

#16 DSES Pulsar Observation Report: B2020+28

Date & Time (UTC): March 4, 2022

Observers: Dan Layne

Telescope: Deep Space Exploration Society (DSES) 60 ft. dish (18.3 m). Haswell, CO

Feed horn: 1296 Mhz, Single Polarization, Beamwidth = 0.81°

Receiver: USRP B210, Bandwidth = 30 Mhz. Frequency = 1296 Mhz, RF Gain = 44

Computer: System76, 16 core, Ubuntu 20.04

Software: Murmur (planning), GnuRadio (collection), PRESTO (folding and detection)

Run time: 180 min

