Task #	Task Description	Date Opened	Reported By	Pri	Assigned To	Notes	Estimate	A&E; crib; script; suite; UG; DevG; Qref; AdmG
	To be Assigned or Discussed							
4719	file_http_copy requests getting blocked on some web servers	06/06/13	Marc Pulupa		Jim L/Clarina	Multiple requests in rapid succession (e.g. lots of small files) triggering DOS protection measures.		
4722								
4723								
4724								
	Hannes							
4153	maintenance of gmag stations "Exclude List"	10/11/2010	David	0	Hannes	Exclude List up to date as of 9/20/2012		
4018a	New Calibration FGM parameters and spin axis offsets	5/10/2010	Hannes	1	Hannes	**12/06/2012: Cal files updates, all probes from mid-August 2012 on.**		
4080	Attitude Determination next few months	6/21/2010	Hannes	1	Hannes	**5-24-2013 Updated for 2012-12-01 – 2013-02-21, tha, thd, the**		
4472	Inter-spacecraft FGM calibration for ARTEMIS.	1/4/2012	Vassilis	1	Hannes	**6/4/12 from Hannes: Artemis inter spacecraft differences show good results with current calibration**		
	Aaron							
4719	ESA energy table updates – TDAS mods (ESA packet processing, calibration, summary plots, etc)	8/2/2012	Jim L	1	Aaron			
4858	One-count removal for velocity slices – make cutoff value a parameter	2/22/2013	Aaron	1	Aaron	06/06/2013: Checked in some code, but duplicates some functionality in Pat's background subtraction code. Should they be merged?		
4711a	Getspec rewrite, sanitize ESA	05/23/13			Aaron	Convert to physical units, standard internal representation, strip extraneous fields to save memory		
4711c	Getspec rewrite, Apply theta,energy,phi limits	05/23/13			Aaron	disables bins based on user specified limits		
4711g	Getspec rewrite, Make PA/Theta spec	05/23/13			Aaron			
4711h	Getspec rewrite, Make Gyro/Phi spec	05/23/13			Aaron			
4711i	Getspec rewrite, Make En spec	05/23/13			Aaron			
4505	Add a TDAS routine to do 1-d cuts - **when ready to work send Aaron Bennenman an email for clarity of task and then review at the S/W meeting again with Vassilis.**	2/6/2012	Aaron Breneman	2	Aaron	You could obtain a 1D cut of a slice by aligning the custom orientation vector (slice_orient keyword) such that the desired cut is along the x or y axis. The data could then be pulled directly from the array returned by thm_part_slice2d via the 'part_slice' keyword. This returns an R x R array containing the interpolated slice data (R=resolution). The x & y axis values for the array are returned in the 'xgrid' and 'ygrid' keywords. 6/7/2013: Checked in some code, need to check with Aaron B. whether this is what he had in mind.	1 hr	
	Cindy							
4859	Double check processing & mirroring of Greenland GMAG data	3/6/2013	Cindy		Cindy	Some data for site "upn" was missing at Berkeley but present at UCLA. 6/7/2013: Identified missing files at UCLA, need Bill and/or Todd to fix		
4720	Update GMAG master CDFs with correct GIMA PI credited	06/05/13	Dieter B		Cindy	Master CDFs first, data CDFs when convenient to reprocess		
4842	GUI API – Plugin access to GUI configuration settings dialog (remote, local data dirs, etc)	1/18/2013		1	Cindy	Another item for the master plugin config file (add a new mission to the dropdown in the configuration settings dialog) On hold until after TDAS 8.0		
	Eric							
4713	Add GUI load panel for geomagnetic indices	05/24/13	Eric		Eric	6/7/2013: In progress. OK to create dependency on iugonet code?		
4717	Verify TDAS versus ssllib neutral sheet models	06/03/13			Eric	6/7/2013: In progress, combining wrapper and processing routines, then will get help validating results are as expected.		
4714	Set up cron jobs for mirroring NOAA data at UCB and UCLA	05/24/13	Eric		Eric			

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4689	need to keep clicking "yes to all" when replaying document that overwrites data. Also need to track deletions of data.	03/27/13	Pat		Eric	Looking into this one, I found that quite a few operations don't have overwrite queries tracked: Interpolate pwrspc calc nudge getspec Some seem to default to overwriting, some default to repeated queries to user. Original report: I loaded data for probes b and c and then went to plot the data and realised I should have loaded a and b for the tests. I returned to the load data panel and loaded the probe a data before deleting the probe c data. After saving as a themis document and reopening, the c data was loaded but not deleted. The data that was loaded and deleted using delete all data following the testscript does not appear when you reopen the document (as you'd expect).		
4715	Right click on data tree not showing metadata for non-THEMIS variables	05/24/13	Eric		Eric			
	Jim L							
4815	Developer guide updates for GUI API, placeholders for rest of SPEDAS to plugin interface	12/7/2012	Vassilis					
4709	Manual eclipse processing resets "last processed" date for automated processing; some processing logs not preserved	7/24/2012	Jim L	1	Jim L	If the automated processing is up to date, and I manually reprocess a time range early in the mission, the "last processed" date will get reset to the earlier date, which could trigger an unintended reprocessing of the full mission. "last processed" date should only be updated if it moves forward in time.		
4716	Add examples of eclipse spin model corrections to crib sheets (fgm, efi, scm, fit, mom)	7/27/2012	Vassilis	1	Jim L	fgm, fit, mom, updated; efi, scm, new eclipse crib in progress.		
4142	issue with FGS processing - timestamps	9/30/2010	Vassilis	1	Jim L	not trivial. After 4764		
2266	Timing of Spin Fit data	10/16/2009	Jim McFadden	1	Jim L	See 4142 After 4764		
	Jim M							
4716	thm_part_moments gives different results than it used to	05/28/13	Don Fairfield		Jim M	Two years ago Dr Miho Saito (who was in our lab at that time) visited UCLA and with the advice of Vassilis and others developed a program to calculate total pressure from esa and sst data. I ran this program successfully until recently. Now the program fails due to a problem with the routine reading esa data: thm_part_moments. I see no error messages but the results are clearly wrong because the day was run sucessfully in the past and I know what the results should be. It looks to me like all the energy channels are not being used resulting in incomplete energy spectra and too-low density. When this day is run with all 5 spacecraft the error is the same in all spacecraft.		
4784	Add RBSP orbit data to THEMIS plots	10/16/2012	Vassilis		Jim M	Plots are processing now, just need to add to summary plot menus. Add 2-hr plots, make plots wider.		
4779	SVN commit hooks for updating "Help->About" screen with current revision number. Possible for TDAS version string as well?	10/9/2012		1	Jim McT	It might be a good idea to add some functions like "get_tdas_revision" or "get_tdas_version_string", so that only a couple of files would be subject to version string updates, rather than having version string literals scattered around the TDAS code base that would all have to be updated. Will try making an ASCII file in bleeding_edge and release builds, see how that works before implementing SVN hooks.		
4152b	change the ESA tables such that the minimum magnetospheric electron energy becomes lower (about 3eV, or lower). McFadden can specify the lower energy	10/20/2011	Vassilis	0	Jim M	only ARTEMIS probes - Need to talk to Jim McFadden. Also need MOC Support. 5/03/2013: Need to update additional TOC checksums to prevent errors in instrument startup scripts.		
4152c	change the ESA tables such that electrons and ions can be changed separately into magnetospheric and solar wind modes.	10/20/2011	Vassilis	0	Jim M			

Task #	Task Description	Date Opened	Reported By	Pri	Assigned To	Notes	Estimate	A&E; crib; script; suite; UG; DevG; Qref; AdmG
	Nick							
4708	Add nan_cleanup keyword to thm_load_fit and thm_cal_fit. Default should be "no cleanup" for backward compatibility.	5/22/2013	Jim L		Nick	On hold until we see whether this is needed or not		
4704	Web site code & files should be checked into SVN	5/9/2013	Jim L		Nick	Workflow to update web site might need to change to keep in sync with repository		
4706	Replace difficult-to-modify Javascript menus on themis web site, clean up navigation inconsistencies	5/17/2013	Nick		Nick	2013-06-07: THEMIS done, working on ARTEMIS		
4611e	Add support to GUI configuration settings panel for editing/saving cdf_leap_second configuration. (See also: tasks 4516 and 1315 for ACE, WIND, ISTP).	4/17/2012		1	Nick			
4721	Use IDL file picker dialog for "export as image" function	06/07/13			Nick	Need a submenu to select the image format, then use standard file picker to specify directory/filename, then format-specific dialog for image conversion parameters (e.g. jpg compression, eps resolution)		
	Pat							
	Updated FGM calibrations for solar array currents vs. spin phase?	5/30/2012	Vassilis	0	Pat	Last Recieved – Jan 2013. May need to remind FGM team if we go a long time without updates. Check again in late June 2013		
4771	Writeup for new SST calibration	9/28/2012		1	Pat/Drew	For senior review. After 4844. (But 4844 will likely not be ready for TDAS 8 release...ready when senior review is due?)		
4711b	Getspec rewrite, sanitize SST	05/23/13			Pat	Convert to physical units, standard internal representation, strip extraneous fields to save memory		
4711d	Getspec rewrite, FAC transform	05/23/13			Pat			
4711e	Getspec rewrite, Regrid	05/23/13			Pat			
4711f	Getspec rewrite, Apply PA and gyro limits	05/23/13			Pat			
4718	Add new variables to SST L2 master CDF	06/06/13	SPDF		Pat	When new SST calibrations are validated.		
4861	Code maintenance issue – GUI coordinate systems			1	Pat	But there may be a code maintenance issue since we maintain two lists of supported coordinate systems. (One in thm_ui_req_spin.pro & one in thm_ui_cotrans_new.pro I just used a comment to future programmers, but a single list would probably be more durable.		