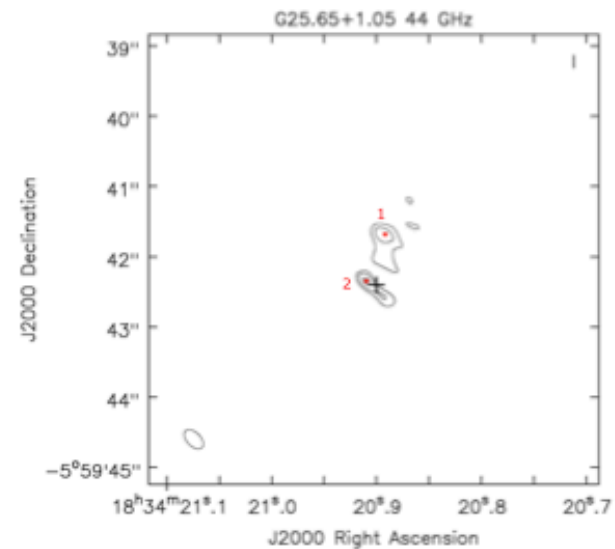
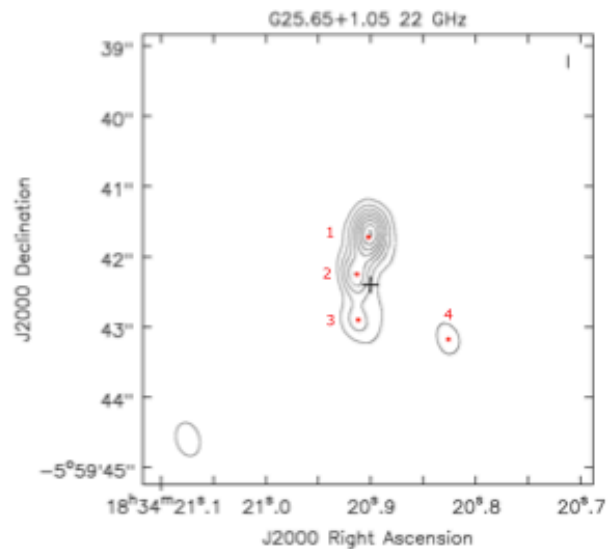
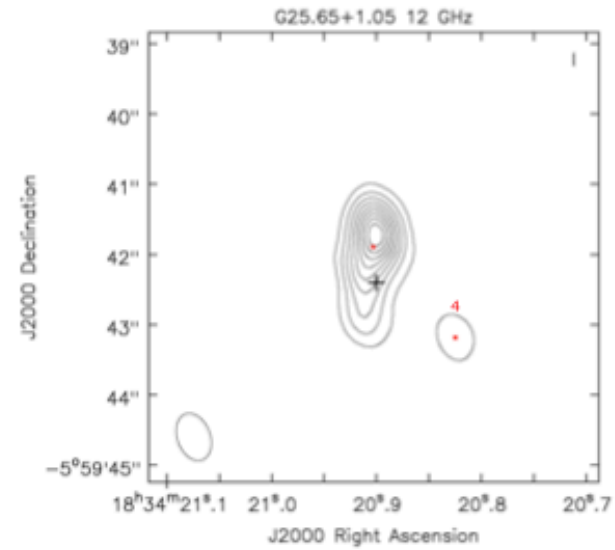
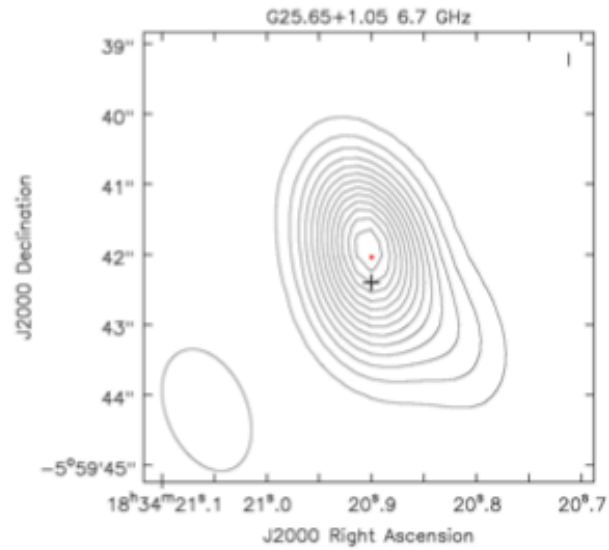
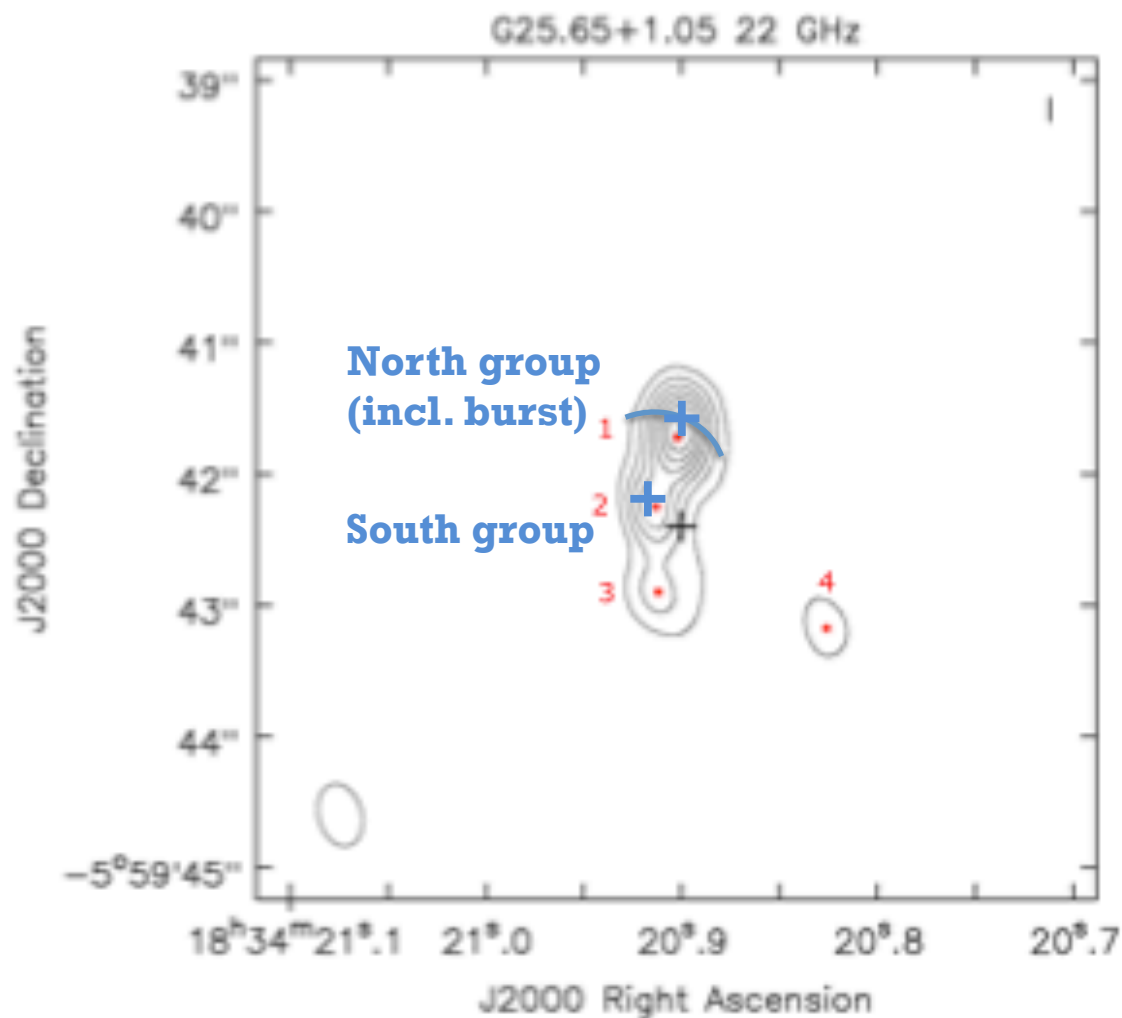


G25 continuum - VLA



G25 continuum - VLA



- Negative spectral index
- H₂O masers trace shocks
- Morphology: arc

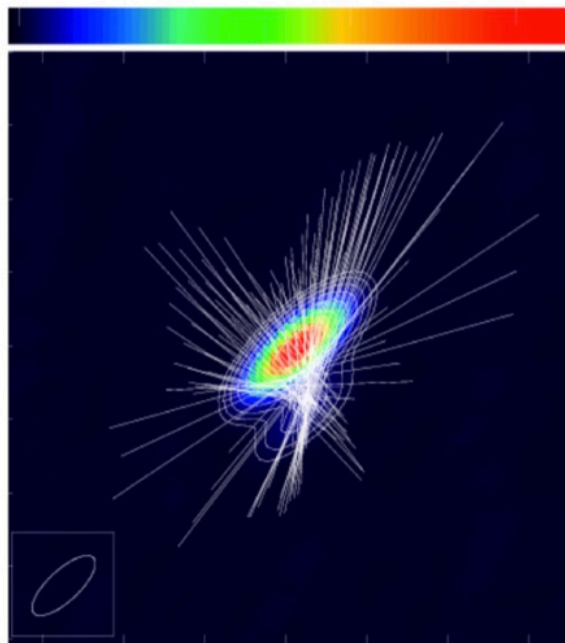
Interpretation

Bursting maser group
associate w/ young shock
driven from VLA 2

Polarisation: Calibration (cont.)

Before

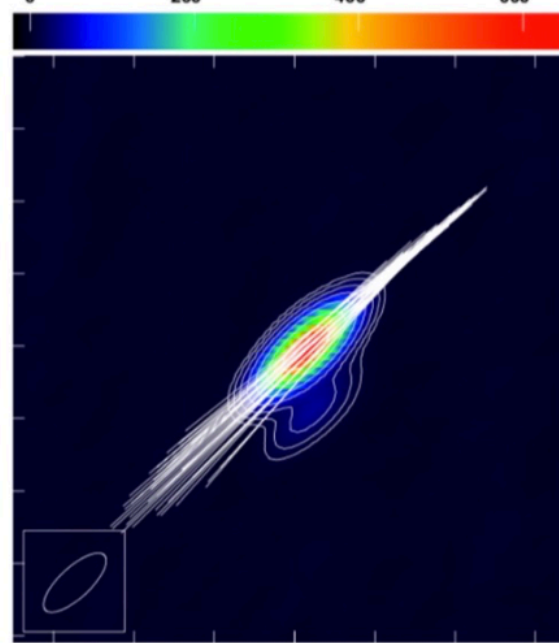
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 0 200 400 600



.2920 43.2918 43.2916 43.2914 43.2912 43.2910 43.2908
 Right Ascension (J2000)
 Grey scale flux range = -17.1 688.2 MilliJY/BEAM
 Cont peak flux = 6.8822E-01 JY/BEAM
 Levs = 3.579E-03 * (2, 4, 8, 16, 32, 64, 128, 256, 512)
 Pol line 1 milli arcsec = 1.5625E-04 JY/BEAM
 Pol. line rotated by 88.0 degrees

After

Plot file version 1 created 07-JUN-2018 21:58:57
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3.2920 43.2918 43.2916 43.2914 43.2912 43.2910 43.2908
 Right Ascension (J2000)
 Grey scale flux range = -17.1 688.2 MilliJY/BEAM
 Cont peak flux = 6.8822E-01 JY/BEAM
 Levs = 3.579E-03 * (2, 4, 8, 16, 32, 64, 128, 256, 512)
 Pol line 1 milli arcsec = 6.2500E-04 JY/BEAM
 Pol. line rotated by 88.0 degrees

J2202+4216
 (BL Lac)

D-term calibrator

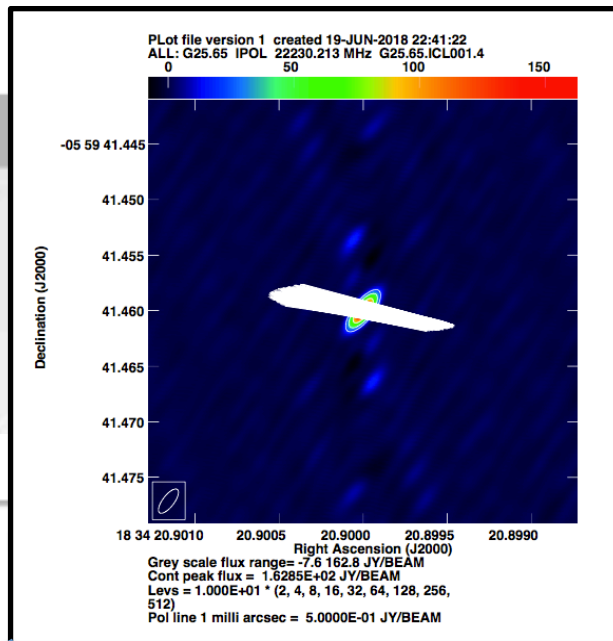
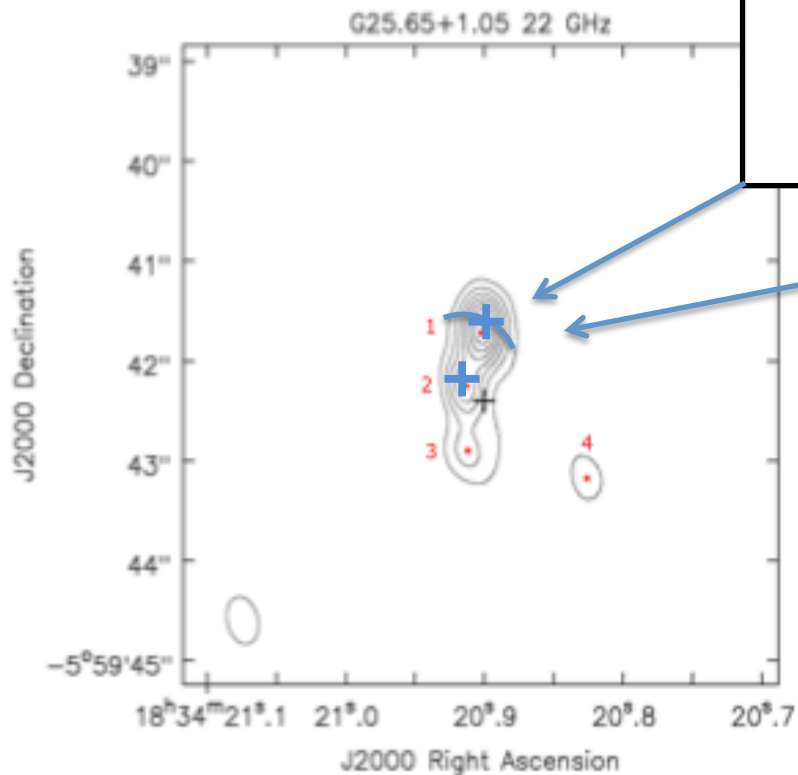
Delay calibrator

Gain selfcal

No EVPA cal yet

EVN pol. cal.
successful

22 GHz water maser polarisation in the North group

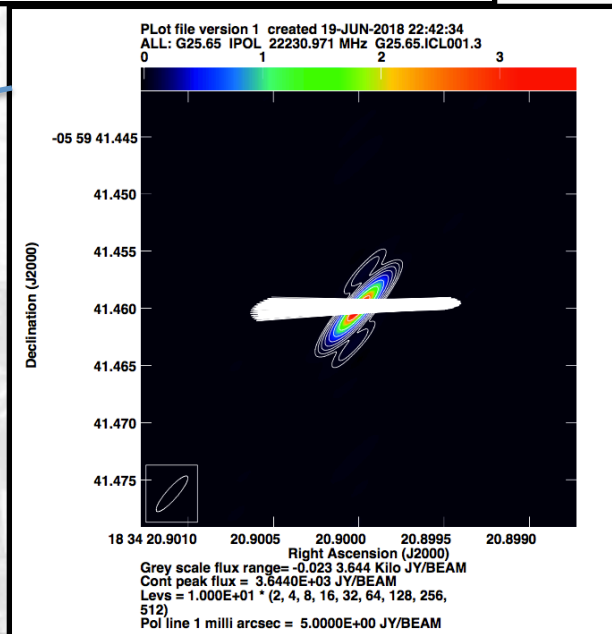


Regular maser

Stokes Q
8 Jy

Stokes I
160 Jy

5% Linear
polarisation



Super burst

Stokes Q
90 Jy

Stokes I
3600 Jy

2.5% Linear
polarisation

What next?

Rich data set has far more to be explored...

**Polarisation
evolution**

- **Flux evolution**
- **Proper motion**

Multi-scale

EVN (K)
2nd Oct '17

KaVA (K,Q)
11th Oct '17

VLBA (K)
28th Oct '17

VLA
(C,Ku,K,Q)
9th Dec '17

+Polarisation

+Polarisation

