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							
4656	THEMIS Orbits - Discuss with Dan Cosgrove on **July 9th**	6/4/2012	Vassilis	n/a	Discuss	**discuss at S/W top of Meeting 7/9**		
4692	Eclipse processing -- double entries for FGM-FIT corrections when reprocessing, missing FGM-FIT and histogram plots	6/5/2012	Jim L	0	Jim L	Need to merge rather than append incoming FGM corrections; plots generated in temp area but not copied to data directory. Prerequisite for 3093i reprocessing job.		
4693	BAU->spin model processing: 1.5 sec spin periods in spin model, but not in raw BAU sun pulse data	6/6/2012	Wen Li,Jim M	0	Jim L	THD/2012-07-01,07-02 Diagnose and reprocess L0->L1, L1->L2, summary plots		
4694	Developers guide/admin guide update: troubleshooting SSH (SVN/rsync) access	7/6/2012	Jim L		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 issue, Admin guide due to rsync over SSH issue.		
4698								
4699								
4700								
	v7.0 QA Tasks for Review with Vassilis							
	General							
	Tips of the Month		David		Jim L	Next Candidates: Lynn Wilson Routines; Eclipse auto pprocessing; FGM Reprocessing,CDF library 3.4.1 released (fixes memory issue for Linux users)		
4664	Laptop locks UCB and UCLA	6/6/2012	David	0	Team			
4647	I am reviewing a paper for GRL that uses THEMIS data incorrectly. Basically, the authors are trying to publish solar array switch spikes as evidence for DLs. I am sorry that I cannot give you more details. will notify the editors of this problem. However, it is entirely possible that such a paper could have been published and I want you to be aware of this problem. Perhaps a warning should be posted on the web site: (1) Axial boom data are not necessarily valid, particularly in the subsolar region. (2) THEMIS EFI data have unwanted "spikes" which come at four times per spin. These spikes are removed in released THEMIS data analysis programs, but the removal process can leave a residue.	6/1/2012	Bob Ergun - Colorado U	1	David/Emmanuel	Will discuss with David 6/18. All changes need to be approved by John Bonnell (very busy with RBSP at the moment). David will wrap up. Emmanuel made changes in beta site 7/5/2012.		
4695	GUI API for other missions to add GUI tabs, load routines, etc	7/6/2012	Jim L	2	Jim L, Developers	Cindy provided initial writeup, team to discuss and refine, present to Vassilis with estimated level of effort.		
	Hannes							
4153	maintenance of gmag stations "Exclude List"	10/11/2010	David	0	Hannes	Exclude List up to date as of 6/25/2012		
4018a	New Calibration FGM parameters and spin axis offsets	5/10/2010	Hannes	1	Hannes	**7/02/2012: THA spin axis offset done 7/6/2012, thd and the in progress.**		
4080	Attitude Determination next few months	6/21/2010	Hannes	1	Hannes	**Should be updated by end of June 2012.**		
4472	Inter-spacecraft FGM calibration for ARTEMIS.	1/4/2012	Vassilis	1	Hannes	**6/4/12 from Hannes: Artemis inter spacecraft differences**		
	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		
4493	2D slices, 1.5D Pitch Angle Distributions - command line in progress; GUI?	1/23/2012	Vassilis	1	Aaron	**7/2/2012: Andrei will look at this by end of week of July 9. Xuzhi: looks good**		

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4494	2D slices, 2D Pitch Angle Distributions - command line in progress; GUI?	1/23/2012	Vassilis	1	Aaron	**7/2/2012: Andrei will look at this by end of week of July 9. Xuzhi: looks good**		
4463	file_http_copy support for proxy servers	12/12/2011	IUGONET	1	Aaron	**Verified correct headers when going through local proxy. Email sent to IUGONET team to test under their configuration, waiting to hear back from them.**	1-3 hrs	
4536	GUI Slices:Step 8 g) Annotation precision only changes z axis labels (not x, y) . Is that as intended?	3/1/2012	Lydia	1	Aaron	**cmd line & crib changes checked in, GUI will take a little longer because we're running out of space and need to add a new tab.**	4 hrs	
4675	Excessive console messages from getspec. Example: "THM_SST_ATTEN_SCALE(63): Attenuator flags are invalid: 0" was repeatedly printed when producing a gyro spectrum for THA.	6/11/2012	Aaron	1	Aaron	Changed dprint levels, loaded all possible quantities, output is manageable now.	1 hr	
	Cindy							
4358	Every 6 months check that the UCLA Mag Cal have not changed.	9/6/2011	David	0	Cindy	Next October 2012		
4548	Panel options: But if I start by entering 99 for the Column value and click OK, I get the dialog message, and upon OK-ing it, the Panel options window will close. Now, returning to Panel options I see that the Column value is still 99, but changing it to anything else followed by an OK or APPLY doesn't change the actual plot. The only way now to change that Column value is via the "Cols Per Page" value in Plot/Layout Options.	3/15/2012	Ben	1	Cindy	Remove Row/Column controls from Panel Options. In progress.		
4481	New data product, AE index from THEMIS+std sites	1/9/2012	Vassilis	1	Cindy	**awaiting Russian data 7/2/2012: Still need data from 2007-2010, why has 2012 data stopped? Will ping again week of Jul 9.**		
QA280	Most option dialogs give a warning popup when invalid input is "OK"-ed, but close the option panel when the warning is dismissed.	3/15/2012	Ben	2	Cindy	In progress, will fix along with 4548		
4682	GUI API for easily adding tabs for other mission's load routines	6/20/2012	GEM	2	Cindy	**7/6/2012: Writeup sent to JWL, who will review and circulate to developers for comments**		
4696	Diagnose UATHA rsync failures	7/7/2012	Jim L	2	Cindy	Email sent week of July 2		
4665	Laura confirmed that teachers used both the EPO jpg files from the data archive at http://sprg.ssl.berkeley.edu/themis/GEONS/ and also data in ascii format (though she was not certain from what website they obtained that).	6/6/2012	Laura P (EPO)	1	Lydia	ASCII file list processing restarted. Needs to be more efficient:. option 1: only generate lists for current year. Option 2: Replace filesystem search with database inserts/queries. Lydia to investigate feasibility of (2). 6/15/2012: Probably a hybrid approach (use database, restrict filesystem searches to current year) will be best. In progress. Also, we were missing some "joined" files from 2007, reprocessing in progress. Lydia to log in from home week of Jul 2 and wrap up the task. **Completed 7/4/2012**		
	Jim L							
3093	Automate processing of eclipse sunpulse data from FGM team	2/22/2010	Jim L	1	Jim L	**Once prod reprocessing complete send announcement.**		
3093g	production cron job	2/22/2010	Jim L	1	Jim L	**testing in progress**		
4613	Prevent Email Storms when data servers go down	4/25/2012	Jim L	1	Jim L			
4613c	Modify existing processing scripts to log to the database rather than send their own emails	4/25/2012	Jim L	1	Jim L	cronwatch script converted, next will be VC, L0->L1, ephemeris, state V02, overview plot scripts.		
3093i	reprocess entire mission - notify Jim M and Tami before doing	2/22/2010	Jim L	1	Jim L	**To start week of July 1. One issue to resolve (error loading spin model for THD one date in 2008)**		

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4667	(Not 8.2) If the user selects "No" on the prompt to overwrite an existing themis document a second dialog window pops up with the message "Save cancelled by user". This seems unnecessary.	6/7/2012	Lydia	1	Jim L	in progress - eta 6/22	10 min	
	Jim M							
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. Jim M has CDI cmds and spreadsheet from Jim McF, writing IDL code to generate new energy tables so onboard moments will be correct.**		
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			
4688	Ensure that remote_data_dir URLs end in trailing slash	6/27/2012		1	Jim M	Had to back out change due to Davin's objection. Will look for Davin-approved workaround.		
4689	Add keyword to thm_asi_create_mosaic routine to allow setting the color of the text (in xyouts).	7/2/2012	James Weygand	1	Jim M	Jim M to send email to Weygand, let him know about the new keyword		
4458	Horae (rsync server for mirror sites) is dying and needs to be migrated to a VM Astrea2.	12/8/2011	Jon L	1	Jim M	**7/6/2012: Horae is dead. Only mirror site not completely migrated is Chile, waiting to hear back from them.**		
4458a	migrate Japan mirror site	40885	Jon L	1	Jim M	**in progress - they have new rsync**		
4458b	migrate France mirror site	40885	Jon L	1	Jim M	**7/2/2012: Difficulty connecting to themis-rsync, troubleshooting 7/6/2012: Working now!**		Y
4458c	migrate Chile mirror site	12/8/2011	Jon L	1	Jim M	**7/6/2012: Waiting to hear back**		
4639	Also, there are a bunch of other calibration files that are used FGM and other instruments. The installation of these files is not detailed in the admin guide yet. I created a new section, with only one entry for this particular cal file type. If we want to be thorough, we should probably do the others.	5/30/2012	Pat	1	Jim M	In progress 7/6/2012		
	Pat							
	Updated FGM calibrations for solar array currents, ADC nonlinearity available?	5/30/2012	Vassilis	0	Pat	Last Recieved - May 2012. May need to remind FGM team if we go a long time without updates.		
4697	Create a set of Benchmark Tests against IDL future versions (now for v8.2 beta). Run these tests and produce a report. In addition present this report to Exelis in a web conference with a demo of TDAS. Benchmark Tests should include tests for PC, Mac (leopard and lion) and Linux O/S.	3/21/2012	David	1	Pat	**Write up findings and present to Exelis (Formerly task 4458 -- changed due to unrelated task with same number)**		

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4687	if you followed the right set of instructions, you could create a set of plots that is clipped off screen. I verified that this is not an IDL 8.2 issue and occurs on IDL 7.0 as well.	6/27/2012	Pat	1	Pat	" The following steps reproduce the error consistently on Mac (I was unable to reproduce it on Windows). i. increased the size of the current page (containing plots) (I used 12 x 16 inches) ii. zoom out until horizontal scroll bar disappears iii. create a new page iv. add plots to that page The plots I got were clipped on the left side. It appeared as though the dimensions of the plots from the previous page may have still been in use. Switching pages does not correct the issue. The page's dimensions can be made large enough to fit the plots, but the error reoccurs when the dimensions are returned to the default values. Zooming corrects the issue if you zoom in to 100%. Loading a saved file does not appear to reproduce the bug."		
4690	The query to overwrite data has not been implemented for the goes, wind, and ace tabs.	7/2/2012	Pat	1	Pat			
4691	We added a feature to remember which selection a user has made for overwriting to the load THEMIS data tab. This information is stored in the THEMIS document so when you replay the document, you don't have to spent several minutes clicking yes and no furiously. (this also avoids errors that would occur if you make a different selection when replaying the data) This feature has not been implemented for the data processing operations. (We would want to do this for the wind, ace, & goes tabs when we do 4690 too)	7/2/2012	Pat	1	Pat			
4686	There were several reports that the dproc window was too small in IDL 8+. It looks like this is a side effect of the font change.	6/27/2012	Pat	2	Pat	For whatever reason, many widget sizes are specified in characters, instead of more standard units. This means that if the base font size of a character changes, so does the size of a viewable area. Just an FYI, I'm going to be rolling this one into the font size one. I'll list it as a reason why the font size change is such a pain in the rear.		