

Description		
Sensor	121f02 250.0 sa/sec (100.00 Hz)	
Location	LAB1O2, ER1, Drawer 1	
Inc/Flight	Increment: 16, Flight: S15	
Plot Type	spectrogram	

## NOTES:

- The European Space Agency's first Automated Transfer Vehicle (ATV), Jules Verne, docked at the aft end of the Russian service module at GMT 094/14:45.
- ESA website for the ATV states that the approach of the ATV to the ISS slows down to 7cm/s, just prior to docking.
- Similar to a Soyuz or Progress docking, the events as recorded by PIMS on console were as follows:
  - 1. Initial contact and capture (14:45:39)
  - 2. Pause several minutes to let relative motion between the two spacecraft damp out
  - 3. Drive latches to make solid mechanical connection (14:50:51)

Regime:	Vibratory
Category:	Vehicle
Source:	ATV Docking



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## NOTES:

- The ATV's initial contact with ISS occurs at approximately 6 minutes into the interval max plot.
- Peak magnitude of initial contact as measured by 121f02 was12.9 mg.
- Unlike shuttle dockings, the driving of the latches is not readily apparent in these plots. The oval calls out the time period where the driving of the latches occurred.



ATV Docking (Image from ESA Website)

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