

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	7/15/2010	
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_yyyyymmdd.HDF EOS to NISE_SSMISF17_yyyyymmdd.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	Delivering every two months.
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	11/9/2011	
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	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	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 and CPOB meeting	8/1/11 & 9/7/11	8/1/2011	7/1/2012	Delivered to CM 7/1/12
2-20	Subsystems to be both P6 & x86 compatible 6 months after FM5 launch	867	Jonathan Gleason	ERBE-like	Dale Walikainen	IWG & CPOB meeting	9/6/11 & 9/7/11	9/6/2011	7/1/2012	Delivered to CM 7/1/12
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	11/10/2011	Cron job looked for new files every 15min. June 2012 modified to once a day.
2-22	Create prelaunch FM5 unfiltering coefficients.	868	Susan Thomas	ERBE-like	Dale Walikainen	Email 8/11/2011	8/11/2011	8/11/2011	12/1/2011	Promoted to CERESlib with SCCR-859
2-23	Remove DQCGW and DQCBW as Subsystem 3 products.	867	Dale Walikainen	ERBE-like	Dale Walikainen	Email approval from Tak Wong.	11/7/2011	11/7/2011	7/1/2012	Delivered to CM 7/1/12
2-24	Make output gif files archivable.	867	Jonathan Gleason	ERBE-like	Dale Walikainen	Email 9/28/11	9/28/2011	9/28/2011	7/1/2012	Delivered to CM 7/1/12
2-25	Update ES8 HDF sample read package	893	Lisa Coleman	ERBE-like	Dale Walikainen	email	4/6/2012	4/6/2012	4/30/2012	
2-26	Update ES4 HDF sample read package	894	Lisa Coleman	ERBE-like	Dale Walikainen	email	4/6/2012	4/6/2012	4/30/2012	
2-27	Update ES9 HDF sample read package	895	Lisa Coleman	ERBE-like	Dale Walikainen	email	4/6/2012	4/6/2012	4/30/2012	
2-28	Update CER2.4P1 script to only work with p6.	936	Jonathan & Tammy	ERBE-like	Dale Walikainen	Conversation with Tammy 10/16. eMail from Jonathan 10/16. eMail from Tak 10/15.	10/16/2012	10/16/2012	10/16/2012	Promoted 11/1/12

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2-29	Enable CER3.1P1 to run Edition3 with CATALYST.	936	Jeremie Lande	ERBE-like	Jeremie Lande	Via testing with new environment variable SS3in.	9/25/2012	9/25/2012	9/25/2012	Promoted 11/1/12
2-30	Disable web/stats directory clearing in clr_dir.PGE3.2P1.csh	945	Jonathan & Tammy	ERBE-like	Jeremie Lande	CPOB meeting 1/23/13	1/23/2013	1/23/2013	1/23/2013	Delivered to CM 1/23/12
2-31	Fix the Dec 21/22 Terra X-track mode listings in the last 2 leap year (2012 & 2016) input ancillary files (2.2P1 Edition3 processing).	966	Jeremie Lande	ERBE-like	Jeremie Lande	Email & phone conversation with Angel Cross.	4/16/2013	4/16/2013	4/16/2013	Delivered to CM 4/16/13
2-32	Determine Edition4 spectral responses (SRs).	983	Science Team	ERBE-like and Instrument	Instrument Working Group.	Instrument working group meetings. Status update meetings with Norman. Reported at May-2012 Science Team Meeting. 11/8/11 email from Norman.	11/8/2011	11/8/2011	On-going activity	Delivered Terra & Aqua SRs for Jan10 - Dec13 [8/21/14], validated next set of SRs (Jan14-Dec14) [4/27/15].
2-33	Update inversion code/scripts (CER 2.2P1) to handle FM6 PRES8s. Create new PGE CER2.2P2.	1144	CPOB team	ERBE-like	Dale Walikainen	CPOB meeting	6/8/2016			
2-34	Update unfiltering coefficient generator code/scripts (CER2.4P1) to handle FM6 LW channel. Create new PGE CER2.4P2.	1145	CPOB team	ERBE-like	Dale Walikainen	CPOB meeting	6/8/2016			After meeting with Tammy 6/28/16, we will diasapprove SCCR 1145. Instead we will deliver code to repository and initial SCCs to \$CERESLIB/data
2-35	Copy prelaunch FM6 unfiltering coefficients to \$CERESLIB/data.	1152	CPOB Team	ERBE-like	Dale Walikainen	Meeting with Tammy after "pre CPOB".	6/28/2016			
2-36	Generate prelaunch unfiltering coefficients for FM6.	1151	CPOB Team	ERBE-like	Dale Walikainen	Meeting with Tammy after "pre CPOB".	6/28/2016			