

**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>		ASDC	ERBE-like	Dale Walikainen	DMT Mtgs	2008	2008	On-going activity	Will submit CER2.1P1 10/2/09. Other PGEs will follow.
2-6	Move all ERBElike PGEs to the new directory structure defined by the SEC.		SEC	ERBE-like	Dale Walikainen	DMT Meeting	2008	2008	On-going activity	Lost new directory structure in INSANITY failure. Recreating is on going.
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	FM1 and FM2 Beginning-of-Mission spectral responses were finalized Dec09. Creating the unfiltering coefficients to address raps-mode degradation of the optics.
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	Deliver code to <i>AMl</i>		Lisa Coleman	ERBE-like	Dale Walikainen	email	11/2/2009	11/2/2009	On-going activity	"First draft" due date June-2010. Jeremie Lande has begun work on delivery of SS3.0 to <i>AMl</i> .
2-13	Create crosstrack only ES4s and ES9s.	750	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	On-going activity	Creating proxy EID6s to see if SS3.0 handles Terra-Xtrk as a sampling strategy.