

KOREAN VLBI NETWORK OBSERVING APPLICATION

VLBI

Proposal ID: 2023A-00

Received Date: 2022/ /

TERM: 2023A

1. Title of proposal: PROJECT NAME HERE

2. Authors: (PI on the 1st line)

Name	E-mail	Institution/Country	Student
Name of author 1	E-mail of author 1	Institution of author 1	No
Name of author 2	E-mail of author 2	Institution of author 2	No
Name of author 3	E-mail of author 3	Institution of author 3	No

***If any student is involved, please give the following information.**

M.S. Ph.D For thesis? Yes No

3. Contact author:

Name: your-name-here E-mail: your-email-here Phone: +XX-XXX-XXX-XXXX FAX: +XX-XXX-XXX-XXXX

4. Staff support:

– Observing setup: None Consultation Extensive help
 – Post processing: None Consultation Extensive help

5. Proposal type:

KVN+Sejong (Shared risk mode) Joint proposal (If joint, network name:)
 Resubmission Related previous/current proposal ID:

6. Scientific categories:

Galactic Extragalactic Astrometry Geodesy Radio transient and pulsars
 AGN Maser Galactic center Star Formation Evolved star

7. Observing type:

Continuum Spectral line Phase referencing Polarimetry
 Survey Multi-frequency Target of opportunity

8. Observing frequency and polarization:

22GHz 43GHz 86GHz 129GHz
 Single polarization Dual polarization • Note that Sejong is available at 22/43 GHz (1/2Gbps) only.

9. Observing sessions:

single epoch multiple epochs
 – Total time requested: 100 hrs
 – Number of sessions: 10; Number of hour each: 10 hrs; Separation: 10 days
 – Min/Max LST (HH:MM:SS): hh1:mm1:ss1 – hh2:mm2:ss2
 – Preferred range of dates or dates which are NOT acceptable:

10. Abstract (200 words max, 10 point)

Sample abstract

Title of Proposal: PROJECT NAME HERE

11. Disk usage (recording time/total time): 0.8								
12. Recording bandwidth: <input type="checkbox"/> 16MHz <input type="checkbox"/> 32MHz <input type="checkbox"/> 64MHz <input type="checkbox"/> 128MHz <input type="checkbox"/> 256MHz <input type="checkbox"/> 512MHz <input type="checkbox"/> 1024MHz								
Recording rate: <input type="checkbox"/> 512Mbps <input type="checkbox"/> 1Gbps <input type="checkbox"/> 2Gbps <input type="checkbox"/> 4Gbps <input type="checkbox"/> 8Gbps <input type="checkbox"/> 16Gbps <input type="checkbox"/> 32Gbps								
13. Spectroscopy only (if you observe more than 4 lines, please attach the additional line information in a separate sheet.)								
Items	Line 1	Line 2	Line 3	Line 4				
transitions to be observed	SiO(J=1→0)	SiO(J=1→0)	SiO(J=1→0)	SiO(J=1→0)				
velocity range in LSR (km s ⁻¹)								
channel bandwidth (kHz)								
rest frequency (MHz)								
14. Number of sources: <input style="width: 50px; text-align: center;" type="text" value="8"/> [If more than 8 sources, please attach separate list.]								
15. Name [order of priority]	Coordinates (J2000)		Freq. (MHz)	Band width (MHz)	Flux density		Time requested (hr)	Cal? (Y/N)
	RA (hh:mm:ss.ss)	DEC (±dd:mm:ss.ss)			total (Jy)	peak (mJy)		
Source name 1	11:22:33.1234	+11:22:33.123	22235.080	100.0000	10.00	20.00	30.0	N
Source name 2								
Source name 8								
16. Correlation setup:								
– Correlator integration time: <u>1.0</u> (default 0.8096 sec)								
– Spectral channels per 16 MHz: <u>256</u> (default 128 channel for continuum, 512 for spectral line)								
<input type="checkbox"/> Full stokes correlation <input type="checkbox"/> Pulsar gating <input type="checkbox"/> P-cal extraction <input type="checkbox"/> Multiple phase center								
<i>If you need a special correlation setup, please briefly specify here.</i>								
17. Special requirements:								
– Sites :								
– Dates :								
– Frequencies :								
– etc :								
18. Please attach the following items written in English using TeX. The maximum number of pages is 2+1 if you requested less than 100 hours, otherwise it is 4+1. The minimum font size is 10.								
– Scientific and technical justifications								
– List of publications made by previous KVN observations								
– If you requested ToO (Target of Opportunity) observation, please include well-defined trigger criteria.								