Task #	Task Description	Date Opened	Reported By	Pri	Assigned To	Notes				04			
							Estimate	A&E	Crib	QA Suite or l Script	JG (	Qref	Adm Guide
	To be Assigned or Discussed					:							
4421	After Comments received on Jim L's Leap Second Document the					May only need a mention an link to the document.	ļ					Į	
l	Tollowing documents to be updated based on final Leap Second Document:					way only need a mention an link to the document.							
4421a	Developers Guide				Lydia						1	1	
4421b	L1 File Definitions				Jim L	!	:						
	L2 File Definitions				Lydia								
	User's Guide				Aaron								
	Quick Reference Guide				Pat								
	Removing Duplicate procedures	11/3/11	Pat		Pat - Aaron	Reviewd Aaron's notes and list next S/W meeting 11/21		L	<u> </u>				
	The wavelet options widget uses the time range set in tplot as the default. It should look at the active data or time range stored in the gui instead.	11/16/11	Aaron	?	?								
	The dproc method of the loaded data object has a line to copy the tplot variable being operated on before the wavelet is produced. However, the new variable name is always identical to the original name. If unintentional then it should be fixed, otherwise we can remove the line altogether.	11/16/11	Aaron	?	?								
4438	<u> </u>					1	·	}	ļ				
4439							ļ						
4440					ļ	<del> </del>	ļ	ļ	<del> </del>				
1							ļ	ļ	ļ	ļ			
4441 4442							ļ	ļ			<del> </del>		
4442							ļ		ļ	ļ			
4444										}	<del> </del>		
	Oldies for Discussion - Du Jour	:		- 1			<u> </u>		<del> </del>	ļ			
	of the page. Another way to make this clearer, might be to draw a border around the draw area, so that the user is more aware of the difference between the two. We'll also have another wa												
	Add widget to allow user to set space between labels in axis options label tab						1 day						
	Need capability to read in ASCII, CDF?, SPLASH files. IDL has a built in widget to specify ASCII formats.					write 3-D distributions then extend to GUI	3 weeks						
799	Add '*' shortcut for navigating the tree widget						tbd	i			1	1	
	Would be nice to have a THEMIS color palette quickly available, maybe a dropdown menu with the 5 themis colors, or a check box to say use 5 default colors?												
803	Would be nice to have a way to move different panels from one window to another												
805	Implement Undo/Redo												
	General					i=						[	
4068	Lynn Wilson (RBSP) possible enhancements	6/1/10	Lynn Wilson	1	David	David to send email							
4043	Paper on interdependentcies of FGM and STATE Reprocessing	4/19/10	Pat	1	Jim L	David - Put Paper into themis doc format							
	Save THEMIS document: Attempting to save to a read only file in Windows outputs the correct error message, but IDL crashes immediately afterwards.	2/24/11	Team	1	David - Pat	IDL Error report to ITT - Bjorn at ITT 6/22: what I see it has been fixed in IDL 8.1 which is available for download from our website. Let us know how things work out after you install IDL 8.1 and test this out.							
	It was suggested that we allocate multiple processors to speed up overview plots. But this would only speed things up if we modified our overview processing scripts so that they're executed in parallel. My thinking is that it would be a much smaller modification to just adjust the multi-threading settings on IDL, rather than making the changes to run each overview probe in parallel.	8/24/11	Pat	?	David	Run an Experiment after VM Migration is completed.							

Se ch Cl we	Task Description  Harald reports that Calgary changed their data server in early september, and downloads started failing after that. Lydia made	Date Opened	Reported By		Assigned To		Estimate	A&F	Crib	QA Suite or	UG	Oref	Adm
Se ch Cl we		1						710-		Script			Guide
	hanges to the GMAG download scripts, which seem to be working.  Changes in progress for ASI download scripts, should take about a week to finish downloading ASI files and check for anything missing.	10/31/11	Jim L	: :	Harald	:							
	QA v7.0 Issues to be tested												
th ru cc wi I e Cl or	was having some trouble getting the mouse click feature to work with ne various tplot functions in TDAS after upgrading to a new system unning the Lion OS. After poking around a bit it looks like there are a ouple X11 settings that need to be changed to allow clicking of tplot vindows (such as when using the tlimit command). In X11 preferences enabled the following: Input: Emulate three button mouse Windows: Click-through Inactive Windows After enabling those I was able to click in tplot windows again. Just passing along the info in case there are there who may experience this issue.	9/30/11	Justin Lee - UCLA	?	?	Pat: This looks different than the instructions that we have in the quick reference guide. I think that we may need a new set of instructions for newer macs. Jim L: Maybe we should upgrade my Macbook from OS X release "Leopard" to "Lion". (There's an intermediate "Snow Leopard" release between those twomaybe also worth testing?) It might even be possible to install all three OS versions, so we can boot into whichever one we need for testing or troubleshooting.							
tlii ar th	One is that makepng doesn't appear to work for OSX Lion. Two is that imit doesn't work right in OSX Lion. He said that he wasn't having any of these problems in Snow Leopard, and he's going to roll back to the previous OS. But we should probably still try to resolve these sues for future users.	9/30/11	Justin Lee - UCLA	?	?								
·	Hannes	1				·	i				-		
4153 m	naintenance of gmag stations "Exclude List"	10/11/10	David	0	Hannes	Exclude List updated 7/11/11							
4018a N	lew Calibration FGM parameters and spin axis offsets	5/10/10	Hannes	1	Hannes								
4080 At	attitude Determination next few months	6/21/10	Hannes	1	Hannes								
2074c qu	uality flag for FGM data		Vassilis	2	Hannes	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 are available; times when spin fit timing had problems. Some of these flags already present in state CDF spin model variables. JWL will document in L1 file definition document. Final item not so easy, since we have trouble even detecting the timing problem in spin fits. Keep task open, Vassilis says we can come back to it when we have clarity on the spin fit timing.							
Th a so of th	his is getting a bit out of hand I think. How about a configuration file? he software just reads keywords from a configuration file. With such configuration file it is possible to set keywords automatically (for the cientists) but additionally it would give us the possibility to keep track if what the software does automatically. When I do calibrations I can nen save the configuration file together with the results and not worry about the things that the software might have done automatically.  Aaron	5/10/10	Hannes	3	Hannes	Hannes sent out new version for review.							
4429 ad	Aaron add support for new pos/vel and spin model variables to	11/8/11	Jim L	1	Aaron								
	nm_load_state, both for command-line and GUI	11/0/11	JII/I L	'	AdIUII								
	Check for the presence of slp data for coordinate transforms and warn or prompt the user if it is not present.	11/8/11	Jim L	1	Aaron		6 hrs						
	Check the time range when verifying presence of support data and rompt the user if it is insufficient.	11/8/11	Jim L	1	Aaron		4 hrs						
	Ensure that added features are replay correctly for Themis save files.	11/8/11	Jim L	1	Aaron		4 hrs						

Task #	Task Description	Date Opened	Reported By	Pri	Assigned To	Notes	1	T			1 1	1	
1.2011		- a.o opooa	opoou 2,		7 toolg.iou 10		Estimate	A&E	Crib	QA Suite or Script	UG	Qref	Adm Guide
692	"support additional time formats for Save Data As ASCII"?	11/7/11	Oldie	1	Aaron	separate list of formats for save data instead of use axis							
	There was a suggestion that we use dprint more consistently in our debugging output so that it is possible to disable all of the text that the GUI and other TDAS software prints to the command line.	6/30/11	Pat	2	Aaron	on hold until mid January 2012							
	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 coord keyword.		Pat/Jim L	3	Aaron	checking that the code to recognize velocity and acceleration components when performing non-inertial transformations works correctly for moon-based coordinates.							
	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 provide a temporary way around this bug.		Aaron	3	Aaron	verify note in quick reference and users guide and then task will be closed							
	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	Aaron	originally part of task 64, however, after further evaluation, it was determined this best belonged with the widget tree rather than the analysis window							
	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.	8/27/09	Pat	3	Aaron								
	We should extend our data model to support 3-dimensional distributions and 3-dimensional image data. This will entail modifications to load widgets, the loaded data object, the tree widget, the data processing widgets, and the addition of a means to draw	10/17/11	Vassilis	3	Aaron								
	The Layout panel doesn't allow shift selection in the panel portion of the widget.		Vassilis	3	Aaron		1 hr						
	Windows: using arrow keys in spinners (spin it with up/down arrows)	0/00/44	Oldie	3	Aaron	Confirm it is done already or not					ļļ		
4314d	Anything you can do to accelerate the geometric method? combination of ESA and SST data could only be done in the Geometric mode. Would be great if it could be done in other modes as well.	8/22/11 8/11/11	Vassilis Xuzhi	4	Aaron Aaron	on hold On Hold							
	Integrate our own slicer3.pro gui with regular 2-D slice plots.		Vassilis	4	Aaron	on hold	2 days	Υ	Υ	Y	Υ		
	Ben			: :			2 00,0	ļi					
4403	clean up SST data from 4385 (Jim L)	10/17/11	Jim L	1	Ben			<del> </del>					
4403a	implement a tool to clean up particle distribution CDFs as described below	10/17/11	Jim L	1	Ben	in progress - tool back into development phase							
4403b	integration with process_lzp_dir (L0->L1) pipeline	10/17/11	Jim L	1	Ben	awaiting 4403a		-			+ +		
4403c	reprocess entire mission to clean up L1 ESA and SST product	10/17/11	Jim L	1	Ben	wait until after AGU (12/11)		<del> </del>					
4437	Move Ephemeris Processing to TMTOOLS.	11/17/11	Jim L	1	Ben	,		<del> </del>					
	write a routine to check time tag monotonicity and repair tplot variable if necessary ("replace with NaN" and "delete") - Specifically checkout the esa pkt issue from Shanshan. Check other programs for similar code.		Jim L	2	Ben	Create a routine to clean up tplot variables. Use in the load routines were susceptible. Recommend that we just remove what is needed to make the time tags monotonic, and issue a warning indicating that the user should consult the THEMIS software team about that data. (repair monotonicity of time tags) has been discussed with Jim and the work will start asap, followed by the repair routine's integration with TDAS (Task 2149h).							
	integrate time tag fixer-upper with TDAS analysis routines		Jim L	2	Ben			· <del> </del>	·		÷		

QA Estimate A&E Crib Suite		Task Description	Date Opened	Reported By	Pri	Assigned To	Notes		7	;	)			
Commend in the Shright information (a) functional blocks then surprises for PRAIN SOUR INT INMAN AS INF. FET PRIN. (Company Source Sour		itak basarpilan	Date Openica	Roportou By		Accigned to		Estimate	A&E	Crib	QA Suite or Script	UG (	Qref	Adm Guide
L. C.M.B.T. These parameters are very useful scientifically. The task would be to active the second and a load roughe by control to the second and a load roughe by York value as possessed ascil field.  12-14 THEMISP Speller groot of concept regression lessts.  22-14 C. (MAS) C. C. (MA	om or F	mmand Line Script - first template (s) functional blocks then scripts FGM, ASK, SCM, FIT, MOM, ASI, EFI, FFT, FBK, Gmag, State,		Jim L	2	Ben	created, selecting the appropriate command line routines							
CALAC   CALA	.,L*, voul n TE	*,Mlat. These parameters are very useful scientifically. The task uld be to archive these parameters in CDF and add a load routine DAS to read them. Currently, the data will be made available to us	1/19/11	Yuri Shprits	2	Ben	part of the state cdf							
CALAC   CALA	-100-	EMIO Dia dia anta da f							ļ	ļ				
AE Index			3/23/11	Jim L	2	Ben								
A244   James   2   Ben   A2211   Jim   2   Jim									<u> </u>	-		+		
32211 Jim L 2 Ben 4135 Now that the LT ESASST/MOM reprocessing is underway, these CDFs will soon contain the full ESA and SST configuration vectors, in sufficient to the control of the c														
A136  Now that the LT ESA/SSTAMOM reprocessing is underway, these CDFs will so contain the full ESA and SST configuration words, in dollors to the solar wind flags, aways modes, and so forth. With the distinction of the solar wind flags, aways modes, and so forth. With the distinction of the solar wind flags, aways modes, and so forth. With the distinction of the solar wind flags, aways modes, and so forth. With the distinction of the solar wind flags, aways modes, and so forth. With the distinction of the solar wind flags, aways modes, and so forth. With the distinction of the solar wind flags, aways flags and a configuration word, and return a situation of this that are an apid and a configuration of the solar are all the solar wind flags, and a configuration of the solar are all the solar wind flags, and a configuration of the solar wind flags, and a configuration of the solar wind flags, sweep mode, and any other useful arbitration of the instrument configuration (for example, the angle maps corresponding to each configuration), we would update these configuration routines for ESA, SST, MOM rather than these or the solar arbitration of the instrument configuration instead of which is present in all three LT types, for convenience), and the flow of the solar wind flags, sweep mode, and any other useful attributes. I think SST close not have any configuration instead of which is present in all three LT types, for convenience), and use the flowing flags and the solar wind flags, sweep mode, and any other useful attributes. I think SST close not have any configuration instead of which is greated in all three LT types, for convenience), and the flow of the solar wind flags, sweep mode, and any other useful attributes. I think SST close not have any configuration in the future, they should be handed the same way as ESA (extend from SST configuration word instead of adding LT variables). I can do this, but if the no collected human part of a could be an adding LT variables). I can do this, but if the no collected									ļ	}	ļi			
COFFs will soon contain the full ESA and SST configuration verds, in delibition to the solar wind lags, aweep modes, and so forth. With the full configuration data available, if someons want to use a property of variable, we don't need to process. It is deal it we got the configuration data hards already present.  4135a White some TDAS routines that take an apid and a configuration word, and return a structure with all the relevant properties of that configuration. This is based remote loop to the configuration to that that satisfy remotements gone loop to that configuration. This is the sealing remote process of the satisfy of the configuration word, and return a structure with all the relevant properties of that configuration. This is based remote toget the satisfy the LD-11 processing code variable in C). If any one loop to the already is the LD-12 processing code variable in C). If any one toget the already is the LD-12 processing code variable in C). If any one toget the already is the LD-12 processing code variable in C). If any one toget the already is the LD-12 processing code variable in C). If any one toget the already is the LD-12 processing code variable in C). If any one toget the already is the LD-12 processing code variable in C). If any one toget the already is the LD-12 processing code variable in C). If any one toget the already is the LD-12 processing code variable in C). If any one toget the code is the code of the														
iand return a structure with all the relevant properties of that configuration. This is basically reimplementing some logic that's already in the LD-1ct processing code (written in C). If anyone ever needs other attitudes of the instrument configuration, for example: the angle maps corresponding to each configuration, we would update these routines to return the additional information.  41355 In the load and/or calibration routines for ESA, SST, MoM: rather than using the ESA solar wind flags and sweep mode from the L1 CDFs, use the ESA full configuration instead (which is present in all three L1 types, for convenience), and use the routines from 1435a to extract the solar wind flags, sweep mode, and any other useful attributes. It think SST does not have any configuration flags similar to the ESA quantities (there is the attenuate status, but that's separate from the should be handled the same way as ESA (extract from SST configuration word instead of adding 11 variables). I can do this, but if the routines from part (a) are well-documented, any of us could probably do this part.  Cindy  While working with Sabine on the lunar coordinate transforms I modified the gse2sse and sse2sel routines so that they can handle modified the gse2sse and sse2sel routines so that they can handle modified the gse2sse and sse2sel routines so that they can handle modified the gse2sse and sse2sel routines so that they can handle modified the gse2sse and sse2sel routines so that they can handle modified the gse2sse and sse2sel routines so that they can handle modified the gse2sse and sse2sel routines so that they can handle modified the gse2sse and sse2sel routines so that they can handle modified the gse2sse and sse2sel routines so that they can handle modified the gse2sse and sse2sel routines so that they can handle modified the gse2sse and sse2sel routines so that they can handle modified the gse2sse and sse2sel routines so that they can handle modified the gse2sse and sse2sel routines so that they can handle modified the gse2ss	DF iddit ull c nese aria nore	Fs will soon contain the full ESA and SST configuration words, in itition to the solar wind flags, sweep modes, and so forth. With the configuration data available, if someone wants to use a property of se instrument configurations that's not already present as a L1 iable, we don't need to reprocess L1 to add it we just write a little re code for TDAS, to extract the new attribute from the	9/10/10	JIII L	3	beil		2-4 hrs						
iusing the ESA solar wind flags and sweep mode from the L1 CDFs, is the ESA full configuration instead (which is present in all three L1 types, for convenience), and use the routines from 4155 to extract the solar wind flags, sweep mode, and any other useful attributes. I think SST does not have any configuration flags similar to the ESA quantities (there's the attenuator status, but that's separate from the instrument configuration word), but it needs them in the future, they should be handled the same way as ESA (extract from SST configuration word instead of adding L1 variables). I can do this, but if the routines from part (a) are well-documented, any of us could probably do this part.  2078 bau_sunpulse_met assumes x86 endiannes (BugzID=13)  Reprocessing GOES bata  4/6/10 Tami - SPDF 3 Ben Reprocessing on hold until Howard Singer delivers another batch of binary GOES data files.  Cindy  While working with Sabine on the lunar coordinate transforms I modified the gse2sse and sse2sel routines so that they can handle array data. Previously these routines only handled tipot variables. The routines that needed to be modified include: gse2sse, see_mating_make, interpol_mxn (fixed small bug, array data was not being returned) (vector_rotate).	nd i onfi ilrea ieed ingle	I return a structure with all the relevant properties of that infiguration. This is basically reimplementing some logic that's eady in the L0->L1 processing code (written in C). If anyone ever eads other attributes of the instrument configuration (for example: the ple maps corresponding to each configuration), we would update		Jim L	3	Ben								
4027b Reprocessing GOES Data  4/5/10 Tami - SPDF 3 Ben Reprocessing on hold until Howard Singer delivers another batch of binary GOES data files.  Cindy  4426 While working with Sabine on the lunar coordinate transforms I modified the gse2sse and sse2sel routines so that they can handle array data. Previously these routines only handled tplot variables. The routines that needed to be modified include: gse2sse, sse_matrix_make, sse2sel, sel_matrix_make, tinterpol_mxn (fixed small bug, array data was not being returned) tvector_rotate	sing se f ypes hink luar nstri hou onfi	ng the ESA solar wind flags and sweep mode from the L1 CDFs, the ESA full configuration instead (which is present in all three L1 es, for convenience), and use the routines from 4135a to extract solar wind flags, sweep mode, and any other useful attributes. I ik SST does not have any configuration flags similar to the ESA antities (there's the attenuator status, but that's separate from the trument configuration word), but it needs them in the future, they build be handled the same way as ESA (extract from SST figuration word instead of adding L1 variables). I can do this, but if routines from part (a) are well-documented, any of us could	9/10/10	Jim L	3	Ben								
Cindy  4426 While working with Sabine on the lunar coordinate transforms I 11/7/11 Cindy 1 Cindy Commit mods and revised QA scripts to test these changes modified the gse2sse and sse2sel routines so that they can handle array data. Previously these routines only handled tplot variables. The routines that needed to be modified include: gse2sse, sse_matrix_make, sse2sel, sel_matrix_make, tinterpol_mxn (fixed small bug, array data was not being returned) tvector_rotate	au_	ı_sunpulse_met assumes x86 endiannes (BugzID=13)		Vassilis	3	Ben					<u> </u>			
4426 While working with Sabine on the lunar coordinate transforms I 11/7/11 Cindy 1 Cindy Commit mods and revised QA scripts to test these changes modified the gse2sse and sse2sel routines so that they can handle (use of arrays) array data. Previously these routines only handled tplot variables. The routines that needed to be modified include: gse2sse, sse_matrix_make, sse2sel, sel_matrix_make, tinterpol_mxn (fixed small bug, array data was not being returned) tvector_rotate	Repr	processing GOES Data	4/5/10	Tami - SPDF	3	Ben	Reprocessing on hold until Howard Singer delivers another batch of binary GOES data files.							
modified the gse2sse and sse2sel routines so that they can handle array data. Previously these routines only handled tplot variables. The routines that needed to be modified include: gse2sse, sse_matrix_make, sse2sel, sel_matrix_make, tinterpol_mxn (fixed small bug, array data was not being returned) tvector_rotate		Cindy					·				<del> </del>			
Jim L	nodi irray outi se_	dified the gse2sse and sse2sel routines so that they can handle ay data. Previously these routines only handled tplot variables. The tines that needed to be modified include: gse2sse,matrix_make, tinterpol_mxn (fixed	11/7/11	Cindy	1	Cindy								
		Jim L							<u> </u>		1			
4385 strange patterns in SST data 9/26/11 Xuzhi 0 Jim L Now seeing similar issue in ESA data - just monitor.	trar		9/26/11	Xuzhi	0	Jim L	Now seeing similar issue in ESA data - just monitor.		1	l				

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4369	THEMIS Leap Second Discussion	9/15/11	Vassilis - Jim L	0	Jim L	draft document published. Awaiting feedback from Harald and Bryce.						
4326a	The ARTEMIS science team is keen to have a look at the most recent lunar data, with the eclipse spin model corrections turned on. That processing isn't fully automated yet, so it'll take me a couple of hours to set up and run Ferdinand's eclipse processing code. I told Vassilis I'd try to have at least the THB and THC products up to date by next Wednesday's telecon.	8/18/11	Vassilis	0	Jim L							
4326b	Then for Particles and Spin Fits	8/18/11	Vassilis	0	Jim L	in progress - verify tensor quantities are manipulated properly						
4034a2	thm_parts_moments update (spin moments mods)	11/22/10	Vassilis	1	Jim L	initial simple way, final fix is to fix esa and sst 3D data structures					†	1
	Automate processing of eclipse sunpulse data from FGM team	2/22/10	Jim L	1		then reprocess						
4430	crib for eclipse despinning code for spin fits and moments	11/9/11	Jim L	1	Jim L	on hold- demo exists; dependent on 3093	!	1	1	1		
	quality flag for FGM data		Vassilis	1	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 are available; times when spin fit timing had problems. Some of these flags already present in state CDF spin model variables. JWL will document in L1 file definition document.						
4326c	reprocessed					on hold 3093 is done						
4034a3	awaiting feedback and performing analysis	11/22/10	Vassilis	1	Jim L	Tips of the Month at some point?	<u> </u>	Ì	Ĭ		I	
4236	astrea - come up with a test, verification and migration plan Ferdinand P. suggests that we make available a diagnostic quantity produced by the eclipse spin modeling procedure. Add "phase" diagnostic quantity (from eclipse spin modeling process) to L1 STATE CDF, to give end users a sense of the expected angular error in the eclipse spin model.	7/18/11 5/23/11	David Ferdinand	1	Jim L Jim L	Lydia will do gmag						
4142	issue with FGS processing - timestamps	9/30/10	Vassilis	1	Jim L	not trivial	3-5 days	Υ				-
2266	Timing of Spin Fit data	10/16/09	Jim McFadden	1	Jim L	see 4142						
	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)	started and when bugzilla's	Vassilis	1	Jim L	Hard for SPDF to deal with, with their plotting tools - review priority with Vassilis; Check again with John Bonnel regarding timing differences between fgm and efi spin fits	4-5 days					
4030	cross-check SST psir6 and psif data types for excess counts in psir6	4/8/10	Jim McFadden	1	Jim L	Jim L talked to Davin and sounds like we can shut the data off. Jim L will send email on the time saved by shutting this off.						
4030a	Review Onboard Scripts for possible error.	5/17/10	Jim Lewis	1		can duplicate on flatsat. Jim Mcfadden and Davin to review Jim L's email.						
4030b	Correct Existing Data	5/17/10	Jim McFadden	1	Jim L	4030a prerequsite	<u></u>					
4030c	If scripts change - make changes to processing scripts	5/17/10	Jim Lewis	1	Jim L	4030a prerequsite						
4070	"Add support to thm_cotrans, ssl2gse, and ssl2dsl for /pseudo_dsl keyword. If keyword is present, look for and apply eclipse delta_phi corrections as appropriate."	6/1/10	Jim L	1	Jim L	thm_load_fit and thm_load_mom, add keyword. In progress - Will review code Davin checked-in concerning tensor quantities in thm_load_mom.						

Task #	Task Description	Date Opened	Reported By	Pri	Assigned To	Notes	;		;		1 7		
I dask #	iask Description	Date Opened	керопец Бу		Assigned to	NOIS	Estimate	A&E	Crib	QA Suite or Script	UG	Qref	Adm Guide
	as you know we have a few folks here in our SPDF group who are using the THEMIS-B and C data for a lunar project. They have found and I've confirmed through CDAWeb, that the time stamps and associated data measurements for October, 9, 2010 THEMIS-B ESA, after time 15:58:40.695 are of a different resolution and the data values are either 0.0 or -NaN.	2/7/11	Tami	1	Jim L	Web Site - instruments will have a web page with "Sources of Data Anamolies". The first one being the ESA issue							
	Create and maintain a list of FBK and FFT (and possibly other?) configuration parameters versus time, to be used by other researchers to located time intervals containing data that was acquired in a particular configuration. Examples (totally made up): THEMIS A Filter Bank Source Selections: 2007-02-23 - 2008-01-01 e12dc, scm3; 2008-01-01 - 2008-05-01 scm2, e34ac; THEMIS A FFT configuration: 2007-02-23 - 2008-01-01 16 frequency bins, e12dc, e56dc, scm1, scm3; 2008-01-01 - 2008-05-01 32 frequency bins, e12dc, e56dc, scm1, scm3	7/15/11	SPDF - Jim L	2+	Jim L	phase 1 - list for next Tips of the month, phase 2 - cdf or web page: To be done before the Map in early 2013							
	"bad" themis thg I2 files - instrument files; L0->L1 processing produces incomplete/empty CDFs	8/1/11	Tami	2	Jim L	one fixed - one priority 2							
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:	9/10/09	Jim L	2	Jim L		2 hrs						
4022	Update L1 master cdfs to support SPDF hosting	3/25/10	David	3+	Jim L	I think 4022 is a an end-of-mission task: basically clean up all the L1 CDFs, so they are fully ISTP compliant and as compatible as possible with SPDF's tools. But "ISTP compliant" is a moving target — they keep adding new checks to the SKTEditor software — so I think we made a task to do one final cleanup and reprocessing at the end of the mission, as opposed to reprocessing every time they introduce a new SKTEditor check that renders our L1 files non-ISTP-compliant.  So 4022 = final end-of-mission adjustments to master CDFs, 4023=final reprocessing. Both should remain open, with no immediate action required as far as I know.							
4040	Spinfits - separate E&B timestamps?	4/15/10	Jim L	3	Jim L	SPDF has issue creating plots on the L1 data with their software							
	either thm_load_fit or the GUI code that calls thm_load_fit should split the data into separate tplot variables for E and B, before importing them into the GUI data model. I think thm_load_fft already does something like this. See task 4040	4/23/10	Pat	3	Jim L	Jim M 4/23: thm_load_fit also splits into efit and bfit variables, so unless you need to look at raw bytes, the 'fit' datatype is not needed. Pat: Agreed. Short term, excluding the data type from the GUI seems like an easy solution.							
2082a	Spin modeling during shadows BugZid=43		Vassilis	3	Hannes	Jim L to write routine. Hannes send info.							
	STATE Web Page (s) bad timing sun pulse times (early January 2009)		Vassilis Vassilis	3	Jim L Jim L	review web pages Clarification needed							
	L1 Data Processing History Info: SCM, EFI, STATE Refactor repeated CDF library code in CDF processing tools BugZid=50		Vassilis Vassilis	3	Jim L Jim L	Ben???	i						
2077	Non Monotonic timestamps. BugzID=72		Vassilis	3	Jim L								
	task 2047 in my name: "Seperate E and B timestamps for spin fits", which is also a change to the L1 FIT master CDF and associated TDAS code. But unlike the spacecraft potential enhancement (which only adds new CDF variables, and is more-or-less backward compatible), 2047 would require us to bump the L1 FIT CDF version number to V02, and produce both V01 and V02 for a while, so users of TDAS 5.20 and earlier will still be able to load L1 FIT data. So I'm not sure whether the spacecraft potential task should include 2047, or not.	3/2/10	Jim L	4+	Jim L								

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l	describe the FBK data type, time tag specified to correspond to the beginning of the time interval of the data that went into the FBK data, the middle, or the end, or is that unspecified, and what's happening here is that the time tagging is being changed in year 3+ of the mission - in the L1 file definition document, at least, does not define the time-tagging conventions to this level of detail.	6/11/10	John Bonnell	4	Jim L								
	Before EOM reprocess L1 cdf's due to master cdf changes for SPDF	3/25/10	David	4	Jim L		<del> </del>	†					
	Phantom packets" cause non-monotonic distribution times. BugzID=25, low priority.		Vassilis	4	Jim L								
2081	Evaluate CDF compression algorithms BugZid=81		Vassilis	4	Jim L		÷		÷				
2083	Add "last processed" time to L1 (and L2?) CDFs BugZid=115		Vassilis	4	Jim L								
4097	cdf's with MD5 checksum	7/19/10	Jim L	4	Jim L	Jim L to send email with subtasks and estimates		<u> </u>					
	: Jim M	, 1				•	·	†	<del>}</del>	1			
4419	Reprocess overview plots with automated sun contamination removal?	10/26/11	Pat	0	Jim M	Awaiting fix from Pat for TH-C before resumming the reprocessing.							
4412	Out of memory problem loading HSK data for long timespan	10/28/01	John Bonnell	0	Jim M	sent John diagnostic code to run; from Jim to John 11-2-11: So far, The program never seems to use more than 400Mbytes of memory, at least as far as I can tell? Can you run the attached version and send the IDL output to me, in a journal file? It just has a couple of statements included, help, /memory, which checks how much memory is being used, and has been used, and get_max_memblock2, which is a program that we wrote to check to see how big an array you can create.							
	Danaid Migration - testing and Migration reverse-engineer the process of updating the onboard tables that define the ESA and SST angle/energy modes.	8/22/11 9/8/11	David Vassilis	0 0	Jim M Jim M	in progress steps: Create the Table Image, Create the CDI Commands, Create the IDPU Commands, Create the raw packets that go to the MOC for uplink Have code for reading maps into memory, working on outputting IDPU commands.							
	Sanity check of current configuration: Jim and Davin will provide a range of ETC memory addresses to be validated. Ops team will request a memory dump of those locations, probably on one of the inner probes, via apid 407 memory dump packets. JWL (or maybe Ben S) will write a tool to stitch the memory dump packets back together into a memory image, which Jim and Davin can inspect to make sure we are working with the correct memory range. Hopefully this will be a targetted test a small range of addresses, rather than a complete memory dump (which would take extra care and error checking to interpret). If it's a small enough dump, we can possibly avoid having to write a tool and just look at the raw hex from a few 407 packets.		Vassilis	0	Jim M	On hold							
	ETC table upload utility: Davin may have something in his backups. If not, JWL will resurrect a "cmd2raw" utility we used during I&T to convert ASCII files of IDPU commands to a properly checksummed RAW command file, which the ops team can then upload to the probes. Jim McFadden and/or Davin will have to provide the list of IDPU commands.	9/8/11	Vassilis	0	Jim M	On hold							
4365c	(Maybe) ETC table image->IDPU command converter: If Jim McF or Davin can't come up with a list of IDPU commands, we may need an additional utility to take the desired ETC memory image, and convert that to a file of IDPU commands that will produce the desired memory image when executed on board.	9/8/11	Vassilis	0	Jim M								

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Idok #	rask Description	Date Opened	Reported By		Assigned to	NUES	Estimate	A&E	Crib	QA Suite or Script	UG	Qref	Adm Guide
	verify the location of the sun-contaminated bins for each spacecraft and any change in location over time(they should change very slowly if at all). They would then re-activate the sun contamination masking. It was previously disabled because the masking was originally in the from place. Davin said that he wants to create the new configuration files that would be uploaded to the spacecraft.	10/8/10	Vassilis and Davin	0	Jim M	Persons that can provide information are: Davin, Deron Pease/McDonald, Michael Luldam and Robert Abiad. See task 4365 (same process)							
4152a	change the SST tables to mask view directions that are affected by the sun.  We need to do this for the reduced distributions only. If it can be done for the moments too it would be great. WE need to find the masking tables that were input before in 2007 and rescinded sometime in 2008 but the actual bins that require masking are different than before.	10/20/11	Vassilis	0	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	10/20/11	Vassilis	0	Jim M								
4152c	change the ESA tables such that electrons and ions can be changed separately into magnetospheric and solar wind modes.	10/20/11	Vassilis	0	Jim M			÷					
	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. **Send old code to Pat **	11/2/09	Jim Mcfadden	1	Jim M	Jim McFadden showed me what he had in mind for improving the corrections for ground-processed moments. This involves calculating the dead-time correction based on a higher resolution energy grid, with 4 different points per output energy channel. In progress: Jim M 8/26/11: Thanks for looking at this. It also seems the the pressure tensor has some interesting spikes due to the dead-time correction, while the scalar quantities ssme to be more stable. 9/23/11: Will ping Jim Mcfadden							
	We have a situation where, from time to time, code is getting pushed out to the automated processing directories prematurely. For example, the automated ephemeris to V00 state state CDF processing is not yet supposed to include the lunar SSE and SEL coordinates, but since I'm currently doing QA on them, the code is checked in to the repository trunk. Twice last month once in the beginning of September, and again about a week ago, the code directories used in the automated processing (/disks/socware/thmsoc_dp_current) were updated from the trunk and this caused the ephemeris processing to fail since the production state CDFs don't have the SSE and SEL variables yet. Suggestion: instead of periodically synchronizing /disks/socware/thmsoc_dp_current from the SVN trunk, we maintain a release branch for the automated processing code, just like we do for TDAS and tntools. Code would only be promoted to the release branch after it's been thoroughly QA-ed, rather than just doing an SVN export from the trunk whenever something needs an update. This should reduce the risk of unapproved code coming along for the ride when an unrelated enhancement or bug fix gets pushed out to production.		Jim L	1	Jim M	Update tool modified to avoid clobbering the one file where the trunk version is unsuitable will revert modification once JWL updates production master CDFs so they will work with the trunk version of state_addcoords.pro							
4394b	Jim M. will probably be the one to make the necessary changes to the repository layout and deployment scripts, if my suggestion is approved.	10/4/11	Jim L	1	Jim M								
4312	Quality flags for efi are wrong including electric field offsets in	8/8/11	Vassilis	1	Jim M	discuss with Vassilis		-					
4233	computation. On hold until Michael Hartinger sorts out. Angular Correction for particle data - use Jim McFadden's code if available	1/9/11	Vassilis	2	Jim M			<u> </u>					
4302	: "bad" themis thg I2 files - mag files	8/1/11	Tami	2	Jim M	multiple versions of idl_make_cdf Jim M to look at							

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		•			3		Estimate	A&E	Crib	QA Suite or Script	UG	Qref	Adm Guide
4241	Dieter and I have tested the variables, there are two that don't seem to have data for the mission, and their catdesc's seem to indicate that they won't so can we "turn these off", or is there a plan to use them in the future? EFS_Q_MAG (Data Quality Parameter: set to NaN for EFS, as there is no good measure of data quality.) EFS_Q_PHA (Data Quality Parameter: Set to NaN, as there is no good way to measure data quality for EFS data.)		Tami Kovalick	2	Jim M	They are empty at the moment, by design we may have a use for them in the future. Nothing needs to be done with SPDF. Look into EFS_Q_PHA and check with John Bonnell about the future.							
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)		Vassilis	2	Jim M	not allow velocity to go bad							
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								
2035	Split L1 ESA (using Thomas's routine) in master ESA data cdf		Vassilis	2	Jim M	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).							
4208a	Enhanced MOM Instrument Web Pages	3/5/10	David	2	Jim M	Talked to David first.	ļ	<del> </del>	·				
4003	Document: ESA File and Calibation Processing	3/5/10	David	3	Jim M		<u> </u>	1	1	1			
2091	Once Jim McFadden completes his mods for n_3d_new_3 reprocess L2 cdfs - entire mission		Vassilis	3	Jim M								
2055	ESA L2 from L1 (not packets) - create L2 and test thoroughly, then reprocess ESA		Vassilis	3	Jim M	On Hold; awaiting Jim L to split L1 into master cdf		1	-				
2093	AE Indexes Issue Jan 8-12, keyograms Jan 12-13, Stripes- Vassilis: minor nuisance		Vassilis	4	Jim M								
2095	Mosaic Processing - permanent script needed		Vassilis	4	Jim M								
2100d	DC offset between 4sdo and 2sdo in boom plane		John Bonnell	4	Jim M	Which is better? Assigned to J. B. (low priority).		1					
2100h	Try to track down frequency scaling problem in DPWRSPC (dlimit setting? Compare to old plots?).		John Bonnell	4	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	4	Jim M								
	: Lydia	1	1	1	:	·		· <del> </del>		·}			
4358	Every 6 months check that the UCLA Mag Cal have not changed.	9/6/11	David	0	Lydia	Next March 2012		†	†		· · · · ·		
4256b	Astrea Test and Migration to VM	8/30/11	David	1	Lydia		}	1	1	1	††-		:
4405	tidy up the cribs that load ACE data so that they use dates where the data is available	10/18/11	Lydia	1	Lydia	in progress - one more crib to do, waiting for Davin to check in missing STEREO calibration routine.							
4274	Bob Clauer mentioned that he was interested in importing his Antarctic gmags into TDAS.	6/30/11	Bob Clauer	2	Lydia	From Bob 11-7-11; Both stations that were being tested at South Pole are still operating properly. We will be departing immediately after AGU for our Antarctic field season and plan to redeploy those two stations onto the East Antarctic plateau along the 40 degree magnetic meridian chain (conjugate to the west coast of Greenland). When the stations are deployed and we have exact locations, I will let you know and we can begin the process of including the data into the THEMIS data base.							

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3086	add MACCS gmag data from 2007 to our data archive. We already have MACCS data for some years and a process that automatically downloads it/converts to CDF. So the task would involve finding missing files from 2007 and feeding them into our pre-existing processing framework. It should be pretty straightforward, but probably non-trivial because of learning curve/unexpected details.  Augsburg responded on 11/10	2/19/10	James Weygand	2	Lydia	They are moving all the data to another server - on hold. Once they have completed the move we can get 2007 data and we will update scripts to handle the new data location.							
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	Lydia	no response expected until after mid november							
4409	AE Stations: I am interested in including the "standard AE ground stations" i.e. the ones that go into the computation of the AE index - there are 12 - into the THEMIS pipeline. This is because we can then include them into the computation of our own pseudoAE. They include: FCC: Fort Churchill, LRV: Leirvorgur, a couple in Russia and one in Scandinavia etc. They should be available somehow. The ones in Russia have been made available through APL, and THEMIS has contributed to their refurbishment. I think we have established communication with APL's Kazue Takahashi and he said a couple of years ago that routine delivery of the Russian stations was impending. So by now they should be ready! I think he should be a good source of information about the other stations as well, if you cannot find them on the web by searching or at WDC Kyoto.	10/19/11	Vassilis	2+	Lydia	Lydia: Do we want to be mirroring the data for the sites and generating CDFs as we do for the other external magnetometer sites? If so, we would need to determine where the data could be retrieved from, obtain permission to mirror it, and write download and conversion to CDF scripts. This would be a separate task for each of the data suppliers (unless there is some existing site that has the data from multiple sources). The 12 stations that are used for the calculation of the AE indices seem to be (according to Kyoto WDC): listed in tasks 4409a-4409m.							
4409a	Abisko (ABK) (Sweden)	10/19/11	Vassilis	2+	Lydia	Permission granted to access data through INTERMAGNET. Awaiting a response from Gerhard Schwarz as to the PI, Affiliation, Acknowledgement, Rules of Use information to include in CDF and on data policy website. (Email sent 14th Nov) In process of writing script to download data. In process of writing script to process data to CDF.							
4409b	Dixon (DIK) (AARI, Russia)	10/19/11	Vassilis	2+	Lydia	Still waiting for a reply as to whether Kyoto or APL can make this data available. sent email 10/24/11.							
4409c	Cape Chelyuskin (CCS) (AARI, Russia)	10/19/11	Vassilis	2+	Lydia	see 4409b		†	†	·			
4409d	Tixie Bay (TIK) (AARI, Russia)	10/19/11	Vassilis	2+	Lydia	see 4409b		1	†				
4409e	Cape Wellen (CWE) - closed, replaced with Pebek (?) (AARI, Russia)	10/19/11	Vassilis	2+	Lydia	see 4409b							
4409f	Barrow (BRW) (USGS, US)	10/19/11	Vassilis	2+	Lydia	Permission to access data granted. Awaiting a response to the followup email/questions sent 14th Nov.							
4409g	College (CMO) (USGS, US)	10/19/11	Vassilis	2+	Lydia	I have confirmation from U Alaska/GIMA that CMO is the same site as CIGO. We have this data already. Nothing needs to be done.							
4409h	Yellowknife (YKC) (CANMOS/Geological Survey of Canada)	10/19/11	Vassilis	2+	Lydia	Permission granted to access data through INTERMAGNET. Awaiting a response regarding PI, Affiliation, Acknowledgement etc. Email sent 16th Nov. FCC, YKC can be downloaded and processed with the same scripts as ABK. These scripts are in progress.							
4409i	Fort Churchill (FCC) (CANMOS/Geological Survey of Canada)	10/19/11	Vassilis	2+	Lydia	ss 4409h		-	ļ				
4409j	Poste de la Baleine (PGQ) - closed, replaced with Sanikiluaq (CANMOS/Geological Survey of Canada)	10/19/11	Vassilis	2+	Lydia								
4409k	Narsarsuaq (NAQ) (DTU, Denmark)	10/19/11	Vassilis	2+	Lydia	Want to change cdf_save_vars to correctly write epoch attributes as CDF_EPOCH before starting the process to produce Greenland CDFs.							

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44091	Leirvorgur (LRV) (Iceland)	10/19/11	Vassilis	2+	Lydia	sec resolution data for the current month and min for previous months is available at ftp://ftp.raunvis.hi.is/pub/lrv/. Point of contact: Porsteinn Sæmundsson halo@raunvis.hi.is. Sent email requesting permission to access data on Nov 9th. No response as yet.							
4409m	SNKQ	10/19/11	Vassilis	2+	Lydia	SNKQ is confirmed to be the same site as SNK. We already get this data. There seems to be an issue with data availability at the moment, but this is a problem at their end. Nothing needs to be done. We gat data from Alberta.							
4409n	Greenland Scripts	10/19/11	Vassilis	2+	Lydia	see 4409k							
4409o	Update Admin Guide	10/19/11	Vassilis	2+	Lydia		[	†					
4409p	Upodate Online accesible charts	10/19/11	Vassilis	2+	Lydia		}	†	†				
4298	the slices code should probably have a keyword to use the new SST calibrations.	7/27/11	Pat	2	Lydia	On hold till the SST calibrations have found wider use.			Υ		Υ		
4313	While on the telecon with Alberta, I was looking at the IDL documentation for their built in http download object. It actually makes it look like the http authentication, with username and password would not be too difficult. Since this keeps coming up, we might want to consider dedicating a few hours of programming time to see how hard it actually is to do authenticated downloads. If it turns out not to be too hard, it would probably give us the capability to extend our system to a lot more types of data.	8/11/11	Pat	2	Lydia	when the need arises - on hold							
4396	Testing v6.0 and bleeding edge with Mac Lion OS - see Justin's Issues	10/4/11	David	3	Lydia								
4432	ASI FAQ - ask Harald if adding User Questions and his answers	11/10/11	David	3	Lydia		ļ		†				
4431	GMAG Web Page Enhancements - FAQ's, etc	11/10/11	David	3	Lydia								
4042	Script to run every two weeks to runs IDL TDAS and checks if a file can be loaded from THEMIS SPDF file (s)	4/19/10	Pat	3	Lydia	see Pat							
	Modeling SST fluxes	3/12/11	Vassilis	3	Lydia	on hold	ļ	İ	İ				
2030	upgrade thm_load to work with probe assignments		Vassilis	3	Lydia								
2031	move functionality of thm_load_state2 into thm_load_state and delete thm_load_state2		Vassilis	3	Lydia								
2032	Multiple enhancements concerning keywords, valid_names and thm_load routines		Vassilis	3	Lydia								
492	Work with Harald to be able to load a reasonable amount of ASI data and add tools into Analysis and DP to process this data.	10/17/11	Vassilis	3	Lydia								
519	We should extend our data model to support 3-dimensional distributions and 3-dimensional image data. This will entail modifications to load widgets, the loaded data object, the tree widget, the data processing widgets, and the addition of a means to draw	10/17/11	Vassilis	3	Aaron								
4420	Pat	11/1/11	Sabine	0	Pat			ļ	-	ļ	-		
	reprocessed slp data in a different way  Run simulation for range of initial positions around the full sphere.	9/17/10	Davin	1	Pat	Reeceived Data from Rob Lillis - check the mods to see if they work and if so start simulations							
4267c	Write code to remove proton and electron contamination from the electron and proton distributions using data and efficiencies from the F & O channels.	6/27/11	Pat	1	Pat	in progress - working well and will show Vassilis next week							
4355	IDL-VM checkout	8/30/11	Yoshimasa - lugonet	1	Pat	another error - bug analysis; review list of duplicate name modules at next S/W meeting							
4287	Switching SST Load routines to thm_sst_load2 for SST calibrated data	7/15/11	Pat	1	Pat	on hold			·				
447	Save THEMIS document: Attempting to save to a read only file in Windows outputs the correct error message, but IDL crashes immediately afterwards.	2/24/11	Team	2	David - Pat	IDL Error report to ITT - Bjorn at ITT 6/22: what I see it has been fixed in IDL 8.1 which is available for download from our website. Let us know how things work out after you install IDL 8.1 and test this out.							

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4433	Is there was a way to specify tick marks on the z axis in tplot and whether the ticks themselves could be drawn. It looks like the procedure responsible for drawing the z axis does not include these options, although they are basic IDL plotting options. We would simply need to add the respective keywords to the procedure's call and they could be passed through to the plotting routine with the usual options.	11/14/11	Drew - UCLA	2	Pat	Vassilis was under the impression that they are automatically accepted like all standard keywords. Is that true from your experience? Jim M: I don't think that you can pass standard keywords through tplot to the plot routine; instead you use the options routine to set up the options for a given tplot variable, and then tplot should pick that up. something like options, 'thb_xxx_xxx', 'zticklen', 5. Aaron: Currently tplot only picks up the 'zticks' option, which controls how many ticks are automatically used by IDL. Users can add other plotting options such as zticklen but there's no code to pull them from the options structure so they end up boing ignored. Pat: draw_color_scale.pro is the routine that draws the z-axis for a tplot spectrogram, but it doesn't look like draw_color_scale supports the normal set of options. The settings it does support are: zrange zlog ztitle zticks zposition zoffset no_color_scale. All of these would need to be set using the options keyword. I imagine that zticks, zposition, & zoffset could be used to configure z tick settings. Another possibility would be to use no_color_scale to turn off the z-axis then you could draw it yourself by calling draw_color_scale manually.	i						
716	When I swapped between traces on the line window there was a noticeable screen flicker and the line window was moved back to the center of the viewing area.(even though I had positioned the window off center. The flicker can be eliminated by turning upda	11/7/11	Oldie	2	Pat								
2060	L2 cdf Quality Flags: for SST		Vassilis	2	Pat								
	Document: SST File and Calibation Processing	3/5/10	David	2	Pat	David to ask Davin for ppt document corresponding to pdf on ftp site concerning SST	\						
	Enhanced SST Instrument Web Pages	3/5/10	David	2	Pat	Talked to David first.	!	1			1		
3065	68. GUI z-axis options when Fixed Min/Max selected, value in spinners does not reflect current range as it does for X and Y axes. Displayed range when spinners desensitized is inaccurate.	2/10/10	Aaron	3	Pat	check draw object							
4434	bug in the sst load code that is called from thm_part_moments which should occur when loading reduced distribution data. There is a keyword called badbins2mask which allows you to disable particular angles, when creating moments. If this keyword is called when using reduced distribution data it will fail because it assumes that the reduced distribution data is in 6-angle mode, when reduced data actually switches between 1-angle and 6-angle modes.	11/16/11	Pat	3	Pat		1 hr						
3063	40. CL tplot options setposition test plots all look the same	1/15/10	Pat	4	Pat	Long-standing tplot bug, may not ever be fixed		<del> </del>					