Task #	Task Description	Date Opened	Reported By	Pri	Assigned	Notes									
					То		Estimate	A&E	('rib	QA Suite or Script	UG	Qref	Adm Guide	Dev Guide	Web
	To be Assigned or Discussed														
4245	Widget tree: in the Load Data panel, for example, if you have	6/6/2011	Lydia	?	?	Review with Vassilis									
	selected items in the data tree and want to deselect all of them you need to click in the white space beneath the tree. Clicking in the the white space anywhere else will select the top item in the tree (on Windows anyway). Pat mentioned this might be something intrinsic to IDL that we can't control. It might be nice though to be able to deselect an item by clicking on it again when it is selected.	0/0/2011	Lydia	•											
	UCB will look at enhancing the search tags for themis and artemis as well as a link from the NASA web site for each.	6/9/2011	Dieter - SPDF	?		Review with Vassilis. From Pat: At minimum we should add the couple of lines described here to our page:http://searchenginewatch.c om/article/2067564/How-To-Use- HTML-Meta-Tags; <meta name="description" content="Brief description of THEMIS"&gt;; <meta <br="" name="keywords"/>content="Space separated</meta 									
	Shanshan had some trouble with the software reporting 'no data' when data was present. The load routine now works properly.	6/10/2011	Shanshan	1	Aaron										
4254	Drew had some questions about bin-sized gaps in burst/full data. I verified that the gaps in question were real and not the result of an error. He also asked about whole look direction gaps in reduced data. I spoke to Vassilis and it seems such features should not appear. I am still looking into where the problem is	6/10/2011	Drew	?	Aaron										
4255															
4255															
.200	General			› :											
4229	Davin's commits review														
4229d	8630	5/2/2011	David	1	David	sent Davin email on 5/2/11									
4043	Paper on interdependentcies of FGM and STATE Reprocessing	4/19/2010	Pat	1		David - Put Paper into themis doc format									
	Check with Jon Loran further about a THEMIS SVN read only SSL account for IUGONET and ERG	12/16/2010	David	QA	David	On Hold									
	Put links to the ERG and IUGONET web sites on the themis website	12/16/2010	David	QA		sent ERG and IUGONET folks email. IUGONET completed.									
	Save THEMIS document: Attempting to save to a read only file in Windows outputs the correct error message, but IDL crashes immediately afterwards.	2/24/2011	Team	1	David	IDL Error report to ITT									

Task #	Task Description	Date Opened	Reported By	Pri		Notes							Adm	Day	
					То		Estimate	A&E	Crib	QA Suite or Script	UG	Qref	Adm Guide	Dev Guide	Web
	Harald														
	L1's and mosaics are up-to-date and available through March 31, 2011				Harald										
	March 31, 2011														
	Thumbnail Data:				Harald	Updates ready 7-10th of the next month									
	- cdf files done until February 2011														
	- overview plots done until February 2011 - movies done until April 30, 2010														
	Full-resolution raw data:				Harald										
	- complete for 2007, 2008, 2009 - Up to date and complete until April 2010														
	Full resolution data: - data cdf done for all 2007 and 2008 and up todate and				Harald										
J	complete through April 2010														
	- keogram cdf done for 2007-2008, 2008-2009 and up to date														
	and complete through April 2010														
	Web site mosaics and movies:							1							
	- Mosaics and movies reprocessed for 2007/2008 and 2008/2009 seasons														
	- Mosaics and movies up to date until April 30, 2010														
	Web site overview plots with full resolution data: - overview plots done for 2007-2009 and until April 2010														
2069d	UCLA – mirror site set-up		Vassilis	1	Harald	UCLA has 2-1TB and 2-2TB									
20090	OCLA – minor site set-up		V 8551115		naraiu	bricks.									
4450	Hannes	40/44/0040	Devid	0	Usarss	Evolution List up date d 5/40/44									
	maintenance of gmag stations "Exclude List" New Calibration FGM parameters and spin axis offsets	10/11/2010 5/10/2010	David Hannes	s		Exclude List updated 5/16/11 offsets sent to instr scientists									
						; email from Braunschweig:									
						Karl-Heinz will produce new Artemis calibration files in 2-3									
						weeks (first week in June).									
4080	Attitude Determination next few months	6/21/2010	Hannes	1		Attitude determinations to resume, results should be									
						available ~2 weeks dependent									
105.11						on 4018a		ļ	ļ	ļ					
4034b	Ferdinand sent was an attempt on his part to automate the shadow processing. He wanted feedback whether the products	4/14/2010	Vassilis	1	Hannes	Waiting for feedback from Ferdinand about state of inner									
	produced are adequate and if the code is amenable to					probe eclipse models, long &									
	automation. We can pick it up with him once you have gone					short eclipse models									
4154	through it. GSE-GSM	10/11/2010	Vassilis	1	Hannes										
4058	This is getting a bit out of hand I think. How about a	5/10/2010	Hannes	3	Hannes	Hannes sent out new version for									
	configuration file? The software just reads keywords from a configuration file. With such a configuration file it is possible to					review.									
	set keywords automatically (for the scientists) but additionally it														
	would give us the possibility to keep track of what the software														
	does automatically. When I do calibrations I can then save the configuration file together with the results and not worry about														
	the things that the software might have done automatically.														
0074			\/'''		11- a				ļ			ļ			
	quality flag for FGM data		Vassilis	3		on hold									
2082a	Spin modeling during shadows BugZid=43		Vassilis	3	Hannes	Jim L to write routine. Hannes									
						send info.			]						

Task #	Task Description	Date Opened	Reported By	Pri	Assigned To	Notes			<b>.</b>	QA Suite		. <i>.</i>	Adm	Dev	
					10		Estimate	A&E		or Script	UG	Qref	Guide	Guide	Web
4235	Aaron Determine why bulk velocity vector is off on SST plots.	5/13/2011	Vassilis	1	Aaron	When a different routine was used to calculate bulk velocities, the problem seems to have gone away and the bulk velocities look correct for the cases Aaron looked at.									
2013af	Mark one count level (dashed line)		Vassilis	2	Aaron	Have Andrea and Xuzhi, Shanshan and Stephen check it out. Also a meeting scheduled with some of the students, will solicit feedback.									
	The enhancement for QA 156 is to add a "lazy ytitles" option to the GUI. This means that a ytitle that has separators like spaces or underscores will have newlines inserted in their place so that long titles can fit in crowded layouts. This is a standard command line feature.	3/2/2011	Pat	2	Aaron	in progress	2 days								
	SST Test Suite: (Feature) Reports that default labels are cluttered. Specifically, sst_en_eflux y-label is long, & the content of the label is more appropriate for the z-axis. I agree, but making the defaults work better will take some effort.	2/3/2011	Pat (from Michael)	2	Aaron	see 4204									
	When Cindy & I tried to load tha_eff on 2007-03-23, it didn't load and said some calibration quantity couldn't be found. When I tried to load the same thing, I didn't have a problem. So the trick would be to find out what changed from my computer to Cindy's computer and to figure out how often our user's computers are going to have the same problem that Cindy's computer had.	3/22/2010	Pat	2	Aaron	Jim M: I have no trouble with EFF data either for linux or windows.	4-6 hrs								
	We don't have support for filled symbols. This means symbols are only outlines.	12/11/2009	Pat	2	Aaron										
3031	GUI Overview plots sometimes have diamond shaped artifacts in the sample rate bar. Should fix.	1/5/2010	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.	1/2 day								
QA038	Windows - Layout option	1/21/2011	Christine	2											
	6.a) I forgot to click Add to make new panels for each spacecraft's data and thus ended up with all data on one panel. The only way to fix this, that I saw, was to delete all the data and then start over, making sure to add a panel before selecting each dataset. As a user, I feel there should be an option to move data from one panel to another without having to remove it and select it again. For instance, we should be able to click and drag a piece of data from one panel to another panel.	1/21/2011	Christine	2	Aaron	checkbox - toggle	1-2 days								
	6.f) When the 5 panels have been made of the data, the type of data in each panel is labeled but the spacecraft is not included in the label. You only know which spacecraft is represented if you hover your mouse over the panel. I think the panel should have the sc label, especially for printing purposes.	1/21/2011	Christine	2	Aaron	come up with how to fix options with level of effort									

Task Description	Date Opened	Reported By		To	10103				QA Suite			Adm	Dev	1
				10		Estimate	A&E	Crib	or Script	UG	Qref		Guide	Web
e window slides over to center it. I want it to stay as unless I slide the window myself. Otherwise I'm sliding it back to the left in order to see which vant to select.	1/21/2011	Christine	2	Aaron	fix only for windows									
e panel row number to which you are changing it to. sks to select the 3rd panel and click the up arrow key click apply. You can't do this unless you ALSO select d click the down arrow key twice. Same for 10.c and n't apply panel 3 to row change to 5 unless you o some unused row number. Should this be	1/21/2011	Christine	2	Aaron	alter test suite and resolve for simple case - talk to Christine									
nually change it back to the original plot, the plot same width for each panel as when there were 3 ven now there is only 1, so each panel is very short being its full,	1/21/2011	Christine	2	Aaron	analysis - for discussion with level of efforts									
no spec flag set in its meta data, the loaded data to load the y-axis. This should be fixed, as it ends		Pat	4	Aaron										
some auxiliary data types. For example: fit,probe='b',datatype='fgs' returns: 1 thb_fit_code 2 s 3 thb_fgs. load bug or test script bug) b. The			4	Aaron										
, _esa, _bau, _fgm, _fbk, _fft, _fit, _scm, _efi,		Vassilis	4	Aaron										
nes		Hannes	4	Aaron										
the most common plot used by scientists that look		Hannes	4	Aaron										
is.ssl.berkeley.edu/data_download.shtml should sition in various coordinate systems as well. in the same resolution as the data. Otherwise need to get the position from another source. Notes lis: option to introduce the data in RE with keyword 3,478 kilometers ???). Like thm_load_gm = 'RE'. Also thm_load_state keyword out_coord =		Hannes	4	Aaron										
e chosen interval. The variables tha_fgl and m etc. should all be empty. It could be those		Hannes	4	Aaron										
m_load to work with probe assignments		Vassilis	4	Aaron										
		Vassilis	4	Aaron										
	vant to select. ou change the panel row number, you have to also a panel row number to which you are changing it to. sks to select the 3rd panel and click the up arrow key click apply. You can't do this unless you ALSO select d click the down arrow key twice. Same for 10.c and n't apply panel 3 to row change to 5 unless you o some unused row number. Should this be ? If not then at least the suite's directions should be a don't click cancel, but apply it and hit ok and go unually change it back to the original plot, the plot same width for each panel as when there were 3 even now there is only 1, so each panel is very short being its full, n size. This shouldn't be the case. orting a variable with a valid 'V' component in its data no spec flag set in its meta data, the loaded data to load the y-axis. This should be fixed, as it ends loading certain spectral quantities. _load_fit is called requesting a single data type it will some auxiliary data types. For example: fit.probe='b',datatype='fgs' returns: 1 thb_fit_code 2 s 3 thb_fgs. load bug or test script bug) b. The tes all keyword is broken. hits – generic solution - thm_load_spin, _state, , _esa, _bau, _fgm, _fbk, _fft, _fit, _scm, _efi, _gmag, _ask, _mom, _esa_pkt tes a the most common plot used by scientists that look 2 CDF files at is.ssl.berkeley.edu/data_download.shtml should sition in various coordinate systems as well. in the same resolution as the data. Otherwise need to get the position from another source. Notes lis: option to introduce the data in RE with keyword 6,478 kilometers ???). Like thm_load_fgm = 'RE'. Also thm_load_state keyword out_coord = if',etc. s fgm data from probe 'a' and let's say there are no a chosen interval. The variables tha_fgl and m etc. should all be empty. It could be those till contain data from the previously loaded interval. m_load to work with probe assignments tionality of thm_load_state2 into thm_load_state and _load_state2	ou change the panel row number, you have to also   1/21/2011     ou change the panel row number, you have to also   1/21/2011     asks to select the 3rd panel and click the up arrow key   1/21/2011     sks to select the 3rd panel and click the up arrow key   1/21/2011     ou change the avent to this unless you ALSO select   1/21/2011     out change it back to the original plot, the plot   1/21/2011     same width for each panel as when there were 3   1/21/2011     same width for each panel as when there were 3   1/21/2011     same width for each panel as when there were 3   1/21/2011     same width for each panel as when there were 3   1/21/2011     same width for each panel as when there were 3   1/21/2011     same width for each panel as when there were 3   1/21/2011     same width for each panel as when there were 3   1/21/2011     same width for each panel as when there were 3   1/21/2011     same width for each panel as when there were 3   1/21/2011     same width for each panel as when there were 3   1/21/2011     same width for each panel as when there were 3   1/21/2011     same width for each panel as when there were 3   1/21/2011     same data the loaded data   to load the y-axis. This should be fix	up change the panel row number, you have to also panel row number to which you are changing it 0.   1/21/2011   Christine     up change the panel and click the up arrow key click apply. You can't do this unless you ALSO select do click the down arrow key twice. Same for 10.c and 't apply panel 3 to row change to 5 unless you os ome unused row number. Should this be   1/21/2011   Christine     u don't click cancel, but apply it and hit ok and go inually change it back to the original plot, the plot same width for each panel as when there were 3 wen now there is only 1, so each panel is very short being its full, n size. This shouldn't be the case.   1/21/2011   Christine     oring a variable with a valid 'V' component in its data to load the y-axis. This should be fixed, as it ends   Pat   Pat     load fit is called requesting a single data type it will some auxiliary data types. For example:   Vassilis   Vassilis     ift, probe-'b', datatype='fgs' returns: 1 thb_fit_code 2 s 3 thb_fgs. load bug or test script bug) b. The test all keyword is broken.   Vassilis   Vassilis     vies all keyword is broken.  gmag, _ask, _mom, _esa_pkt   Hannes   Hannes     test he position - thm_load_spin, _state,gmag, _ask, _mom, _esa_pkt   Hannes   Hannes     ster most common plot used by scientists that look   Hannes   Hannes     ster he same resolution as the data in RE with keyword and gen matrix keyword a ster keyword out_coord = key	out change the panel row number, you have to also p panel row number to which you are changing it to. sks to select the 3rd panel and click the up arrow key click apply. You can't do this unless you ALSO select d click the down arrow key twice. Same for 10.c and 't apply panel 3 to row change to 5 unless you o some unused row number. Should this be ? If not then at least the suite's directions should be1/21/2011Christine2u don't click cancel, but apply it and hit ok and go nually change it back to the original plot, the plot same width for each panel as when there were 3 wen now there is only 1, so each panel is very short being its full, n size. This should be fixed, as it ends1/21/2011Christine2origing a variable with a valid 'V' component in its data no spec flag set in its meta data, the loaded data to load the y-axis. This should be fixed, as it endsPat4loading certain spectral quantities. .load fit is called requesting a single data type it will some auxiliary data types. For example: its generic solution - thm_load_spin, _state, .g.gnag, _ask, _mom, _esa_pktVassilis4resHannes4is berkeley.edu/data_download.shtml should sition in various coordinate systems as well. in the same resolution as the data. Otherwise need to get the position from another source. Notes lis: option to introduce the data in RE with keyword 6,478 kilometers ???). Like thm_load_fgm = RE. Also thm_load_state keyword out_coord = lifetc.Hannes4full contain data from the previously loaded interval.Hannes4full contain data from the previously loaded interval.Hannes4	Aaron1/21/2011Christine2Aaron1/21/2011Christine2Aaron1/21/2011Christine2Aaron11 apply panel zo row change to 5 unless you to some unused row number. Should this be1/21/2011Christine2Aaron11 apply panel 3 to row change to 5 unless you to some unused row number. Should this be1/21/2011Christine2Aarona don't click cancel, but apply it and hit ok and go mually change it back to the original plot, the plot same width for each panel as when there were 3 ven now there is only 1, so each panel is very short being its full, n size. This shouldn't be the case.1/21/2011Christine2Aaronoring a variable with a valid 'V component in its data to sope flag set in its meta data, the loaded data to load the y-axis. This should be fixed, as it endsPat4Aaronloading certain spectral quantities. _gmag, _ask, _mom, _esa_pkt _gmag, _ask, _mom, _esa_pkt _gmag, _ask, _mom, _esa_pktNessilis4Aaronits called requesting a single data type it will soil borken.Hannes4Aaronits siberkely-edu/data_download.shtml should sition in various coordinate systems as well. in the same resolution as the data. Otherwise need to get the position from another source. Notes is siberkely-edu/data_download.shtml should sition in various coordinate systems as well. in the same resolution as the data. Otherwise need to get the position from another source. Notes is cothen interval. The variables tha_fig and end to work with probe assignmentsHannes4Aaroniii contain data from pr	u-change the panel row number, you have to also panel row number to which you are changing it to, set to select that of panel and click the up arrow key click apply. You can't do this unless you ALSO select dick the down arrow key twice. Same for 10.c and 1 paphy panel 3 to row change to 5 unless you 3 orme unused row number. Should this be ? I not then at least the suite 3 directions should be row number is thould this be ? I not then at least the suite 3 directions should be row now there is only 1, so each panel is very short being its full.   Christine   2   Aaron   analysis - for discussion with level of efforts     of out click cancel, but apply if and hit ok and go nually change it back to the original plot, the plot same with for each panel as when there were 3 wen now there is only 1, so each panel is very short being its full.   1/21/2011   Christine   2   Aaron   analysis - for discussion with level of efforts     Ing a variable with a valid V component in its data no spec flag set its read data the loaded data to load the y-axis. This should be fixed, as it ends   Pat   4   Aaron     Issee at lawyord is broken.   5 athb. fits. Load fits called requesting a single data type it will some auxiliary data types. For example: http://data.gown.ask.mom.get.pdf   Vassilis   4   Aaron     its generation subulon. Thm Load. spinstate, esa. Jabu. gfm. fith. fith. giscm, effi. gmag.gisk.mom, esa_pkt   Hannes   4   Aaron     its emet common plot used by scientists that look   Hannes   4   Aaron   Aaron     i	out-change the panel row number, you have to also panel row number to which you are changing it to, sits to select the strip panel at for the up arrow key click apply. You can't do this unless you ALSO select dick the dy annow key twice. Same for 10 c and the papel panel 3 to row change to 5 unless you come unused for wornbers, Should this be ? If not then at least the suite's directions should be if chick the dy annow there we's annew with for each panel as when there were 3 wen now there is only 1, so each panel is very short being is full, n size. 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Hannes   4   Aaron     is be brekel, edu/data_download shtm should stront in wardows cordinale systems as well. in the same resolut	ou change the panel row number, you have to also panel row number to which you are changing it to. sets to select the draphanel and tick the up anow key click apply. You can't do this unless you ALSO select dick the you anow wey click apply. You can't do this unless you ALSO select dick the suite and resolve for simple case - talk to Christine is a control to apply that the suite's directions should be in the application of the suite suite and resolve for simple case - talk to Christine is an evide to reach panel as the original plot, the plot same with th oreach panel as the original plot, the plot same with th oreach panel as the original plot, the plot same with th oreach panel as the reach panel as the there were 3 are with the set haped as when there were 3 are with the set haped as when there were 3 are with the set haped as when there were 3 are with the set haped as when there were 3 are with the set haped as when there were 3 are with the set haped as when there were 3 are with the set haped as when there were 3 are with the set haped as when there were 3 are most the to exact. This should be thed, as it ends loading certain quantities.   Pat   4   Aaron     Loading a variable with a valid V component in its data on specifiag set its broken.   Diadott be the case.   Pat   4   Aaron     Loading certain quantities.   Loading certain quantities.   Loading certain quantities.   Aaron   4   Aaron     Loading certain quantities.   Loading certain quantities.   Loading certain quantities.   Aaron   4   Aaron     Loading certain quantities.   Loading certain quantities.   Loading certain quantities.   Aaron	cuchange the panel row number, you have to also panel row number to which you are changing it to, ske to select the dipanel and click the up arrow key click append. To ward the the up arrow key elick append. The value sense for 102, and it rapply panel 3 to row change to 5 unless you click append. To row hamper. Should this be 7 if not then at least the suite's directions should be   1/21/2011   Christine   2   Aaron   analysis - for discussion with isevel of efforts     a come unused on number. Should this be 7 if not then at least the suite's directions should be   1/21/2011   Christine   2   Aaron   analysis - for discussion with level of efforts     a com number change to 5 unless you and the cache panel as when there were 3 wen now there is take to the original bot, the pote same within for each panel as when there were 3 wen now there is the should the the case.   1/21/2011   Christine   2   Aaron   analysis - for discussion with level of efforts     a constraining a variable with a valid V component in its data no spec flag set in its meta data, the loaded data to lead the y-axis. This should be the case.   Pat   4   Aaron     Load, fit is called requesting a single data type if will some auxiliary data types. For example: fit, probe-b/data types. The same bear bug of the top top)   The meta alter test suite and resolution the the case.   4   Aaron     is all cartain a spectral quantifies. Load, fit called requesting a single data type if will some auxiliary data types. For example: fit probe-b/data types. For examits that lock CDP files at is sall cartain th	ou change the panel row number, you have to also panel row number to which you are changing it to, sake to select dard panel and cick the up arrow key ince.   1/2/1/2011   Christine   2   Aaron   after test suite and resolve for simple case - talk to Christine simple case - talk to Chr	out change the panel row number, you have to also   1/21/2011   Christine   2   Aaron   alter rest suits and resolve for   alter frest suits and resolve for     site 1 dick the down and the up arrow key   1/21/2011   Christine   2   Aaron   alter rest suits and resolve for   alter frest suits and resolve for     a cond unable for works weights   1/21/2011   Christine   2   Aaron   alter rest suits and resolve for   alter frest suits and resolve for     a cond unable for works weights   States for suits 3 directions should be   1/21/2011   Christine   2   Aaron   analysis - for discussion with isvel of elotions should be     a cond unable charge field for each panel as web netwere 3 or work many to solve for block to the original bit set of elotions   1/21/2011   Christine   2   Aaron     a cond number conductions for example:   1/21/2011   Christine   2   Aaron   analysis - for discussion with isvel of elotits     a conduction of the aution to many to solve for block to the original bit set of elotits   1/21/2011   Christine   2   Aaron     a conduction to the aution to many to solve for block to the original bit set of elotits   1/21/2011   Christine   2   Aaron     a conductin the case.   1/21/2011	counchange the panel row number, you have to also panel row number to which you are changing it to sate to select 45 do need and cirk the parrow key the same vands for you have to also it append a for now change to surface and a papel game it to now change to surface and a papel game it to now change to surface a come runad for now the you have to also it append a for now change to surface a come runad for now they have to also it append a for now change to surface a come runad for now they have to also it append a for now change to surface a come runad for now they have to also it append a to now change to surface a come runad for now they have to be original to the part and out the cache panel as when there were a runal were and the cache to be original to the part and now the cache to the original is very short in size. This shouldh the the case.   1/21/2011   Christine Pat   4   Aaron   anon   analysis - for discussion with level of efforts     could file cache question a single data type it with some autifier to reach as the tooled data to load the yeaks. This should be fixed, as it ends   Pat   4   Aaron   Image to all to cache question as an ends   Image to all to cache question as an ends     loading cathe were all served to broken.   Vassilis   4   Aaron   Image to all to cache question as an ends   Image to all to cache question as an ends   Image to all to cache question as an ends   Image to all to cache question as an ends   Image to all to cache question as an ends   Image to all to cache question as an ends   Image to all to cache question as an ends   Image to all to cache question as an end to all to cache question to all to	ou change the panel row number, you have to also panel row number to which you are changing it.   1/21/2011   Christine   2   Aaron   after test sule and resolve for simple case - talk to Christine     cick her down are why two is. Same to 10.2 and click her down are why two is. Same to 10.2 and click her down are why two is. Same to 10.2 and click her down are why two is. Same to 10.2 and click her down are why two is. Same to 10.2 and click her down are panel and click her down are why two is. Same to 10.2 and click her down are why two is. Same to 10.2 and click her down are panel as when her were 3   1/21/2011   Christine   2   Aaron   maty is for discussion with is waited in the same were 3   Image is hand.   Image is hand.	Du change the panel row number, you have to also panel row number to which you are changing its. sets o select field spanel and click the up arrow key click applied panel and click the up arrow key click applied panel and click the up arrow key click applied panel and click the up arrow key click applied are the sould be to 10.0 and panel row key twick. Similar to 10.0 and panel row key twick. The sould be fixed, as it ends to laad the yeas. This should the fixed as it ends to laad the yeas. This should the fixed as it ends to laad the yeas. This should the fixed as it ends to laad the yeas. This should the fixed as it ends to laad the yeas. This should the fixed as it ends to laad the yeas. This should the fixed as it ends to laad the yeas. This should the fixed as it ends to laad the yeas. 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	Multiple enhancements concerning keywords, valid_names and thm_load routines		Vassilis	4	Aaron										
2013w	Integrate our own slicer3.pro gui with regular 2-D slice plots.		Vassilis	4	Aaron	on hold	2 days	Y	Y	Y	Y				
	Cindy														

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	•	•	. ,		To	\$	Estimate	A&E	Crib	QA Suite or Script	Qref	Adm Guide	Dev Guide	Web
	New Programmer			1		<u> </u>								
4001	Document: Administrators Guide	3/1/2011	David	1	tbd	50% time			<u> </u>					
4214	THEMIS Pipeline proof of concept regression tests	3/23/2011	Jim L	1	tbd	50% time								
	VC->L0	3/23/2011	Jim L	1	tbd									
4214b	L0->L1	3/23/2011	Jim L	1	tbd									
	empermeris->state v00	3/23/2011	Jim L	1	tbd				ļ	ļ				
2046	Create a more efficient & productive prototype QA Instrument		Vassilis	1	tbd	In progress. Several templates								
	Command Line Script - first template (s) functional blocks then					created, selecting the								
	scripts for FGM, ASK, SCM, FIT, MOM, ASI, EFI, FFT, FBK,					appropriate command line								
	Gmag, State, SST, ESA					routines to test.								
	Yuri has generated a 3 parameters for the THEMIS spacecraft	1/19/2011	Yuri Shprits	2	tbd	part of the state cdf								
	L,L*,Mlat. These parameters are very useful scientifically. The													
	task would be to archive these parameters in CDF and add a													
	load routine in TDAS to read them. Currently, the data will be													
	made available to us by Yuri via tab separated ascii files.													
2175	L2 File Definitions Document	3/1/2011	David	2	tbd									
		3/1/2011	Daviu	2	ibu						 			
	THEMIS Pipeline proof of concept regression tests	0/00/0044	1: I		ام جا ہ				Į					
	L1>L2 GMAG	3/23/2011	Jim L	2	tbd tbd						 			
	AE Index	3/23/2011 3/23/2011	Jim L Jim L	2	tbd				l		 			
	ASI	3/23/2011	Jim L	2	tbd						 			
	mosaics	3/23/2011	Jim L	2	tbd						 			
••••••	summary plots	3/23/2011	Jim L	2	tbd									
		0/20/2011	UIIIE	-							 			
2149g	write a routine to check time tag monotonicity and repair tplot		Jim L	2	tbd	Create a routine to clean up tplot								
	variable if necessary (with options for "replace with NaN" and					variables. Use in the load								
	"delete")					routines were susecptible.								
						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.								
						Software team about that data.								
	integrate time tag fixer-upper with TDAS load routines		Jim L	2	tbd									
4135	Now that the L1 ESA/SST/MOM reprocessing is underway,	9/10/2010	Jim L	3	tbd									
	these CDFs will soon contain the full ESA and SST													
	configuration words, in addition to the solar wind flags, sweep													
	modes, and so forth. With the full configuration data available, if													
	someone wants to use a property of these instrument						2-4 hrs							
	configurations that's not already present as a L1 variable, we don't need to reprocess L1 to add it we just write a little more													
	code for TDAS, to extract the new attribute from the													
	configuration data that's already present.													
	Write some TDAS routines that take an apid and a	9/10/2010	Jim L	3	tbd									
	configuration word, and return a structure with all the relevant	5, 10, 2010	5 E	Ĭ										
	properties of that configuration. This is basically													
	reimplementing some logic that's already in the L0->L1													
	processing code (written in C). If anyone ever needs other													
	attributes of the instrument configuration (for example: the													
	angle maps corresponding to each configuration), we would													
	update these routines to return the additional information.													
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	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 4135a 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.	9/10/2010	Jim L	3	tbd										
2078	bau_sunpulse_met assumes x86 endiannes (BugzID=13)		Vassilis	3	tbd										
4027b	Reprocessing GOES Data	4/5/2010	Tami - SPDF	<b>`</b> 1	tbd	Reprocessing on hold until Howard Singer delivers another batch of binary GOES data files.									

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4238	Jim L Issue with STATE emphermis	5/27/2011	Jim L	0	Jim L										·····
	Ferdinand sent was an attempt on his part to automate the shadow processing. He wanted feedback whether the products produced are adequate and if the code is amenable to automation. We can pick it up with him once you have gone through it.	4/14/2010	Vassilis	0	Jim L										
	Option1) Just to recap: it will be more difficult than I thought to support switching between the default spin model and the eclipse spin model from F. Plaschke et al. It can't be implemented as a simple correction to the default model I would have to introduce a whole new set of variables in the L1 STATE CDF, duplicating the existing set of spin model variables, to be able to switch between corrected and uncorrected models. And eventually, we'll probably end up using the corrected model exclusively, so we'd end up with a lot of unused variables cluttering up the state CDFs.	4/16/2010	Vassilis	0	Jim L	TDAS side - select on the fly to get the correction or not (keyword) - can build both standard and eclipse spin models from new state CDFs, keeping changes out of trunk until I get back from vacation	5 days	Y	Y						
	Code modifications: 1. Add keyword "use_eclipse_corrections" to spinmodel_interp_t (defaults to "don't use") 2. Add informational message to state whether corrections are in use or not 3. Add similar keyword & informational message to other routines as necessary (thm_cotrans, ssl2dsl, thm_cal_fgm, etc)	11/22/2010	Vassilis	0	Jim L	must change everything that the calls the spin model - in progress; FGM, EFI, SCM (wavelets) and Spin Fits complete and Jim sent email to Vassilis, Hannes and Ferdinand to take for a tst drive (5/9-10); Others to do: particle distributions (esa		Y	Y	,				Y	
	At the moment, I have Ferdinand's eclipse spin models for THB and THC. There was some discussion about whether one of these models would also be appropriate to use for the THA, THD, and THE, but I don't remember what the recommendation was, or if that work is still in progress. The other thing I remember from our previous conversation is that they were thinking of distinguishing between "short" and "long" eclipses, and using different eclipse spin models for each situation. The models I'm currently using are "thb_modell_2.sav" (dated Jul 9 2010), and "thc_modell_2.sav" (dated Aug 20, 2010).	4/8/2011	Vassilis	1	Jim L	Started eclipse spin model processing for probes A, D, E using Ferdinand's data from December 2010.									
4236	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.	5/23/2011	Ferdinand	1	Jim L										
4142	issue with FGS processing - timestamps	9/30/2010	Vassilis	1	Jim L	not trivial	3-5 days	Y							
2266	Timing of Spin Fit data	10/16/2009	Jim McFadden	1	Jim L	see 4142									

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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)	before the millenium started and when bugzilla's roam the free world	Vassilis	1		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	4/8/2010	Jim McFadden	1		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.	5/17/2010	Jim Lewis	1	Jim McFadden, Davin, Robert Abiad	can duplicate on flatsat. Jim Mcfadden and Davin to review Jim L's email.									
4030b	Correct Existing Data	5/17/2010	Jim McFadden	1	Jim L	4030a prerequsite									
4030c	If scripts change - make changes to processing scripts	5/17/2010	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."	6/1/2010	Jim L	1		thm_load_fit and thm_load_mom, add keyword. In progress - Will review code Davin checked-in concerning tensor quantities in thm_load_mom.									
QA110	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.	2/7/2011	Tami	1		Web Site - instruments will have a web page with "Sources of Data Anamolies". The first one being the ESA issue									
	Each of us should probably take a look at all the shell scriptswe're responsible for, scrub them for issues like this, and in the case of jobs running on gaia (and any other hosts that were recently upgraded), check the recent processing logs to make sure any failures are not signs of these or other incompatibilities.	3/11/2011	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	2	Jim L		2 hrs								

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4022	Update L1 master cdfs to support SPDF hosting	3/25/2010	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.									
3093	Automate processing of eclipse sunpulse data from FGM team	2/22/2010	Jim L	3+	Jim L										
4040	Spinfits - separate E&B timestamps?	4/15/2010	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	4/23/2010	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.						<u> </u>			
2082a	Spin modeling during shadows BugZid=43		Vassilis	3	Hannes	Jim L to write routine. Hannes send info.									
2038	STATE Web Page (s)		Vassilis	3	Jim L	review web pages						1	ľ		
	bad timing sun pulse times (early January 2009)		Vassilis	3	Jim L	Clarification needed									
2040	L1 Data Processing History Info: SCM, EFI, STATE	•	Vassilis	3	Jim L							Ś	·····		
2043	Refactor repeated CDF library code in CDF processing tools BugZid=50		Vassilis	3	Jim L										
2077	Non Monotonic timestamps. BugzID=72		Vassilis	3	Jim L										

Task #	Task Description	Date Opened	Reported By	Pri	Assigned	Notes						A alma	Davi	
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	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.	3/2/2010	Jim L	4+	Jim 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.	6/11/2010	John Bonnell	4	Jim L									
	Before EOM reprocess L1 cdf's due to master cdf changes for SPDF	3/25/2010	David	4	Jim L									
	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									
	. 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 that their magnitude should equal 1. sqrt(x^2+y^2+z^2)=1		Christine	4	Jim L									
4097	cdf's with MD5 checksum	7/19/2010	Jim L	4	Jim L	Jim L to send email with subtasks and estimates								
4201	Kyoto final data - may have different URL naming scheme	2/2/2011	Jim L	4	Jim L	they are only up to 2003 in final								·
				1					 					
	Jim M													

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	Problem Running thm_crib_efi.pro	6/6/2011	Peter Schroeder	0	Jim M	From Jim M 6-7-11: There has never been any vbw data, apparently the option may someday exist, so those directories exist as placeholders. What is supposed to happen in these cases is that the load routine figures out that there is no file and returns gracefully. Naturally it works fine for me. Which version of the THEMIS SW do you have in your path. Are you pointing at //disks/socware/id/themis? Or are you using one of the "releases", e.g. /disks/socware/tdas_6_00, or do you have an SVN working copy?								
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.)	6/6/2011	Tami Kovalick	0	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.								
	Today I have run program of checking SW flag for new THEMIS B&C and I see: for THEMIS-C reversal time tags almost removed but for THEMIS B this problem practically as it was: there are a lot of records with reversal time tags I attach file mistakes for for both spacecraft.	6/6/2011	Tami Kovalick - Natasha	0	Jim M	From Jim M 6-6-11: It looks as if only files where both ions and electrons had the problem were reprocessed, files where only one species had the problem didn't make it. I'll re-reprocess, including those files, now. From Tami 6-7-11: Hi Jim - we see lots of esa files - we also are picking up a fair number of reprocessed mom files. Is this to be expected? From Jim M 6-7- 11: Yes, you should see both ESA and MOM L2 files. Probes B and C finished last night; the other three are still processing.								
	Solar Wind moments corrected (Stephan Erickson) 5/27/11: found a bug in the handling of the suffix keywords. It'll take the afternoon to fix the bug and change the crib sheet	4/18/2011	Vassilis	1	Jim M	email crib sent to Jim McFadden on 5/31 and awaiting feedback; then to Alaska PI and James Weygand; send to stephen								

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					10		Estimate	A&E	Crib	or Script	UG	Qref	Guide	Guide	Web
4229a	8619, 8620, 8625, 8629	5/2/2011	David	1	Jim M	rev 8620 still needs to be checked out may affect use of FILE_RETRIEVE when using SPDF's servers to get L1 STATE. Davin's other commits 8619, 8625, 8629 check out OK.									
	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	talked to Jim McFadden who will make dead time corrections in ground based to process onboard moments better; awaiting Jim McFadden									
4233	Angular Correction for particle data - use Jim McFadden's code if available	1/9/2011	Vassilis	1	Jim M										
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	3/5/2010	David	2	Jim M	Talked to David first.									
	Document: ESA File and Calibation Processing	3/5/2010	David	3	Jim M										
2088	Themis Developers Guide		David	3	Jim M										
2091	Once Jim McFadden completes his mods for n_3d_new_3 reprocess L2 cdf's - 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									
4042	Script to run every two weeks to runs IDL TDAS and checks if a file can be loaded from THEMIS SPDF file (s)	4/19/2010	Pat	3	Jim M										

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Task #	Task Description	Date Opened	Reported By	Pri	Assigned To	Notes	Estimate	A&E	(.rin	QA Suite or Script	UG	Qref	Adm Guide	Dev Guide	Web
2090	that streamlines the generation of gmag stackplots and a crib to show how to do this. (< than a day)		Vassilis	3	Jim M		2 hrs								
4218	thm_part_moments angular restriction	4/4/2011	Vassilis	3	Jim M										
2093	AE Indexes Issue Jan 8-12, keyograms Jan 12-13, Stripes- Vassilis: minor nuisance		Vassilis	4	Jim M										
2094	Overview plot change: mode bar seems thick		Vassilis	4	Jim M	nothing we can do easily									
2095	Mosaic Processing - permanent script needed		Vassilis	4	Jim M										
2100	EFI calibration		John Bonnell	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).									
	Try to track down frequency scaling problem in DPWRSPC (dlimit setting? Compare to old plots?).		John Bonnell	4	Jim M	On Hold - low priority									
-	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										

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	Lydia											ļ	Salut	Salue	
4210	Modeling SST fluxes	3/12/2011	Vassilis	1	Lydia	on hold		?	?						
4246	In step 14 of thm_ui_tplot_manage_data.txt it has you generate an overview plot, then load: tplot_gui, 'Keogram'. This loads 'Keogram' and 'thb_state_pos_gse_x/y/z'. If you then use tplot_gui to load some other variable, completely unrelated, it will reload the 'thb_state_pos_gse_x/y/z'.	6/6/2011	Lydia	1	Lydia	in progress									
4247	There is a very minor bug in the Line Options panel in the GUI. If you click on the 'Select trace' arrow when there is no data loaded it causes an error. This should be simple to fix. A similar error occurs in X Axis Options and Y Axis Options panels when you click the Select Label drop down list with no data.	6/6/2011	Lydia	1	Lydia	check unix									
	In the Panel Options Panel If you click in the Title field when there are no panels it causes the Panel Options panel to crash.	6/8/2011	Lydia	1	Lydia	check unix									
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	3	Lydia	Email sent to lan at Alberta on 5/31. Awaiting feedback.									
4120	Add title support to plotxy	8/27/2010	Christine	3	Lydia	email Christine and ask her to take a look									
4121	Add multi-row/column span to plotxy	8/27/2010	Christine	3	Lydia	email Christine and ask her to take a look									
3053	102. Tplot_gui overwrite warning when importing data, even if variable gets renamed.	2/3/2010	Pat	3	Lydia										
4250	In Panel Options it is possible to set a negative frame thickness (in the Axis Options the same frame thickness cannot be set to a negative).	6/9/2011	Lydia	2	Lydia										
4251	Generally, there are a number of spinners in the Axis Options panel that let you click down to a negative number when it is not appropriate. Although there is a message to the user saying negative numbers are not allowed it would be better to not let the value go below zero by clicking the down arrow. (The message about negative number should remain for the case when the user types in a negative value).	6/9/2011	Lydia	2	Lydia										
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	3	Lydia	see Pat - in progress									
4013	Plot Description Doc Button	3/22/2010	David	3	Lydia	see Pat									
2036	GOES 10-12 Test data: h. update labels (Howard's request - minor tweak)		Vassilis	3	Lydia	see Jim L									

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Task #	Task Description	Date Opened	Reported By	Pri	Assigned To	Notes	Estimate	A&E	Crin	QA Suite or Script	UG	Qref	Adm Guide	Dev Guide	Web
	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.	2/19/2010	James Weygand	3	Lydia	see Pat - on hold as MACCS data base in transition									
	The TDAS Software will be enhanced to incorporate data from the STEREO mission. (CL and GUI) ? For Vassilis	3/8/2010	David	4	Lydia	see Pat or Jim L									
	add the following ancillary ground-based observations: MAGDAS Network, Auroral Electrojets (AE) and Ground Radars ( SuperDarn, AMISR and Sondrestorm)	3/8/2010	David	4	Lydia	see Pat									
	EPO-GMAG msgs: modify the script and only issue this message if > 2 days	12/8/2009	David	4	Lydia	see Pat									

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					То		Estimate	A&E	Crib	or Script	UG	Qref	Guide	Guide	Web
	Pat	:		1 :		3						ļ			
	Support Mirror Sites		Vassilis	0	Pat										
2069a	Japan (ISAS)		Vassilis	0	Pat										
2069b 2069c	Austria		Vassilis Vassilis	0 0	Pat Pat	(Pumi not always up to data for									
20090	Fidilice		V 8551115	0	Fal	(Rumi - not always up to date for gmags)									
	Support gmag data remote sites.		Vassilis	0	Pat										
	Augsburg (MACC's) Alberta		Vassilis Vassilis	0 0	Pat Pat										
4240	Syntax error when running thm_gui	6/6/2011	Rumi	0	Pat	From Pat 6-7-11:									
			Nakamura			thm_ui_set_cursor.pro is one of the older and more stable									
						routines from the GUI. My only									
						guess is that this is some sort of IDL installation or IDL version									
						compatibility issue. IDL									
						documentation indicates that the IDL routine create_cursor was									
						added in IDL version 6.1, but									
						perhaps the syntax for the routine was changed between									
						versions 6.3 & 6.4?									
4244	our contact for among data at Athabasasa University colled and	6/6/2011	lan Schofield	0	Pat										
	our contact for gmag data at Athabasca University called and said that the server is moving.	0/0/2011	Ian Scholleiu	0	Fal										
4400-	- Due simulation for units of an antise for all data stars around	40/44/0040	Davia		Det	in manager Observables									
	Run simulation for variety of energies for all detectors, record energy deposited as a function of path length and projected	12/14/2010	Davin	1	Pat	in progress - Should be running small version soon									
	path				_	-									
	Run simulation for range of initial positions around the full sphere.	9/17/2010	Davin	1	Pat	in progress									
	verify the location of the sun-contaminated bins for each	10/8/2010	Vassilis and	1	Pat	Pat has enough info to									
	spacecraft and any change in location over time(they should change very slowly if at all). They would then re-activate the		Davin			generate tables to send to the S/C, Davin to ask Peter Harvey									
	sun contamination masking. It was previously disabled					for more info. Vassilis to email									
	because the masking was originally in the from place. Davin said that he wants to create the new configuration files that					Davin.									
	would be uploaded to the spacecraft.														
3055	Install Calibration parameters from Davin (replace/amend	12/18/2009	Davin	1	Pat	awaiting values from Davin;									
	current description)					New parameters from Drew									
						soon. From Pat 6-6-11: Possible issue with new									
						calibration files, change of									
						coordinate system or									
						geometry creates overlapping bins?									
	Verify/Install attenuation parameters for each attenuator. There	12/14/2010	Davin	1	Pat										
	should be 8x5 = 40 parameters														
	Verify/Install geometric factor corrections for each aperture. There should be $8x5 = 40$ parameters.	12/14/2010	Davin	1	Pat										
	Put eclipse spin model correction code in SST as already has	6/8/2010	Jim M	1	pat	wait for SST calibrations									
	been done for esa packet pgm									L		<u>l                                    </u>			

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4068	Lynn Wilson possible enhancements	6/1/2010	Lynn Wilson	1	Pat	Review Lynn's software and generate list of features			or Script			Guide	Guide	
4156	Calibration of different anodes - energy efficiency	10/18/2010	Vassilis	1	Pat	if Davin provides values for 3055								
2060	L2 cdf Quality Flags: for SST		Vassilis	2	Pat			<u> </u>						
4002	Document: SST File and Calibation Processing	3/5/2010	David	2	Pat									
4208b	Enhanced SST Instrument Web Pages	3/5/2010	David	2	Pat	Talked to David first.								
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	3	Pat	Still in progress, a little tricky.								
3091	Add a configuration setting "force_download", which if enabled, will download data even if the remote file is older than the local file. This comes up if you're switching back and forth between using QA data and production data; once you've downloaded QA data, it's hard to download (usually older) production data without manually removing any QA files. This should apply to all data sources THEMIS, GOES, WIND, etc.	2/22/2010	Vassilis	3	Pat									
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.	2/10/2010	Aaron	4	Pat	check draw object								
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	4	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 coord keyword.		Pat/Jim L	4	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	4	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 provide a temporary way around this bug.		Aaron	4	Pat	verify note in quick reference guide and then task will be closed								

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	·				То		Estimate	A&E	Crib	QA Suite or Script	UG	Qref	Adm Guide	Dev Guide	Web
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	4	Pat	originally part of task 64, however, after further evaluation, it was determined this best belonged with the widget tree rather than the analysis window									
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	4	Pat							è			
3063	40. CL tplot options setposition test plots all look the same	1/15/2010	Pat	4	Pat	Long-standing tplot bug, may not ever be fixed									
4029	One of Michael Hartinger (a grad student in atmos) is having trouble with thm_part_getspec when the SST is in fast survey mode. The routine can take a very long time to run because of the higher resolution. I think we should put a feature request on the list to automatically downsample the particle data in time. Normally, I would suggest that uses downsample using one of our interpolation routines, but because the particle data is stored in a special common block, there is no easy way for end users to perform this operation.	4/6/2010	Michael Hartinger / Pat	4	Pat	Michael supplied code for thm_part_moments	4-8 hrs								