

TXRPWR:- 20KW
 Freq:- 7159.45MHz
 POL:- RCP

Planned/conducted DSS-43 transmission on/off to comply JPL risk analysis

TXRON:- 2021-349T22:16:00
 TXROFF:- 2021-349T22:27:00
 TXRON:- 2021-349T22:29:00
 TXROFF:- 2021-349T22:35:00
 TXRON:- 2021-349T22:36:00
 TXROFF:- 2021-349T23:22:00
 TXRON:- 2021-349T23:28:00
 TXROFF:- 2021-349T23:43:00
 (Total on/off cycles: 4+1Precal)

X-band Tsys at DSS-43

349 22:30:00 24.938

349 22:40:00 25.269

349 22:50:00 25.559

..

349 23:00:00 25.943

..

349 23:30:00 27.489

ATCA: one IF is 5 antennas, the other is 1 antenna (Jamie)

https://www.atnf.csiro.au/cgi-bin/vlbi/atca_summary.pl?start=349/23:43:00&end=349/23:59:30&year=2021&site=ATCA

Array = 1.5A

W100 W110 W147 W168 W196 W392

Refant:

349/23:43:00-349/23:47:28 CA00

349/23:47:28-349/23:50:02 CA03

349/23:50:02-349/23:50:13 CA03

349/23:50:13-349/23:50:24 CA03

349/23:50:24-349/23:50:35 CA03

349/23:50:35-349/23:50:46 CA03

349/23:50:46-349/23:50:57 CA03

349/23:50:57-349/23:51:08 CA03

349/23:51:08-349/23:51:19 CA03

349/23:51:19-349/23:51:30 CA03

349/23:51:30-349/23:59:30 CA03

RefAntCal:

349/23:43:00-349/23:45:05 CA05

349/23:45:05-349/23:46:22 CA01

349/23:46:22-349/23:50:02 CA03

349/23:50:02-349/23:50:13 CA03

349/23:50:13-349/23:50:24 CA03

349/23:50:24-349/23:50:35 CA03

349/23:50:35-349/23:50:46 CA03

349/23:50:46-349/23:50:57 CA03
349/23:50:57-349/23:51:08 CA03
349/23:51:08-349/23:51:19 CA03
349/23:51:19-349/23:51:30 CA03
349/23:51:30-349/23:59:30 CA03

Tied IF#1:

349/23:43:00-349/23:50:02 12345-
349/23:50:02-349/23:50:13 12345-
349/23:50:13-349/23:50:24 12345-
349/23:50:24-349/23:50:35 12345-
349/23:50:35-349/23:50:46 12345-
349/23:50:46-349/23:50:57 12345-
349/23:50:57-349/23:51:08 12345-
349/23:51:08-349/23:51:19 12345-
349/23:51:19-349/23:51:30 12345-
349/23:51:30-349/23:59:30 12345-

Tied IF#2:

349/23:43:00-349/23:50:02 --5-
349/23:50:02-349/23:50:13 --5-
349/23:50:13-349/23:50:24 --5-
349/23:50:24-349/23:50:35 --5-
349/23:50:35-349/23:50:46 --5-
349/23:50:46-349/23:50:57 --5-
349/23:50:57-349/23:51:08 --5-
349/23:51:08-349/23:51:19 --5-
349/23:51:19-349/23:51:30 --5-
349/23:51:30-349/23:59:30 --5-

Solid detection of narrow (1-2 Hz) echo at 10-sigma level over 50 minutes integration of Chris's rdr files at 1Hz sample. Echo is highly polarised around 80 percent.

From:
<https://www.atnf.csiro.au/vlbi/dokuwiki/> - **ATNF VLBI Wiki**

Permanent link:
https://www.atnf.csiro.au/vlbi/dokuwiki/doku.php/southernhemisphereradar/ast_nereus

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