

Tomoaki Oyama,(NAOJ)

KVN+VERA SWG Topics: GC

- SgrA*: long term variability with dense monitor and Multi wave length observations by Akiyama-san
 - Annual parallax
- CND and CMZ: Dynamics by measuring proper motions of H2O and SiO masers by Kim-san and Oyama
- From bar to bulge: SiO maser proper motions by Matumoto-san

GC Sub WG

Status

- Member
 - Japan : Oyama, Matuoto, Akiyama from WG talk, (several persons will join, still un)
 - Korea: Kim Sungsoo, Miyazaki, Sohn Bong Won, Lee Sang-Sung
- have not held face to face meeting.
- Prepare material (the results of progress KJJVC and test observations)
- Summarize past observations with VERA and test observations with KVN+VERA

Topic (GC Sub WG)

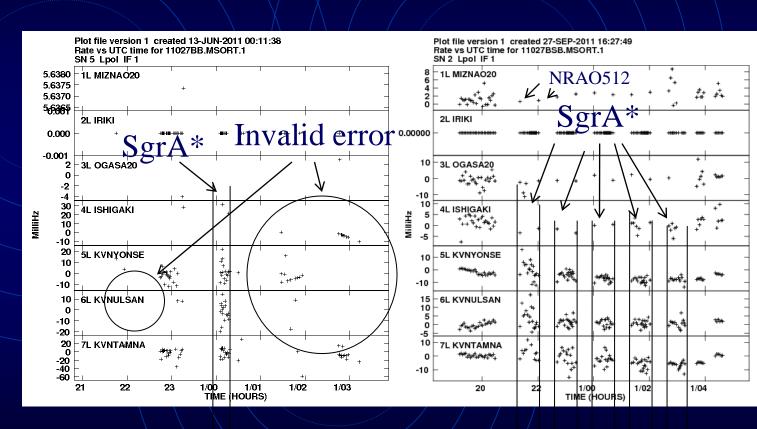
- Efficient scheduling and policy of sharing data (Sgr A* as calibrator and target)
- Definition and Strategy of scientific goals
- Test observations of Sgr A* and calibrator (strongly need to 1Gbps observations)
- Flux monitoring of masers with single dish observations.
- The method and test of simultaneous switching(KVN) and 2beam(VERA) phase referencing observations (astrometry WG)

Sgr A* fringes with KVN+VERA at 1Gbps observatins! Latest results of KJJVC test observation (r11027b) k-band

- KJJVC evaluation test observation (compare mitaka-FX and KJJVC)
- Sgr B2, Sgr A*, J1745-
- Correlation: Mitaka-FX
- K-band
- IRK+KVN
 First good fringes of Sgr A*!
- Bug fix
 (Mark5 header error)

 (RVDB bus error)

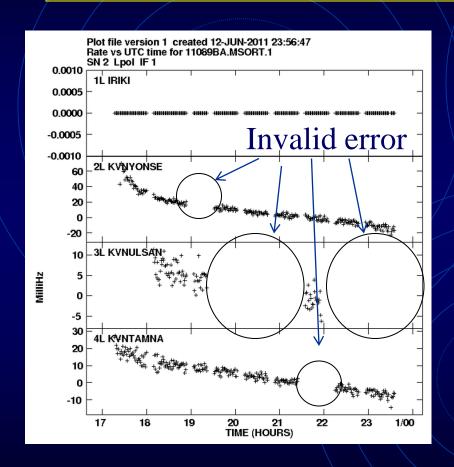
We can use this data to compare Mitaka-FX and KJJVC now!

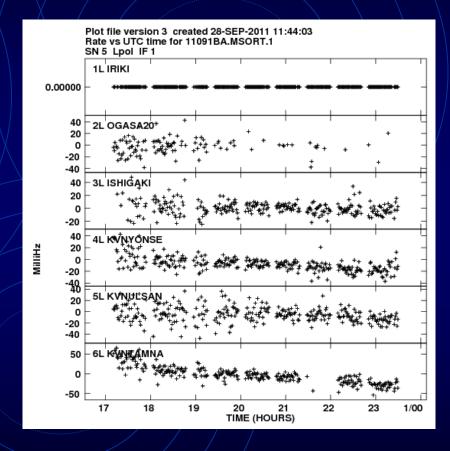


Reported 2011/6 SWG

Latest results

Sgr A* fringes with KVN+VERA at 1Gbps observatins! Latest results of SgrA* camp observation (r11091b) Q-band

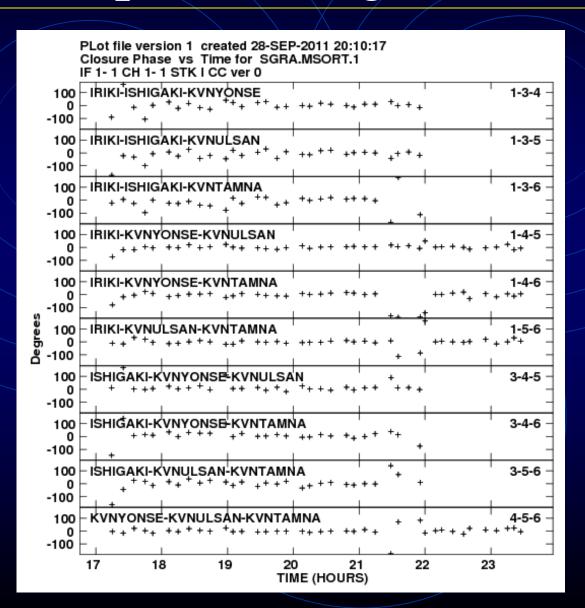




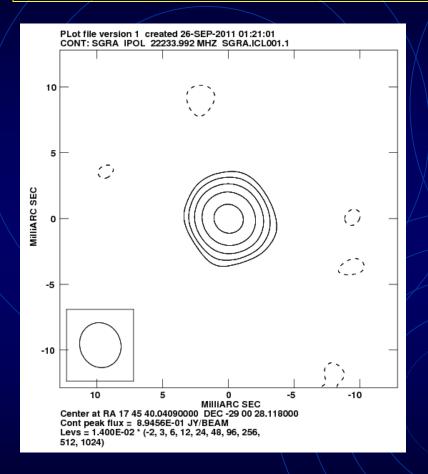
Reported 2011/6 SWG

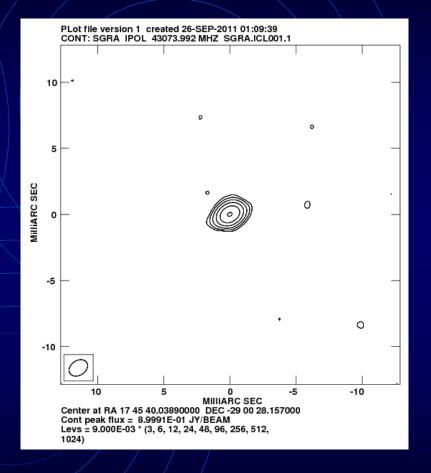
Latest results

Closure phase of Sgr A* Q-band



Images of Sgr A*, K and Q band with KVN+VEAR





K-band(KJJVC test obs r11027b)

Q-band (SgrA* camp r11091b)

Sgr A* is a good source for demonstration of performance of KVN+VERA

Sumary

• start meeting ASAP with the results of test observations and past VERA and VLBI observations.

• GC sub WG hope to observe at 1Gbps and use KJJVC regulally!