

DOY 135

Here are the turn-off times for your May 15 experiment.

Asteroid 2008 2012-UX68 5/15/22 16:15 - 21:20

DSS35 Asteroid 2012 UX68 5/15/22 16:16 - 16:24
 DSS35 Asteroid 2012 UX68 5/15/22 16:44 - 16:50
 DSS35 Asteroid 2012 UX68 5/15/22 17:05 - 17:07
 DSS35 Asteroid 2012 UX68 5/15/22 17:31 - 17:37
 DSS35 Asteroid 2012 UX68 5/15/22 17:54 - 18:07
 DSS35 Asteroid 2012 UX68 5/15/22 18:17 - 18:25
 DSS35 Asteroid 2012 UX68 5/15/22 18:49 - 18:59
 DSS35 Asteroid 2012 UX68 5/15/22 19:16 - 19:17
 DSS35 Asteroid 2012 UX68 5/15/22 20:00 - 20:03
 DSS35 Asteroid 2012 UX68 5/15/22 20:20 - 20:24
 DSS35 Asteroid 2012 UX68 5/15/22 20:33 - 20:35

Best,

Umut

16:33:51 Transmitter on

Jmie.stevens
 2:36 AM

DAS1 is CA01 and CA02 only, DAS2 is all 5 antennas

https://www.atnf.csiro.au/vlbi/dokuwiki/doku.php/southernhemisphereradar/ast_2012_ux68?do=edit
 Array = 750D W100 W102 W128 W140 W147 W392 Refant:

135/16:00:00-135/16:05:07	CA03
135/16:05:07-135/16:56:06	CA00
135/16:56:06-135/16:56:17	CA00
135/16:56:17-135/16:56:28	CA00
135/16:56:28-135/16:56:39	CA00
135/16:56:39-135/16:56:50	CA00
135/16:56:50-135/16:57:00	CA00

RefAntCal:

135/16:00:00-135/16:56:06	CA03
135/16:56:06-135/16:56:17	CA03
135/16:56:17-135/16:56:28	CA03
135/16:56:28-135/16:56:39	CA03
135/16:56:39-135/16:56:50	CA03

135/16:56:50-135/16:57:00 CA03

Tied IF#1:

135/16:00:00-135/16:06:02 -2----
135/16:06:02-135/16:56:06 12----
135/16:56:06-135/16:56:17 12----
135/16:56:17-135/16:56:28 12----
135/16:56:28-135/16:56:39 12----
135/16:56:39-135/16:56:50 12----
135/16:56:50-135/16:57:00 12----

Tied IF#2:

135/16:00:00-135/16:06:02 -2----
135/16:06:02-135/16:56:06 12345-
135/16:56:06-135/16:56:17 12345-
135/16:56:17-135/16:56:28 12345-
135/16:56:28-135/16:56:39 12345-
135/16:56:39-135/16:56:50 12345-
135/16:56:50-135/16:57:00 12345-

Return Travel Time for this asteroid during the track is 7.0 sec.

Planned/conducted DSS-35 transmission on/off to comply JPL risk analysis

TXRON:- 2022-135T16:33:50 (Track start)
TXROFF:- 2022-135T16:44:00
TXRON:- 2022-135T16:50:00
TXROFF:- 2022-135T17:05:00
TXRON:- 2022-135T17:07:00
TXROFF:- 2022-135T17:31:00
TXRON:- 2022-135T17:37:00
TXROFF:- 2022-135T17:54:00
TXRON:- 2022-135T18:07:00
TXROFF:- 2022-135T18:17:00
TXRON:- 2022-135T18:25:00
TXROFF:- 2022-135T18:49:00
TXRON:- 2022-135T18:59:00
TXROFF:- 2022-135T19:16:00
TXRON:- 2022-135T19:17:00
TXROFF:- 2022-135T20:00:00
TXRON:- 2022-135T20:03:00
TXROFF:- 2022-135T20:20:00
TXRON:- 2022-135T20:24:00
TXROFF:- 2022-135T20:33:00

TXRON:- 2022-135T20:35:00
TXROFF:- 2022-135T21:05:00 (End of track)

Total transmitter on/off time - 11 planned plus two for per-cal

DOY 137

Here are the turn-off times based on the updated asteroid trajectory.

Asteroid 2012-UX68 5/17/22 03:40 - 11:05

DSS35 Asteroid 2012 UX68 5/17/22 04:17 - 04:18
DSS35 Asteroid 2012 UX68 5/17/22 05:01 - 05:02
DSS35 Asteroid 2012 UX68 5/17/22 05:39 - 05:40
DSS35 Asteroid 2012 UX68 5/17/22 06:16 - 06:37
DSS35 Asteroid 2012 UX68 5/17/22 07:18 - 07:38
DSS35 Asteroid 2012 UX68 5/17/22 08:24 - 08:35
DSS35 Asteroid 2012 UX68 5/17/22 08:57 - 08:58
DSS35 Asteroid 2012 UX68 5/17/22 09:19 - 09:26
DSS35 Asteroid 2012 UX68 5/17/22 09:49 - 09:50
DSS35 Asteroid 2012 UX68 5/17/22 10:25 - 10:39
DSS35 Asteroid 2012 UX68 5/17/22 11:03 - 11:04

Best,

Umut

Planned/conducted DSS-35 transmission on/off to comply JPL risk analysis

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

TXRON:- 2022-137T05:41:42 (Track start)
TXROFF:- 2022-137T06:16:00
TXRON:- 2022-137T06:37:00
TXROFF:- 2022-137T07:18:00
TXRON:- 2022-137T07:38:00
TXROFF:- 2022-137T08:57:00
TXRON:- 2022-137T08:58:00
TXROFF:- 2022-137T09:19:00
TXRON:- 2022-137T09:26:00
TXROFF:- 2022-137T09:49:00
TXRON:- 2022-137T09:50:00
TXROFF:- 2022-137T10:25:00
TXRON:- 2022-137T10:39:00
TXROFF:- 2022-137T11:03:00 (End of track)

Last update: 2022/05/18 23:09 southernhemisphereradar:ast_2012_ux68 https://www.atnf.csiro.au/vlbi/dokuwiki/doku.php/southernhemisphereradar/ast_2012_ux68

09:43:03 - 10:16:24 Transmitter was down due to error "Open Interlock: BODY OVER CURRENT".

Total transmitter on/off time - 8 planned plus two for per-cal

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