Task #	Task Description	Date	Reported By	Pri	Assigned To	Notes	Estimate	script; suite; UG; DevG;
	To be Assigned or Discussed							
4929	Improve "basic" cribs		Pat		TBD	The tplot cribs under ssl_general/examples are good examples		
4929	Improve "basic" cribs		Pat		Volunteers?	Still to do: asi efi export fbk fft fgm fit spinfit gmag scm		
5026	Add heat flux (derived from eflux) to L2 ESA		Tai Phan		TBD	Will implement after Tai does some testing to determine how		
5045	Develop mini-GEM tutorial with SPEDAS 1.00 updates		Vassilis			Tutorial: incorporate examples using Van Allen probes, POES,		
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		
5073	SPEDAS plugin API refactoring		Jim L			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.		
5077	THEMIS web page not rendered correctly in Chrome or Safari		Emmanuel			Some of the overlays collapse and overlap. On Safari, zooming the text slightly larger can fix the problem. Could be a CSS issue?		
5078	Moments code crashes, problem seems to be due to missing fgs data?		Tai Phan					
5082	How to compute Poynting flux of Pc5 wave?		Wenya Li			I have a pc5 case observed by THEMIS-D, and am trying to calculate the Poynting flux of this wave. I don't obtain much help from "thm_crib_poynting_flux.pro". I am still puzzled on how to calculate it.		
5083	Can't load L2 ESA data in GSM coordinates from the GUI		Wenya Li			The GSM velocity variables are present in the CDF and are populated, but the history window shows that they weren't loaded.		
5084								
5085								
	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		
5070	Exercise and troubleshoot simulation software				Aaron	close		

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QA030	Enhancement: 2d slices during eclipses?		Aaron			One of the researchers down here came by wondering if there was an option to apply the eclipse corrections when producing 2D slice plots. At the moment we can't use the corrections because the slices code assumes that energy and angle bins are static within a mode (this was primarily done to boost		
4929	Improve "basic" cribs		Pat		TBD	Missing a basic "esa" crib		
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.		
4968	SPEDAS wiki			1	Aaron	Slices (done), spectrograms (done), moments (in progress), background info & documentation for general particle		
	Eric							
5039	New Load Data tab for POES mission		Vassilis		Eric	Need to figure out what level of cleanup has been done in the CDF version of the data set – e.g. Is the 2 second data already contamination-removed? Also, some of the metadata seems incorrect (labels, units, etc). Will probably need some back-and-forth between us, SPDF, and NOAA to figure out exactly what we're getting.		
5068	Develop a compound widget to make the Data Analysis window code reusable by plugins				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.		
5075	CDF library version check needed for "Load Data from CDAWeb"		David Sibeck		Eric	The CDF library that shipped with older IDL installations (6.4.1) is incompatible with the "Load Data from CDAWeb" code, causing a crash. We should do a version check and pop up a warning, with patching instructions, if the CDF library is too old.		
5076	Magnetic Field Models, if GEOPACK not installed		David Sibeck		Eric	If the Magnetic Field Models panel is opened, but GEOPACK is not installed, the user is warned, but we should also include instructions about how to obtain and install it.		
5080	POES fill values in data (-1) don't match FILLVAL metadata (-1e-31)		Eric		Eric	Should be reported to Bob McGuire, they will probably need to update their master CDF.		
5081	GUI deflag panel in Analyze Data omits crucial information about how it operates		Eric		Eric	Add additional text to panel to explain how the FILLVAL is used		
5046	User guide updates				Eric			
	Jim L							
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		
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.		
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.		

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5033	Draft document: "general" developement guidelines				Jim L	Circulate to Davin, and then the rest of the change committe members		
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.		
	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					
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.		
5065	Autodetect SDT intervals from science or housekeeping data?		Jim M		Jim M?	See 4921. We can get a list from the MOC but it would be a very manual process. If we can reliably autodetect SDTs from science or housekeeping data, that would be better.		
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.		
4965	SPEDAS wiki				Jim M	ESA instrument info, data structures, calibration processes		
4758	Clean up s/c potential (onboard and ground), FBK and EFS data for time intervals when SDTs are running				Jim M?	Cleanup to be done in L1->L2 processing, using time intervals when SDTs were being run. Eliminate this contaminated data from summary plots and L2 data files. Time intervals to be provided by MOC and/or John Bonnell. After Jim L's task 4921.		
4927	Rename SPEDAS str_replace function to resolve conflict with Fanning's popular "Coyote graphics" IDL library.				Jim M			
4739	Investigate SVN-level access controls (e.g. keep SPEDAS developers out of ssl_general?)	07/01/13	Jim L		Jim M			
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.		
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		
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			
4694	Developers guide/admin guide update: troubleshooting SSH (SVN/rsync) access	7/6/2012	Jim L	1	Jim M	When setting up SVN access for a new user (or an old user using a new computer), or if a host key has changed, might need to do an interactive SSH login to answer the host key verification prompt before SVN or rsync will work. Dev guide due to SVN+SSH is		
4003	Document: ESA File and Calibation Processing	3/5/2010	David	1	Jim M			
4312	Quality flags for efi are wrong including electric field offsets in computation. **On hold until Michael Hartinger sorts out.**	8/8/2011	Vassilis	1	Jim M	**Other QF issues for EFI: SDT time intervals; incorrect biasing on THA due to changes in photoemission**		
4208a	Enhanced MOM Instrument Web Pages	3/5/2010	David	2	Jim M	Talked to David first.		
	Nick							

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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.		
QA053	config settings		Aaron			There doesn't appear to be a way to control where files for the geomagnetic/solar indices are stored. This may be more of a feature request than a bug.		
5072	Add documentation search (php + database) to web page		Nick		Nick			
5071	Host SPEDAS downloads on spedas.org rather than at SSL.		Vassilis		Nick			
5077	THEMIS web page not rendered correctly in Chrome or Safari		Emmanuel			Some of the overlays collapse and overlap. On Safari, zooming the text slightly larger can fix the problem. Could be a CSS issue?		
5067	Create a plugin based on the code we received from BARREL				Nick			
4743	Clean up GMAG processing scripts		Cindy	2	Nick	many variations of wget wrappers, will be much cleaner when code is consolidated. Should also look into consolidating database schemas for the various scripts.		
4961	Improve error reporting for cron jobs		Jim L		Nick?	The summary plot and AE 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		
QA151	(themis load) I ran into a case where selecting "no to all" for variable overwrite keeps new variables from being simultaneously loaded. (Deferred)		Aaron			a) load: probes=b,c l1=peef l2=peif_en_eflux,peif_t3 b) load: probes=b,c l1=peef l2=peeb_en_eflux On the second load if "no to all" is chosen for overwriting the peef variables then no peeb variable is be loaded. If l1 peef is de-selected or "yes" is chosen then the new variable is loaded.		
5079	nan keyword to interpol only valid in IDL 8+		Eric		Pat			
QA171	I've noticed that a number of our error handling blocks pop up the help request window before the actual error message. We should swap the order of those at some point.		Aaron					
4929	Improve "basic" cribs		Pat		Volunteers?	Still to do: cotrans dproc overplot		