Task #	Task Description	Date	Reported By	Pri	Assigned To	Notes	Estimate	script; suite; UG; DevG;
	To be Assigned or Discussed							
5026	Add heat flux (derived from eflux) to L2 ESA		Tai Phan		TBD	Will implement after Tai does some testing to determine how		
5049	spedas.org: add article with full list of capabilities (not just since last		Nick					
5050	spedas.org: road map for future development		Nick					
5051	Load Data tabs: each tab should get some text stating the time range for which data exists		Nick					
5054	THEMIS web page		Bob McGuire			Add page to THEMIS site describing pseudo-AE index products, which stations they are derived from. Bob M will update master CDFs at CDAWeb to link to this page.		
5055	Recurring task: periodically check CDAWeb plots, legends, etc. To ensure that they're consistent with what our software produces.		Bob McGuire			Especially important when new CDFs or variables are added, or when people are prepping for Senior Review		
5089	Show UFS bar in overview plots		Vassilis			After 5088		
5090	Method/crib to subtract SST-FT channels from corresponding SST-O channels to remove electron contamination in SST psif data		Pat			Option, or crib?		
5091	Reprocess overview and ESA ground moments plots				Jim M	L2 CDFs have had background subtraction applied, not reflected in summary plots		
5095								
	Hannes							
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							
4468	Ongoing - Review all commits by Davin, Peter, etc for impact to TDAS.	3/27/2012	David	0	Aaron	Provide weekly report and spreadsheet		
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. OK to proceed.		
4929	Improve "basic" cribs		Pat		TBD	Missing a basic "esa" crib		
QA154	If I set an illegal phi range(min > max) and hit apply, it prints an error message and reverts the setting to the last valid, but then it still generates the data product.		Pat			Since there was an error, I would think that it shouldn't try to generate it? This happens for the other range limits too, energy range limits, fac settings. Pretty much everything.		
QA155	If edit the min and the max. To put a valid min(not the default) but an invalid max, it will revert both the min and the max.		Pat					
QA156	If I set a phi max of 360.5, the error message is "phi max must be less than or equal to zero"		Pat			If feel like there is some modular arithmetic/congruence calculation going on behind the scenes. but the message doesn't really make that clear.		

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4968	SPEDAS wiki			1	Aaron	Slices (done), spectrograms (done), moments (in progress), background info & documentation for general particle		
	Cindy							
4153	maintenance of gmag stations "Exclude List"	10/11/2010	David	0	Cindy	Weekly on Mondays		
4358	Every 6 months check that the UCLA Mag Cal have not changed.	9/6/2011	David	0	Cindy	Check again in February 2015		
4781	GMAG station status: troubleshoot stations with no data reported				Cindy			
	Ping Sasha for status of back AE station data					Maybe Vassilis can ping? Or try contacting Oleg?		
4687	Check with Ian Schofield about status of Dr. Hayashi's 1-sec STEP data set.	41369	Cindy		Cindy	2013/10/17: Data being converted now, should be available in a couple of weeks		
5045	Develop mini-GEM tutorial with SPEDAS 1.00 updates		Vassilis		Cindy	Tutorial: incorporate examples using Van Allen probes, POES,		
5092	GIMA network changed directory structure		Cindy		Cindy	Need to update ualaska rsync jobs to reflect new layout		
5094	Add ~10 new AUTUMN-X gmag stations				Cindy			
5038	New GIMA ground station (Toolik Lake)		Cindy		Cindy	There's a new station, Toolik Lake .		
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		
4761	Add STEP polar magnetometer network (6 sites) to our data set.	9/17/2012	Vassilis		Cindy	4/04/2013: May take a year or more for Ian Schofield to collect and process Kanji Hayashi's data. Some 1-min data available for public use at step-p.dyndns.org/~khay (Dr. Hayashi's web portal). 2014-10-01 Some data is there on the server, but it looks sparse...is there anything missing?		
	Eric							
5074	POES overview plots		Eric			Wen Li had some suggestions. These will be a little more complicated than the THEMIS and GOES overview plots, with data from multiple spacecraft.		
5073	SPEDAS plugin API refactoring		Jim L		Eric	Move away from 1 config file per "hook", to 1 config file per plugin just to define the entry point for that plugin's initialization code, do everything else via API calls rather than config files.		
5068	Develop a compound widget to make the Data Analysis window code reusable by plugins				Eric	After 5073		
5046	User guide updates				Eric			
	Jim L							
4983	Steps in plot of FGS-Tsyg – related to timing problems or new issue?		Vassilis		Jim L			
4921	Add data quality flags (1 minute cadence) to state CDF, similar to ROI/maneuver flags.					For example: SDT time intervals, spin rate out of bounds, boom deployments, shadows, misconfigured EEPROM tables		
5024	L2 FGM and other CDFs do not exclude eclipse time intervals		Bob McGuire		TBD	Remove eclipse intervals from FGM L2, also add quality flags at 1 minute cadence. Then implement similar strategy for other instruments.		
5033	Draft document: "general" developement guidelines				Jim L	Circulate to Davin, and then the rest of the change committe members		
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.		
	Jim M							
5056	FGM b_total data shows up as sometimes scalar, sometimes 1-element array		Bob McGuire		Jim M	Master CDFs corrected, issue was limited to FGM. Hold reprocessing until 5024 and related tasks (FGM quality flags) are implemented.		
5057	Apply offset correction to equalize pxxm_pot with vaf s/c potential (optional keyword)		Jim M			Not default, add a keyword & documentation		

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5078	Moments code crashes, problem seems to be due to missing fgs data?		Tai Phan		Jim M	dead time corrections should be done in L1->L2 processing. Also, DTC don't seem to be working!		
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 data products & load routines.		
QA116	refactor wavelet transform					When we're done with QA, we should really consider refactoring the wavelet transform code in the data processing panel. It's very difficult (almost impossible) to figure out what's happening in 'spd_ui_dproc_par_choose'.		
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.		
	Nick							
5047	CDAWlib compatibility issues		Nick		Nick	Compile a report of issues we had (mixed case filenames, execute() calls, namespace issues, required subset to support "Load Data from CDAWeb") and forward to Tami to see which changes can be easily made at their end.		
2074c	quality flag for FGM data. (see also 5024, 4921)		Vassilis	2	Jim L	quality flags for FGM data: Hannes talked to Ferdinand and suggests some flags in the state CDF: times when eclipse spin model adjustments were performed; times when spin fit & FGL data used to refine the eclipse spin model; times when V03 attitude corrections not available, times when FGM data is noisy post-eclipse		
5093	Help request: pitch angle distributions crash in VM release		L. Alves		Nick			
5086	block average bug				Nick			
5085	Build and test VM release with IDL 8.4					This forces everything to be compiled, so we can see if there are any issues with IDL 8.4, besides the () versus [] issue Aaron found and fixed.		
	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 January 2014		
5087	scpot vs. sc_pot keyword (needs more prominent warning)				Pat			
5088	Ultrafast survey flag in L1 scmode CDF		Vassilis		Pat	UFS = presence of SCW or EFW for > 15 sec, with no gaps more than 1 sec long		
4929	Improve "basic" cribs		Pat		Volunteers?	Still to do: asi efi export fbk fft fgm fit spinfit gmag scm		
QA152	(page options) The "apply to all" option propagates the header/footer text, but should only copy the formatting options. This could probably wait until after release.		Aaron			(on a side note: it might be a nice feature to have a tab-specify apply to all as we've done with the x/y and z axis options)		
QA153	This is unrelated to the test suite, but I noticed that the GUI's title bar icon is still the THEMIS logo (might only show up on windows).		Aaron					
QA163	(minor) Apply to all does not propagate title size, font, and color to other panels.		Aaron					

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5084	Evaluate options for producing a call graph from a corpus of IDL code		Jim L	2	Pat	Write a custom parser, or leverage existing IDL tools?		