

gg081c

Description	RadioAstron AGN polarization imaging
Antennas	Ur-Tr-Sv-Zc-Bd-Mh-Ku-Ky-Kt-At-Mp-Pa-Ho-Cd-Jb-Ef-Mc-Nt-Ys-O6-Pu-Hh-Hn-Sc-Nl-Br-La-Kp-Fd-Pt-Ov-Mk-Gb-Y-Gt-Ro
Start	66 12:59:49
Stop	67 10:00:00
PI	Jose L. Gomez

Setup ra1cm2:

Station Modes	Ur
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
Channel 9	22284 - 22300 MHz LSB RCP
Channel 10	22300 - 22316 MHz USB RCP
Channel 11	22284 - 22300 MHz LSB LCP
Channel 12	22300 - 22316 MHz USB LCP
Channel 13	22316 - 22332 MHz LSB RCP
Channel 14	22332 - 22348 MHz USB RCP
Channel 15	22316 - 22332 MHz LSB LCP
Channel 16	22332 - 22348 MHz USB 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
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
Channel 9	22300 - 22316 MHz USB RCP
Channel 10	22284 - 22300 MHz LSB RCP
Channel 11	22300 - 22316 MHz USB LCP
Channel 12	22284 - 22300 MHz LSB LCP
Channel 13	22332 - 22348 MHz USB RCP
Channel 14	22316 - 22332 MHz LSB RCP
Channel 15	22332 - 22348 MHz USB LCP
Channel 16	22316 - 22332 MHz LSB LCP
Bandwidth	16 MHz
DAS Mode	Mark5
Station Modes	Mh Jb Nt
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
Channel 9	22300 - 22316 MHz USB RCP
Channel 10	22284 - 22300 MHz LSB RCP
Channel 11	22300 - 22316 MHz USB LCP
Channel 12	22284 - 22300 MHz LSB LCP
Channel 13	22332 - 22348 MHz USB RCP
Channel 14	22316 - 22332 MHz LSB RCP
Channel 15	22332 - 22348 MHz USB LCP
Channel 16	22316 - 22332 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	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	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
Bandwidth	16 MHz
DAS Mode	Mark5
Station Modes	Cd
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
Bandwidth	16 MHz
DAS Mode	Mark5
Station Modes	Ef Mc Ys O6 Hh
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
Channel 9	22300 - 22316 MHz USB RCP
Channel 10	22284 - 22300 MHz LSB RCP
Channel 11	22300 - 22316 MHz USB LCP
Channel 12	22284 - 22300 MHz LSB LCP
Channel 13	22332 - 22348 MHz USB RCP
Channel 14	22316 - 22332 MHz LSB RCP
Channel 15	22332 - 22348 MHz USB LCP
Channel 16	22316 - 22332 MHz LSB 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

Channel 9	22300 - 22316 MHz USB RCP
Channel 10	22284 - 22300 MHz LSB RCP
Channel 11	22300 - 22316 MHz USB LCP
Channel 12	22284 - 22300 MHz LSB LCP
Channel 13	22332 - 22348 MHz USB RCP
Channel 14	22316 - 22332 MHz LSB RCP
Channel 15	22332 - 22348 MHz USB LCP
Channel 16	22316 - 22332 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	22220 - 22252 MHz USB RCP
Channel 2	22220 - 22252 MHz USB LCP
Channel 3	22252 - 22284 MHz USB RCP
Channel 4	22252 - 22284 MHz USB LCP
Channel 5	22284 - 22316 MHz USB RCP
Channel 6	22284 - 22316 MHz USB LCP
Channel 7	22316 - 22348 MHz USB RCP
Channel 8	22316 - 22348 MHz USB LCP
Bandwidth	32 MHz
DAS Mode	Mark5
Station Modes	Ro
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
Channel 9	22284 - 22300 MHz LSB RCP
Channel 10	22300 - 22316 MHz USB RCP
Channel 11	22284 - 22300 MHz LSB LCP
Channel 12	22300 - 22316 MHz USB LCP
Channel 13	22316 - 22332 MHz LSB RCP
Channel 14	22332 - 22348 MHz USB RCP
Channel 15	22316 - 22332 MHz LSB LCP
Channel 16	22332 - 22348 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 ra2cm2:

Station Modes	Ef
Channel 1	15353 - 15369 MHz USB RCP
Channel 2	15337 - 15353 MHz LSB RCP
Channel 3	15353 - 15369 MHz USB LCP
Channel 4	15337 - 15353 MHz LSB LCP
Channel 5	15385 - 15401 MHz USB RCP
Channel 6	15369 - 15385 MHz LSB RCP
Channel 7	15385 - 15401 MHz USB LCP
Channel 8	15369 - 15385 MHz LSB LCP
Channel 9	15417 - 15433 MHz USB RCP
Channel 10	15401 - 15417 MHz LSB RCP
Channel 11	15417 - 15433 MHz USB LCP
Channel 12	15401 - 15417 MHz LSB LCP
Channel 13	15449 - 15465 MHz USB RCP
Channel 14	15433 - 15449 MHz LSB RCP
Channel 15	15449 - 15465 MHz USB LCP
Channel 16	15433 - 15449 MHz LSB LCP
Bandwidth	16 MHz
DAS Mode	Mark5
Station Modes	Hn Sc Nl Br La Kp Fd Pt Ov Mk
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 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	Ef Ys
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
Channel 9	43207.25 - 43223.25 MHz USB RCP
Channel 10	43191.25 - 43207.25 MHz LSB RCP
Channel 11	43207.25 - 43223.25 MHz USB LCP
Channel 12	43191.25 - 43207.25 MHz LSB LCP
Channel 13	43239.25 - 43255.25 MHz USB RCP
Channel 14	43223.25 - 43239.25 MHz LSB RCP
Channel 15	43239.25 - 43255.25 MHz USB LCP
Channel 16	43223.25 - 43239.25 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

Mode changes:

- 66 12:59:49 ra1cm2
- 66 20:03:19 ra7mm2
- 66 17:35:19 ra1cm2
- 66 20:16:49 ra7mm2
- 66 20:24:49 ra1cm2
- 66 20:30:49 ra7mm2
- 66 20:38:49 ra1cm2
- 66 20:44:49 ra7mm2
- 66 20:52:49 ra1cm2
- 66 20:58:49 ra7mm2
- 66 21:06:49 ra1cm2
- 66 21:10:49 ra7mm2
- 66 21:18:49 ra1cm2
- 66 21:24:49 ra7mm2
- 66 21:32:49 ra1cm2
- 66 21:38:49 ra7mm2

66 21:46:49 ra1cm2
66 21:52:49 ra7mm2
66 22:00:49 ra1cm2
66 22:06:49 ra7mm2
66 22:14:49 ra1cm2
66 22:20:49 ra7mm2
66 22:28:49 ra1cm2
66 22:34:49 ra7mm2
66 22:42:49 ra1cm2
66 22:48:49 ra7mm2
66 22:56:49 ra1cm2
66 23:02:49 ra7mm2
66 23:10:49 ra1cm2
66 23:16:49 ra7mm2
66 23:24:49 ra1cm2
66 23:30:49 ra7mm2
66 23:38:49 ra1cm2
66 21:18:30 ra7mm2
66 21:26:19 ra2cm2
66 21:32:19 ra7mm2
66 21:40:19 ra2cm2
66 21:46:19 ra7mm2
66 21:54:19 ra2cm2
66 22:00:19 ra1cm2
66 23:45:19 ra7mm2
66 23:53:19 ra1cm2
66 23:59:19 ra7mm2
67 00:07:19 ra1cm2
67 00:13:19 ra7mm2
67 00:21:19 ra1cm2
67 00:27:19 ra7mm2
67 00:35:19 ra1cm2
67 00:01:00 ra7mm2
67 00:02:00 vla_x_pointing
67 00:15:19 ra1cm2
67 00:45:49 ra7mm2
67 00:53:49 ra1cm2
67 00:59:49 ra7mm2
67 01:07:49 ra1cm2
67 01:13:49 ra7mm2
67 01:21:49 ra1cm2
67 01:27:49 ra7mm2
67 01:35:49 ra1cm2
67 01:41:49 ra7mm2
67 01:49:49 ra1cm2
67 01:55:49 ra7mm2
67 02:03:49 ra1cm2
67 02:09:49 ra7mm2
67 02:17:49 ra1cm2
67 02:23:49 ra7mm2
67 02:31:49 ra1cm2

67 02:37:49 ra7mm2
67 02:45:49 ra1cm2
67 02:51:49 ra7mm2
67 02:59:49 ra1cm2
67 03:05:49 ra7mm2
67 03:13:49 ra1cm2
67 00:57:49 ra2cm2
67 00:57:49 ra1cm2
67 00:57:49 vla_x_pointing
67 01:06:49 ra7mm2
67 01:06:19 ra1cm2
67 02:07:19 vla_x_pointing
67 02:16:49 ra2cm2
67 02:16:49 ra1cm2
67 02:27:19 ra7mm2
67 02:27:19 ra1cm2
67 02:50:49 ra2cm2
67 02:50:49 ra1cm2
67 02:50:49 vla_x_pointing
67 02:52:49 ra1cm2
67 03:08:49 ra7mm2
67 03:08:49 ra1cm2
67 03:09:49 vla_x_pointing
67 03:09:49 ra1cm2
67 03:20:19 ra7mm2
67 03:28:19 ra1cm2
67 03:34:19 ra7mm2
67 03:42:19 ra1cm2
67 03:48:19 ra7mm2
67 03:55:19 ra1cm2
67 04:30:49 ra2cm2
67 04:30:49 vla_x_pointing
67 04:30:49 ra1cm2
67 04:51:19 ra7mm2
67 04:51:19 ra1cm2
67 05:32:19 vla_x_pointing
67 05:32:19 ra1cm2
67 06:22:19 ra7mm2
67 06:29:59 ra2cm2
67 06:24:49 ra1cm2
67 06:33:49 vla_x_pointing
67 06:37:40 ra7mm2
67 06:45:10 ra1cm2
67 06:54:59 vla_x_pointing
67 06:59:49 ra1cm2
67 08:00:19 ra2cm2
67 08:00:19 vla_x_pointing
67 08:09:49 ra7mm2
67 08:19:49 ra1cm2
67 08:39:49 vla_x_pointing
67 08:47:30 ra7mm2

67 08:55:00 ra1cm2
67 09:04:49 vla_x_pointing
67 08:39:49 ra1cm2
67 09:08:19 ra2cm2
67 09:08:19 vla_x_pointing
67 09:17:49 ra7mm2
67 09:27:49 ra1cm2
67 09:46:40 ra2cm2
67 09:51:50 ra7mm2
67 09:39:19 vla_x_pointing
67 09:47:00 ra7mm2
67 09:54:30 ra1cm2

Ftp: <ftp://ftp.atnf.csiro.au/pub/people/vlbi/gg081/gg081c>

Comments:

Observing comments for each antenna:

Ur	Tr	Sv	Zc	Bd	Mh	Ku	Ky	Kt	At	Mp	Pa	Ho	Cd	Jb	Ef	Mc	Nt	Ys	O6	Pu	Hh	Hn	Sc	Nl	Br	La	Kp	Fd	Pt	Ov	Mk	Gb	Y	Gt	Ro
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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 - EXPERIMENTAL:

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