Subsystem	Total SLOC to Convert	Rel1 SLOC to Convert	Total SLOC Converted/Created	Total SLOC Tested	Total SLOC Integrated	Total SLOC Verified	Reporting Date	Comments
Input	8919	6689	5319				9/22/2008	**9/22/08:** Integration of Metadata and completion of other areas still necessary to complete this area.
Output HDF	45309	32182	1014				9/22/2008	
Set 2 HDF	11017	0						
Output other	7198	7198						
Count Conversion	2624	2624						
Instrument	28917	16808	1224				9/22/2008	
Scans Processing	4442	4442						
Geolocation	2967	2967						
Common Routines	18774	13376	15904				8/1/2008	**6/27/08:** Routine for CERES_Constants no longer needed since we can use the ceres_constants.h include file in C++ that we previously could not use in Ada. **7/10/08:** Routines Lists and Double_Linked_List_w_Sort no longer needed will be replaced with C++ Standard Template Library List capabilities (Queue?). **8/01/08:** No SLOC updates, work was done on developing the C++ coding standards this past week.
Metadata	2389	2389						
CERESlib C-Metadata	8601	8601	14480				9/22/2008	
New Routines	TBD	TBD						
Test Code	TBD	TBD	385				6/26/2008	
CER1.3P1	2565	0						
CER1.3P2	8114	0						
CER1.3P3	18517	0						
Scripts	TBD	TBD						
New RDR L0	TBD	TBD	2807	1821			9/22/2008	**8/01/08:** This work is set aside for the moment while we wait for RDRs with the correct format. We will revisit this once we know who to send proxy data to and how they want to receive it. **9/22/08:** Changes to the expected RDR formats have caused new code/re-writes of existing code. This is expected to continue until we have actual samples of CERES RDRs to verify the code.
Comments/Documen-tation	TBD	TBD	866	N/A			7/21/2008	**7/21/08:** Lines of comments for documentation using D-oxygen
Total SLOC	170353	97276	41133	1821	0	0		

PGE Number Priority	Integration Testing at the SCF (% complete/date completed)	Verification at the SCF (% complete/date completed)	Delivery to CM (% complete/date completed)	ASDC Promoted to Production	Comments
Build 1 -- NCT#3 Support					
CER1.0P2 -- New RDR L0	10/15/2008 (>75%)	1/15/2009	2/1/2009		Expected to be completed earlier than the larger CER1.1P8 software
CER1.0P2 -- New RDR Eph/Att	10/15/2008 (>75%)	1/15/2009	2/1/2009		Expected to be completed earlier than the larger CER1.1P8 software
Scripts	11/15/2008 (0%)	1/15/2009	2/1/2009		
CERESlib C-Metadata	9/15/2008 (>75%)	1/15/2009	2/1/2009		Expected to be completed earlier than the larger CER1.1P8 software
Test Plans & other documenation	N/A	1/15/2009	2/1/2009		Expected to be completed earlier than the larger CER1.1P8 software
CER1.1P8	1/15/2009 (25-50%)	2/15/2009	3/1/2009		Rel1 to include the following functionality -- Read NPP L0, process instrument parameters necessary for geolocation and radiance conversion, conversion of counts to radiance, output of time, raw and drift correct radiance counts, co-lat and long, in a BDS-Like HDF format along with some QC reports
CER1.2P1	9/15/2008	2/15/2009	3/1/2009		Minimal changes anticipated to existing C-code
Scripts	1/15/2009	2/15/2009	3/1/2009		
Test Plans & other documenation	N/A	2/1/2009	3/1/2009		Updates may or may not be required for this to the documentation.
Build 2 -- PreLaunch Freeze					
CER1.2P1	6/15/2009	8/15/2009	10/15/2009		Fully functional support for Terra/Aqua and NPP

CER1.0P2 -- Updated RDR L0	6/15/2009	8/15/2009	10/15/2009		Update as necessary after NCT#3 testing. This may include bug fixes or changes in RDR format from the documented formats.
CER1.0P2 -- Updated RDR Eph	6/15/2009	8/15/2009	10/15/2009		Update as necessary after NCT#3 testing. This may include bug fixes or changes in RDR format from the documented formats.
Test Plans & other documenation	N/A	9/15/2009	10/15/2009		Updates may or may not be required for this to the documentation.
CER1.1P8	10/15/2009	11/30/2009	12/1/2009		Fully functional support for Terra/Aqua and NPP
Test Plans & other documenation	N/A	11/30/2009	12/1/2009		Updates may or may not be required for this to the documentation.
Build 3					
CER1.3P1	TBD	TBD	TBD		Work will not begin on this PGE until after all updates to support NPP launch have been completed
CER1.3P2	TBD	TBD	TBD		Work will not begin on this PGE until after all updates to support NPP launch have been completed
CER1.3P3	TBD	TBD	TBD		Work will not begin on this PGE until after all updates to support NPP launch have been completed
Test Plans & other documenation	N/A	TBD	TBD		Updates may or may not be required for this to the documentation.
Build 4 -- Post Launch Edition1 Updates					
CER1.1P8	Launch+5	Launch+7	Launch+9		Updates to ancillary data and possible problems found on orbit
CER1.2P1	Launch+5	Launch+7	Launch+9		Updates to ancillary data and possible problems found on orbit
CER1.3P1	Launch+5	Launch+7	Launch+9		Updates to any ancillary data files and any problems found with updates to support NPP
CER1.3P2	Launch+5	Launch+7	Launch+9		Updates to any ancillary data files and any problems found with updates to support NPP
CER1.3P3	Launch+5	Launch+7	Launch+9		Updates to any ancillary data files and any problems found with updates to support NPP
Test Plans & other documenation	N/A	TBD	TBD		Updates may or may not be required for this to the documentation.

PGE Number Priority	Target Machine	Integration Testing at the SCF (% complete/data completed)	Verification at the SCF (% completed/date completed)	Delivery to CM (% complete/date completed)	ASDC Promoted to Production	Comments
CER1.1P1-6	New IBM Platform	Code for delivery for SCCR#610 can support this effort. (0% waiting for machine to be set-up)	Ready for port to new platform 6/26/08	Supported by existing delivery for SCCR #610, new expected output would need to be provided.		Code supports Terra and Aqua Ops on the Target Machine. Requires Ada compiler, Toolkit, CERESlib and possible new C-version of CERESlib Metadata. **9/22/08:** New platform is available. Work to transfer over existing code and compile the main subsystem will begin this week.
CER1.2P1 (already in C	New IBM Platform	6/26/2008	Ready for port to new platform 6/26/2008	Supported by existing delivery for SCCR #610, new expected output would need to be provided.		Code is already in C and a run of this code supporting Terra and Aqua can be performed whenever the new system is available. It may be possible to update the code to use the new C-version of CERESlib Metadata if it is available before the new system is ready for testing. **9/22/08:** New platform is available. Work to transfer over the existing code and compile this PGE will begin this week.
CER1.3P1	New IBM Platform	Code for delivery for SCCR#610 can support this effort.	Ready for port to new platform 6/26/08	Supported by existing delivery for SCCR #610, new expected output would need to be provided.		Code supports Terra and Aqua Ops on the Target Machine. Requires Ada compiler, Toolkit, CERESlib and possible new C-version of CERESlib Metadata. **9/22/08:** New platform is available. Work to transfer over the existing code and compile this PGE will begin this week.
CER1.3P2	New IBM Platform	Code for delivery for SCCR#610 can support this effort.	Ready for port to new platform 6/26/08	Supported by existing delivery for SCCR #610, new expected output would need to be provided.		Code supports Terra and Aqua Ops on the Target Machine. Requires Ada compiler, Toolkit, CERESlib and possible new C-version of CERESlib Metadata. **9/22/08:** New platform is available. Work to transfer over the existing code and compile this PGE will begin this week.

CER1.3P3	New IBM Platform	Code for delivery for SCCR#610 can support this effort.	Ready for port to new platform 6/26/08	Supported by existing delivery for SCCR #610, new expected output would need to be provided.		Code supports Terra and Aqua Ops on the Target Machine. Requires Ada compiler, Toolkit, CERESlib and possible new C-version of CERESlib Metadata. **9/22/08:** New platform is available. Work to transfer over the existing code and compile this PGE will begin this week.
Updates to Test Plan/Ops Manual	New IBM Platform	TBD	TBD	TBD		Update to add information needed for CM and SIT to test on the new IBM Platform
CER1.1P1-7	Warlock/New IBM Platform	10/15/2008	11/15/2008	1/15/2009		Code would support Terra/Aqua and NPP. Updates to include new C-version of CERESlib Metadata and changes to allow support of NPP-FM5.
CER1.2P1 (already in C	Warlock/New IBM Platform	10/15/2008	11/15/2008	1/15/2009		Code would support Terra/Aqua and NPP. Updates to include new C-version of CERESlib Metadata and changes to allow support of NPP-FM5.
Updates to Test Plan/Ops Manual	New IBM Platform	TBD	TBD	TBD		Update to add information needed for CM and SIT to test on the new IBM Platform

NOTE: The first two PGEs listed above would be existing versions of the Terra/Aqua code and would be ready for testing on the new platform as soon as it has been configured for this testing. The second two PGEs would be modified to support NPP-FM5, which should only require minor updates to each PGE.