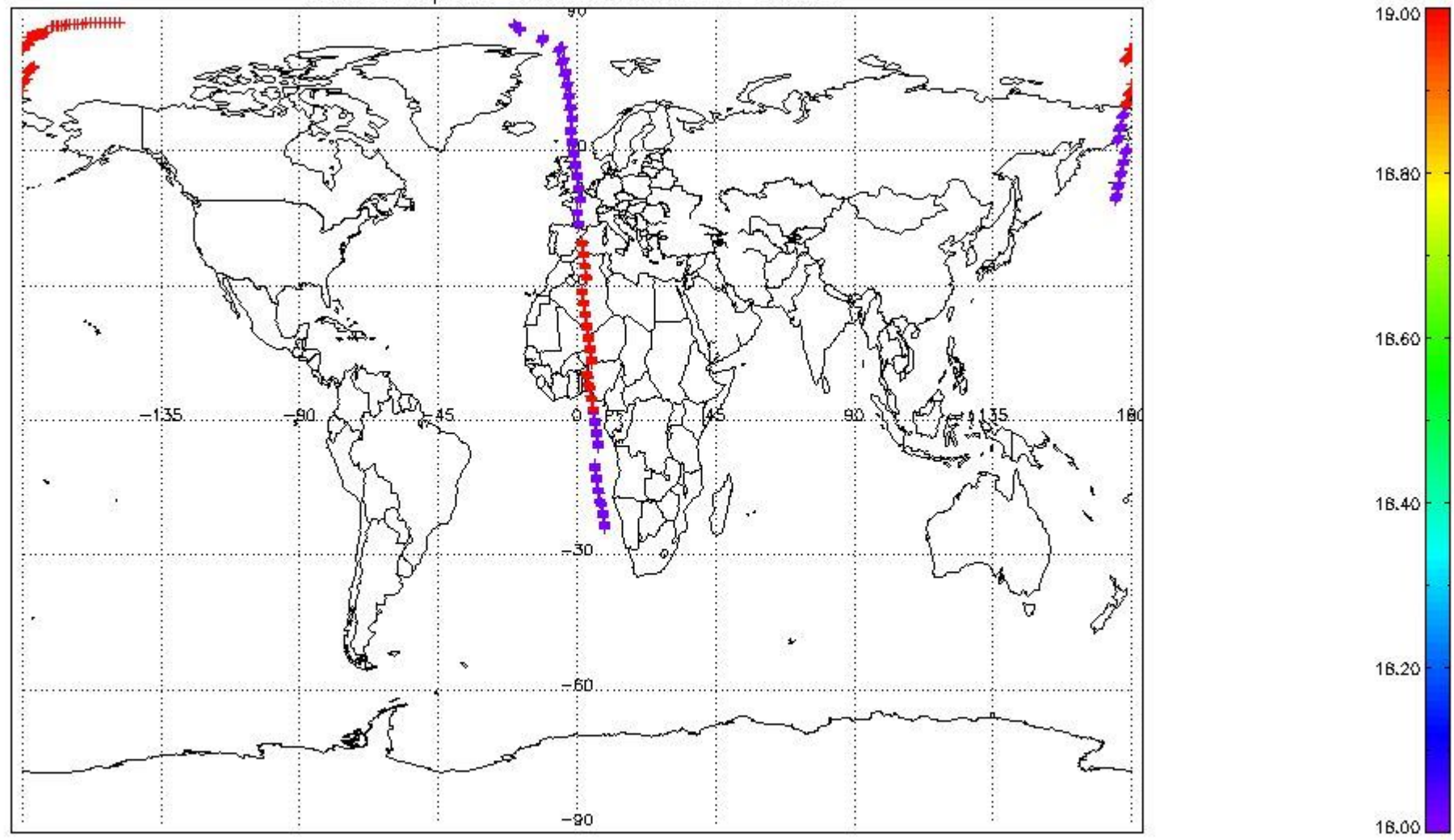


mipas\_daily\_report\_level1\_OFI\_MIPAS\_4\_65\_P\_20060219\_27.PNG

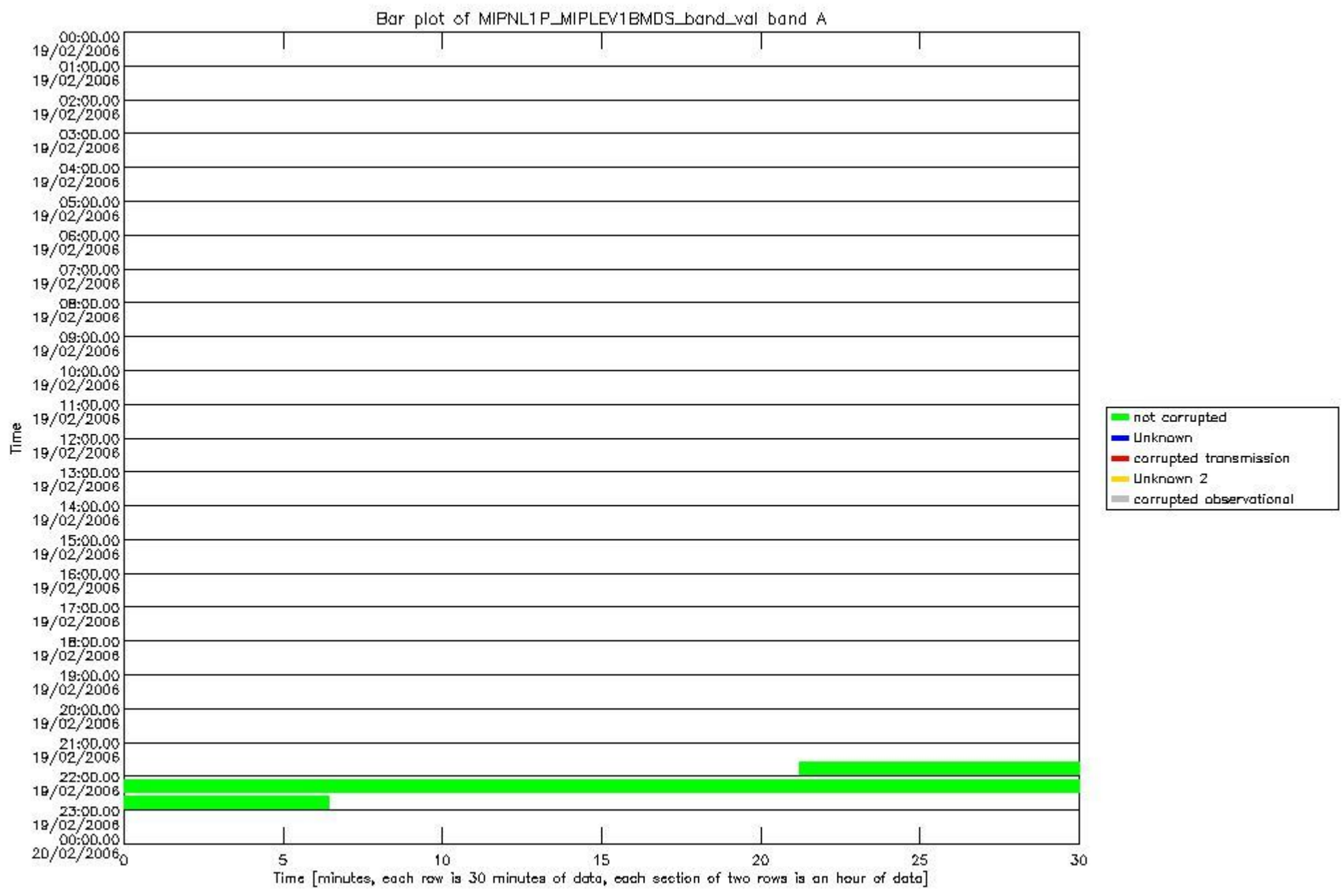


mipas\_daily\_report\_level1\_OFI\_MIPAS\_4\_65\_P\_20060219\_28.PNG

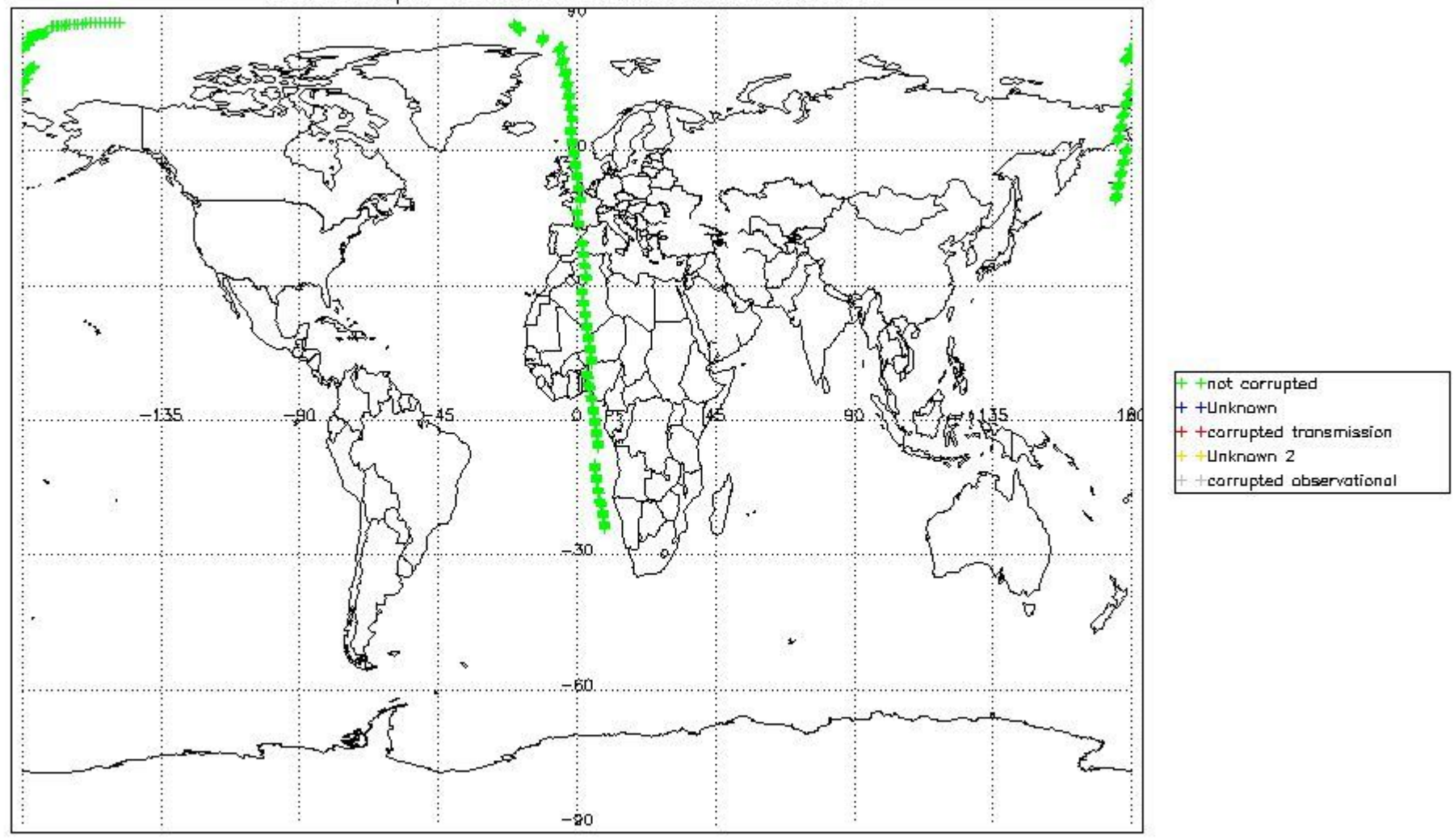
Geolocation plot of MIPNL1P\_MIPLEV1BMDS\_num\_errs



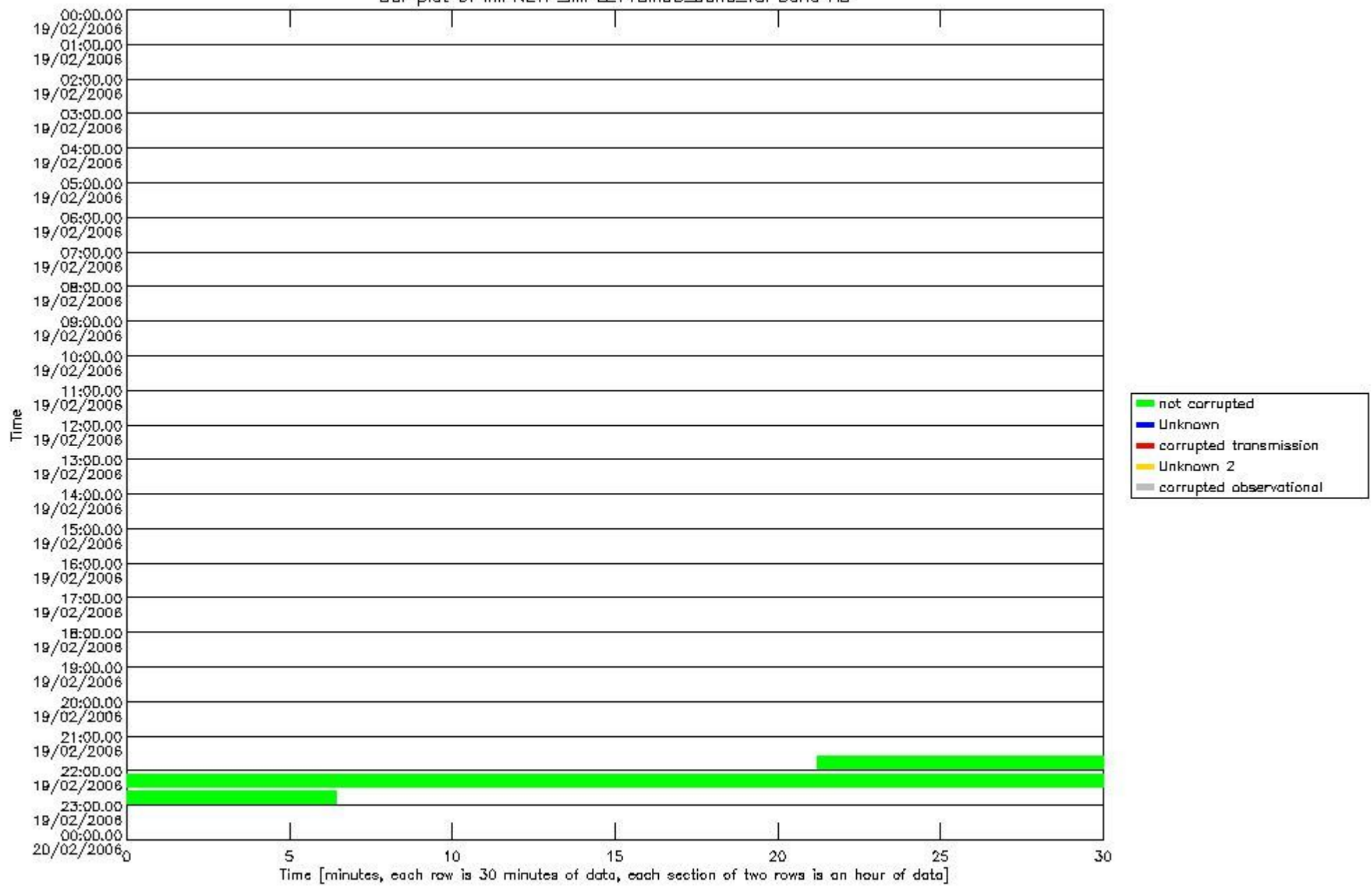
mipas\_daily\_report\_level1\_OFI\_MIPAS\_4\_65\_P\_20060219\_29.PNG



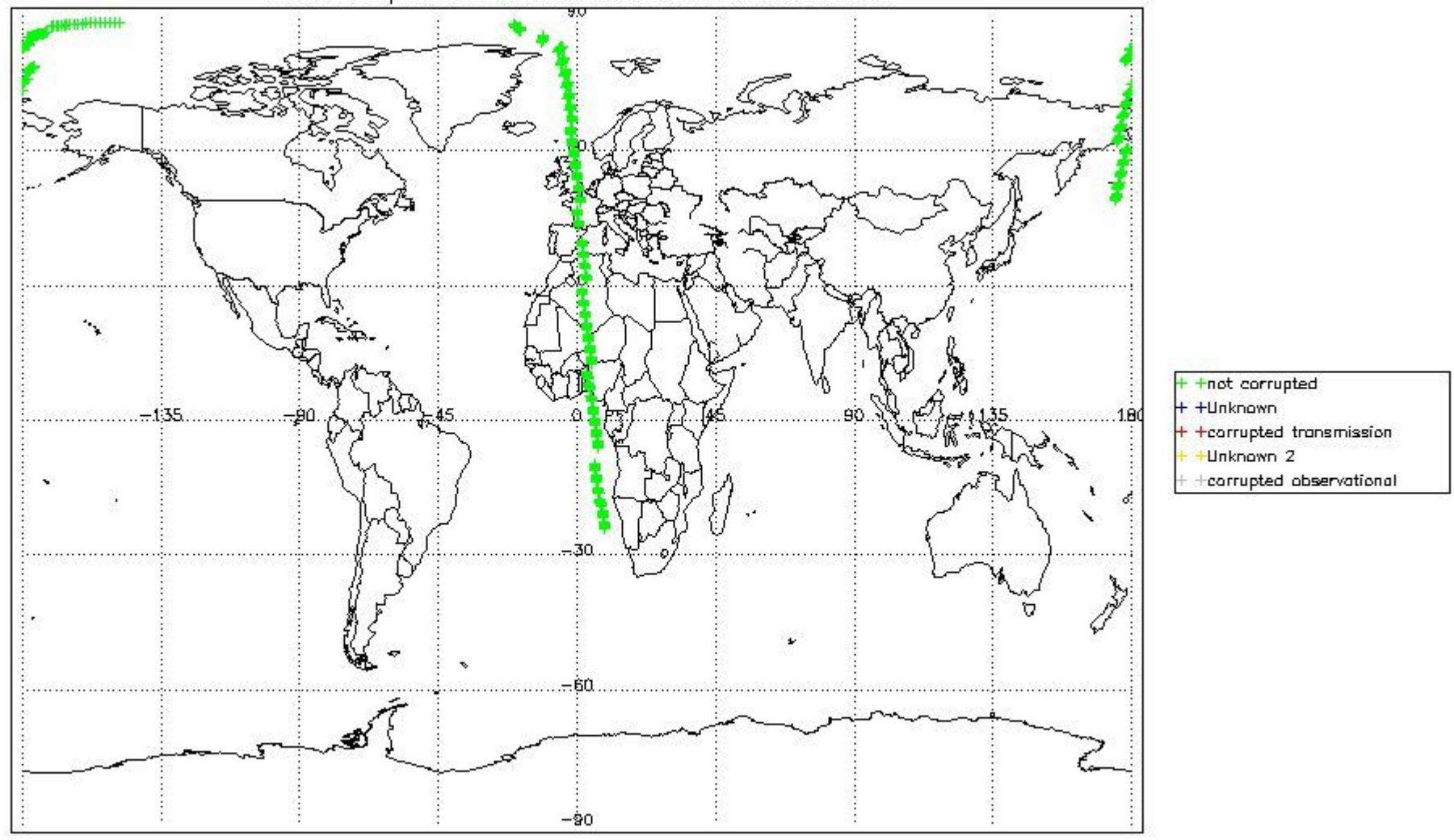
Geolocation plot of MIPNL1P\_MIPLEV1BMDS\_band\_val band A

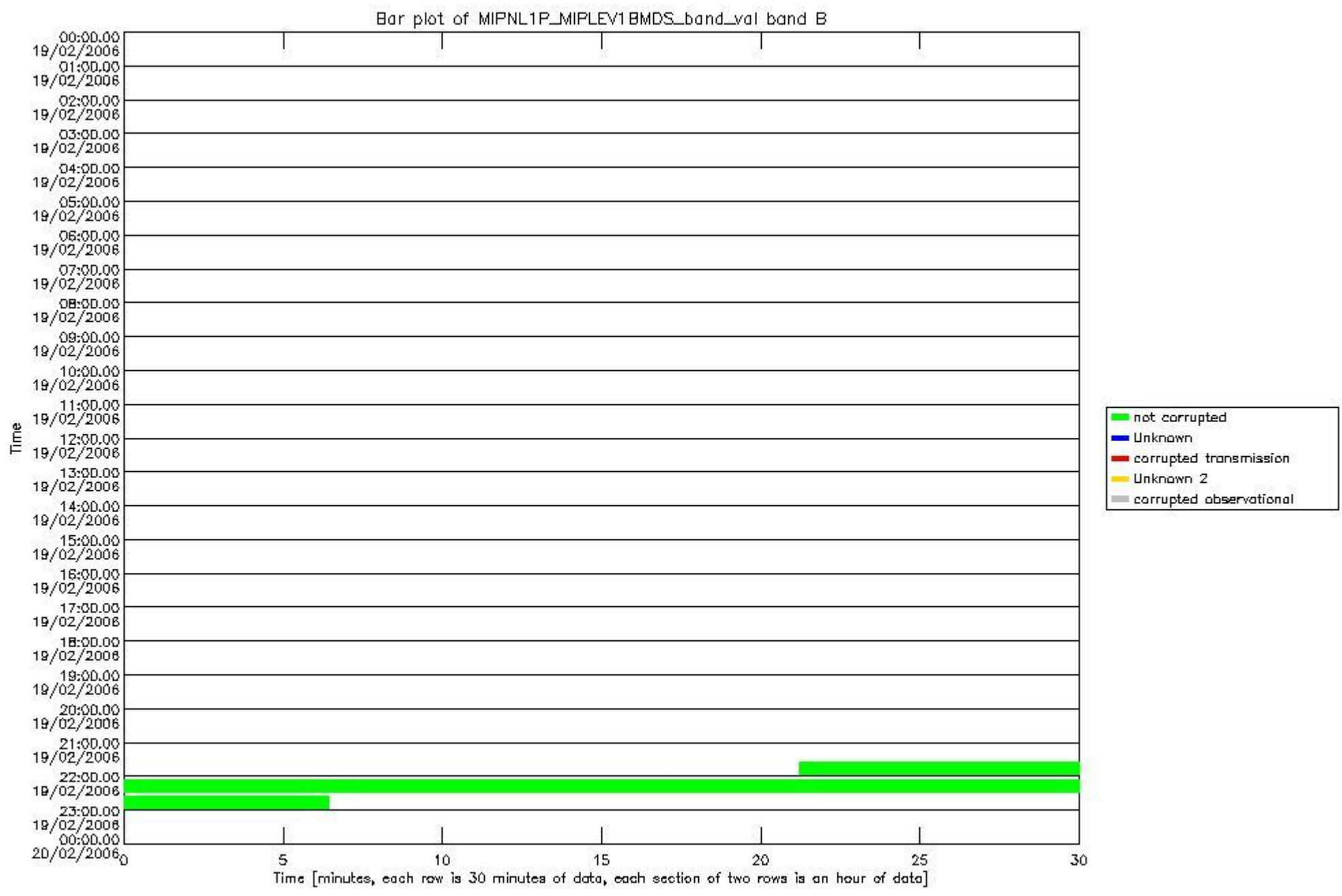


Bar plot of MIPNL1P\_MIPLEV1BMDS\_band\_val band AB

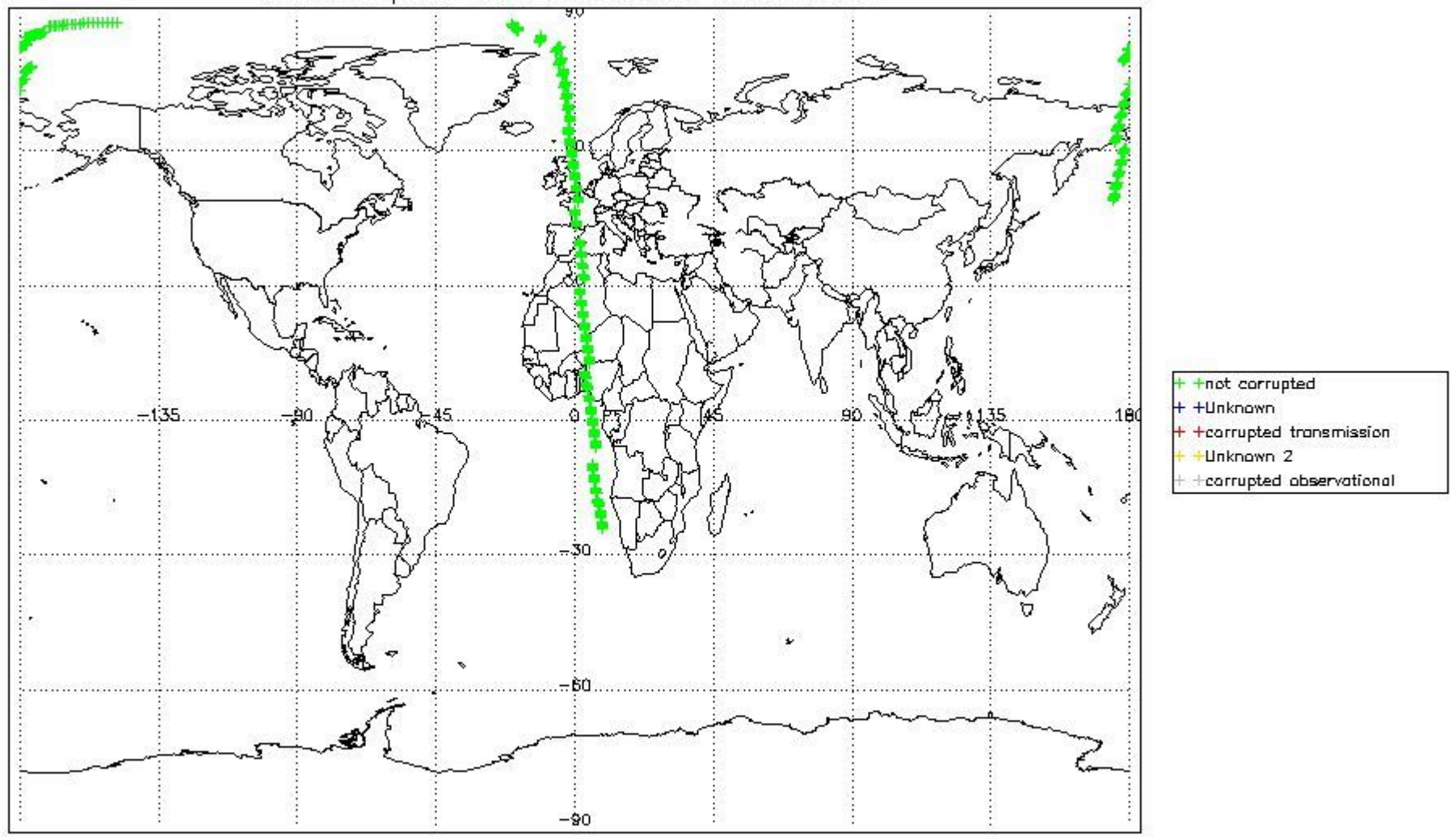


Geolocation plot of MIPNL1P\_MIPLEV1BMDS\_band\_val band AB

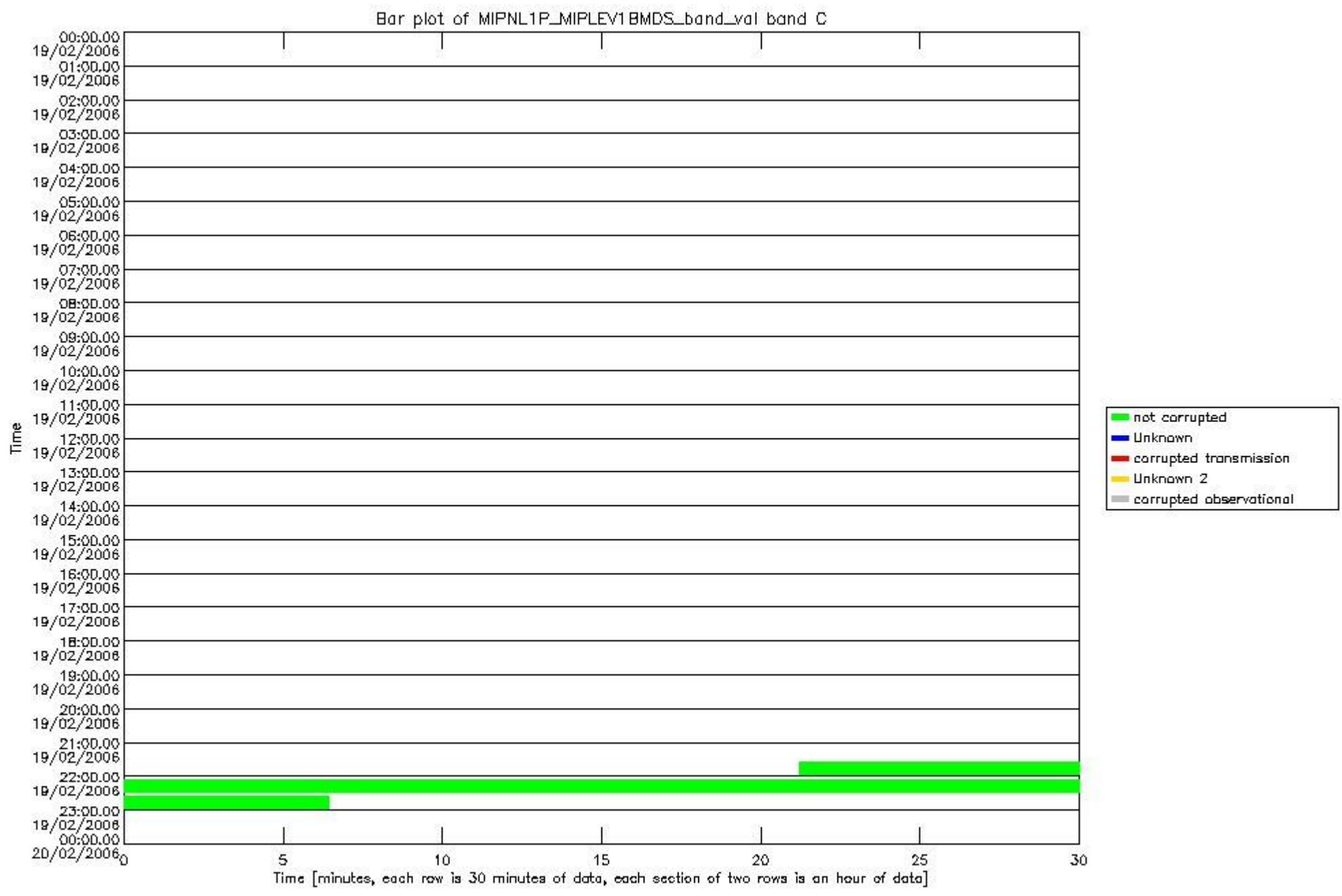




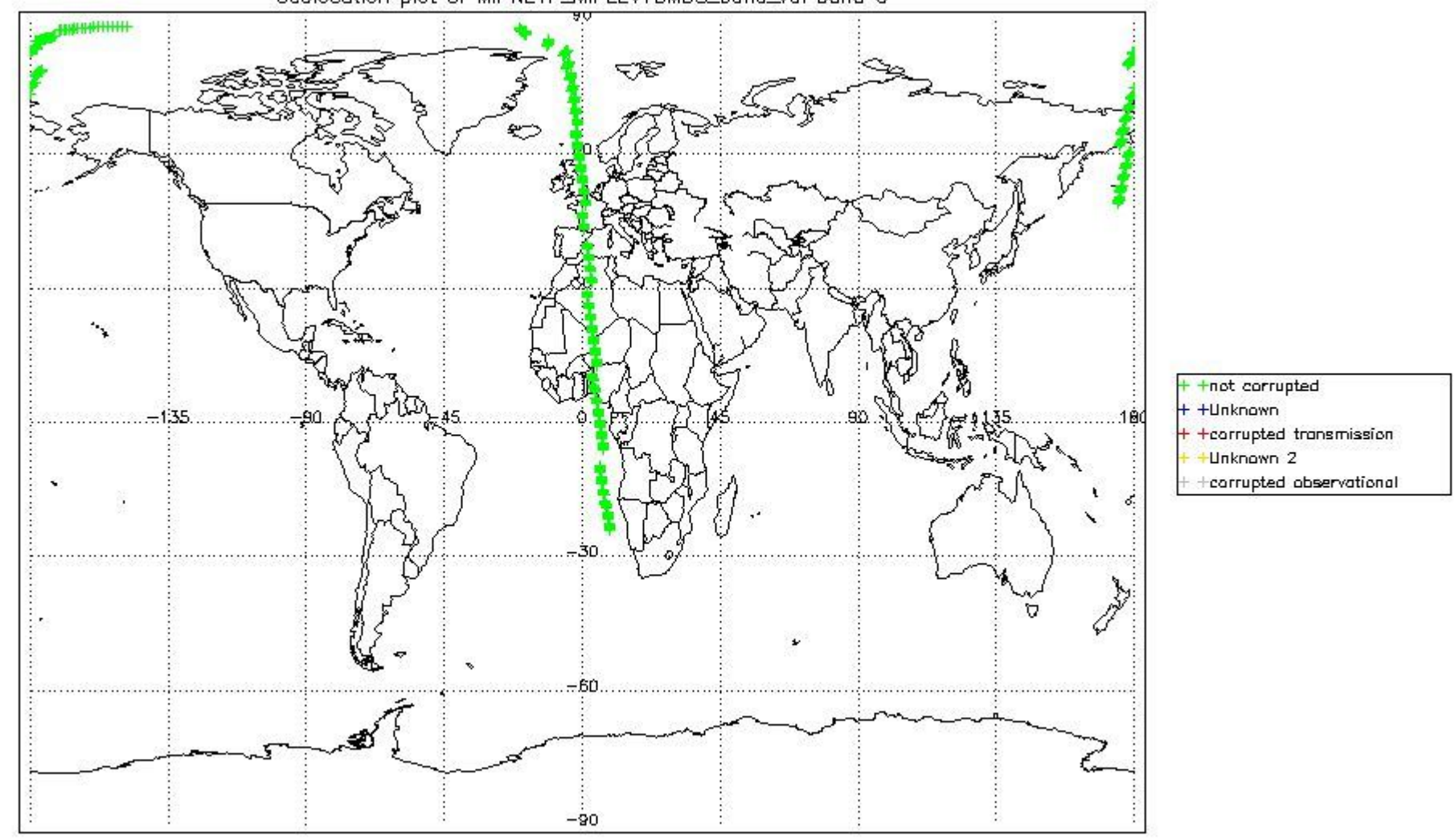
Geolocation plot of MIPNL1P\_MIPLEV1BMDS\_band\_val band B



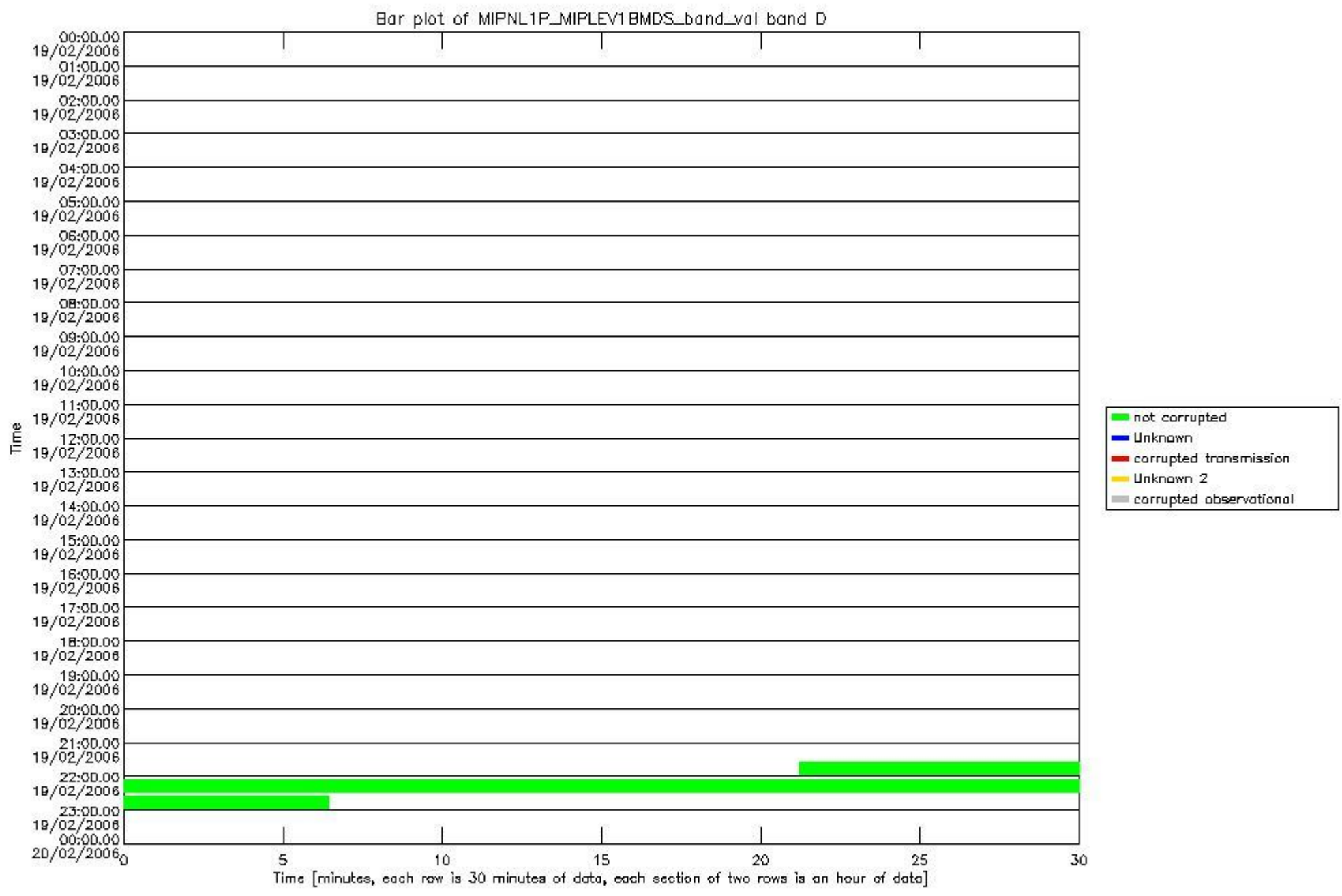




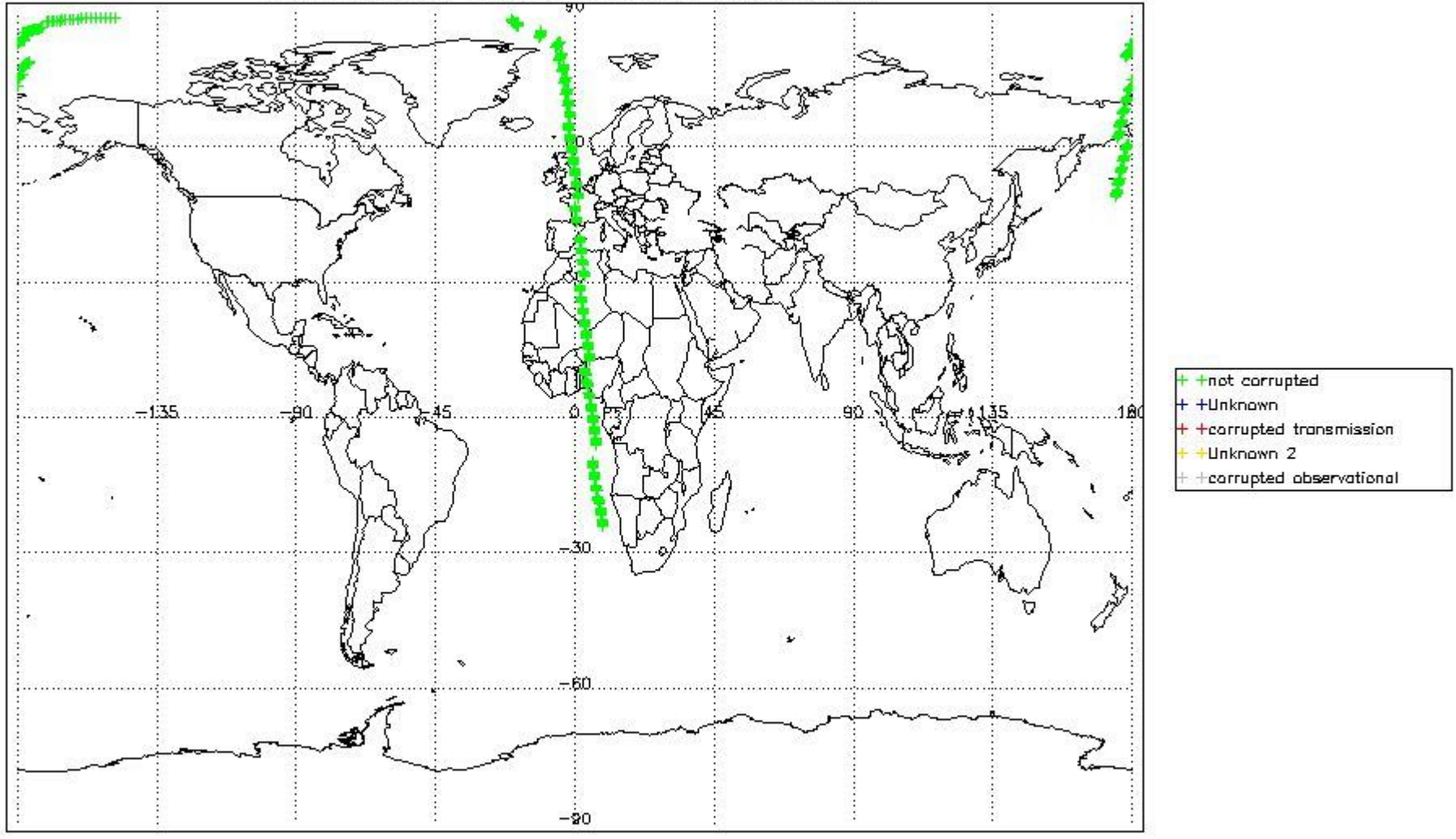
Geolocation plot of MIPNL1P\_MIPLEV1BMDS\_band\_val band C



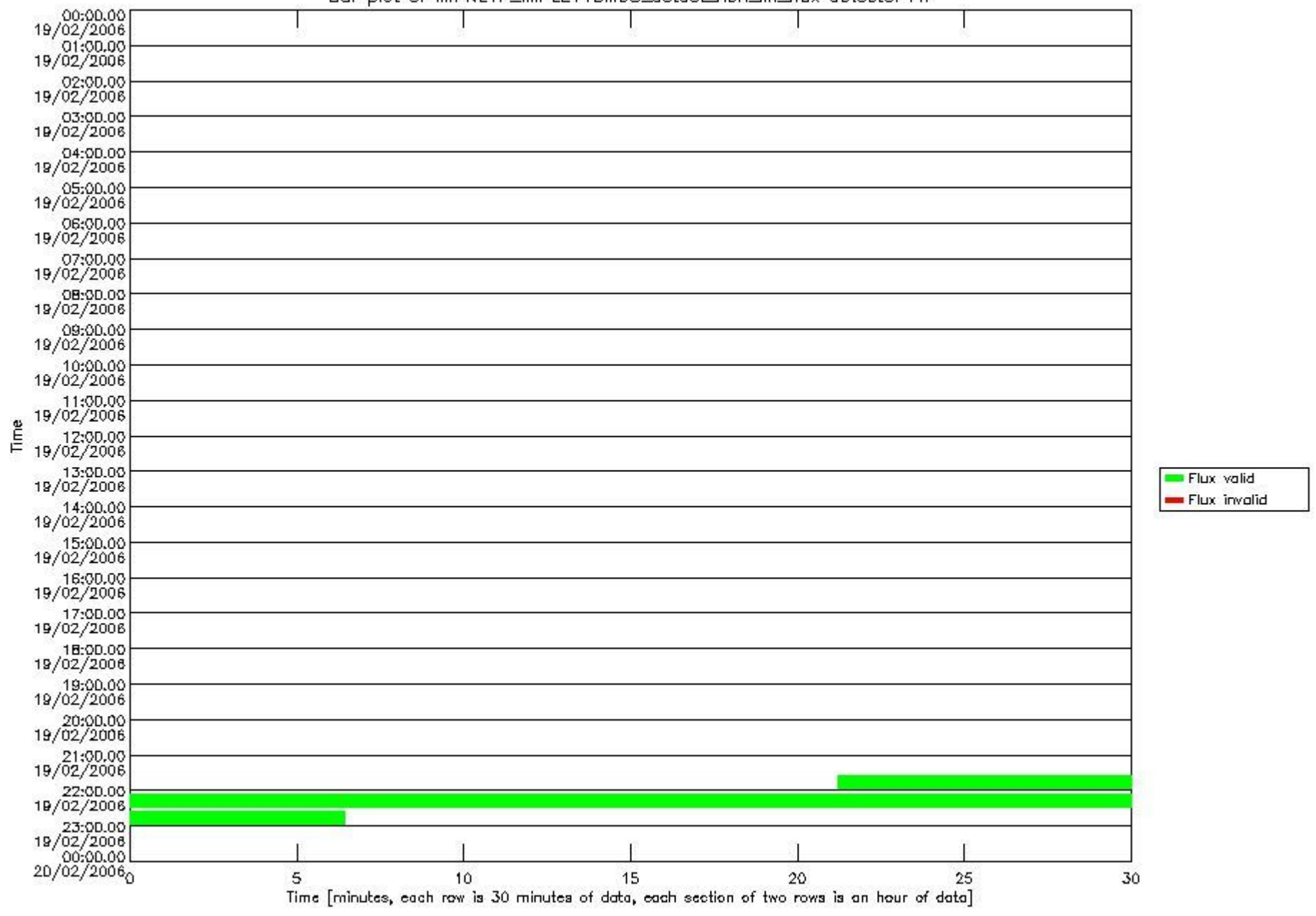
mipas\_daily\_report\_level1\_OFL\_MIPAS\_4\_65\_P\_20060219\_37.PNG



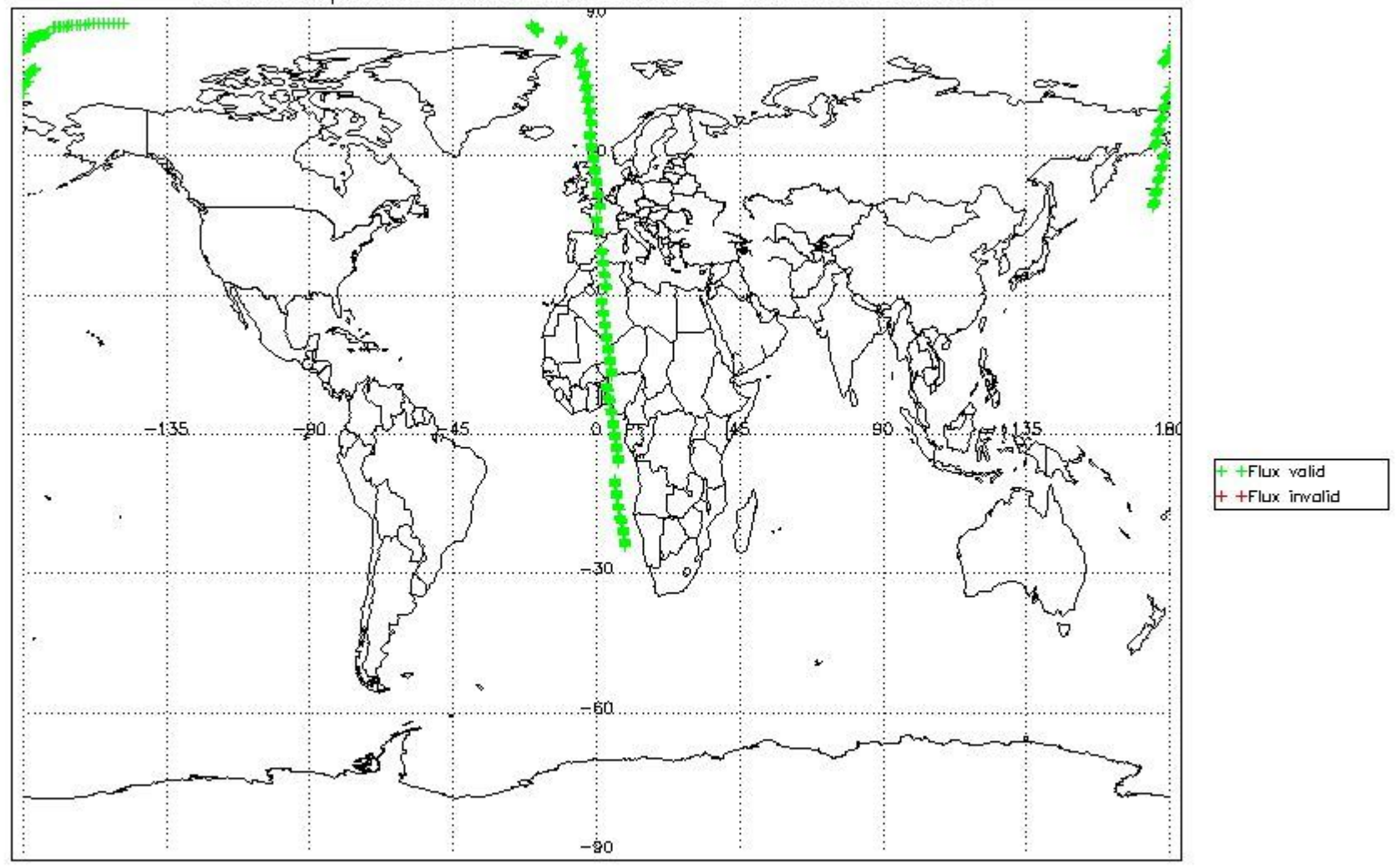
Geolocation plot of MIPNL1P\_MIPLEV1BMDS\_band\_val band D



Bar plot of MIPNL1P\_MIPLEV1BMDS\_detect\_non\_jin\_flux detector A1

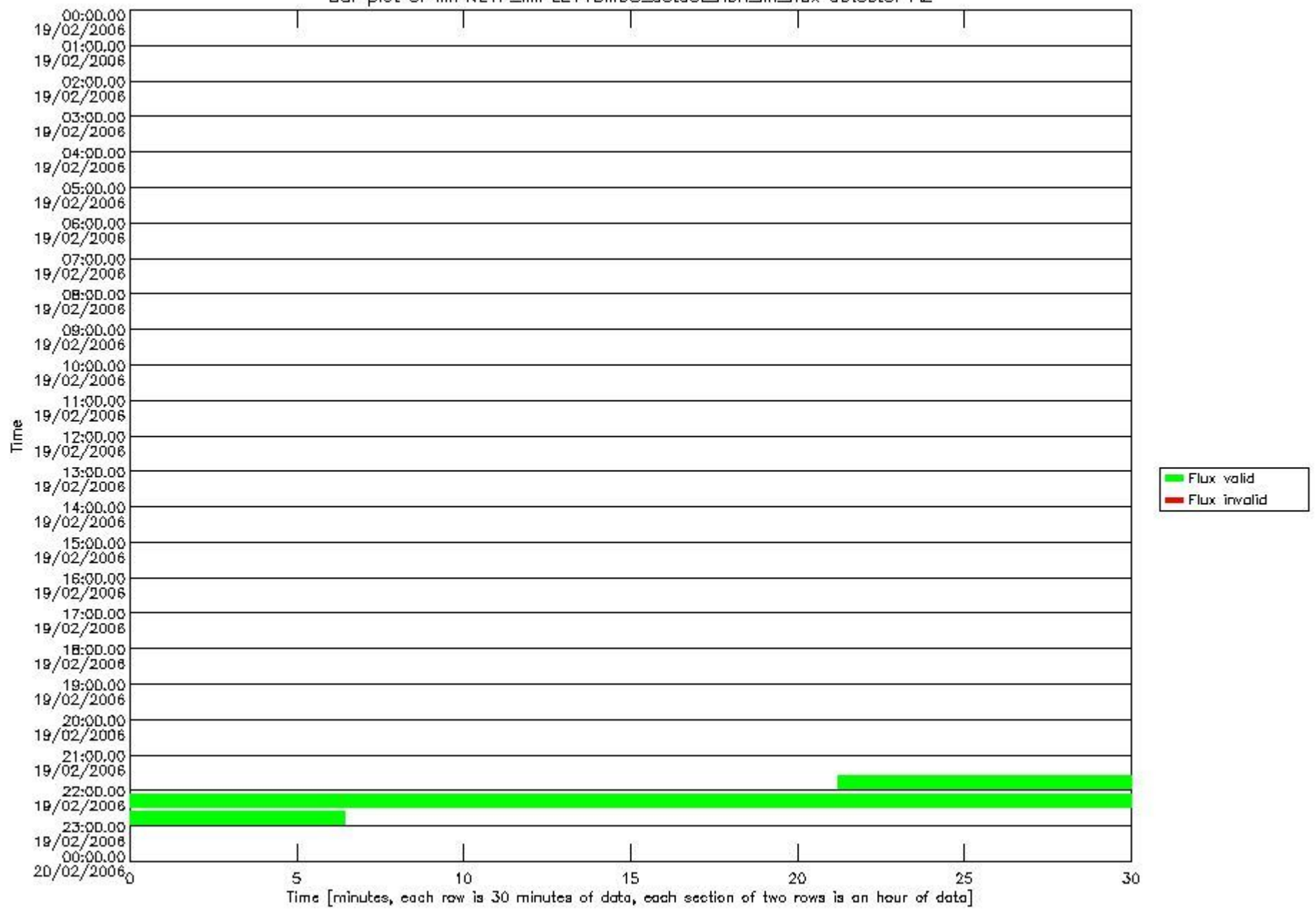


Geolocation plot of MIPNL1P\_MIPLEV1BMDS\_detect\_non\_in\_flux detector A1

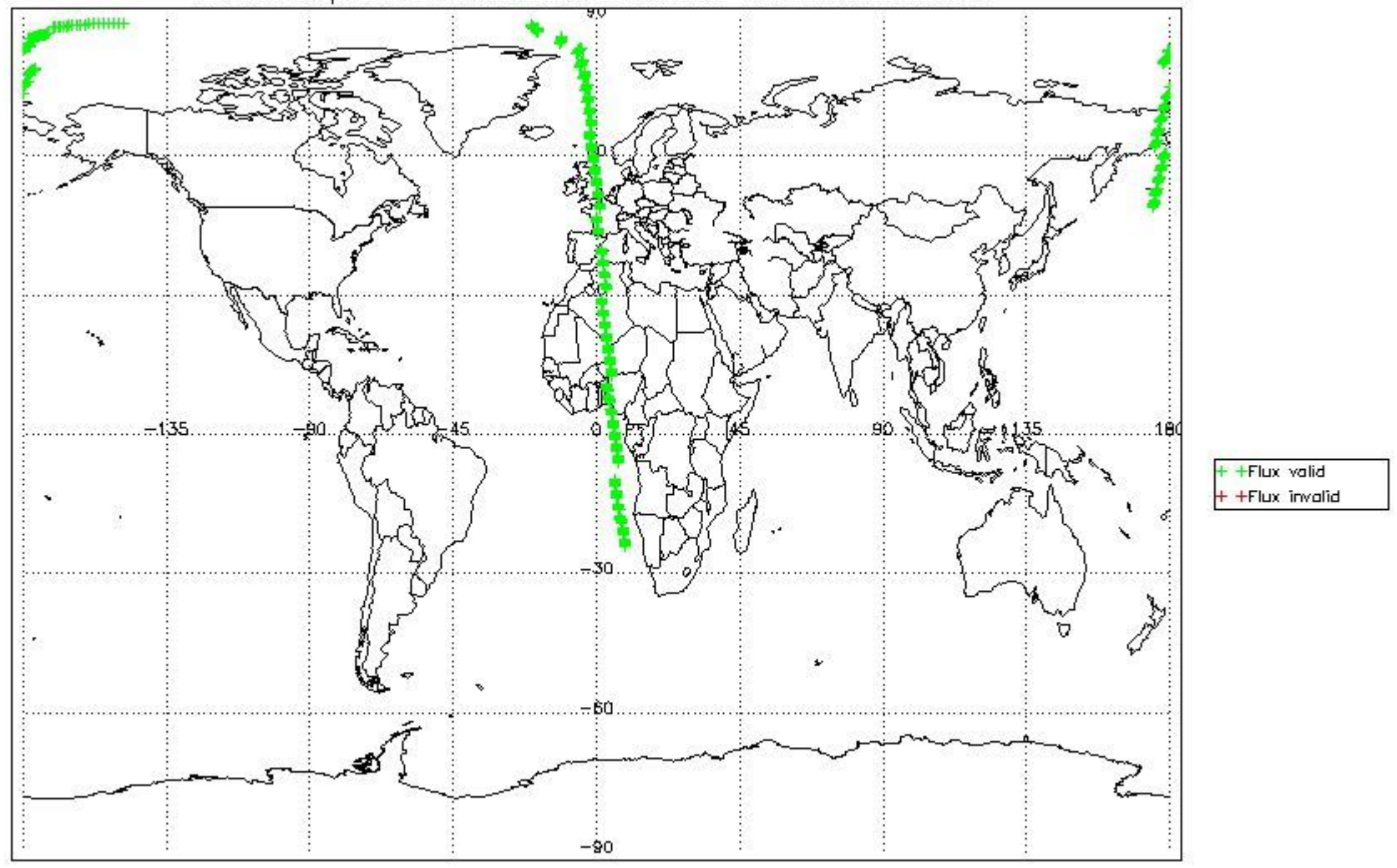


mipas\_daily\_report\_level1\_OFL\_MIPAS\_4\_65\_P\_20060219\_41.PNG

Bar plot of MIPNL1P\_MIPLEV1BMDS\_detect\_non\_in\_flux detector A2

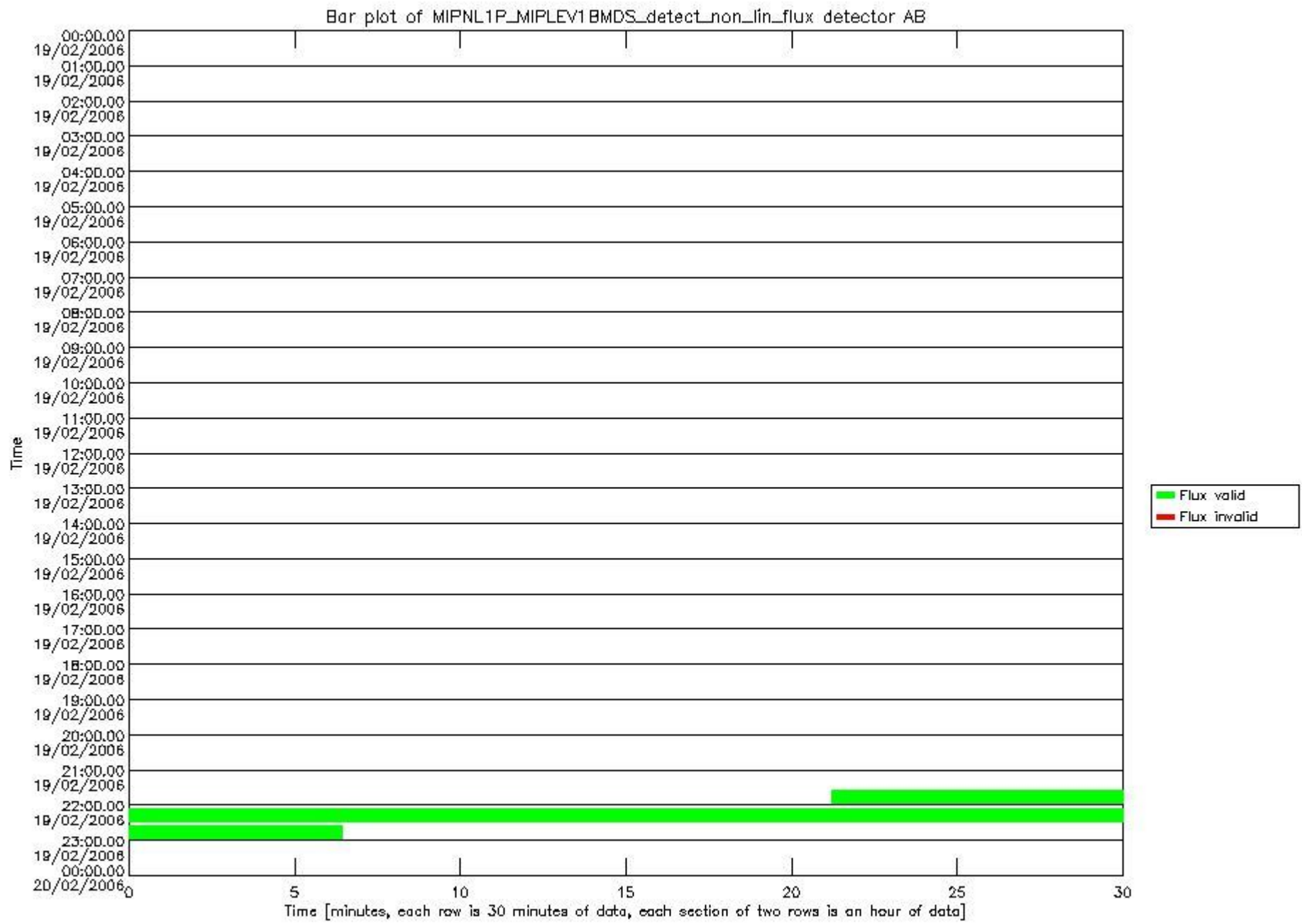


Geolocation plot of MIPNL1P\_MIPLEV1BMDS\_detect\_non\_in\_flux detector A2

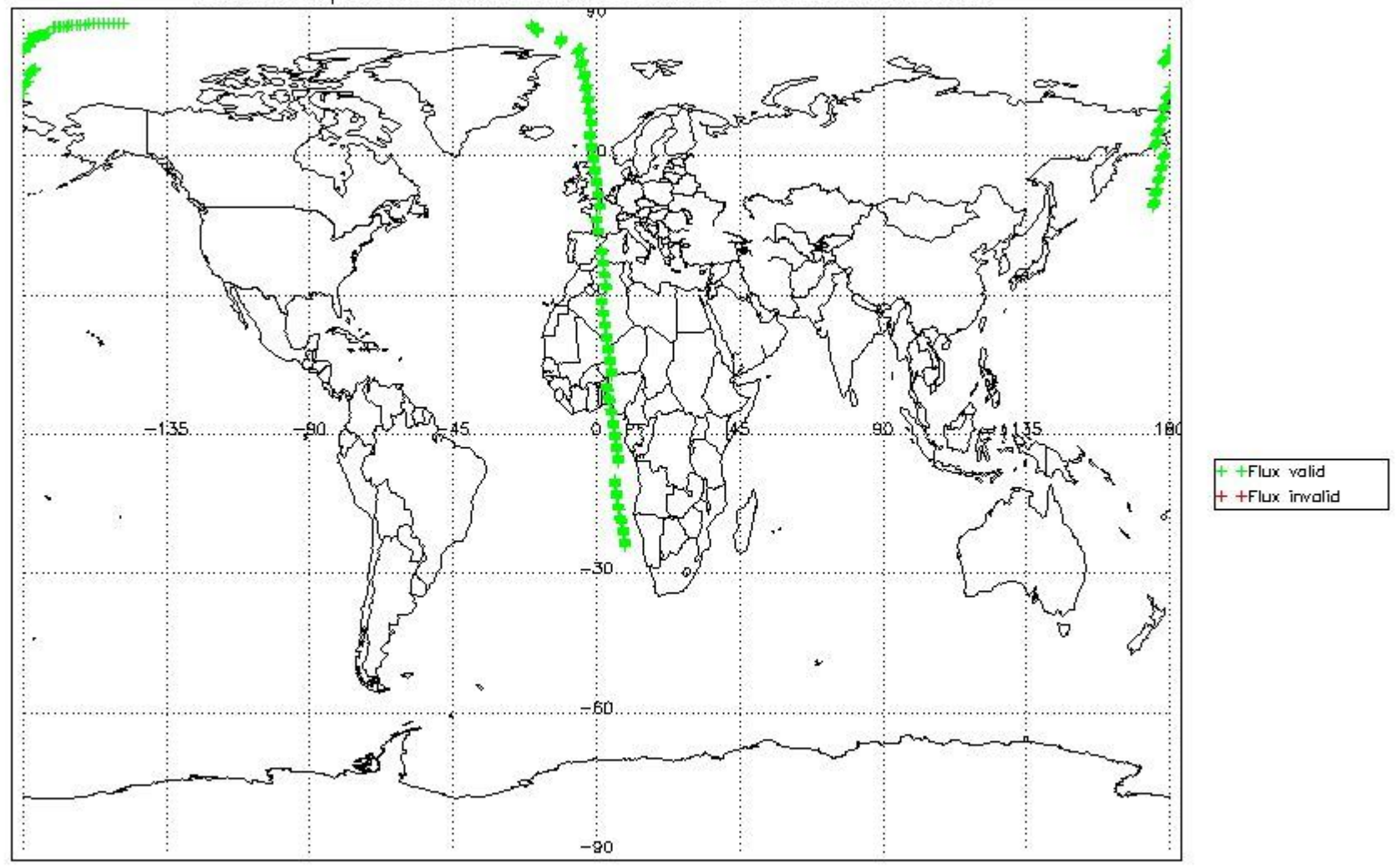


mipas\_daily\_report\_level1\_OFL\_MIPAS\_4\_65\_P\_20060219\_43.PNG

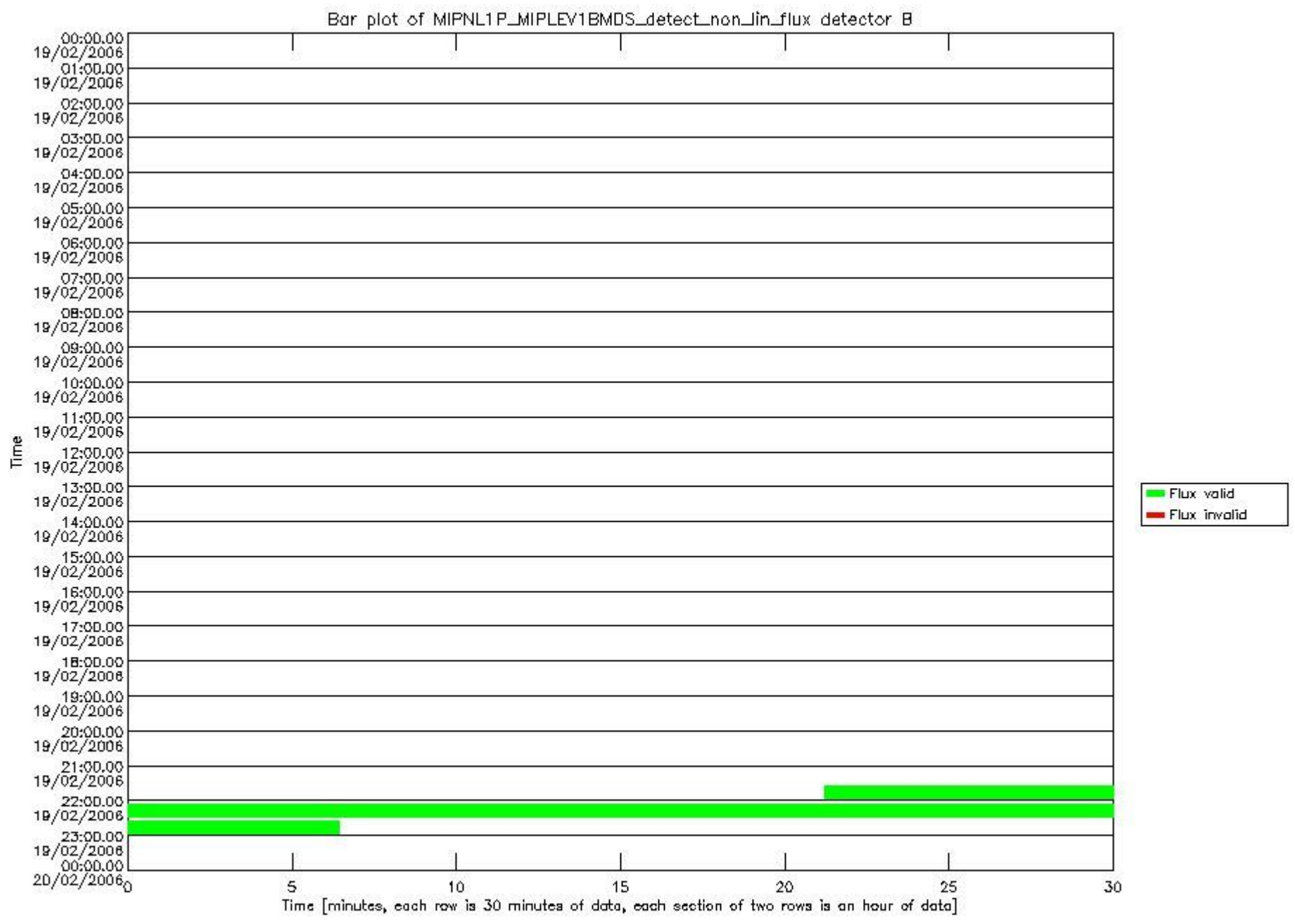


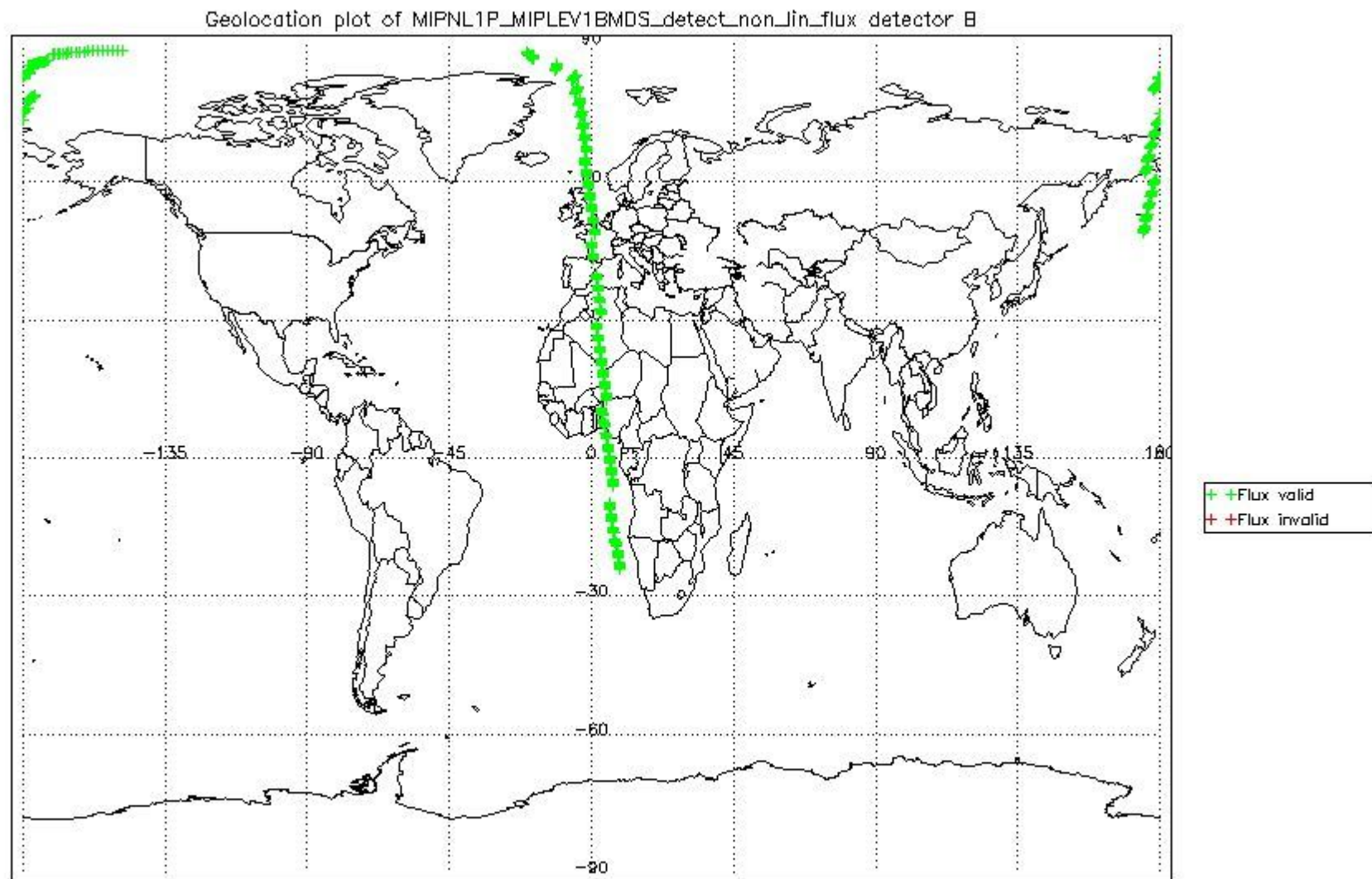


Geolocation plot of MIPNL1P\_MIPLEV1BMDS\_detect\_non\_lin\_flux detector AB



mipas\_daily\_report\_level1\_OFL\_MIPAS\_4\_65\_P\_20060219\_45.PNG





mipas\_daily\_report\_level1\_OFL\_MIPAS\_4\_65\_P\_20060219\_47.PNG

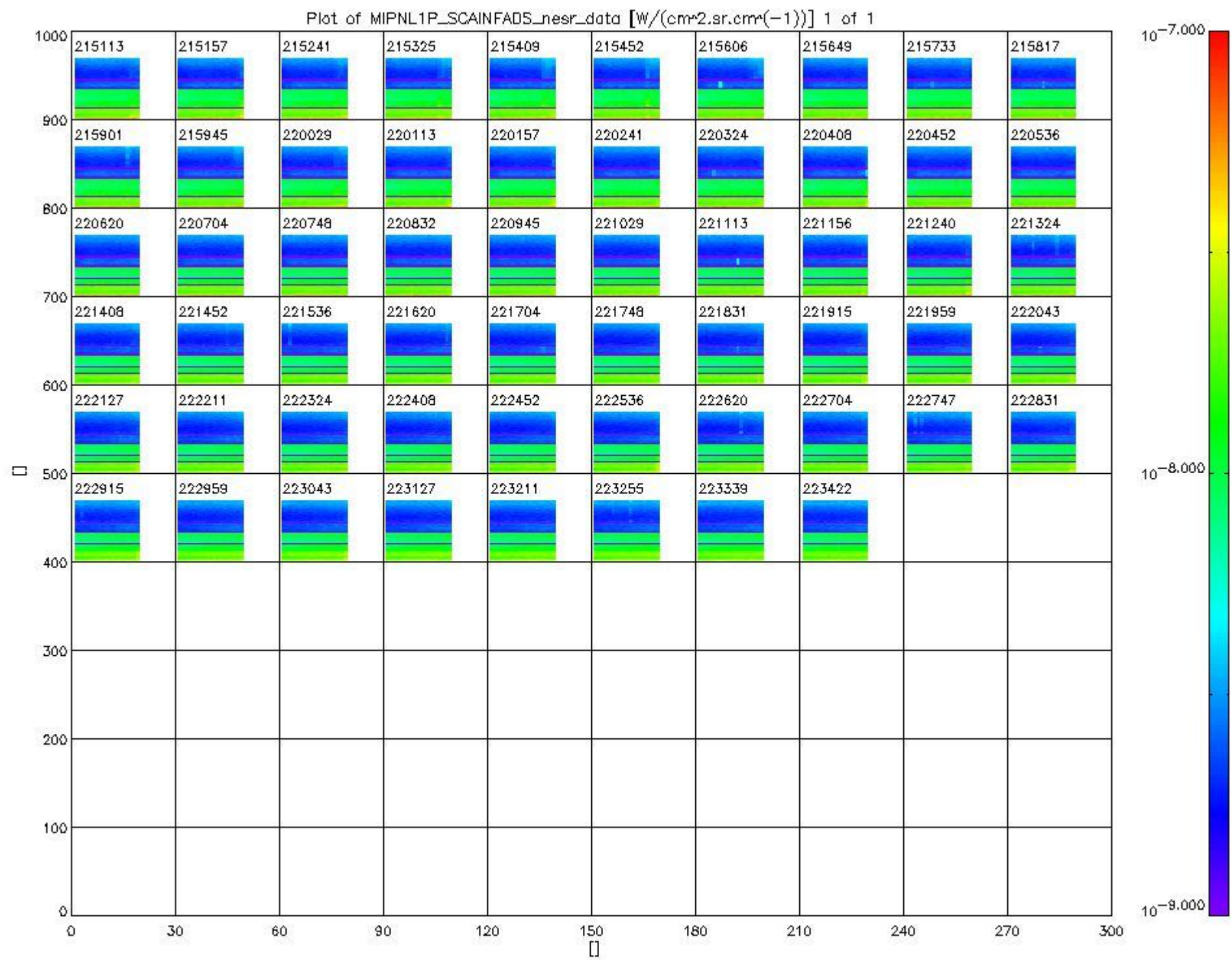
### 1.2.3 Scan information ADS

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.

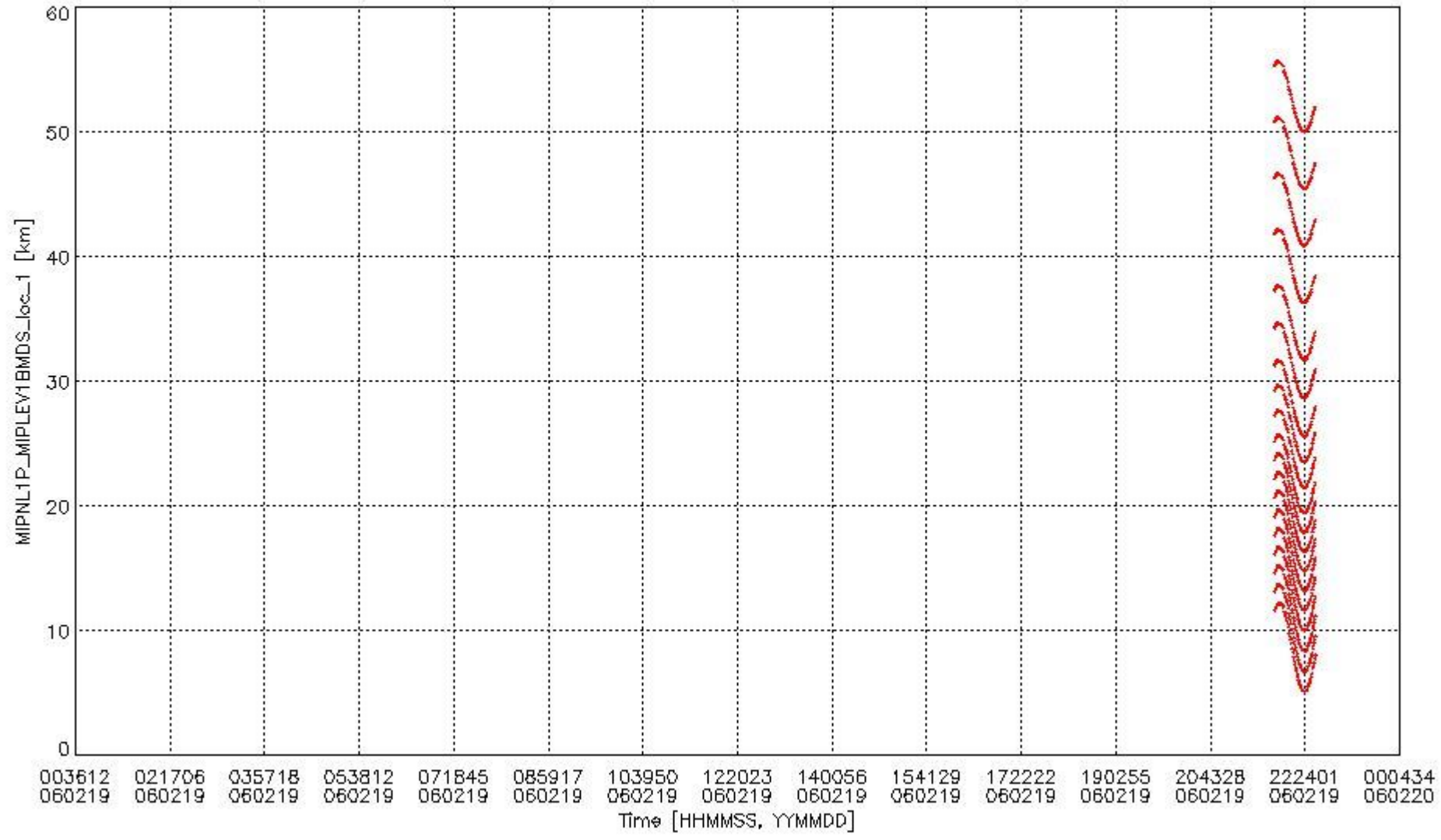
The data values themselves are indicated by colours (as indicated on the right of the plot). Please refer to the plot header for data units.



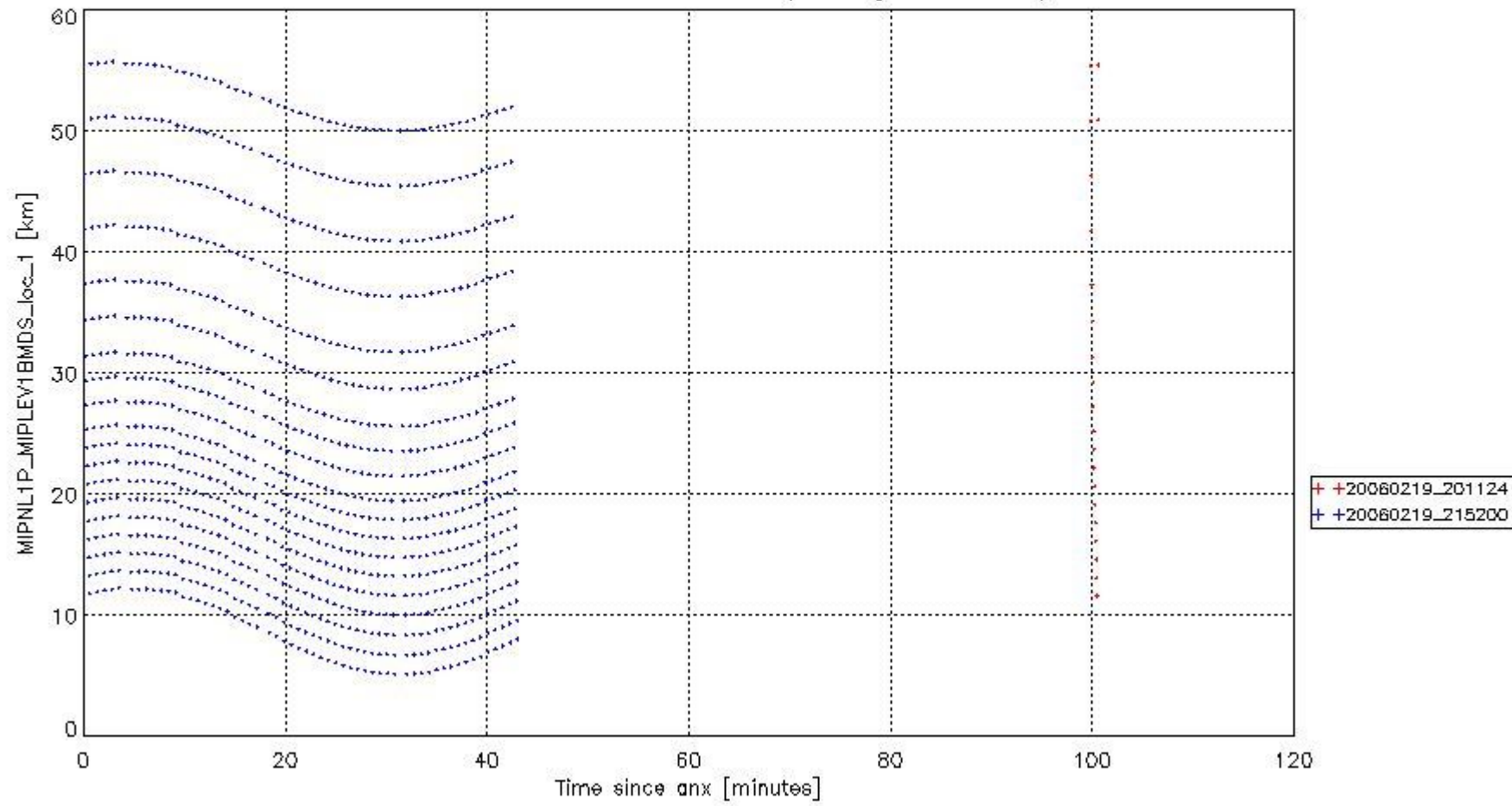
mipas\_daily\_report\_level1\_OFL\_MIPAS\_4\_65\_P\_20060219\_48.PNG

### 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).

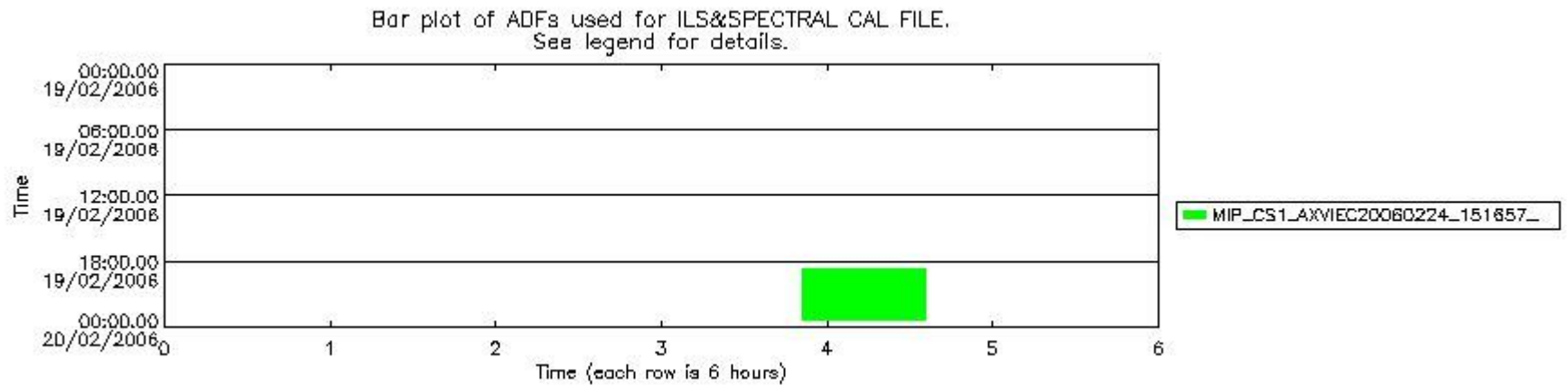


mipas\_daily\_report\_level1\_OFL\_MIPAS\_4\_65\_P\_20060219\_50.PNG

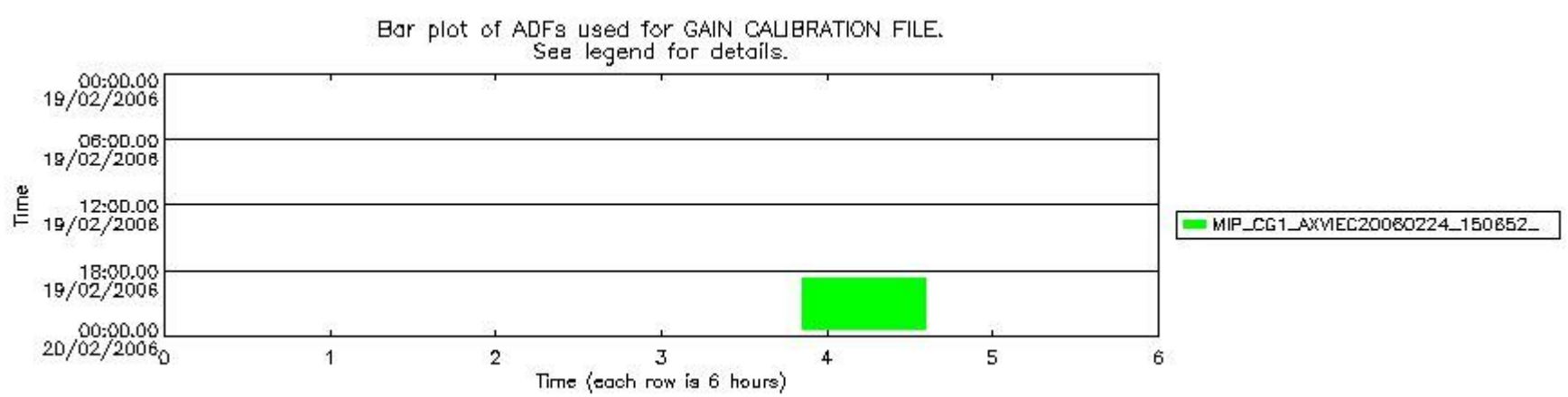
## 1.4 ADF monitoring

Number	ADF
0	AUX_FRO_AXVPDS20060222_115351_20060218_221000_20060221_005000
1	MIP_CA1_AXVIEC20050627_094412_20040809_000000_20090809_000000
2	MIP_CG1_AXVIEC20060224_150652_20060214_000000_20110214_000000
3	MIP_CL1_AXVIEC20050420_152028_20050420_095747_20100420_095747
4	MIP_CO1_AXVIEC20060224_150146_20060214_000000_20110214_000000
5	MIP_CS1_AXVIEC20060224_151657_20060214_000000_20110214_000000
6	MIP_MW1_AXVIEC20050627_094928_20040809_000000_20090809_000000
7	MIP_PS1_AXVIEC20050627_100609_20040809_000000_20090809_000000

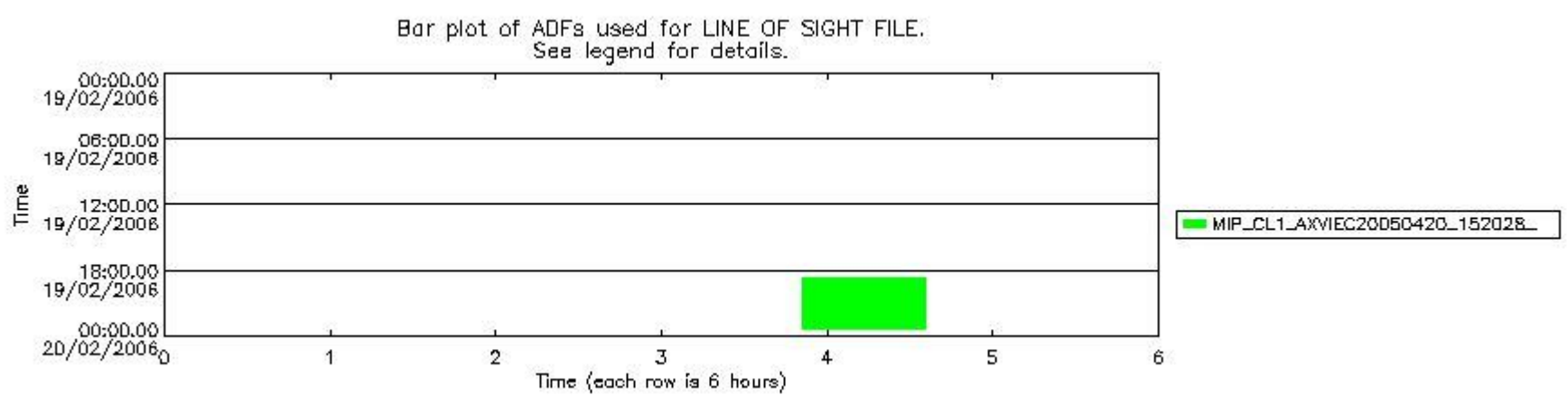
Number	Product name	#CS1	#CG1	#CL1	#CA1	#CO1	#MW1	#PS1	#FPO
0	MIP_NL_1PPDPA20060219_215113_000026272045_00187_20782_2160.N1	5	2	3	1	4	6	7	0



mipas\_daily\_report\_level1\_OFI\_MIPAS\_4\_65\_P\_20060219\_51.PNG



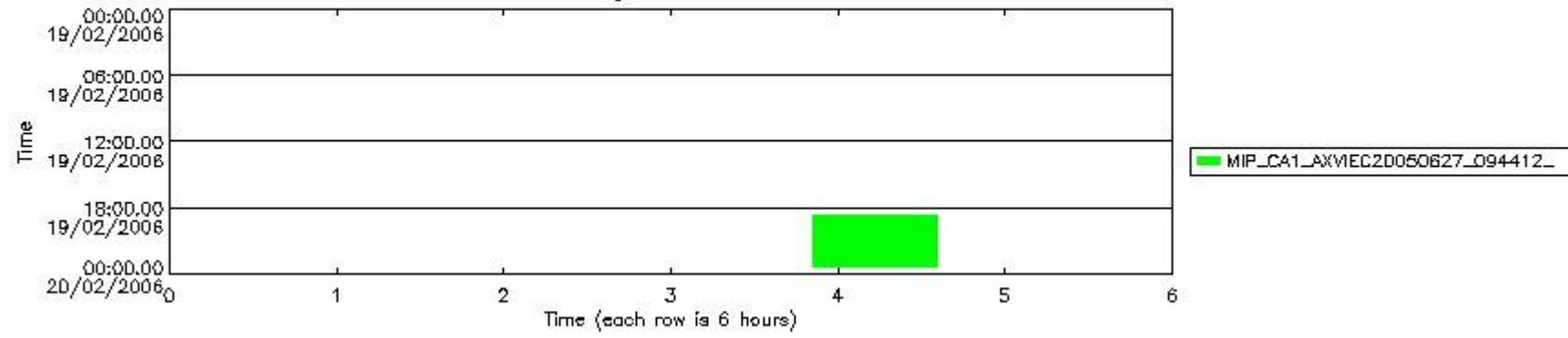
mipas\_daily\_report\_level1\_OFI\_MIPAS\_4\_65\_P\_20060219\_52.PNG



mipas\_daily\_report\_level1\_OFI\_MIPAS\_4\_65\_P\_20060219\_53.PNG

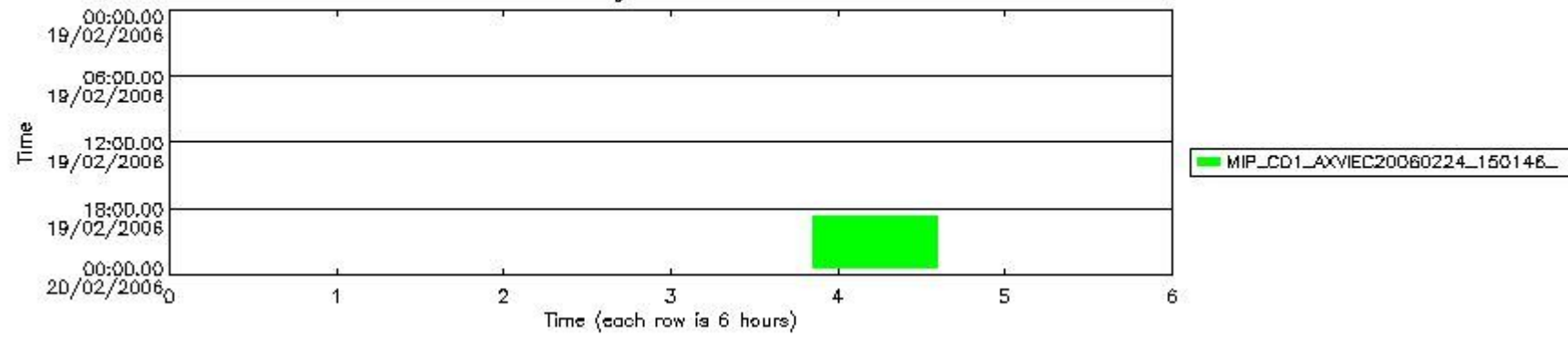


Bar plot of ADFs used for INSTRUMENT CHAR FILE.  
See legend for details.



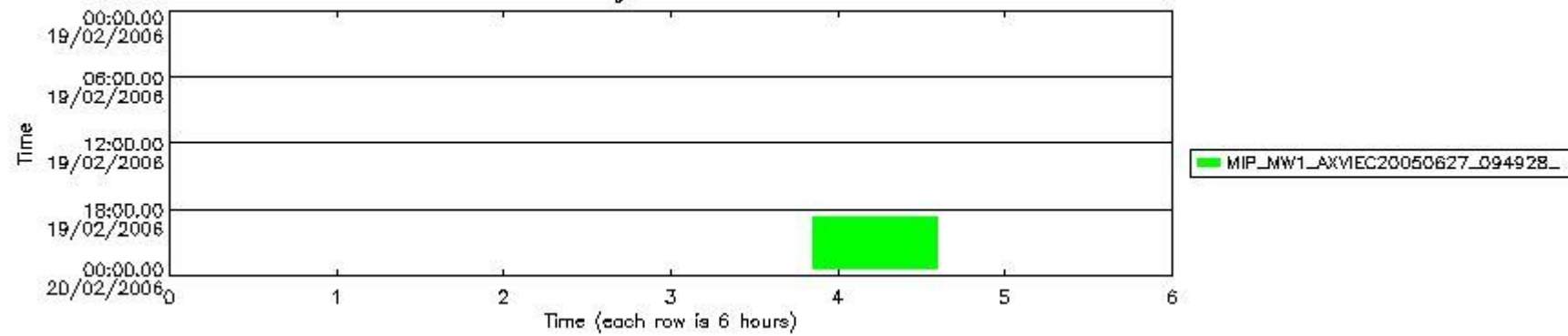
mipas\_daily\_report\_level1\_OFL\_MIPAS\_4\_65\_P\_20060219\_54.PNG

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



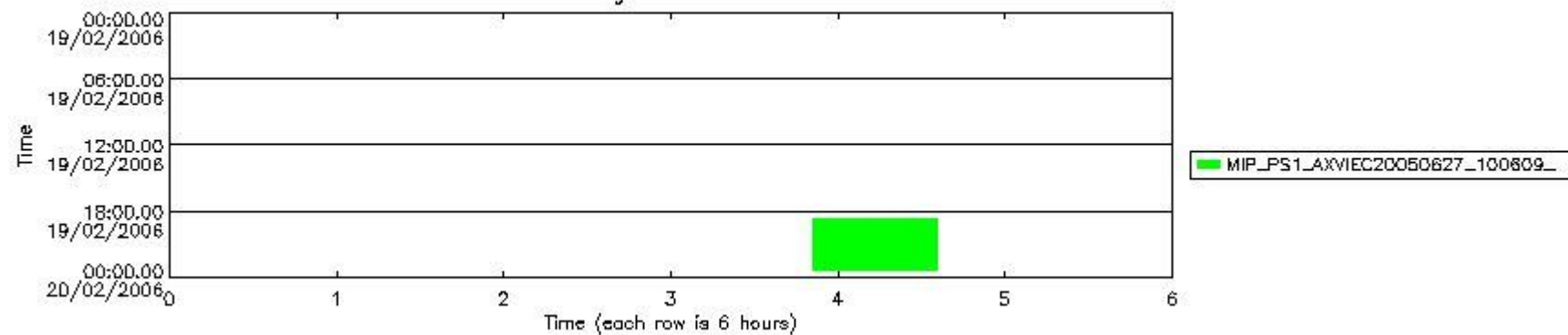
mipas\_daily\_report\_level1\_OFL\_MIPAS\_4\_65\_P\_20060219\_55.PNG

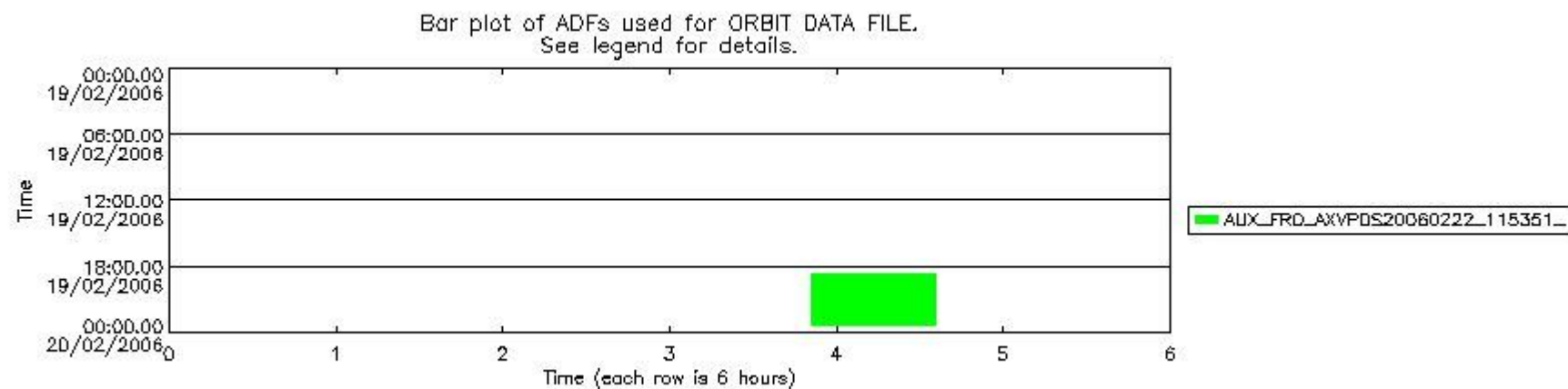
Bar plot of ADFs used for MICROWINDOWS FILE.  
See legend for details.



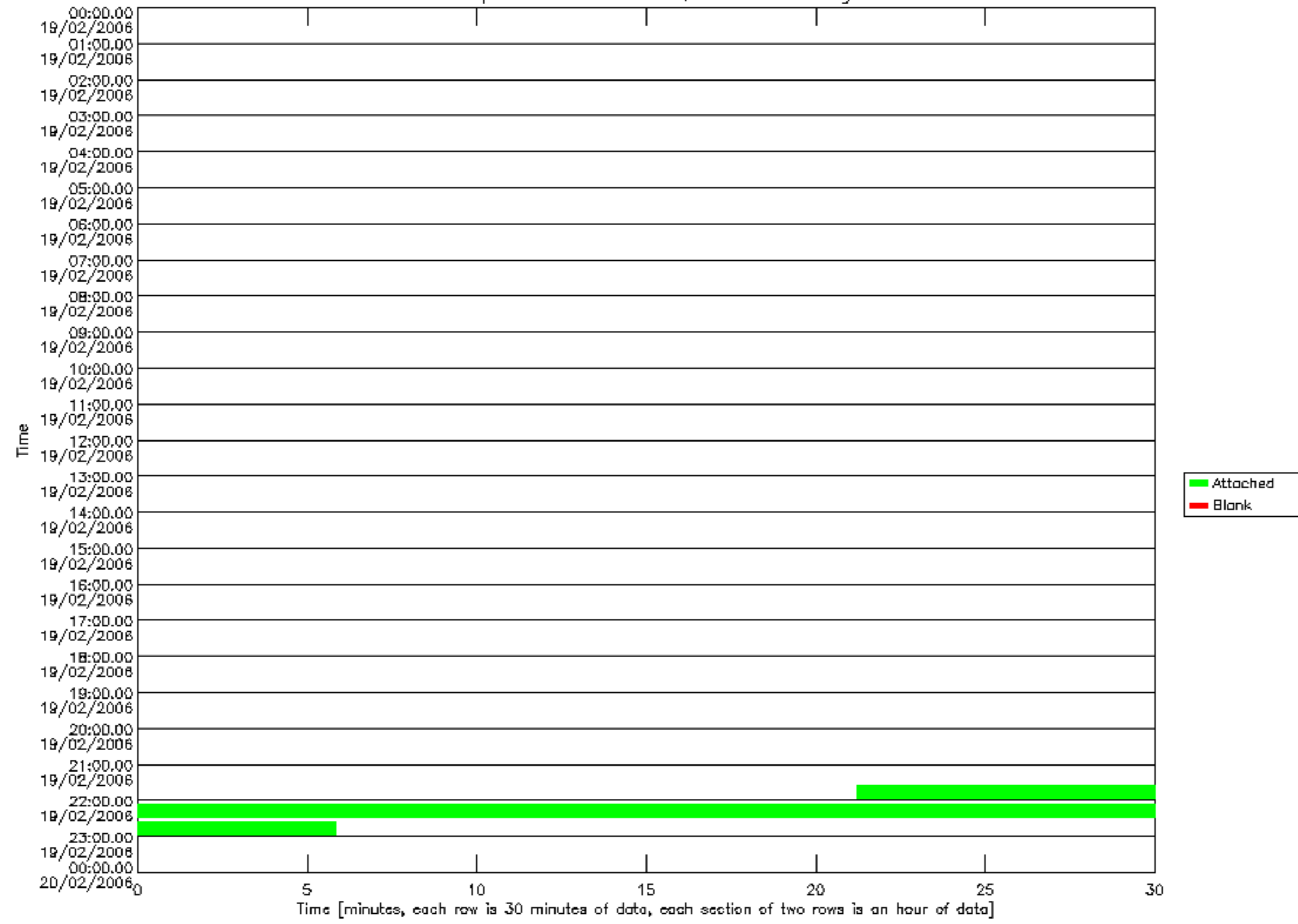
mipas\_daily\_report\_level1\_OFL\_MIPAS\_4\_65\_P\_20060219\_56.PNG

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

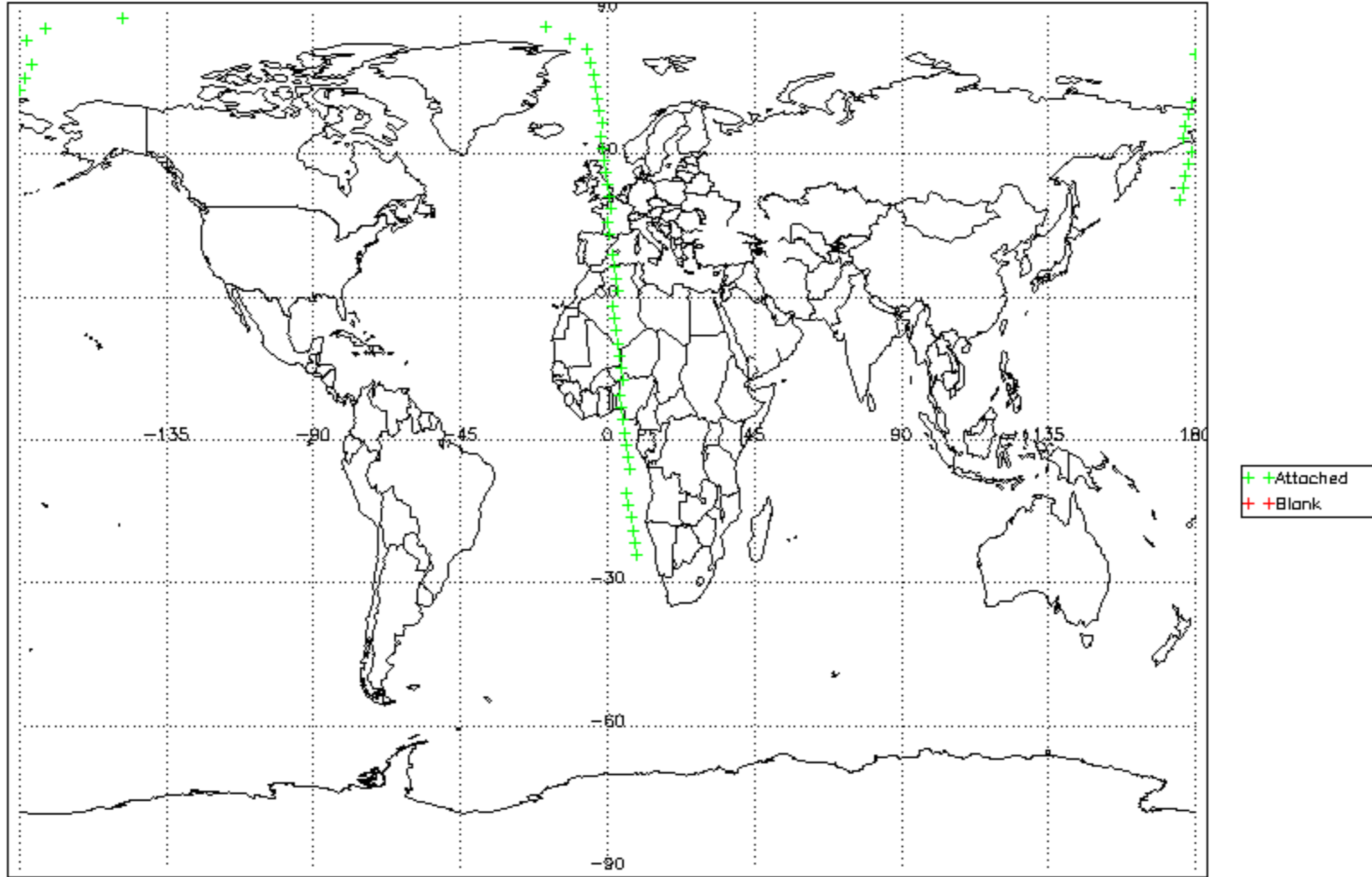


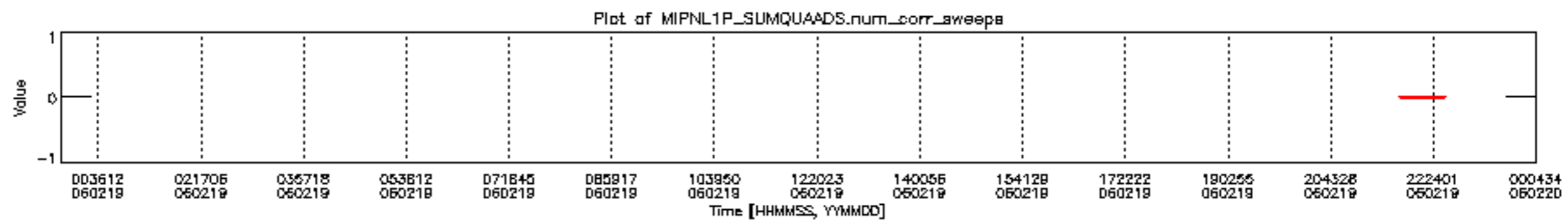


Bar plot of MIPNL1P\_SUMQUAADS.attach\_flag

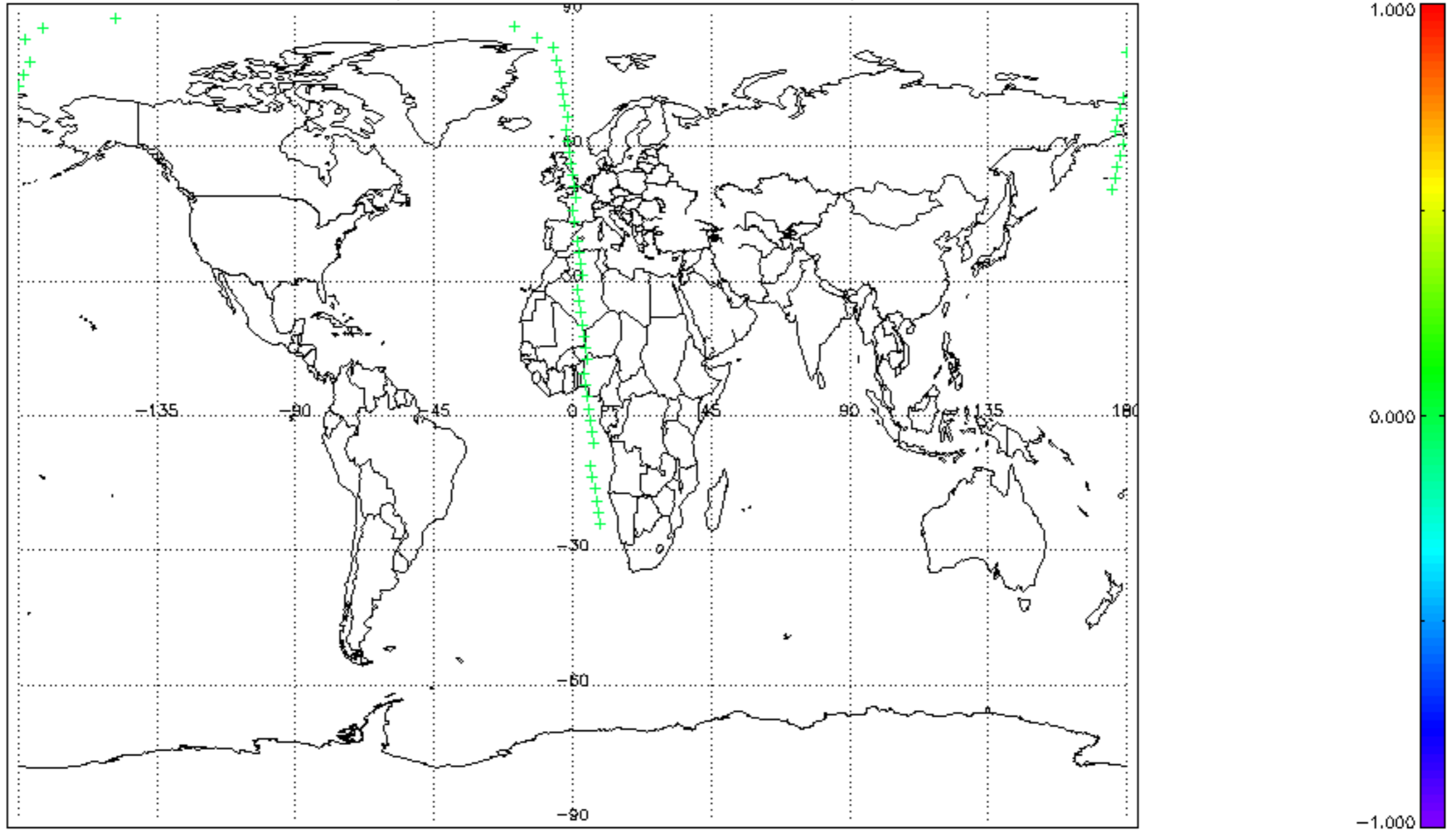


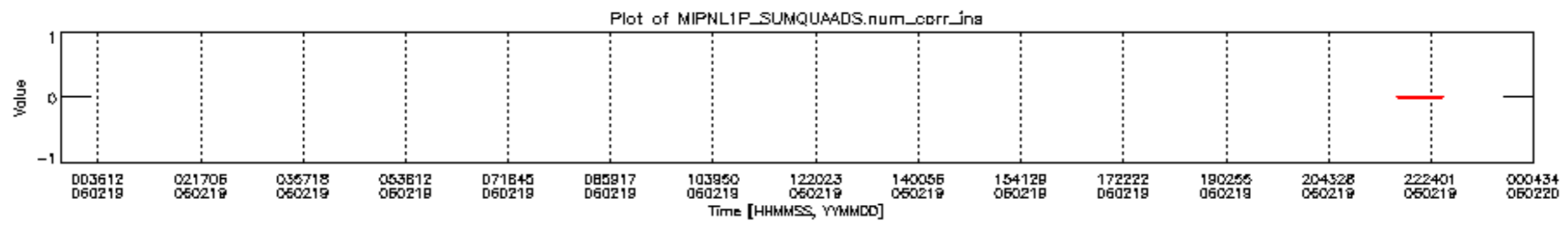
Geolocation plot of MIPNL1P\_SUMQUAADS.attach\_flag



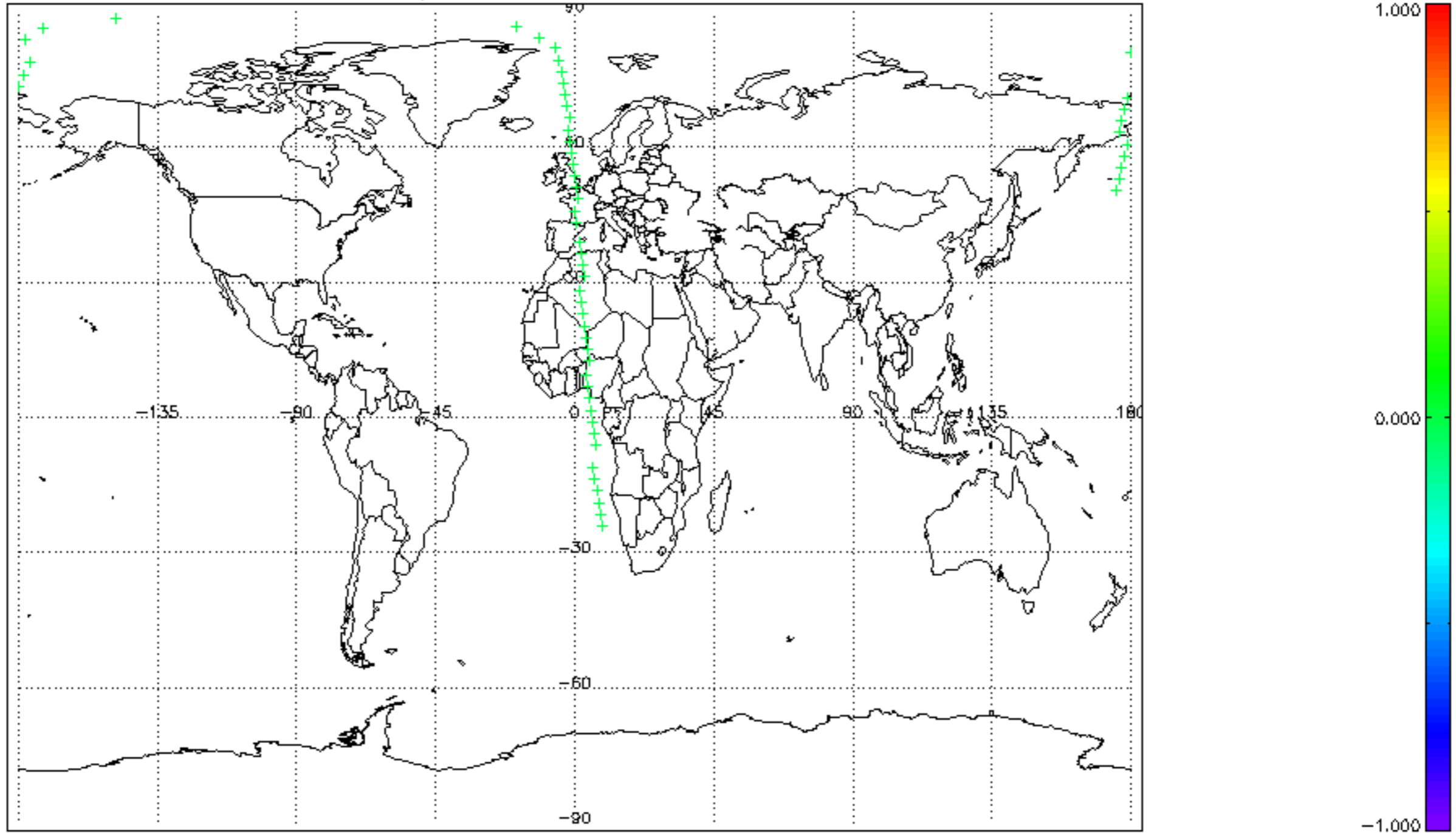


Geolocation plot of MIPNL1P\_SUMQUADS.num\_corr\_sweeps

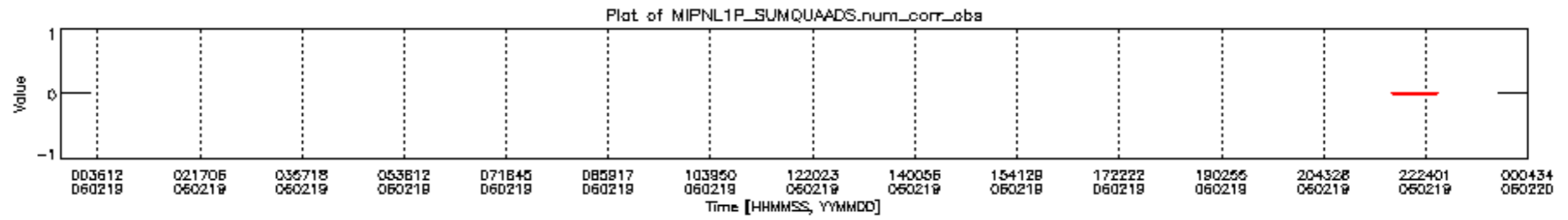




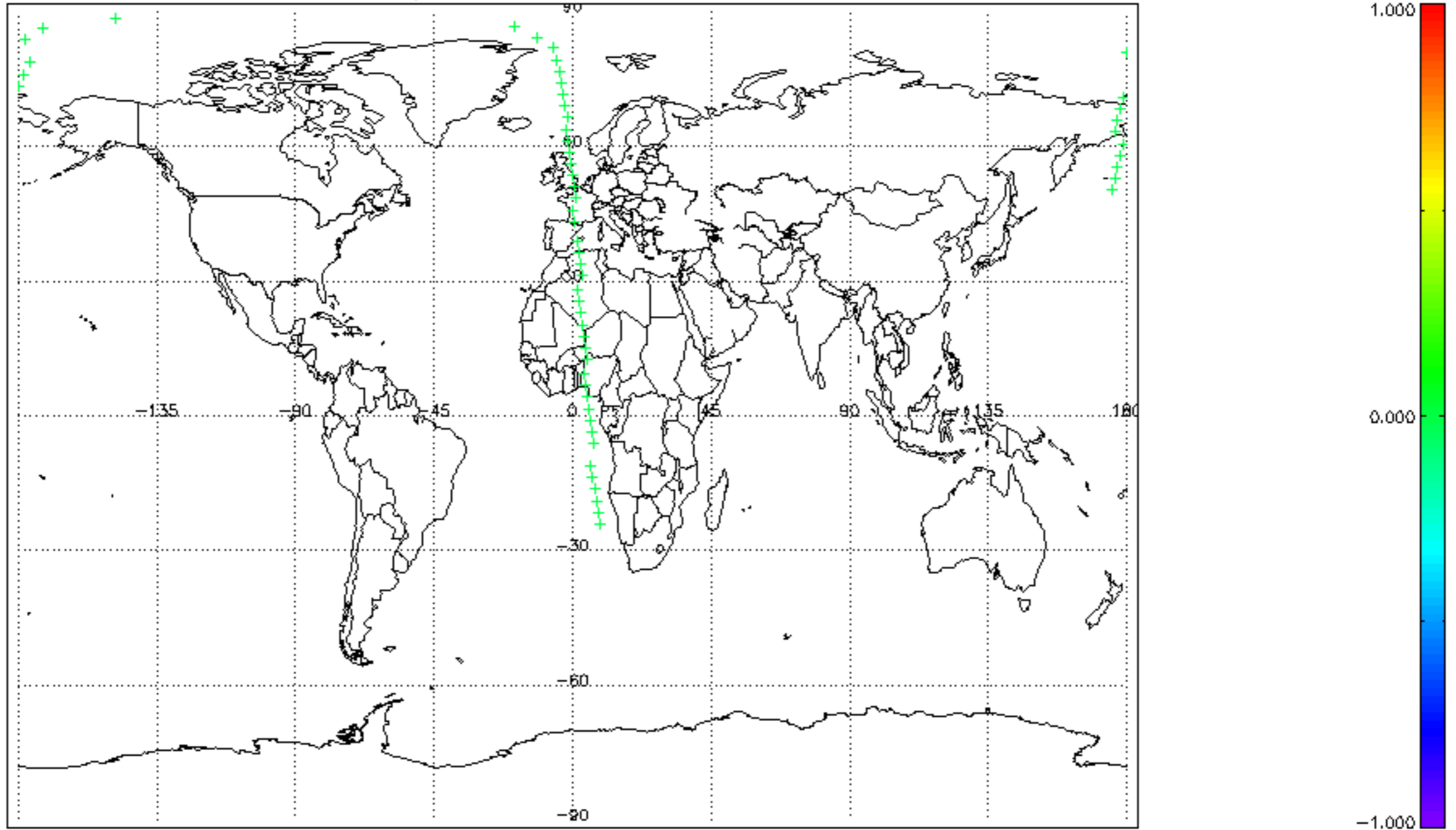
Geolocation plot of MIPNL1P\_SUMQUAADS.num\_corr\_ins

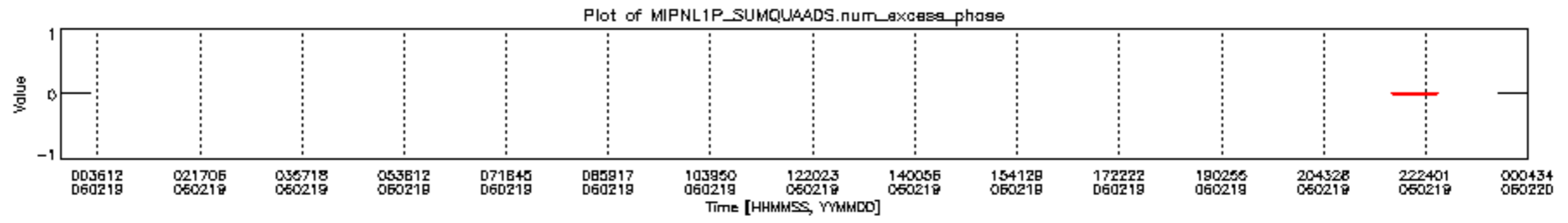




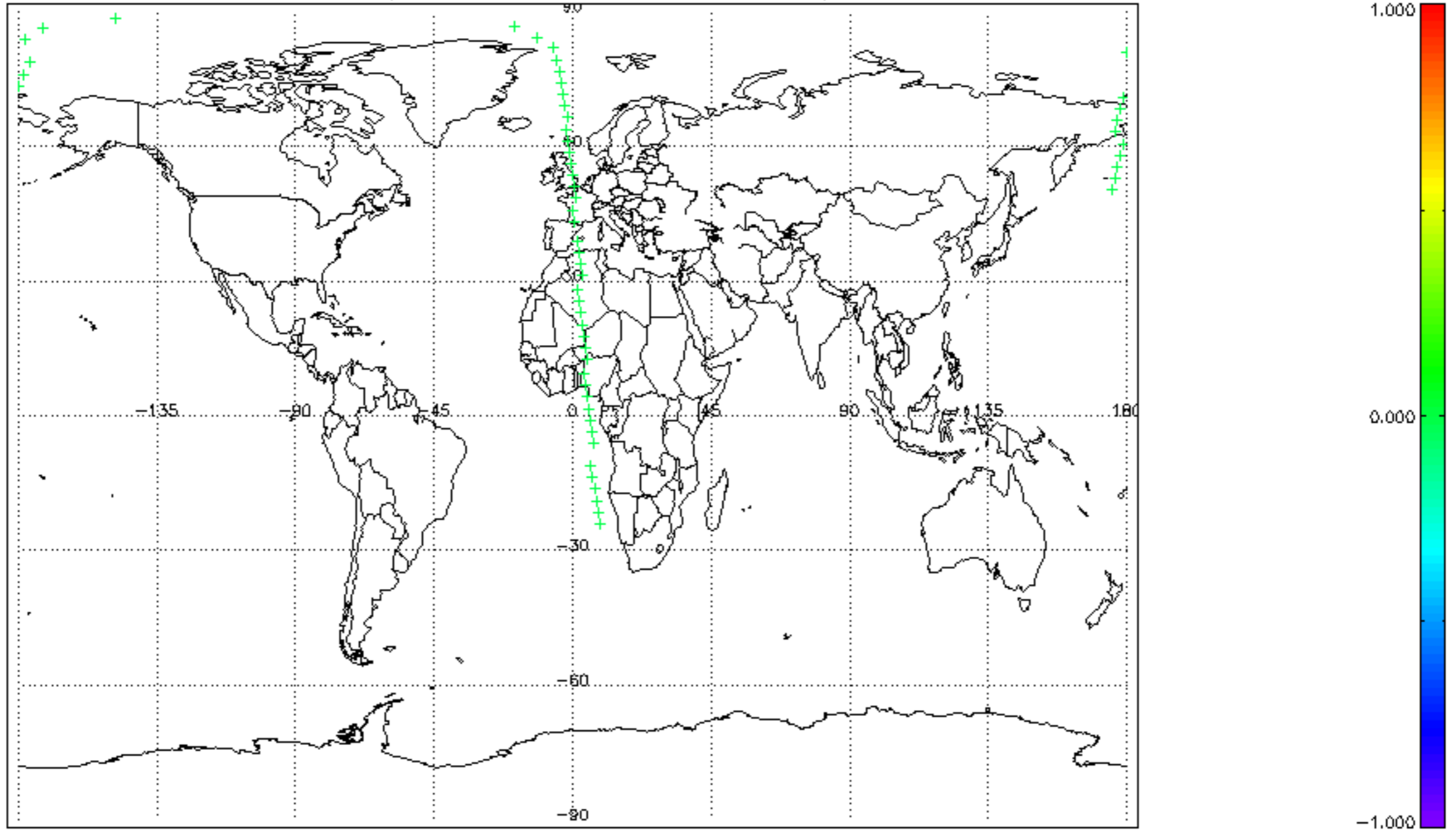


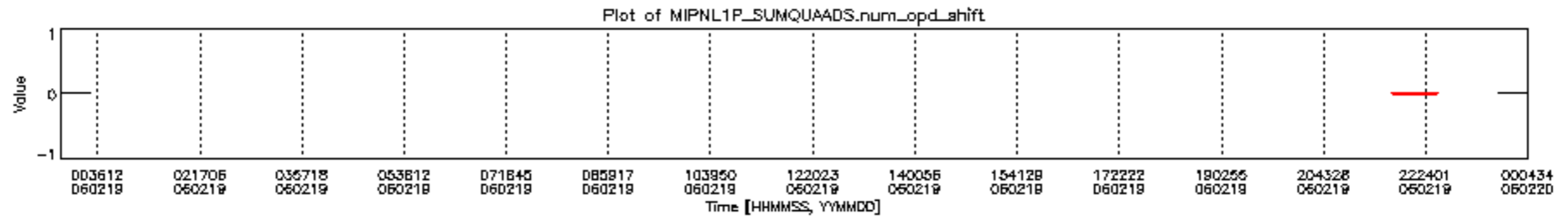
Geolocation plot of MIPNL1P\_SUMQUAADS.num\_corr\_obs



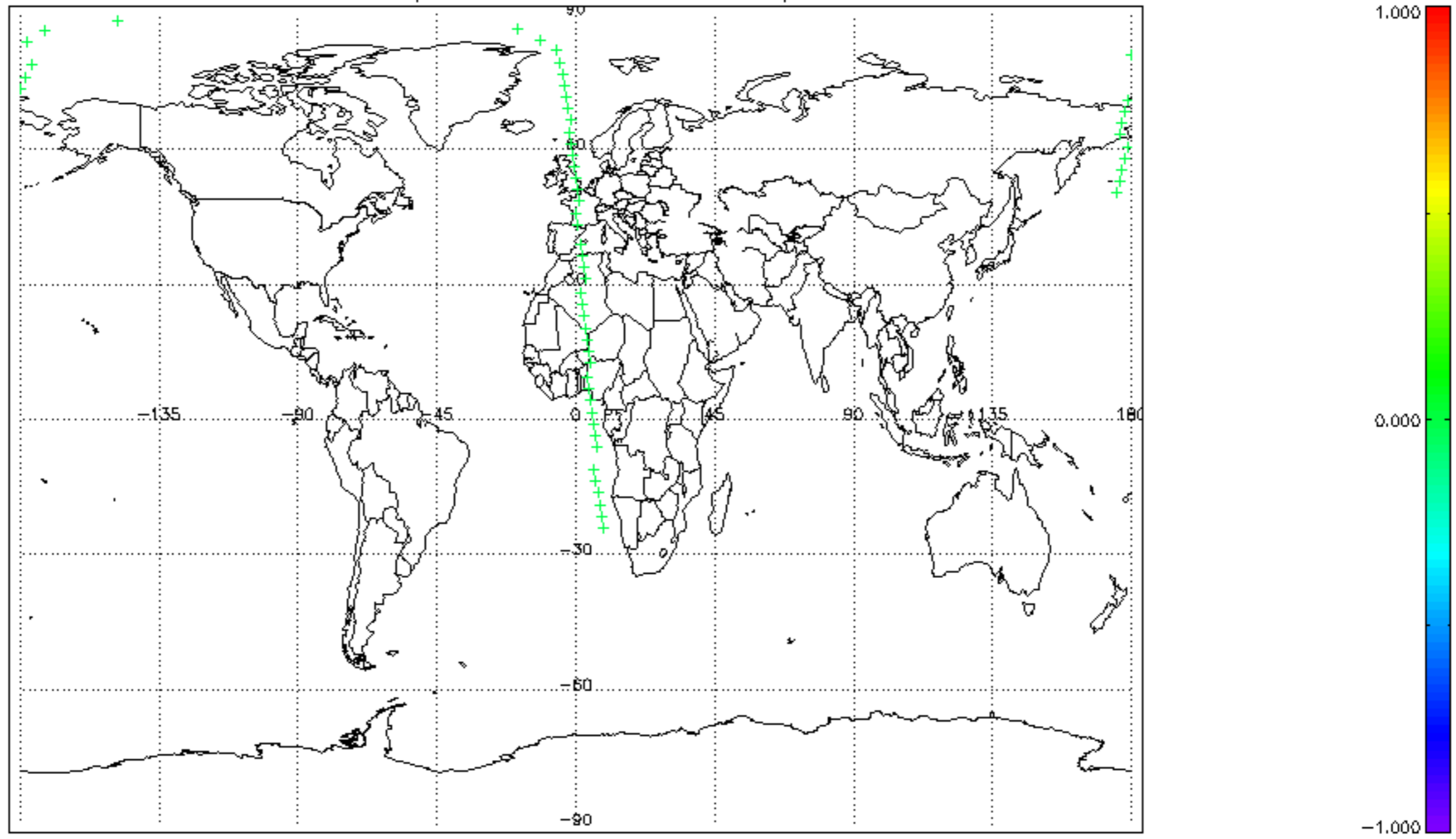


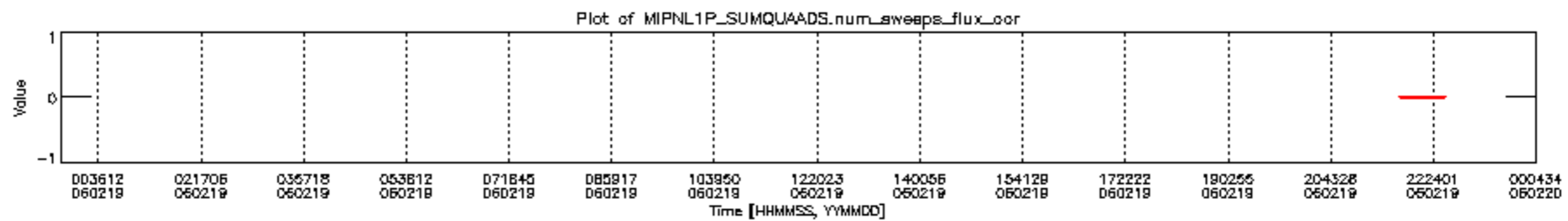
Geolocation plot of MIPNL1P\_SUMQUAADS.num\_excess\_phase



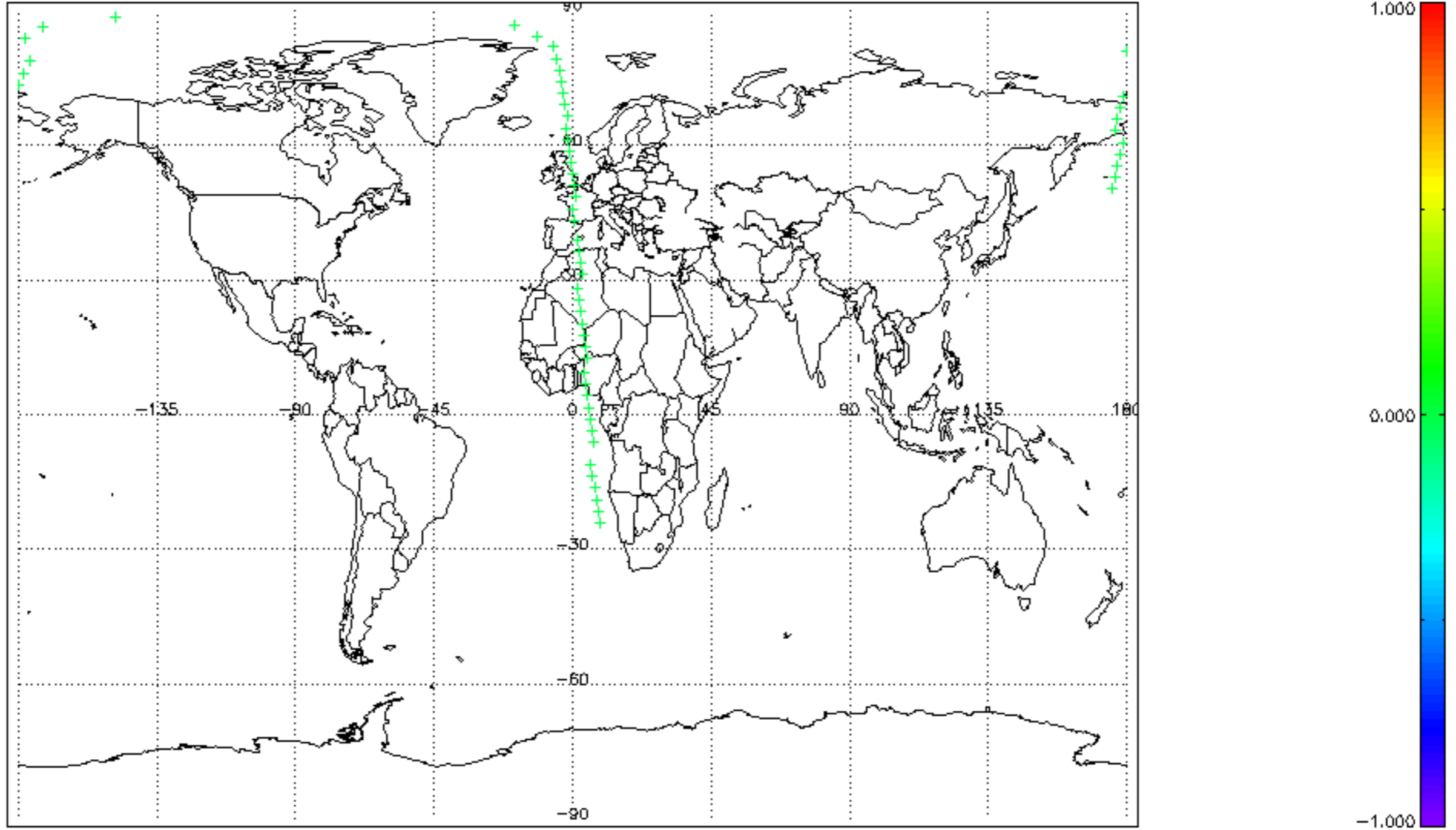


Geolocation plot of MIPNL1P\_SUMQUAADS.num\_opd\_shift



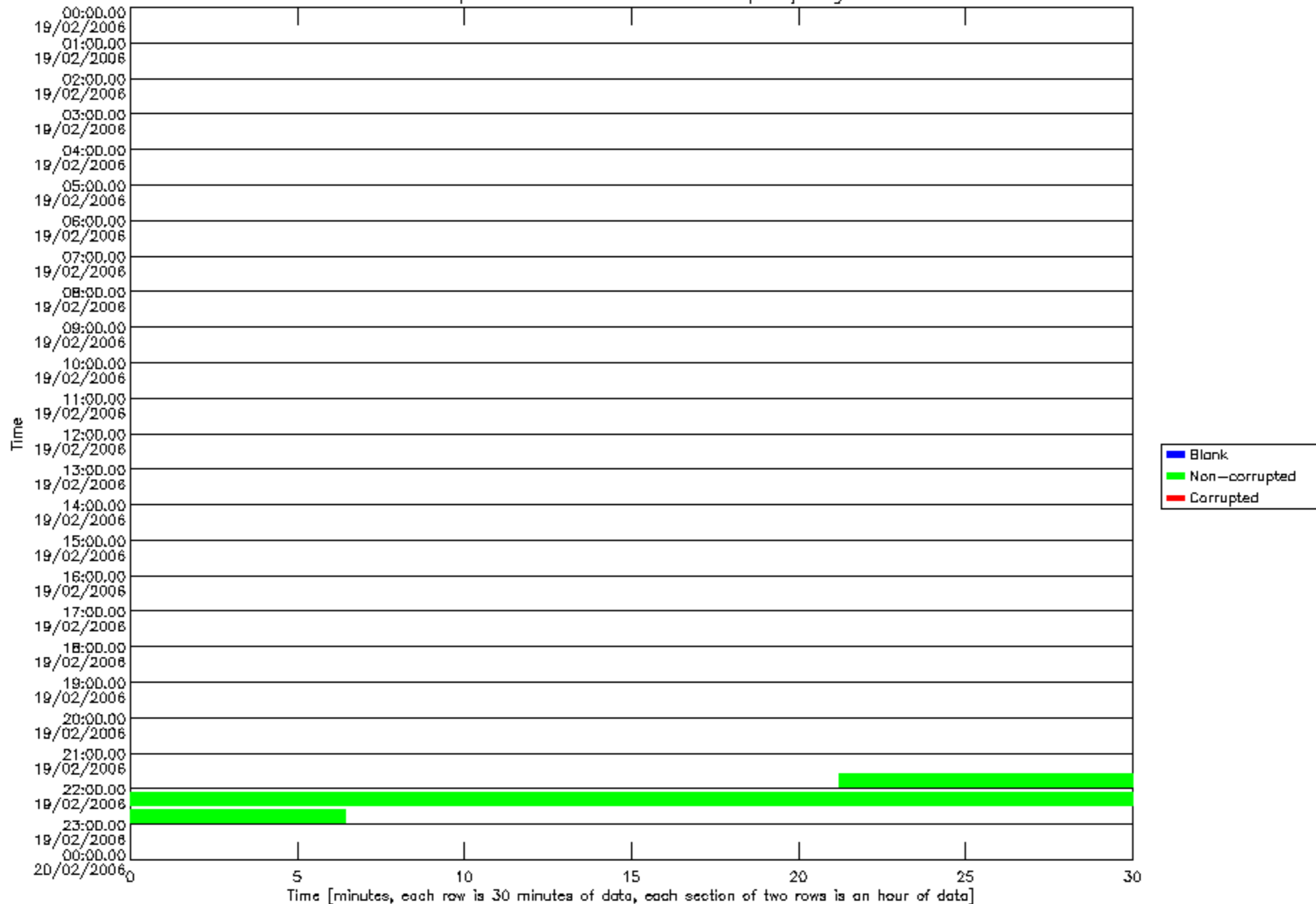


Geolocation plot of MIPNL1P\_SUMQUAADS.num\_sweeps\_flux\_oor

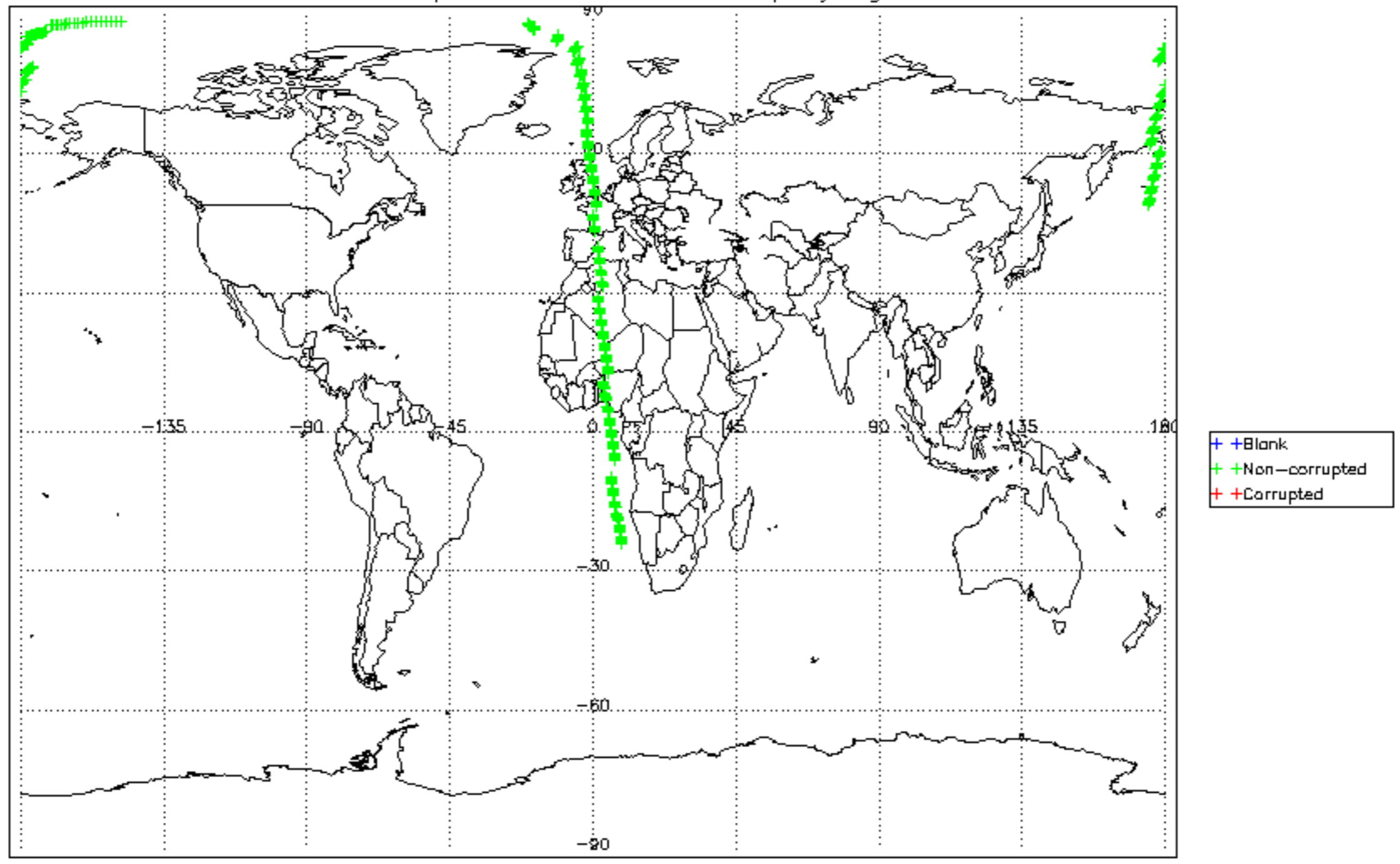


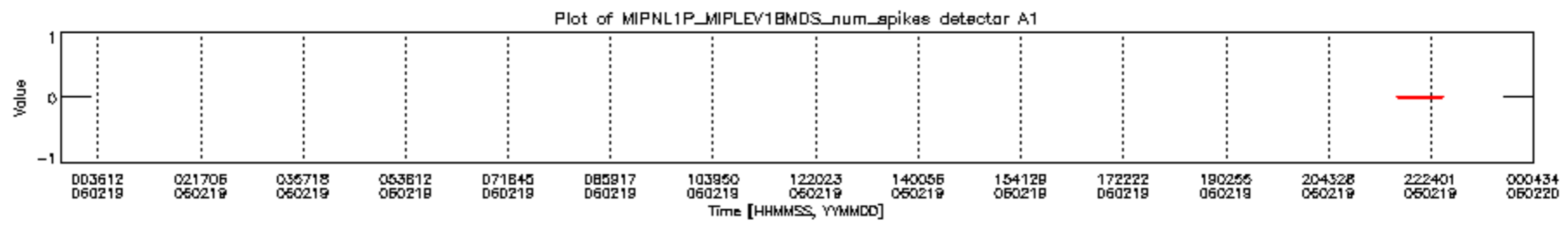


Bar plot of MIPNL1P\_MIPLEV1BMDS\_quality\_flag

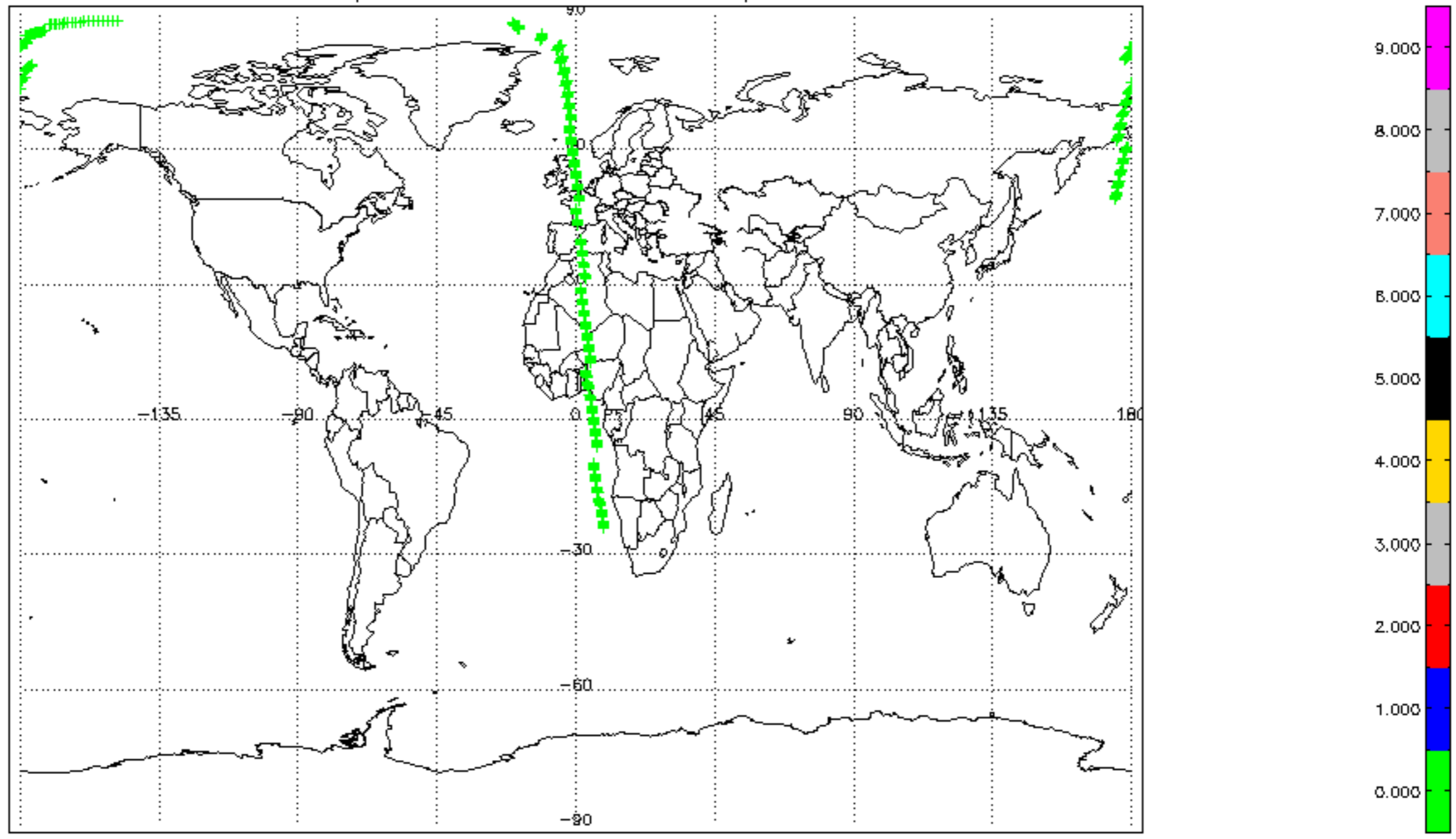


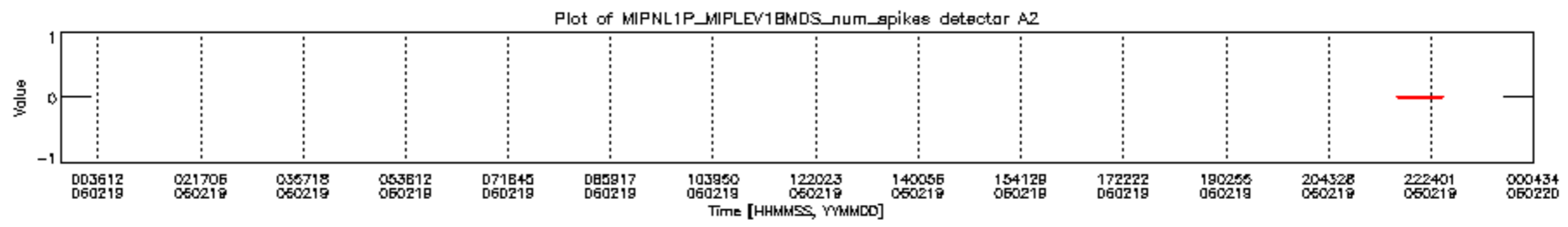
Geolocation plot of MIPNL1P\_MIPLEV1BMDS\_quality\_flag



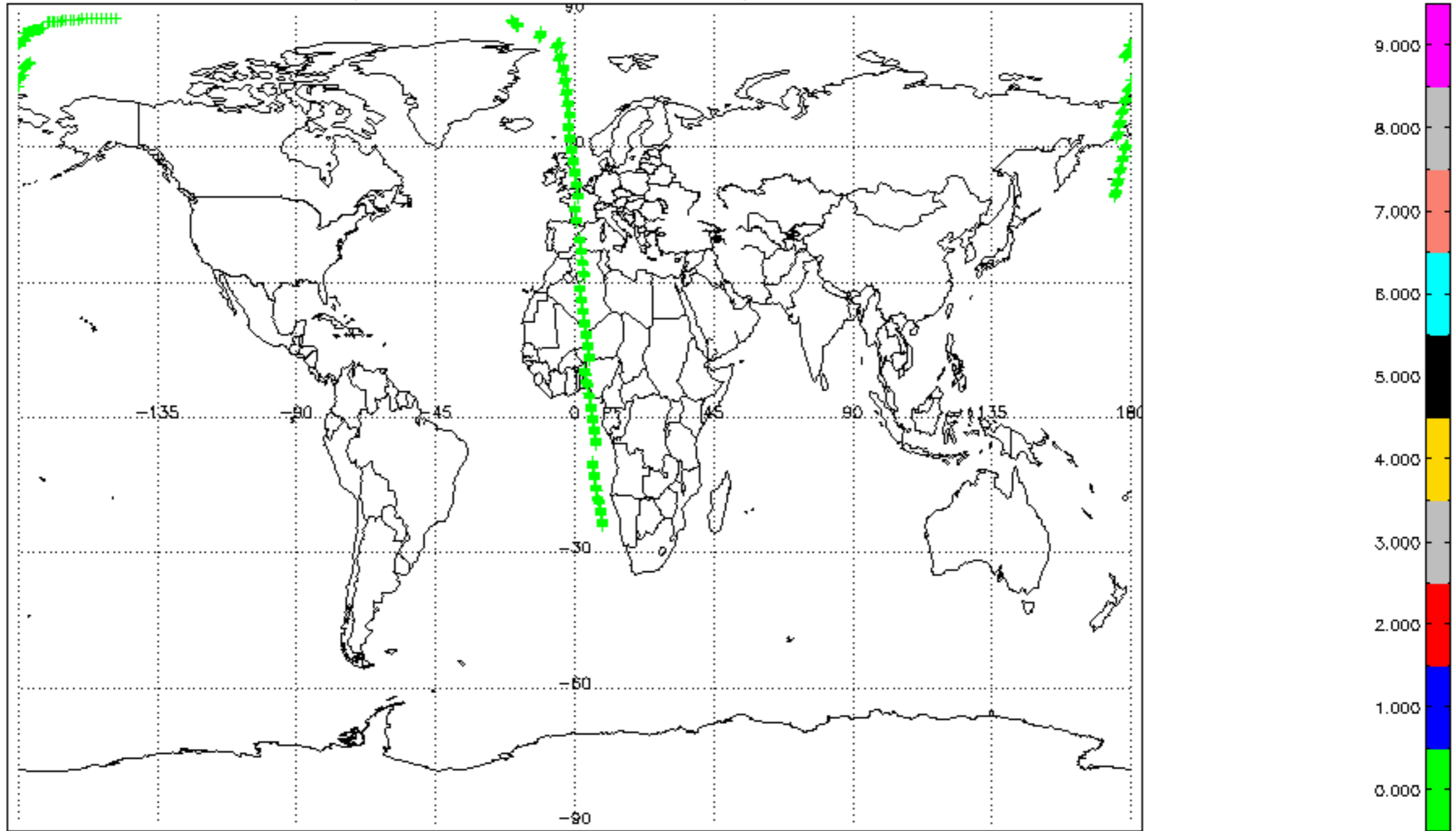


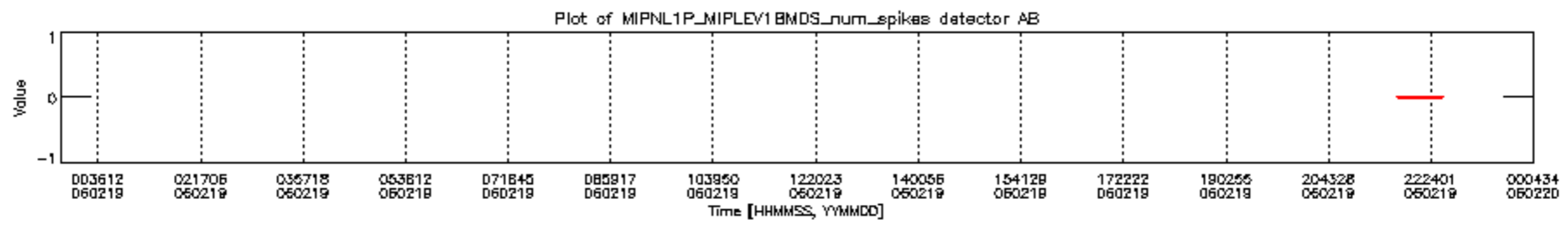
Geolocation plot of MIPNL1P\_MIPLEV1BMDS\_num\_spikes detector A1



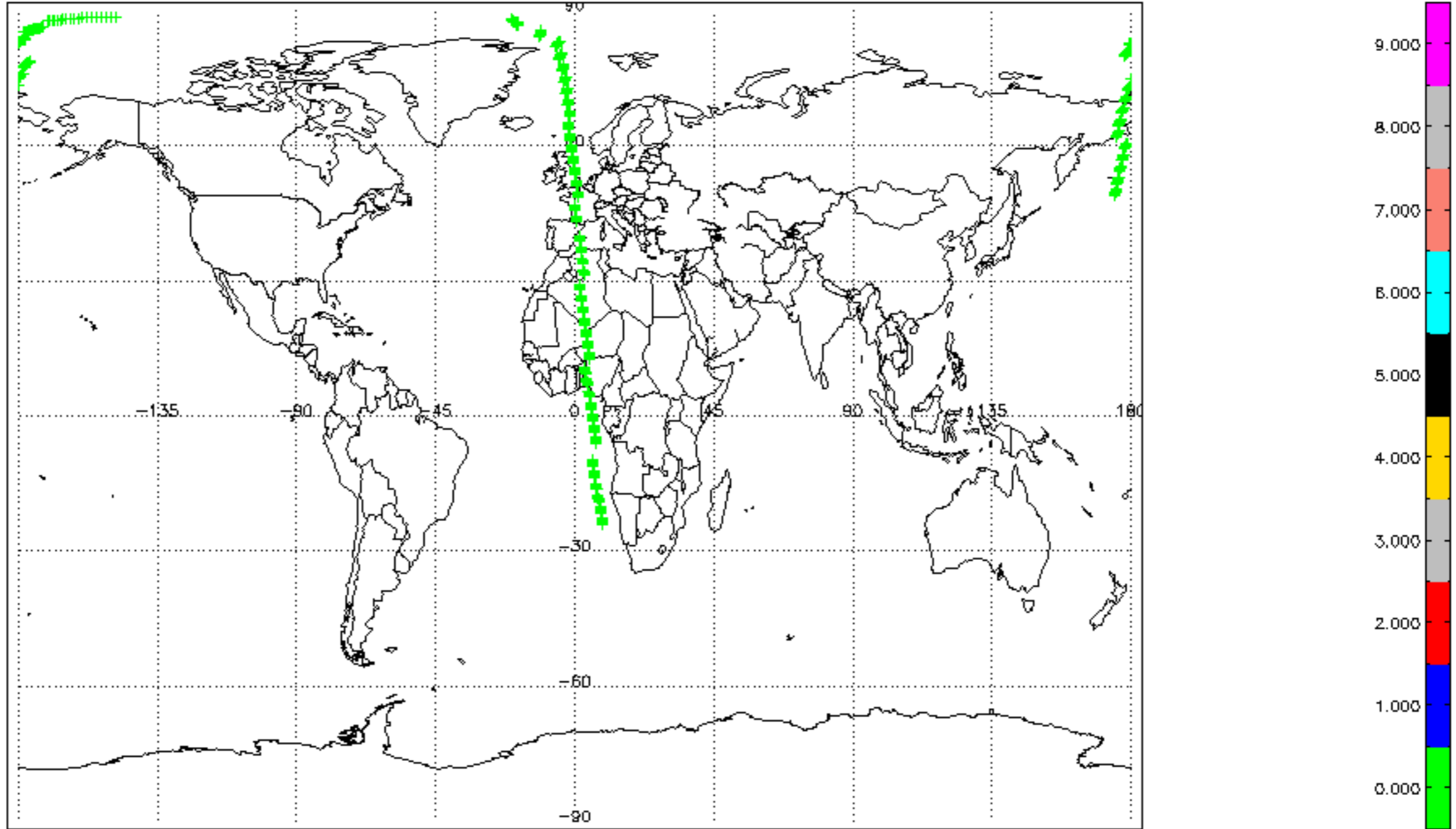


Geolocation plot of MIPNL1P\_MIPLEV1BMDS\_num\_spikes detector A2

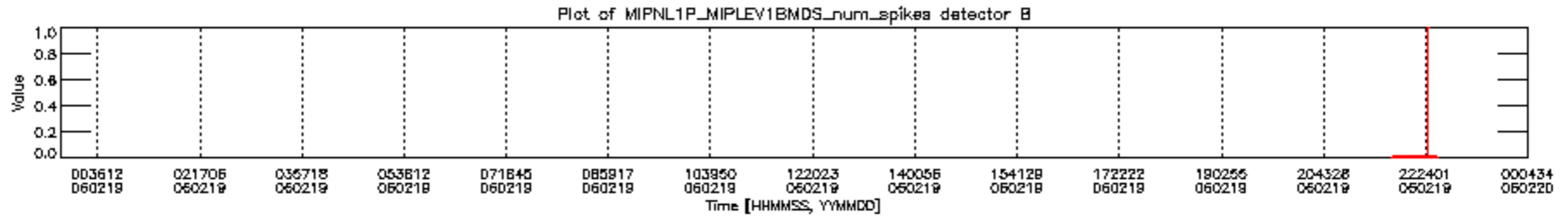




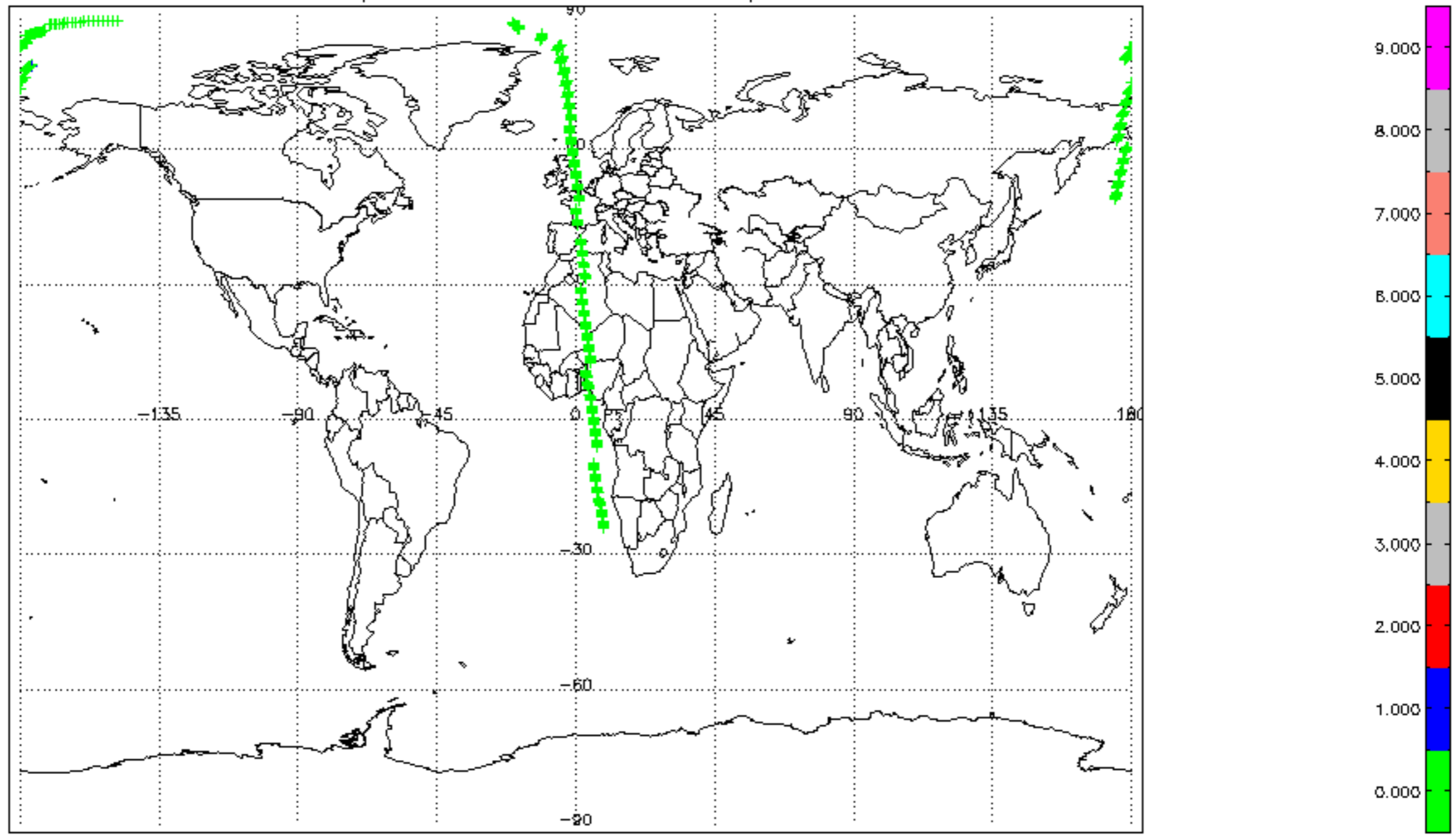
Geolocation plot of MIPNL1P\_MIPLEV1BMDS\_num\_spikes detector AB

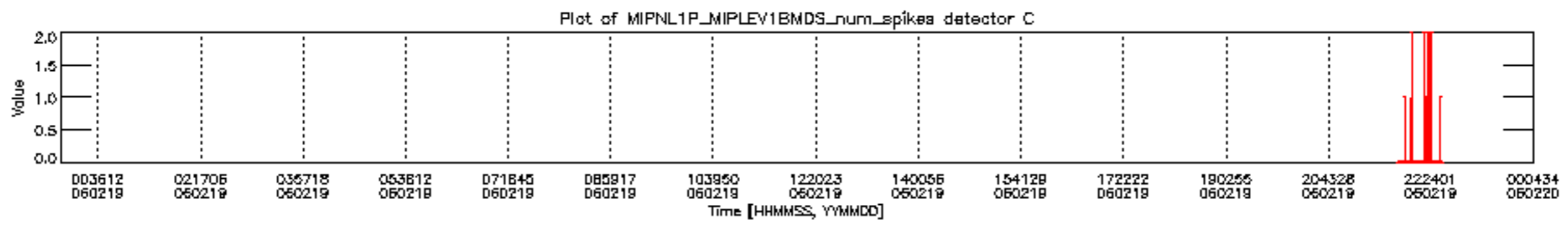




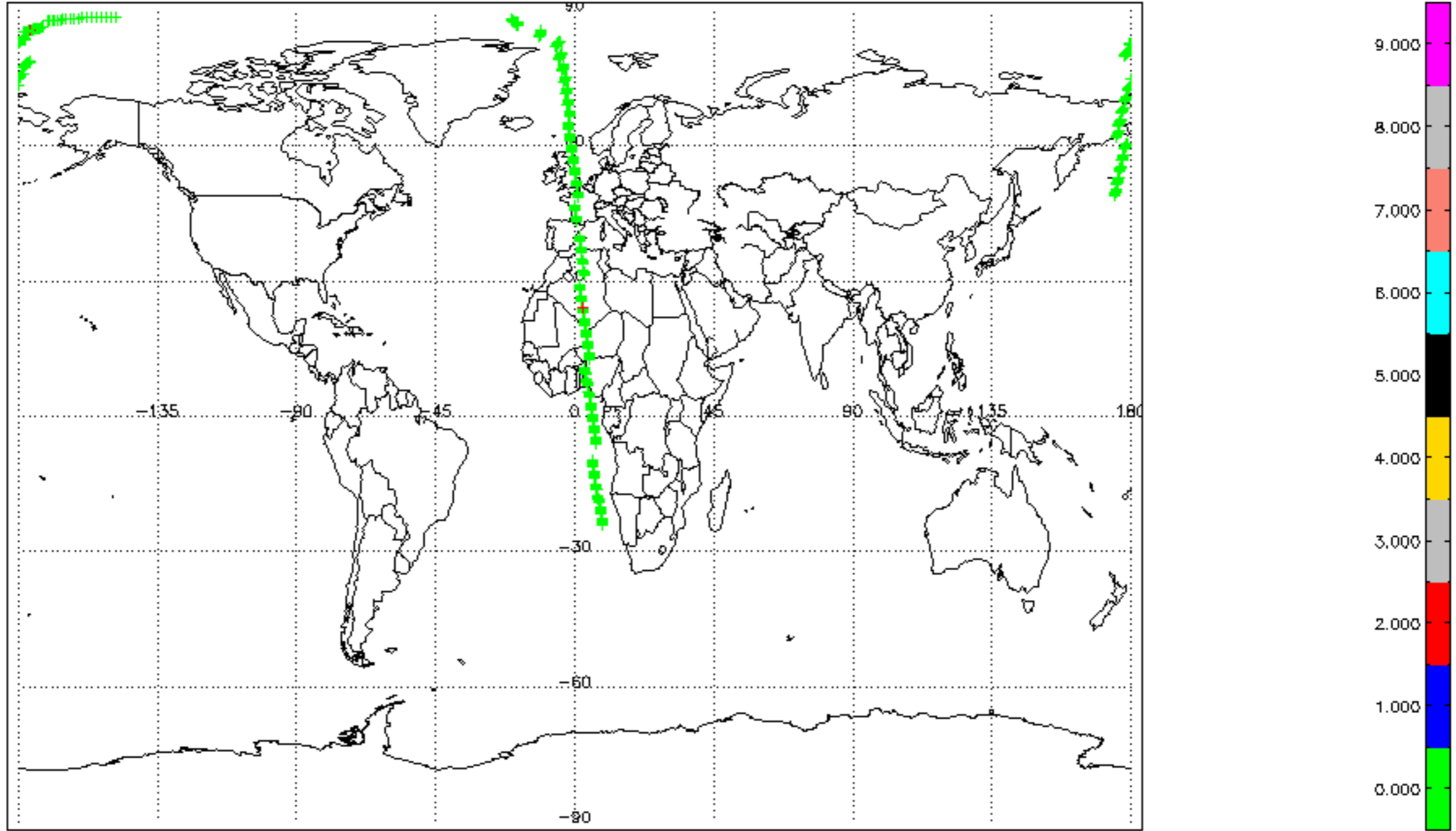


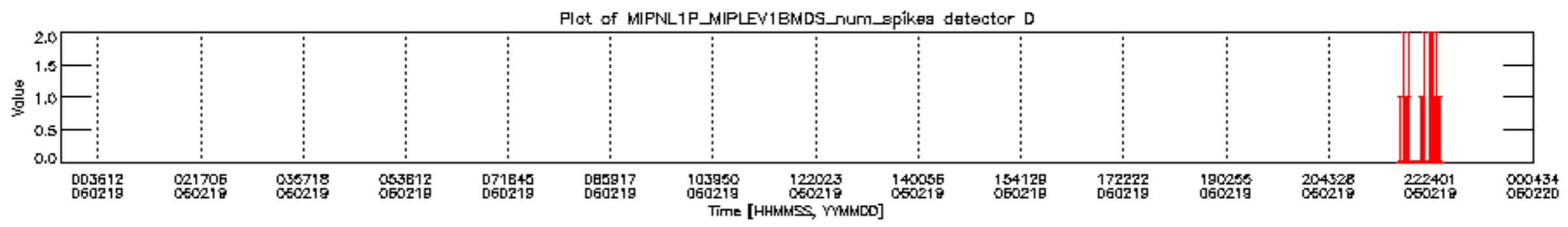
Geolocation plot of MIPNL1P\_MIPLEV1BMDS\_num\_spikes detector B



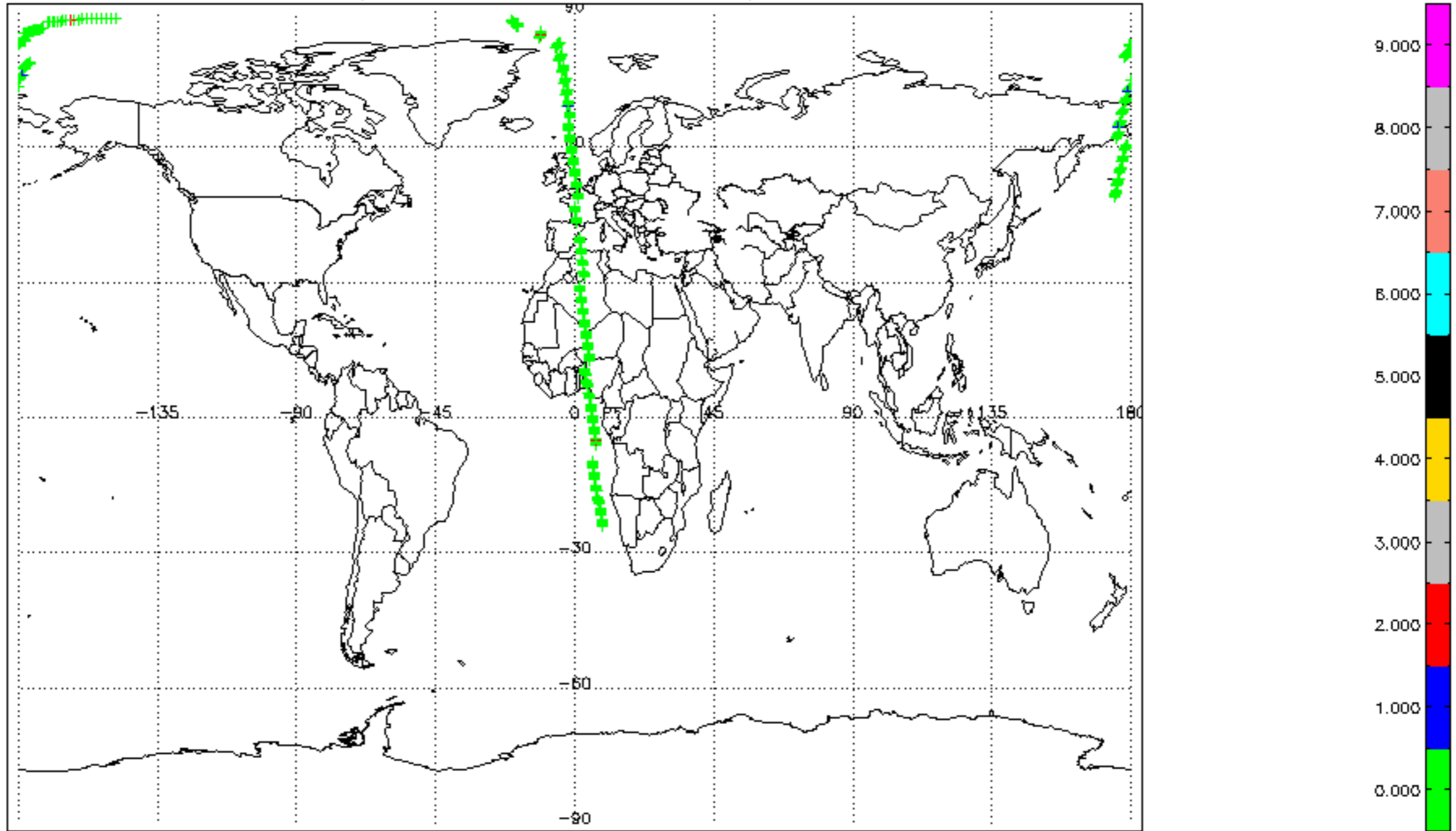


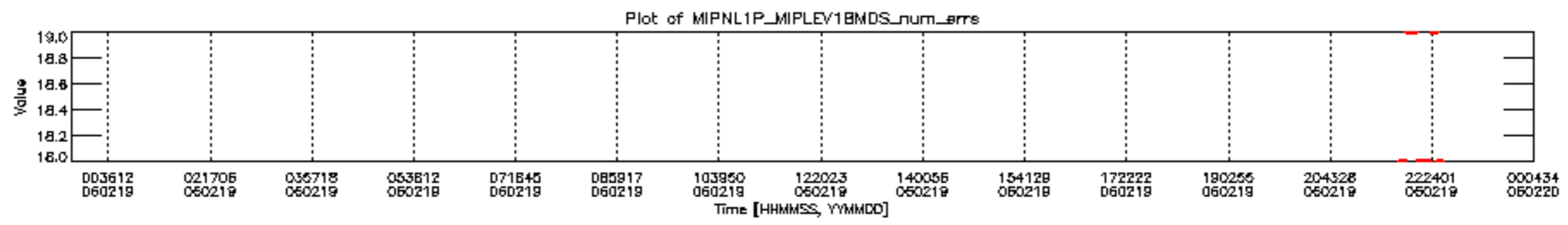
Geolocation plot of MIPNL1P\_MIPLEV1BMDS\_num\_spikes detector C



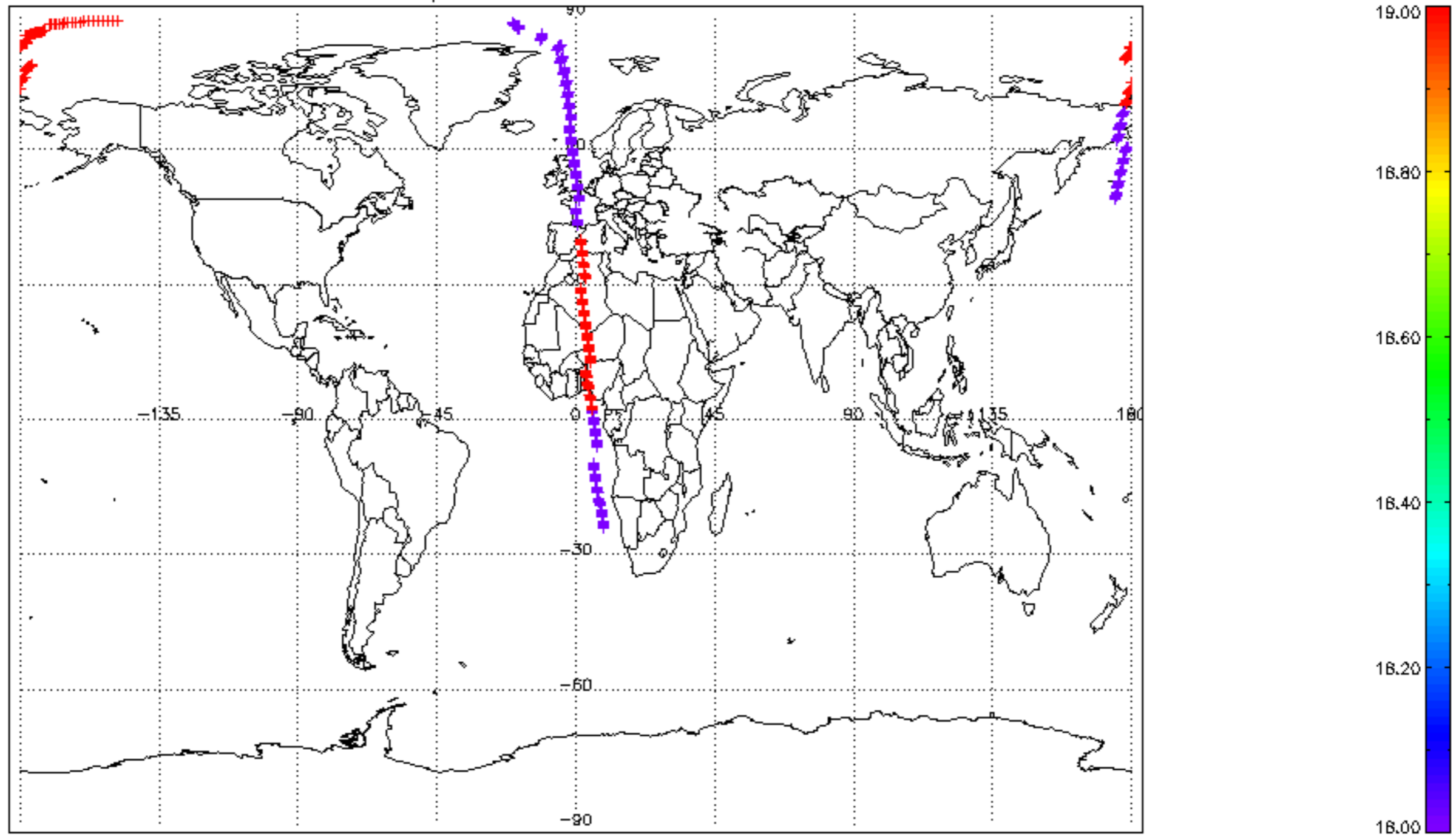


Geolocation plot of MIPNL1P\_MIPLEV1BMDS\_num\_spikes detector D



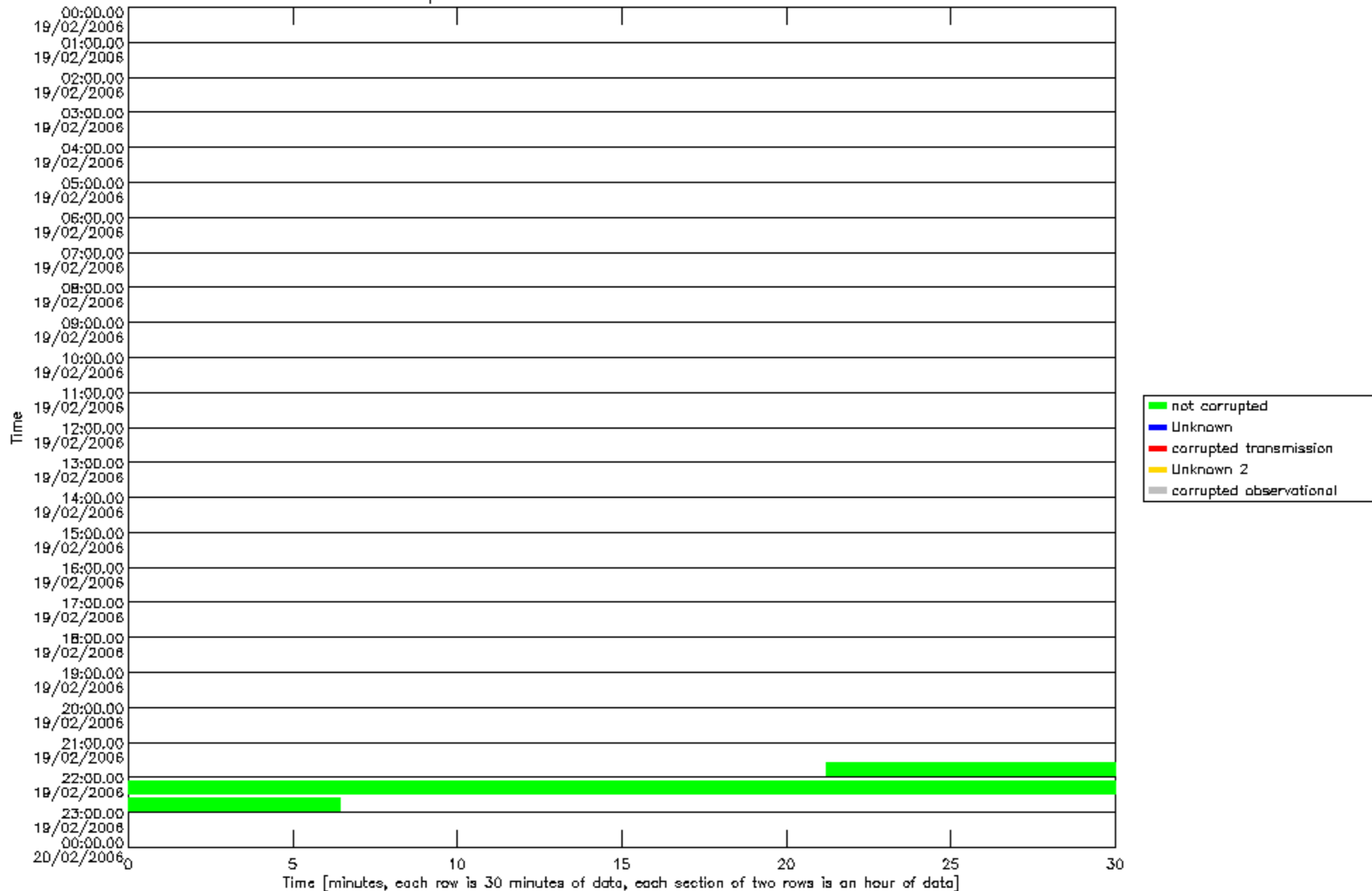


Geolocation plot of MIPNL1P\_MIPLEV1BMDS\_num\_errs

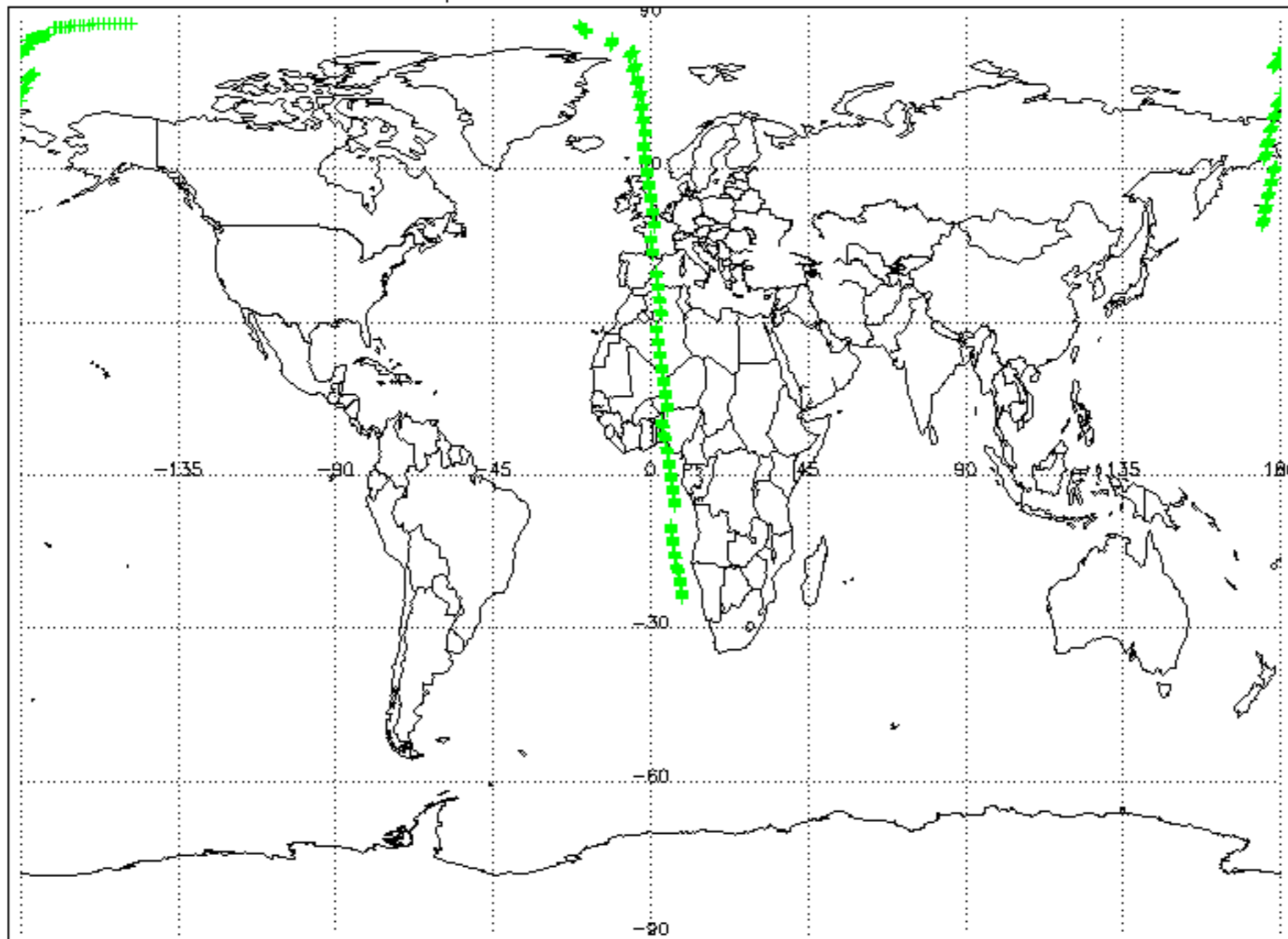




Bar plot of MIPNL1P\_MIPLEV1BMDS\_band\_val band A

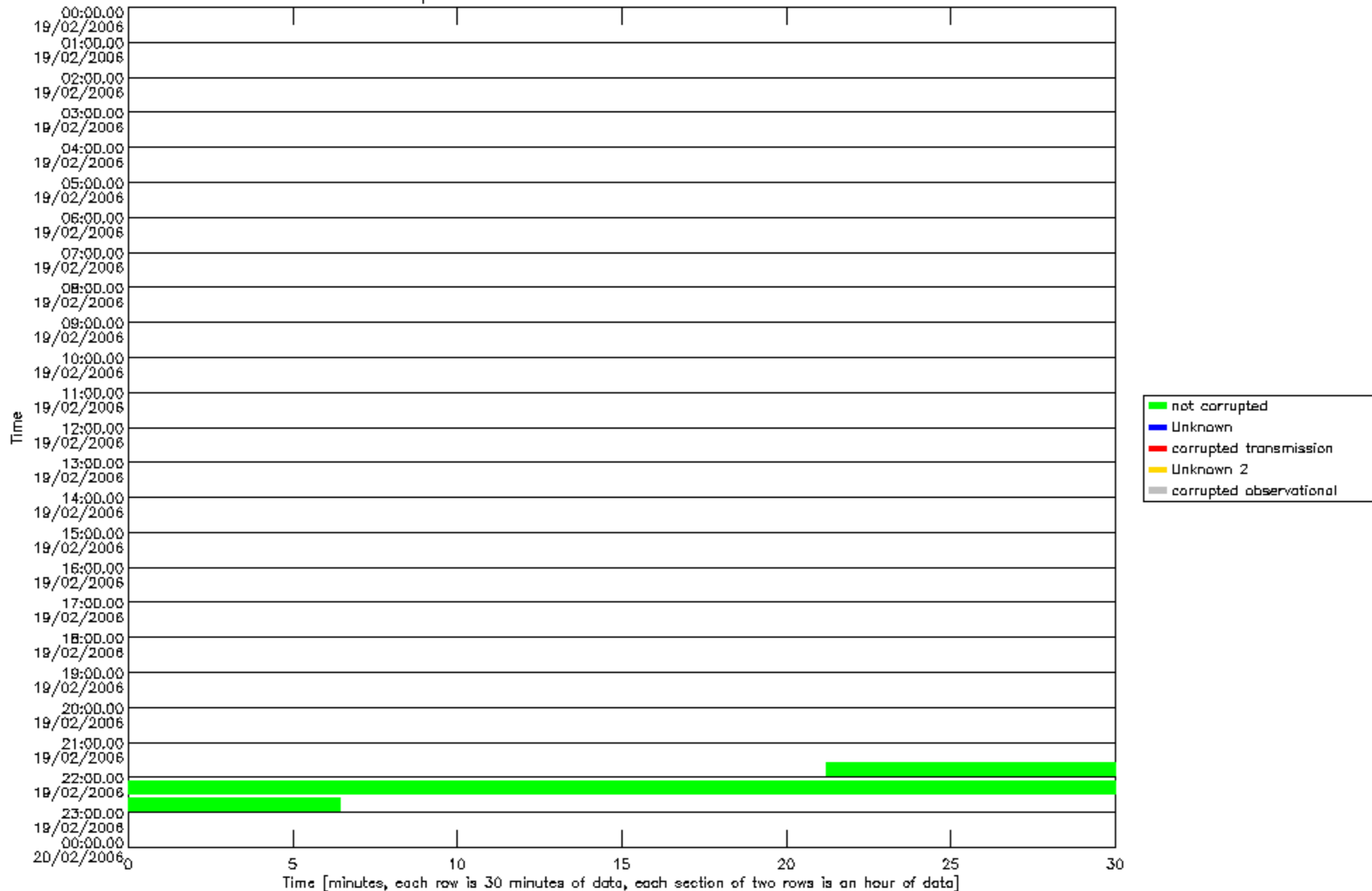


Geolocation plot of MIPNL1P\_MIPLEV1BMDS\_band\_val band A

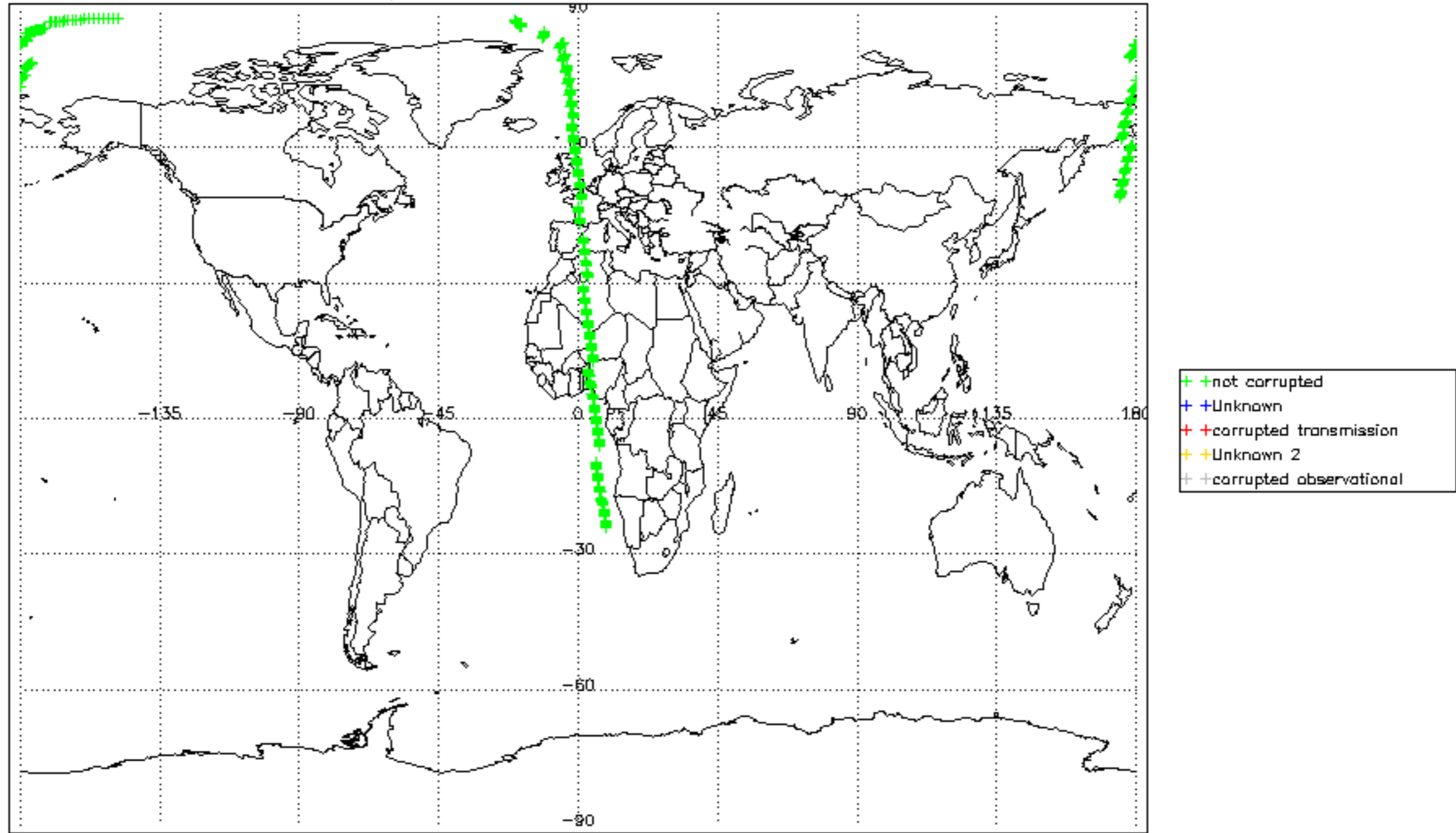


- + not corrupted
- + Unknown
- + corrupted transmission
- + Unknown 2
- + corrupted observational

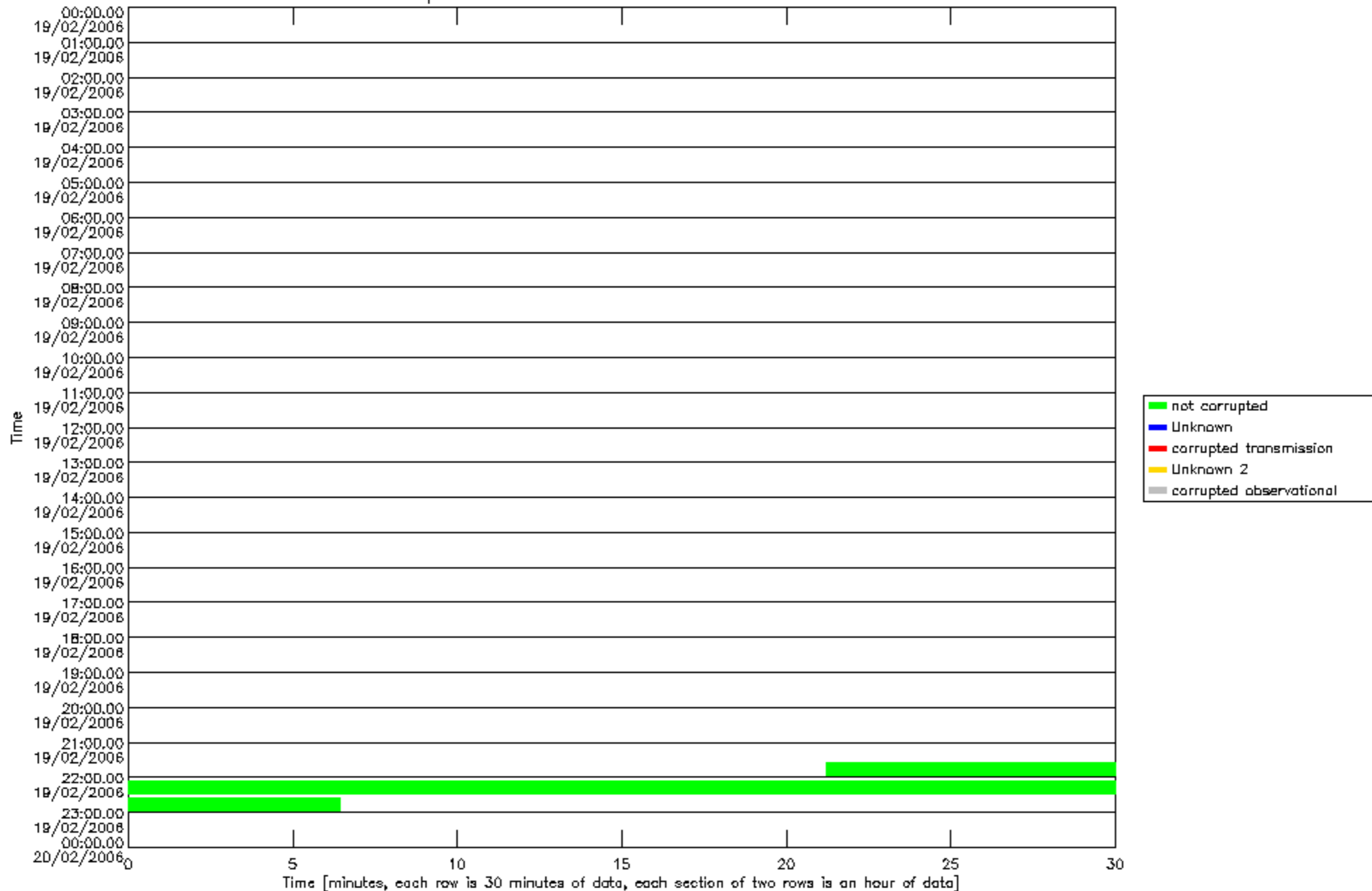
Bar plot of MIPNL1P\_MIPLEV1BMDS\_band\_val band AB



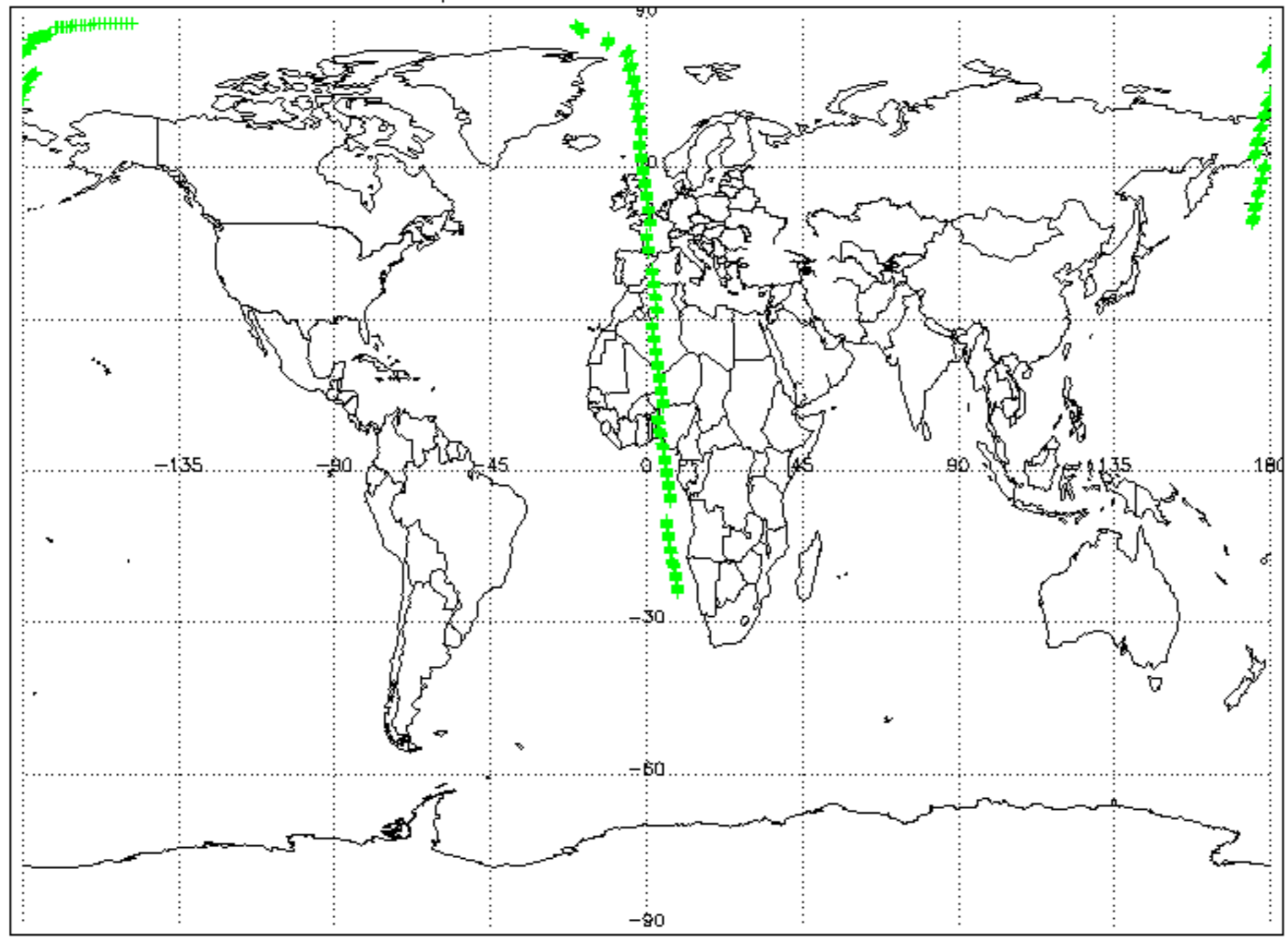
Geolocation plot of MIPNL1P\_MIPLEV1BMDS\_band\_val band AB



Bar plot of MIPNL1P\_MIPLEV1BMDS\_band\_val band B

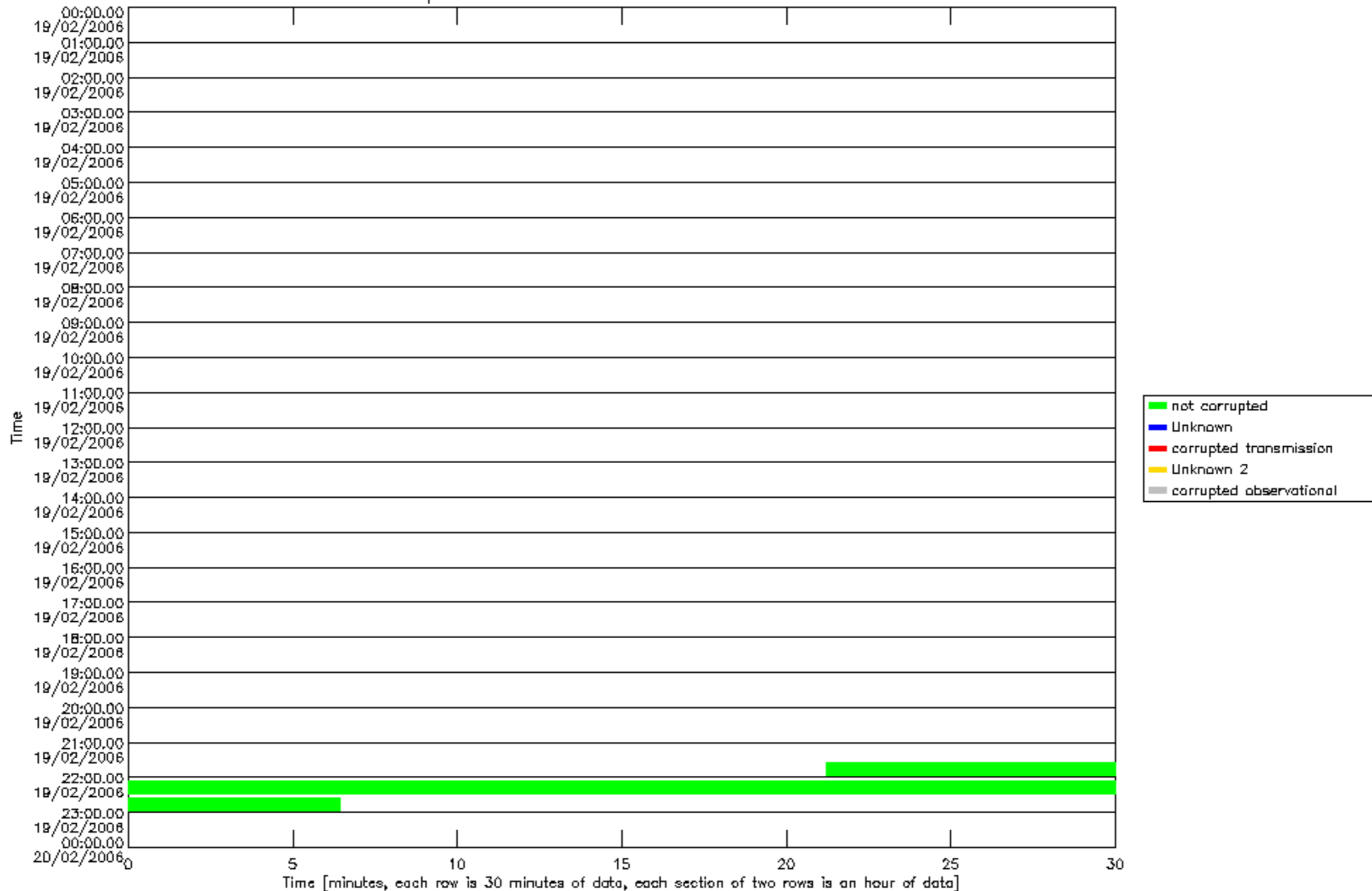


Geolocation plot of MIPNL1P\_MIPLEV1BMDS\_band\_val band B

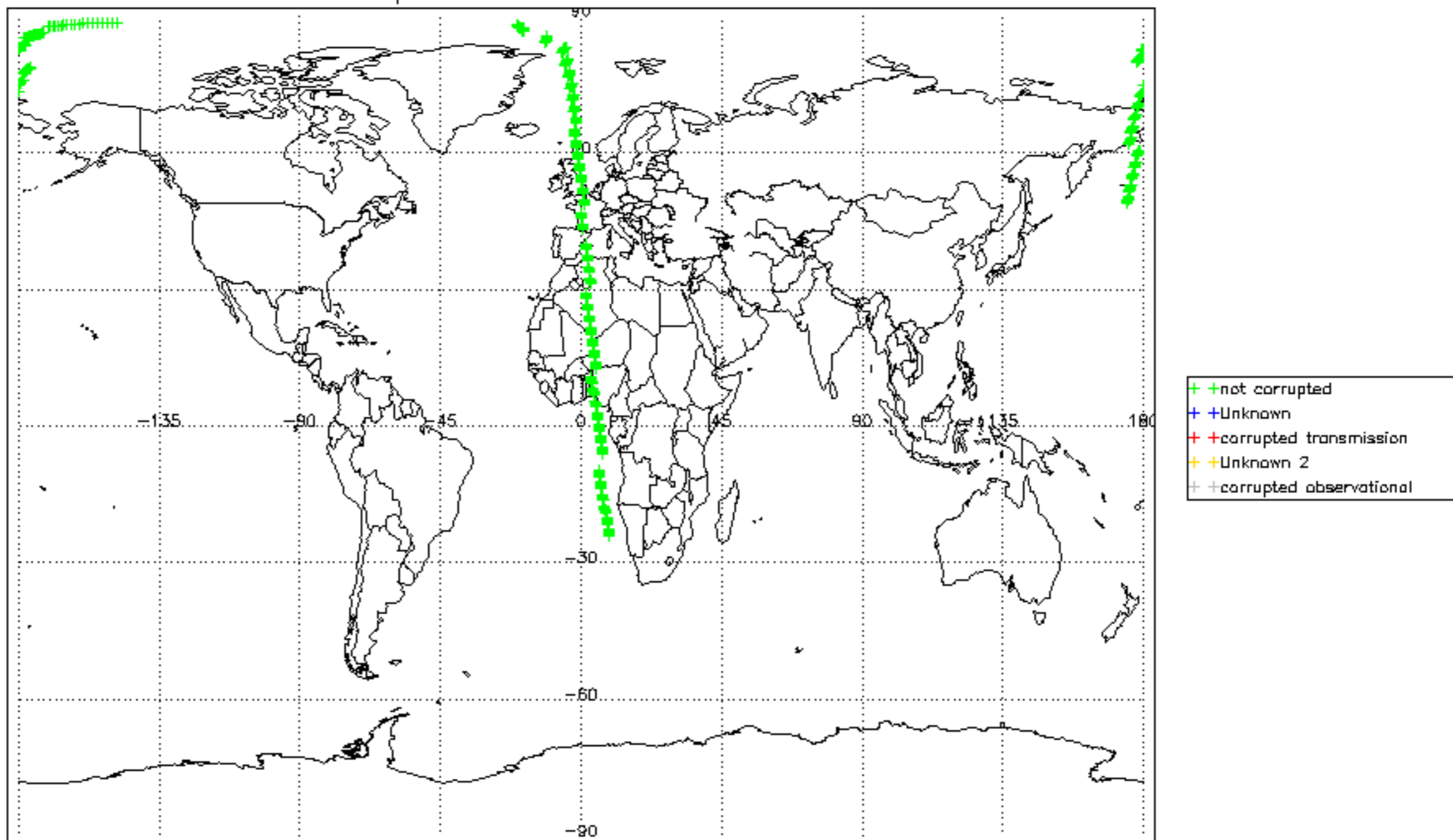


- + not corrupted
- + Unknown
- + corrupted transmission
- + Unknown 2
- + corrupted observational

Bar plot of MIPNL1P\_MIPLEV1BMDS\_band\_val band C

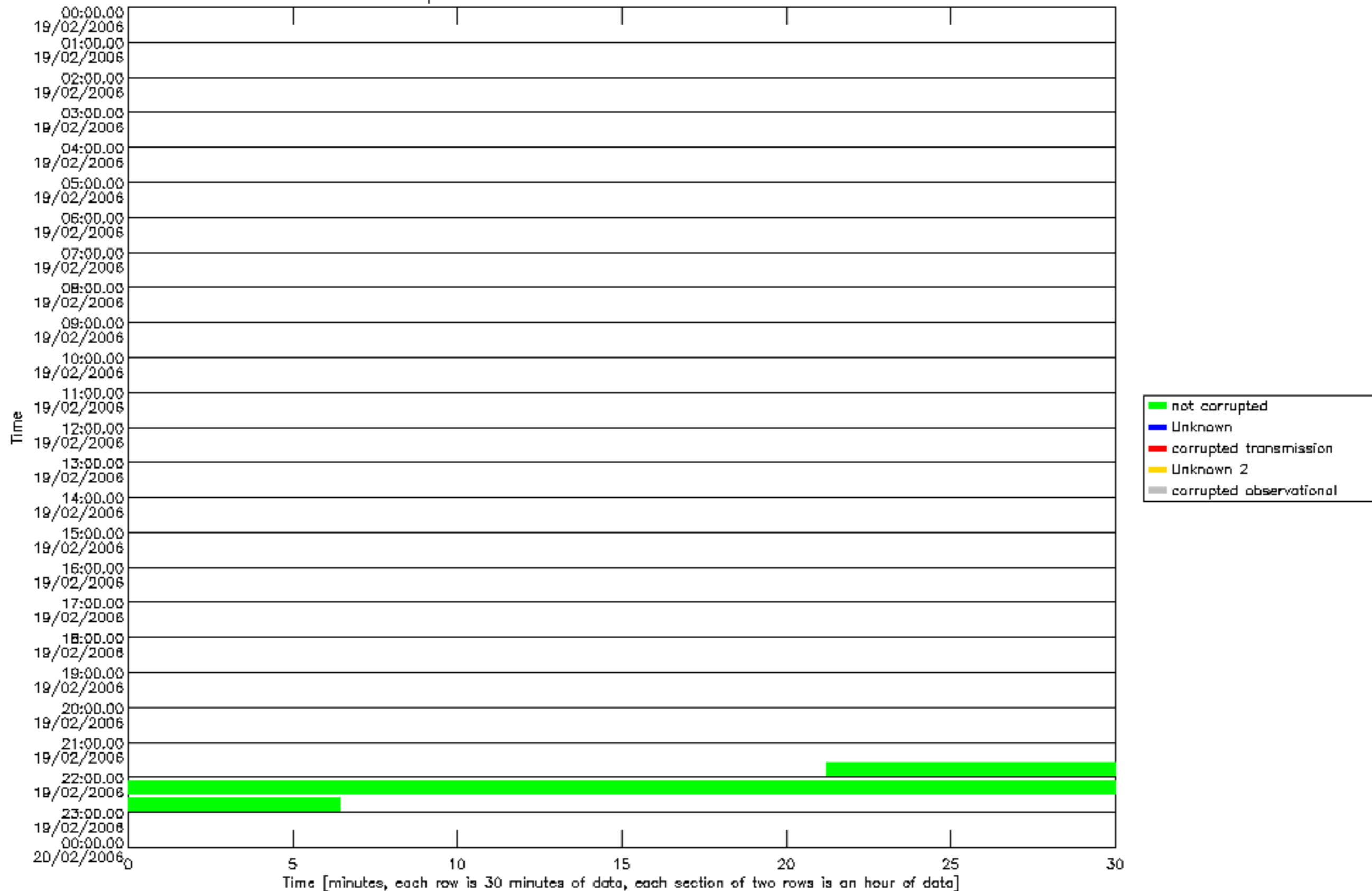


Geolocation plot of MIPNL1P\_MIPLEV1BMDS\_band\_val band C

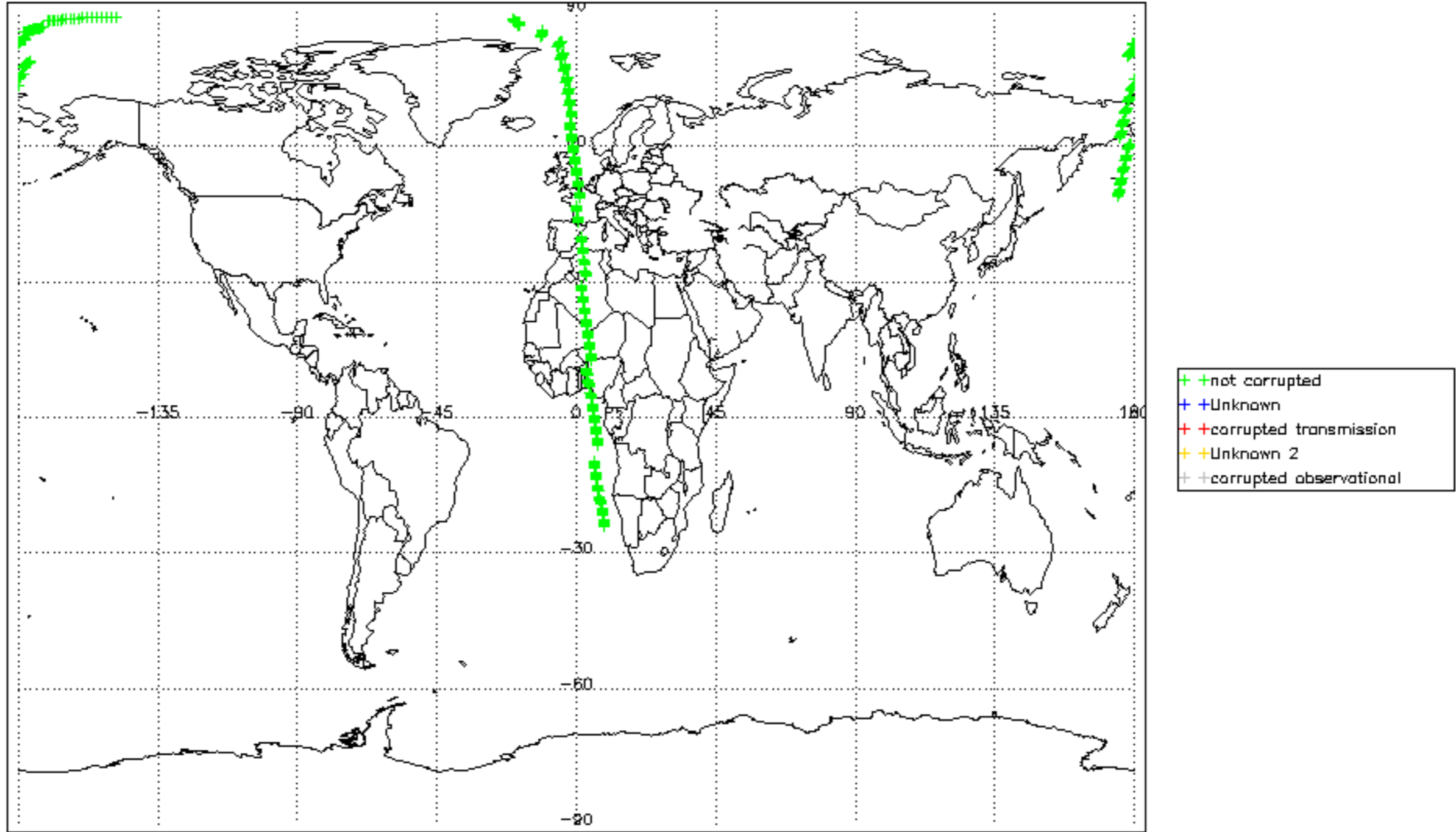




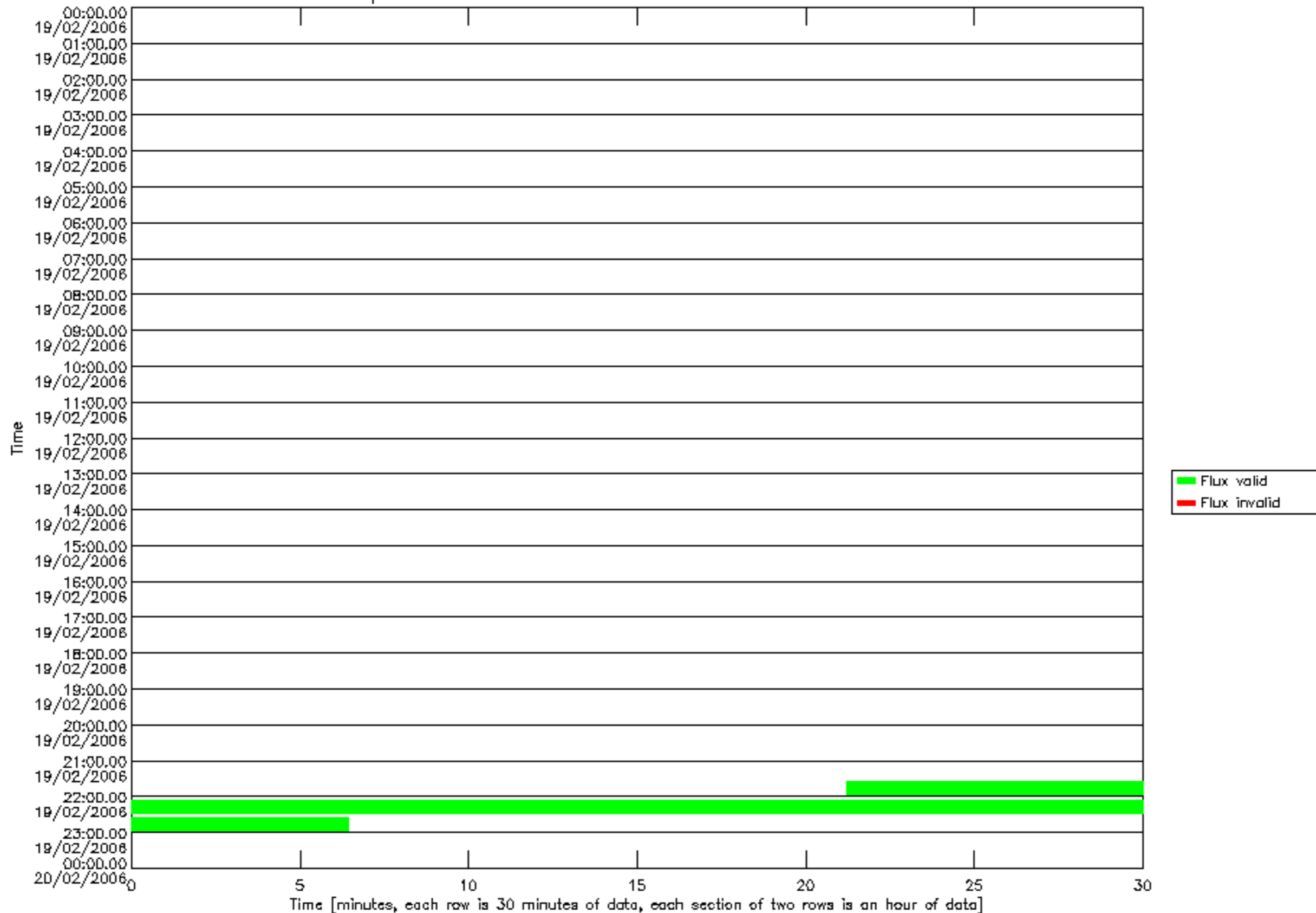
Bar plot of MIPNL1P\_MIPLEV1BMDS\_band\_val band D



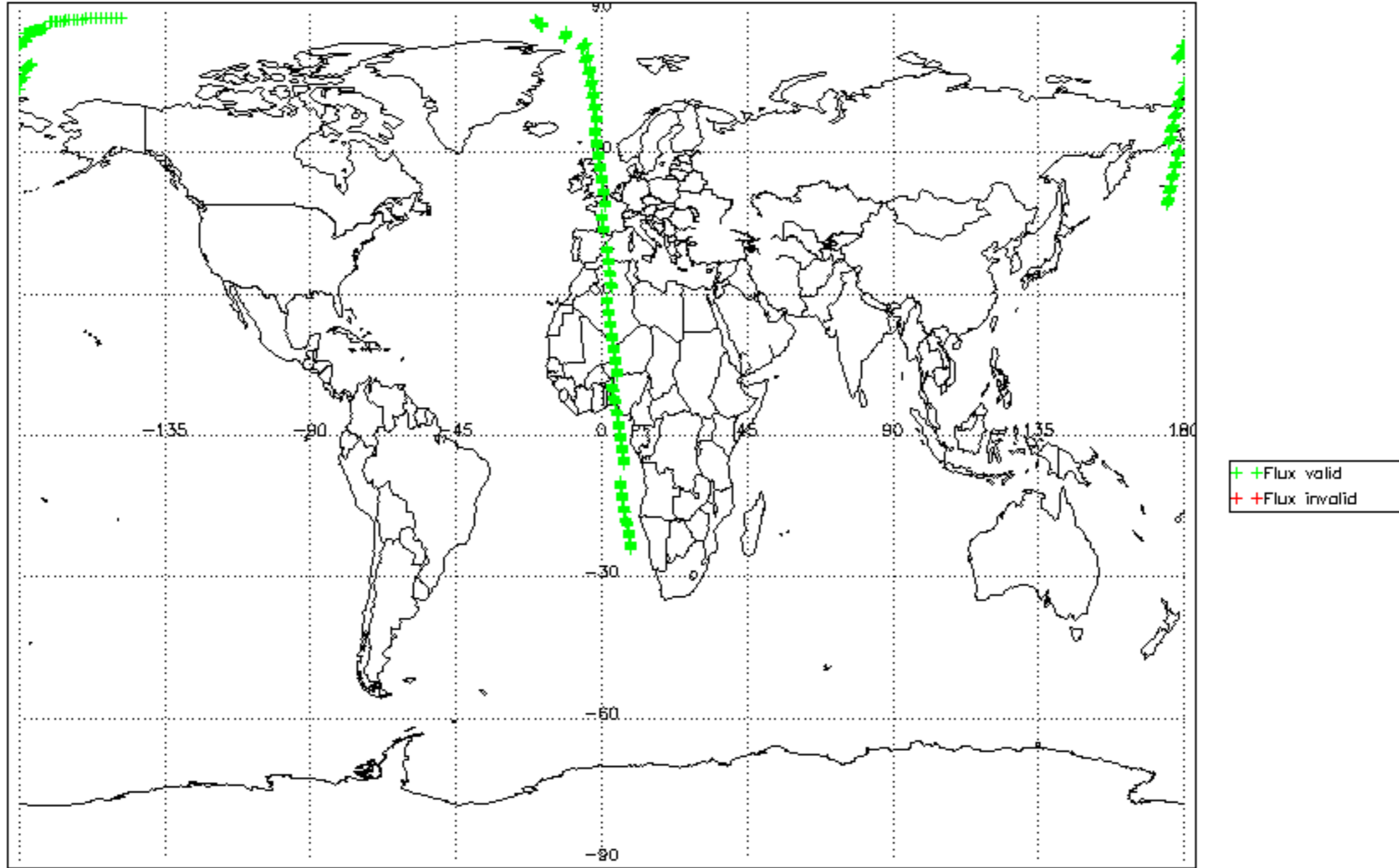
Geolocation plot of MIPNL1P\_MIPLEV1BMDS\_band\_val band D



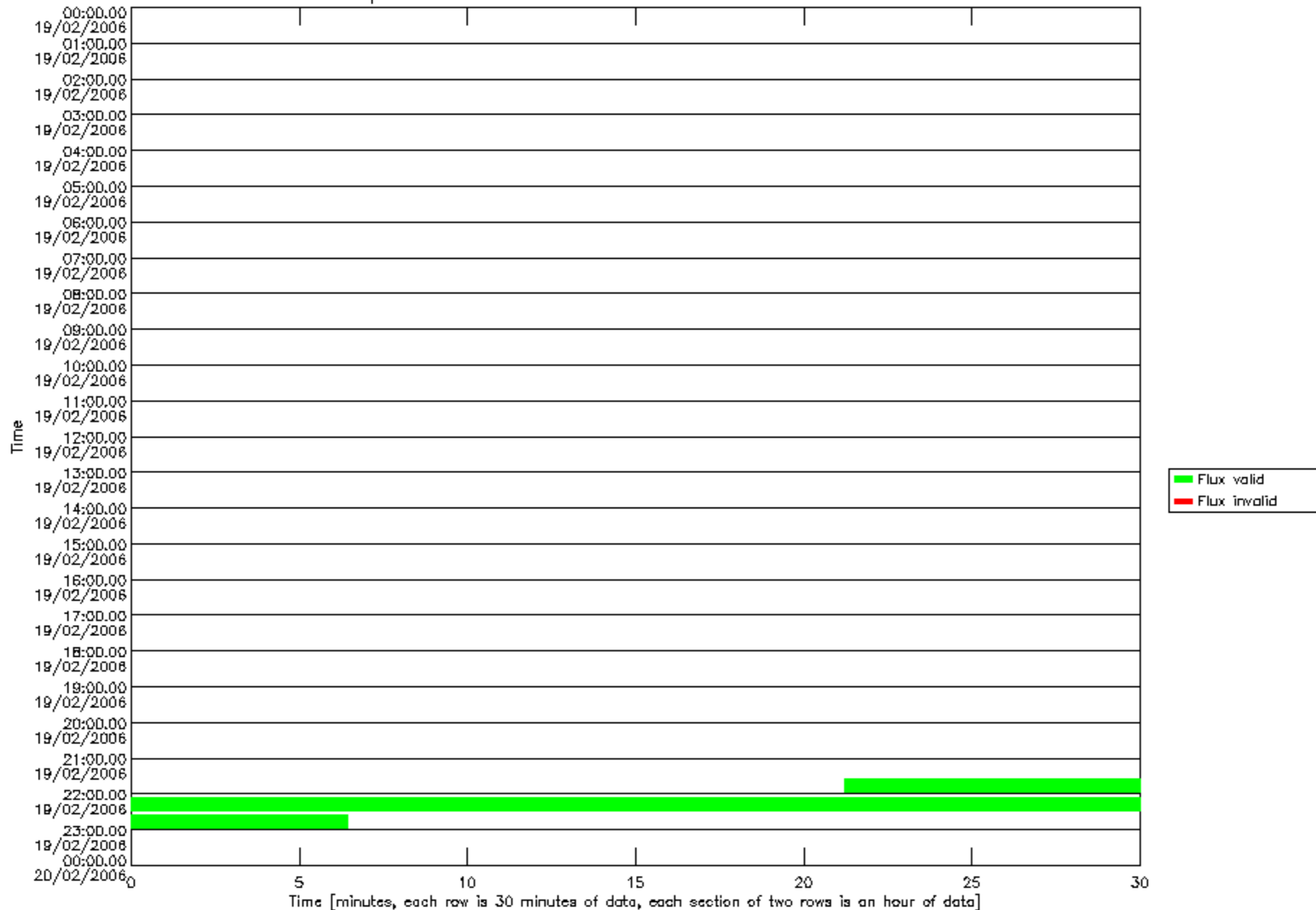
Bar plot of MIPNL1P\_MIPLEV1BMDS\_detect\_non\_lin\_flux detector A1



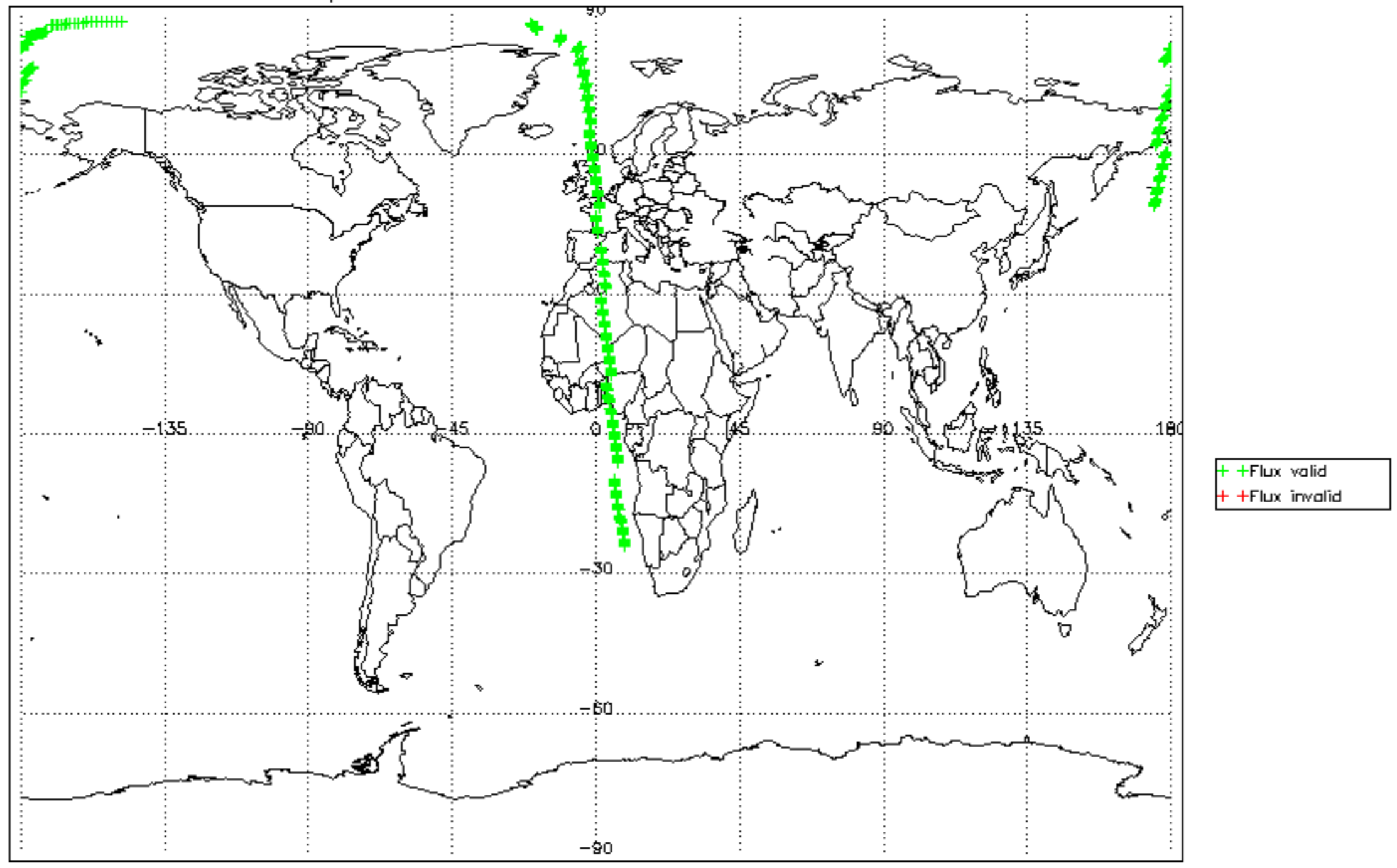
Geolocation plot of MIPNL1P\_MIPLEV1BMDS\_detect\_non\_in\_flux detector A1



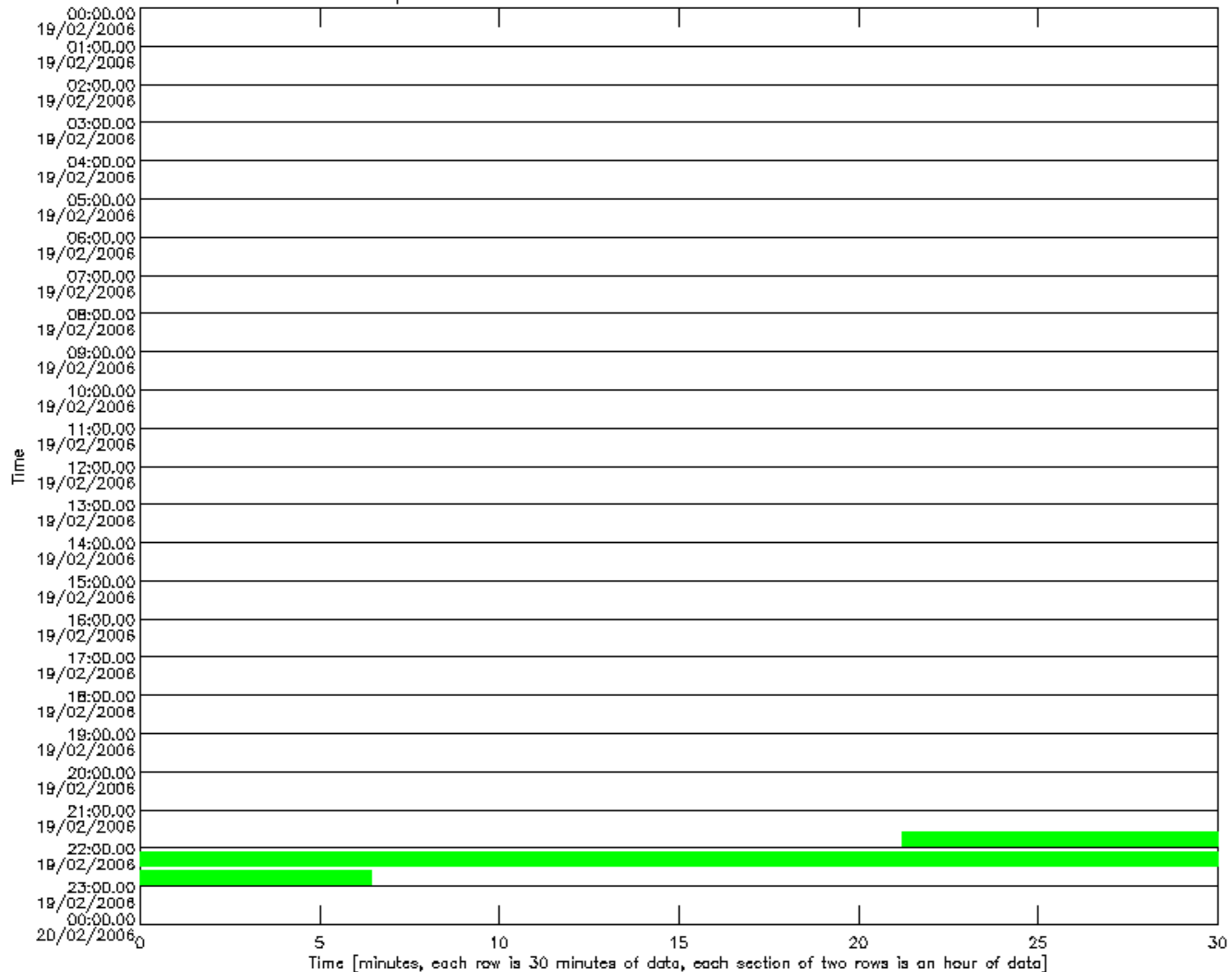
Bar plot of MIPNL1P\_MIPLEV1BMDS\_detect\_non\_lin\_flux detector A2



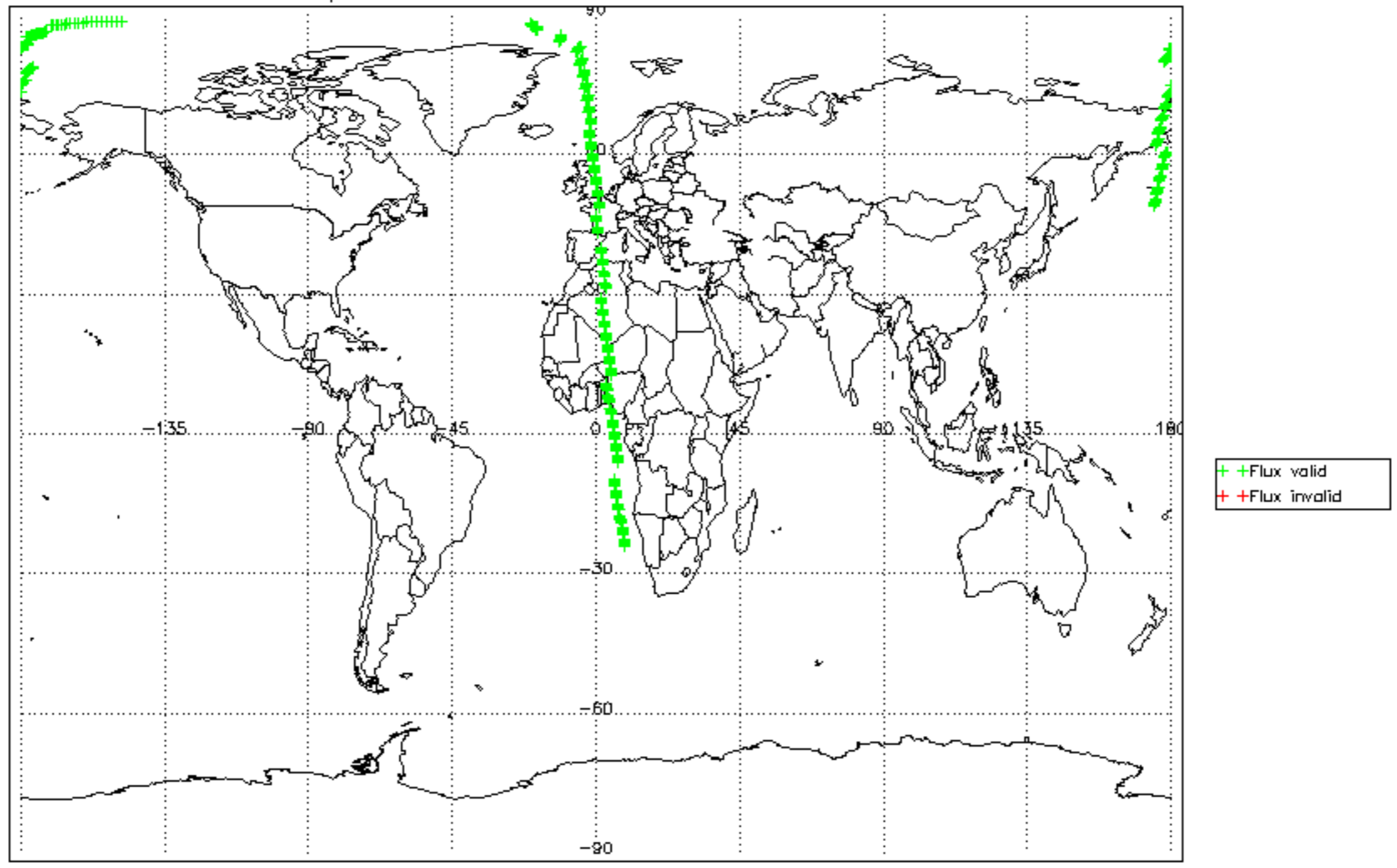
Geolocation plot of MIPNL1P\_MIPLEV1BMDS\_detect\_non\_jin\_flux detector A2



Bar plot of MIPNL1P\_MIPLEV1 BMDS\_detect\_non\_lin\_flux detector AB

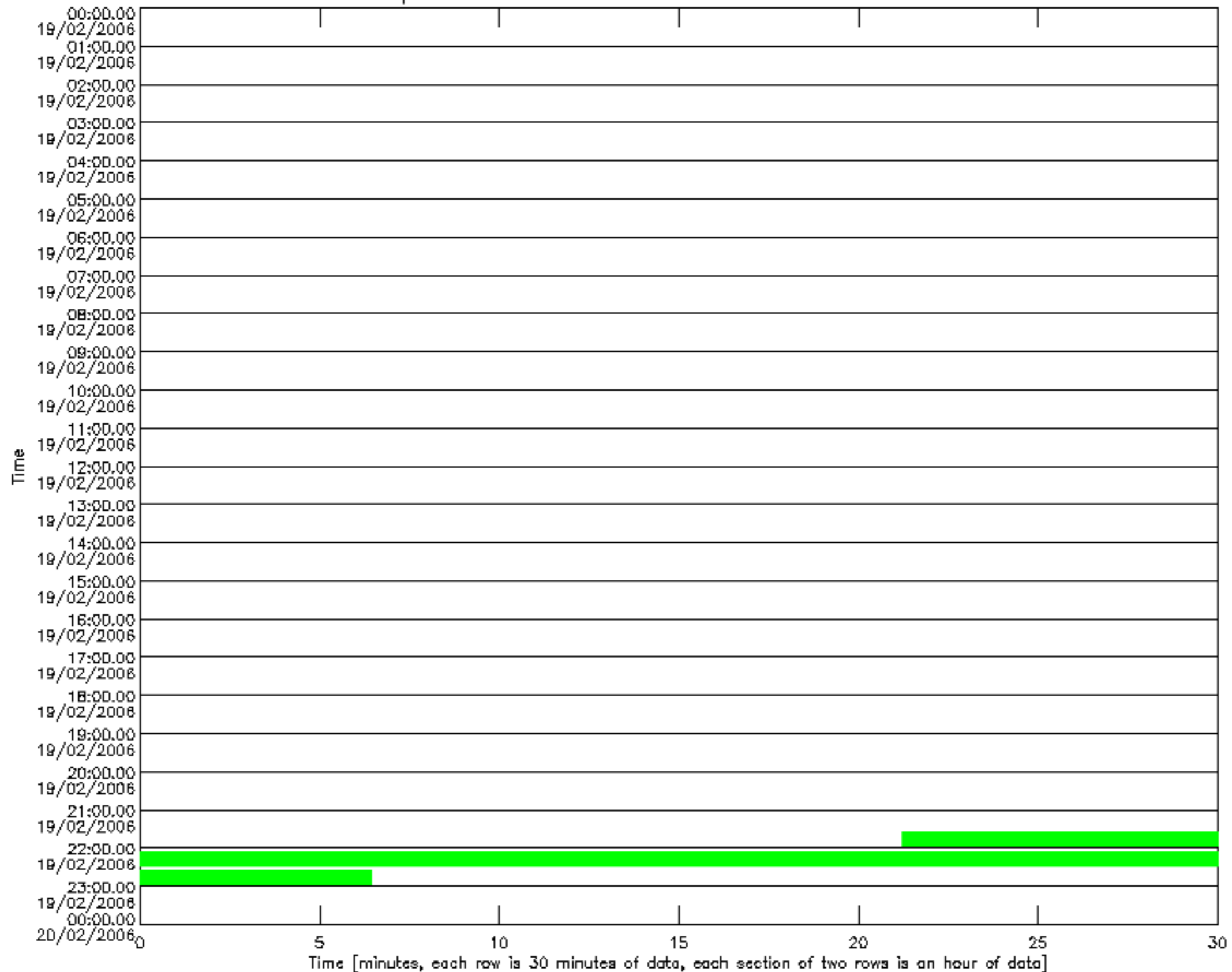


Geolocation plot of MIPNL1P\_MIPLEV1BMDS\_detect\_non\_lin\_flux detector AB

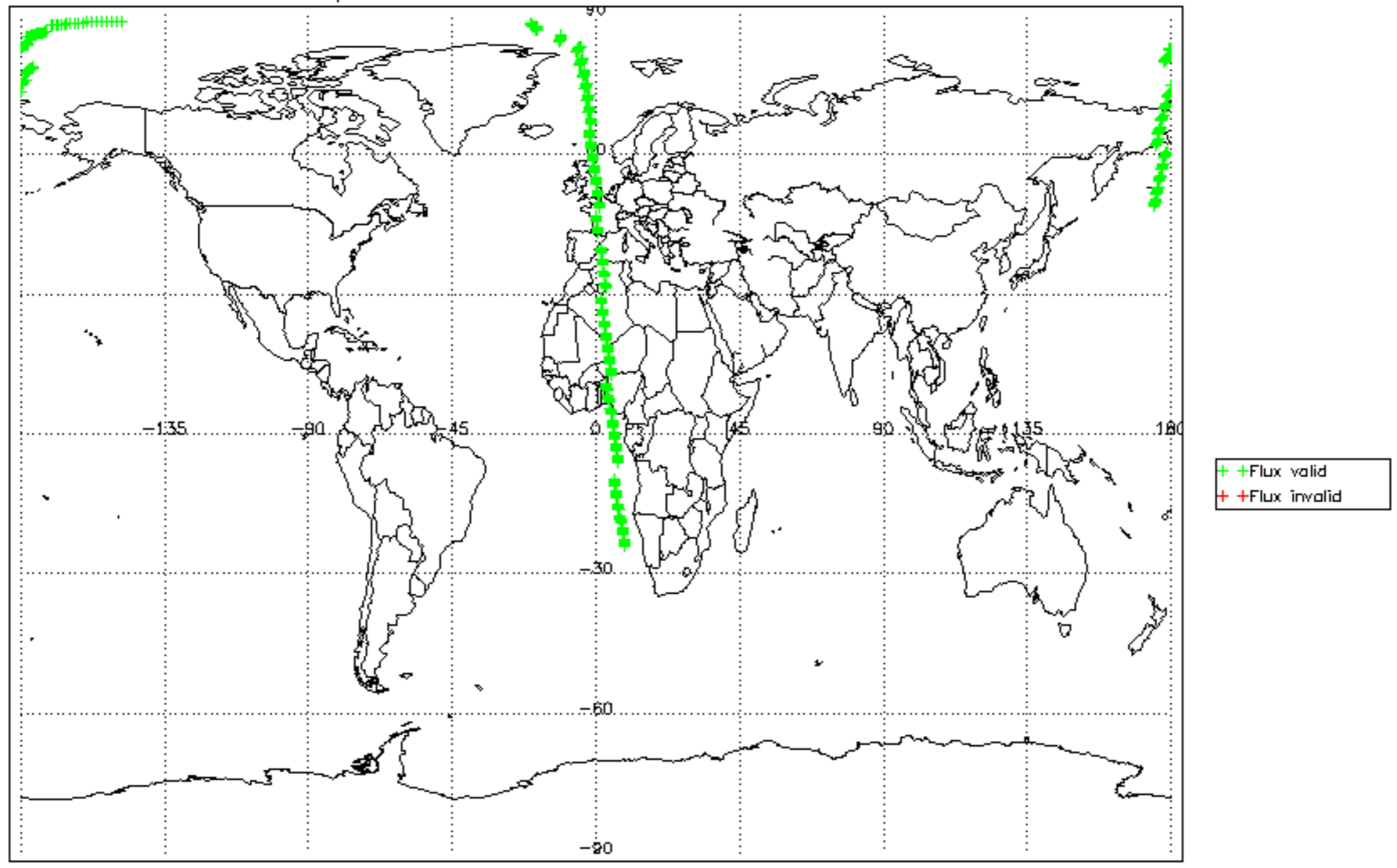




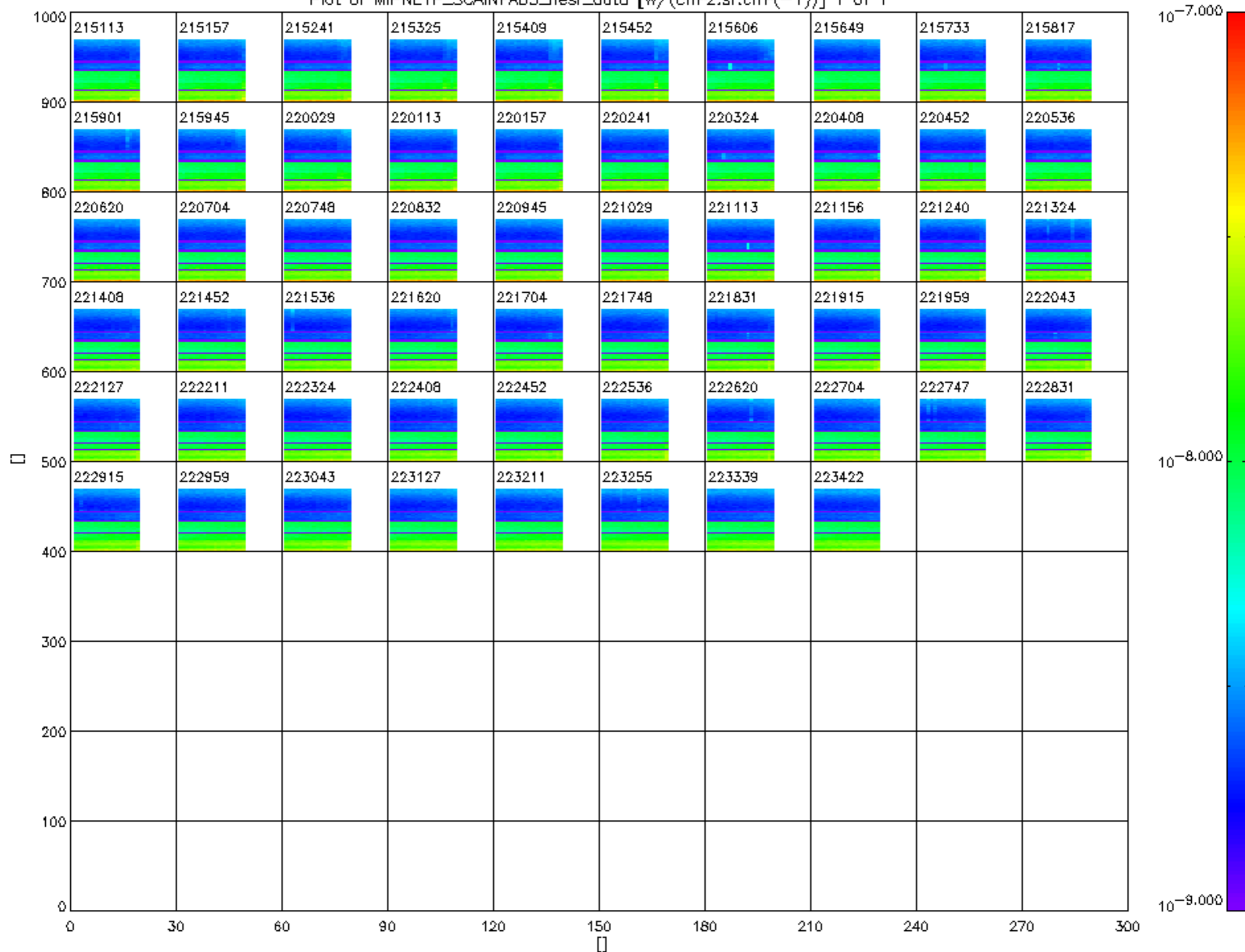
Bar plot of MIPNL1P\_MIPLEV1BMDS\_detect\_non\_in\_flux detector B



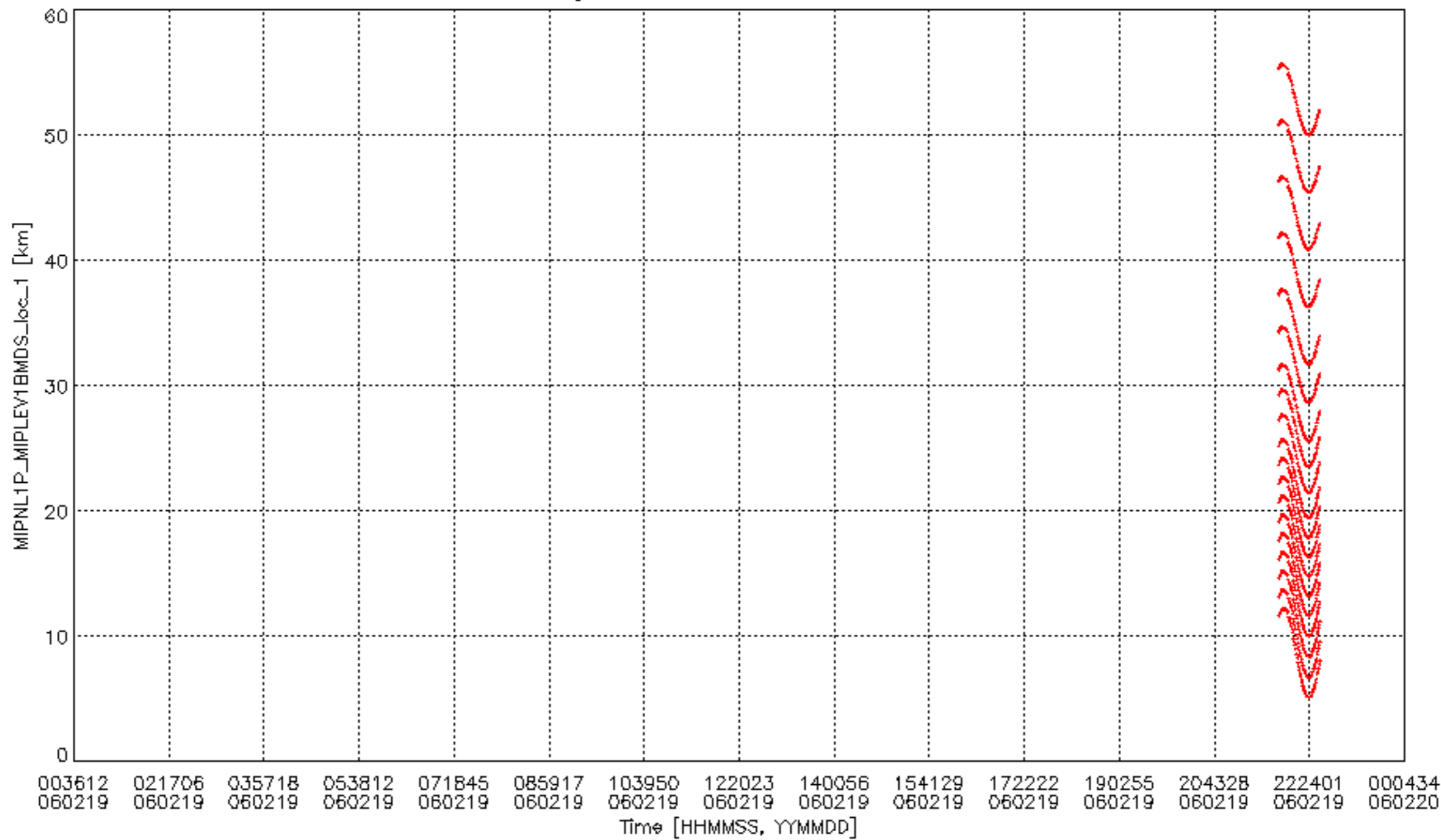
Geolocation plot of MIPNL1P\_MIPLEV1BMDS\_detect\_non\_in\_flux detector B



Plot of MIPNL1P\_SCAINFADS\_nesr\_data [W/(cm<sup>2</sup>.sr.cm<sup>-1</sup>)] 1 of 1



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).

