

CERES Requirements Log - ERBE-like

Reqm'ts No.	Requirement	SCCR	Provider	Responsible Subsystem	Responsible Person	How was it conveyed?	When was it received?	When was it accepted?	When was it completed?	Current Status
2-1	Provide Analysis to determine updated Spectral Response Functions for Edition2 processing		Kory Priestley	ERBE-like	Dale Walikainen	Team Mtgs	2001	2001	On-going activity	Updates for Terra and Aqua approximately every 6 mos.
2-2	Maintain Web Pages showing trends in Spectral Responses, Nadir Direct Comparison, SW Bin Plotting, Three Channel Intercomparison		Kory Priestley	ERBE-like	Dale Walikainen	Team Mtgs	2002	2002	On-going activity	Web Pages updated on a periodic basis depending on data type/availability
2-3	Monitor Instrument Performance and Code Changes		Kory Priestley	ERBE-like	Dale Walikainen	Team Mtgs	2002	2002	On-going activity	Monitor QC reports (with QC checker) and data products on a periodic basis based on data type/availability
2-4	Maintain ERBE-like Code		Kory Priestley	ERBE-like	Dale Walikainen	Team Mtgs	1992	1992	On-going activity	Update ERBE-like Subsystem code as necessary when problems are discovered with the code or changes.
2-5	Convert code to work on <i>magneto</i>	734 & 735	ASDC	ERBE-like	Dale Walikainen	DMT Mtgs	2008	2008	10/12/2010	
2-6	Move all ERBElike PGEs to the new directory structure defined by the SEC.	735 & 735	SEC	ERBE-like	Dale Walikainen	DMT Meeting	2008	2008	10/12/2010	
2-7	Change code to handle new daily snow file names. Change from NISE_SSMIF13_yyyymmdd.HDFE OS to NISE_SSMISF17_yyyymmdd.HDFEOS.	726 & 729	ASDC	ERBE-like	Dale Walikainen	Email from Sue Sorlie 9/16/2009. Sue also discussed this issue at the 9/16/09 DMTM.	9/16/2009	9/16/2009	12/11/2009	Met with Tak, John & Jonathan @3:30 12/10. Tak agreed that the changes I reported in a 10/28/09 email were acceptable "my words". I sent Sue Sorlie an email telling her to resume processing of NSIDC data on <i>warlock</i> (12/11/09).
2-8	Place Terra, Aqua and TRMM data onto same radiometric Scale. As of 10/9/09 all instruments will be adjusted to FM1 levels.	730 & 732	Norman Loeb	ERBE-like and Inversion	Dale Walikainen, Victor Sothcott and Peter Szewczyk	Email from Norman 9/15/09 and 10/9/09	9/15/2009	9/15/2009	10/28/2009	
2-9	Determine Edition3 spectral responses (SRs).		Science Team	ERBE-like and Instrument	Instrument Working Group.	Science Team meetings. Instrument working meetings. Status update meetings with Norman.	Before 2005 (my best guess)	Before 2005	On-going activity	
2-10	Update quadratic coefficients that account for SW Thermal leak. Currently, all instrument use coefficients derived from TRMM.	730 & 732	Science Team	ERBE-like	Dale Walikainen	Science Team meetings. Instrument working meetings. Status update meetings with Norman.	Since 2007	Since 2007	10/28/2009	

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2-11	Update ERBElike code to handle FM5.	727	Science Team	ERBE-like	Dale Walikainen	Science Team meetings. Instrument working meetings. Status update meetings with Norman.	Since 2008	Since 2008	10/28/2009	
2-12	Convert and deliver ERBE-like subsystems to AMI-P6 platform	740	Lisa Coleman	ERBE-like	Dale Walikainen	email	11/2/2009	11/2/2009	On-going activity	Waiting for ValR to be run.
2-13	Create crosstrack only ES4s and ES9s.	734	Tak, John & Jonathan	ERBE-like	Dale Walikainen	Emails 12/10 and 12/11. Meeting @3:30 12/10/09.	12/10/2009	12/11/2009	9/20/2010	
2-14	Recompile the magneto-P4 ERBE-like code on an AMI-P6 platform and fix ES4 graphics labeling issue	740	Jonathan & Tak	ERBE-like	Dale Walikainen	emails	11/17/2009	11/17/2009	Jan-11	Testing completed
2-15	Rename ERBE-like executables & c-shell scripts to new AMI format	740	Jonathan & Tammy	ERBE-like	Dale Walikainen	CERES Software Bulletin 10-01 + emails	4/30/2010	4/30/2010	Jan-11	Testing completed
2-16	Convert ERBE-like PCF generators & Run Scripts from c-shell to Perl	740	Jonathan	ERBE-like	Dale Walikainen	CERES Software Bulletin 10-01 + conversations with Tammy/Denise	4/30/2010	4/30/2010	Feb-11	Testing completed
2-17	Upgrade ERBE-like subsystems to the new DPO-like directory structure	740	Jonathan & Tammy	ERBE-like	Dale Walikainen	CERES Software Bulletin 10-01 + AMI Delivery Tutorial + f2f conversations with Tammy/Denise	4/30/2010 & 1/19/2011	4/30/2010 & 1/19/2011	Feb-11	Testing completed
2-18	Add SGE capability for job submissions of all ERBE-like PGEs	740	Jonathan & Tammy	ERBE-like	Dale Walikainen	emails + f2f conversations with Tammy/Denise	4/28/2010	4/28/2010	7/29/2011	
2-19	Standardize exit codes	867	Denise Cooper	ERBE-like	Dale Walikainen	Email 8/1/2011 and CPOB meeting 9/7/11.	8/1/2011	8/1/2011	9/9/2011	Sent list for Denise Cooper.
2-20	Production code to work on an x86. FM5 Launch + 6 months.	867	Jonathan Gleason	ERBE-like	Dale Walikainen	Meeting 9:30 (9/6/11) and CPOB meeting 9/7/11.	9/6/2011	9/6/2011		CER2.1P1, CER2.4P1 and inversion part of CER2.2P1 compile and run on x86.
2-21	Make Post-SGI web products available on the Web.		Kory Priestley	ERBE-like	Dale Walikainen	Email 8/17/2011	8/17/2011	8/17/2011		Science Operations Readines Review, RFA FM5-03.
2-22	Create prelaunch FM5 unfiltering coefficients.	868	Susan Thomas	ERBE-like	Dale Walikainen	Email 8/11/2011	8/11/2011	8/11/2011		Ready to deliver.