

gg083j

Description	RadioAstron polarization imaging
Antennas	Jb-Mc-O6-T6-Ur-Tr-Mh-Sv-Zc-Bd-Ku-Ky-Kt-Sr-Cd-Ho-Ys-Hh-Ef-Pu-Nl-Br-La-Kp-Fd-Pt-Ov-Mk-Hn-Sc-Y-Gb-Gt-Mp
Start	116 12:00:00
Stop	117 06:00:00
PI	Jose L. Gomez

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	Nl Br La Kp Fd Pt Ov Mk Hn Sc 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

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	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	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	Nl Br La Kp Fd Pt Ov Mk Hn Sc 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 ra1cm2:

Station Modes	Jb Mc O6 Sr 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	T6 Ur Mh
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	Sv Zc Bd 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	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
Station Modes	Pu Gt
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	Nl Br La Kp Fd Pt Ov Mk Hn Sc Y Gb
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	Mp
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)

Mode changes:

- 116 12:00:00 ra1cm2
- 116 12:51:30 ra7mm2
- 116 12:51:00 ra1cm2
- 116 14:05:00 ra7mm2
- 116 14:04:30 ra1cm2
- 116 15:18:00 ra7mm2
- 116 15:18:00 ra1cm2
- 116 17:10:00 ra7mm2
- 116 17:20:10 ra1cm2
- 116 17:28:20 ra2cm2
- 116 17:34:30 ra7mm2
- 116 17:44:40 ra1cm2

116 17:52:50 ra2cm2
116 17:59:00 ra7mm2
116 18:10:10 ra1cm2
116 18:18:20 ra2cm2
116 18:24:30 ra7mm2
116 18:35:40 ra1cm2
116 18:43:50 ra2cm2
116 18:50:00 ra7mm2
116 19:01:10 ra1cm2
116 19:09:20 ra2cm2
116 19:15:30 ra7mm2
116 19:27:10 ra1cm2
116 19:35:50 ra2cm2
116 17:10:00 ra1cm2
116 18:36:00 ra7mm2
116 18:36:00 ra1cm2
116 18:46:30 ra2cm2
116 18:46:30 ra1cm2
116 19:19:30 ra7mm2
116 19:19:00 ra1cm2
116 19:29:30 ra2cm2
116 19:29:30 ra1cm2
116 19:35:00 ra7mm2
116 19:37:00 ra1cm2
116 19:39:06 ra2cm2
116 19:41:12 vla_x_pointing
116 19:45:00 ra1cm2
116 20:28:30 vla_x_pointing
116 20:32:20 ra7mm2
116 20:39:30 ra1cm2
116 20:46:40 ra2cm2
116 20:26:00 ra7mm2
116 20:25:30 ra1cm2
116 20:38:00 ra2cm2
116 20:38:00 ra1cm2
116 20:57:30 vla_x_pointing
116 20:57:00 ra7mm2
116 21:09:30 ra2cm2
116 20:57:00 ra1cm2
116 21:25:00 vla_x_pointing
116 21:28:30 ra1cm2
116 21:39:30 ra7mm2
116 21:50:00 ra2cm2
116 21:39:30 ra1cm2
116 21:57:30 vla_x_pointing
116 22:01:20 ra7mm2
116 22:08:30 ra1cm2
116 22:15:40 ra2cm2
116 22:25:30 vla_x_pointing
116 22:27:30 ra1cm2
116 22:30:30 ra7mm2

116 22:40:00 ra2cm2
116 22:30:00 ra1cm2
116 22:45:54 vla_x_pointing
116 22:46:00 ra7mm2
116 22:47:00 ra1cm2
116 22:58:30 ra2cm2
116 22:58:30 ra1cm2
116 23:04:30 vla_x_pointing
116 23:04:30 ra1cm2
117 00:15:30 vla_x_pointing
117 00:15:30 ra1cm2
117 01:07:10 vla_x_pointing
117 01:10:00 ra1cm2
117 01:17:30 ra7mm2
117 01:28:30 ra2cm2
117 01:20:00 ra1cm2
117 01:24:00 vla_x_pointing
117 01:26:40 ra7mm2
117 01:34:30 ra1cm2
117 01:42:20 ra2cm2
117 01:52:10 vla_x_pointing
117 01:43:30 ra1cm2
117 02:15:00 ra7mm2
117 02:25:30 ra2cm2
117 02:15:00 ra1cm2
117 02:31:00 vla_x_pointing
117 02:34:30 ra1cm2
117 03:10:00 vla_x_pointing
117 03:12:40 ra1cm2
117 03:17:30 ra2cm2
117 03:27:30 ra1cm2
117 03:27:30 vla_x_pointing
117 03:31:00 ra1cm2
117 04:00:00 ra7mm2
117 04:10:30 ra2cm2
117 04:00:00 ra1cm2
117 04:21:30 vla_x_pointing
117 04:21:30 ra1cm2
117 05:47:00 vla_x_pointing
117 05:46:30 ra7mm2
117 05:46:30 ra1cm2

Ftp: <ftp://ftp.atnf.csiro.au/pub/people/vlbi/gg083/gg083j>

Comments:

Observing comments for each antenna:

Jb	Mc	O6	T6	Ur	Tr	Mh	Sv	Zc	Bd	Ku	Ky	Kt	Sr	Cd	Ho	Ys	Hh	Ef	Pu	Nl	Br	La	Kp	Fd	Pt	Ov	Mk	Hn	Sc	Y	Gb	Gt	Mp
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Observing Logs

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

Weather

[ATCA Weather](#)
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Monica log information

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