

Task #	Task Description	Date Opened	Reported By	Pri	Assigned To	Notes	Estimate	A&E; crib; script; suite; UG; DevG; Qref; AdmG
<b>To be Assigned or Discussed</b>								
4929	Improve "basic" cribs		Pat		TBD	The tplot cribs under ssl_general/examples are good examples to follow for style. Cribs should be directly executable (not wrapped in a function call), with explanatory banners and comments. They should demonstrate loading raw L1 data, calibrated		
4929	Improve "basic" cribs		Pat		TBD	Making a basic "esa" crib		
4929	Improve "basic" cribs		Pat		Volunteers?	Still to do: asi cotrans dproc efi export fbk fft fgm fit spinfit gmag overplot scm		
4951	Inconsistent directory listing format from justice FTP server		Tami		Sysadmins?	Sometimes they get HTML formatted listing, sometimes plain ls output. Affects SPDF data		
5000	Merge WWW and GUI THEMIS summary plot routines				TBD	Probably not a good idea. The point and should be merged back – a common routine to load & process the data, then render as needed for WWW and GUI.		
5002								
5003								
<b>Aaron</b>								
4468	Ongoing - Review all commits by Davin, Peter, etc for impact to TDAS.	3/27/2012	David	0	Aaron	Provide weekly report and spreadsheet		
4970	Add Plugins menu to main menu bar, develop API routines so plugins can add their own menu items		Mini-GEM	0	Aaron	<b>Final testing in progress.</b> How hard to load plugin config file when the gui is started, rather than when the load data panel is opened?		
4908	Prevent unnecessary reloads of particle data		Aaron	1	Aaron	Keep track of last requested time interval in common blocks, so that gaps at beginning/end of day don't cause unnecessary reloads.		
4730	Integrate idlneturl into file_http_copy?	06/25/13	GEM-SPEDAS		Aaron	Would have to sacrifice IDL 6.3 compatibility, but most users should have upgraded by now. <b>OK to</b>		
4979	Integrate SST contamination removal options with particle slices code		Aaron		Aaron	<b>Initially</b> I thought this would be as simple as changing a couple keywords when loading the data, but it's now being performed post-load. The new code is in the SST sanitization routine for		
4968	SPEDAS wiki			1	Aaron	The documentation should be simple to drop a documentation for general particle processing		
4725	Generate combined ESA/SST moments in GUI	06/25/13	GEM-TDAS tutorial	2		Very preliminary at the moment, add to GUI in 6-12 months (so probably sometime in 2014)		
4929	Improve "basic" cribs		Pat	2	Aaron	sst mom part_products		
<b>Cindy</b>								
	Ping Sasha for status of back AE station data					<b>Pinged 7/2013, waiting for response</b>		
4687	Check with Ian Schofield about status of Dr. Hayashi's 1-sec STEP data set.	41369	Cindy		Cindy	<b>2013/10/17: Data being converted now, should be available in a couple of weeks</b>		
4990	Incorrect range_epoch values in L2 GMAG cdf		Tami		Cindy	In the file: thg_l2_mag_amer_20060309_v01.cdf we noticed that the range_epoch end time value is pretty crazy - 2163/03/09 00:00:00  We also noticed that there's no data for years 2007 and 2010.		
4997	Add support for new PG4 Antarctic magnetometer station				Cindy			
4975	Quick start guide for plugin developers, including design guidelines for CDFs, better documentation for time_double, file_retrieve, and other useful tools for creating load routines and GUI plugins		Mini-GEM		Cindy			
4967	SPEDAS wiki				Cindy	SPEDAS API documentation and other notes for plugin developers		
4924	Add new Alaska station and revived Arctic station to GIMA processing scripts, master CDFs, etc		Cindy		Cindy			

Task #	Task Description	Date Opened	Reported By	Pri	Assigned To	Notes	Estimate	A&E; crib; script; suite; UG; DevG; Qref; AdmG
4743	Clean up GMAG processing scripts		Cindy	2	Cindy	many variations of wget wrappers, will be much cleaner when code is consolidated. Should also look into consolidating database schemas for the various scripts.		
	<b>Eric</b>							
4993	st_type not set for data loaded through CDAWeb		Eric		Eric	For THEMIS, we use this attribute to mark variables as positions, or velocities. What about generic CDAWeb imports?		
4994	Add aGSM option for GUI data processing->cotrans		Eric		Eric			
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)		
4995	GOES overview plots failing for certain days		Nick/Eric		Eric	Probably because duplicate timestamps – this will cause the plot for that day to fail. Possibly issue in reorg code?		
4935	Use FGS-FGL correlation, FGS-FGE correlation, and presence of spikes in dB/dt to detect timing issues in FGS data.				Eric	Reorg code? FGS-FGE comparisons should be performed and reported packet-by-packet. See if spikes are detectable in very low fields (e.g. ARTEMIS). Output format should be amenable to further processing. Alternate approach: compare integrals, as opposed		
4956	Detect/repair missing(?) samples near FGM range changes in both waveform and spin fit data		Vassilis		Eric			
4981	Generate GOES summary plots from GUI		Jim L		Eric			
4905	Acknowledgments for GOES data from NOAA?		Eric			Contact Howard Singer to find out who should approve acknowledgements		
4966	SPEDAS wiki				Eric	Document GOES plugin (data source, available data sets, processing notes if any)		
4735	tsyganenko support in GUI	06/25/13	GEM-TDAS tutorial		Eric	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? <b>Done coding &amp; testing all that's left is documentation.</b>		
	<b>Jim L</b>							
4944	thm_load_fgm reloads and time clips state data if state is already loaded and less than a day is requested.		Pat		Jim L			
4983	Steps in plot of FGS-Tsyg – related to timing problems or new issue?		Vassilis		Jim L			
4960	Glitches at eclipse entry/exit that look like FGM range changes; some real range changes seem to be handled improperly		Yuri K, Eric		Jim L	May be a problem with FGM L0->L1 processing and detection of range changes.		
4969	SPEDAS wiki				Jim L	Spin model and eclipse processing, L0->L1		
4748	Jumps in FGS and FGL around times of FGM range changes	07/29/13			Jim L	May be a dropped sample at the time of the range change? Problem goes away with the start of the next L0 packet.		
	<b>Jim M</b>							
4992	Discrepancy between L2 esa electron moments and results of thm_part_products		Aaron		Jim M	ion moments look OK		
4962	Reprocess THEMIS AE index & summary plots to remove spikes and gaps, fix SST energy ranges				Jim M?	After SST L2 reprocessing finishes (mid-January)		
4977	MAVEN plugin		Mini-GEM		Jim M	Start with the "boilerplate" plugin code to get a MAVEN tab implemented; "guts" of the plugin will be implemented as instrument leads develop their ESA products & ion, and electron		
4965	SPEDAS wiki				Jim M	ESA products & ion, and electron		
4732	Rename TDAS to SPEDAS for next release	06/25/13	GEM-SPEDAS		Jim M	Process feedback from SVN users before committing to the repository reorg <b>MAVEN and RBSP developers warned of impending doom 1-10-2014</b>		
	<b>Nick</b>							
4996	Try building IDL VM release (using TDAS 8.0 *.sav files) with make_rt (so that IDL VM is bundled with the application and the user won't have to register with Exelis to get it.)				Nick			

Task #	Task Description	Date Opened	Reported By	Pri	Assigned To	Notes	Estimate	A&E; crib; script; suite; UG; DevG; Qref; AdmG
4999	thm_load_efi trange bug fix caused a change in spacecraft potential plots – why is this happening?				Nick			
4998	Migrate documentation from Trac wiki to MediaWiki on spedas.org				Nick			
4989	GUI Y-axis options "apply to all panels" bug		Pat		Nick	Reproduction instructions: #1 Plotted some mag data, each component(x,y,z) on a separate panel. #2 Go to y-axis, select "title" tab #3 Replace title with empty entry. #4 Select "apply to all panels" #5 Error: "Align annotations at: Invalid entry, value		
4964	Populate SPEDAS wiki with content from user's guide				Nick	ca		
4964	GOES summary plots (processing scripts, cron jobs, web site menus)				Nick	Need GOES acknowledgements for summary plots & "rules of the road" page – Eric to negotiate exact		
4986	WWW live demo for SPEDAS		Vassilis		Nick	WDSOME has some web pages to let people interact with a TDAS session via WWW. We should offer something similar as a TDAS		
4987	php summary plot generator		Nick		Nick	Extra effort required to switch to using php to generate summary plots (this will let us do things like link directly to a specific plot)		
4948	SPEDAS global configuration panel?		Jim L		Nick	Might be useful for non-plugin-specific configuration: tplot verbose level, command to launch browser, temp directory. Another tab in file configuration panel, or separate menu item for		
4961	Improve error reporting for cron jobs		Jim L		Nick?	global vs plugin specific A/E index processing are particularly prone to misleading or confusing error reports. There is probably a lot of room for improvement in our logging and error reporting process for these and other automated processing jobs.		
	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 mid-August 2013		
4991	file_http_copy issue with redirection		Yoshimasa Tanaka		Pat	encode_url definition needs be placed before compare_url, but after fixing this it is still failing on certain redirections (uppercase path component		
4945	Bad formatting in tplot variable labels		Pat	2	Pat	incorrectly encoded redirections have very limited fixed widths. If I print something wider, I get a bunch of '****'s. An easy way to get this is if you try to do a var_label with position in km ins		
4988	Alternate date/time formats for time_double		T. Hori		Pat	time_string allows custom output, but time_double doesn't allow specifying an input format (different punctuation, DOY instead of calendar dates, etc)		
5001	keyword for thm_part_combine that only returns SST data plus interpolated bins				Pat	Now that scientists have been using thm_part_combine we want to deprecate the code it was forked from that only returns SST data plus interpolated bins. To preserve that functionality we can add a keyword to thm_part_combine to skip the ESA concatenation and return the same product.		
4978	FAST plugin		Bob Strangeway		Pat	Implement FAST plugin & gui tab; may duplicate some functionality from the CDAWeb interface but that's OK – it gives us a way to cleanly integrate any FAST-specific analysis and plotting tools,		
4929	Improve "basic" cribs		Pat		Pat	summary plots, plotxyz		