

# STEREOWAVES

## Interplanetary Radio Burst Tracker

Jean-Louis Bougeret, PI

Observatoire de Paris - Meudon

## Science Working Group Meeting

Cal Tech - Pasadena

13 & 14 November 2007

as told by Keith Goetz

Observatoire de Paris  
University of Minnesota  
University of California - Berkeley  
Goddard Space Flight Center

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## Status

- Both A & B receivers continue to function nominally
  - No unexpected resets or anomalies
  - No trend changes in HK parameters
- Operations continue to go well
  - Commands go up
  - Telemetry comes down
  - Associated data products are produced and made available
  - Special situations are handled
- We recently did a flight software upload
  - Corrected a number of small issues
  - Added fully functional space weather data - at last!

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## Glitches - revisited

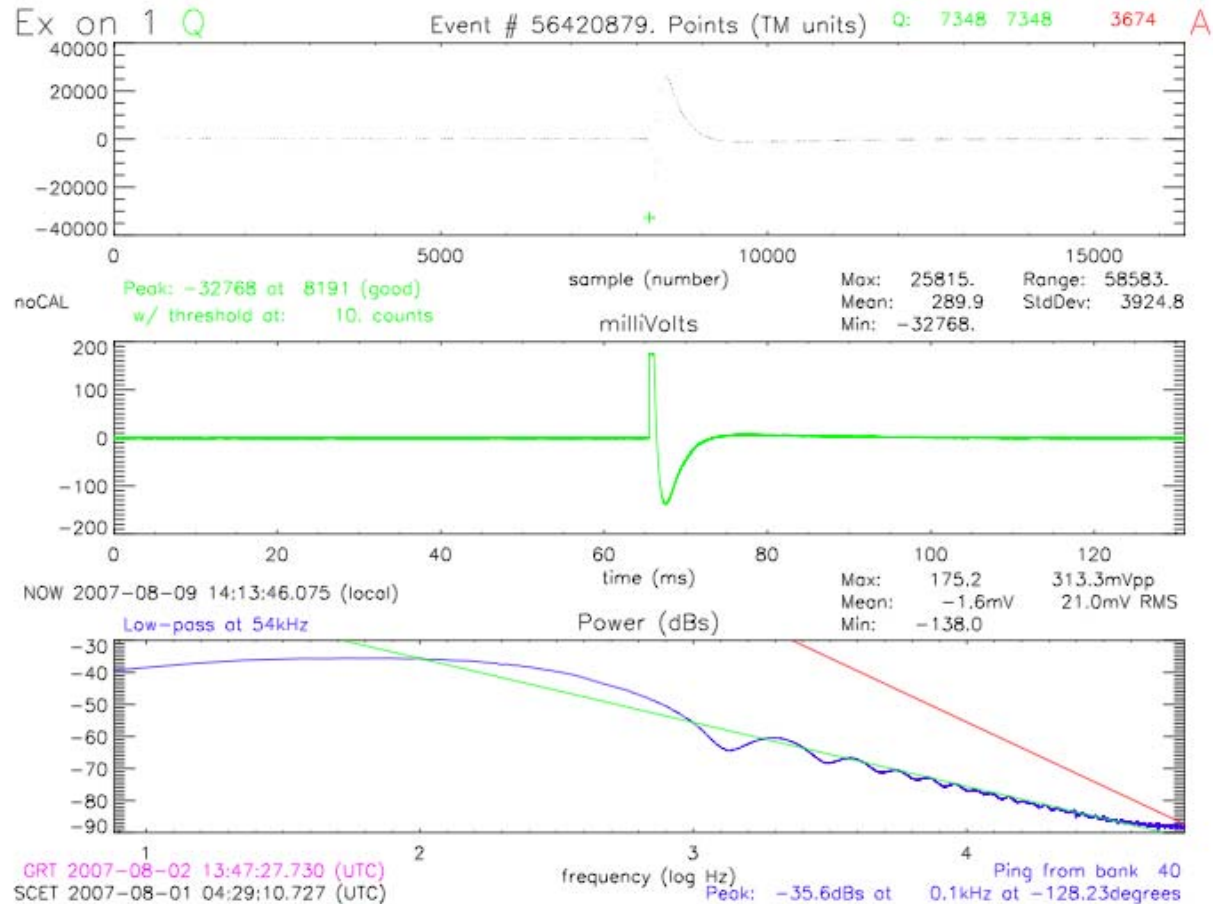
- We have been struggling to understand some transient events in the time domain
  - Often on A
  - Less often on B
  
  - Appeared in late January and well into February but then disappeared
  
  - Returned with a vengeance on 20 July on Ahead

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## A typical "glitch"



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## What is this?

- High voltage discharge?
- 1553 noise?
- Control system noise?
- Noise internal to S/WAVES?
- Conducted? Radiated?
  
- Never seen pre-launch
- Never seen in ground-based testing
  - Not in the lab, not on the spacecraft, not in TV nor in EMC
  
- So this is bothersome to S/WAVES
- More than that, one wonders what's going on - something interesting?
  
- We may, in the past, have accused one or more STEREO subsystems of making this puzzling noise...
- ...I apologize
- More later

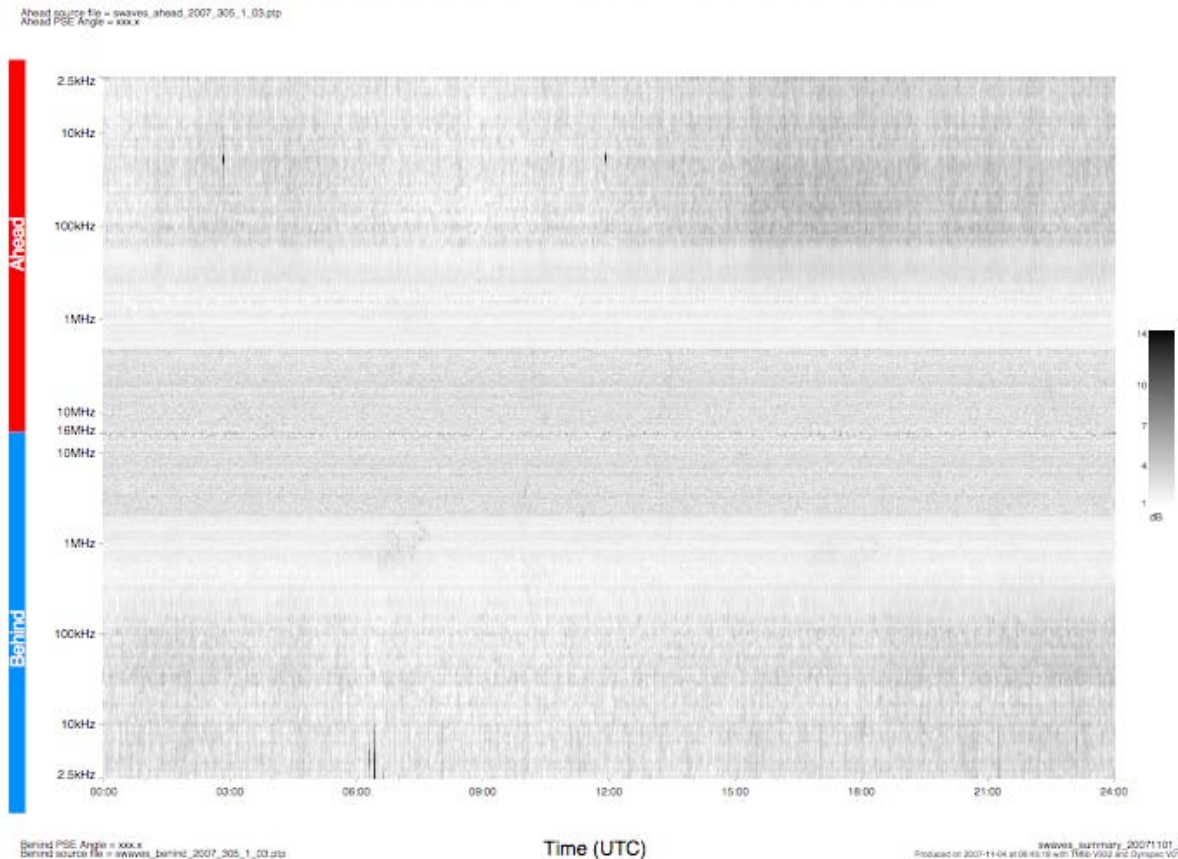
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## Daily summary plots available (<http://swaves.gsfc.nasa.gov>)

STEREO/WAVES Daily Summary - 01-Nov-2007 ( DOY 305)



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## French data center

- Many mission data sets are coming on-line at the CDPP
  - Centre de Donnees de la Physique des Plasmas
  - Sponsored by the French space agency - CNES
- This now includes STEREO/WAVES
- Access is not open to the public but is very easy to obtain
  
- Now open for business at
  - <http://cdpp.cesr.fr/>

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## CDPP

PLASMA PHYSICS DATA CENTRE - Data selection

http://cdpp2.cnes.fr/cdpp/expandDataTreeNode.do?dispatch=expandNode&node=root\_D/

CDPP Cassini STEREO Webmail Banques Revues KartOO English

**CENTRE DE DONNEES DE LA PHYSIQUE DES PLASMAS**

You are connected as : ceconi

You are here : Start page → Data selection

**Data**

- .. Choose Data
  - > By navigation
  - > By keywords and criteria
  - > By quicklooks
- .. My Selection
  - > View selection
  - > Reset selection
  - > Previous orders
  - > Saved orders
- .. My workspace

**Services**

- .. Documents
- .. Event tables
- .. Orbit viewer

**User**

- .. Logout
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**Data selection**

Please select the data sets to order in the tree below.

- [-] Missions
  - [+] ARCAD-3 Mission
  - [+] CLUSTER Mission
  - [+] DEMETER Mission
  - [+] European GEOS Mission
  - [+] INTERBALL Auroral and Tail Mission
  - [+] ISEE3/ICE Mission
  - [+] STEREO Mission
  - [-] SWAVES Experiment
    - [+] DEF\_H\_RES : Definitive High Resolution Data (LFR, HFR and FFR Receivers)
    - [+] DEF\_AVERAGE : Definitive Averaged Data (LFR and HFR Receivers)
    - [+] DEF\_GRAPHS : Definitive Graphs (Dynamic Spectra)
    - [+] PRE\_H\_RES : Preliminary High Resolution Data (LFR, HFR and FFR Receivers)
    - [+] PRE\_AVERAGE : Preliminary Averaged Data (LFR and HFR Receivers)
    - [+] PRE\_GRAPHS : Preliminary Graphs (Dynamic Spectra)
  - [+] ULYSSES Mission

Afficher un menu