

## bk193a

<b>Description</b>	Substructure in the Scattering Disc of SgrA*
<b>Antennas</b>	Sc-Hn-NI-Fd-La-Pt-Kp-Ov-Br-Mk-Gb-Y-Gt-At-Mp-Ho-Cd-Ky-Ku-Kt-T6
<b>Start</b>	255 23:00:00
<b>Stop</b>	256 12:00:00
<b>PI</b>	M. Johnson

Setup ra1cm:

<b>Station Modes</b>	Sc Hn NI Fd La Pt Kp Ov Br Mk Gb Y
<b>Channel 1</b>	22140 - 22204 MHz USB RCP
<b>Channel 2</b>	22140 - 22204 MHz USB LCP
<b>Channel 3</b>	22204 - 22268 MHz USB RCP
<b>Channel 4</b>	22204 - 22268 MHz USB LCP
<b>Channel 5</b>	22268 - 22332 MHz USB RCP
<b>Channel 6</b>	22268 - 22332 MHz USB LCP
<b>Channel 7</b>	22332 - 22396 MHz USB RCP
<b>Channel 8</b>	22332 - 22396 MHz USB LCP
<b>Bandwidth</b>	64 MHz
<b>DAS Mode</b>	Mark5
<b>Station Modes</b>	Gt
<b>Channel 1</b>	22220 - 22236 MHz LSB RCP
<b>Channel 2</b>	22236 - 22252 MHz USB RCP
<b>Channel 3</b>	22220 - 22236 MHz LSB LCP
<b>Channel 4</b>	22236 - 22252 MHz USB LCP
<b>Bandwidth</b>	16 MHz
<b>DAS Mode</b>	Mark5

NIF=1

<b>Station Modes</b>	At Mp
<b>Channel 1</b>	DAS #1 IFP#1 22140 - 22204 MHz LSB RCP
<b>Channel 2</b>	DAS #1 IFP#2 22204 - 22268 MHz USB RCP
<b>Channel 3</b>	DAS #2 IFP#1 22204 - 22268 MHz USB LCP
<b>Channel 4</b>	DAS #2 IFP#2 22140 - 22204 MHz LSB LCP
<b>DAS 1 Skyfreq</b>	22172 MHz
<b>DAS 2 Skyfreq</b>	22236 MHz
<b>Bandwidth</b>	64 MHz
<b>DAS Mode</b>	64MHz_[nf].pro ( <a href="#">telescope</a> )

NIF=1

<b>Station Modes</b>	Ho Cd
<b>Channel 1</b>	IFP#1 22204 - 22268 MHz USB RCP
<b>Channel 2</b>	IFP#2 22204 - 22268 MHz USB LCP
<b>DAS 1 Skyfreq</b>	22236 MHz

<b>Bandwidth</b>	64 MHz
<b>DAS Mode</b>	64MHz_[nf].pro ( <a href="#">telescope</a> )
<b>Station Modes</b>	Ky Ku Kt
<b>Channel 1</b>	22140 - 22204 MHz LSB RCP
<b>Channel 2</b>	22204 - 22268 MHz USB RCP
<b>Channel 3</b>	22140 - 22204 MHz LSB LCP
<b>Channel 4</b>	22204 - 22268 MHz USB LCP
<b>Bandwidth</b>	64 MHz
<b>DAS Mode</b>	Mark5
<b>Station Modes</b>	T6
<b>Channel 1</b>	22140 - 22172 MHz USB LCP
<b>Channel 2</b>	22172 - 22204 MHz USB LCP
<b>Channel 3</b>	22204 - 22236 MHz USB LCP
<b>Channel 4</b>	22236 - 22268 MHz USB LCP
<b>Bandwidth</b>	32 MHz
<b>DAS Mode</b>	Mark5

Setup vla\_x\_pointing:

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

**Mode changes:**

- 255 23:00:00 ra1cm
- 255 23:01:00 vla\_x\_pointing
- 255 23:11:53 ra1cm
- 255 23:17:09 vla\_x\_pointing
- 255 23:19:55 ra1cm
- 255 23:25:34 vla\_x\_pointing
- 255 23:25:40 ra1cm
- 256 01:14:00 vla\_x\_pointing
- 256 01:17:00 ra1cm
- 256 01:25:00 vla\_x\_pointing
- 256 01:25:00 ra1cm

Ftp: <ftp://ftp.atnf.csiro.au/pub/people/vlbi/radioastron/bk193a>

**Comments:**

## Observing comments for each antenna:

[Sc](#) [Hn](#) [NI](#) [Fd](#) [La](#) [Pt](#) [Kp](#) [Ov](#) [Br](#) [Mk](#) [Gb](#) [Y](#) [Gt](#) [At](#) [Mp](#) [Ho](#) [Cd](#) [Ky](#) [Ku](#) [Kt](#) [T6](#)

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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](#)  
[Mopra Weather](#)  
[Parkes Weather](#)

## Monica log information - EXPERIMENTAL:

[Mopra Tsys](#)  
[Parkes Tsys](#)  
[ATCA Tsys](#)

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