

THIS TRACK WAS SCHEDULED DUE TO DSS-43 MECHANICAL ISSUE

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

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

TXRON:- 2021-353T06:51:52 (just after on source)
TXROFF:- 2021-353T06:56:00
TXRON:- 2021-353T06:57:00
TXROFF:- 2021-353T07:17:00
TXRON:- 2021-353T07:19:00
TXROFF:- 2021-353T07:28:00
TXRON:- 2021-353T07:30:00
TXROFF:- 2021-353T07:47:00
TXRON:- 2021-353T07:49:00
TXROFF:- 2021-353T08:50:00
(Total on/off cycles: 5+1Precal)

https://www.atnf.csiro.au/cgi-bin/vlbi/atca_summary.pl?start=353/05:00:00&end=353/07:59:30&year=2021&site=ATCA

Array = 1.5A W100 W110 W147 W168 W196 W392 Refant:

353/05:00:00-353/07:01:44	CA00
353/07:01:44-353/07:01:55	CA00
353/07:01:55-353/07:02:06	CA00
353/07:02:06-353/07:02:17	CA00
353/07:02:17-353/07:02:28	CA00
353/07:02:28-353/07:02:39	CA00
353/07:02:39-353/07:02:50	CA00
353/07:02:50-353/07:03:01	CA00
353/07:03:01-353/07:03:12	CA00
353/07:03:12-353/07:59:30	CA00

RefAntCal:

353/05:00:00-353/07:01:44	CA05
353/07:01:44-353/07:01:55	CA05
353/07:01:55-353/07:02:06	CA05
353/07:02:06-353/07:02:17	CA05
353/07:02:17-353/07:02:28	CA05
353/07:02:28-353/07:02:39	CA05
353/07:02:39-353/07:02:50	CA05
353/07:02:50-353/07:03:01	CA05
353/07:03:01-353/07:03:12	CA05
353/07:03:12-353/07:59:30	CA05

Tied IF#1:

```
353/05:00:00-353/07:01:44 ----5-
353/07:01:44-353/07:01:55 ----5-
353/07:01:55-353/07:02:06 ----5-
353/07:02:06-353/07:02:17 ----5-
353/07:02:17-353/07:02:28 ----5-
353/07:02:28-353/07:02:39 ----5-
353/07:02:39-353/07:02:50 ----5-
353/07:02:50-353/07:03:01 ----5-
353/07:03:01-353/07:03:12 ----5-
353/07:03:12-353/07:59:30 ----5-
```

Tied IF#2:

```
353/05:00:00-353/06:29:49 -----6
353/06:29:49-353/07:01:44 1234--
353/07:01:44-353/07:01:55 1234--
353/07:01:55-353/07:02:06 1234--
353/07:02:06-353/07:02:17 1234--
353/07:02:17-353/07:02:28 1234--
353/07:02:28-353/07:02:39 1234--
353/07:02:39-353/07:02:50 1234--
353/07:02:50-353/07:03:01 1234--
353/07:03:01-353/07:03:12 1234--
353/07:03:12-353/07:59:30 1234--
```

ATCA Tsys

https://www.atnf.csiro.au/cgi-bin/vlbi/monica_tsys.pl?year=2021&start=353/06:50:00&end=353/08:50:00&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

353 06:50.18 413.1 395.1 403.6 398.3

353 06:50.37 413.1 395.1 403.6 398.3

353 06:50.55 414.9 395.3 404.5 398.8

353 06:50.73 419.1 401.1 408.9 404.6

353 06:50.92 422.3 406.2 412.1 409.2

353 06:51.10 422.2 405.7 412.2 409.2

...

353 08:49.00 495.9 473.4 483.7 477.7

353 08:49.18 496.4 475.6 484.6 479.4

353 08:49.37 496.3 477.2 483.2 480.7

353 08:49.55 497.3 477.4 484.1 481.6

353 08:49.73 498.9 475.3 486.6 479.7

353 08:49.92 498.2 476.1 485.8 479.7

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