

gg083d

Description	RadioAstron polarization imaging
Antennas	Jb-Ur-Tr-Mc-Ys-Hh-Sv-Zc-Ku-Ky-Kt-T6-Ef-Gt-Hn-Sc-NI-Br-La-Kp-Fd-Pt-Ov-Mk-Gb-Y-At-Mp-Cd-Ho-Pa-Pu
Start	39 21:59:49
Stop	40 22:11:00
PI	Jose L. Gomez

Setup ra1cm2:

Station Modes	Jb Ur T6
Channel 1	22236 - 22252 MHz USB RCP
Channel 2	22220 - 22236 MHz LSB RCP
Channel 3	22236 - 22252 MHz USB LCP
Channel 4	22220 - 22236 MHz LSB LCP
Channel 5	22268 - 22284 MHz USB RCP
Channel 6	22252 - 22268 MHz LSB RCP
Channel 7	22268 - 22284 MHz USB LCP
Channel 8	22252 - 22268 MHz LSB LCP
Bandwidth	16 MHz
DAS Mode	Mark5
Station Modes	Tr
Channel 1	22236 - 22252 MHz USB RCP
Channel 2	22220 - 22236 MHz LSB RCP
Channel 3	22236 - 22252 MHz USB LCP
Channel 4	22220 - 22236 MHz LSB LCP
Channel 5	22268 - 22284 MHz USB RCP
Channel 6	22252 - 22268 MHz LSB RCP
Channel 7	22268 - 22284 MHz USB LCP
Channel 8	22252 - 22268 MHz LSB LCP
Bandwidth	16 MHz
DAS Mode	Mark5
Station Modes	Mc Ys Hh Ef
Channel 1	22236 - 22252 MHz USB RCP
Channel 2	22220 - 22236 MHz LSB RCP
Channel 3	22236 - 22252 MHz USB LCP
Channel 4	22220 - 22236 MHz LSB LCP
Channel 5	22268 - 22284 MHz USB RCP
Channel 6	22252 - 22268 MHz LSB RCP
Channel 7	22268 - 22284 MHz USB LCP
Channel 8	22252 - 22268 MHz LSB LCP
Bandwidth	16 MHz
DAS Mode	Mark5
Station Modes	Sv Zc Ho
Channel 1	22236 - 22252 MHz USB RCP
Channel 2	22220 - 22236 MHz LSB RCP
Channel 3	22236 - 22252 MHz USB LCP

Channel 4	22220 - 22236 MHz LSB LCP
Channel 5	22268 - 22284 MHz USB RCP
Channel 6	22252 - 22268 MHz LSB RCP
Channel 7	22268 - 22284 MHz USB LCP
Channel 8	22252 - 22268 MHz LSB LCP
Bandwidth	16 MHz
DAS Mode	Mark5
Station Modes	Ku Ky Kt
Channel 1	22220 - 22236 MHz LSB RCP
Channel 2	22236 - 22252 MHz USB RCP
Channel 3	22220 - 22236 MHz LSB LCP
Channel 4	22236 - 22252 MHz USB LCP
Bandwidth	16 MHz
DAS Mode	Mark5
Station Modes	Gt Pu
Channel 1	22236 - 22252 MHz USB RCP
Channel 2	22220 - 22236 MHz LSB RCP
Channel 3	22236 - 22252 MHz USB LCP
Channel 4	22220 - 22236 MHz LSB LCP
Channel 5	22268 - 22284 MHz USB RCP
Channel 6	22252 - 22268 MHz LSB RCP
Channel 7	22268 - 22284 MHz USB LCP
Channel 8	22252 - 22268 MHz LSB LCP
Bandwidth	16 MHz
DAS Mode	Mark5
Station Modes	Hn Sc Nl Br La Kp Fd Pt Ov Mk Gb Y
Channel 1	22156 - 22188 MHz USB RCP
Channel 2	22156 - 22188 MHz USB LCP
Channel 3	22188 - 22220 MHz USB RCP
Channel 4	22188 - 22220 MHz USB LCP
Channel 5	22220 - 22252 MHz USB RCP
Channel 6	22220 - 22252 MHz USB LCP
Channel 7	22252 - 22284 MHz USB RCP
Channel 8	22252 - 22284 MHz USB LCP
Bandwidth	32 MHz
DAS Mode	Mark5
Station Modes	At Mp Pa
Channel 1	DAS #1 IFP#1-L0 22220 - 22236 MHz LSB RCP
Channel 2	DAS #1 IFP#1-HI 22236 - 22252 MHz USB RCP
Channel 3	DAS #1 IFP#2-L0 22220 - 22236 MHz LSB LCP
Channel 4	DAS #1 IFP#2-HI 22236 - 22252 MHz USB LCP
Channel 5	DAS #2 IFP#1-L0 22252 - 22268 MHz LSB RCP
Channel 6	DAS #2 IFP#1-HI 22268 - 22284 MHz USB RCP
Channel 7	DAS #2 IFP#2-L0 22252 - 22268 MHz LSB LCP
Channel 8	DAS #2 IFP#2-HI 22268 - 22284 MHz USB LCP

DAS 1 Skyfreq	22236 MHz
DAS 2 Skyfreq	22268 MHz
Bandwidth	16 MHz
DAS Mode	16mhz_ul (telescope)
Station Modes	Cd
Channel 1	22220 - 22236 MHz LSB RCP
Channel 2	22236 - 22252 MHz USB RCP
Channel 3	22220 - 22236 MHz LSB LCP
Channel 4	22236 - 22252 MHz USB LCP
Channel 5	22252 - 22268 MHz LSB RCP
Channel 6	22268 - 22284 MHz USB RCP
Channel 7	22252 - 22268 MHz LSB LCP
Channel 8	22268 - 22284 MHz USB LCP
Bandwidth	16 MHz
DAS Mode	Mark5

Setup vla_x_pointing:

Station Modes	Y
Channel 1	8332 - 8460 MHz USB RCP
Channel 2	8332 - 8460 MHz USB LCP
Channel 3	8460 - 8588 MHz USB RCP
Channel 4	8460 - 8588 MHz USB LCP
Bandwidth	128 MHz
DAS Mode	Mark5

Setup ra7mm2:

Station Modes	Ys Ef
Channel 1	43143.25 - 43159.25 MHz USB RCP
Channel 2	43127.25 - 43143.25 MHz LSB RCP
Channel 3	43143.25 - 43159.25 MHz USB LCP
Channel 4	43127.25 - 43143.25 MHz LSB LCP
Channel 5	43175.25 - 43191.25 MHz USB RCP
Channel 6	43159.25 - 43175.25 MHz LSB RCP
Channel 7	43175.25 - 43191.25 MHz USB LCP
Channel 8	43159.25 - 43175.25 MHz LSB LCP
Bandwidth	16 MHz
DAS Mode	Mark5
Station Modes	Ku Ky Kt
Channel 1	43143.25 - 43159.25 MHz USB RCP
Channel 2	43127.25 - 43143.25 MHz LSB RCP
Channel 3	43143.25 - 43159.25 MHz USB LCP
Channel 4	43127.25 - 43143.25 MHz LSB LCP
Bandwidth	16 MHz
DAS Mode	Mark5
Station Modes	Hn Sc Nl Br La Kp Fd Pt Ov Mk Y

Channel 1	43127.25 - 43159.25 MHz USB RCP
Channel 2	43127.25 - 43159.25 MHz USB LCP
Channel 3	43159.25 - 43191.25 MHz USB RCP
Channel 4	43159.25 - 43191.25 MHz USB LCP
Channel 5	43191.25 - 43223.25 MHz USB RCP
Channel 6	43191.25 - 43223.25 MHz USB LCP
Channel 7	43223.25 - 43255.25 MHz USB RCP
Channel 8	43223.25 - 43255.25 MHz USB LCP
Bandwidth	32 MHz
DAS Mode	Mark5

Setup ra2cm2:

Station Modes	Ef
Channel 1	15385 - 15401 MHz USB RCP
Channel 2	15369 - 15385 MHz LSB RCP
Channel 3	15385 - 15401 MHz USB LCP
Channel 4	15369 - 15385 MHz LSB LCP
Channel 5	15417 - 15433 MHz USB RCP
Channel 6	15401 - 15417 MHz LSB RCP
Channel 7	15417 - 15433 MHz USB LCP
Channel 8	15401 - 15417 MHz LSB LCP
Bandwidth	16 MHz
DAS Mode	Mark5
Station Modes	Hn Sc Nl Br La Kp Fd Pt Ov Mk Y
Channel 1	15337 - 15369 MHz USB RCP
Channel 2	15337 - 15369 MHz USB LCP
Channel 3	15369 - 15401 MHz USB RCP
Channel 4	15369 - 15401 MHz USB LCP
Channel 5	15401 - 15433 MHz USB RCP
Channel 6	15401 - 15433 MHz USB LCP
Channel 7	15433 - 15465 MHz USB RCP
Channel 8	15433 - 15465 MHz USB LCP
Bandwidth	32 MHz
DAS Mode	Mark5

Mode changes:

- 39 21:59:49 ra1cm2
- 39 22:51:19 ra7mm2
- 39 22:51:19 ra1cm2
- 40 02:29:49 ra7mm2
- 40 02:35:19 ra1cm2
- 40 02:40:49 ra2cm2
- 40 02:45:19 ra7mm2
- 40 02:50:49 ra1cm2
- 40 02:56:19 ra2cm2
- 40 03:00:49 ra7mm2

40 03:06:49 ra1cm2
40 03:12:19 ra2cm2
40 02:59:49 ra1cm2
40 03:16:30 ra7mm2
40 03:21:49 ra1cm2
40 03:27:19 ra2cm2
40 03:31:49 ra7mm2
40 03:41:19 ra1cm2
40 03:48:19 ra2cm2
40 03:12:00 ra1cm2
40 03:38:49 ra2cm2
40 03:45:49 ra1cm2
40 03:45:49 ra7mm2
40 04:04:49 ra1cm2
40 04:11:49 ra2cm2
40 04:16:19 ra7mm2
40 04:25:49 ra1cm2
40 04:32:49 ra2cm2
40 04:37:19 ra7mm2
40 04:46:49 ra2cm2
40 03:54:49 ra1cm2
40 04:59:49 ra7mm2
40 05:03:00 ra1cm2
40 05:06:00 ra2cm2
40 05:09:00 vla_x_pointing
40 05:35:19 ra1cm2
40 06:05:49 vla_x_pointing
40 06:11:19 ra7mm2
40 06:11:19 ra1cm2
40 06:22:19 ra2cm2
40 06:22:19 ra1cm2
40 07:04:39 vla_x_pointing
40 07:04:49 ra1cm2
40 07:16:49 ra7mm2
40 07:16:49 ra1cm2
40 07:26:49 ra2cm2
40 07:26:49 ra1cm2
40 08:36:39 vla_x_pointing
40 08:40:30 ra7mm2
40 08:48:40 ra1cm2
40 08:56:50 ra2cm2
40 08:35:19 ra1cm2
40 09:06:39 vla_x_pointing
40 09:02:19 ra1cm2
40 09:10:30 ra2cm2
40 09:18:49 ra7mm2
40 09:29:19 ra1cm2
40 09:32:49 vla_x_pointing
40 09:41:49 ra7mm2
40 09:47:49 ra1cm2
40 09:53:49 ra2cm2

40 09:58:49 ra1cm2
40 10:02:49 vla_x_pointing
40 10:06:40 ra7mm2
40 10:13:50 ra1cm2
40 10:21:00 ra2cm2
40 10:04:49 ra1cm2
40 10:31:19 vla_x_pointing
40 10:35:19 ra2cm2
40 10:35:19 ra1cm2
40 10:43:49 ra7mm2
40 10:54:19 ra1cm2
40 11:32:49 vla_x_pointing
40 11:37:49 ra7mm2
40 11:43:49 ra1cm2
40 11:49:19 ra2cm2
40 11:55:49 vla_x_pointing
40 11:59:40 ra7mm2
40 12:07:50 ra1cm2
40 12:16:00 ra2cm2
40 12:25:39 vla_x_pointing
40 11:54:49 ra1cm2
40 12:21:19 ra2cm2
40 12:29:49 ra1cm2
40 13:10:19 ra7mm2
40 13:20:49 ra2cm2
40 13:31:29 vla_x_pointing
40 13:30:19 ra1cm2
40 13:36:19 ra7mm2
40 13:44:19 ra1cm2
40 13:49:59 vla_x_pointing
40 13:54:19 ra1cm2
40 14:24:49 ra7mm2
40 14:24:49 ra1cm2
40 14:54:49 ra7mm2
40 15:00:49 ra1cm2
40 14:54:49 vla_x_pointing
40 14:58:40 ra7mm2
40 15:05:50 ra1cm2
40 15:13:00 ra2cm2
40 15:20:49 vla_x_pointing
40 15:24:49 ra1cm2
40 16:05:49 ra7mm2
40 16:22:19 ra1cm2
40 17:38:49 ra7mm2
40 17:55:49 ra1cm2

Ftp: <ftp://ftp.atnf.csiro.au/pub/people/vlbi/gg083/gg083d>

Comments:

Observing comments for each antenna:

[Jb](#) [Ur](#) [Tr](#) [Mc](#) [Ys](#) [Hh](#) [Sv](#) [Zc](#) [Ku](#) [Ky](#) [Kt](#) [T6](#) [Ef](#) [Gt](#) [Hn](#) [Sc](#) [Nl](#) [Br](#) [La](#) [Kp](#) [Fd](#) [Pt](#) [Ov](#) [Mk](#) [Gb](#) [Y](#) [At](#) [Mp](#) [Cd](#) [Ho](#) [Pa](#) [Pu](#)

Observing Logs

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[Mopra onsource flagging](#)
[Mopra Tsys \(plot\)](#)
[Parkes Tsys](#)

Weather

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Monica log information

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