KOREAN VLBI NETWORK OBSERVING APPLICATION

VLBI		**Proposal ID:**	2024B-00
TERM: 2024B		**Received Date:**	2024/ /

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

VLBI

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11. Disk usage (recording time/total time): 0.8	

12. Recording bandwidth: ☐ 16MHz ☐ 32MHz ☐ 64MHz ☐ 128MHz ☐ 256MHz ☐ 512MHz ☐ 1024MHz
   Recording rate: ☐ 512Mbps ☐ 1Gbps ☐ 2Gbps ☐ 4Gbps ☐ 8Gbps ☐ 16Gbps ☐ 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: 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: _1.0_ (default 0.8096 sec)
 − Spectral channels per 16 MHz: _256_ (default 128 channel for continuum, 512 for spectral line)

☐ Full stokes correlation ☐ Pulsar gating ☐ P-cal extraction ☐ Multiple phase center

If you need a special correlation setup, please briefly specify here.

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.