KOREAN VLBI NETWORK OBSERVING APPLICATION

VLBI

TERM: 2023B

Proposal ID: 2023B-00
Received Date: 2023/ /

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

When your proposal is scheduled the contents of this application form (but not supporting material) will be made public.
This LaTeX form was generated on April 17, 2023

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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.