

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

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

TXRON:- 2021-355T05:10:17 (on point)
TXROFF:- 2021-355T06:01:00
TXRON:- 2021-355T06:02:00 (water load removed and transmitter functional at 06:02:16, disregard data before)
TXROFF:- 2021-355T08:31:00
TXRON:- 2021-355T08:33:00
TXROFF:- 2021-355T08:43:00
(Total on/off cycles: 3+1Precal)

ATCA
DAS1 = CA05, DAS2 = CA06

Weather - fine and clear sky

ATCA Tsys
(https://www.atnf.csiro.au/cgi-bin/vlbi/monica_tsys.pl?year=2021&start=355/05:05:00&end=355/08:45:00&index=%27R1%27,%27L1%27,%27R2%27,%27L2%27&tel=At)

! User may need to edit the INDEX format. Normal (16MHz) usage are:

TSYS At TIMEOFF=0.0 FT=1.0

INDEX='R1','L1','R2','L2'

/

! New array configuration at 2021-350-05:41:10, ca05

355 05:05.05 365.3 349.1 357.0 351.6
355 05:05.23 365.7 348.5 357.1 350.9
355 05:05.42 365.6 348.3 357.3 350.6
355 05:05.60 364.0 347.5 355.5 350.3
355 05:05.78 365.3 348.5 357.0 351.1
355 05:05.97 365.7 347.3 357.3 351.2
355 05:06.15 366.2 349.5 357.7 352.0
355 05:06.33 365.9 347.9 357.5 350.7

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355 08:43.27 437.1 419.6 426.2 423.1
355 08:43.45 437.4 420.3 426.6 422.3
355 08:43.63 440.3 422.6 428.9 425.8
355 08:43.82 438.8 420.8 428.2 424.6
355 08:44.00 438.9 419.4 427.8 422.4
355 08:44.18 442.2 422.7 431.1 426.4
355 08:44.37 441.2 423.1 430.4 426.0
355 08:44.55 443.1 425.1 431.8 428.6
355 08:44.73 442.9 424.8 431.4 427.2
355 08:44.92 442.3 422.9 431.7 425.9

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