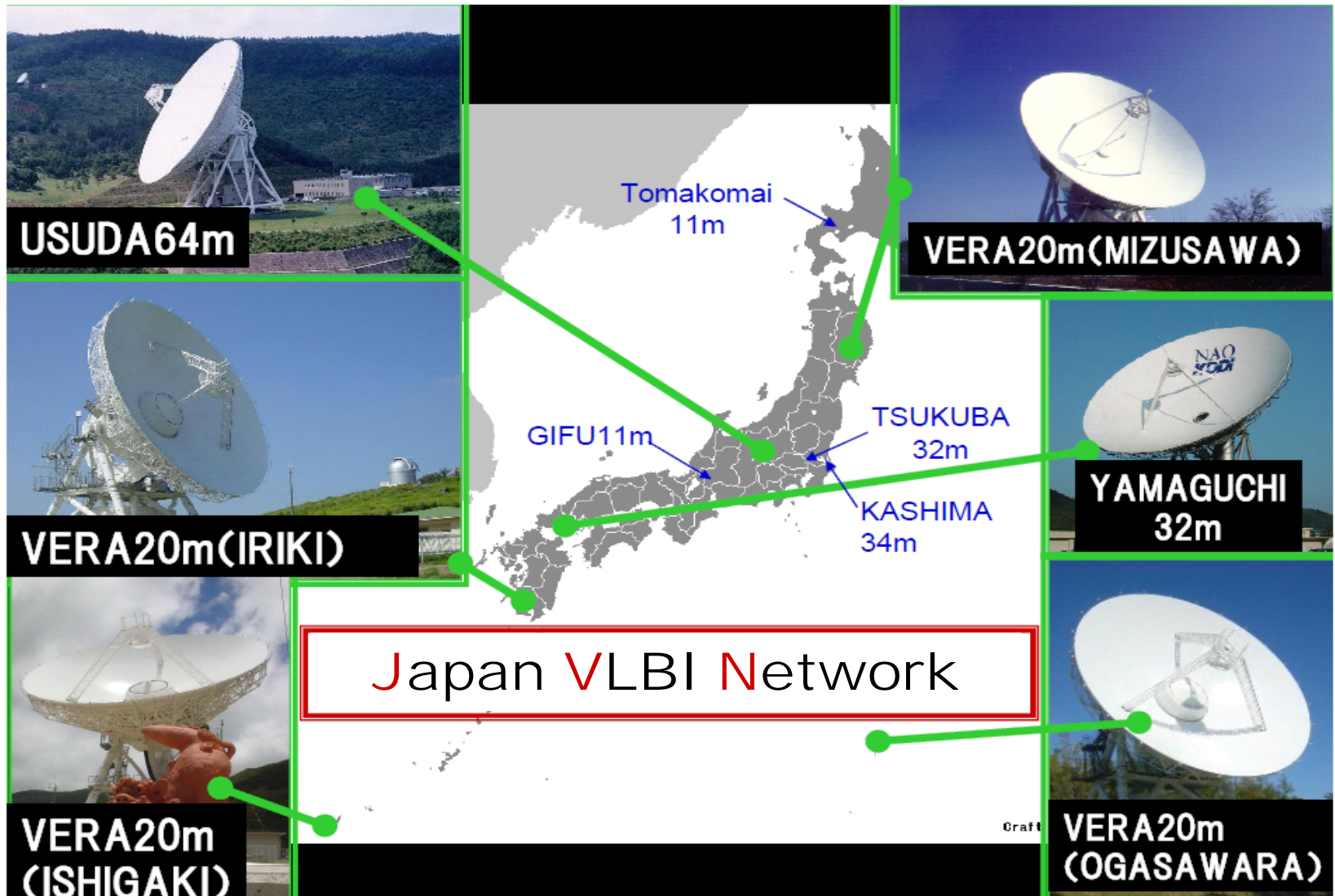


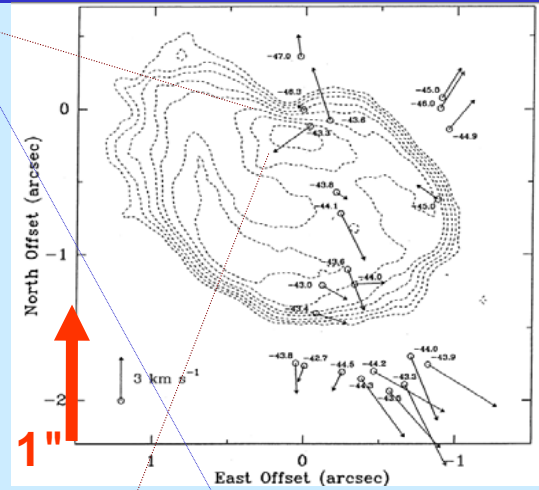
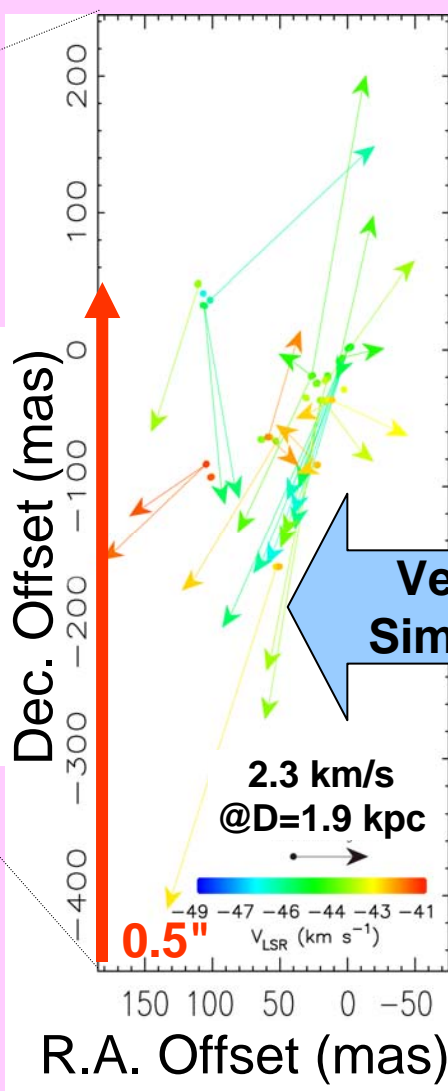
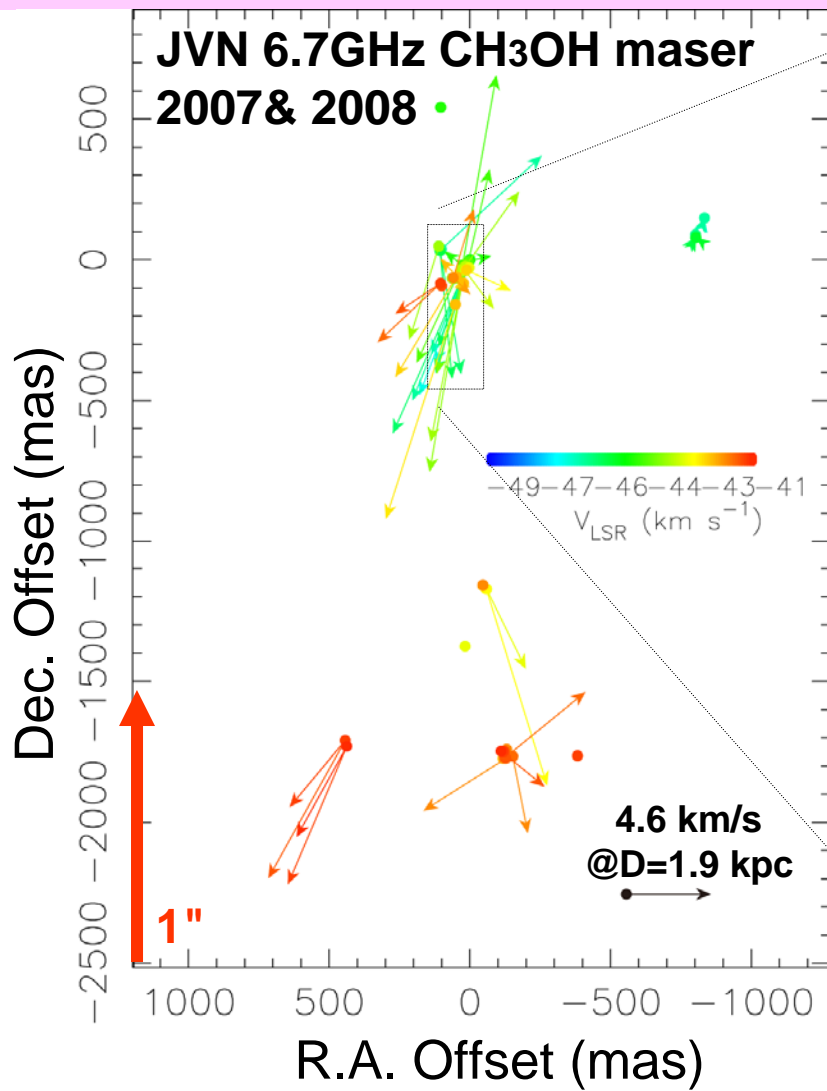
Astrometric Observations of 6.7GHz Methanol Masers toward W3(OH) with JVN

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Y. ISONO (Nagoya University), **M. HONMA** (NAOJ), **K. FUJISAWA** (Yamaguchi University)

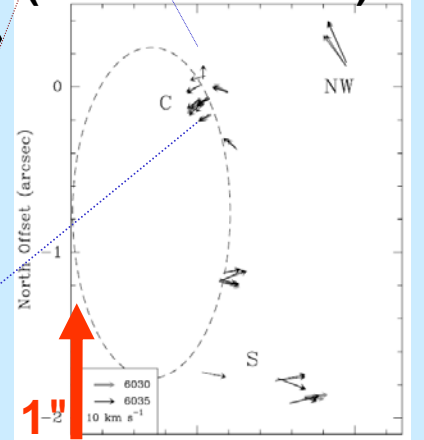


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OH maser 1978 & 1986
(Bloemhof+1992)



OH maser 1994 & 2006
(Fish+2007)

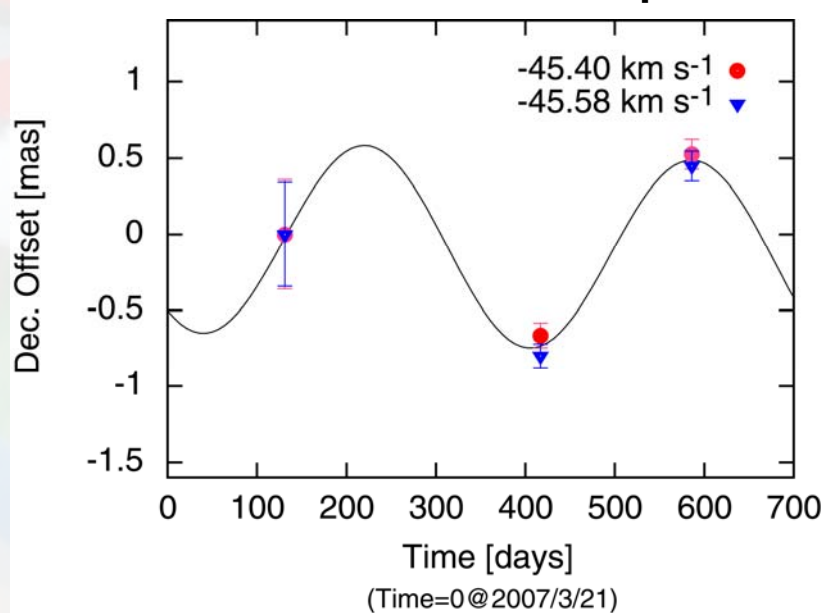
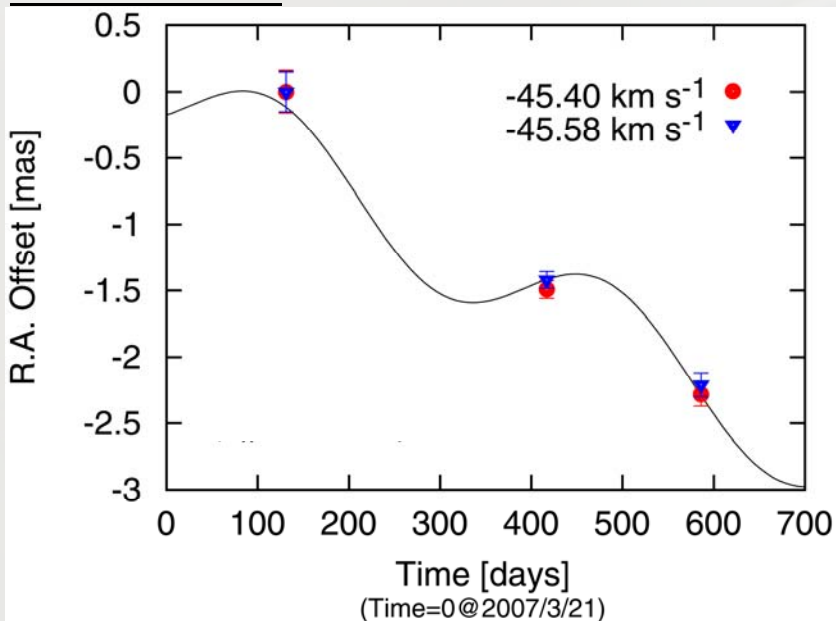
Preliminary results

Astronomical Observations of 6.7GHz Methanol toward W3(OH) with JVN

MATSUMOTO (The Graduate University for Advanced Studies, Japan),
MISONO (Nagoya University), M. HONMA (NAOJ), K. FUJISAWA (Yamaguchi University)

Our results:

✖No calibration of ionospheric delays.



$$\begin{aligned} \pi &= 0.441 \pm 0.084 \text{ mas} \\ (D &= 2.27^{+0.54}_{-0.36} \text{ kpc}) \\ \mu_x &= -1.38 \pm 0.03 \text{ mas/yr} \end{aligned}$$

Likely values

$$\begin{aligned} \pi &= 0.664 \pm 0.030 \text{ mas} \\ (D &= 1.51 \pm 0.07 \text{ kpc}) \\ \mu_y &= -0.096 \pm 0.02 \text{ mas/yr} \end{aligned}$$

12GHz methanol maser with VLBA (Xu et al. 2006):

$$\pi = 0.512 \pm 0.007 \text{ mas} \quad (D = 1.95 \pm 0.04 \text{ kpc})$$

$$\mu_x = -1.204 \pm 0.02 \text{ mas/yr}, \quad \mu_y = -0.147 \pm 0.01 \text{ mas/yr}$$