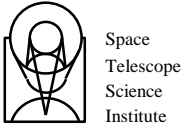


Astronomers Proposal Tool

Tony Krueger, Brett Blacker

November 6, 2003



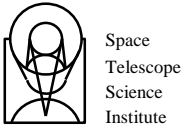
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APT Agenda

PROJECT: APT

Status as of: Nov 6, 2003

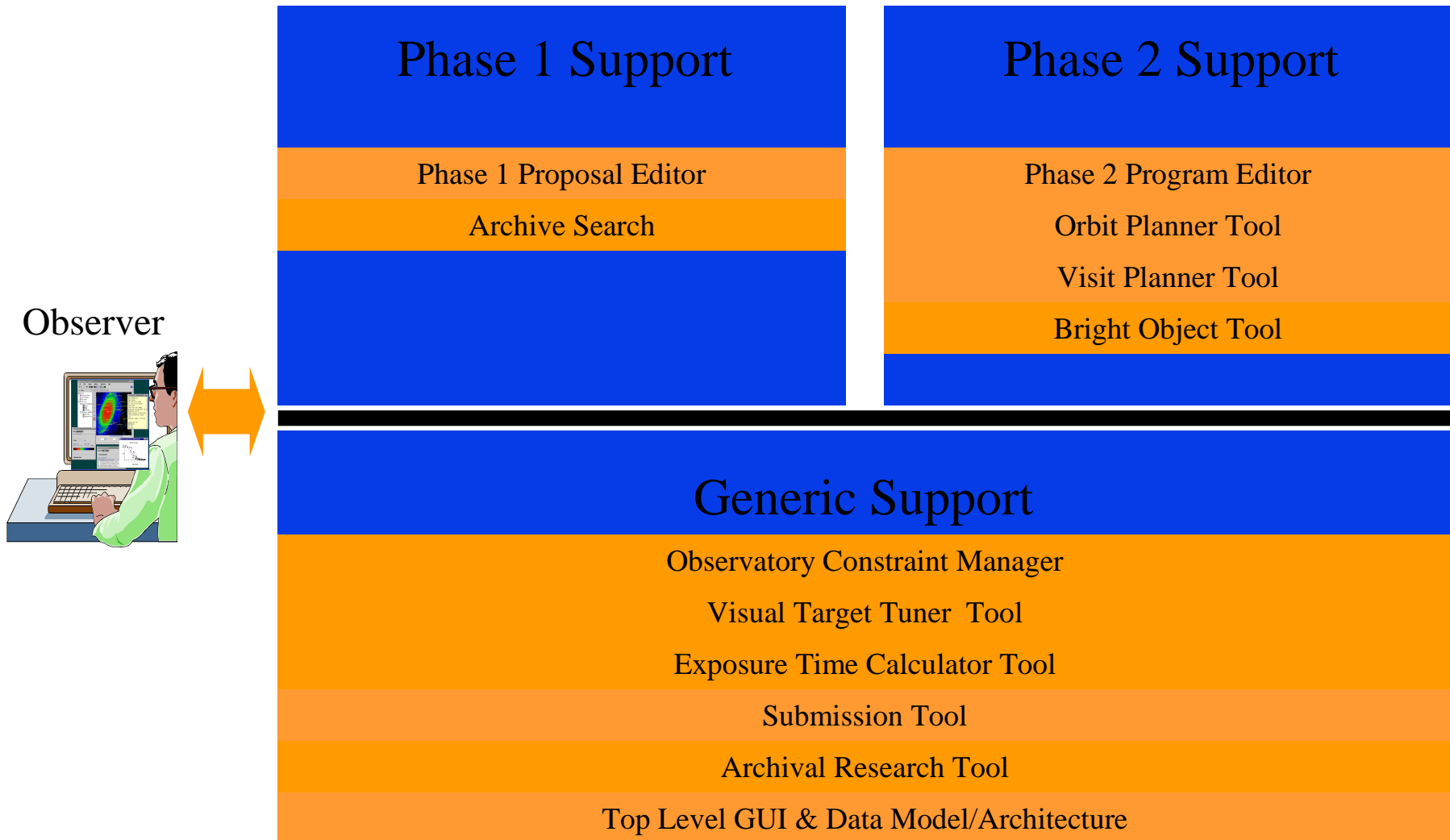
- **APT Status Update (Presentation) – Tony Krueger (20 minutes)**
- **New Phase 1 Features (Demo) – Brett Blacker (15 minutes)**
- **Discussion (10 minutes)**

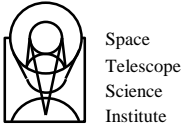


PROJECT: APT

APT Tool Suite & Status

Status as of: Nov 6, 2003





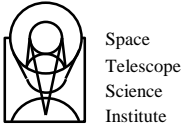
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APT Schedule

PROJECT: APT

Status as of: Nov 6, 2003

- **Cycle 13 Phase 1 Community Release - Dec 3rd, 2003**
- **Cycle 13 Phase 2 Community Release - April, 2003**
- **Provide Bi-Monthly Releases to STScI operations**
 - **Supports Operational Changes**
 - **Supports COS and WF3 Development**

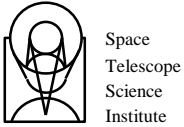


PROJECT: APT

APT Highlights

Status as of: Nov 6, 2003

- **APT was fully operational with the Cycle 12 Phase 2 Release**
- **APT working on improvements to APT for Cycle 13 based on**
 - **User Feedback**
 - **STScI Help Calls**
 - **STScI Initiatives**
- **Working on Supporting COS and WF3**



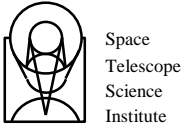
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APT User/Scientist Input

PROJECT: APT

Status as of: Nov 6, 2003

- **Formed an APT SAR (Science Advisory) Group**
 - **Provides more user & science perspective**
 - **A member from each Instrument team is represented**
 - **Help with Usability Testing and Tool evaluation.**
 - **Works with the APT User Group and APT project**
- **SAR Science Members**
 - **Brad Whitmore - Lead**
 - **Ron Gilliland – ACS/WFC2**
 - **Steve Lubow – APT User Group Lead**
 - **Tom Brown – WFC3**
 - **Max Mutchler – ACS/WFC2**
 - **Ken Sembach – COS**
 - **Stefano Casertano – TEL**
 - **Carol Christian – Science Division**
 - **Roger Doxsey – HST Mission Lead**

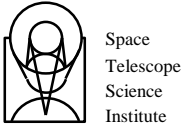


Phase 1 Highlights

Status as of: Nov 6, 2003

PROJECT: APT

- **Target Import/Export from Ascii Files (User & STUC requested)**
- **GUI Changes to Improve Usability (Based on Help Calls & User Feedback)**
 - **Target and Observation information are now separate**
 - **Supports Target Import Capability**
 - **No Limit on Number of Spectral Elements**
 - **Multiple Detectors in one Observation Block**
 - **Ex/ STIS/FUV-MAMA & STIS/NUV-MAMA**
 - **Easier to Specify Repeat Observations and Mosaics**
- **Less Address Information Requested (Savings to STScI & Less Work for PI)**
 - **Related to the STScI Address Registry Working Group**
- **Providing a Phase 1 Help Video (User Requested)**

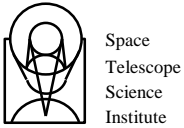


Phase 1 Highlights - Continued

Status as of: Nov 6, 2003

PROJECT: APT

- **Improvements to Reduce Firewall Problems (Help Call Feedback)**
 - **APT now uses one communication protocol to connect to STScI (HTTP)**
 - **Easier for users to set their Proxy Address**
 - **Asking Help from Users who had problems last year**
 - **4 users no longer have problems (Germany, France, Australia)**
 - **1 still has a problem, working with their sys admin**
 - **2 haven't tested software yet**
- **Providing Visit Planner in Phase 1 Mode (STScI Initiated)**
 - **Allows PIs with Large Programs to Check schedulability**
 - **Providing information about scheduling issues to watch for via UIR**
 - **Requesting more specific scheduling information, including flexibility, in the text portion of Phase 1**



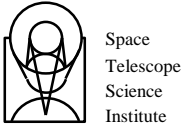
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Phase 2 User Survey

PROJECT: APT

Status as of: Nov 6, 2003

- **45/187 Phase 2 GOs responded – Conducted in June 2002**
- **Broad Range of levels of satisfaction**
- **Main Issues:**
 - **GUI/Editors: 20**
 - **Performance/Memory: 18**
 - **Large Props: 13**
 - **Orbit Planner: 9**
 - **VTT: 9**
 - **Support for MAC OSX: 8**
- **Issues were investigated and APT problem reports filed**
- **First issue is largely covered by RPS2 “like” input file**

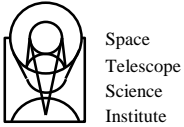


Phase 2 Highlights

Status as of: Nov 6, 2003

PROJECT: APT

- **APT will import RPS2 “like” files for Cycle 13 Phase 2 (User Requested)**
 - **Some small format changes**
 - **Will support a reduced syntax for special requirements**
 - **All Science capabilities supported**
- **Plan to support Macs for Cycle 13 Phase 2 (User Requested)**
 - **Ported Visit Planner already (Spike)**
 - **Currently working on Port and Testing of Orbit Planner (Trans)**
- **Working on generating a PDF file of Phase 2 Program (User Requested)**
 - **Proposal information**
 - **Orbit Planner Graphics**
 - **Visit Planner Graphics**
 - **Diagnostics**

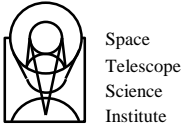


Phase 2 Highlights

PROJECT: APT

Status as of: Nov 6, 2003

- **Phase 1 targets will be available in Phase 2 (User and STUC requested)**
 - **STScI Operational Policy Change**
- **Orbit Planner Improvements (STScI Initiated)**
 - **Autofilling Orbits - Will make it easier for PIs to Pack their orbits**
 - **Working on Bug Fixes**

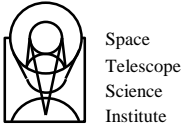


Other APT Highlights

Status as of: Nov 6, 2003

PROJECT: APT

- **Support for COS and WF3 (STScI Initiated)**
 - Changes across multiple APT tools
- **APT being updated to support GSC2 (STScI Initiated)**
 - Changes across multiple APT tools
- **New VTT Capabilities (User & STUC requested)**
 - 2MASS now available
 - FGS will be a supported science instrument
- **Working with ECF to set up a mirror download site in Europe**
- **Working on Memory Usage & Speed Improvements (Help Call Feedback)**



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APT Cycle 13 Phase 1 Beta Version

PROJECT: APT

Status as of: Nov 6, 2003

- **APT Cycle 13 Phase 1 Beta Version – NOT OFFICIAL RELEASE**
 - **Being Used for Acceptance Testing**
 - **<http://apst.stsci.edu/apt/testing/testproc-13beta.html>**