

KOREAN VLBI NETWORK OBSERVING APPLICATION

VLBI	Proposal ID: 2022B-00 Received Date: 2022/ /		
TERM: 2022B			
1. Title of proposal: PROJECT NAME HERE			
2. Authors: (Pl 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: <u>100 hrs</u> – Number of sessions: <u>10</u> ; Number of hour each: <u>10 hrs</u> ; Separation: <u>10 days</u> – Min/Max LST (HH:MM:SS): <u>hh1:mm1:ss1</u> – <u>hh2:mm2:ss2</u> – Preferred range of dates or dates which are NOT acceptable:			
10. Abstract (200 words max, 10 point) <i>Sample abstract</i>			

Title of Proposal: PROJECT NAME HERE

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: <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) ☐ Full stokes correlation ☐ Pulsar gating ☐ P-cal extraction ☐ 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.								