

HNRAO Observing Log
40.673181 N – 80.437885 W
EN90sq



Date: 17 June 2017

Object: Sun

Observer: JB

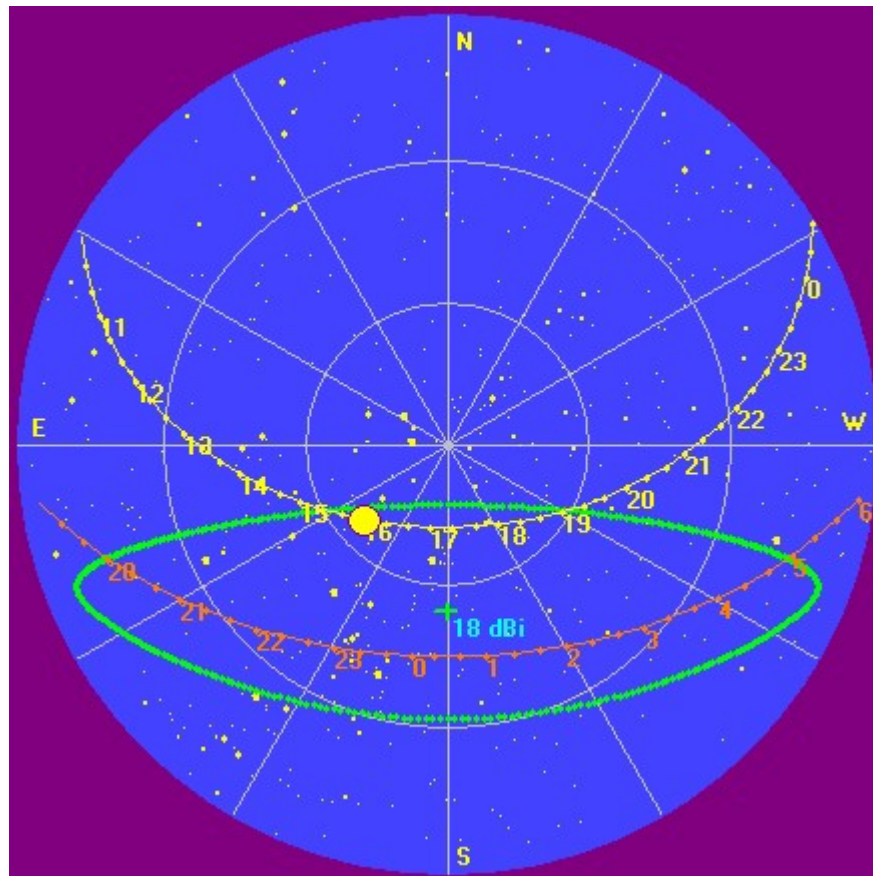
Start of pass:	1600:50 UT	Planetary K-index:	
Jupiter Altitude (deg):		Jupiter Azimuth (deg):	
Jupiter CML:		Jupiter Io Phase:	
Jupiter RA (hr/min):		Jupiter Dec (hr/min):	
Hour Angle (hr/min):		Polarization	
Sun Altitude (deg):	66.7	Sun Azimuth (deg):	132.5
Sun RA (hr/min):	05:37	Sun Dec (hr/min):	23:20

End of pass:			
Jupiter Altitude (deg):		Jupiter Azimuth (deg):	
Jupiter CML:		Jupiter Io Phase	
Hour Angle (hr/min):			
Sun Altitude (deg):		Sun Azimuth (deg):	

Observations made using:

1. FSX-8S fed by the TFD array
 - a. 7.7 dB loss between TFD and Multicouplers.
 - b. Connect to array through HNRAO Multicoupler #1 and #2, port 2
 - i. HNRAO Multicoupler #1 – TFD/LCP
 - ii. HNRAO Multicoupler #2 – TFD/RCP
 1. Port 1 having 10 dB of gain, all other ports have 3 dB gain.
2. FSX-2 fed by the LWA array directly
 - a. LWA element configuration – 90 degrees
3. JOVE 2 receiver fed by phased JOVE dipoles @ 13'
 - a. 12' 6" phase cable - phased for 2016-17 season
 - b. Calibrated 1 June 2017
 - c. Connected to dipoles through HNRAO Multicoupler #3, port 1.
 - i. 3.165 dB loss between Multicoupler and dipoles.
4. Icom R75 receiver fed by experimental DDRR antenna directly.
 - a. Calibrated 19 April 2017
5. SDRPlay
 - a. RSP1 (2) and RSP2 (1)

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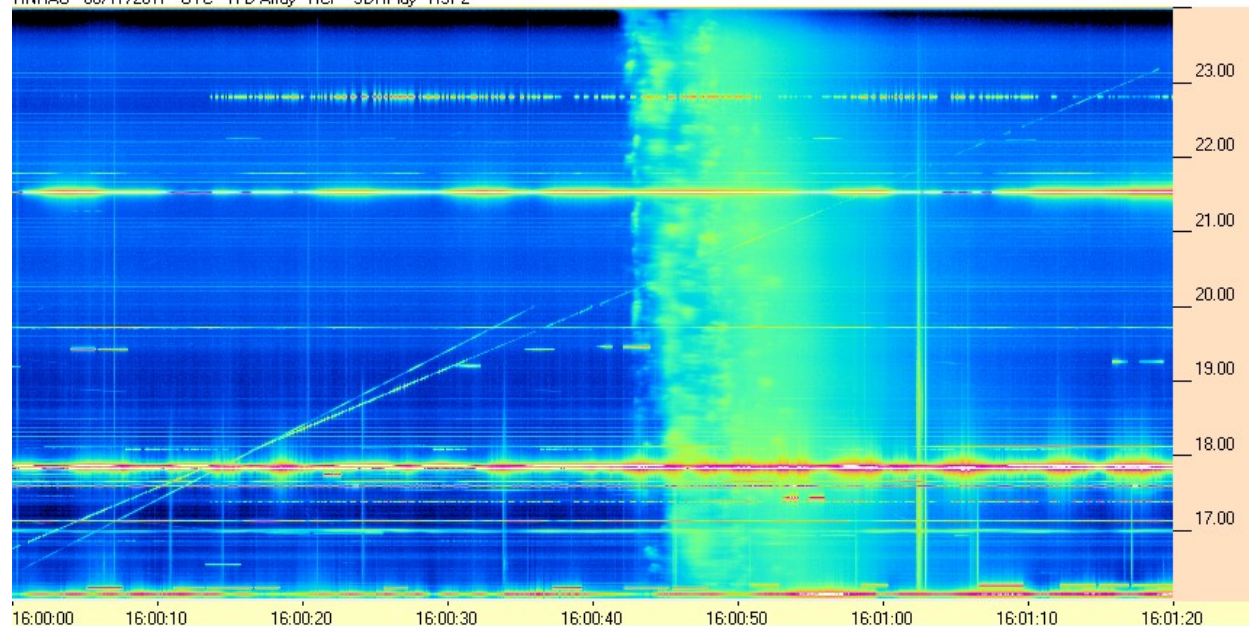


Beginning of Pass

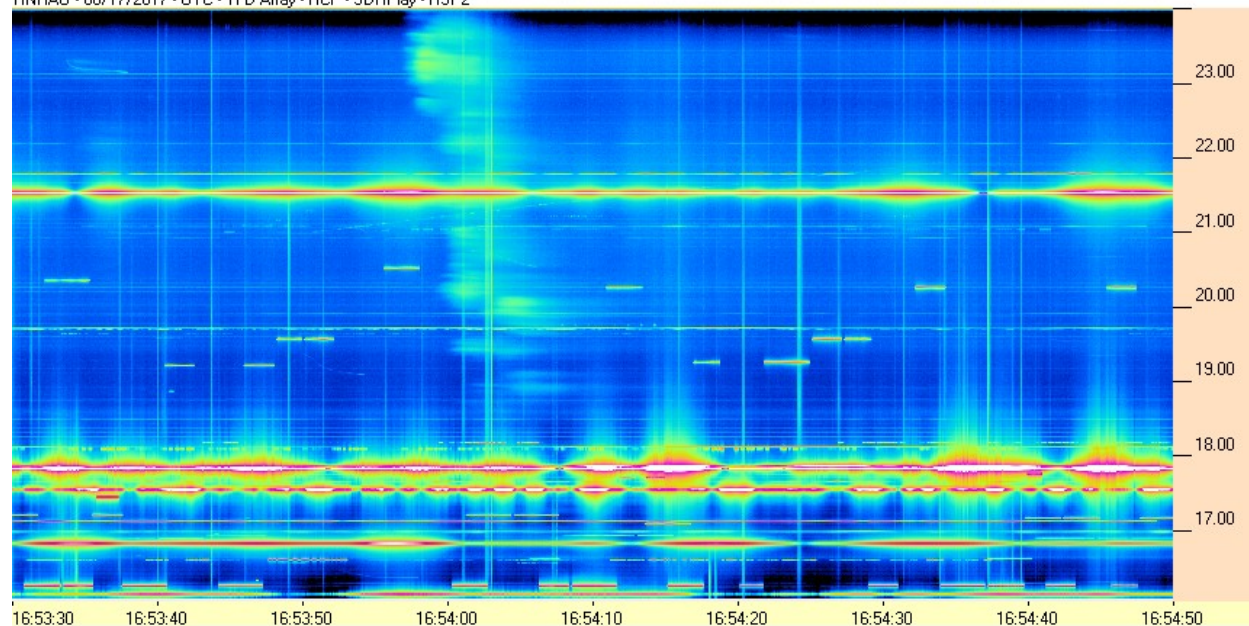
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HNRAO - 06/17/2017 - UTC - TFD Array - RCP - SDRPlay - RSP2



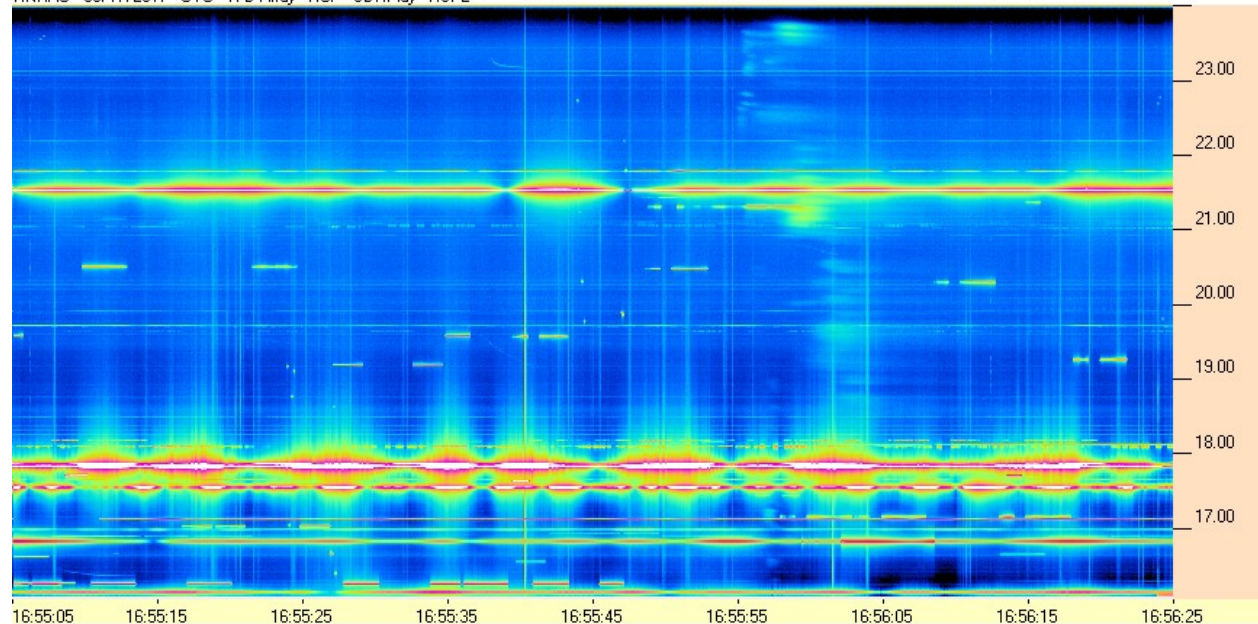
HNRAO - 06/17/2017 - UTC - TFD Array - RCP - SDRPlay - RSP2



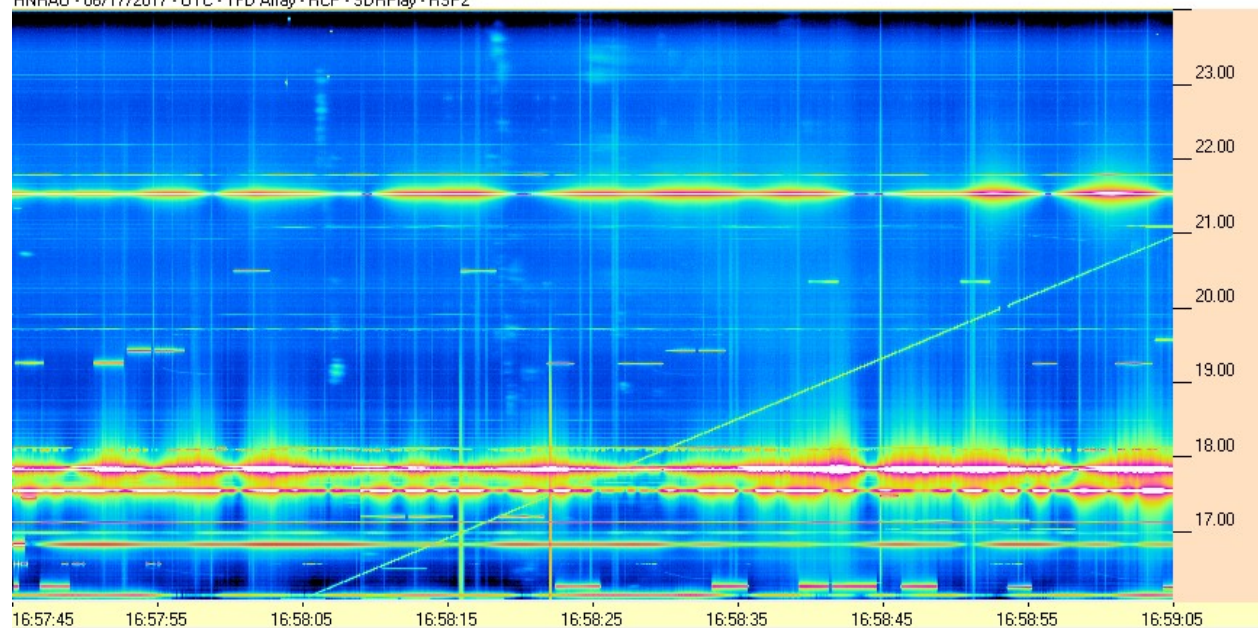
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HNRAO - 06/17/2017 - UTC - TFD Array - RCP - SDRPlay - RSP2



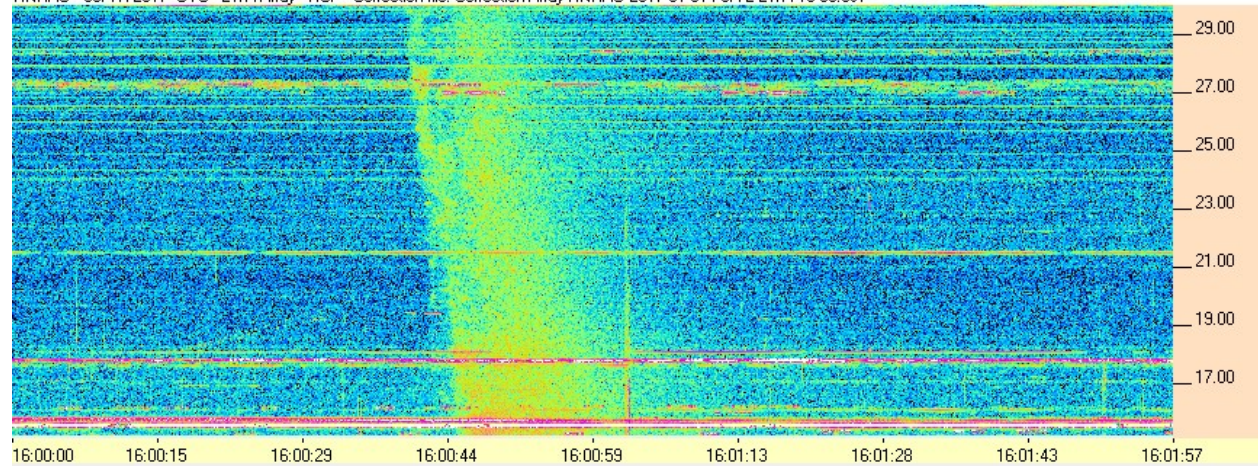
HNRAO - 06/17/2017 - UTC - TFD Array - RCP - SDRPlay - RSP2



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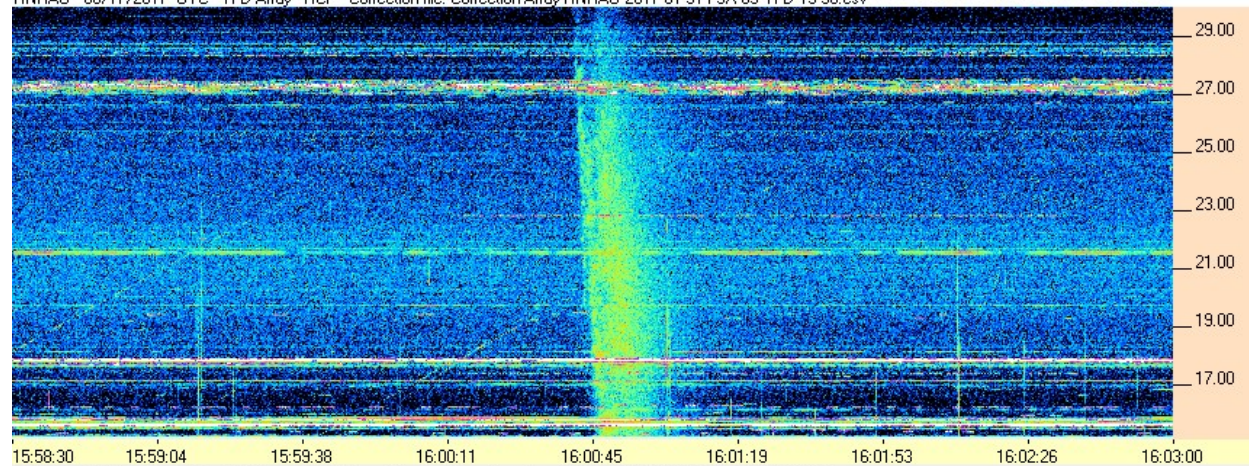
HNRAO - 06/17/2017 UTC - LWA Array - RCP - Correction file: Correction Array HNRAO 2017 01 31 FSX-2 LWA 15-30.csv



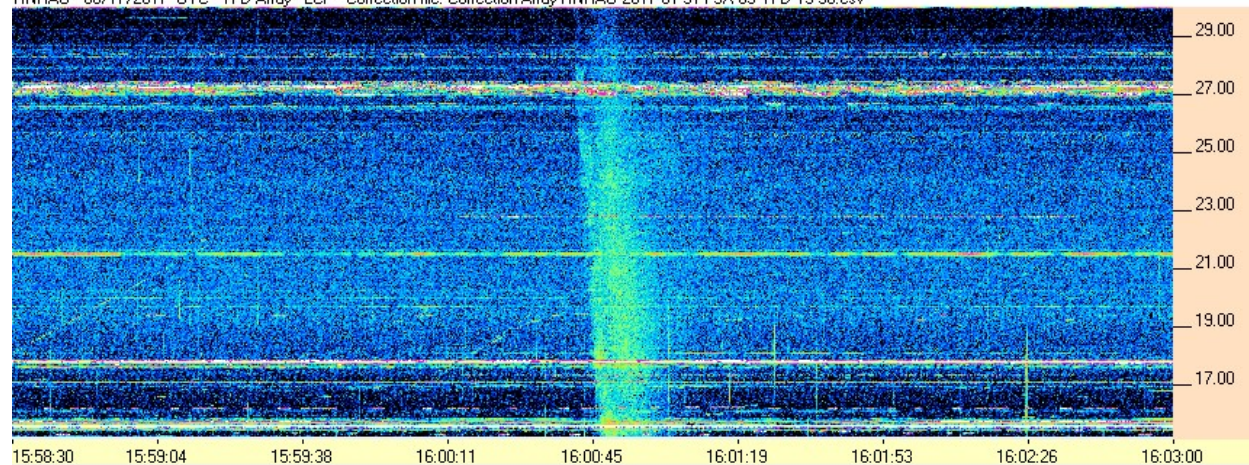
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HNRAO - 06/17/2017 UTC - TFD Array - RCP - Correction file: Correction Array HNRAO 2017 01 31 FSX-8S TFD 15-30.csv



HNRAO - 06/17/2017 UTC - TFD Array - LCP - Correction file: Correction Array HNRAO 2017 01 31 FSX-8S TFD 15-30.csv



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