

2027A EAVN OBSERVING PROPOSAL COVER SHEET

**Note: Please use the latest version of the format and fill information properly; older version and incorrect usage of each item will be subject to reject your proposal.*

1. Title of proposal: PROPOSAL TITLE HERE								
2. Authors: (*Note: PI on the 1st line. Additional authors more than 8 should be listed in the additional page with the same format.)								
Name	E-mail	Affiliation/Country				Student		
Name of author 1	E-mail of author 1	Affiliation of author 1				No		
Name of author 2	E-mail of author 2	Affiliation of author 2				No		
3. Proposal type: ☐ Normal proposal ☐ ToO proposal ☐ Continuation ☐ Two-semester-long proposal ☐ Recovery *Related proposal ID (if any): <u>e.g., EAVN26B-XXX</u>								
4. Telescopes: KaVA + ☐ Nobeyama (shared risk) ☐ Takahagi ☐ Hitachi+Yamaguchi ☐ Sejong (shared risk) ☐ Non-EAVN telescope(s)								
5. Special observing mode: ☐ Fast switching (FS) ☐ K/Q-band simultaneous (MF) ☐ Dual polarization (2pol; shared risk) ☐ Wide-field imaging ☐ KVN Hybrid mode								
6. Scientific categories: ☐ Evolved star ☐ Star formation ☐ Milky Way Galaxy ☐ Other Galactic object [(keyword)] ☐ AGN/SgrA* ☐ Astrometry ☐ Geodesy ☐ Others extragalactic object [(keyword)]								
7. Observing setup:								
Telescope	Band	TI	FS	MF	2pol	Hours/epoch	Num. of epoch	Min/Max separation
KVN	C/K/Q/KQ	Y/N	Y/N	Y/N	Y/N			
VERA	C/K/Q/KQ	Y/N	Y/N	Y/N	Y/N			
Nobeyama	K/Q	Y/N	—	—	—			
Takahagi	K	Y/N	—	—	Y/N			
Hitachi+Yamaguchi	C	Y/N	Y/N	—	—			
Sejong	K/Q/KQ	Y/N	Y/N	Y/N	—			
Minimum/maximum LST: 00:00:00 - 24:00:00 (station: ***)								
8. Abstract (200 words max) ABSTRACT HERE								

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9. Recording format: ☐ 16 MHz $\times$ 16 ch ☐ 32 MHz $\times$ 8 ch ☐ 128 MHz $\times$ 2 ch (KaVA only) Recording rate: EAVN ☒ 1 Gbps If KVN Hybrid mode: ☐ 2 Gbps ☐ 4 Gbps ☐ 8 Gbps						
10. Observing sources (incl. calibrators): total number 10 [*Note: Please attach list if necessary.]						
Name	Coordinates (J2000)		Approx. Frequency (MHz)	Approx. Flux Density (mJy)	Time Requested (hr)	Cal? (Y/N)
	RA (hh:mm:ss.ss)	DEC ($\pm$ dd:mm:ss.ss)				
Source name 1	11:22:33.44	+11:22:33.44	22235.080	20.0	30.0	N
Source name 2						
Source name 10						
11. Correlation setup: ☐ Default (128/512 channels per 16 MHz bandwidth for continuum and spectral line, respectively) ☐ Special request (if so, please provide following information) – Averaging time: <u>1.6/0.8/0.4/0.2 sec</u> ; Spectral channels per bandwidth: <u>128/1024/4096/8192</u>						
12. Special requirements – Telescope: – Dates: – Frequencies: – etc: Other special requirements here (within one line):						
13. Attach a scientific justification including figures (max 2 pages) and a technical justification (one page). * The minimum font size should be 11 point. * Proposers should clarify necessity in a proposal in case that optional observing mode of EAVN (fast switching, K/Q-band simultaneous, dual polarization, etc.) is requested. * Proposers should also mention clearly in the proposal on the request for services which exceed a standard one [†] for the EAVN open-use program (refer to the EAVN Status Report for the 2027A semester). Note that the services are not always provided by EAVN as the proposer requested depending on the status of each EAVN telescope. [†] ‘Standard services’ correspond to the followings: • Frequency setting and backend setup shown in the EAVN status report (SR) (Section 2.4, Tables 6 – 8 of the EAVN SR) • Conventional data correlation process by the Daejeon Hardware Correlator (Section 2.6 of the EAVN SR) • Prvision of correlated data (FITS) and related files (T_{sys}, log file, etc.) • Other services shown in the EAVN SR * A list of possible non-EAVN telescopes which are expected to join EAVN observations should be shown in the proposal. Participation of non-EAVN telescopes will not be accepted unless those are shown in the proposal. * For a recovery proposal, the problems in the previous observations and the necessity of recovery observations should be described clearly.						

EAVN_Proposal.tex; Version 2027A