Task #	Task Description	Date	Reported By	Pri	Assigned To	Notes		A&E: crib:
		Opened					Estimate	script; suite;
							Lounate	UG; DevG;
								Qref; AdmG
	To be Assigned or Discussed							
4901	GOES overview plots				TBD	On hold until Eric's routine to load GOES data from NOAA is		
						AF index B wave survey (like EGM wave survey)		
4902	Load data via CDAWeb/web services, how to handle dependency		Nick			CDAWlib requires pre-compilation, also has very		
	on CDAWlib routines?					generic/conflicting routine names, making it hard to integrate		
						with TDAS. Can the web services be used without having a		
4002	Not reactiving ourrent data from Dussian CMAC sites, seems like		Cindu			dependency on CDAWIID code?		
4903	server has been moved or renamed?		Ciriuy			of contact?		
4904	Automate AE index reprocessing on exclude file updates		Cindy		Jim M	Reprocess past 2 weeks every Tuesday morning (Cindy will		
						update weekly on Mondays)?		
4905	Acknowledgments for GOES data from NOAA?		Eric			Is Howard Singer the PI for all the GOES probes? Is there		
						someone else we should consult to approve the		
1006								
4900								
4001								
	Hannes							
4018a	New Calibration FGM parameters and spin axis offsets	5/10/2010	Hannes	1	Hannes	12/06/2012: Cal files updates, all probes from mid-August		
						2012 on.		
4080	Attitude Determination next few months	6/21/2010	Hannes	1	Hannes	5-24-2013 Updated for 2012-12-01 – 2013-02-21, tha, thd, the		
4472	Inter-spacecraft FGM calibration for ARTEMIS.	1/4/2012	Vassilis	1	Hannes	6/4/12 from Hannes: Artemis inter spacecraft differences		
						show good results with current calibration		
	Aaron							
4711a	Getspec rewrite sanitize ESA	05/23/13			Aaron	Convert to physical units standard internal representation strip		
47114		00/20/10			, laron	extraneous fields to save memory		
4711c	Getspec rewrite, Apply theta,energy,phi limits	05/23/13			Aaron	disables bins based on user specified limits		
4711g	Getspec rewrite, Make PA/Theta spec	05/23/13			Aaron	Tracking down last few discrepancies (e.g. fringing)		
4711h	Getspec rewrite, Make Gyro/Phi spec	05/23/13			Aaron			
47111	Getspec rewrite, Make En spec	05/23/13			Aaron			
4740	Getspec rewrite, Dells, whistles, keywords etc.	07/08/13			Aaron	~I week work remaining		
4741	Geispec rewrite, GOT mounications to support new code	07/08/13			Adron	default.		
4757	Implement wrapper routine for new moment calculations		Aaron		Aaron	Similar to spectrogram wrapper		
4314d	combination of ESA and SST data could only be done in the	8/11/2011	Xuzhi	4	Aaron		1 hr	
	Geometric mode. Would be great if it could be done in other modes							
1000	as well.	00/07/40	Det		A	l a chime inte this case. I formal that write a forman and inter clouds		
4689	need to keep clicking "yes to all" when replaying document that overwrites data Also need to track deletions of data	03/27/13	Pat	2	Aaron	Looking into this one, I found that quite a few operations don't		
						Interpolate pwrspc calc nudge getspec		
						Come seem to default to even within seems default to recent		
						some seem to detault to overwriting, some detault to repeated queries to user. Original report: I loaded data for probes b and c		
						and then went to plot the data and realised I should have loaded		
						a and b for the tests. I returned to the load data panel and		
						loaded the probe a data before deleting the probe c data.		
						was loaded but not deleted. The data that was loaded and		
						deleted using delete all data following the testscript does not		
						appear when you reopen the document (as you'd expect).		
11 - 0	Cindy	10/11/2015			<u> </u>			
4153	maintenance of gmag stations "Exclude List"	10/11/2010	David	0	Cindy	weekly on Mondays		

Task #	Task Description	Date	Reported By	Pri	Assigned To	Notes		A&E crib;
		Opened					Estimate	script; suite;
								Oref; AdmG
4358	Every 6 months check that the UCLA Mag Cal have not changed.	9/6/2011	David	0	Cindv	Next September 2013		
4781	GMAG station status: troubleshoot stations with no data reported				Cindy			
	Ping Sasha for status of back AE station data					Pinged 7/2013, waiting for response		
4687	Check with Ian Schofield about status of Dr. Hayashi's 1-sec STEP data set.	41369	Cindy		Cindy	September 2013		
4751	Locate Photoshop files and update plot keys for overview plots and GUI plots	08/05/13			Cindy	"Deep plasma sphere" bit repurposed to "Very low magnetic field (> 30 Be)" for ARTEMIS probes. Photoshop file now checked		
						into repository. Still need to regenerate key.png and install to THEMIS and ARTEMIS production directories		
4842	GULAPL – Plugin access to GUL configuration settings dialog	1/18/2013		1	Cindy	Convert to tabbed interface, like "load data" panel. Need to fix		
	(remote, local data dirs, etc)					bug in handling hw vs. sw rendering setting (corrupts draw object)		
4759	Clean up temp(?) files on UCLA mirror site that are causing error messages in cron output				Cindy	Cron output has been going to wrong C Russell until today, but you should be seeing the messages from now on		
4743	Clean up GMAG processing scripts		Cindy	2	Cindy	many variations of wget wrappers, will be much cleaner when code is consolidated. Should also look into consolidating database schemas for the various scripts.		
4761	Add STEP polar magnetometer network (6 sites) to our data set.	9/17/2012	Vassilis		Cindy	4/04/2013: May take a year or more for lan Schofield to collect		
						for public use at step-p.dyndns.org/~khay (Dr. Hayashi's web portal).		
4481	New data product, AE index from THEMIS+std sites	1/9/2012	Vassilis	1	Cindy	awaiting Russian data 7/2/2012: Still need data from 2007- 2010. 7/27/2012: Getting current data again. still waiting for		
						older data. 12/17/2012: Older data in different formats,		
						Sasha is getting some other people involved and expects to		
	Fric					denver by Spring 2013. Sasha pinged 04/2015		
4731	Add support for loading netcdf files	06/25/13	GEM-SPEDAS	1	Eric	Implement netcdf2tplot as first step, then work with Janet Green		
						to develop load routine for GOES netcdfs. Load routine now		
						working for particle & mag data. Need RAAN vs. time to		
						longitude). Besides that, command line code is working. GUI		
						update in progress.		
4750	Add support for a standalone GSM->aGSM cotrans routine	08/02/13	Eric		Eric	Should accept either solar wind velocity data, or a user-provided rotation angle. Should live with other analytic transforms.		
4749	OMNI solar wind velocity missing coordinate system attribute	08/02/13	Fric		Fric			
4736	Add support for aGSM coordinates to neutral sheet model	06/27/13	Eric	2	Eric			
	Jim L							
4748	Jumps in FGS and FGL around times of FGM range changes	07/29/13			Jim L	May be a dropped sample at the time of the range change? Problem goes away with the start of the next L0 packet.		
4142	issue with FGS processing - timestamps	9/30/2010	Vassilis	0	Jim L	May have fixed problem – if packet header time corresponds to		
						spin pariod correction (integration interval is V1 to V1, not MSSS)		
						to MSSS). Reprocessing L1 FIT to QA area to test.		
2266	Timing of Spin Fit data	10/16/2009	Jim McFadden	0	Jim L	See 4142 After 4764		
	Jim M							
4732	Rename TDAS to SPEDAS for next release	06/25/13	GEM-SPEDAS		Jim M	Have scripts to rename files & function/procedure calls and		
						definitions, testing snapshot scripts, will destroy branch and recreate from trunk when things seem to be working smoothly.		
4756	Apply spacecraft potential to energy spectrograms		Aaron		Jim M?	Do not apply. Rather, show S/C potential as black line in ESA e-		
						summary plots (within TDAS and also on web). Enable with new		
						spectrogram plots? A plot key entry?		

Task #	Task Description	Date	Reported By	Pri	Assigned To	Notes		A&E: crib:
		Opened					Estimate	Script; suite; UG; DevG; Qref; AdmG
4758	Clean up s/c potential (onboard and ground), FBK and EFS data for time intervals when SDTs are running				Jim M?	Cleanup to be done in L1->L2 processing, using time intervals when SDTs were being run. Eliminate this contaminated data from summary plots and L2 data files. Time intervals to be provided by MOC and/or John Bonnell.		
4152b	change the ESA tables such that the minimum magnetospheric electron energy becomes lower (about 3eV, or lower). McFadden can specify the lower energy	10/20/2011	Vassilis	0	Jim M	Scripts appear to be running but we're still seeing the old configs. Need to work with John McD, seems like a flatsat setup issue.		
	Nick							
4834	Add additional links to instrument configuration history pages	1/10/2013	Bob McGuire	1	Nick	1) From ESA, SST, other instrument pages 2) L1/L2 master CDFs 3) Possibly from one of the "Data" dropdown menu items? Emmanuel working on web site updates		
4728	Use SPDF web services to write a generic SPEDAS plugin to import arbitrary data sets	06/25/13	GEM-SPEDAS		Nick	Try using this method to access RBSP data		
4745	tplot_ascii formatting bug	07/25/13	Andre Runov		Nick	He was trying to print spectral tplot variables with values a few values that are very small negative numbers. (e.g. -1.23456789e-14, caused by round-off error in operations that would ideally be producing a result that is zero.) What he found is that the spaces between the columns can disappear which breaks parsing when he tries to read the values back in. #1 This should be fixed. It should detect if it needs additional space to write a number and use wider columns. #2 There is no keyword in tplot_ascii to manually control formats. There should be.(The workaround I gave him was to edit tplot_ascii.pro, obviously no ideal)		
4752	Add GUI configuration option to specify command to use to spawn a web browser				Nick	No standard environment variable on Linux/Mac to reliably get user's preferred browser. (Hold until work on new configuration panel is completed?)		
4729	Investigate bug tracking/wiki support for SPEDAS developers	06/25/13	GEM-SPEDAS		Nick?	Work with Clarina to do test install of issue tracking, wiki, blog tools		
4738	User-friendly indication of availability of various THEMIS products over time (e.g. no L2 MOM until boom deployment)	06/25/13	GEM-TDAS tutorial		Nick?	THEMIS, GOES done, WIND, RBSP in progress		
	Pat							
	Updated FGM calibrations for solar array currents vs. spin phase?	5/30/2012	Vassilis	0	Pat	Last Recieved – Jan 2013. May need to remind FGM team if we go a long time without updates. Check again in mid-August 2013		
4771	Writeup for new SST calibration	9/28/2012		1	Pat/Drew	For senior review. After 4844. Waiting for results of Drew's analysis, may implement a few more slight improvements.		
4711b	Getspec rewrite, sanitize SST	05/23/13			Pat	Convert to physical units, standard internal representation, strip extraneous fields to save memory		
4711d	Getspec rewrite, FAC transform	05/23/13			Pat	In progress. Needed to test some of Aaron's code updates.		
4711e	Getspec rewrite, Regrid	05/23/13			Pat			
4711f	Getspec rewrite, Apply PA and gyro limits	05/23/13			Pat			
4740	Getspec rewrite, bells, whistles, keywords etc.	07/08/13			Pat	Adding support for new SST calibrations, about 1 week effort remaining		

Task #	Task Description	Date Opened	Reported By	Pri	Assigned To	Notes	Estimate	A&E crib; script; suite; UG; DevG; Qref; AdmG
4744	Add combined ESA/SST moments capability to new particle routine	07/24/13	Pat		Pat	I was talking to Drew about particle stuff yesterday and we got to talking about how our goal for THEMIS particles should be combined ESA/SST particle products. (Spectra and moments) Doing this for spectra should be pretty easy with the new routine. (Just pass in a concatenated structure and it should work.) Doing this for moments would be pretty tricky in the current configuration because it makes a lot of assumptions about the particular instrument that it is working with. But Aaron and I were thinking that we could probably add moments capability to the the new particle routine pretty easily and this could be done in a way that was sufficiently generic that it would not choke on a combined particle distribution struct. I don't think it would be more than a week for one of us to do this.		
4718	Add new variables to SST L2 master CDF	06/06/13	SPDF		Pat	New SST calibrations working well enough to start making new L2 CDFs.		