Implementation plan & team policies

Structure

The final design and implementation of the ULLYSES program and the production of high-level data products will be undertaken by a Core Implementation Team (CIT), working in conjunction with Science Advisory Committee (SAC). The overall program will be coordinated by the CIT lead, who has the final authority for decisions. They will be assisted by an observing technical lead and data technical lead. The leads are:

Julia Roman-Duval (CIT Lead), Charles Proffit (Observing Technical Lead) and Gisella de Rosa (Data Technical Lead).

The CIT will be responsible for preparing the Phase II proposals, designing and implementing the observing schedule, processing the data, and preparing the high-level data products. CIT members are drawn from the STScI staff. The CIT Lead may convene topic-specific working groups related to the implementation. The CIT Lead or their designate will keep the general community informed of progress, including regular briefings to the Space Telescope User Committee, and will provide an avenue for receiving their input. The team members are:

Alessandra Aloisi, Chris Britt, Ivo Busko, Joleen Carlberg, Will Fischer (SAC liason, low-mass stars), Andrew Fox, Alex Fullerton (SAC liason, massive stars), Bethan James, Robert Jedrzejewski, Sean Lockwood, Elaine Mae Frazer, Talawanda Monroe, Cristina Oliveira, Linda Smith, Tony Sohn, Rachel Plesha, Adric Riedel, Allyssa Riley, Dick Shaw, Jo Taylor, Dan Welty.

The HST Mission Head, Tom Brown, and the Associate Director for Science, Neill Reid, will serve as a Program Advisory Council (PAC) to provide advice on high-level issues, as needed.

The SAC comprises research scientists from STScI and the community who are committed to providing scientific advice to the CIT on scientific aspects of the implementation process, including the selection of appropriate targets, filter selection, distribution of exposure times, and the relative priorities of different analysis tools. The SAC will help define the high-level science products generated by the CIT. The SAC will advise the CIT on the scientific aspects of program implementation and will be briefed regularly on progress by the CIT Lead or their designate. Members of the SAC will not participate in any functional activities connected with the ULLYSES program implementation, and will not have access to either high-level data products or associated tools until those products and tools are released to the general community.

The SAC members are:

Jean-Claude Bouret (Laboratoire d'Astrophysique de Marseille), Catherine Espaillat (Boston University), Chris Evans (UK Astronomy Technology Centre), Kevin France (University of Colorado), Miriam Garcia (Instituto Nacional de Técnica Aeroespacial), Chris Johns-Krull (Rice University), Derck Massa (Space Science Institute), Joan Najita (NOAO)

Data release schedule

ULLYSES has an extensive target list, with sources spanning a wide range of RA and Dec, but with concentrations in certain parts of the sky such as the Magellanic Clouds. In general, observations of individual targets will require fewer than 5 orbits. Those observations will be interspersed with other GO and DD programs throughout the year. All data will be non-proprietary and available immediately through the MAST archive. Higher-level data products for ULLYSES targets will be released on a regular (2-3 month) cadence, with the details set by the implementation team.

Requirements

- The program implementation will be designed to achieve the science goals developed by the UV Legacy Initiative Working Group.
- **Any data products or analysis tools developed in the course of the ULLYSES program may not be used for personal research until they are made available to the general community.**
- STScI staff working on the implementation team must clearly separate their functional work from any scientific research undertaken using these data or associated tools and data products

Restrictions

CIT

- Members of the CIT may not serve as PIs on HST Cycle 27 proposals that are associated directly with the ULLYSES programs. Those proposals include AR programs that aim to utilize ULLYSES data, Theory programs designed to support analysis of those data, or observing programs that aim to supplement the ULLYSES datasets.
- Members of the CIT may participate as co-Is in HST Cycle 27 proposals that are associated with the ULLYSES programs. They must inform the CIT lead of their involvement in those proposals and they may not apply for or receive grant funding if those proposals are accepted. First author papers by CIT members that utilize data from ULLYSES may not be either submitted for publication or appear on astro-ph until at least 6 weeks after the release of the high-level data products for those observations.
- Members of the CIT may participate as PIs or co-Is in HST Cycle 28 and 29 proposals that are associated with the ULLYSES programs. They must inform the CIT lead of their involvement in those proposals and they may not apply for or receive grant funding. There are no publication restrictions for analyses of ULLYSES data taken in Cycles 28 and 29.

SAC

- There are no restrictions on SAC members with regard to participation in HST proposals or involvement in scientific publications based on data taken for the ULLYSES program and/or enhanced data products associated with that program

Core Implementation Team leads: roles and responsibilities

Core Implementation Team lead

- Overall responsibility for program implementation, in consultation with the scientific community
- Functions include target selection, observing strategy, instrument configuration, coordination of HST observations with those from other facilities, communications strategy, and concept for high-level data products

Observing technical lead

- Responsibility for the technical implementation of the observations
- Functions include development of Phase II APT files, planning the detailed schedule, oversight of the observation execution, and working with staff in the instrument and scheduling branches

Data technical lead

- Responsibility for the technical implementation of the data products
- Functions include detailed definition of the high-level science products, oversight of the production, verification and validation of the data products, development of enhanced community access to the data products, and working with staff in the instrument and data management divisions.