

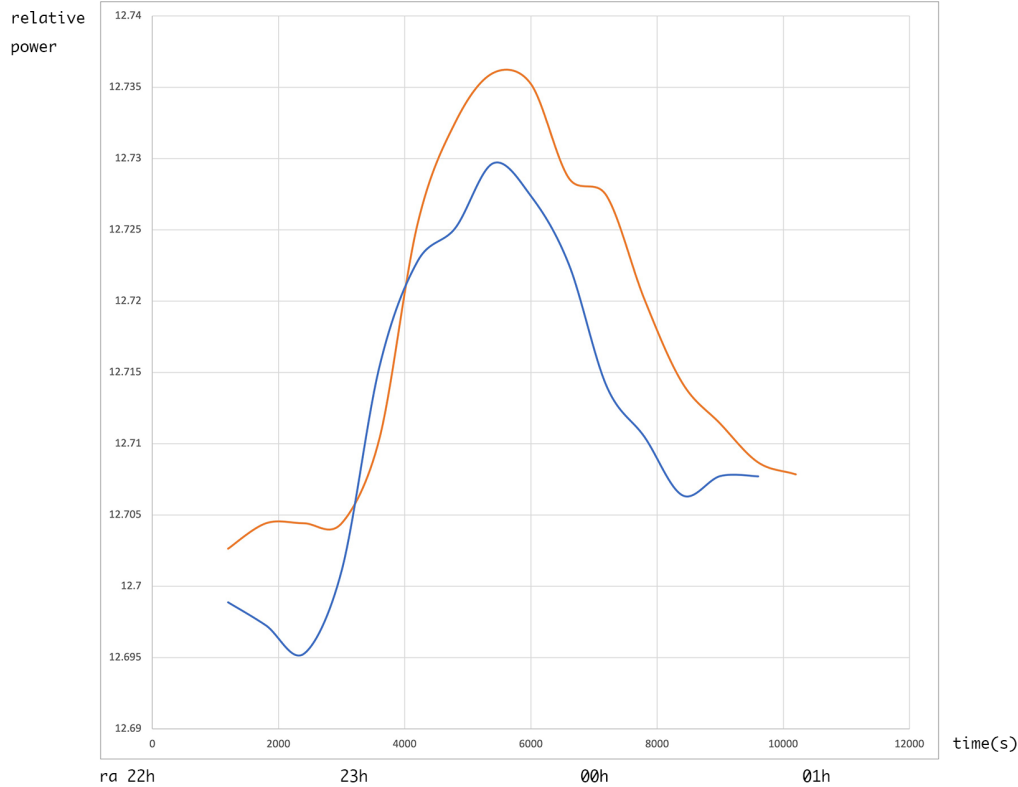
Cassiopeia A with JRT

Besides the Sun, the Supernova Remnant Cassiopeia A (CAS A) is the brightest continuum source in the radio sky at 1400 MHz. Therefore, it is the most promising target when trying continuum observations. Since the 3 meter telescope from Astropeiler could easily get Cassiopeia A, I thought I give it a try with my 1.5-1.9 meter radio telescope. JRT (Jobs Radio Telescope).

First, a transit scan was performed at ALT 70 degrees. Furthermore, in order to verify the result, the telescope has been repositioned at ALT 80 degrees and the transit of CAS A has also been observed on the subsequent day in a 3 hour driftscan. The figures below show the result of this experiment. The transit can clearly be seen on both days at the expected right ascension. [ref. Astropeiler]

The SDR# and the VirgoSoft recordings were made at the same moment with a RTLSDR for VirgoSoft and an Airtyspy SDR for SDR#. Job Geheiau - The Netherlands - jobgeheiau@gmail.com

Cassiopeia A driftscan at 1414 MHz with SDR#-IF average 1024 FFT red 16 sep 2021 blue 17 sep 2021



Cassiopeia A driftscan with VirgoSoft at 1418 MHz 2048 FFT red 16 sep 2021 blue 17 sep 2021 (integration time 20 sec)

