

V252 Setup for AuScope sites

Desired setup:

```

Channel 1 IFP#1-LO 8409 - 8425 MHz USB RCP
Channel 2 IFP#1-HI 8425 - 8441 MHz USB RCP
Channel 3 IFP#2-LO 8441 - 8457 MHz USB RCP
Channel 4 IFP#2-HI 8457 - 8473 MHz USB RCP
Channel 5 IFP#1-LO 8409 - 8425 MHz USB LCP
Channel 6 IFP#1-HI 8425 - 8441 MHz USB LCP
Channel 7 IFP#2-LO 8441 - 8457 MHz USB LCP
Channel 8 IFP#2-HI 8457 - 8473 MHz USB LCP

```

DBBC Astro or Geo mode will set the first 8 IFs (4 from CoMo A, 4 from CoMo B) the same. Channel mapping is shown at the end of this page.

So for this experiment, CoMo A will be set up for RCP, B for LCP. CoMo A has RCP on input 1, CoMo B and LCP on input 1. (Here's the [DBBC back-end wiring schematic](#) for AuScope sites). So DBBC commands should be:

```
dbbcifa=1,agc,1 dbbcifb=1,agc,1 dbbcform=astro
```

The remaining DBBCs are not used so go with default

```
dbbcifc=2,agc,2 dbbcifd=2,agc,2
```

First LO is 7600 MHz, so frequencies to configure:

CoMo A:

```

809.00 16 R
825.00 16 R
841.00 16 R
857.00 16 R

```

CoMo B:

```

809.00 16 L
825.00 16 L
841.00 16 L
857.00 16 L

```

Remaining DBBC CoMos are not used so we'll set them all to 300 MHz.

Channel Mapping for the DBBC:

CoMo ID/output	Mk4 sampler output	DBBC VSI Output	
		Astro	Geo
A/1	1 USB Sign	0	0

A/1	1 USB Mag	1	1
A/2	2 USB Sign	2	2
A/2	2 USB Mag	3	3
A/3	3 USB Sign	4	4
A/3	3 USB Mag	5	5
A/4	4 USB Sign	6	6
A/4	4 USB Mag	7	7
B/1	5 USB Sign	8	8
B/1	5 USB Mag	9	9
B/2	6 USB Sign	10	10
B/2	6 USB Mag	11	11
B/3	7 USB Sign	12	12
B/3	7 USB Mag	13	13
B/4	8 USB Sign	14	14
B/4	8 USB Mag	15	15
A/1	1 LSB Sign	16	16
A/1	1 LSB Mag	17	17
A/2	2 LSB Sign	18	
A/2	2 LSB Mag	19	
A/3	3 LSB Sign	20	
A/3	3 LSB Mag	21	
A/4	4 LSB Sign	22	
A/4	4 LSB Mag	23	
B/1	5 LSB Sign	24	
B/1	5 LSB Mag	25	
B/2	6 LSB Sign	26	
B/2	6 LSB Mag	27	
B/3	7 LSB Sign	28	
B/3	7 LSB Mag	29	
B/4	8 LSB Sign	30	18
B/4	8 LSB Mag	31	19
C/1	9 USB Sign		20
C/1	9 USB Mag		21
C/2	10 USB Sign		22
C/2	10 USB Mag		23
C/3	11 USB Sign		24
C/3	11 USB Mag		25
C/4	12 USB Sign		26
C/4	12 USB Mag		27
D/1	13 USB Sign		28
D/1	13 USB Mag		29
D/2	14 USB Sign		30
D/2	14 USB Mag		31
D/3	15 USB Sign		

D/3	15 USB Mag		
D/4	16 USB Sign		
D/4	16 USB Mag		

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