

Task #	Task Description	Date Opened	Reported By	Pri	Assigned To	Notes	Estimate (hrs)
To be Assigned or Discussed							
3042	33. QA: GUI panel options -- only updates panel titles on startup.	01/15/10	Aaron				
3043	36. GUI interpolate -- error with multiple quantities selected and one is out of range -- bad item not skipped, following items not processed.	01/15/10	Pat			#2 Loaded data for data 2007-03-24. Types: efi_vaw, tha_fgl_dsl, tha_fgh_dsl. Make all data active. In the order above (I believe most active is important). Open	
3044	38. QA: GUI interpolate -- Interpolating state data to match efi_vaw, "data out of range" error if no state samples fall within the efi_vaw time range.	01/15/10	Pat			#4 Date 2007-03-24, data efi_vaw, tha_state_pos. Make state active. Select "interpolate", select "match"	
3045	42. QA: CL plotxyz -- /noticks test has tick marks	01/15/10	Jim M				
3046							
General							
2186	I noticed that the Data->Collaboration Tools->(subcategories...) fall behind the ARTEMIS graphic.	7/28/2009	Michael	2	Amanda	Run Compatability View in Internet Explorer	
	Revise the Data Products Web page		David		David		
	Incorporate electron calibration into data	10/25/2009	Vassilis		Davin		
	Enhanced SST and MOM Instrument Web Pages		David		Davin		
2103	EAC offsets	8/1/2009	John Bonnell	2	John B	John has taken AC coupled data -> he	
2216	Fix the sign reversal of e34.	8/13/2009	Michael	tbd	John B	Etc 10/23	
	one outstanding issue with THM_LOAD/THM_CAL_EFI is that for some reason when I ask for the calibrated data in SPG (which should just be adjustment of gains and offsets, and conversion from ADC units to physical units, the code is trying to do some despin operations. Since this has direct impact on my ability to evaluate the EFI data quality,	9/8/2009	Jim M		John B	Review Jim's fix, Eta 10/23	
Harald							
	ASI software - running fine as of 11 January 2010, L1's and mosaics are up-to-date.				Harald		
	Thumbnail Data (updates will come around November 16):				Harald	Updates ready 7-10th of the next month	
	- cdf files done until November 30, 2009						
	- overview plots done until November 30, 2009						
	- movies done until November 30, 2009						
	Full-resolution raw data:				Harald	2 new Calgary disks containing full resolution data until mid April 2009. Finished processing everything until 2/28/2009. March in process.	
	- complete for 2007 and 2008						
	- reasonably complete until mid April-2009						
	Full resolution data:				Harald	need to finish processing of data that were on transfer drives from Calgary	
	- data cdf done for all 2007 and 2008 and until 03/31/09						
	- keogram cdf done for 2007 and 2008 and until 02/28/09						
	Web site mosaics and movies:						
	- Mosaics and movies reprocessed for 2007/2008 season						
	- Mosaics and movies reprocessed for 2008/2009 season					November 2008 mosaics to be reprocessed	

	Web site overview plots with full resolution data:						
	- overview plots done for 2007 and 2008 and until 02/28/09					Need to update with data on transfer drives from Calgary	
2069d	UCLA – mirror site set-up		Vassilis	1	Harald	UCB has sent 4 bricks to UCLA. After brick transfer UCLA will need to supply SSH key - RSYNC Key.	
Hannes							
2273	Attitude Determination changed based on spin tone removals?	10/19/2009	Hannes	0	Hannes	Hannes will process See 3023	
2074c	quality flag for FGM data		Vassilis	2	Hannes	on hold	
2082a	Spin modeling during shadows BugZid=43		Vassilis	2	Hannes	Jim L to write routine. Hannes send info.	
Vladimir							
Aaron							
2033	VMO file generation		David	1	Aaron		
2033a	One variable change to ASI files and possibly the whole repository		David	1	Aaron	changes sent to Jan	
2033b	SCM and EFI L2 variables		David	1	Aaron	Ready to go	
2033c	V03 L2 STATE - revision needed?		David	1	Aaron	send Jan an email	
2013	2-D, 3-D slices enhancements					Talk to Andrea, Christine, Shanshan	
2013m	User's Guide write-up and then review with Xuzhi		David	1	Aaron	First create outline,	
2013h	Main: Temporal slider Bar - in progress Export to .png file Allow for use outside GUI	11/13/2009	Vassilis	1	Aaron	in progress	
2013j	Plotting: Contour lines Display min/max Title information (same as old slices code) Specify x,y,z ranges Axes titles Axes ticks Plot ESA boundary		Vassilis	1	Aaron	on hold until 2013h completed	
2013k	Create our own version of slicer3.pro that can take user input to setup colors, orientation, etc. when it's called.		Vassilis	1	Aaron	will be completed when 2013h completed	
2013l	Integrate our own slicer3.pro gui with regular 2-D slice plots.		Vassilis	1	Aaron	will be completed when 2013h completed	
3014	We don't have support for filled symbols. This means symbols are	12/11/2009	Pat	2	Aaron		1 day
3016	There is no way to control the variable font size from the variable panel. There was a barrier to adding features to the variable panel when this came up before, in terms of a design that was too complex to modify reliably. When I fixed some previous bugs in this panel I simplified the code considerably. I now think that adding this feature is feasible.	12/11/2009	Pat	2	Aaron		1/2 day
3031	GUI Overview plots sometimes have diamond shaped artifacts in the sample rate bar. Should fix.	01/05/10	Vassilis	2	Aaron	This is a side-effect of the a way that symbols are used as a hack to generate the sample rate bar. Fix after 3014 is fixed.	
3001	I'm getting a crash in the calculate window after I delete the text in the program area and then click on a data quantity from the tree. The error message is below	12/7/2009	Aaron	2	Aaron	found during EFI testing	
2253	Fix crib errors - Christine's list of 9/23/09	9/23/2009	Christine	2	Aaron		
2027e	Finishing the coordinate transformation of the thm_load_state data at input, to include transformation of spinaxis attitude, need to determine keyword switch, implement the rotation of the spinaxis elevation/azimuth from gei to arbitrary coordinates (consult with Pat,		Vassilis	2	Aaron	not allow velocity to go bad	
1579	When importing a variable with a valid 'V' component in its data struct, but no spec flag set in its meta data, the loaded data object fails to load the y-axis. This should be fixed, as it ends up incorrectly loading certain spectral quantities.		Pat	3	Aaron		
2121	When thm_load_fit is called requesting a single data type it will also return some auxiliary data types. For example: thm_load_fit,probe='b',datatype='fsgs' returns: 1 thb_fit_code 2 thb_fit_npts 3 thb_fgs. load bug or test script bug) b. The			3	Aaron		
2028	Variable units – generic solution - thm_load_spin, _state, _hsk, _sst, _esa, _bau, _fgm, _fbk, _fft, _fit, _scm, _efi, _trg, _asi, _qmag, _ask, _mom, _esa_pkt		Vassilis	3	Aaron		

2029	From Hannes		Hannes	3	Aaron		
2029a	Provided is the most common plot used by scientists that look at magnetic field data. Four panels Bx By Bz Bt and the position X Y Z as variables. Often the radial distance R is another variable. It would be great if someone enters e.g. tplot,'tha_fgs_gsm' such a useful default plot would appear. I am currently not able to produce such a plot using tplot. Another useful plot would be instead of one trace per panel, 5 traces per panel. One for each spacecraft and 5 sets of positions as variables at the bottom. For example: tplot,'h?_fgs_gsm' could produce such a plot. Also some standard plots that combine ground and spacecraft data could be useful.		Hannes	3	Aaron		
2029b	The level 2 CDF files at http://themis.ssl.berkeley.edu/data_download.shtml should contain position in various coordinate systems as well. Preferably in the same resolution as the data. Otherwise Scientists need to get the position from another source. Notes from Vassilis: option to introduce the data in RE with keyword (one RE =6,478 kilometers ???). Like thm_load_fgm/pos_units= 'RE'. Also thm_load_state keyword		Hannes	3	Aaron		
2029c	If one loads fgm data from probe 'a' and let's say there are no data for the chosen interval. The variables tha_fgl and tha_fgl_gsm etc. should all be empty. It could be those variables still contain data from the previously loaded interval		Hannes	3	Aaron		
2030	upgrade thm_load to work with probe assignments		Vassilis	3	Aaron		
2031	move functionality of thm_load_state2 into thm_load_state and delete thm_load_state2		Vassilis	3	Aaron		
2032	Multiple enhancements concerning keywords, valid_names and thm_load routines		Vassilis	3	Aaron		
	Cindy						
2239b	Load Panel Bug: Loading state data for any probe and requesting level 1 data type "*", it doesn't load all the support types(spinras etc...). This also doesn't work if I shift-select all the quantities in the type list.	11/13/2009	Cindy	1	Cindy	This week	
2239c	Load Panel Bug: When trying to load gmag data from the gui station=kian, I got the following crash: % Attempt to subscript NEW_TVARS with NEW_VARS_IND is out of range. % Execution halted at: THM_LIL_NEW_LOAD_DATA2001542	11/13/2009	Cindy	1	Cindy	This week	
2297	Update the User's Guide for v5.2	12/2/209	David	2	Cindy		
	Jim L						
3035	Copy attitude-corrected version 02 state data into v03 files	1/11/2010		0	Jim L	Awaiting V02 state (Hannes (2273))	

2034f	revised QA script for FGM (path finder for other scripts to be revised later), instrument tests for load and calibration in progress		Vassilis	1	Jim L	In progress.	
3037	Support new apid 44F (survey FFT) in tmttools L0 packet processing code.			1	Jim L		
3038	Update sample timing code to be compatible with apid 44F decimated FFTs.			1	Jim L		
3039	Create new master L1 CDFs for new datatype, based on FFW and FFP (new data product name TBD, probably FFF (FFT fast survey) or FFS (FFT slow survey) depending on expected usage.			1	Jim L		
3040	Update load & cal routines to handle survey FFTs			1	Jim L		
3041	Update overview plots to handle survey FFTs?			1	Jim L		
2149g	write a routine to check time tag monotonicity and repair tplot variable if necessary (with options for "replace with NaN" and "delete")		Jim L and Michael	1	Jim L	assign when 2149e started. Michael: Since it is difficult or impossible (in post-processing) to identify all of the bad time tags (or even some of them -- e.g., the fast->slow case), I recommend that we just remove what is needed to make the time tags monotonic, and issue a warning indicating that the user should consult	
2266	Timing of Spin Fit data	10/16/2009	Jim McFadden	1	Jim L		
2149h	integrate time tag fixer-upper with TDAS load routines		Jim L	1	Jim L		
2248	once in a while (maybe 10-20 occurrences per probe during the entire mission), the FGM range doesn't change on all three axes at once:	9/10/2009	Jim L	1	Jim L	see 2149g and h	
3000a	Review and update if needed Variable Desc Document	12/3/2009	David	2+	Jim L	For L1 cdf's variables	
2082a	Spin modeling during shadows BugZid=43		Vassilis	2	Hannes	Jim L to write routine. Hannes send info.	
2035	Split L1 ESA (using Thomas's routine) in master ESA data cdf		Vassilis	2	Jim L	On Hold - awaiting Jim McFadden release: Then send David Sub Task List; Calibration variables removed from L1 data master CDF. (Side note: found and reported a bug in SKTEditor, which the Goddard team has agreed to fix...) Waiting for feedback from Jim McFadden about how calibration data should be handled (TH-A ASCII calibration file (used for all probes) doesn't match anything I removed from the data CDF).	
2036	GOES 10-12 Test data: h. update labels (Howard's request - minor tweak)		Vassilis	2	Jim L	determine if to be reassigned	
2038	STATE Web Page (s)		Vassilis	2	Jim L	review web pages	
2039	bad timing sun pulse times (early January 2009)		Vassilis	2	Jim L	Clarification needed	
2040	L1 Data Processing History Info: SCM, EFI, STATE		Vassilis	2	Jim L		
2043	Refactor repeated CDF library code in CDF processing tools BugZid=50		Vassilis	2	Jim L		
2046	Create a more efficient & productive prototype QA Instrument Command Line Script - first template (s) functional blocks then scripts for FGM, ASK, SCM, FIT, MOM, ASI, EFI, FFT, FBK, Gmag, State, SST, ESA		Vassilis	2	Jim L	In progress. Several templates created, selecting the appropriate command line routines to test.	
2047	Separate E and B timestamps for spin fits: a) make a revised V02 master CDF with E and B separated b) change thm_load_fit to support V01 and V02 of the L1 CDFs c) change the L0->L1 processing code d) change the L1->L2 processing code e) test the changes, then reprocess to create the V02 CDFs (keeping the V01 files around for a while to ease the transition) BugZid=45		Vassilis	2	Jim L		
2047a	FGS sample times and values, showing repeated timestamps. BugZid=113 (BugZid=67 must be done first)		Vassilis	2	Jim L		
2047b	Repeated timestamps and gaps in spin fit data BugZid=113 (#67 may fix this one as well).		Vassilis	2	Jim L		
2077	Non Monotonic timestamps. BugZid=72		Vassilis	2	Jim L		
2078	bau_sunpulse_met assumes x86 endiannes (BugZid=13)		Vassilis	2	Jim L		

2080	Phantom packets" cause non-monotonic distribution times. BugzID=25. low priority.		Vassilis	3	Jim L		
2081	Evaluate CDF compression algorithms BugZid=81		Vassilis	3	Jim L		
2083	Add "last processed" time to L1 (and L2?) CDFs BugZid=115		Vassilis	3	Jim L		
2084	. transforming one data point from SM coordinates to GSM coordinates. ct=time_double('2008-02-16/04:50:00') dipole=[[0],[0],[1]] v=[1,2,3] store_data,'dipole_sm',data={x:ct,y:dipole,v:v} cotrans,'dipole_sm','dipole_gsm',/SM2GSM cotrans,'dipole_gsm','dipole_gse',/GSM2GSE get_data,'dipole_gse',data=dipole_gse xdipgse=dipole_gse.y[0] ydipgse=dipole_gse.y[1] zdipgse=dipole_gse.y[2] tilt=atan(xdipgse,zdipgse) When I check the data for 'dipole_gsm', the values are 0.0.0. I'm not sure what they SHOULD be but I know		Christine	3	Jim L		
	Jim M						
3006	While looking at some plotting issues Jim McTiernan and I found an issue with the burst summary plots. Maybe that this was intended some time ago but I don't think it's right. I attach two plots. The file Tohban_esaburst_20091201_0024.png is what you get on the web site. The bursts on THA, THD, and THE all appear as about 6 hours long. My own plot burst_20091201.gif shows all the bursts with their correct time durations. Somehow the overview plot routing extends each burst by something like 1-3 hours. I don't think that this is	12/8/2009	Vassilis	0	Jim M	All Overview Plots will be reprocessed post L2 rerocess.	
3010	March 1-15 mosaics should get reprocessed	12/9/2009	Harald	0	Jim M	Processing March 9 2002 currently	
3036	Reprocess L2 FGM products with enhanced code		FGM Team	0	Jim M	Awaiting V03 state (Hannes 2273, Jim L 3035)	
3015	The data processing panel doesn't allow split components. This is fine for some operations, even required, but for some operations this doesn't make sense. For example, clipping. There is a good chance that some people will want to clip each component at	12/11/2009	Pat	tbd	Jim M	Jim M to assess	1 week
2056	SCM L2 cdf		Vassilis	1	Jim M	Awaiting feedback -Olivier needs a ping.	
2228	one outstanding issue with THM_LOAD/THM_CAL_EFI is that for some reason when I ask for the calibrated data in SPG (which should just be adjustment of gains and offsets, and conversion from ADC units to physical units, the code is trying to do some despin operations. Since this has direct impact on my ability to evaluate the FFI data quality	9/3/2009	John Bonnell	1	Jim M	fix awaiting JB review, eta 10/15	
2225	L2 EFI cdf (quality flags)	8/31/2004	Vassilis	1	Jim M	in progress all done except quality flags. That to come 02/2010. Then test files to be sent to SPDF and Jon	
2227	L2 SST cdf revisions	8/31/2004	Vassilis	2+	Jim M	awaiting SST calibrations	
3021	Data Processing History Web Pages - SST_SCM_FGM_FBK_FIT	12/15/2009	David	2+	Jim M	Also activate links from Data Desc	
2288	had expected that this cotrans would occur at the very end, after all the calibration code. But the calibration itself seems to be affected	11/12/2009	Jim	2	Jim M	see 2256	
2057	SCM CAL File Processing Doc		Vassilis	2	Jim M	text completed. Put into std document format and send to Olivier for review	

2283	There is another aspect to this problem. Dead-time corrections are severe for ion ESA SW data and there are no dead-time corrections for onboard moments. Some algorithm will have to be developed that does this correction after the fact. Davin developed an algorithm like this for Wind 3DP. That algorithm may not work directly due to differences in energy sweeps, but something like it could be developed for THEMIS. Davin and I can provide some advice and direction. Similarly electron onboard moments in the SW may also need some corrections -- this should also be worked out at the same time.	11/2/2009	Jim Mcfadden	2	Jim M		
2058	found 3 errors in the new th*_l2_esa masters - the good news is, with them fixed in our masters, all plotting issues w/ the ESA files (in CDAWeb) seem to have been resolved.		Vassilis	2	Jim M		
2060	L2 cdf Quality Flags: for SST		Vassilis	2	Jim M		
2175	L2 File Definitions Document		David	2	Jim M		
2062	Alberta - At the moment the data files are from Dawson (daws), Churchill (fchu), Island Lake (isll) and Fort McMurray (mcmu). I will add Rabbit Lake and Taloyoak at some time but we have some issues with mag pointing at those 2 sites. If you recall, the agreement between Ian and Vassilis was that this data wouldn't be copied to become part of a mirrored archive like the existing data we provide. Instead, each file would be obtained from this site each time it is requested (using curl or some such). This means we can use our own logs to monitor data usage. Themis Software to be able to retrieve from Alberta		Vassilis	2	Jim M		
2087	Administrator's Guide		Vassilis	2	Jim M		
2088	Themis Developers Guide		Vassilis	2	Jim M		
2224	thm_load_mom: for quantities like velocity, the coordinate system isn't stored in the meta data, and none of the units are stored in the place we normally try to store them (from Pat - Vassilis concurs) Will take a look		Vassilis	2	Jim M		
2090	that streamlines the generation of gmag stackplots and a crib to show how to do this. (< than a day)		Vassilis	2	Jim M		
2091	Once Jim McFadden completes his mods for n_3d_new_3 reprocess L2 cdf's - entire mission		Vassilis	2	Jim M		
2092	thm_load_mom changes - reconcile mods with Davin at an appropriate time.		Vassilis	2	Jim M		
2055	ESA L2 from L1 (not packets) - create L2 and test thoroughly, then reprocess ESA		Vassilis	2	Jim M	On Hold; awaiting Jim L to split L1 into master cdf	
2093	AE Indexes Issue Jan 8-12, keyograms Jan 12-13, Stripes- Vassilis: minor nuisance		Vassilis	3	Jim M		
2094	Overview plot change: mode bar seems thick		Vassilis	3	Jim M	nothing we can do easily	
2095	Mosaic Processing - permanent script needed		Vassilis	3	Jim M		
2100	EFI calibration		John Bonnell	3	Jim M		
2100d	DC offset between 4sdo and 2sdo in boom plane		John Bonnell	3	Jim M	Which is better? Assigned to J. B. (low priority).	
2100h	Try to track down frequency scaling problem in DPWRSPC (dlimit setting? Compare to old plots?).		John Bonnell	3	Jim M	On Hold - low priority	
2100p	Modify THM_CAL_FIT to treat efs datatype - Install E12/E34 conditional based on th*_fit_code TPLOT variable. If E12 switched to E34 software needs to be revised to handle		John Bonnell	3	Jim M		
	Pat						
2069	Support Mirror Sites		Vassilis	0	Pat		
2069a	Japan (ISAS)		Vassilis	0	Pat		
2069b	Austria		Vassilis	0	Pat		
2069c	France		Vassilis	0	Pat	(Rumi - not always up to date for gmag)	
2070	Support gmag data remote sites.		Vassilis	0	Pat	The -12 days ones are ones that Kathryn indicated are on the fritz: RML S LUKIA HOTS PINE	
2070a	Augsburg (MACC's)		Vassilis	0	Pat		
2070b	Alberta		Vassilis	0	Pat		
2070c	Greenland		Vassilis	0	Pat		
3033	GBORsync from Ucalagary is failing. Contacting Emma Spanswick to determine source of problem.	01/05/10	Pat/Jim M	0	Pat	Received response, following up with more info. Got files for 2010/01/11...	
3034	Rsync to GIMA server is failing. Ualaska Server was replaced and renamed.	12/07/09	Jim M	0	Pat	Working out problems with SSH public-key authentication...maybe try http	

2265	When new FGM Cal files come from David Fisher reprocess last 6 months.	10/16/2009	Pat	0	Pat	ongoing	
3025	SST Code development	12/18/2009	Davin	1	Pat	Vassilis to call Davin	
	Debug source code from Davin to determine source of crash	12/18/2009	Davin	1	Pat	waiting for receipt of code from Davin. He said that it crashes on 1/10 days but doesn't yet know why.	
	Add modification to SST moment - calculations(thm_part_moments/thm_part_moments2) that would allow application of scalar corrections to moments when the spacecraft is in solar wind. Corrections will be provided by Davin, task involves providing framework to apply corrections at the correct times.	12/18/2009	Davin	1	Pat	I sent an email asking for clarifications to Davin, specifically which method out of several should I use to determine whether spacecraft is in solar wind. I've also talked to Jim Lewis about different methods. Jim suggested that it may be worthwhile to add solar wind flags from the data source selected to the SST L1 cdf so that we do not create dependency between SST data calibrations and other data types.(For example, if we don't add flags to SST cdf we might end up needing to load ESA data every time we want to	
3029	This happened on a fresh session after loading all L1 EFI variables for 2009-02-09 probe C and attempting to plot the fast survey data (I had similar problems last month plotting EFI wave burst data). The plots still appeared in the draw window after Layout Options crashed, but panel tracking was off, the gui ran very slow, and even after removing some deleting variable to free memory I had to reset IDL to get everything working. Traceback Report from THM_UI_LAYOUT_OPTIONS_EVENT:	1/4/2010	Aaron	1	Pat	Discuss possible solutions. Provide better information to use on data size so that user can avoid problem themselves. E.g., right click on a variable and have the GUI tell you how much memory.	
2280	Retrieval of ASCII Data - Including 2009.	10/29/2009	Laura	1	Pat	Reprocessing is in progress. After	
2136	When we implemented tplot_gui, we gave it support for the most important tplot options, but not many of the more obscure ones. It might be worthwhile to create a task for someone to go through exhaustively and implement as many tplot options as is feasible. That way people can more easily use the gui like an interactive version of tplot. Right now I feel like the more obscure options end up leading to gui plots that still look reasonably different from tplot		Pat	2	Pat	in progress	
2115	tplot does not fail gracefully after illegal margin set. In this case: tplot_options,'xmargin',[100,100], tplot does not fail gracefully after illegal margin set. In this case: tplot_options,'xmargin',[-1,-1] -tplot does not fail gracefully after illegal margin set. In this case: tplot_options,'xmargin',[100,100]			2	Pat		16
2267	if you want to load a template, you need to pass the template path in via a keyword, or select an option to open it from the THEMIS->File Menu. I think we should consider adding the template path to the configuration file that we save, so that it can be loaded automatically.	10/19/2009	Pat	2	Pat		40
2176	I ran into a small annoyance today when loading a themis document. I had originally loaded ESA and SST data for one time period, then overwrote that data by loading the same quantities but for a different time period. I did this several times and then saved the document for later. When re-opening the document I got a series of prompts asking whether I would like to re-write each quantity. It would speed up and streamline the process in this case if data that was later overwritten is not loaded when you open the document.	7/20/2009	Aaron	2	Pat	I spoke to Pat about this yesterday and we both agreed that while we cannot be sure which quantities should be re-loaded and which shouldn't (some may have been used temporarily for calculations). However, we can store the users's original choice to overwrite the data or not. So while we may not	
2201	One feature that was never implemented for the mini-language is globbing.(The ability to use '*' and '?' to reference multiple tplot variables at once.) This is a feature that is standard with many of our other tplot data processing routines. I think it would be very useful to include in the mini language.	8/5/2009	Pat	2	Pat		
2187	I noticed a bug in the x-axis options panel. It probably also applies to the y-axis options. If the set-all button is selected on the grid tab, then changing panels doesn't update the settings on the grid tab to the settings currently displayed for that panel.	7/29/2009	Pat	2	Pat	set to most recent user action for all routines	
2041	thm_load_state out_coord velocity calculations wrong		Vassilis	2	Pat		

2285	Christine brought to my attention a bug that occurs if you use the TDAS tsyganenko routines in a way that is not really something that I expected, but seems to be a legitimate use of the routines. If passing in a set of input parameters that are stored in tplot variables but are not in time-series, the routine produces incorrect results.	11/4/2009	Christine	2	Pat		
3007	EPO-GMAG msgs: modify the script and only issue this message if > 2 days	12/8/2009	David	3	Pat		
2279	How's it going with the stats? I noticed the query takes some time because it's looking at the whole table. It could be refined for specific time periods. The delay in return could be what's causing Dave to have access problems - or the SSL firewall?	10/23/2009	Tim	3	Pat	see 2277	
2135	I didn't realize the cotrans messed up the velocities for earth centered coordinates. Maybe what we really need to do is modify cotrans so that it correctly transforms velocities. Users can incorrectly transform velocities just as easily using thm_cotrans on the command line as they can using the script browser.		Pat/Jim L	3	Pat		
2124	I loaded a plot which had the line color as white. Because the legend plots in the same color as the line, the legend text did not show up. We should probably just put in a check for this case. If the line is white and the background is white then draw the text in black		Pat	3	Pat		
2063	Problem with edit3dbins is being caused by IDL's mouse system variable not being updated correctly on Macs. The ctime procedure, used to interactively select a time from a tplot window, relies on this variable to determine when a selection has been made in the tplot window. If the variable is never updated then ctime gets caught in an infinite loop. It's unclear whether this is specific to a particular OS version, but the routine should probably be modified at some point to maximize compatibility with Macs. In the meantime the alternate method of calling gettime that I copied you on yesterday should		Aaron	3	Pat	verify note in quick reference guide and then task will be closed	
2106	Add the ability to right-click on a variable in the widget-tree and display a popup with basic information about the quantity such as dimensions, range, or other meta data as well as the ability to rename variable.		Pat	3	Pat	originally part of task 64, however, after further evaluation, it was determined this best belonged with the widget tree rather than the analysis	4-8 hrs
2220	I found a small bug in the z-axis panel in the gui. If I change the z-axis annotation size of a layout with 2-panels each with one spectrogram, when I apply this change, it gets applied to both panels even if set-all is off.	8/27/2009	Pat	3	Pat		4 hrs
	Misc						16-24 hours
447	Save THEMIS document: Attempting to save to a read only file in Windows outputs the correct error message, but IDL crashes immediately afterwards.			1		IDL Error report to ITT	
							4 hrs