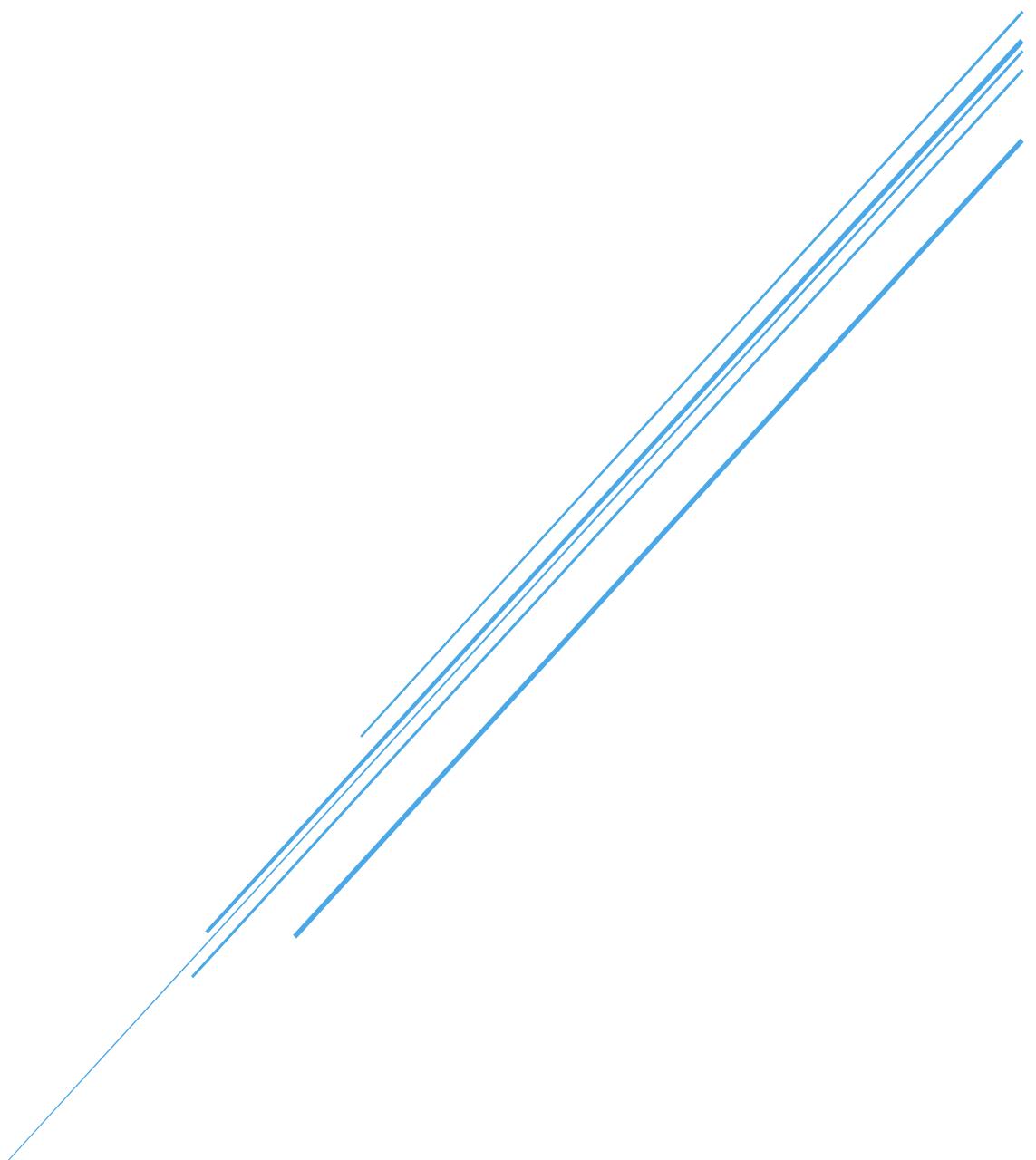


USER GUIDE

Aditya-L1 Proposal Processing System (ALPPS)



ISRO

Guide on proposal functions available to community user via ALPPS

Revision History

Rev #	Description	Rev Date	Effective From	References
1	First Release	01/01/2026	01/01/2026	

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1 Introduction

Aditya-L1 Proposal Processing System (ALPPS) is a web-based application developed for the international science community to propose science observations via configurability offered by two (VELC and SUIT) of the instruments onboard Aditya-L1 spacecraft. All other instrument will observe in default mode and are not available for proposal-based observations. VELC has four channels, out of which only VELC SPEC1 channel will be available for the proposers.

Payload	Available for Proposers
VELC SPEC1	Yes
VELC SPEC2	No
VELC Continuum	No
VELC IR	No
SUIT	Yes
ASPEX SWIS	No, Default Observations
ASPEX STEPS	No, Default Observations
SoLEXS	No, Default Observations
HEL1OS	No, Default Observations
PAPA	No
MAG	No, Default Observations

Submitted proposals would be subjected to scientific and technical feasibility review for their science novelty and minimal required observation time. Required observation time will be allotted for the accepted proposals based on their merit. When a proposal is approved and time is allotted, details will be intimated by email to the author of the proposal. Once the planned observations are carried out and data is received on the ground, it is processed and the science products are made available to the proposer for an optional limited lock-in time. After the lock-in period, data will be open to all automatically for all the registered users. Lock-in time and other policy matters shall be announced as part of Announcement of Opportunity (AO) document.

ALPPS can be accessed at URL <https://alpps.issdc.gov.in>.

2 Scope

This guide will serve as reference document to the users who wish to propose a science observation using Aditya-L1. This document describes the workflow from proposing an observation to getting access to the data products in general. It also provides all the necessary auxiliary information required for the same.

What is not in the scope

- It does not detail about the semantics of instrument configurability. For instrument configuration details please refer to the instrument specific guides available under Create Proposal section of ALPPS.

Aditya-L1 Proposal Processing System (ALPPS)

- It is not a policy document on data but a step-by-step guide on creating and tracking a science observation proposal request through its life-cycle to obtain science data for the science community.
- It is also not a guide on the data platform access, search and download, for these details, please refer to the data access portal PRADAN (<https://pradan.issdc.gov.in/al1> or <https://pradan1.issdc.gov.in/al1>).

3 The Aditya-L1 user

You have reached to this section of the document, most probably because you are looking to carry out a science observation using Aditya-L1 instruments. It is you, the user of Aditya-L1; for whom this whole engineering effort is made. To be a proposer under ALPPS you would require becoming a registered user first. Details about the registration process are provided in the later section.

Once you are registered you would be allowed to access proposal system ALPPS and data platform PRADAN seamlessly with single credentials and single sign on convenience. You may simply navigate from one application to another without entering credentials each time.

4 Observation Opportunities

Periodic observation opportunities will be announced for specific observation duration. These opportunities are called cycle. A cycle is defined with three time windows; namely proposal submission window, review & time allocation window and observation window. User may prepare and submit their proposals when a cycle is open for submission.

User may also submit emergent observation requirements as Target of Opportunity (ToO) proposal, which are open for submission any time. However, the observation duration for a ToO proposal shall be between next 2 to 15 days, e.g. one cannot submit a ToO proposal before 3 months of the proposed observation time.

5 Aditya-L1 Time Allocation Committee (ALTAC)

User proposals will be reviewed for their science justification, feasibility, priority and the duration requested. A proposal can be a time constrained proposal, by defining the exact observation start time requirements in the form. However, time constrained proposal would require to strongly justify the need. Moreover, time constrained proposals will be rejected if the constrained observation is not feasible. Proposals may be accepted, rejected or requested for revision(s). Accepted proposals shall be allocated observation time slots. This shall be performed by an expert committee called Aditya-L1 Time Allocation Committee (ALTAC) including members from ISRO, partner agencies and the science community.

Please note that accepted proposal is not guaranteed for observation, it might get cancelled or rescheduled due to contingency or to accommodate higher priority proposals or ToO proposals.

6 The Workflow – Proposal to Data Open

Below state transition and the flow describes the major states a proposal goes through; from a draft to data availability to the proposer and later to public. For the detailed proposal states and transitions please refer ALPPS proposals section.

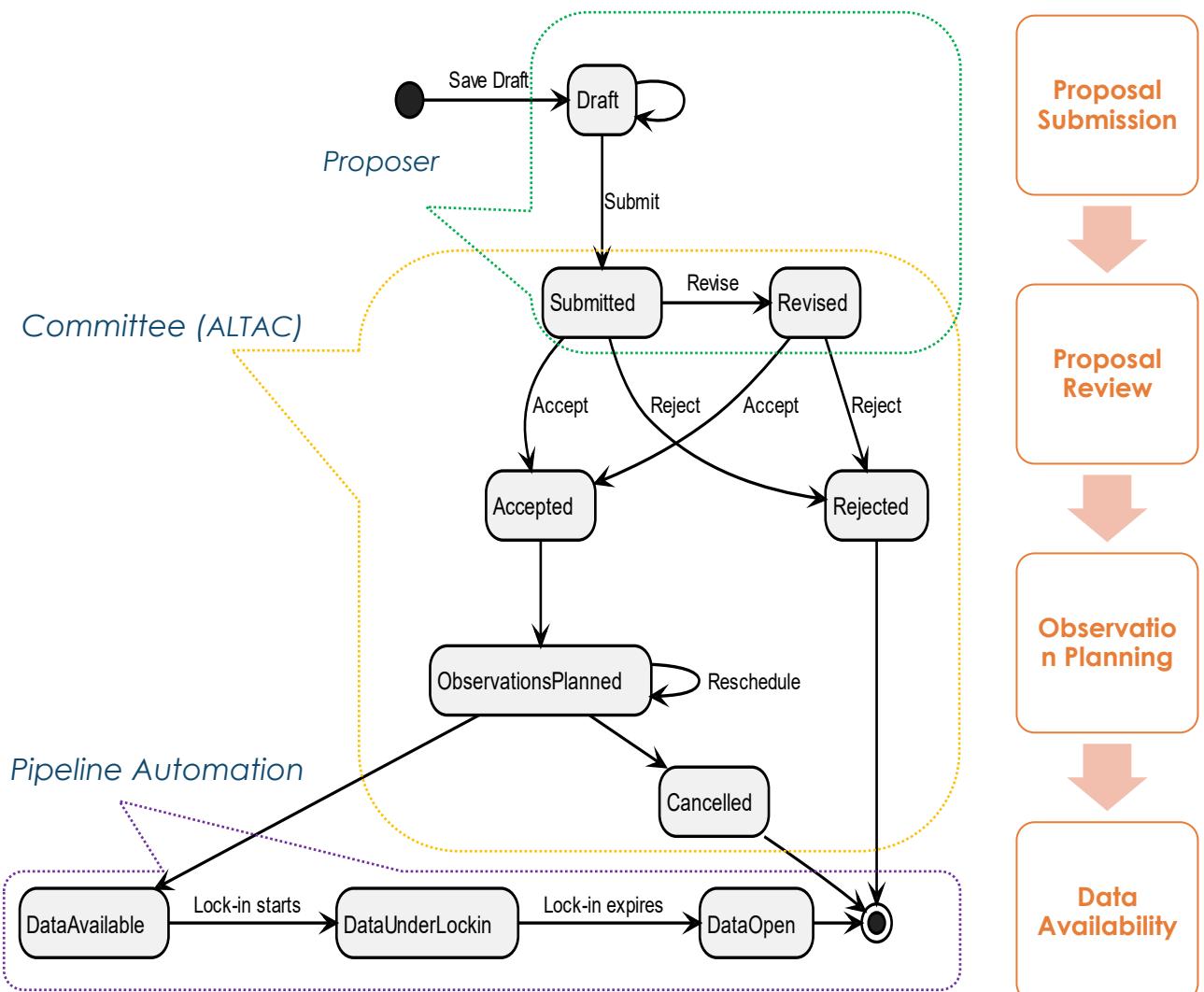


FIGURE 1 - PROPOSAL STATES & TRANSITIONS

6.1 Proposal Submission -

User may create and submit a proposal under an announced AO cycle or may submit as ToO proposal. Observation window for AO proposal shall be governed by the AO definition, whereas for a ToO it is always next 2 to 15 days.

6.2 Proposal Review –

Submitted proposal during the announced AO cycle shall be done under the defined review window for the cycle. A ToO proposal shall be reviewed as soon as possible on best effort basis. Proposals shall be reviewed on their science merit and technical feasibility.

6.3 Observation Planning, Time allocation –

Accepted proposals will be allocated time on their merit. Time constrained proposals where author has proposed a fixed start time will be allotted requested time. However, a very strong justification must be given by the author. A time constrained proposal can't be scheduled on any other time, so the proposal would be cancelled if it is not feasible to allot the requested time. Probability of allocation for flexible proposals where there is no specific start time is requested is always more because they can be scheduled at any available time. Chances are even more to get the proposal observed if proposer has allowed splitting the proposal for planning convenience.

6.4 Data Availability –

Once the proposal is observed as planned, data will be processed and will be available on PRADAN (<https://pradan1.issdc.gov.in/al1>) portal for download. AO proposals will have optional exclusive lock-in period for the proposer. ToO proposals will not have any lock-in period; data will be downloadable to all the users as soon as it is hosted on the portal. Details on the lock-in period shall be available under AO document.

All the proposal state change events will be notified by email to the author of the proposal.

7 Payloads, Configurability and Payload Operation Centre (POC)

Aditya-L1 was launched on 23rd September 2023 and reached the Sun-Earth L1 orbit on 6th Jan 2024. All payload performance verifications were carried out and started the science operations from July 1st 2024. Aditya-L1 has seven payloads which are briefly introduced below:

Visible Emission Line Coronagraph (VELC) - is designed to study solar corona and dynamics of coronal mass ejections. The payload is developed by Indian Institute of Astrophysics, Bengaluru in close collaboration with ISRO. VELC is internally occulted solar coronagraph with simultaneous imaging, spectroscopy and spectropolarimetry channels close to the solar limb, namely VELC CONT, VELC SPEC1, VELC SPEC2 and VELC IR.

Solar Ultra-violet Imaging Telescope (SUIT) - to image the Solar Photosphere and Chromosphere in near Ultra-violet (UV) and, to measure the solar irradiance variations in near UV. The payload is developed by Inter University Centre for Astronomy and Astrophysics, Pune in close collaboration with ISRO.

Solar Low Energy X-ray Spectrometer (SoLEXS) and High Energy L1 Orbiting X-ray Spectrometer (HEL1OS) - are designed to study the X-ray variability of the Sun over a wide X-ray energy range. Both these payloads are developed at U R Rao Satellite Centre, Bengaluru.

Aditya Solar wind Particle Experiment (ASPEX) and Plasma Analyser Package for Aditya (PAPA) - payloads are designed to study the solar wind and energetic ions, as well as their energy distribution. ASPEX is developed at Physical Research Laboratory, Ahmedabad. ASPEX comprises two subsystems: SWIS and STEPS. PAPA is developed at Space Physics Laboratory, Vikram Sarabhai Space Centre, Thiruvananthapuram.

Magnetometer (MAG) - payload is capable of measuring interplanetary magnetic fields at the L1 point. The payload is developed at Laboratory for Electro Optics Systems, Bengaluru in close collaboration with Space Physics Laboratory of VSSC.

Based on original mission plan and the post PV phase observations, VELC SPEC1 and SUIT instruments are planned to be open under ALPPS for proposals by community users. Refer the detailed guide of these individual payloads available under Create Proposal section of ALPPS for specifics on the configurability.

SoLEXS, HEL1OS, PAPA, MAG ASPEX SWIS and ASPEX STEPS are always operated in default mode and their science data products are available to public without any exclusive lock-in period.

Each payload has their **Payload Operations Centre (POC)** defined which is responsible for maintenance of instrument throughout its life. They plan for timely calibration observations and configuration updates based on the payload performance evaluation. Additionally, POCs are also responsible for science product

Aditya-L1 Proposal Processing System (ALPPS)

generation for their payloads in short period of turn-around time. These products are posted back to the ISSDC, archived at ISSDC and hosted for the proposers/public in timely manner.

Payload	Configurable under ALPPS	Remarks
VELC SPEC1	Yes	
VELC SPEC2	No	Not available
VELC Continuum	No	Not available
VELC IR	No	Not available
SUIT	Yes	
ASPEX SWIS	No	Default mode observations
ASPEX STEPS	No	Default mode observations
SoLEXS	No	Default mode observations
HEL1OS	No	Default mode observations
PAPA	No	Default mode observations
MAG	No	Default mode observations

8 Service Disclaimer

Proposal acceptance does not guarantee observation. Many a times due to varying practicalities it might not be feasible to carry out observation. It is a decision by the ALTAC with guidance from operations and engineering teams to make a decision to cancel or reschedule an accepted proposal. It may happen due to contingency scenario or to accommodate another higher priority observation. Committee may decide to reschedule, cancel, split* or shrink a proposal to accommodate calibration or Target of Opportunity (ToO) observations.

**Proposal observation can be split if opted by proposer while submission, more details are in later section*

9 Access & Navigation

To access ALPPS one needs to navigate to the URL <https://alpps.issdc.gov.in>. Below is the landing page.

Aditya-L1 Proposal Processing System (ALPPS)

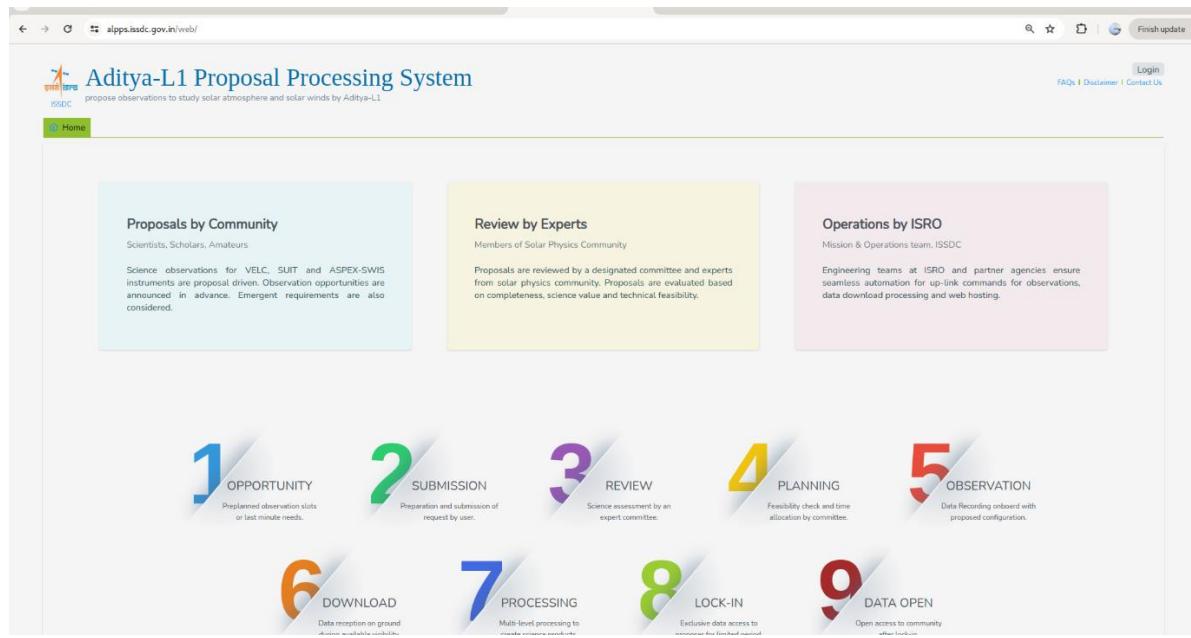


FIGURE 2 - ALPPS HOME

There are some basic infographics, audio overview, tutorial video, recent updates, and useful links in the context available on the landing page. You may also refer to the FAQ section from the top right link. Service disclaimer and contact information is also available from the links at top right of the page.

Aditya-L1 Proposal Processing System (ALPPS)

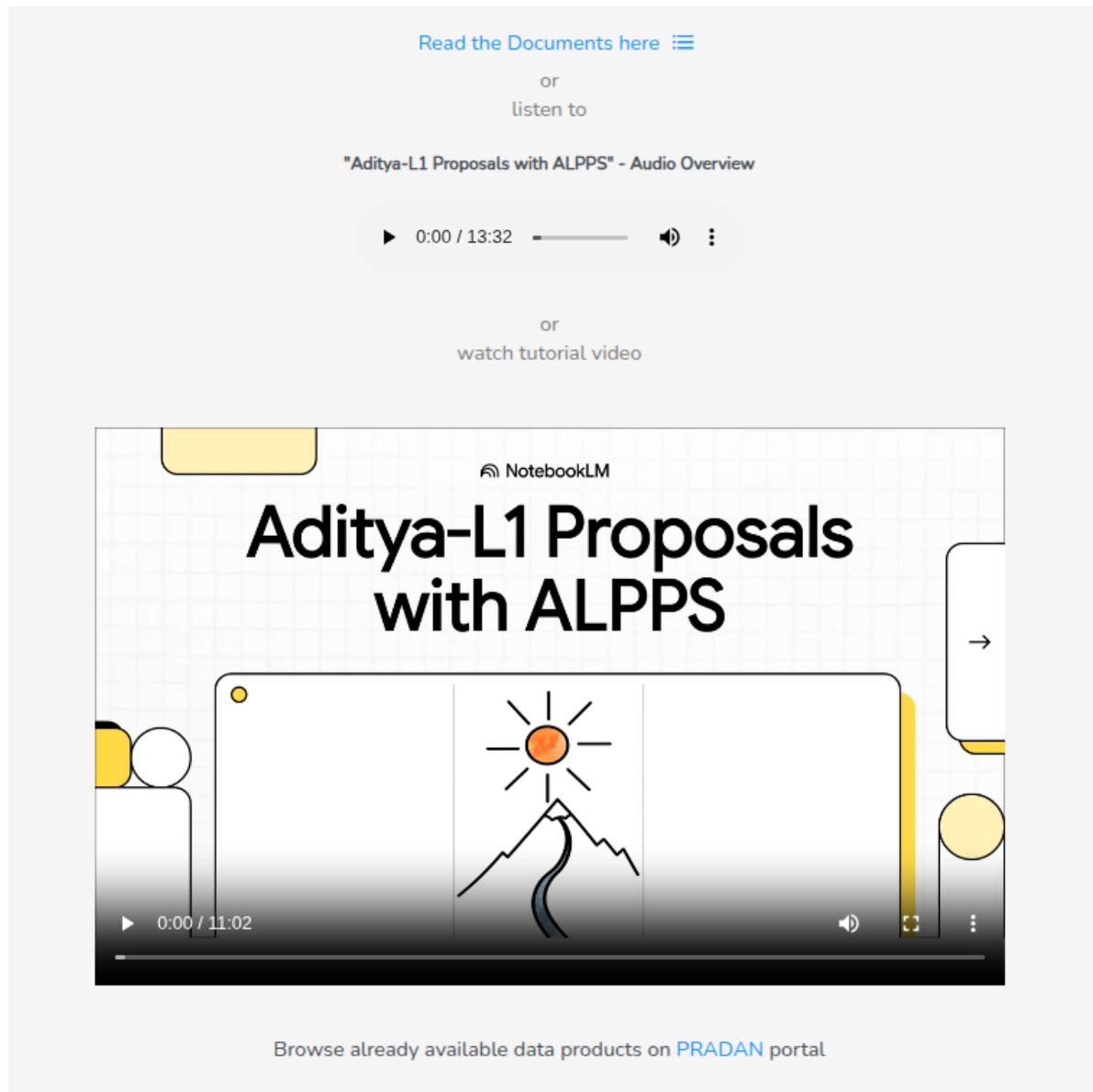


FIGURE 3 – DOCUMENTS, AUDIO OVERVIEW AND VIDEO TUTORIAL ON HOME PAGE

To access the functions provided one would require to have a registered user account. If already registered for PRADAN portal or Chandrayaan-2 or Chandrayaan-3 services at ISSDC, then the same account can be used.

To proceed further you may click the Login button from the top right. User would be redirected to the authentication page. If you are already registered user, you may login or recover your password here. If you are not registered, you may proceed to registration page by clicking the registration link available on this page. User authentication and management is catered by an independent identity management service. Registration would require verification of the email address. On successful registration you would be sent an email with the account verification link. On click of the link, you would be redirected to the ALPPS with successful authentication.

Aditya-L1 Proposal Processing System (ALPPS)

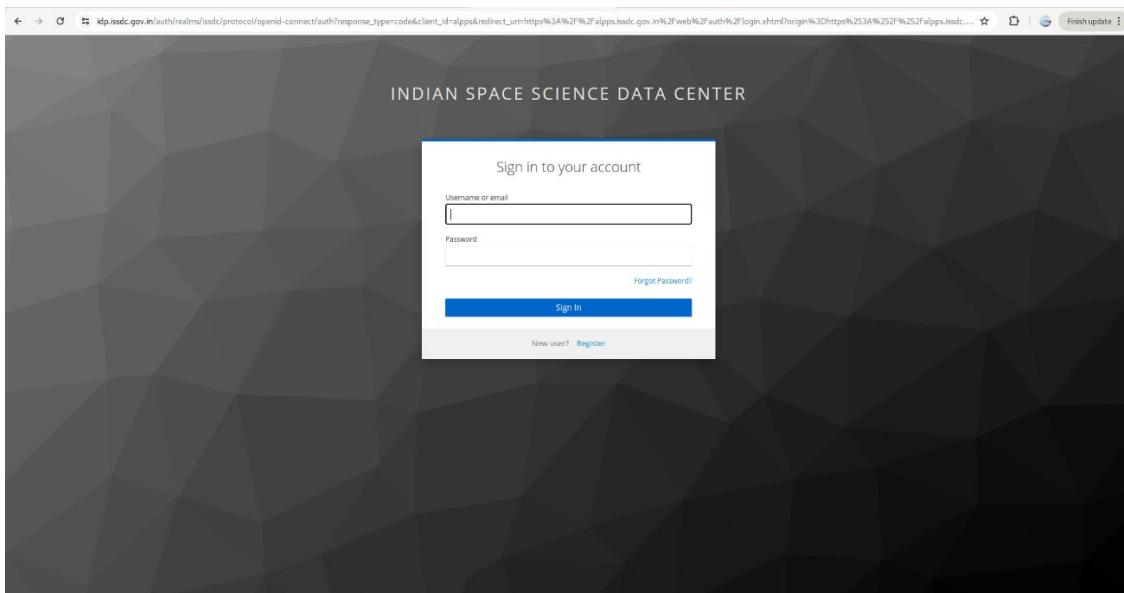


FIGURE 4 - LOGIN

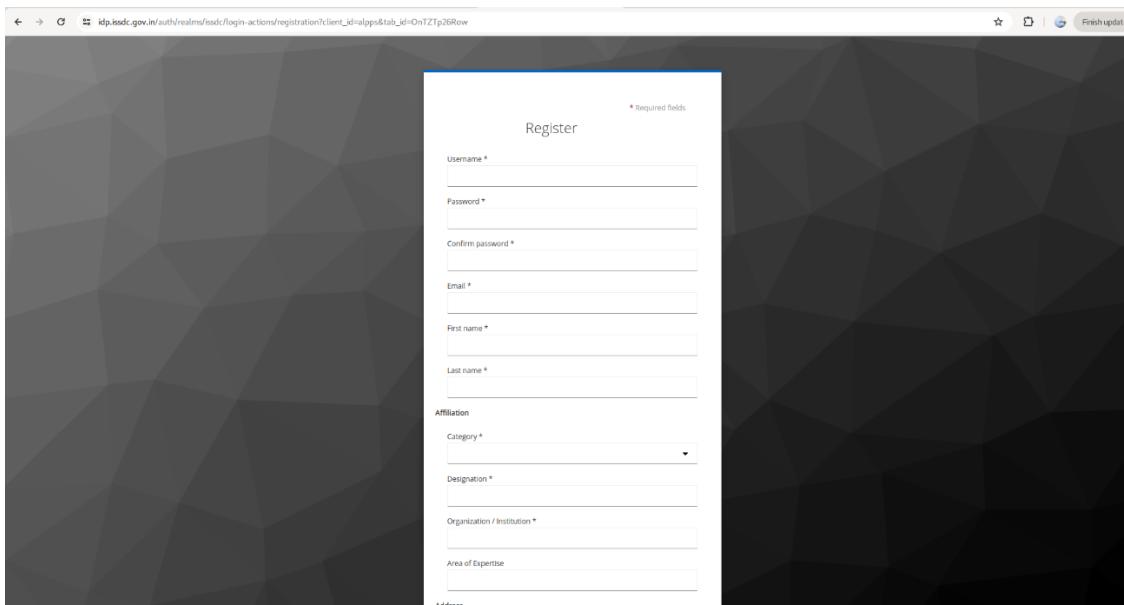


FIGURE 5 - REGISTRATION - 1

Aditya-L1 Proposal Processing System (ALPPS)

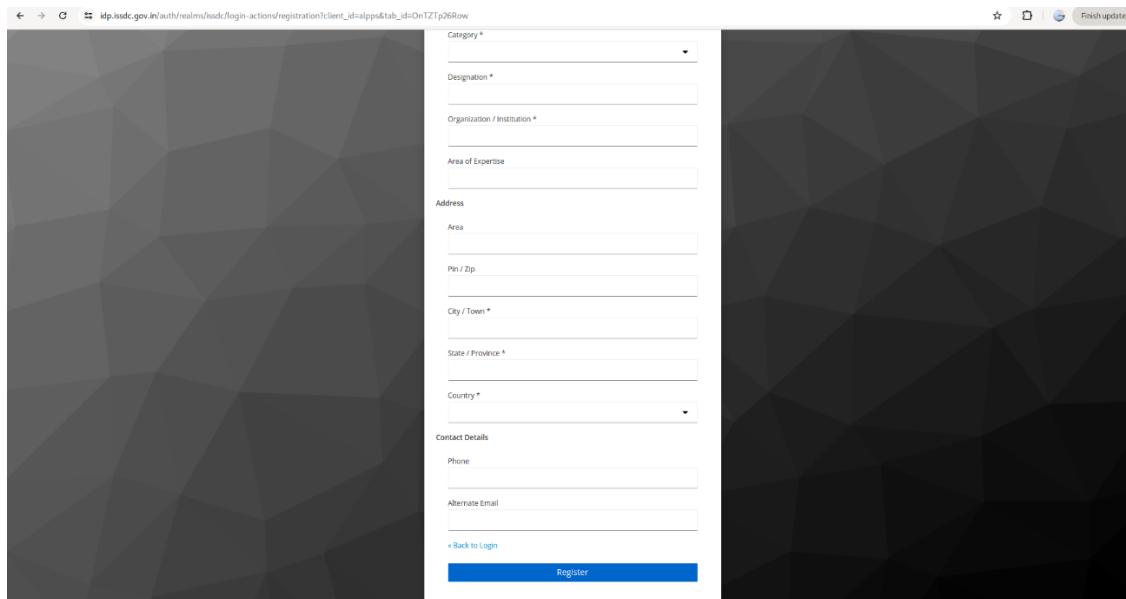


FIGURE 6 - REGISTRATION - 2

Once authenticated as a proposer, there are two extra tabs on the main navigation menu, namely Proposals and Schedule will be available. Additionally, the username and extra links on top right menu for feedback and roles also will be visible to the user. User profile is accessible on click of the username.

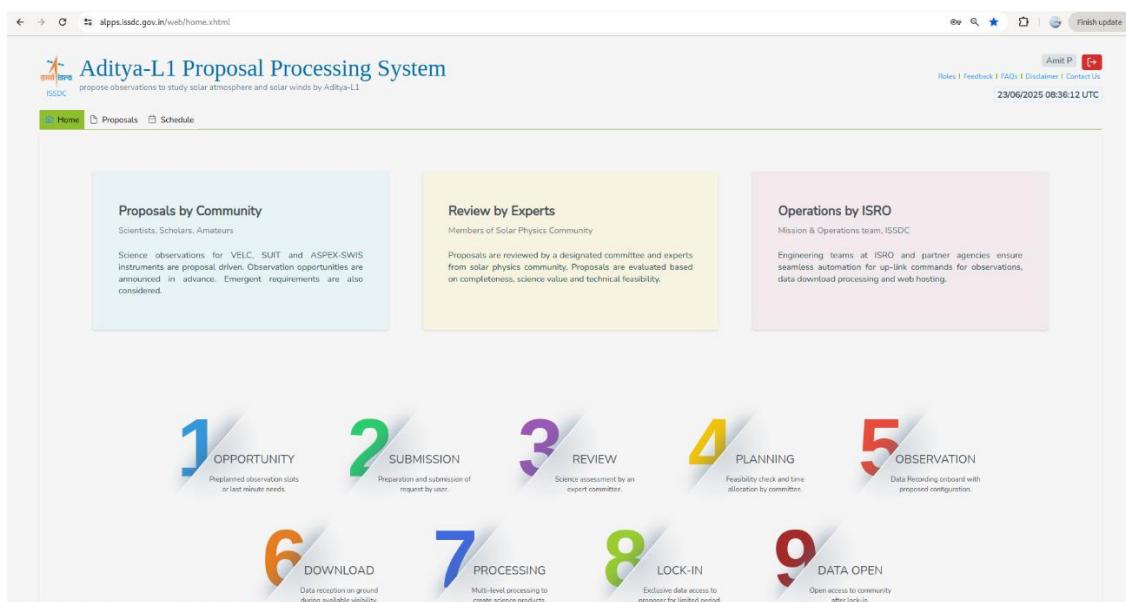


FIGURE 7 - HOME PAGE AFTER AUTHENTICATION

10 Proposal Functions

A Proposal is intent of a user to carry out science observations using Aditya-L1 instruments with a specific configuration and duration, optionally at a specific time and time duration.

Opportunities of proposal submissions shall be announced quarterly for the observations for the next quarter. The complete quarter time is called as Announcement of Opportunity (AO) cycle which would have one month of submission window and two months of review & planning window for the next quarter observations. Additionally, for last minute emergent requirements Target of Opportunity (ToO) proposals shall be allowed from the 15 days before the actual observation time.

10.1 Create Proposal

A proposal can either be created fresh or can be created by copying earlier submitted proposal. A proposer can view and copy proposals submitted by himself/herself or coauthored. Below is the Proposals landing page

FIGURE 8 - CREATE PROPOSAL

A fresh proposal creation is a six steps process, Basics, Cover Page, Instrument Configurations, Observation Time, Attachments and Verify & Submit.

Proposal id, Proposal Acceptance Id - a proposal can be saved as a draft anytime during the creation process, it would also be saved automatically when moving from one step to other. When a proposal is saved, a user specific id is assigned. When a proposal is accepted by the ALTAC, a global proposal acceptance id is assigned which shall be used for any traceability thereafter.

Aditya-L1 Proposal Processing System (ALPPS)

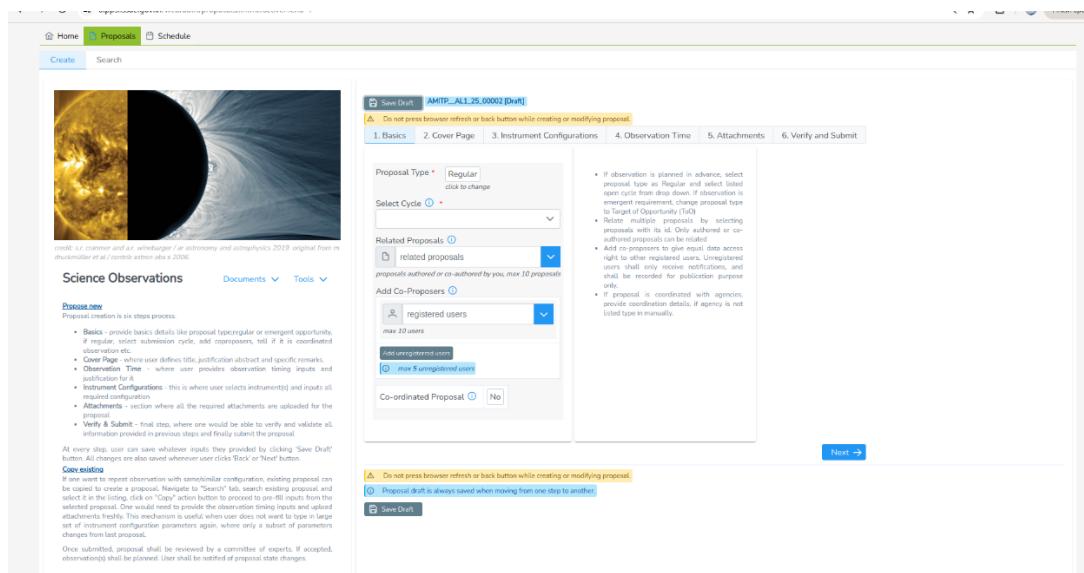


FIGURE 9 - CREATE PROPOSAL - DRAFT

10.1.1 Basics

First step where you provide basic information like proposal type, cycle, co-authors etc. Below table details the input to be provided under this step

#	Input	Description	Remarks
1	Proposal Type	Regular/ToO	Mandatory
2	Cycle	One of the cycles which is open for submission	Mandatory, only applicable for Regular Proposal type
3	Related Proposals	Other proposals which are related or part of same observation campaign, max 10 proposals. Only proposals authored or coauthored by the user are eligible.	Optional
4	Co-proposers	List of registered users, max 10. Gives equal access to the data during lock-in period	Optional, it should only be provided if proposer wants to give equal access to the data during proposer exclusive period on PRADAN portal
5	Unregistered Users	Max 5 unregistered email ids, for publication purpose only	Optional, info
6	Is Co-ordinated Proposal	If it is a coordinated observation	Optional, info. But if science requires essential coordination, then it should be specified and

Aditya-L1 Proposal Processing System (ALPPS)

			proposer should go for fixed-time observation in case of other observatory has time bound observations.
7	Observatories	Select or type-in one or more observatory name if it is a coordinated proposal	Mandatory if coordinated proposal

FIGURE 10 - CREATE PROPOSAL - BASICS - ToO

Aditya-L1 Proposal Processing System (ALPPS)

FIGURE 11 - CREATE PROPOSAL - BASICS - AO

FIGURE 12 - CREATE PROPOSAL - BASICS - CO-ORDINATED

10.1.2 Cover Page

Second step where you provide the title, justification abstract and specific remarks if any

#	Input	Description	Remarks
1	Title	Proposal Title	Mandatory
2	Scientific Justification Abstract	Abstract of the science requirement	Mandatory
3	Specific Remarks	Any specific point which might need the review committee's attention	Optional

Aditya-L1 Proposal Processing System (ALPPS)

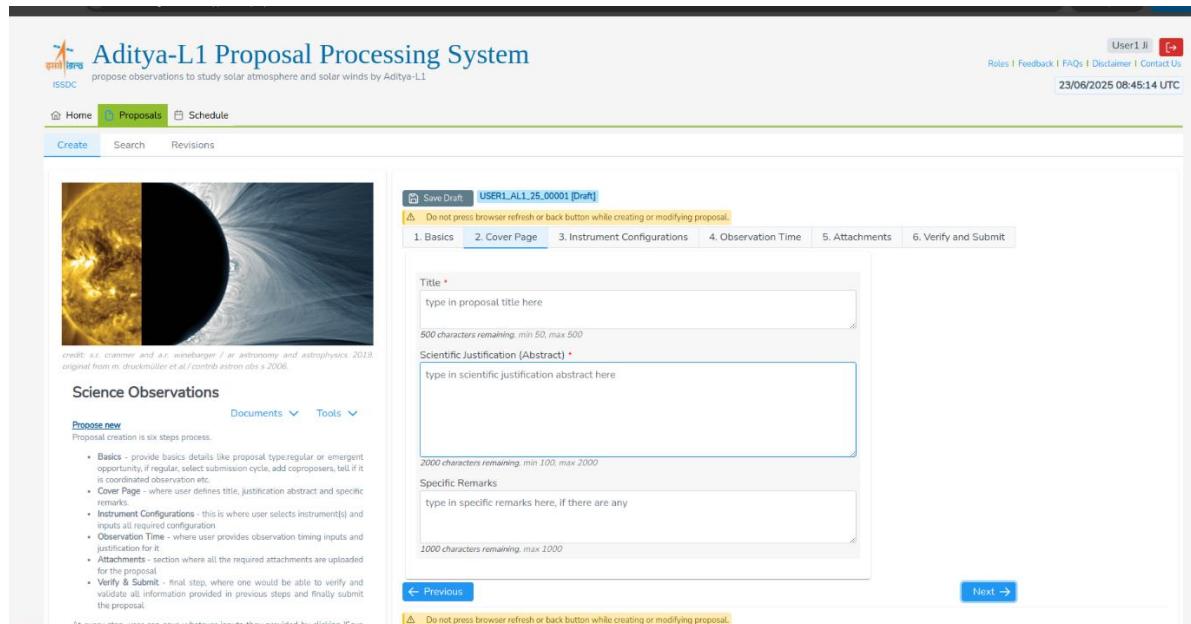


FIGURE 13 - CREATE PROPOSAL - COVER PAGE

10.1.3 Instrument Configurations

Third step where you shall select the instrument and provide their configurations for the proposal. Aditya-L1 instruments are categorized into two groups; Remote Sensing and In-Situ. Only Remote Sensing instruments VELC and SUIT are available for proposal-based observations.

Aditya-L1 Proposal Processing System (ALPPS)

Home Proposals Schedule

Create Search Revisions

Save Draft Id not assigned yet [New]

⚠ Do not press browser refresh or back button while creating or modifying pro

1. Basics 2. Cover Page 3. Instrument Configurations

Opt Instrument Group, Select Instrument(s) i *
select instruments from one of the groups

Remote Sensing
 SUIT
 VELC

Select one instrument group. Click 'Proceed' to move to the next step. You can select instruments from one of the groups provided in the dropdown. You can also select instruments from the list provided in the previous step.

Proceed Cancel

← Previous

FIGURE 14 - CREATE PROPOSAL - INSTRUMENT SELECTION

Once the instrument(s) are selected, user requires to click 'Proceed' to render the detailed configuration form for each of the selected instruments. Each instrument form is rendered as a separate tab. User needs to complete the configuration for all the instrument tabs.

Aditya-L1 Proposal Processing System (ALPPS)

⚠ Do not press browser refresh or back button while creating or modifying proposal.

1. Basics 2. Cover Page 3. Instrument Configurations 4. Observation Time 5. Att

[Modify instrument selection](#)

Refer applicable document from left panel for details on instrument parameters. Click button above to modify instrument selection.

VELC SUIT

Select channel(s) [i](#)

Spectroscopy [i](#)

select one or more channel

5303 Å, Fe XIV
 7892 Å, Fe XI
 10747 Å, Fe III

Select mode

Sit & Stare
 Raster Scan

⚠ Max data limit for VELC all four channels put together is 100.00Gib per day from 00:00 to 23:59 UT. Variation in detector settings would lead to different data rates, and consequently different data volume for the channel.

[Proceed](#)

[← Previous](#)

FIGURE 15 – VELC MODE SELECTION

Aditya-L1 Proposal Processing System (ALPPS)

VELC SUIT

Observation Mode

Synoptic4Output

Click icon on right to expand/collapse mode details

propose new mode

Observation Cycle & Volume	
One Cycle	7681.00 Seconds
Volume / Cycle	9.87 Gib
Cycles / 24 Hours	10.00
Volume / 24 Hours	98.73 Gib

⚠ Max data limit for SUIT is 100.00Gib per day from 00:00 to 23:59 UT. Variation in observation mode and ROI size settings would change data volume. It is recommended to check data volume for selected configuration to avoid validation failure in last step of workflow. Data volume is calculated considering ROI size of 704x704.

Region(s) of Interest (ROI) ①

+ Add Delete All

⚠ No of ROIs min 1, max 16, ROI size min 128, max 4096, size step factor 16

⚠ When finalized by instrument team, ROIs shall have 10seconds of gap between them. Total duration provided in next step should be more than all ROIs duration plus no_of_rois*10 seconds.

Size		Duration	Feature of Interest	Edit	Delete
X	Y				
click button above to add ROI					

1 of 1 (0 records) << < > >> 5 ▼

Track ROI with Color Detection ②

FIGURE 16 – SUIT INSTRUMENT CONFIG

Instrument configuration details from this point are available under instrument specific configuration guides.

10.1.4 Observation Time

Fourth step, where user needs to provide observation timing requirements. Below table details about each of the inputs

#	Input	Description	Remarks
1	Duration	Integer number representing duration	Mandatory
2	Unit	Minutes/Hours	Mandatory
3	Time constrained Observation	Select one of the radio buttons – 1. Observation to start at given time (time constrained) 2. Observation may start at any time as per scheduling convenience	Mandatory
4	Start Date & Time	Select a date and time 1. date can be selected from a limited window of 15 days only for ToO proposal 2. date can be selected from the cycle's observation window for a regular cycle-based proposal	Mandatory only if observation is time constrained and applicable only if option-1 is selected under #3
5	Justification of Time Inputs	Provide a justification for time constrained proposal	Mandatory only if observation is time constrained and applicable only if option-1 is selected under #3
6	Split Observation	Mark it Yes/No	Optional, enabled only if proposal is not time constrained and type-2 is selected for #3
7	Minimum duration split	Integer value representing minimum split duration	Mandatory if #6 is marked Yes
8	Split Unit	Unit of the split duration, Minutes/Hours	Mandatory if #6 is marked Yes

Aditya-L1 Proposal Processing System (ALPPS)

FIGURE 17 - OBSERVATION TIME, FLEXIBLE

FIGURE 18 - OBSERVATION TIME, FIXED, TIME CONSTRAINED

10.1.4.1 SUIT data volume and time alignment

It is required to constraint SUIT observation data recorded per day to 100 giga bits maximum. One or more proposals put together for any day from 00:00 UT to 23:59 UT shall not cross the limit. Proposal form shall have the check in place for this, and if it is violated for the selected configuration, proposal submission is not allowed. A volume check tool is provided for the selected sequence and observation time on the page,

Aditya-L1 Proposal Processing System (ALPPS)

so that user may check the volume for the selected configuration and time and appropriately modify the configuration.

For SUIT observations total observation time duration should be integer multiple of the cycle time of the selected observation sequence. Similarly, minimum split size must also be integer multiple of the cycle time of the selected sequence in previous step. If SUIT is selected in previous step, provision is provided to align observation time entered by the user to the nearest integer multiple of the cycle time of the selected sequence. Moreover, if the time inputs are not aligned, they are automatically aligned during the last phase of verification and submission, so please be attentive of the details and verify the configuration in the last step carefully.

E.g. If SUIT sequence selected is Synoptic4Output and if one cycle time is 2.5hours, then the observation time provided must be multiple of 2.5hours. Refer the SUIT instrument configuration guide for more details.

⚠ Do not press browser refresh or back button while creating or modifying proposal.

1. Basics 2. Cover Page 3. Instrument Configurations 4. Observation Time 5. Attachments 6. Verify and Submit

Timing inputs for observation *

Duration * 0 Unit * Seconds

1 Seconds min to 500 Hours max

⚠ Observation duration must be integer multiple of the cycle time of selected observation mode for SUIT

Align duration

Observation to start at given time

Start Date & Time (UTC)

⚠ Observation start time must allow one cycle observation for the selected observation mode on the given day for SUIT including the end margin of 480 seconds, e.g. if cycle time is 120 minutes then the start-time should be before 21:52 of the day.

Observation may start at any convenient time

Allow to split observation into multiple slots No

Minimum slot size 0 Unit Seconds

0 Seconds min size

Justification for time inputs

1000 characters remaining

• Provide duration of proposed observation

• User may choose to start observation at specific time, or choose it to flexible to start at any feasible time.

• Fixed time observations might get cancelled due to contingency or other higher priority observations. Flexible observations would be rescheduled in these scenarios

• User must provide a justification if observation must start at a given time

• User may provide if observation can be split across multiple feasible slots. It would help in scheduling if observation is long

Click Align buttons to align duration and start time to the payload requirements. Time inputs shall be aligned automatically before validation in the last step of the workflow. Use tools provided below to check volume.

FIGURE 19 - SUIT OBSERVATION TIME ALIGNMENT

Observation Mode selected under previous step	Synoptic4Output
One cycle	7681.00 Seconds
Volume / Cycle expected, with compression factor 0.5882	9.87 Gib
Expected Cycles	0.00
Expected Volume	0.0000 Gib

FIGURE 20 – SUIT VOLUME CALCULATION

An integrated tool to check the expected volume from the proposal observation is provided under the observation time selection step. User can check the volume for selected configuration and observation time. This should be checked after aligning the time as per requirement.

10.1.4.2 VELC Data volume and raster scans

Similar to the SUIT instrument VELC is also constrained to record max 100 giga bits data per day from 00:00 UT to 23:59 UT. This constraint is enforced in the proposal form. Verification would fail and the user would not be able to submit the proposal. A volume check tools is provided for this sake, where volume is calculated and available for selected instrument configuration and the observation time. It would help the user to fine tune the configuration.

VELC raster scans are limited to 5 per day. Proposal form will not allow any configuration which have more than 5 raster scans. Proposal verification would fail and the user would not be able to submit the proposal. A tool to check the number of raster scan is also provided, so that the user may fine tune the instrument configuration and the observation time.

Aditya-L1 Proposal Processing System (ALPPS)

Optimized data rates and the volume will increase the probability of success for a proposal based observation.

The screenshot shows the ALPPS interface for proposal processing. The top navigation bar includes links for ISSUL SLM, PayLoad TBL, ALPPS TBL, PayLoad Local, IDP Local, ALPPS Local, Documentation, Mermaid Create, ISRALC Workflow, ALPPS PROD, and ALPPS TEST. The main content area is divided into several sections:

- Observation start time:** A field with a warning message: "Observation start time must align to 0th or 30th minute for SUIT". Below it is a "Align start time" button.
- Observation duration:** A radio button option "Observation may start at any convenient time" is selected. A checkbox "Allow to split observation into multiple slots" is checked, with a note "No".
- Minimum slot size:** A dropdown menu set to "0 Minutes min size" with a "Minutes" unit dropdown.
- Justification for time inputs:** A text area with a character count of "1000 characters remaining".
- VELC data rate and volume:** A table with three rows:

VELC data rate and volume	
Check	
Check data volume for selected duration	
Data Rate Chain-1 ⓘ	0.0908 Mbps
IR and top port of CONT, SPEC1, SPEC2	
Data Rate Chain-2 ⓘ	0.0908 Mbps
bottom port of CONT, SPEC1 and SPEC2	
Data Volume ⓘ	0.1634 Gib
compression factor 0.5	
- VELC Raster Scan:** A table with two rows:

VELC Raster Scan	
Check	
No of Raster Scans	
one raster scan time is 103.3670 seconds	
0 scan(s)	

At the bottom are "Previous" and "Next" navigation buttons.

FIGURE 21 - VELC VOLUME AND RASTER SCANS

10.1.5 Attachments

Fifth step, where the user needs to upload the required document for supporting the proposal request. Below table details about the number and the type of documents required

#	Input	Description	Remarks
1	Science Technical Justification	Detail justification document in PDF form to support the proposal request. It shall be used by the ALTAC for proposal assessment purpose.	Mandatory, size of the document must be less than 5 MiB. LaTeX template available under proposal creation form header link must be used for the document .

Aditya-L1 Proposal Processing System (ALPPS)

FIGURE 22 – ATTACHMENTS

10.1.6 Verify and Submit

Sixth and the final step, where proposal summary is rendered for the user to review and all the applicable constraints are checked for the given configuration. If any failure is observed, details are rendered accordingly. In case of failure, the user would have to navigate to the appropriate step and would require to correct the inputs. If validation is successful, proposal submission action shall be enabled to submit the proposal. Successful submission of the proposal shall redirect the page to Create Proposal main screen.

FIGURE 23- PROPOSAL SUMMARY

Aditya-L1 Proposal Processing System (ALPPS)

Save Draft **Id not assigned yet [New]**

⚠ Do not press browser refresh or back button while creating or modifying proposal.

1. Basics 2. Cover Page 3. Instrument Configurations 4. Observation Time 5. Attachments 6. Verify and Submit

Proposal Details

review configuration

Id	USER1_AL1_25_00003
Instruments	[]

Instrument configuration details click button on right to toggle

Type	A02
Cycle	A02
Flexible observation time	true
Duration	30 Minutes
Split observations	true

1. Instrument Configurations: no instrument selected.
2. Attachment supportingDoc: no file uploaded

1. Basics: success
2. Cover Page: success
3. Observation Time: success

Please validate proposal details.
Proposal details must be validated to enable submission.
Validate first, go to previous steps to correct errors, if any.

Validate **Submit Proposal**

FIGURE 24 - VALIDATION FAILURE

review configuration

Do not press browser refresh or back button while creating or modifying proposal.

Proposal draft is always saved when moving from one step to another.

Instrument configuration details click button on right to toggle

Type	A02
Cycle	A02
Flexible observation time	true
Duration	30 Minutes
Split observations	true

1. Basics: success
2. Cover Page: success
3. Observation Time: success
4. Instrument Configurations: success
5. Attachments: success

Please validate proposal details.
Proposal details must be validated to enable submission.
Validate first, go to previous steps to correct errors, if any.

Validate **Submit Proposal**

Instrument configuration details click button on right to toggle

Type	A02
Cycle	A02
Flexible observation time	true
Duration	30 Minutes
Split observations	true

1. Basics: success
2. Cover Page: success
3. Observation Time: success
4. Instrument Configurations: success
5. Attachments: success

Success

Proposal Submitted.

Instrument configuration details click button on right to toggle

Type	A02
Cycle	A02
Flexible observation time	true
Duration	30 Minutes
Split observations	true

1. Basics: success
2. Cover Page: success
3. Observation Time: success
4. Instrument Configurations: success
5. Attachments: success

Please validate proposal details.
Proposal details must be validated to enable submission.
Validate first, go to previous steps to correct errors, if any.

Validate **Submit Proposal**

Instrument configuration details click button on right to toggle

Type	A02
Cycle	A02
Flexible observation time	true
Duration	30 Minutes
Split observations	true

1. Basics: success
2. Cover Page: success
3. Observation Time: success
4. Instrument Configurations: success
5. Attachments: success

Please validate proposal details.
Proposal details must be validated to enable submission.
Validate first, go to previous steps to correct errors, if any.

Validate **Submit Proposal**

FIGURE 25 - VALIDATION SUCCESS, SUBMISSION

10.2 Search & View Proposal

One can search and view authored proposals under Proposals → Search view. Proposals can be searched by selecting one of the available criteria under Search Criteria block. Search criteria block can be minimized for better view. Search results are displayed in a data table below the criteria section. Search results are paginated; if result set is large then results are fetched page by page. Multiple page sizes are available for selection in the footer section of the table. Each column of the table has filter box to list only the matching results. Results can also be sorted by clicking the column headers. Search results can also be exported as PDF or XLS.

FIGURE 26 - SEARCH CRITERIA

Aditya-L1 Proposal Processing System (ALPPS)

Type	Cycle	State	ID	Acceptance Id	Observation Time	Instruments	Modified On
All	All	All					
ToO	NA	Draft 2025/06/24 09:12:08	USER1_AL1_25_00004		0 Seconds	[velc_spec1, suit]	2025/06/24 09:15:41
Regular	A02	Submitted 2025/06/23 09:00:51	USER1_AL1_25_00003		30 Minutes	[aspx_swis]	2025/06/23 09:00:51
Regular	A02	Draft 2025/06/23 08:49:59	USER1_AL1_25_00002		0 Seconds		2025/06/23 08:50:06
Regular	A02	Draft 2025/06/23 08:43:59	USER1_AL1_25_00001		0 Seconds		2025/06/23 08:47:53

FIGURE 27 - SEARCH RESULTS

Once search results are displayed in the result table, user can select individual proposal and view the details by clicking View button at in the footer section of the table. This would open a dialogue with all the details of the proposal. Proposal view details are also organized in line with the proposal creation process.

FIGURE 28 - PROPOSAL DETAILS - 1

Additionally, following information shall also be available on the view dialog

- Expected data rate and the volume – for VELC and SUIT expected data rates and the resultant volume for the proposal configuration is displayed
- Review – committee review remarks are displayed
- POC inputs – for SUIT, ROIs are updated by POC, those inputs shall be available under this section
- Observation Planning – once observation is partially or completely planned and have the time allocation, details about each planned slot shall be visible under this section

Aditya-L1 Proposal Processing System (ALPPS)

- Data Availability – if any of the planned observation is completed and processed data is available under PRADAN, this section shall display PRADAN portal link.
- History – various actions on the proposal are displayed here in chronological order, e.g. submitted, review, planned etc.

Proposal Details

Basics

Author	User1 Ji
Id	USER1_AL1_25_00004
Accepted Id	
State	Draft, acquired on 2025-06-24T05:12:08.320
Type	Target of opportunity
Related Proposals	none
Coproposers	
Registered Users	none
UnRegistered Users	none
Is coordinated observation	No
Observatories	none

Cover Page +

Observation Time +

Instrument Configurations +

Expected Data Rate, Volume +

Attachments +

Review +

POC Inputs +

Observation Planning +

Data Availability +

History +

[Download](#)

FIGURE 29 - PROPOSAL DETAILS - 2

Aditya-L1 Proposal Processing System (ALPPS)

Proposal Details

Basics +

Cover Page +

Observation Time +

Instrument Configurations -

VELC

Spectroscopy	
Mode	Sit & Stare
Slit Position	0 μ m
0	

VELC SPEC1

Spectroscopy	
Label	velc_spec1
Detector	5303 \AA , Fe XIV
Exposure Time (ms)	100072.8
Snapshot / Frame Binning	Snapshot
No of Frames to skip	10
Spatial Binning / ROI / Occulter	No Binning
Spatial Binning	1x1
High Gain	10x
Low Gain	1x
Gain Frame	Simultaneous

SUIT

Mode of Operations	Synoptic4Output
Sequence	1
Feature of Interest	Active Regions
Track ROIs	false
ROI size	704x704

FIGURE 30 - PROPOSAL DETAILS – 3

Proposal Details

Basics

Cover Page

Observation Time

Instrument Configurations

Expected Data Rate, Volume

VELC

Data Rate in Mbps

Chain-1 Rate	0.0908 / 235.0000
Chain-2 Rate	0.0908 / 235.0000
Data Volume in Gib	
Volume	0.1634 / 100.0000

Attachments

Science Justification

Supporting Document

Review

Remarks Inputs

POC Inputs

Observation Planning

Data Availability

History

[Download](#)

FIGURE 31 - PROPOSAL DETAILS - 4

10.3 Modify or delete a draft, copy proposal

Once user has searched and listed a proposal as per previous section and selected the proposal in the result table, in addition to view few more action button gets activated in the footer section.

Modify – an earlier saved draft proposal can be open for modification and submission by this action. Proposal shall be loaded under Create Proposal section. Rest all actions shall be same as Create proposal.

Delete – a proposal draft can be deleted with double confirmation from this action. Proposal with any other state will not enable this action.

Copy – a proposal configuration can be copied to create a new proposal by this action. New proposal with similar configuration shall be loaded in the Create Proposal section. Attachments and the observation time is not copied.

Aditya-L1 Proposal Processing System (ALPPS)

Proposals
Timezone is UTC, date time format is YYYY/MM/DD HH:mm:ss

Alert

Selected proposal shall be loaded for modification.
Any change shall be saved on navigation action of next or back.
Changes can also be saved by clicking save draft explicitly.
Do you want to proceed?

No Yes

Observation Time
Instruments
Modified On

Type	Cycle	State	Observation Time	Instruments	Modified On
ToO	NA	Submitted 2025/06/24 05:21:32	30 Minutes	[velc_spec1.sut]	2025/06/24 05:21:32
Regular	A02	Submitted 2025/06/23 09:00:51	30 Minutes	[aspx_swis]	2025/06/23 09:00:51
Regular	A02	Draft 2025/06/23 08:49:59	0 Seconds		2025/06/23 08:50:06
Regular	A02	Draft 2025/06/23 08:49:59	0 Seconds		2025/06/23 08:47:53

1 of 1 (4 records) < > 1 10

View Modify Delete Copy

select proposal from table to enable actions

About
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FIGURE 32 - PROPOSAL MODIFY – 1

ISSUC

Home Proposals Schedule

Modify Search Revisions

Back to List Proposals

Save Draft USER1_AL1_25_00002 [Draft]

Do not press browser refresh or back button while creating or modifying proposal.

1. Basics 2. Cover Page 3. Instrument Configurations 4. Observation Time 5. Attachments 6. Verify and Submit

Proposal Type • Regular click to change

Select Cycle • A02

	Start Date	End Date
Submission	2025-06-23	2025-06-26
Review	2025-06-30	2025-07-10
Observation	2025-07-24	2025-07-31

Related Proposals • related proposals proposals authored or co-authored by you. max 10 proposals

Add Co-Proposers • registered users max 10 users

Add unregistered users max 5 unregistered users

FIGURE 33 - PROPOSAL MODIFY – 2

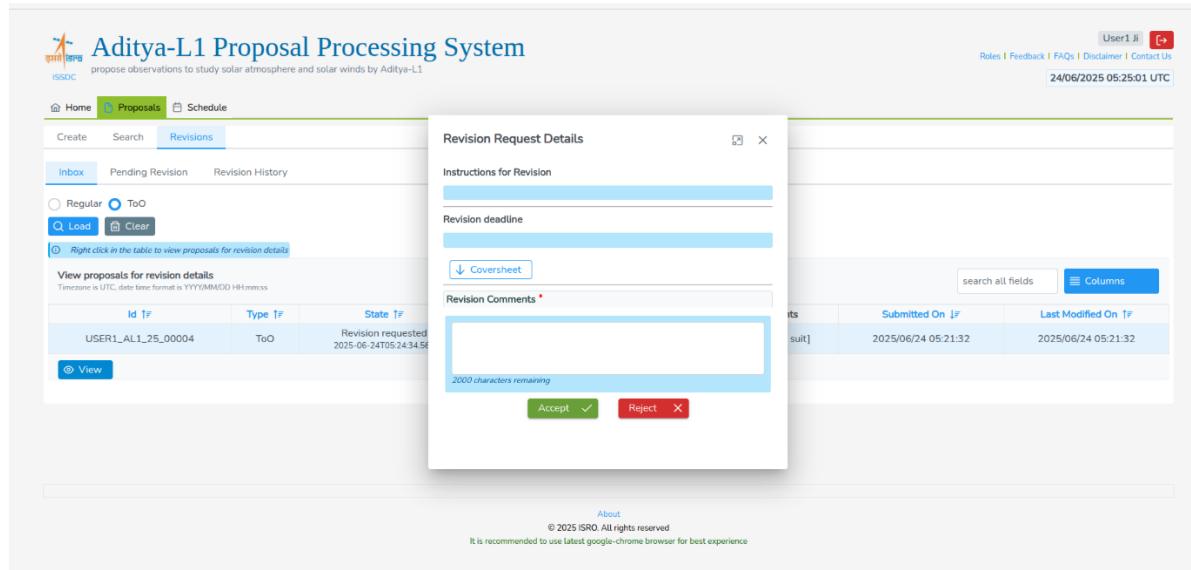
10.4 Proposal Revision

After successful submission proposal is subjected to review by the ALTAC. ALTAC may accept or reject the proposal. Occasionally, ALTAC may send the proposal back to the proposer for minor revisions. ALTAC may decide to send the proposal for more than one times if required.

Aditya-L1 Proposal Processing System (ALPPS)

Please note that proposal revisions are time bound and the timeline is decided by the ALTAC chair while sending the proposal for revision. In general, it will be a very short timeline.

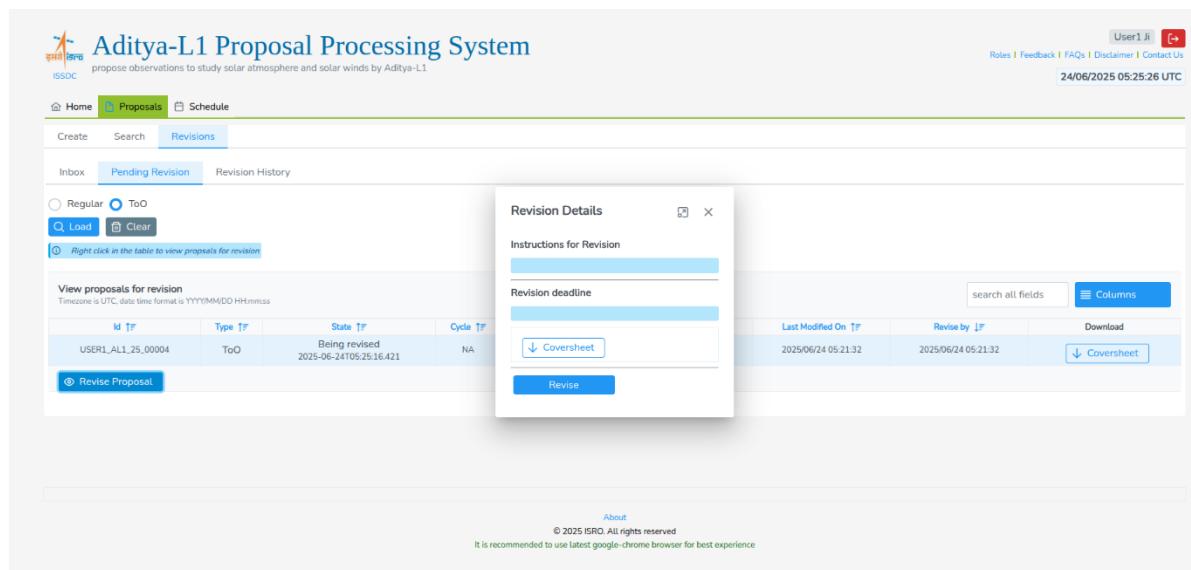
Proposal sent for revision, under revision or past proposal revisions can be accessed under Proposals→Revisions tab by the proposer. Proposer may reject or accept a pending revision request by the ALTAC under Proposals→Revisions→Inbox tab.



The screenshot shows the Aditya-L1 Proposal Processing System interface. A modal dialog box titled 'Revision Request Details' is open. It contains fields for 'Instructions for Revision' and 'Revision deadline'. Below these is a 'Coversheet' button. A large text area for 'Revision Comments' is present, with a note indicating '2000 characters remaining'. At the bottom of the dialog are 'Accept' and 'Reject' buttons. The background shows the 'Inbox' tab selected in the navigation bar, displaying a list of proposals. One proposal is highlighted with the ID 'USER1_AL1_25_00004', Type 'ToO', and State 'Revision requested 2025-06-24T05:24:34.59'. The main menu at the top includes 'Home', 'Proposals' (which is the active tab), and 'Schedule'. The right side of the screen shows a table of proposals with columns for 'Submitted On' and 'Last Modified On'.

FIGURE 34 - PROPOSAL REVISION - INBOX

Once accepted, proposal can be revised by the proposer under Proposals→Revisions→Pending tab.

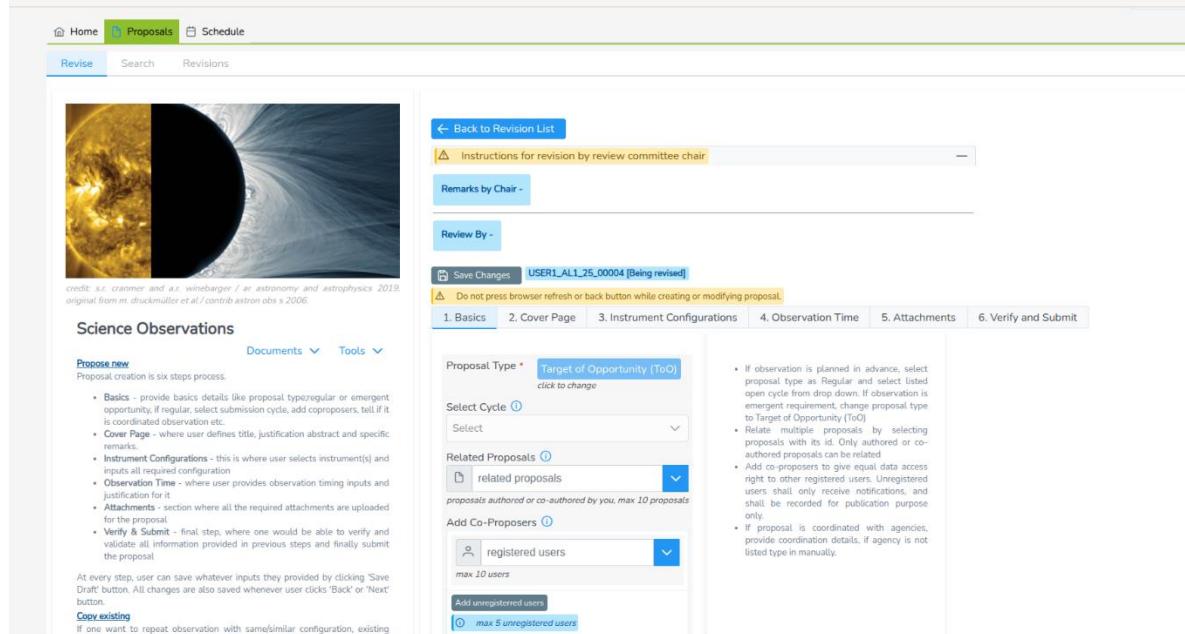


The screenshot shows the Aditya-L1 Proposal Processing System interface. A modal dialog box titled 'Revision Details' is open. It contains fields for 'Instructions for Revision' and 'Revision deadline'. Below these is a 'Coversheet' button. At the bottom is a 'Revise' button. The background shows the 'Inbox' tab selected in the navigation bar, displaying a list of proposals. One proposal is highlighted with the ID 'USER1_AL1_25_00004', Type 'ToO', and State 'Being revised 2025-06-24T05:25:16.421'. The main menu at the top includes 'Home', 'Proposals' (which is the active tab), and 'Schedule'. The right side of the screen shows a table of proposals with columns for 'Last Modified On', 'Revise by', and 'Download'.

Aditya-L1 Proposal Processing System (ALPPS)

FIGURE 35 - PROPOSAL REVISION - PENDING

Proposer may select a proposal and load it for the revision. Revision process is similar to the proposal creation with values loaded from the previous submission. Revision history allows to view successive changes amongst multiple revisions of a proposal.



credit: s.r. cramer and a.r. winebarger / ar astronomy and astrophysics 2019, original from m. druckmiller et al / contrib astron obs s 2006.

Science Observations

Propose new Documents Tools

Propose creation is six steps process.

- Basics - provide basics details like proposal type regular or emergent opportunity, if regular, select submission cycle, add coproposers, tell if it is coordinated observation etc.
- Cover Page - where user defines title, justification abstract and specific remarks.
- Instrument Configurations - this is where user selects instrument(s) and inputs all required configuration
- Observation Time - where user provides observation timing inputs and justification for it
- Attachments - section where all the required attachments are uploaded for the proposal
- Verify & Submit - final step, where one would be able to verify and validate all information provided in previous steps and finally submit the proposal

At every step, user can save whatever inputs they provided by clicking 'Save Draft' button. All changes are also saved whenever user clicks 'Back' or 'Next' button.

Copy existing

If one want to repeat observation with same/similar configuration, existing

Back to Revision List

Instructions for revision by review committee chair

Remarks by Chair -

Review By -

Save Changes USER1_AL1_25_00004 [Being revised]

Do not press browser refresh or back button while creating or modifying proposal.

1. Basics 2. Cover Page 3. Instrument Configurations 4. Observation Time 5. Attachments 6. Verify and Submit

Proposal Type * Target of Opportunity (ToO) click to change

Select Cycle Select

Related Proposals related proposals

proposals authored or co-authored by you, max 10 proposals

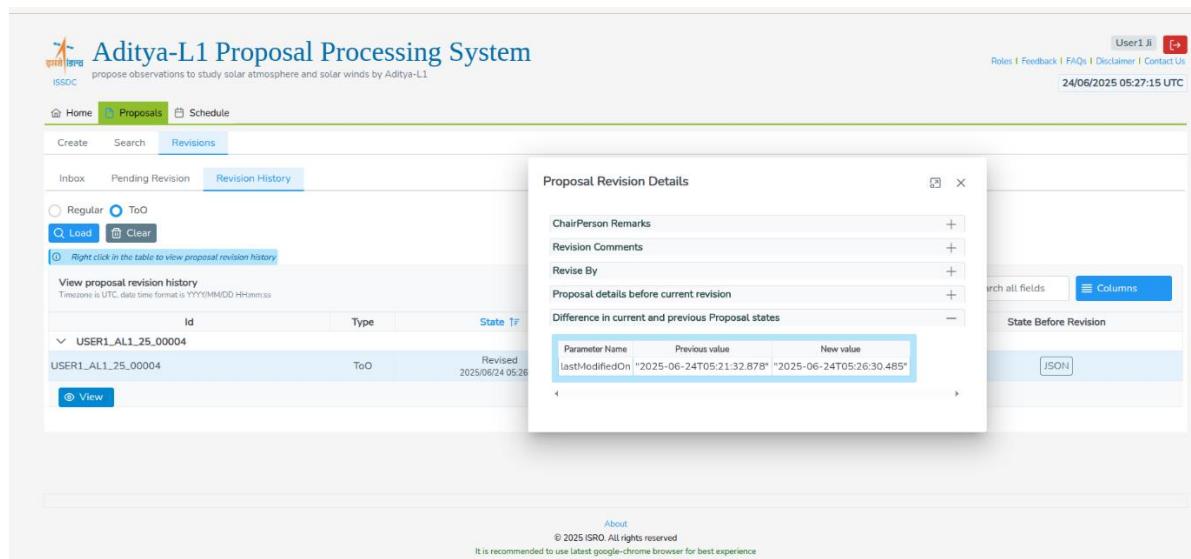
Add Co-Proposers registered users

max 10 users

Add unregistered users max 5 unregistered users

FIGURE 36 - PROPOSAL REVISION - BEING REVISED

Past proposal revisions can be seen under Proposals→Revisions→History tab.



Aditya-L1 Proposal Processing System

ISSDC propose observations to study solar atmosphere and solar winds by Aditya-L1

User1 AL1

Roles | Feedback | FAQs | Disclaimer | Contact Us

24/06/2025 05:27:15 UTC

Home Proposals Schedule

Create Search Revisions

Inbox Pending Revision Revision History

Regular ToO

Load Clear

Right click in the table to view proposal revision history.

View proposal revision history

Timezone is UTC, date time format is YYYY/MM/DD HH:MM:SS

Id	Type	State
USER1_AL1_25_00004	ToO	Revised 2025/06/24 05:26

View

Proposal Revision Details

ChairPerson Remarks

Revision Comments

Revise By

Proposal details before current revision

Difference in current and previous Proposal states

Parameter Name	Previous value	New value
lastModifiedOn	"2025-06-24T05:21:32.878"	"2025-06-24T05:26:30.485"

Search all fields Columns

State Before Revision

JSON

About

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FIGURE 37 - REVISION HISTORY - 1

Aditya-L1 Proposal Processing System (ALPPS)

Proposal Revision History					
Timezone is UTC, date time format is YYYY/MM/DD HH:mm:ss					
Id	Type	State	Cycle	Revised On	State Before Revision
ADMIN_AL1_25_00085	ToO	Revised	NA	2025/06/13 10:28:22	JSON
ADMIN_AL1_25_00084	ToO	Revised	NA	2025/06/13 10:28:22	JSON
ADMIN_AL1_25_00075	ToO	Revised	NA	2025/05/21 08:47:13	JSON
ADMIN_AL1_25_00075	ToO	Revised	NA	2025/05/21 08:49:24	JSON
ADMIN_AL1_25_00075	ToO	Revised	NA	2025/05/21 08:54:27	JSON
ADMIN_AL1_25_00075	ToO	Revised	NA	2025/05/21 09:13:25	JSON
ADMIN_AL1_25_00075	ToO	Revised	NA	2025/05/21 09:18:01	JSON
ADMIN_AL1_25_00073	ToO	Revised	NA	2025/05/16 11:16:38	JSON
ADMIN_AL1_25_00073	ToO	Revised	NA	2025/05/16 11:34:19	JSON
ADMIN_AL1_25_00073	ToO	Revised	NA	2025/05/21 08:23:33	JSON

FIGURE 38 - REVISION HISTORY - 2

11 Schedule View

One can check the already planned proposals and their details within a given time window under the Schedule tab from the main navigation bar. One may search the schedule for a given time range and check the proposal details by clicking the proposal link.

Start Date	Start Time	End Date	End Time	Instrument	Proposal
2025-06-08	00:08:00	2025-06-08	00:48:00	SUIT	C25_0878
2025-06-08	00:30:00	2025-06-08	01:05:00	VELC_SPEC1	T25_0855
2025-06-08	00:56:00	2025-06-08	01:05:00	SUIT	C25_0208
2025-06-08	01:13:00	2025-06-08	22:30:00	SUIT	T25_0880
2025-06-08	01:15:00	2025-06-08	01:50:00	VELC_SPEC1	T25_0856
2025-06-08	02:00:00	2025-06-08	11:05:00	VELC_SPEC1	T25_0857
2025-06-08	11:15:00	2025-06-08	11:50:00	VELC_SPEC1	T25_0858
2025-06-08	12:00:00	2025-06-08	12:35:00	VELC_SPEC1	T25_0859
2025-06-08	12:45:00	2025-06-08	21:50:00	VELC_SPEC1	T25_0880
2025-06-08	22:00:00	2025-06-08	22:35:00	VELC_SPEC1	T25_0861

FIGURE 39 - SCHEDULE VIEW

12 Profile

User can access the profile section by clicking the username displayed on right top of the page view header.

12.1 Basics

User can see the basic information like username, primary email id and assigned roles under this section. A link at the bottom is provided to update the user profile, which redirects to the ISSDC Identity Management Service user account management page.



The screenshot shows the 'Profile' section of the Aditya-L1 Proposal Processing System. At the top, there is a header with the ISSDC logo, the system name 'Aditya-L1 Proposal Processing System', and a sub-tagline 'propose observations to study solar atmosphere and solar winds by Aditya-L1'. On the right, there is a user profile box for 'Amit P' with a 'Logout' button. Below the header, a navigation bar includes links for Home, Proposals, Schedule, POC Functions, Review, Observation Planning, Operations, and Administration. The main content area is titled 'Profile' and 'Basics'. It displays the following information in a table:

Event Subscriptions	
Name	Amit P
Username	amitp
Email-id	amitp.sat@gmail.com
Roles	(Empty box)

At the bottom of this section is a link 'View / Modify details'.

FIGURE 40 - PROFILE - BASICS

12.2 Notifications

User shall receive notifications of important state changes to his/her proposals. Notifications are subscription based; user shall receive notification for the event type only if he/she has subscribed to it. User may select event type to subscribe or unsubscribe from the available lists.

Aditya-L1 Proposal Processing System (ALPPS)

Aditya-L1 Proposal Processing System

propose observations to study solar atmosphere and solar winds by Aditya-L1

ISSDC

Amit P 24/06/2025 05:32:51 UTC

Home Proposals Schedule POC Functions Review Observation Planning Operations Administration

Profile Event Subscriptions

Select category. *

Email Notifications

Available Events

- Proposal revision request accepted
- Proposal revision request rejected
- Proposal sent for revision

Subscribed Events

- Proposal Revision submitted
- Observation complete
- Data unavailable
- Proposal accepted
- Revision window expired

 Save

FIGURE 41 - PROFILE NOTIFICATION SUBSCRIPTIONS

13 Feedback

A registered user may provide feedback or query the ALPPS team in the context of a submitted proposal. This shall send an email containing the details to the ALPPS team and to the Aditya-L1 Support Cell. Feedback action is rate limited.

FIGURE 42 – FEEDBACK

14 Contact Us

In case of any query user may directly contact ISSDC (issdc@istrac.gov.in), Aditya-L1 Support Cell (<https://al1ssc.aries.res.in>) or POC of the payload. Detailed contact details are available under Contact Us link on ALPPS top right menu.