

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.		
4724	Calendar widget should indicate valid date range	06/25/13	GEM-TDAS tutorial		Eric	Maybe a tooltip?		
4725	Generate combined ESA/SST moments in GUI	06/25/13	GEM-TDAS tutorial					
4726	Show data analysis commands & options in GUI history window	06/25/13	GEM-TDAS tutorial					
4728	Use SPDF web services to write a generic SPEDAS plugin to import arbitrary data sets	06/25/13	GEM-SPEDAS		Eric	First step: check out SPDF resources, figure out which services would work best with TDAS, estimate effort to implement simple proof of concept.		
4729	Investigate bug tracking/wiki support for SPEDAS developers	06/25/13	GEM-SPEDAS		Nick?	Integrate with TDAS SVN repository, or provide a separate sandbox?		
4730	Integrate idlneturl into file_http_copy?	06/25/13	GEM-SPEDAS			Would have to sacrifice IDL 6.3 compatibility, but most users should have upgraded by now		
4731	Add support for loading netcdf files	06/25/13	GEM-SPEDAS			Issues with thm prefixes -> spedas or spd, repository organization. First step may be to rename things in the release build scripts without disturbing the repository, if practical.		
4732	Rename TDAS to SPEDAS for next release	06/25/13	GEM-SPEDAS					
4733	Bug report: pxxm_pot doesn't always load in GUI (e.g. default day)	06/25/13	GEM-TDAS tutorial			No L2 moments CDFs for times before EFI boom deployment		
4734	trange keyword doesn't clip for thm_load_state	06/25/13	GEM-TDAS tutorial			By design (to avoid clipping spin model)		
4735	tsyganenko support in GUI	06/25/13	GEM-TDAS tutorial			Does this mean we'd have to distribute the DLM/DLL/so files with TDAS instead of providing a separate download? How would this work for the VM?		
4737								
4738								
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	In progress. Need Pat's FAC/regrid code in place in order to test.		
4711h	Getspec rewrite, Make Gyro/Phi spec	05/23/13			Aaron			
4711i	Getspec rewrite, Make En spec	05/23/13			Aaron			

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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. 6/14/2013: Implementing additional suggestions from Aaron B.	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								
4717	Verify TDAS versus sslib 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. 6/14/2013: Some results have changed with updated code, need to figure out why.		
4736	Add support for aGSM coordinates to neutral sheet model	06/27/13	Eric		Eric			
4714	Set up cron jobs for mirroring NOAA data at UCB and UCLA	05/24/13	Eric		Eric			
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).		
Jim L								
4831	Admin guide updates: eclipse spin corrections, chk_bfds archive	1/3/2013			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.		
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								

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4690	thm_mom_cotrans_cltestsuite is obsolete, either needs a complete rewrite to conform to current thm_load_mom usage, or merge any non-redundant tests into existing test scripts.	03/04/13	Jim M		Jim M	This test script can be dropped. In fact, most of the "cotrans" CL test scripts should be folded into the instrument "load" CL tests, with the exception of tests like cotrans_all_combos.		
4784	Add RBSP orbit data to THEMIS plots	10/16/2012	Vassilis		Jim M	Plots are on beta site now, also Nick's test area. Reprocess all plots so they'll be the same size?		
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	Scripts appear to be running but we're still seeing the old configs. Need to work with John McD, seems like a flatsat setup issue.		
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							
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. JWJL to test.		
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.		
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. After 4706		
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	What to do about differences between structure fields in the various system variables (!themis, !cdf_leap_sec, !goes)? Working, but doesn't support CDF_LEAP_SEC preserve_tt2000 setting yet.		
	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	In progress. Needed to test some of Aaron's code updates.		
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.		