Brief description of FASST project and features	Priority	Ease of Implem.: simple, medium or	Primary (Name)	Note	Others Impacted	Current MAST status	Brief descripti	Other resources
DATA DISCOVERY SERVICES: PORTAL AND WEB SERVICES	High		Interface team	Standards		Web services project	DATA DISCOV	Requires web services
Data-service and holdings descriptions	High		Interface team	Class-X, Simbad		Web services project	Data-service ar	Requires web services
Astro-browse style method for acquiring info on objects	High		Interface team			Web services project	Astro-browse s	Requires web services
Google-style search for portal contents	High		Interface team			Web services project	Google-style se	Requires web services
Query description standards	High		Interface team	Standards		Web services project	Query descripti	Requires web services
Data retrieval protocols (& standard descriptions)	High		Interface team	Standards		Web services project	Data retrieval p	Requires web services
Expert domain definitions, to organize data trees	High	s	Interface team		Science Div		Expert domain definitions, to organize data	
My-portal customization: accounts	Medium	s	Interface team			Web services project	My-portal custo	Requires web services
My-portal customization: data tracking	Medium	s	Interface team			Shark Cage I	My-portal custo	
My-portal customization: proposal tracking	Medium	s	Interface team			Web services project	My-portal custo	Requires web services
My-portal customization: deadlines, due dates	Medium	s	Interface team			Web services project	My-portal custo	Requires web services
My-portal customization: automatic data serach	Medium	s	Interface team			Web services project	My-portal custo	Requires web services
My-portal customization: automatic literature search	Medium	s	Interface team			Web services project	My-portal custo	Requires web services
My-portal customization: news (docs, software, press releases)	Medium	s	Interface team			Web services project	My-portal custo	Requires web services
Agent discovery	Low	c	Interface team			Web services project	Agent discovery	Requires web services
Simultaneous STScI catalog resources: simultaneous search of GSC2+SDSS+MAST and simple product production (sub-catalogs)	High	s	Interface team + SDSS + catalogs		Catalogs	to be assigned	Simultaneous STScI catalog resources:	
Expand catalog searches from different services, sky location-based: expand search to Chandra, 2MASS, Vizier	High	s	Interface team		Catalogs	ADEC	Expand catalog searches from	
Cross-correlation query service: access multiple catalogs, extract information from GSC2, 2MASS, SDSS: use joint object IDs (pre-existing cross-ID, dependent on database) ; or allow specification of nearest neighbor or brightest nearest neighbor.	Medium	c	Interface team+ science		Catalogs	Not yet possible: NVO	Cross-correlation query service: access multiple	
Plugin dev: plot query results	Low	m	Interface team	More useful for object cats than obs. cats.	ESS	Not in queue	Plugin dev: plot	XML standards makes this easy. But it's not immediately useful for observation logs.
Improve coordinate solutions	High	c	Instrument teams	SHARE	Catalog access, catalog update. Pipeline update data reprocessing	Will wait on inst team: ARCHDEV group	Improve coordinate solutions	

Derive and store instrument independent measures that quantify data quality and facilitate searches. Populate catalog: limiting magnitude or surface brightness, sky or extended emission estimate, image statistics, estimated number of sources, estimated number of cosmic rays.	High	c	Instrument teams+ Pipeline	New cat. Fields to populate, reproc. Necessary, incemental updates?	ESS/AB: Catalog access, update, data reprocessing	Contingent on inst. teams, much science input required to max. usefulness. ARCHDEV	Derive and store instrument independent measures that quantify data quality and facilitate searches. Populate catalog: limiting magnitude or surface brightness, sky or extended emission estimate, image statistics, estimated number of sources, estimated number of cosmic rays.	Spin-off of image combination: save statistics for catalog. Put in the image comb. requirements.
Facilitate new WCS coordinate standards (new as of fall, 2002)	High	s	Instrument teams	Standards	Data reprocessing, catalog updates	Contingent on inst. Teams ARCHDEV	Facilitate new WCS coordinate standards (r	
POLICY DEV: Standardize user data formats and methods for user data back to MAST	High	s	AB	MAST Standards		Treasury program, Legacy archive prog and large prog Pis contacted, prep questions and contact established. DADS requirements: retrieval/ingest/cat	POLICY DEV: Standardize user data formats and methods for user data back to MAST	
Co-add images and spectra	High	c	Instrument teams	SHARE	Pipeline, ESS, some interface; to allow custom?	DADS requirements: retrieval?	Co-add images and spectra	
Allow users to extract data without sending full datasets (e.g. rip through 1000 spectra, send continuum at 1400 Angstroms back) e.g. photometry, catalogs, equivalent widths.This amounts to allowing (restricted) access to user scripts at the end of the standard pipline.	Medium	c	Pipeline + ESS	SHARE	Proposal (call), instrument team script verification	DADS requirements: retrieval?	Allow users to extract data without sending full datasets (e.g. rip through 1000 spectra,	
POLICY DEV: Develop policy for HST instrument retirement & coordinate with Hubble Division	High	s	AB+Hubble Div				POLICY DEV: Develop policy for HST instrument retirement &	