Task #	Task Description	Date	Reported By	Pri	Assigned To	Notes		A&E crib;
		Opened					Estimate	script; suite;
								UG; DevG; Oref: AdmG
	To be Assigned or Discussed							Qroi, / amo
4707	To be Assigned of Discussed							
4708								
	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	10-22-2012 Updated for 2012-04-01 – 2012-06-30		
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							
4468	Ongoing - Review all commits by Davin, Peter, etc for impact to TDAS.	3/27/2012	David	0	Aaron	Provide weekly report and spreadsheet		
1001			Det	1				
1301	they are very zoomed in. It should be possible to put a special case in that would make this work more quickly.		Pat	T		save some memory and fix some other issues		
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	Implement at lower level so can be used in more places		
4700	Trouble opening eps files exported from GUI	5/3/2013	Aaron		Aaron	Exports from slices gui OK, main gui not OK. Can be opened with OpenOffice on Linux, but not in Adobe Reader or Illustrator on Windows. IDL 7.0.6		
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.	1 hr	
4314d	combination of ESA and SST data could only be done in the Geometric mode. Would be great if it could be done in other modes as well	8/11/2011	Xuzhi	4	Aaron	on hold	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		
4860	Check inventory of Berkeley vs. UCLA GMAG CDFs and transfer any missing files	3/6/2013	Jim L		Cindy	On the Berkeley server, we have data for site "upn" for every day in 2010-06 *except* for 2010-06-06, the date used in the test. I'm looking in:		
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		
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	Cindy	May or may not make sense to combine with 4842, if too hard to integrate we can defer to a future release. On hold until after TDAS 8.0		
	Eric							
4764	Steps/Sawtooth pattern in FGS data near perigee	9/24/2012	Vassilis	1	Eric	Sudden changes at packet boundaries, probably a spin fit timing issue. On hold pending Jim L's analysis		
4764a	Script to identify time intervals with FGL/FGH/FGE coverage in high B field	9/24/2012	Vassilis	1	Eric	Look at THD starting from early March 2013 (after full reset), see when glitches start happening. Anything to do with eclipse periods?		

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4764b	Look at FGS dB/dt and FGS header times to identify when glitches are occurring	9/24/2012	Vassilis	1	Eric			
4764c	When glitches are present, compare FGS and waveform data looking for time offsets (off by 1 spin in FGS?)	9/24/2012	Vassilis	1	Eric	Seems to be happening intermittently, every other packet?		
4688	Add load routine for Kp index data.	4/8/2013	Xuzhi		Eric	ssl_general/key_param/load_kp.pro is obsolete, but Kp data is av	ailable from: ft	p://ftp.ngdc.noaa
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).		
4697	Omni load, if no data available for selected interval, loads whatever is available for that month	04/26/13	Eric		Eric	May be intentional to keep from producing empty tplot variables, but time_clip should at least produce a prominent warning.		
4694	Open legend options by clicking in legend box	4/18/2013	Eric		Eric	Similar to axis, panel, page options		
	Jim L							
4816	Eclipse spin model processing: some eclipses not being processed with current code, but Ferdinand's code is giving results?	12/7/2012	Ferdinand		Jim L	Ferdinand has updated eclipse model parameters for inner probes		
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.		
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							
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.		
4820	Need IDL-only FITS reader code suitable for inclusion in SPEDAS	12/11/2012	Mini-GEM		Jim M	Checked into SVN, needs to be documented in developers guide.		
4821	Use improved IDLDOC procedure to generate TDAS HTML documentation?	12/11/2012	Mini-GEM		Jim M	better format, more web-friendly? IDL 8.0+ versions OK since it won't be distributed with TDAS, only the HTML output.		
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			
	Nick							

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	Update FBK, FFT, ESA, SST configuration history HTML pages				Nick	Update monthly for now.		
4834	Add additional links to instrument configuration history pages	1/10/2013	Bob McGuire	1	Nick	1) From ESA, SST, other instrument pages 2) L1/L2 master CDFs 3) Possibly from one of the "Data" dropdown menu items? Emmanuel working on web site updates		
2078	bau_sunpulse_met assumes x86 endiannes (BugzID=13)		Vassilis	3	Nick	Tmtools libdecom code. On first call, do runtime call to check whether floats are big-endian or little-endian, set a static flag in that routine, then do appropriate conversion. JWL to test.		
4683	Change L2 FIT master CDF to allow different sample counts for efs and efs_dot0		Jim L			In progress.		
4684	thm_cal_fit: clean up NaNs in fgs and efs, reprocess L2 FIT		Jim L			After 4683. Will need to change code that writes variables to L2 CDF. Jim L to test sample reprocessed L2 file.		
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,	5/17/2013	Nick		Nick			
	Pat							
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 releaseready when senior review is due?)		
4701	thm_part_moments2 very slow with certain options	5/3/2013	Pat	1	Pat	Possibly related to new SST calibrations?		
4699	improve time series handling in plotxyz	4/29/2013	Pat	1	Pat	Add x-is-time, y-is-time keywords		
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.		
4696	Reorganize crib sheets	04/03/13	Pat	1	Pat	Maybe separate directories for "basic", "advanced", experimental" functions? (Will also need to update users guide and quick reference guide to reflect new crib locations)		
4519	getspec/thm_part_moments2 (CL) rewrite for maintainability	2/21/2012	Pat, Aaron, Jim M	2	Pat/Vassilis	Code has become prone to bugs, very difficult to understand and maintain, would benefit greatly from rewriting from scratch with "lessons learned" up to this point. Level of effort? Pat and Vassilis to go over code, improve documentation, and identify areas that could be improved.		
4519a	Aaron has identified some "cut points" for sections that can be pulled out as separate procedures.			2	Pat	Extract procedures, figure out which variables are used/required in each section.		
4506	GUI Getspec: Some regrid values yield all while plots (noticed in GUI getspec test suite for TDAS 7). If a re-write of thm_part_getspec this would be done as part of it.	2/8/2012	Aaron	2		In this case phi/theta values of 40x20, 45x20, and 64x20 yield plots but 50x20 and 49x20 do not. All energy fluxes appear normal. This is certainly something strange happening in thm_part_moments2, so we probably want to wait until after QA to fix it. After		
4521	GUI getspec: issues when setting phi limits and starting phi at same time -	2/8/2012	Aaron	2		I produced two phi plots with the phi limits set to 45 - 180; the second plot also had the start angle set to 90 degrees. That plot begins at 90 degrees and appears as it should until just past 160 degrees at which point the remainder appears to be 'smeared' and ends at a maximum of ~440. Because of this it is also hard to tell if it looped back to the data between 45-90 correctly. After 4519		
4507	GUI getspec: no way to return just an energy spectrogram	2/8/2012	Aaron			Formerly QA099 After 4519		
4825	implement error estimates (/get_error) for angular spectrograms	12/10/2012	vassilis					

		CIKD AD/ Sh	ould check Tsy	aanonko cribe	since some o	f them use Kn	indices Ther	
gowstr/GLC		DIRE_AFT SI		ganeriko eribe		i them use rep	indices. There	