

DSS-13 is just transmitting 7190 MHz with no Doppler removal. At DSS-14 we often remove the Dopplers on the uplink but we don't yet have the ability to do that at DSS-13.

Lance - So in short, if DSS-13 is transmitting a constant 7190 MHz, the echo is arrive at ATCA in a rapidly time-varying way not compensated for Doppler.

Jon - Doppler shift at the moment the moment is -196419.139 Hz, thus echo at 7189.8 Mhz, so within the band 7187 - 7191 MHz Jamie mentioned recording.

21:21:50 Due to elevation restrictions, we just dropped the transmitter power to 60 kW.

22:40:50 UT. Due to airspace restrictions, we decreased the transmitter power to 40 kW.

22:50:00 UT. Transmitter off at DSS-13.

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