

VLT/I-ALMA Joint Proposals The ALMA Perspective

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Joint proposals with JWST - VLA - VLT/I

■ ALMA Joint Proposals: a "joint proposal" is a proposal that requests time on *two or more* separate observatories, but is submitted to a single observatory for scientific peer review.

- **Timeline**: Starting in ALMA Cycle 10
 - > JWST Jan 2023 → 115 h
 - VLA Feb 2023 → 50 h
 - VLT March 2023 → ALMA can allocate up to 50 h of VLT time



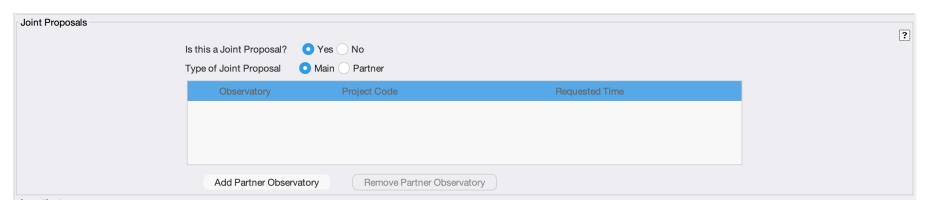
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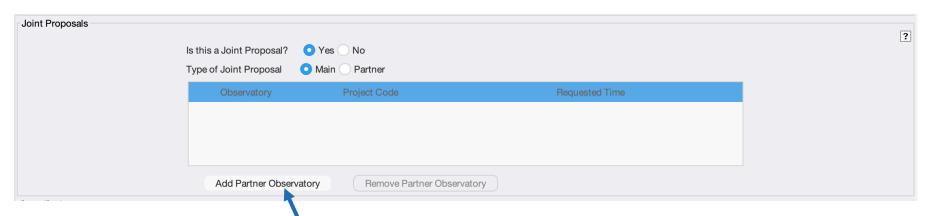


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You can add VLT, and/or JWST, and/or VLA





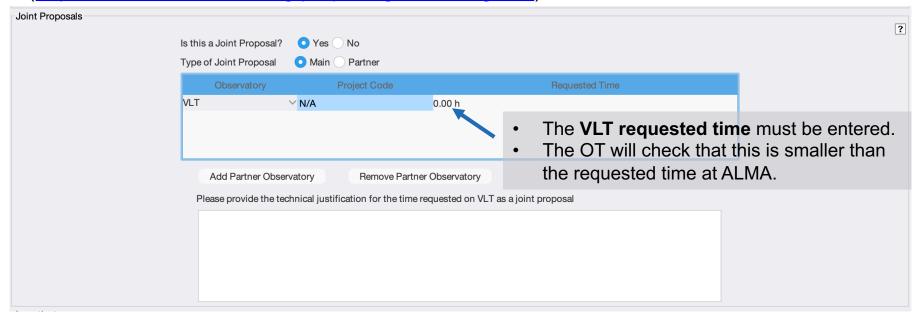








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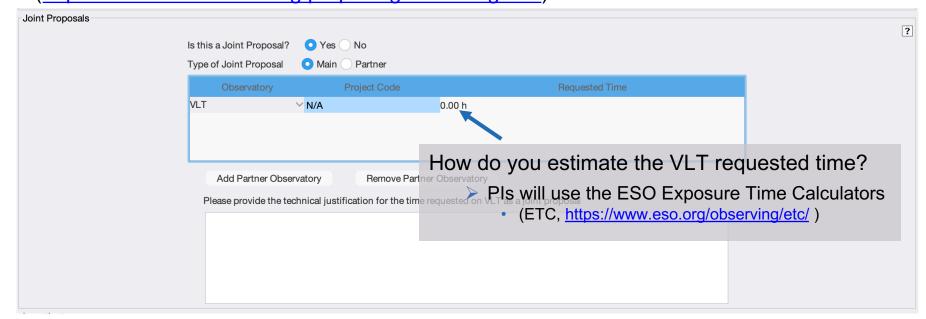






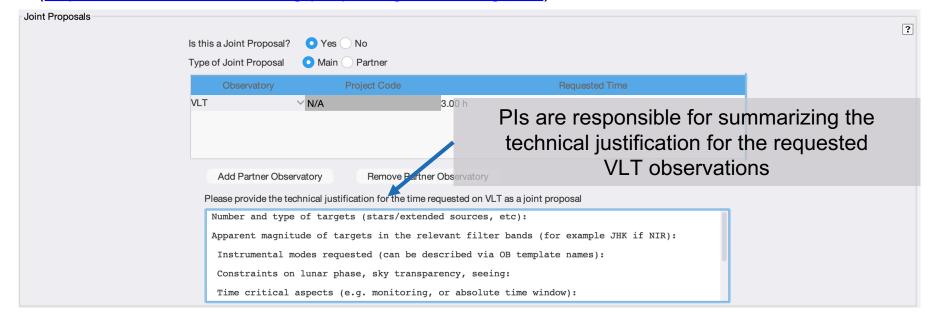


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- VLT requested time will be calculated using the ESO Exposure Time Calculator (ETC, https://www.eso.org/observing/etc/)
- VLT Technical Justification using the Phase 2 tool (https://www.eso.org/p2demo/home)
 - Number and type of targets (stars/extended sources, etc)
 - > Apparent magnitude of targets in the relevant filter bands (for example JHK if NIR)
 - Instrumental modes requested (can be described via OB template names)
 - Constraints on lunar phase, sky transparency, seeing.
 - > Time critical aspects (e.g. monitoring, or absolute time window).
 - Justification for the total observing time, including the description of parameters used in the ETC, and the ETC version.
 - > Special calibration requests not covered by the instrument calibration plan.
 - Any other notes:



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Warning: Only Service Mode observations are offered for the joint channel



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- The users will then proceed to prepare the phase 2 Observing Blocks(OBs) (https://www.eso.org/sci/observing/phase2.html) in preparation for observations and for a final detailed technical assessment
- Once the OBs have been prepared, projects will enter the ESO observing queue. Approved joint Projects will be allocated time in the A-rank class.



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- ALMA Joint Proposals will be undergo Distributed Peer Review (DPR) as any ALMA (non-Large) Proposal
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Warning: projects that, during preparation of the OBs, result in a larger observing time than requested in the proposal VLT Technical Justification, are subject to rejection on technical grounds at ESO's discretion.



ANCILLARY SLIDES



Joint proposals with JWST/VLA/VLT

- Concept: a "joint proposal" is a proposal that requests time on two or more separate observatories, but is submitted to a single observatory for scientific peer review. Effectively, a single observatory has the ability to award observing time for other observatories
- Purpose: enable projects for which data from two or more observatories are required to achieve the scientific goals
- Timeline: Starting in ALMA Cycle 10 JWST
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Joint proposals with JWST/VLA/VLT

Policies:

- Proposals must follow users' policies and call for proposals guidelines of each of the requested partner observatories
- ➤ PIs must submit their proposal to the observatory that requires the most observing time (for ALMA, 12-m array time or 7-m array time if ACA-standalone proposal)
- > The same proposal cannot be submitted to multiple observatories
- Major change requests after a project has been accepted will have to be submitted to the observatory that approved the Joint Proposal
- A Joint Proposal submitted to a partner observatory cannot request ALMA time for VLBI or phased array observing modes
- Limits to the amount of time requested by a single proposal will be defined by each observatory (e.g. ALMA does not allow a Large Programme to be allocated by a partner observatory)
- Procedures: Joint Proposals will be assessed technically by each of the requested observatories based on the information provided by the PI and, upon acceptance, during the preparation of the observations