All text in green or red (including this section) is to help you in preparing your proposal, and should be deleted prior to saving as a PDF document to attach to your proposal.

[2023 LLP Announcement Web Page](https://www.gemini.edu/observing/phase-i/llp/2023-call-large-and-long-programs)

**This document, attachment 1 for a Large and Long Proposal, must be written in an anonymous style. Check the instructions for details. Do not change any margins or font sizes.**

THE PROPOSAL NARRATIVE (Sections 2 plus 3) IS LIMITED TO A TOTAL OF 10 PAGES, AND THE SCIENCE JUSTIFICATION CANNOT EXCEED 5 PAGES, INCLUDING FIGURES AND REFERENCES. The page limit does not include the ITC section and the Distribution of Targets Table.

Please contact the [Gemini Help Desk](http://www.gemini.edu/sciops/helpdesk/submit-general-helpdesk-request) if you need assistance.

*Limited to 5 pages including figures and references*

**Scientific Justification**

Give the scientific justification for the proposed observations, including the overall significance to astronomy. As requested by the reviewers, THE SCIENTIFIC JUSTIFICATION IS LIMITED TO FIVE PAGES INCLUDING REFERENCES. This section should be a high-level description of the observations and the fundamental problem that they will address.  The Experimental Design section can be used to describe the overall observational program, including sample selection, data analysis, etc. The Technical Case can include details about the instruments, conditions, and exposure times required.

ENTER YOUR TEXT HERE.

**Experimental Design**

Describe your overall observational program. How will these observations contribute toward the accomplishment of the goals outlined in the science justification? Include information such as why the specific targets were selected, the sample size, the analysis, etc. Describe any necessary calibrations in addition to the baseline calibrations. Describe how you may need modify the program if it is allocated time in Band 2.

ENTER YOUR TEXT HERE.

**Technical Description**

THE TECHNICAL CASE IS LIMITED TO ONE PAGE WITH NO ADDITIONAL FIGURES. Justify the instrument configuration, the exposure times and the constraints requested (seeing, cloud cover, sky brightness and if appropriate water vapor and elevation). Specify the total time needed (including overheads), and the minimum requested time. If you are applying for instruments on both Gemini North and Gemini South, provide the time request for each site.

ENTER YOUR TEXT HERE.

**Observing Mode**

Describe the chosen mode of observation for your proposed large/long program. The default mode of observation is priority visiting observing, but queue and classical observing modes are also available. Requests for classical and fully queue mode must be accompanied by a justification for the request.

ENTER YOUR TEXT HERE.

**Management Plan**

Describe the overall organizational plan for conducting the proposed large/long program, including data reduction and analysis, preparation of survey deliverables, and staffing requirements. List the roles and responsibilities of the Co-Is with their anticipated time commitments directed to achieving the goals of the survey. You may also wish to detail external sources of support that will be used in the program. Please detail any use of non-Gemini observational facilities that are required to achieve the overall goals of the survey program.

ENTER YOUR TEXT HERE.

**Added Value**

Describe, if any, added value to Gemini Observatory and the broader community from your proposed large/long program. This added value can be through the public release of data products, data reductions routines, catalogs, software, hardware (eg. filters), public outreach, or other outcomes beyond the proposed science results. Include a timeline and the mechanism of their release to the community. Please differentiate between intermediate products developed during the execution of the survey versus the final products likely to be produced after the full observations have been obtained.

ENTER YOUR TEXT HERE.

**Justify Target Duplications**

A search of the [Gemini Observatory Archive](https://archive.gemini.edu) will reveal whether Gemini has previously been used to observe your targets using similar or identical observing setups. If there are duplicate observations, please justify why new observations should be taken. If the Archive search finds no duplicates, please enter “The GOA search revealed no duplicate observations”.

ENTER YOUR TEXT HERE.

**Distribution of Targets**

List in the Table below the approximate distribution of hours per semester and per RA bin for the entire allocation request of the LLP proposal. If your request includes observations at multiple observing constraints (i.e. IQ70 and IQ85 observations), please indicate the number of hours in each bin at each condition state. This table does not count towards the page limits.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **RA** | **24A** | **24B** | **25A** | **25B** | **26A** | **26B** |
| 0 - 3h |  |  |  |  |  |  |
| 3 - 6h |  |  |  |  |  |  |
| 6 – 9h |  |  |  |  |  |  |
| 9 – 12h |  |  |  |  |  |  |
| 12 – 15h |  |  |  |  |  |  |
| 15 – 18h |  |  |  |  |  |  |
| 18 – 21h |  |  |  |  |  |  |
| 21 – 0h |  |  |  |  |  |  |

**ITC Examples**

Use the Gemini [Integration Time Calculator](http://www.gemini.edu/node/10241) (ITC) for a typical source for each instrument requested. Save the ITC output as a PDF file and merge that to the PDF version of this document. More suggestions on how to do this are given in the [PIT FAQ](http://www.gemini.edu/node/11087/). These pages do not count towards the page limits.