Glossary / Acronym List (December 2016)

Acronym	Description
AC	Archive catalog
ACS	Advanced Camera for Surveys
ADEC	Astronomy Data Centers Executive Committee - A collaboration of NASA archive centers including MAST, HEASARC, IRSA, NED, ADS, Chandra, Spitzer, NEXScI
AFTA	Astrophysics Focused Telescope Assets
API	Application Program Interface
ASB	Archive Sciences Branch – STScI branch responsible for archive interfaces and distribution, value added data, bibliography support and "MAST" activities
AUI	Archive User Interface
CAL	Science calibration pipelines
CADC	Canadian Astronomy Data Centre; A partner archive that hosts HST data. Currently CADC is providing previews
CAOM	Common Archive Observation Model: Unified model for metadata about observation (position, time, wavelength) implemented in a database enabling easy uniform cross-mission searches. Model implemented as a database. For HST and JWST missions updates to the CAOM database will be made via XML files which is an implementation of the model per observation. http://caom.googlecode.com/git/source/caom2/src/www/index.html
CMO	Community Mission Office (Marc Postman) http://cmo.stsci.edu/ CMO administers/oversees several smaller contracts such as
COS	Cosmic Origins Spectrograph
CRDS	Calibration Reference Data Systems
CTE	Charge transfer efficiency
DA	Data analysis tools
DADS	Data Archive and Distribution System: Provides archive ingest and batch distribution services
DDRF	Director's Discretionary Research Fund: Internal STScI staff research funding (used for Pan-STARRS archive development)
DMS	Data Management System: Inclusive term for all data handling, calibration, processing, archiving, search and distribution components.
DOI	Digital Object Identifier: A unique and persistent identifier for an entity on a digital network. These could be used to reference MAST datasets in publications. (See http://www.doi.org)
DIST	Distribution
DSB	Data Systems Branch – software development for HST/JWST/Kepler/TESS processing pipelines, archiving and distribution.
DPAS	Data Processing and Archive Services Branch – Data processing and archive operations for HST, Kepler and in the future JWST
EDP	Engineering data processing
ESA	European Space Agency
ESAC	European Space Astronomy Centre: The ESA partner archive that hosts HST data.
FFI	Kepler/K2 Full Frame Image
FUSE	Far Ultraviolet Spectroscopic Explore - https://archive.stsci.edu/fuse/
Gaia	ESA mission to chart a three-dimensional map of our Galaxy and the Milky Way. STScI will be an affiliated data center http://sci.esa.int/gaia/
GALEX	Galaxy Evolution Explorer
GSFC	Goddard Space Flight Center
GSC2	Guide Star Catalog 2

HEASARC	High Energy Astrophysics Science Archive Research Center – NASA archive for high energy data located at Goddard Space Flight Center
HLA	Hubble Legacy Archive (http://hla.stsci.edu): The HLA is a project designed to optimize science from the Hubble Space Telescope by providing online, enhanced Hubble products and advanced browsing capabilities. The HLA is funded primarily by the MAST grant and participants are or have been archive, instrument and HST mission staff members. The archives at CADC and ESAC participate in the HLA also.
HLSP	High Level Science Products (http://archive.stsci.edu/hlsp): Fully processed science products contributed by the community, including images, spectra, models and catalogs, that are ready for scientific analysis.
HCV	Hubble Catalog of Variables – ESA project with software and catalog based of off HSC
HSC	Hubble Source Catalog: The HSC The Hubble Source Catalog (HSC) is designed to optimize science from the Hubble Space Telescope by combining the tens of thousands of visit-based source lists in the Hubble Legacy Archive (HLA) into a single master catalog. https://archive.stsci.edu/hst/hsc/ Led from the HST Mission Office, the HSC participants include archive staff, OED Division Office staff and a JHU SDSS catalog expert.
HST	Hubble Space Telescope - http://www.stsci.edu/hst Hubble provides science support for HST
I&T	Integration and Test – group responsible for JWST requirement verification and SOC integration
ICD	Interchange Control Document - Document between two groups that define information and data exchange.
ING	Ingest
INS	Instruments Division
ITEB	Integration and Test Engineering Branch (I&T team)
IPAC	Infrared Processing and Analysis Center
IRSA	Infrared Science Archive
IVOA	International Virtual Observatory Alliance - is the vision that astronomical datasets and other resources should work as a seamless whole. Many projects and data centres worldwide are working towards this goal. The International Virtual Observatory Alliance (IVOA) is an organisation that debates and agrees the technical standards that are needed to make the VO possible. It also acts as a focus for VO aspirations, a framework for discussing and sharing VO ideas and technology, and body for promoting and publicizing the VO.
ITSD	Information Technology Services Division
JWST	James Webb Space Telescope http://www.stsci.edu/jwst/ STScI is providing science operations support.
JWST S&IT	JWST Science and Instrument Test data – Archive of test data available to instrument teams and engineers only.
Kepler	STScI/MAST supports the Kepler archive http://archive.stsci.edu/kepler/
K2	Kepler follow-up mission. STScI/MAST support the K2 archive http://archive.stsci.edu/k2/
JHU	Johns Hopkins University
LC	Kepler light curve
LLC	Kepler long cadence light curve
MAST	Mikulski Archive for Space Telescopes (http://archive.stsci.edu): The primary archive at STScI for a variety of active missions (Hubble, Kepler, Swift/UVOT), as well as past missions (Galex, FUSE, IUE and others) and future missions, including JWST, TESS, and AFTA-WFIRST.
MyST	Space Telescope Science Institute SSO authentication login
NICMOS	Near Infared Camera and Multi-Object Spectrometer
NAVO	NASA Archive Virtual Observatory – Project
OED	Operations and Engineering Division: STScI Division where most archive staff reside.
OPS	Operational tools and metrics
OPUS	OPUS is the telemetry processing system in place for HST for many years. OPUS pipelines

	will be replaced with a new OWL/Condor work flows beginning in December 2014.
OTFR	On the Fly Reprocessing: For many years all requested data for active instruments has been processed at the time of ingest and again upon each request or "on the fly". The reason to do this was two-fold: to ensure the best calibrations available were applied and to conserve disk space. As disk space has become less expensive, CPUs faster and new requirements to have data immediately available for download, OTFR will be phased out for most cases starting in December 2014 over the next few months.
POD	Photometry on Demand
PI	Principle Investigator
PS1	Pan-STARRS 1, a sky survey of 30,000 square degrees with multiple epochs that is 0.2 to 1 magnitude deeper than SDSS (with small regions that are much deeper)
Q#	Kepler Quarter, where # = 0 - 17
REPRO	Reprocessing
RIAB	Research and Instrument Analyst Branch: provides support for data analysis to STScI scientists, instrument teams, and HLA project
SB	Storage Broker
SID	Science Integration and Test Data
SSB	Science Software Branch – STScI science software developers working with instrument teams to implement calibration software; to develop data analysis tools; and the HST and JWST Exposure Time Calculators (ETC)
SDP	Science data processing
SDSS	Sloan Digital Sky Survey http://www.sdss.org/
SEB	Systems Engineering Branch
SLC	Kepler short cadence light curve
SM #	Hubble servicing mission number
SOC	Kepler/K2 Science Operations Center, where the data processing pipelines are maintained and run.
SSO	Single Sign-On: STScI's identity management system with goal for all users to have a single account and password for all STScI services e.g. Proposal Planning, Grants, Archive
STIS	Space Telescope Imaging Spectrograph
STUC	Space Telescope Users Committee advises from the users perspective on observatory operations
TESS	The Transiting Exoplanet Survey Satellite (TESS) is an Explorer-class planet finder. In the first-ever spaceborne all-sky transit survey, TESS will identify planets ranging from Earth-sized to gas giants, orbiting a wide range of stellar types and orbital distances. STScI will be providing archive services for TESS. http://space.mit.edu/TESS/TESS/TESS_Overview.html
TPF	Kepler/K2 Target Pixel File
VO	Virtual Observatory - is the vision that astronomical datasets and other resources should work as a seamless whole. Many projects and data centers worldwide are working towards this goal. The International Virtual Observatory Alliance (IVOA) is an organization that debates and agrees the technical standards that are needed to make the VO possible. It also acts as a focus for VO aspirations, a framework for discussing and sharing VO ideas and technology, and body for promoting and publicizing the VO.
WFC3	Wide Field Camera 3
WFIRST	Wide Field Infrared Survey Telescope – STScI supporting pre-formulation work and will support Phase A+B activities http://www.stsci.edu/wfirst
WFM	Work flow manager
WFPC2	Wide Field Planetary Camera 2
2MASS	Two Micron All-Sky Survey