

## **ISRO HEADQUARTERS Science Program Office (SPO)**

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### **AS1-PRADAN Release Note**

PRADAN is a web application developed by ISSDC in 2020 to serve the science data archived at ISSDC to the global user community. The system is servicing data mainly for Chandrayaan-2, Chandrayaan-3, and Aditya-L1. It provides the users ease of search, browse and bulk download of the data. It is also integrated with ISSDC's Single Sign-On (SSO) service enabling access of all the data hosted on PRADAN without requiring user to re-enter the login credentials, while using any of the ISSDC's SSO based services. PRADAN is also upgraded with features like user role based access and lock-in based data release. PRADAN stands for Policy based data Retrieval, Analytics, Dissemination And Notification system.

AstroSat data at ISSDC is being disseminated to the users through the AstroBrowse portal from 2017 onwards. It caters to the policy driven AstroSat data dissemination to the proposers and lock-in based data release to public users.

New requirements like bulk data download have been requested for ease of download of large amounts of AstroSat data. Therefore, the AstroSat Science Working Group has proposed PRADAN for co-hosting AstroSat data. ISSDC and the Payload Operation Center (POCs) of AstroSat have worked out the interfaces for this proposal which required particularly meta-data of each product tailored for PRADAN.

AS1-PRADAN has been successfully implemented and the functionality has been demonstrated to the AstroSat Science Working Group.

AstroSat Science Working Group has verified AS1-PRADAN deployment with sample data-sets and has cleared it for public hosting.

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