

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

Planned/conducted DSS-36 transmission on/off to comply JPL risk analysis

TXRON:- 2021-354T08:18:00 started after solving a predict landing issue
TXROFF:- 2021-354T08:29:00
TXRON:- 2021-354T08:31:00
TXROFF:- 2021-354T08:43:00
TXRON:- 2021-354T08:51:00
TXROFF:- 2021-354T09:10:00
TXRON:- 2021-354T09:12:00
TXROFF:- 2021-354T09:31:00
TXRON:- 2021-354T09:53:00
TXROFF:- 2021-354T10:11:00
(Total on/off cycles: 5+1Precal)

ATCA

https://www.atnf.csiro.au/cgi-bin/vlbi/atca_summary.pl?start=354/08:00:00&end=354/09:59:30&year=2021&site=ATCA

Array = 1.5A

W100 W110 W147 W168 W196 W392

Refant:

354/08:00:00-354/08:19:22	CA00
354/08:19:22-354/08:19:33	CA00
354/08:19:33-354/08:19:44	CA00
354/08:19:44-354/08:19:55	CA00
354/08:19:55-354/08:20:06	CA00
354/08:20:06-354/08:20:17	CA00
354/08:20:17-354/08:20:28	CA00
354/08:20:28-354/08:20:39	CA00
354/08:20:39-354/08:20:50	CA00
354/08:20:50-354/09:59:30	CA00

RefAntCal:

354/08:00:00-354/08:19:22	CA05
354/08:19:22-354/08:19:33	CA05
354/08:19:33-354/08:19:44	CA05
354/08:19:44-354/08:19:55	CA05
354/08:19:55-354/08:20:06	CA05
354/08:20:06-354/08:20:17	CA05
354/08:20:17-354/08:20:28	CA05
354/08:20:28-354/08:20:39	CA05
354/08:20:39-354/08:20:50	CA05
354/08:20:50-354/09:59:30	CA05

Tied IF#1:

```
354/08:00:00-354/08:19:22 ----5-
354/08:19:22-354/08:19:33 ----5-
354/08:19:33-354/08:19:44 ----5-
354/08:19:44-354/08:19:55 ----5-
354/08:19:55-354/08:20:06 ----5-
354/08:20:06-354/08:20:17 ----5-
354/08:20:17-354/08:20:28 ----5-
354/08:20:28-354/08:20:39 ----5-
354/08:20:39-354/08:20:50 ----5-
354/08:20:50-354/09:59:30 ----5-
```

Tied IF#2:

```
354/08:00:00-354/08:19:22 1234--
354/08:19:22-354/08:19:33 1234--
354/08:19:33-354/08:19:44 1234--
354/08:19:44-354/08:19:55 1234--
354/08:19:55-354/08:20:06 1234--
354/08:20:06-354/08:20:17 1234--
354/08:20:17-354/08:20:28 1234--
354/08:20:28-354/08:20:39 1234--
354/08:20:39-354/08:20:50 1234--
354/08:20:50-354/09:59:30 1234--
```

ATCA Tsys

(https://www.atnf.csiro.au/cgi-bin/vlbi/monica_tsys.pl?year=2021&start=354/08:15:00&end=354/10:15:00&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

354 08:15.15 422.4 402.3 412.5 404.8

354 08:15.33 422.3 405.0 411.7 408.4

354 08:15.52 424.9 405.3 413.9 407.8

354 08:15.70 429.5 410.7 420.1 414.2

354 08:15.88 432.5 415.2 422.4 419.2

354 08:16.07 436.8 415.4 426.6 418.9

..

354 10:13.42 729.0 695.6 706.4 700.9

354 10:13.60 730.7 692.1 708.3 702.1

354 10:13.78 730.7 692.1 708.3 702.1

354 10:13.97 730.7 692.1 708.3 702.1

354 10:14.15 730.7 692.1 708.3 702.1

354 10:14.33 730.7 692.1 708.3 702.1

354 10:14.52 730.7 692.1 708.3 702.1

354 10:14.70 730.7 692.1 708.3 702.1

354 10:14.88 496.1 474.4 482.8 478.0

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