

PRELIMINARY REPORT OF 031221

ATTENTION: This report is automatically generated no comments are provided on data analysis

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1 - Introduction

This report is based on the analysis of wave mode level-1 cross spectra (ASA_WVS_1P) products, which are the available few hours after the acquisition, on the high rate browse (BP) products and on the Module Stepping (MS) product.

2 - Summary

2.1 - Instrument Unavailability

Preliminary report. Instrument unavailabilities are not yet reported

2.2 - Browse Visual Inspection

Preliminary report. Browse are not yet controlled

2.3 - Data Analysis

3 - Module Stepping Mode

-Preliminary report. MS data is not yet controlled

| Polarisation | Start Time |
|--------------|-----------------|
| V | 20031220 194234 |
| H | 20031220 194114 |

MSM in V/V polarisation

| Pre-launch Reference | DDS-B (2003-06-12) reference |
|----------------------|------------------------------|
| ☒ | ☒ |
| ☒ | ☒ |
| ☒ | ☒ |
| ☒ | ☒ |

MSM in H/H polarisation

| Pre-launch Reference | DDS-B (2003-06-12) reference |
|----------------------|------------------------------|
| ☒ | ☒ |
| ☒ | ☒ |
| ☒ | ☒ |
| ☒ | ☒ |

4 - Internal calibration Results

-Preliminary report. The data is not yet controlled

4.1 - Daily statistics

| row | stat | AveP1 | AveP2 | AveP3 |
|-----|-------|------------|-----------|------------|
| 3 | mean | -3.71962 | -22.5597 | -8.16610 |
| | stdev | 0.00781844 | 0.0664722 | 0.00354606 |
| 24 | mean | -5.06464 | -21.1872 | -8.16610 |
| | stdev | 0.0139303 | 0.0626312 | 0.00354606 |



4.2 - Cyclic statistics

| row | stat | AveP1 | AveP2 | AveP3 |
|-----|-------|-----------|-----------|------------|
| 3 | mean | -3.76714 | -22.5608 | -8.14871 |
| | stdev | 0.0799248 | 0.0722453 | 0.00527604 |
| 24 | mean | -5.09509 | -21.2199 | -8.14871 |
| | stdev | 0.0137763 | 0.0657037 | 0.00527604 |



4.3 - cal pulses monitoring (all rows)



5 - RAW data statistics

-Preliminary report. The data is not yet controlled

5.1 - Input mean I/Q

| channel | stat | DSS-B |
|---------|-------|-------------|
| MEAN I | mean | 0.000340887 |
| | stdev | 1.13585e-05 |
| MEAN Q | mean | 0.000202881 |
| | stdev | 1.13678e-05 |



5.2 - Input stdev I/Q

| channel | stat | DSS-B |
|---------|-------|------------|
| STDEV I | mean | 0.116091 |
| | stdev | 0.00152368 |
| STDEV Q | mean | 0.116339 |
| | stdev | 0.00153912 |



5.3 - Gain imbalance I/Q



6 - Wave Doppler Analysis

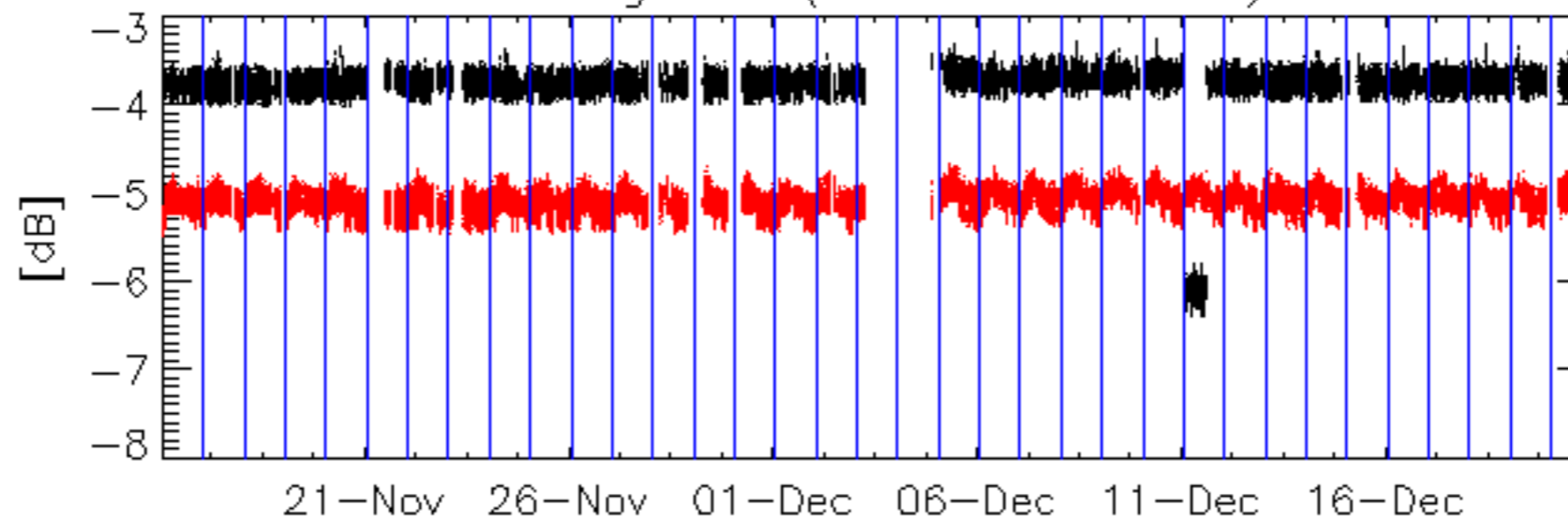
Preliminary report. The data is not yet controlled

6.1 - Doppler evolution versus ANX

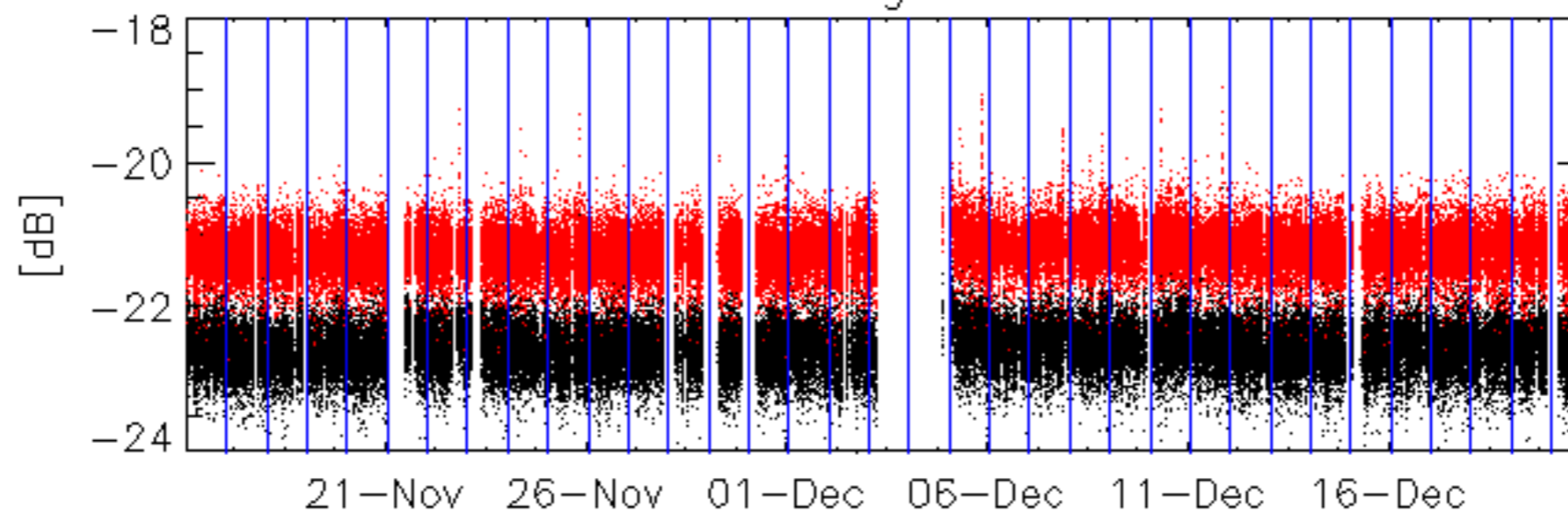
Evolution Doppler error versus ANX



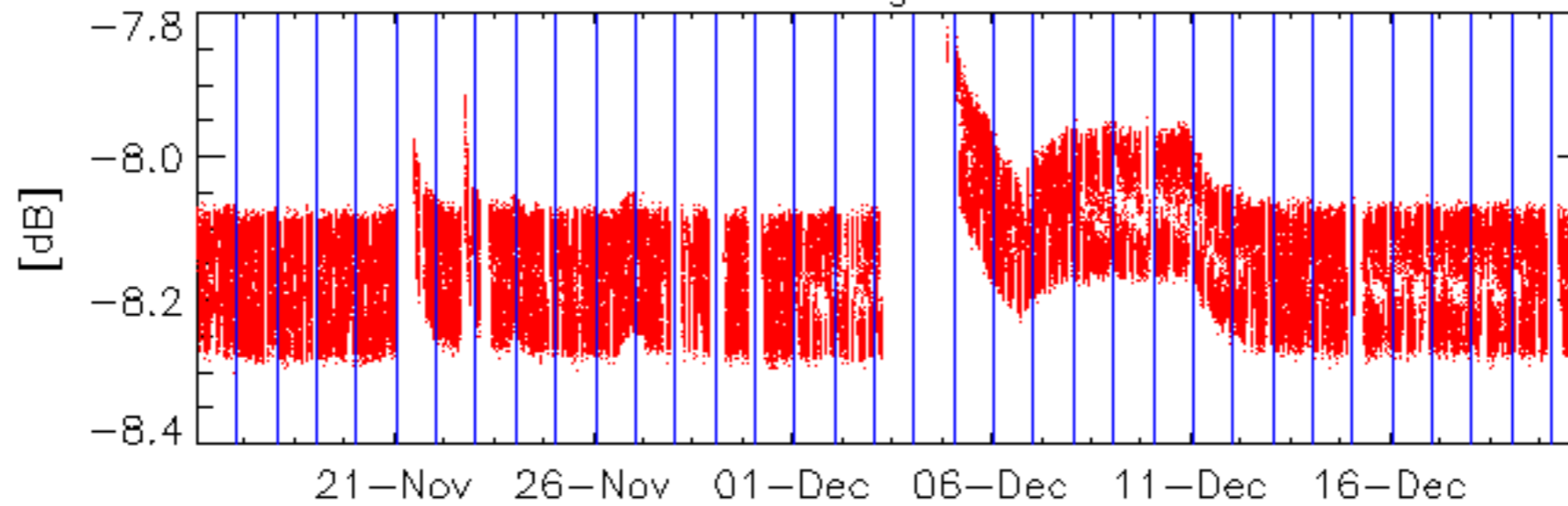
Average P1 (row 3 & row 24)

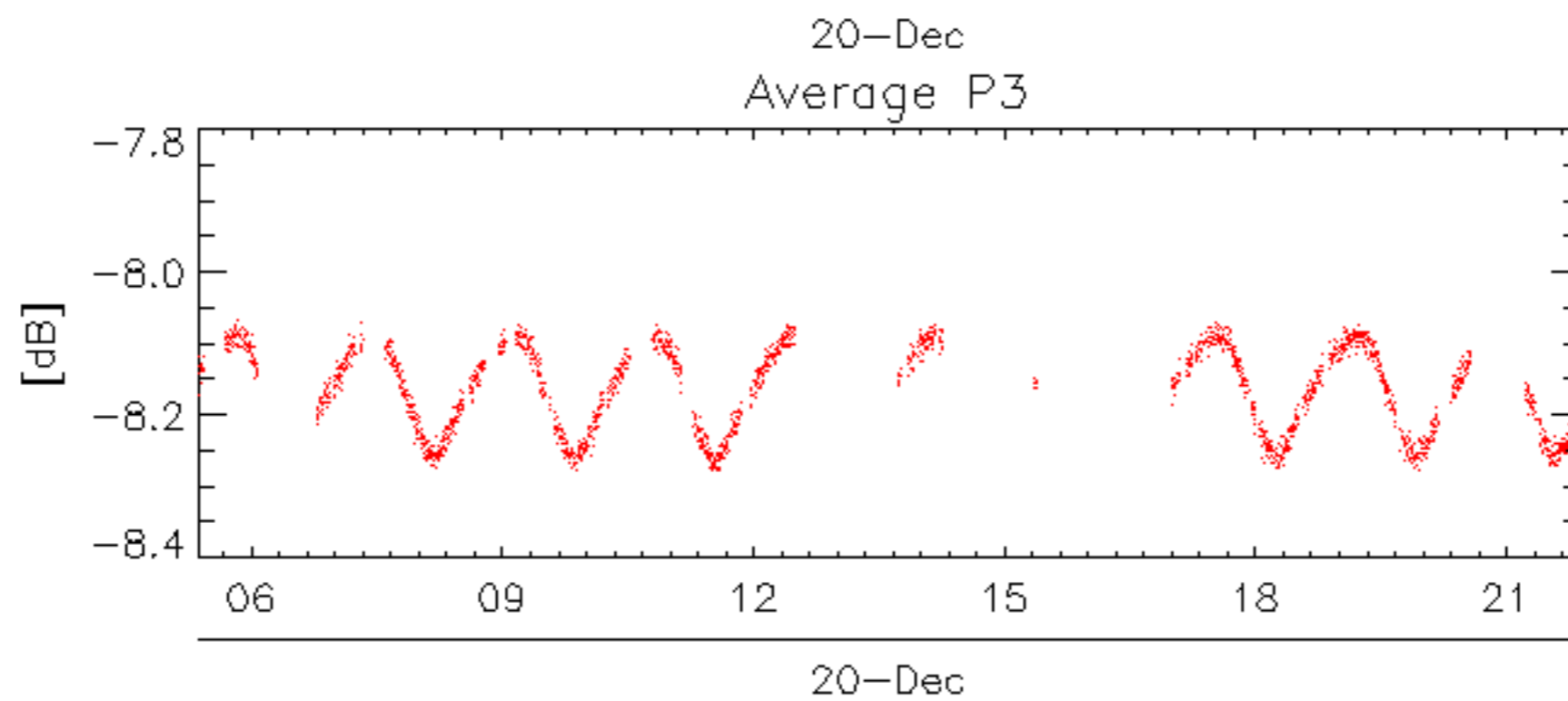
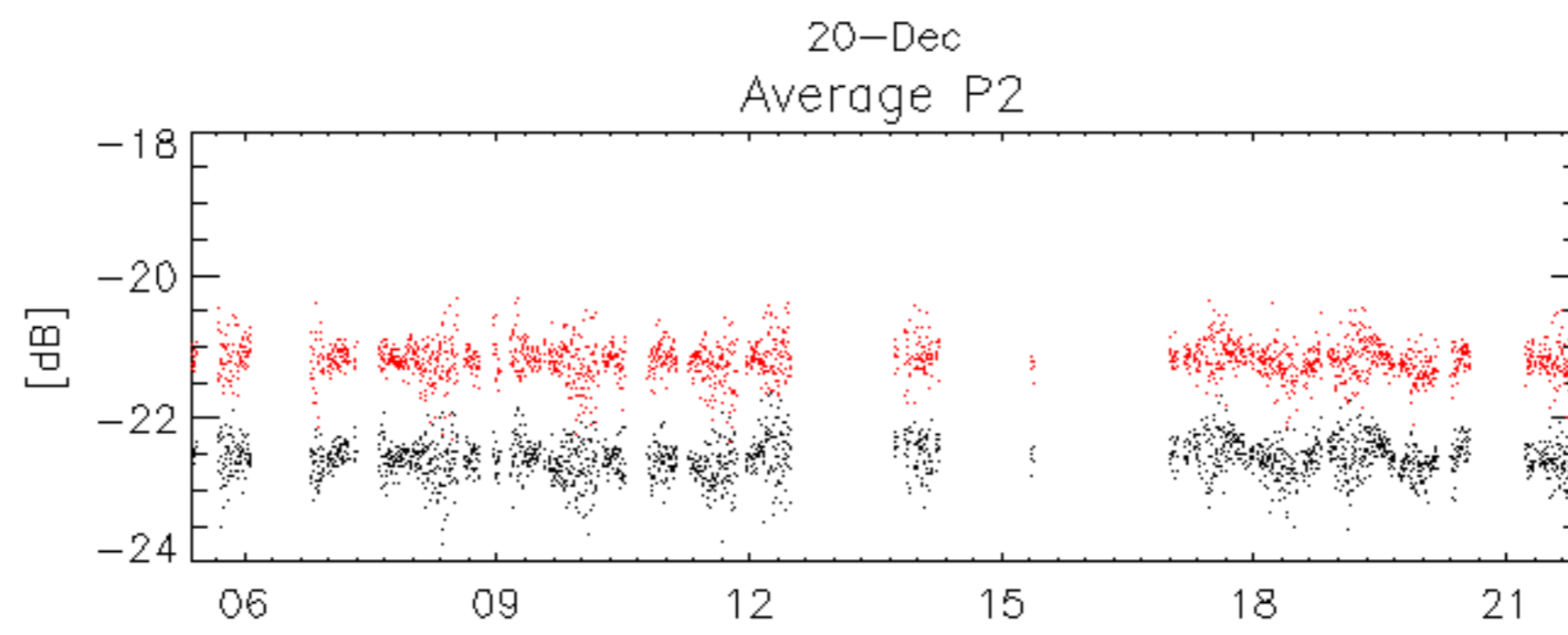
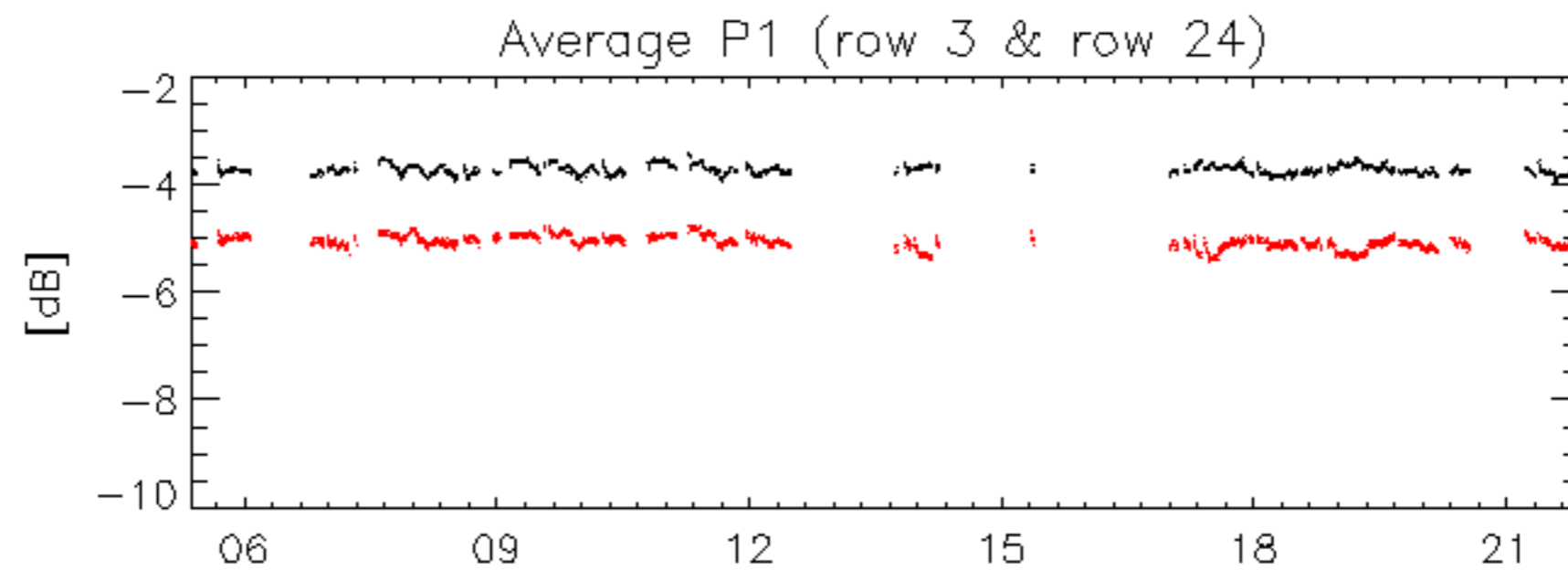


Average P2



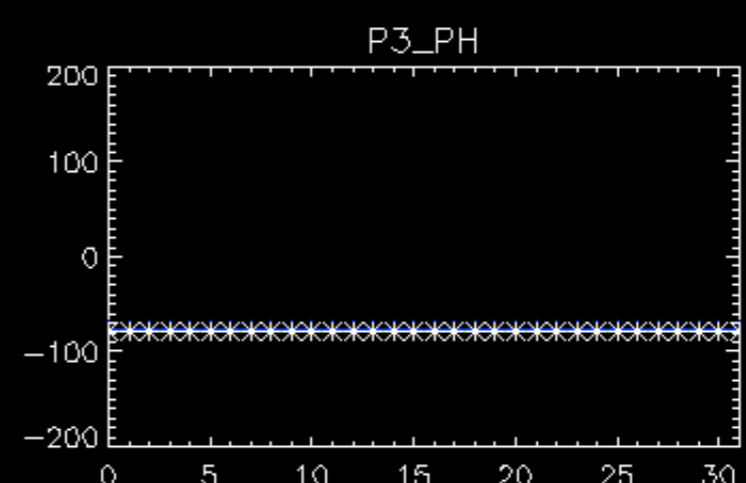
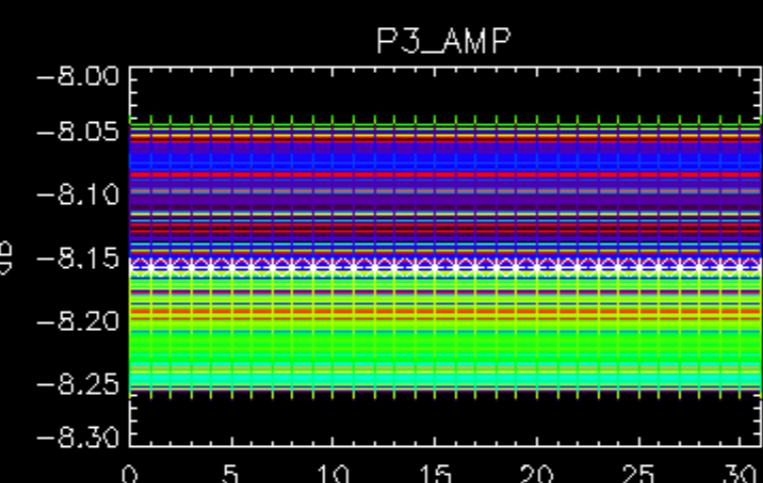
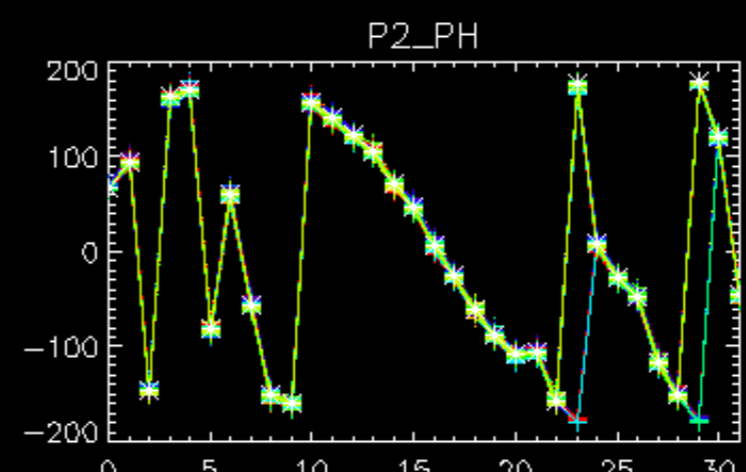
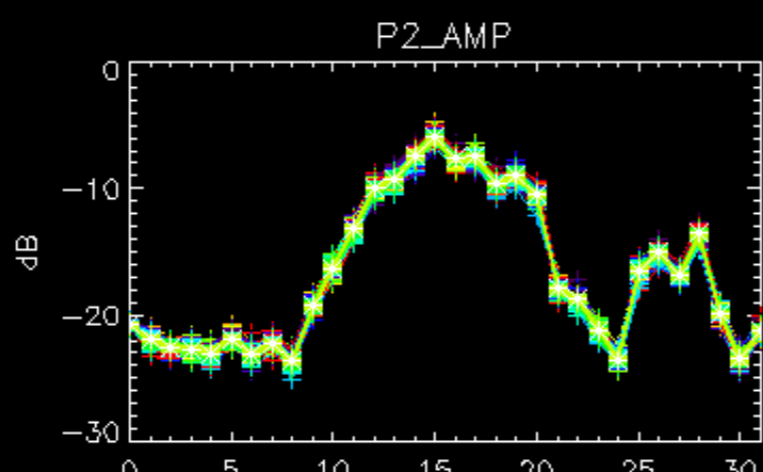
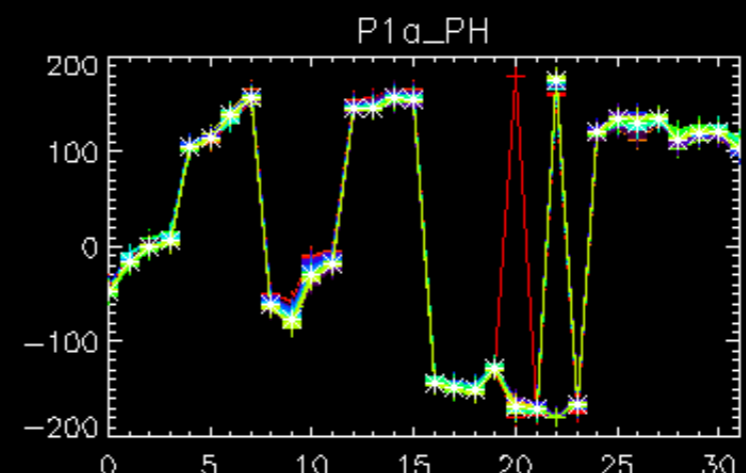
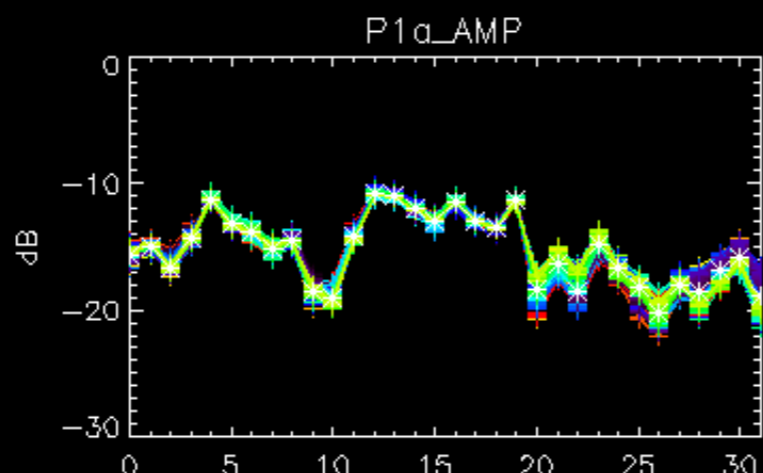
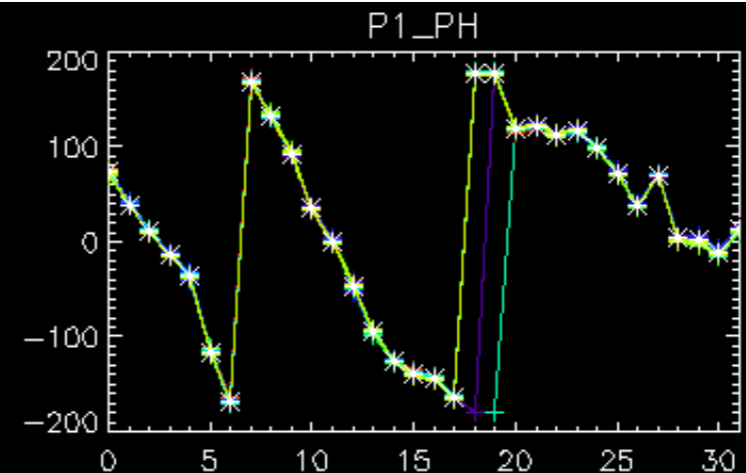
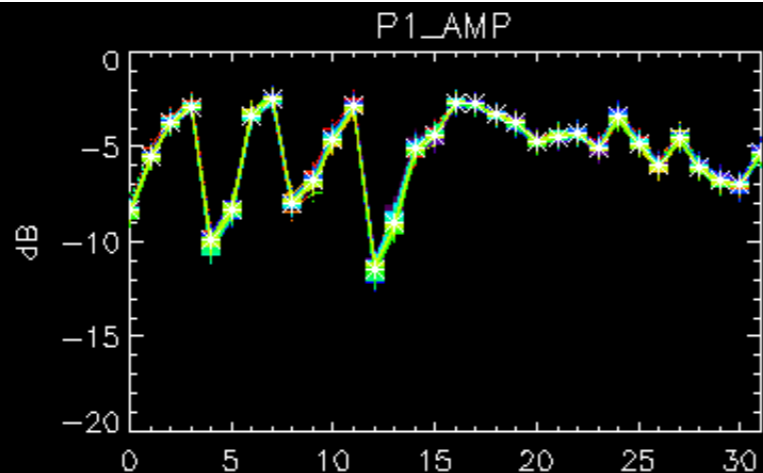
Average P3

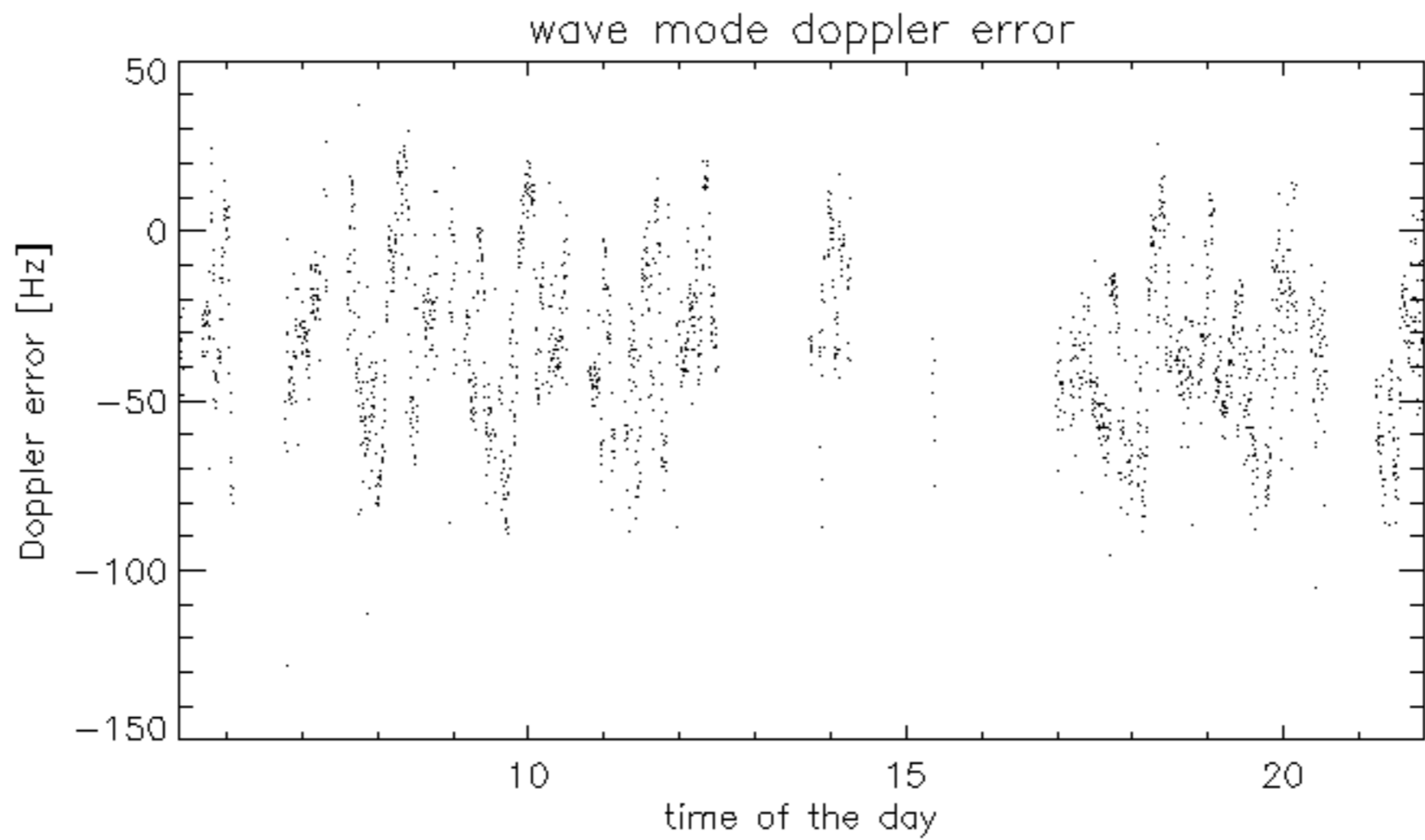
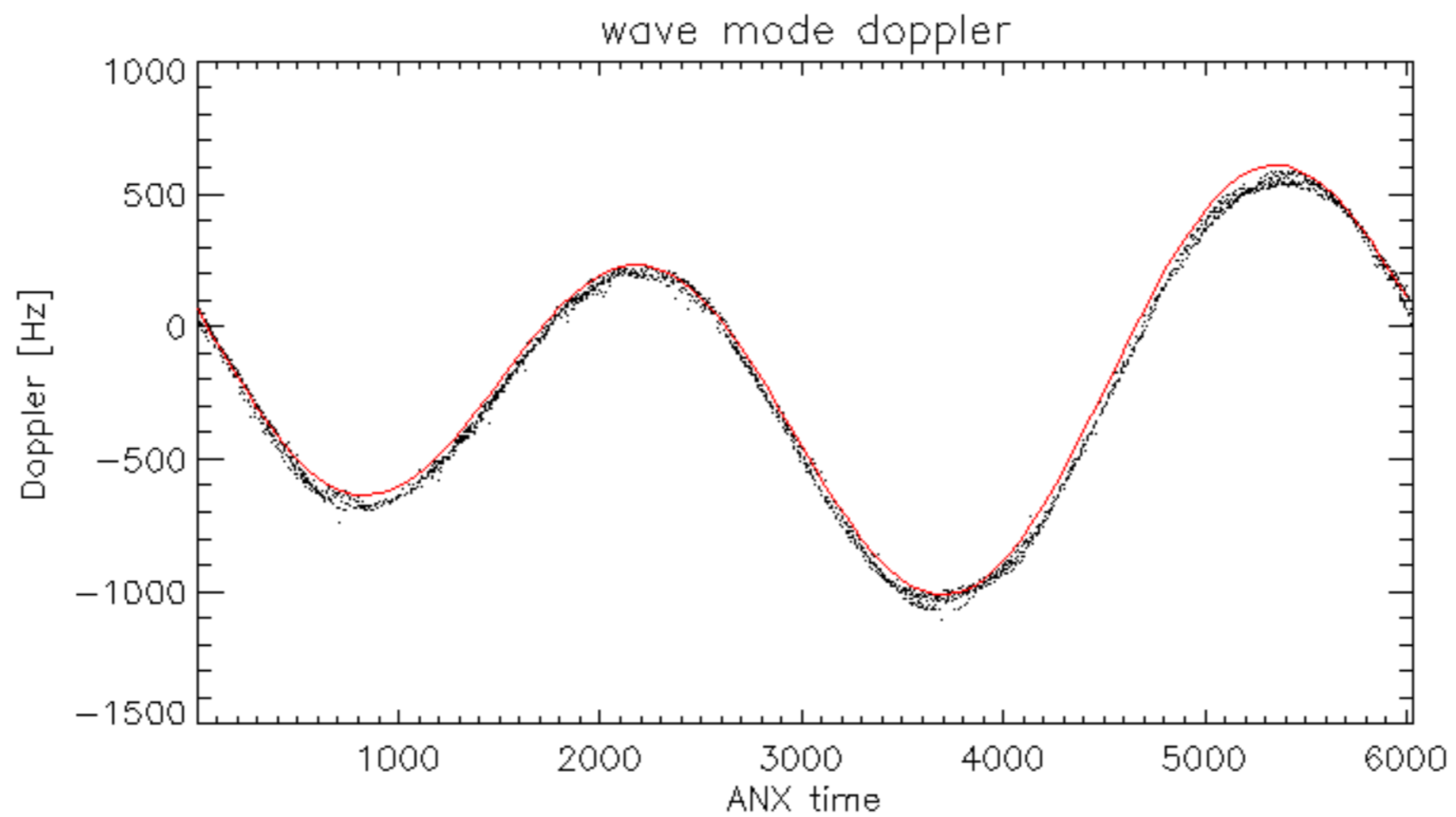




-Preliminary report.The data is not yet controled







-Preliminary report. MS data is not yet controled

-Preliminary report. The data is not yet controled

Reference: 2003-06-12 14:10:32 V RxPhase
 Test : 2003-12-20 19:42:34 V

