

April 2, 2014 - System Issues and Status

Table 1: PR Status for 04/02/14
(Status as of 03/31/14)

Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	PR Status (Active PRs only) (Unless noted, Statuses apply to all PRs in row)
*** Baseline1-QC PRs – Standing						
NPP 11-12 NPP 84-13 NPP 88-13 NPP 91-13 NPP 285-13 SCCRs 956, 863, 756, 867	NPP	Baseline1-QC	BDS/ ES8	1.0P2, 1.1P8, 1.2P1, 1.4P1, 2.2P1	Standing Request	Active (PR 88-13 Ready – Final Processing Active)
AM 81-13 AM 85-13 AM 89-13 PM 82-13 PM 86-13 PM 87-13 PM 90-13 PM 83-13 SCCRs 956, 863, 756, 867	Terra Aqua (FM3, FM4)	Baseline1-QC	BDS/ES8	1.1P8, 1.2P1, 1.4P1, 2.2P1	Standing Request	Active
*** Edition1-CV PRs – Standing						
NPP 92-13 NPP 93-13 NPP 94-13 NPP 95-13 SCCRs 911, 956, 863, 756, 770	NPP	Edition1-CV	BDS/IES/ PreS8	1.0P2, 1.1P8, 1.2P1, 1.4P1,1.4P2	Standing Request	Processing Active
NPP 289-13 NPP 159-13 NPP 160-13 NPP 161-13 SCCR 867	NPP	Edition1-CV	ERBElite	2.2P1 2.3P1, 2 3.1P1	Standing Request	Processing Active

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AM 108-13 AM 111-13 AM 133-13 AM 279-13 AM 286-13 AM 320-13 AM 323-13 AM 327-13 SCCRs 956, 863, 756, 867	Terra	Edition1-CV	BDS/ ERBELike (SS1-3)	1.1P8 1.2P1 1.4P1&2, 2.1P1 2.2P1 2.3P1/2 3.1P1	Standing request	Active
PM 109-13 PM 112-13 PM 134-13 PM 280-13 PM 287-13 PM 321-13 PM 325-13 PM 328-13 SCCRs 956, 863, 756, 867	Aqua FM3	Edition1-CV	BDS/ ERBELike (SS1-3)	1.1P8 1.2P1 1.4P1&2, 2.1P1 2.2P1 2.3P1/2 3.1P1	Standing request	Active
PM 110-13 PM 113-13 PM 135-13 PM 281-13 PM 288-13 PM 322-13 PM 326-13 PM 329-13 SCCRs 956, 863, 756, 867	Aqua FM4	Ed1-CV- NoSW	BDS/ ERBELike (SS1-3)	1.1P8 1.2P1 1.4P1&2, 2.1P1 2.2P1 2.3P1/2 3.1P1	Standing request	Active

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AM 390-13, AM 136-13 137-13 to AM 139-13 PM 391-13 PM 140-13 141-13 to PM 143-13 SCCR 693	Terra Aqua	Edition1- CV	SSFi Clouds	4.1-4.1P4/5 4.1-4.2P2/3 4.1-4.3P2	12/31/2013 forward	Active
AM 144-13 to AM 146-13 PM 147-13 to PM 152-13 SCCR 913	FM1, FM2, FM3, FM4	Edition1-CV	SSF	4.5-6.1P2/3 4.5-6.2P2 4.5-6.4P1	12/31/2013 forward	PRs Active
*** Snow and Ice Products PRs – Standing						
M 3-12 SCCR 918		NSIDC- CLASS	EICE ESNOW	4.1-4.0P2	Standing Request	PRs Active
M 1-13 SCCR 943		NSIDC- AFWA- Mesh16th	ESNOW EICE	4.1-4.0P3	Standing Request	PRs Active
M 2-12 SCCR 867		NSIDC	SNOW (ERBE-like Edition1-CV)	2.1P1	Standing Request	PRs Active
*** MOA/PMOA Products PRs – Standing						
M 3-11 SCCR 920	CERES	DAO-G5- CERES	MOA	12.1P1	Standing request	PR Active
M 2-12- SCCR 914	CERES	DAO-G5- CERES	PMOA	9.1P1	Standing request	PR Active
M 205-13	CERES	GMAO- G541-Ed4	MOA	12.1P2	Standing request 3/2/13 thru 4/1/15	Ready – Final

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The PRs that follow are the Non-Standing PRs that can be processed						
*** Edition 3 Instrument & ERBElike PRs						
488-13 491-13 SCCRs 956, 863	FM1, FM2	Edition3	BDS, IES	1.2P1 1.4P3	7/1/2013 – 8/31/2013	PR Active Should be Complete
494-13 495-13 SCCR 867	FM1, FM2	Edition3	SCCD, SCCN	2.4P1	7/1/2013 – 8/31/2013	PR Active Should be Complete
489-13 492-13 SCCRs 956, 863	FM3	Edition3	BDS, IES	1.2P1 1.4P3	7/1/2013 – 8/31/2013	PR Active Should be Complete
496-13 SCCR 867	FM3	Edition3	SCCD, SCCN	2.4P1	7/1/2013 – 8/31/2013	PR Active Should be Complete
490-13 493-13 SCCRs 956, 863	FM4	Ed3-NoSW	BDS, IES	1.2P1 1.4P3	7/1/2013 – 8/31/2013	PR Active Should be Complete
497-13 SCCR 867	FM4	Ed3-NoSW	SCCD, SCCN	2.4P1	7/1/2013 – 8/31/2013	PR Active Should be Complete
538-14 536-14 SCCRs 956, 863	FM1, FM2	Edition3	BDS, IES	1.2P1 1.4P3	9/1/13 – 10/31/13	PR Ready Final Should be Active Priority 2
542-14 543-13 SCCR 867	FM1, FM2	Edition3	SCCD, SCCN	2.4P1	9/13 – 10/13	PR Ready Final Should be Active Priority 2
496-13 SCCR 867	FM3	Edition3	SCCD, SCCN	2.4P1	7/1/2013 – 8/31/2013	PR Active Should be Complete

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546-13 549-13 551-13 SCCR 867	FM1 FM2	Edition3	ES8	2.2P1 2.3P1 2.3P2	7/1/2013 – 10/31/2013	Active
537-14 540-14 SCCRs 956, 863	FM3	Edition3	BDS, IES	1.2P1 1.4P3	9/1/13 – 10/31/13	PR Ready Final Should be Active Priority 2
544-14 SCCR 867	FM3	Edition3	SCCD, SCCN	2.4P1	9/13 – 10/13	PR Ready Final Should be Active Priority 2
547-14 550-14 552-14 SCCR 867	FM3	Edition3	ES8	2.2P1 2.3P1 2.3P2	7/1/2013 – 10/31/2013	Active
493-13 490-13 SCCRs 863, 956	FM4	Ed3-NoSW	BDS, IES	1.2P1 1.4P3	7/1/2013 – 8/31/2013	Active
538-14 541-14 SCCRs 863, 956	FM4	Ed3-NoSW	BDS, IES	1.2P1 1.4P3	9/1/13 – 10/31/13	PR Ready Final Should be Active Priority 2
497-13 SCCR 867	FM4	Ed3-NoSW	SCCD, SCCN	2.4P1	7/1/2013 – 8/31/2013	Active
545-14 SCCR 867	FM4	Ed3-NoSW	SCCD, SCCN	2.4P1	9/13 – 10/13	Ready – Final Priority 2
548-14 SCCR 867	FM4	Ed3-NoSW	ES8	2.2P1	7/1/2013 – 10/31/2013	Active Priority 2
553-14 SCCR 867	Terra	Edition3	ES4, ES9	3.1P1	6/1/2013 – 9/30/2013	PR Ready Final Should be Active Priority 2

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554-14 SCCR 867	Aqua	Edition3	ES4, ES9	3.1P1	6/1/2013 – 9/30/2013	PR Ready Final Should be Active Priority 2
555-14 SCCR 867	Terra +Aqua	Edition3	ES\$, ES9	3.2P2	6/2013 – 9/2013	Active Priority 2
567-14 SCCR 979	FM1, FM2	ValR979-Ed3	BDS, IES	1.4P3	9/13/2013	Review Complete Priority 2
568-14 SCCR 979	FM3	ValR979-Ed3	BDS, IES	1.4P3	9/13/2013	Review Complete Priority 2
579-14 SCCR 979	FM4	ValR979-Ed3	BDS, IES	1.4P3	9/13/2013	Review Complete Priority 2
577-14 SCCR 979	FM1, FM2	ValR979-Ed4	BDS, IES	1.4P3	1/5/2010	Review Complete Priority 2
578-14 SCCR 979	FM3	ValR979-Ed4	BDS, IES	1.4P3	1/5/2010	Review Complete Priority 2
579-14 SCRR 979	FM4	ValR979-Ed4	BDS, IES	1.4P3	1/5/2010	Review Complete Priority 2
572-14, 582-14 SCCRs 979, 863	FM4	Ed3-NoSW	BDS, IES	1.4P3	11/1/2014 – 12/31/2013	Review Complete Priority 2
576-14 SCCR 867	FM4	Ed3-NoSW	SCCD, SCCN	2.4P1	11/15/2013 – 12/15/2013	Review Complete Priority 2
571-14 581-14 SCCRs 979, 863	FM3	Edition3	BDS, IES	1.4P3	11/1/2014 – 12/31/2013	Review Complete Priority 2
575-14 SCCR 867	FM3	Edition3	SCCD, SCCN	2.4P1	11/1/2014 – 12/31/2013	Review Complete Priority 2
570-14 580-14 SCCRs 979, 863	FM1, FM2	Edition3	BDS, IES	1.4P3 1.2P1	11/1/2014 – 12/31/2013	Review Complete Priority 2

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573-14 574-14 SCCR 867	FM1, FM2	Edition3	SCCD, SCCN	2.4P1	11/15/2013 – 12/15/2013	Review Complete Priority 2
*** Edition 4 Instrument & ERBELike PRs						
420-13, 421-13 SCCR 983	FM1, FM2	Edition4	SCCD, SCCN	2.4P1	2/15/2000 – 12/15/2009	Ready Final Priority 2
422-13 thru 424-13 SCCR 867	FM1, FM2	Edition4	ES8	2.2P1 2.3P1 2.3P2	2/29/2000- 12/31/2009	Ready Final Priority 2
425-13 SCCR 867	Terra	Edition4	ES4, ES9	3.1P1	3/2000 – 11/2009	Ready Final Priority 2
450-13 447-13 SCCRs 863, 959	FM3	Edition4	BDS, IES	1.2P1 1.4P3	3/30/2005 – 12/31/2009	Processing Active Review Complete Priority 2
451-13 448-13 SCCRs 863, 959	FM4	Ed4-NoSW	BDS, IES	1.2P1 1.4P3	3/30/2005 – 12/31/2009	Processing Active Priority 2
452-13 SCCR 983	FM3	Edition4	SCCD, SCCN	2.4P1	6/15/2002- 12/15/2009	Ready Final Priority 2
453-13 SCCR 983	FM4	Edition4	SCCD, SCCN	2.4P1	6/15/1002 – 3/15/2005	Ready Final Priority 2
454-13 SCCR 983	FM4	Ed4-NoSW	SCCD, SCCN	2.4P1	4/15/2005 – 12/15/2009	Ready Final Priority 2
455-13 472-13 474-13 SCCR 867	FM3 FM4	Edition4	ES8	2.2P1 2.3P1 2.3P2	6/18/2002 – 3/29/2005	Ready Final Priority 2

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456-13 473-13 475-13 SCCR 867	FM3	Edition4	ES8	2.2P1 2.3P1 2.3P2	3/30/2005- 12/31/2009	Ready Final Priority 2
457-13 SCCR 867	FM4	Ed4-NoSW	ES8	2.2P1	3/30/2005- 12/31/2009	Ready Final Priority 2
476-13 SCCR 867	Aqua	Edition4	ES4, ES9	3.1P1	7/2002 – 11/2009	Ready Final Priority 2
556-14 SCCR 867	Terra +Aqua	Edition4	ES4, ES9	3.2P1	7/2002 – 11/2009	Pending Review
*** Edition 3 SSF & SSF1deg-Hour (SSF, SFC & SAH)						
400-13 SCCR 914	Terra	Edition3A	SFC-HR	9.2P2	9/30/12 – 4/30/13	Active Priority 1
401-13 402-13 SCCR 914	Terra	Edition3A	SFCB SFC	9.3P2 9.4P2	10/12 – 4/13	Active Priority 1
403-13 SCCR 914	Aqua	Edition3A	SFC-HR	9.2P2	9/30/12 – 4/30/13	Active Priority 1
464-13 SCCR 914	Terra	Edition3A	SFC-HR	9.2P2	5/2013 – 6/2013	Complete
468-13 469-13 SCCR 914	Aqua	Edition3A	SFCB SFC	9.3P2 9.4P2	4/2013 – 5/2013	Ready Final Priority 2
498-13 499-13 500-13 SCCRs 984, 939	FM1	Edition3A	SSF	4.5-6.5P4 4.5-6.2P4 4.5-6.4P1	7/1/2013 – 10/31/2013	PR Ready - Final Priority 2
506-13 SCCR 914	Terra	Edition3A	SFC-HR	9.2P2	7/1/2013 – 8/31/2013	Pending Review Priority 2

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507-13 508-13 SCCR 914	Terra	Edition3A	SFCB SFC	9.3P2 9.4P2	6/1/2013 – 7/30/2013	PR Active Priority 2
505-13 SCCR 917	FM1	Edition3A	SAH	5.0P2	7/1/2013 – 10/31/2013	PR Ready - Final Priority 2
501-13 502-13 503-13 SCCRs 984, 939	FM3	Edition3A	SSF	4.5-6.5P4 4.5-6.2P4 4.5-6.4P1	7/1/2013 – 10/31/2013	PR Ready - Final Priority 2
509-13 SCCR 914	Aqua	Edition3A	SFC-HR	9.2P2	7/1/2013 – 8/31/2013	PR Active Priority 2
510-13 511-13 SCCR 914	Aqua	Edition3A	SFCB SFC	9.3P2 9.4P2	6/1/2013 – 7/30/2013	PR Active Priority 2
564-13 SCCR 914	Terra	Edition3A	SFC-HR	9.2P2	9/1/2013 – 10/31/2013	PR Ready - Final Priority 2
565-13 566-13 SCCR 914	Terra	Edition3A	SFCB SFC	9.3P2 9.4P2	8/1/2013 – 9/30/2013	PR Ready - Final Priority 2
561-13 SCCR 914	Aqua	Edition3A	SFC-HR	9.2P2	9/1/2013 – 10/31/2013	PR Ready - Final Priority 2
562-14 563-13 SCCR 914	Aqua	Edition3A	SFCB SFC	9.3P2 9.4P2	8/1/2013 – 9/30/2013	PR Ready - Final Priority 2
504-13 SCCR 917	FM3	Edition3A	SAH	5.0P2	7/1/2013 – 10/31/2013	PR Active Priority 2
*** Edition 3 TSI --> SYNI --> SYN1deg						
557-14 SCCR 801	Terra+ Aqua	Edition3A	Pre-TSI	10.0P3	4/2013 - 9/2013	Active Priority 2
558-14 SCCR 801	Terra+ Aqua	Edition3A	TSI	7.3.1P1	4/2013 - 9/2013	Active Priority 2

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559-14 SCCR 939	Terra+ Aqua	Edition3A	SYNI	7.2.1P1	4/2013 - 9/2013	Active Priority 2
560-14 SCCR 795	Terra+ Aqua	Edition3A	SYN1deg	8.1P1	4/2013 - 9/2013	Active Priority 2
*** Edition 3 SSF1deg						
521-13 SCCR 934	Terra	Edition3A	SSF1deg	10.0P4	6/2013 – 9/2013	Review Complete Priority 2
522-13 SCCR 934	Aqua	Edition3A	SSF1deg	10.0P4	6/2013 – 9/2013	Pending subsystem review Priority 2
**** Beta2-Ed4 SSFi --> SSF						
56-13 57-13 58-13 59-13 SCCR 947	Aqua	Beta2-Ed4	SSFi	4.1-4.1P6 4.1-4.2P4 4.1-4.2P5 4.1-4.3P3	7/2002- 3/2005	Active Priority 2
129-13 130-13 131-13 SCCR 814	FM3,FM4	Beta2-Ed4	SSF	4.5-6.1P5 4.5-6.2P3 4.5-6.4P2	7/2002- 3/2005	Active Priority 2
525-14 529-14 583-14 528-14 SCCR 947	Terra	ValR-CAT	SSFi	4.1-4.1P6 4.1-4.2P4 4.1-4.2P5 4.1-4.3P3	8/2002	PRs in Review
524-14 526-14 584-14 527-14 SCCR 947	Aqua	ValR-CAT	SSFi	4.1-4.1P6 4.1-4.2P4 4.1-4.2P5 4.1-4.3P3	8/2002	PRs in Review

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530-14 531-14 532-14 SCCR 814	FM1, FM2	ValR-CAT	SSF	4.5-6.1P4 4.5-6.2P3 4.5-6.4P2	8/2002	PRs Ready Final
533-14 534-14 535-14 SCCR 814	FM3, FM4	ValR-CAT	SSF	4.5-6. 1P5 4.5-6.2P3 4.5-6.4P2	8/2002	PRs Ready Final
*** ISCCP-D2like Stream (all the ISCCP-D2like products)						
388-13 SCCR 961	Mrg	Edition3A	ISCCP-D2like-Mrg	9.0P3	7/2012 – 3/21013	Ready - Final Priority 2
419-13 SCCR 961	Mrg	Edition3A	ISCCP-D2like-Mrg	9.0P3	10/2012 – 4/21013	Ready – Final Priority 2
483-13 SCCR 961	Terra	Edition3A	ISCCP-D2like-Mrg	9.0P2	5/2013 – 6/21013	Review Complete Priority 2
484-13 SCCR 961	Aqua	Edition3A	ISCCP-D2like-Mrg	9.0P2	5/2013 – 6/21013	Review Complete Priority 2
485-13 SCCR 961	Mrg	Edition3A	ISCCP-D2like-Mrg	9.0P3	5/2013 - 6/21013	Ready Final Priority 2
512-13 SCCR 915	Terra	Edition3A	ISCCP-D2like-Day/Nit	9.0P1	7/2013 - 10/21013	Pending SIT Review Priority 2
513-13 SCCR 915	Aqua	Edition3A	ISCCP-D2like-Day/Nit	9.0P1	7/2013 - 8/21013	Pending SS Review Priority 2
514-13 SCCR 961	Terra	Edition3A	ISCCP-D2like-Mrg	9.0P2	7/2013 - 8/21013	Pending SS Review Priority 2
515-13 SCCR 961	Aqua	Edition3A	ISCCP-D2like-Mrg	9.0P2	7/2013 - 8/21013	Pending SS Review Priority 2
516-13 SCCR 961	Mrg	Edition3A	ISCCP-D2like-Mrg	9.0P3	7/2013 - 8/21013	Pending SS Review Priority 2
**** The PRs are for PGEs that have not completed pre-op testing and been promoted to the production environment						

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TBD SCCR 919	Terra	ValRx-P6	SSFi	4.1-4.1P4 4.1-4.2P2 4.1-4.2P3 4.1-4.3P2	4/13	PR Generation Pending Priority Level 1
TBD SCCR 919	Aqua	ValRx-P6	SSFi	4.1-4.1P4 4.1-4.2P2 4.1-4.2P3 4.1-4.3P2	4/13	PR Generation Pending Priority Level 1
290-13 291-13 292-13 SCCR 912	Terra	ValR1-P6	SSF	4.5-6.1P2 4.5-6.2P2 4.5-6.4P1	4/13	Review Complete Priority Level 1
293-13 294-13 295-13 SCCR 912	Aqua	ValR1-P6	SSF	4.5-6.1P3 4.5-6.2P2 4.5-6.4P1	4/13	Review Complete Priority Level 1
96-13 297-13 298-13 SCCR 912	Terra	ValR1-X86	SSF	4.5-6.1P2 4.5-6.2P2 4.5-6.4P1	4/13	Review Complete Priority Level 1
299-13 300-13 301-13 SCCR 912	Aqua	ValR1-X86	SSF	4.5-6.1P3 4.5-6.2P2 4.5-6.4P1	4/13	Review Complete Priority Level 1
**** The PRs that follow are for PGEs that are pending delivery.						
**** The PRs that follow have completed processing						
NPP 11-12, 2-11 to 4-11, 13-12 SCCRs 911, 878, 863, 756, 867	NPP	Baseline1- QC	BDS/ ES8	1.0P2, 1.1P8, 1.2P1, 1.4P1, 2.2P1	Standing Request	PR Status Active Need to be closed

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AM 1-12 PM 9-11 to 10-11, 1-12 to 3-12, 16-12, 21-12 SCCRs 878, 863, 756, 867	Terra Aqua (FM3, FM4)	Baseline1-QC	BDS/ES8	1.1P8, 1.2P1, 1.4P1, 2.2P1	Standing Request	PR Status Active Need to be closed
NPP 12-12, 3-12 to 6-12 SCCRs 911, 878, 863, 756, 770	NPP	Edition1-CV	BDS/IES/PreS8	1.0P2, 1.1P8, 1.2P1, 1.4P1,1.4P2	Standing Request	PR Status Active Need to be closed
NPP 14-12 to 17-12 SCCR 867	NPP	Edition1-CV	ERBELike	2.2P1 2.3P1, 2 3.1P1	Standing Request	PR Status Active Need to be closed
AM 12-11 to 15-11, AM 2-12 to AM 5-12 PM 12-11 to 15-11, 17-12 to 20-12, 22-12 to 25-12 SCCRs 878, 863, 756, 867	Terra Aqua (FM3, FM4)	Edition1-CV	BDS/ERBELike (SS1-3)	1.1P8 1.2P1 1.4P1&2, 2.1P1 2.2P1 2.3P1/2 3.1P1	Standing request	PR Status Active Needs to be closed
489-13 492-13 SCCRs 956, 863	FM3	Edition3	BDS, IES	1.2P1 1.4P3	7/1/2013 – 8/31/2013	PR Active Should be Complete
354-13 SCCR 867	FM1	Edition3	ES8	2.2P1	10/1/2012 – 2/28/2013	PR Active Should be Complete
357-13 359-13 SCCR 867	FM1	Edition3	ES8	2.3P1 2.3P2	10/1/2012 – 2/28/2013	PR Active Needs to be closed Complete. 8/16/13

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Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	PR Status (Active PRs only) (Unless noted, Statuses apply to all PRs in row)
355-13 358-13 360-13 SCCR 867	FM3	Edition3	ES8	2.2P1 2.3P1 2.3P2	10/1/2012 – 2/28/2013	PR Ready - Final Needs to be closed Complete. 8/17/13
356-13 SCCR 867	FM4	Ed3-NoSW	ES8	2.2P1	10/1/2012 – 2/28/2013	PR Ready - Final Complete. 8/17/13 Needs to be closed
546-14 549-14 551-14 SCCR 867	FM1, FM2	Edition3	ES8	2.2P1 2.3P1 2.3P2	7/1/2013 – 10/31/2013	PR Active Should be Complete
361-13 SCCR 867	Terra	Edition3	ES4, ES9	3.1P1	10/2012 - 1/2013	PR Active Complete. 8/16/13 Needs to be closed
362-13 SCCR 867	Aqua	Edition3	ES4, ES9	3.1P1	10/2012 - 1/2013	Complete. 8/17/13 Needs to be closed
363-13 SCCR 867	FM1+ FM3	Edition3	ES4, ES9	3.2P1	10/2012 - 1/2013	Complete. 8/26/13 Needs to be closed
AM 136-13 PM 140-13 SCCR 693	Terra Aqua	Edition1- CV	SSFi Clouds	4.1-4.1P4 4.1-4.1P5	12/31/2013 forward	Replaced by PRs AM 390-13 and PM 391-13 Needs to be closed
52-13 53-13 54-13 55-13 SCCR 947	Terra	Beta2-Ed4	SSFi	4.1-4.1P6 4.1-4.2P4 4.1-4.2P5 4.1-4.3P3	3/2000 – 5/2005	PR Status Active Need to be closed
126-13 127-13 128-13 SCCR 947	FM1 FM2	Beta2-Ed4	SSF	4.5-6.1P4 4.5-6.1P5 4.5-6.2P3 4.5-6.4P2	3/2000 – 5/2005	PR Status Active Need to be closed

April 2, 2014 - System Issues and Status

Table 1: PR Status for 04/02/14
(Status as of 03/31/14)

Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	PR Status (Active PRs only) <i>(Unless noted, Statuses apply to all PRs in row)</i>
310-13 SCCR 917	Aqua	Edition3A	SAH	5.0P2	7/10 – 12/11	PR Active Needs to be closed
345-13 SCCR 801	Terra+ Aqua	Edition3A	TSI	7.3.1P1	10/2012 – 3/2013	PR Ready - Final Needs to be closed
30-13 SCCR 804	Terra+ Aqua	Edition3A	SYNI	7.2.1P1	12/2011 – 5/2012 – 3/2012	Complete. PR closure pending addition of comment box in PRDB to indicate actual ending date
2-13 SCCR 795	Terra+ Aqua	Edition3A	SYN1deg	8.1P1	12/2011 – 5/2012 – 3/2012	Complete. PR closure pending addition of comment box in PRDB to indicate actual ending date
218-13 SCCR 961	Mrg	Edition3A	ISCCP- D2like-Mrg	9.0P3	3/2000 – 6/2012	Complete. Can't close until PRDB 1.0.6 is in place
96-13 SCCR 916		Edition3A	ISCCP- D2like-GEO	11.7P1	3/1/10 – 6/30/12	Complete. Can't close until PRDB 1.0.6 is in place
389-13 SCCR 916		Edition3A	ISCCP- D2like-GEO	11.7P1	7/1/2012 – 6/30/2013	Complete. Can't close until PRDB 1.0.6 is in place
449-13 446-13 SCCRs 863, 959	FM3 FM4	Edition4	BDS, IES	1.2P1 1.4P3	6/18/2002 – 3/29/2005	Complete
517-13 SCCR 801	Terra+ Aqua	Edition3A	Pre-TSI	10.0P3	6/2013 - 7/2013	Cancelled before Production
518-13 SCCR 801	Terra+ Aqua	Edition3A	TSI	7.3.1P1	6/2013 - 7/2013	Cancelled before Production
519-13 SCCR 939	Terra+ Aqua	Edition3A	SYNI	7.2.1P1	4/2013 - 9/2013	Cancelled before Production
520-13 SCCR 795	Terra+ Aqua	Edition3A	SYN1deg	8.1P1	6/2013 - 7/2013	Cancelled before Production

Table 2. April 2, 2014 - System Issues and Status

Activity	Lead	Status
SEC	Miller	<ul style="list-style-type: none"> No updates.
CM/Documentation	Ayers (Saunders)	<ul style="list-style-type: none"> See Table 3 for SCCR activity since the last DMT meeting. SCCRs that need to be reviewed follow Table 3. (Ayers - Tammy.O.Ayers@nasa.gov) SCCR 919 –Further testing is on hold pending the decision on how to proceed with this delivery. (Ayers) SCCR 996 – Formatted the updated CATALYST Operator’s Manual, posted it on the Web, and notified the ASDC of its availability. (Saunders – Joanne.H.Saunders@nasa.gov) SCCR 996 – Installed and tested this delivery on <i>AMI-P</i> and released it to the ASDC on March 18. (Ayers) SCCR 997 – Installed and tested this delivery on <i>AMI-P</i> and released it to the ASDC on March 18. (Ayers) SCCR 1000 – Installed and tested this delivery on <i>AMI-P</i> and released it to the ASDC on March 18. (Ayers) Updated the Promoted Directories document to include information for the CATALYST monitoring utility, the CATALYST recovery utility, and the CATALYST logging database patcher. Posted the document on the CM Home page and provided it to the ASDC. (Ayers, Saunders) Edited the following documents and posted them on the CATALYST Home page: CATALYST Known Issues and Workarounds, CATALYST Monitoring Utility, and CATALYST Recovery Utility. Notified the ASDC of their availability. (Ayers, Saunders) SCCR 1002 - Formatted the updated Synoptic SARB Operator’s Manual, posted it on the Web, and notified the ASDC of its availability. (Saunders) SCCR 1003 - Formatted the updated Instantaneous SARB Operator’s Manual, posted it on the Web, and notified the ASDC of its availability. (Saunders) SCCR 1003 – Installed this delta delivery on <i>AMI-P</i> and released it to the ASDC on March 18. (Ayers) SCCR 990 – Released CERESlib to the ASDC on March 20. (Grune - Carla.O.Grune@nasa.gov) SCCR 992 – Released Perl_Lib to the ASDC on March 20. (Grune) SCCR 973 – Completed testing Inversion PGE CER4.5-6.1P6 on <i>AMI-P-P6</i> and <i>AMI-P-x86</i> and released the delivery to the ASDC on March 20. (Grune)

Table 2. April 2, 2014 - System Issues and Status

Activity	Lead	Status
CM/Documentation (Cont'd)	Ayers (Saunders)	<ul style="list-style-type: none"> • SCCR 973 – Formatted the updated Inversion Test Plan, posted it on the Web, and notified the ASDC of its availability. (Saunders) • SCCR 960 – Formatted the updated Clouds Operator’s Manual, posted it on the Web, and notified the ASDC of its availability. (Saunders) • SCCR 960 – Installed, compiled, and tested this delivery on <i>AMI-P-P6</i>. Evaluating differences between expected output and output created during CM testing. (Ayers) • SCCR 1001 - Formatted the updated Inversion Operator’s Manual, posted it on the Web, and notified the ASDC of its availability. (Saunders) • SCCR 1001 – Installed and compiled Inversion PGE CER4.5-6.0P6 on <i>AMI-P-P6</i> and <i>AMI-P-x86</i>. Testing is underway. (Grune) • SCCR 979 - Formatted the updated Instrument Operator’s Manual, posted it on the Web, and notified the ASDC of its availability. (Saunders) • Installed the updated Edition3 spectral response function files for Terra FM1 and FM2 and Aqua FM3 and FM4 for November 1, 2013, through December 31, 2013, on <i>AMI-P</i> and released them to the ASDC on March 26. (Ayers) • Installed the Edition3 gains for Terra FM1 and FM2 and Aqua FM3 and FM4 for November 1, 2013, through December 31, 2013, on <i>AMI-P</i> and released them to the ASDC on March 27. (Ayers) • Installed the Edition4 spectral response function files for Terra FM1 and FM2 for February 1, 2000, through December 31, 2009, and Aqua FM3 and FM4 for June 1, 2002, through December 31, 2009, on <i>AMI-P</i> and released them to the ASDC on March 28. (Ayers).
AMI Job Submission Scripts (AJSS)	Ayers (Hillyer)	<ul style="list-style-type: none"> • Reviewed clouds delivery scripts and verified that the scripts are compatible with standard AJSS practices. Determined that it was acceptable to move input checking into new modules as long as the functions performed the necessary verifications. Also informed Rita about the ephemeris and attitude file options in the clouds module and made suggestions for replacing some system commands to increase performance of the module. (Grepitotis - Arthur.T.Grepitotis@nasa.gov) • Updated PCF module for PGE CER1.1P8 to handle a problem retrieving files from the subsystem directory rather than the archive in the case where PROD is set to no. (Grepitotis)

Table 2. April 2, 2014 - System Issues and Status

Activity	Lead	Status
<i>AMI</i> Job Submission Scripts (AJSS) (Cont'd)	Ayers (Hillyer)	<ul style="list-style-type: none">• Assisted Denise in updating a function used by the PGE CER1.1P8 PCF module that returns the number of packets in a diagnostic file to no longer halt the PCF generator when there is a problem reading the file. (Grepitotis)• Assisted Denise with updating some Level 0 retrieval logic in the PGE CER1.1P8 PCF module. (Grepitotis)

Table 3. SCCR Activity March 17 at 1:30 p.m. – March 31 at 5:00 p.m.

SCCR	S	U	A	C	D	SS	Page No.	Comments
960		X				Clouds	19	
999				X		PR_Database		
1002				X		Synoptic SARB		
1003			X			Instantaneous SARB		
1004	X					CATALYST	32	
1005	X					Perl_Lib	33	

S=Submitted; **U**=Updated; **A**=Approved; **C**=Closed; **D**=Disapproved; **SS**=Subsystem

CERES Software Configuration Change Request Submittal

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Subsystem: Clouds

SCCR Date: 03/18/2013

SCCR No.: 960

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Parameter Change: (X) YES () NO

Description of Change (Science):

1. Built, computed and implemented Correlated K-Distribution's coefficients for VIIRS bands: 3.7 (I4), 11 (M15), 12 (M16), 1.6 (M10), and 1.24 (M8) um (Req. 4-20.2)
2. Created and implemented clear sky directional models and bidirectional models for 1.6 um for both snow free and snow covered surfaces, as well as clear sky start up maps (snow-free and snow-cover) for 1.6 um (Req. 4-20.3)
3. Updated clear sky overhead albedo for 1.6 um over snow covered surfaces, as well as snow-free surfaces (Req. 4-20.20)
4. Came up a way to resolve VIIRS bowtie deletion issue (Req. 4-20.4)
5. Modified the code to process CERES-VIIRS at 8 (scan) x 2 (track) resolution (Req. 4-20.5)
6. Uploaded the latest lapse rate database created from 2 years of merged MODIS-Aqua and CALIPSO data (Req. 4-20.6)
7. Converted VIIRS AOT to corresponding MODIS AOT by weighting logarithm of VIIRS wavelength to MODIS wavelength for 0.469, 0.645, 0.858, 1.64 and 2.13 um (Req. 4-20.17)
8. Calculated 1.24 um reflectance from radiance, and passed the reflectance to SSF (Req. 4-20.18)
9. Fixed issues causing core dumps due to unreasonable satellite times and angles (Req. 4-20.19)

Reason for Change (Science):

- 1 – 9: To have Clouds code worked with NPP-VIIRS data.

Description of Change (non-Science):

1. Built the PCF generators and scripts (Req. 4-20.21)

Reason for Change (non-Science):

1. To comply with DMT requirement.

Parameter(s) and Product(s) Being Changed (Use Name(s) from Data Products Catalog) and Description of Parameter Change:

SSF-66	Clear area percent coverage at subpixel resolution
SSF-67	Cloud-mask clear-strong percent coverage
SSF-68	Cloud-mask clear-weak percent coverage
SSF-69	Cloud-mask snow/ice percent coverage
SSF-70	Cloud-mask aerosol B percent coverage
SSF-72	Cloud-mask percent coverage supplement
SSF-79	CWG surface skin temperature
SSF-79a	CWG precipitable water
SSF-80	Vertical temperature change
SSF-81	Clear/layer/overlap percent coverages
SSF-82	Note for cloud layer
SSF-83	Mean visible optical depth for cloud layer
SSF-84	Stddev of visible optical depth for cloud layer
SSF-85	Mean logarithm of visible optical depth for cloud layer
SSF-86	Stddev of logarithm of visible optical depth for cloud layer
SSF-87	Mean cloud infrared emissivity for cloud layer
SSF-88	Stddev of cloud infrared emissivity for cloud layer
SSF-89	Mean liquid water path for cloud layer (3.7)
SSF-90	Stddev of liquid water path for cloud layer (3.7)
SSF-91	Mean ice water path for cloud layer (3.7)
SSF-92	Stddev of ice water path for cloud layer (3.7)
SSF-93	Mean cloud top pressure for cloud layer
SSF-94	Stddev of cloud top pressure for cloud layer
SSF-94a	Mean cloud top temperature for cloud layer
SSF-94b	Mean cloud top height for cloud layer
SSF-95	Mean cloud effective pressure for cloud layer
SSF-96	Stddev of cloud effective pressure for cloud layer
SSF-97	Mean cloud effective temperature for cloud layer
SSF-98	Stddev of cloud effective temperature for cloud layer
SSF-99	Mean cloud effective height for cloud layer
SSF-100	Stddev of cloud effective height for cloud layer
SSF-101	Mean cloud base pressure for cloud layer
SSF-102	Stddev of cloud base pressure for cloud layer
SSF-102a	Mean cloud base temperature for cloud layer
SSF-103	Mean water particle radius for cloud layer (3.7)
SSF-104	Stddev of water particle radius for cloud layer (3.7)
SSF-105	Mean ice particle effective radius for cloud layer (3.7)
SSF-106	Stddev of ice particle effective radius for cloud layer (3.7)
SSF-106a	Mean asymmetry factor for cloud layer
SSF-107	Mean cloud particle phase for cloud layer (3.7)
SSF-108	Mean water particle radius for cloud layer (1.2)
SSF-109	Mean ice particle effective radius for cloud layer (1.2)
SSF-110	Mean logarithm of visible optical depth for cloud layer(1.2)
SSF-110a	Mean water particle radius for cloud layer (2.1)
SSF-110b	Mean ice particle effective radius for cloud layer (2.1)
SSF-110c	Mean logarithm of visible optical depth for cloud layer (2.1)
SSF-111	CO2 slicing percent coverages for cloud layer

SSF-111a	Mean infrared emissivity for cloud layer - CO2 slicing
SSF-111b	Mean effective pressure for cloud layer - CO2 slicing
SSF-111c	Mean effective temperature for cloud layer - CO2 slicing
SSF-112	Mean effective height for cloud layer - CO2 slicing
SSF-113	Percentiles of visible optical depth for cloud layer
SSF-114a	Single layer/multilayer percent coverages
SSF-114b	Mean visible optical depth for multilayer
SSF-114c	Mean logarithm of visible optical depth for multilayer
SSF-114d	Mean cloud infrared emissivity for multilayer
SSF-114e	Mean cloud top pressure for multilayer
SSF-114f	Mean cloud top temperature for multilayer
SSF-114g	Mean cloud top height for multilayer
SSF-114h	Mean cloud particle phase for multilayer (3.7)
SSF-114i	Mean water particle radius for multilayer (3.7)
SSF-114j	Mean ice particle effective radius for Multilayer (3.7)
SSF-114k	Mean water particle radius for Multilayer (2.1) S
SF-114l	Mean ice particle effective radius for multilayer (2.1)

Reason for Parameter Change:

The changes made in “Science Changes” above will affect all SSF parameters listed above.

Affected PGEs in this Subsystem:

CER4.1-4.1P7, CER4.1-4.2P7, CER4.1-4.2P6, CER4.1-4.3P4

Estimated Time to Complete Change: Completed

Planned Delivery Date: 2 weeks after receiving C1.1 VIIRS VIMD/VAOT

List Affected Subsystems and PGE Names: Inversion 4.5-6.1P7, and 4.5-6.2P3; SARB 5.0P2 and 7.2.1P2; and TISA 9.2P2 and 9.0P2

Date & Time: 2014-03-25 15:34:15

Originator: SUN-MACK, SUNNY (SSAI)

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Parameter Change: (X) YES () NO

Description of Change (Science):

1. Created liquid water reflectance models from single scattering properties to BRDF with response function, computed by Gang Hong, for VIIRS I1, I3, I4 and M8. To build ice reflectance models by applying response functions to Ping Yang's ice BRDF at central band to calculate albedoes for the same bands: I1, I3, I4, and M8 (Req. 4-20.16)

2. Modified cloud retrieval code to remove optical depth conversion from 3.7 um to 0.6 um for both water and ice clouds. (Req. 4-20.5)

3. Modified cloud retrieval code to have thick-cloud-top-height-correction worked properly (Req. 4-20.4)
4. Calculated and implemented O2 transmittance for 0.6 um used in cloud retrievals (Req. 4-20.13)
5. Modified ice water path calculation (Req. 4-20.3)
6. Implemented single scattering albedos for VIIRS 3.7 um for both ice and water (Req. 4-20.6)
7. Implemented 1.6 um particle size retrieval for VIIRS over snow free surfaces, instead of 2.1 particle size retrieval in MODIS Ed4 (Req. 4-20.17)
8. Built and implemented optical depth conversions from visible to 1.6 and 1.24 um, respectively, for each particle size (Req. 4-20.17)
9. Computed and implemented cloud absorptions for both VIIRS 1.24 and 1.6 um. (Req. 4-20.18)
10. Built and implemented new 1.24 and 1.6 um reflectance parameterizations. (Req. 4-20.19)

Reason for Change (Science):

1 – 10: Specific Cloud Retrievals needed to work with NPP-VIIRS data.

Description of Change (non-Science):

N/A

Reason for Change (non-Science):

N/A

Parameter(s) and Product(s) Being Changed (Use Name(s) from Data Products Catalog) and Description of Parameter Change:

SSF-66	Clear area percent coverage at subpixel resolution
SSF-67	Cloud-mask clear-strong percent coverage
SSF-68	Cloud-mask clear-weak percent coverage
SSF-69	Cloud-mask snow/ice percent coverage
SSF-70	Cloud-mask aerosol B percent coverage
SSF-72	Cloud-mask percent coverage supplement
SSF-79	CWG surface skin temperature
SSF-79a	CWG precipitable water
SSF-80	Vertical temperature change
SSF-81	Clear/layer/overlap percent coverages
SSF-82	Note for cloud layer
SSF-83	Mean visible optical depth for cloud layer
SSF-84	Stddev of visible optical depth for cloud layer
SSF-85	Mean logarithm of visible optical depth for cloud layer
SSF-86	Stddev of logarithm of visible optical depth for cloud layer
SSF-87	Mean cloud infrared emissivity for cloud layer
SSF-88	Stddev of cloud infrared emissivity for cloud layer

SSF-89	Mean liquid water path for cloud layer (3.7)
SSF-90	Stddev of liquid water path for cloud layer (3.7)
SSF-91	Mean ice water path for cloud layer (3.7)
SSF-92	Stddev of ice water path for cloud layer (3.7)
SSF-93	Mean cloud top pressure for cloud layer
SSF-94	Stddev of cloud top pressure for cloud layer
SSF-94a	Mean cloud top temperature for cloud layer
SSF-94b	Mean cloud top height for cloud layer
SSF-95	Mean cloud effective pressure for cloud layer
SSF-96	Stddev of cloud effective pressure for cloud layer
SSF-97	Mean cloud effective temperature for cloud layer
SSF-98	Stddev of cloud effective temperature for cloud layer
SSF-99	Mean cloud effective height for cloud layer
SSF-100	Stddev of cloud effective height for cloud layer
SSF-101	Mean cloud base pressure for cloud layer
SSF-102	Stddev of cloud base pressure for cloud layer
SSF-102a	Mean cloud base temperature for cloud layer
SSF-103	Mean water particle radius for cloud layer (3.7)
SSF-104	Stddev of water particle radius for cloud layer (3.7)
SSF-105	Mean ice particle effective radius for cloud layer (3.7)
SSF-106	Stddev of ice particle effective radius for cloud layer (3.7)
SSF-106a	Mean asymmetry factor for cloud layer
SSF-107	Mean cloud particle phase for cloud layer (3.7)
SSF-108	Mean water particle radius for cloud layer (1.2)
SSF-109	Mean ice particle effective radius for cloud layer (1.2)
SSF-110	Mean logarithm of visible optical depth for cloud layer(1.2)
SSF-110a	Mean water particle radius for cloud layer (2.1)
SSF-110b	Mean ice particle effective radius for cloud layer (2.1)
SSF-110c	Mean logarithm of visible optical depth for cloud layer (2.1)
SSF-111	CO2 slicing percent coverages for cloud layer
SSF-111a	Mean infrared emissivity for cloud layer - CO2 slicing
SSF-111b	Mean effective pressure for cloud layer - CO2 slicing
SSF-111c	Mean effective temperature for cloud layer - CO2 slicing
SSF-112	Mean effective height for cloud layer - CO2 slicing
SSF-113	Percentiles of visible optical depth for cloud layer
SSF-114a	Single layer/multilayer percent coverages
SSF-114b	Mean visible optical depth for multilayer
SSF-114c	Mean logarithm of visible optical depth for multilayer
SSF-114d	Mean cloud infrared emissivity for multilayer
SSF-114e	Mean cloud top pressure for multilayer
SSF-114f	Mean cloud top temperature for multilayer
SSF-114g	Mean cloud top height for multilayer
SSF-114h	Mean cloud particle phase for multilayer (3.7)
SSF-114i	Mean water particle radius for multilayer (3.7)
SSF-114j	Mean ice particle effective radius for Multilayer (3.7)
SSF-114k	Mean water particle radius for Multilayer (2.1) S
SF-114l	Mean ice particle effective radius for multilayer (2.1)

Reason for Parameter Change:

The changes made in "Science Changes" above will affect all SSF parameters listed above.

Affected PGEs in this Subsystem:

CER4.1-4.1P7, CER4.1-4.2P7, CER4.1-4.2P6, CER4.1-4.3P4

Estimated Time to Complete Change: Completed

Planned Delivery Date: 2 weeks after receiving C1.1 VIIRS VIMD/VAOT

List Affected Subsystems and PGE Names: Inversion 4.5-6.1P7, and 4.5-6.2P3; SARB 5.0P2 and 7.2.1P2; and TISA 9.2P2 and 9.0P2

Date & Time: 2014-03-25 15:42:26

Originator: SUN-MACK, SUNNY (SSAI)

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Parameter Change: (X) YES () NO

Description of Change (Science):

(1) Replaced CloudMask MODIS Ed4 cloud tests that used 6.7 and 13.3 um with the new tests using VIIRS available channels (Req. 4-20.0)

(2) Switched from 2.25 um to 1.6 um (Req. 4-20.0)

(3) Used VIIRS Corr K and 1.6 snow model (Req. 4-20.0)

(4) Reduced cloud streak in Sun glint ocean (Req. 4-20.0)

(5) Daytime polar: improved identification of open ocean, clear snow and snow-free surfaces (Req. 4-20.0)

(6) Increased nighttime tropical ocean thin Cirrus clouds detection (Req. 4-20.0)

(7) Significantly improved twilight and Nighttime polar cloud detection, reduced twilight stripping and nighttime speckling. Picked up more low clouds and thin Cirrus (Req. 4-20.0)

Reason for Change (Science):

(1) - (7) To have CERES cloud mask worked with NPP-VIIRS data. To improve CERES-VIIRS cloud mask when validating with CERES-MODIS Ed4.

Description of Change (non-Science):

N/A

Reason for Change (non-Science):

N/A

Parameter(s) and Product(s) Being Changed (Use Name(s) from Data Products Catalog) and Description of Parameter Change:

SSF-66	Clear area percent coverage at subpixel resolution
SSF-67	Cloud-mask clear-strong percent coverage
SSF-68	Cloud-mask clear-weak percent coverage
SSF-69	Cloud-mask snow/ice percent coverage
SSF-70	Cloud-mask aerosol B percent coverage
SSF-72	Cloud-mask percent coverage supplement
SSF-79	CWG surface skin temperature
SSF-79a	CWG precipitable water
SSF-80	Vertical temperature change
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SSF-82	Note for cloud layer
SSF-83	Mean visible optical depth for cloud layer
SSF-84	Stddev of visible optical depth for cloud layer
SSF-85	Mean logarithm of visible optical depth for cloud layer
SSF-86	Stddev of logarithm of visible optical depth for cloud layer
SSF-87	Mean cloud infrared emissivity for cloud layer
SSF-88	Stddev of cloud infrared emissivity for cloud layer
SSF-89	Mean liquid water path for cloud layer (3.7)
SSF-90	Stddev of liquid water path for cloud layer (3.7)
SSF-91	Mean ice water path for cloud layer (3.7)
SSF-92	Stddev of ice water path for cloud layer (3.7)
SSF-93	Mean cloud top pressure for cloud layer
SSF-94	Stddev of cloud top pressure for cloud layer
SSF-94a	Mean cloud top temperature for cloud layer
SSF-94b	Mean cloud top height for cloud layer
SSF-95	Mean cloud effective pressure for cloud layer
SSF-96	Stddev of cloud effective pressure for cloud layer
SSF-97	Mean cloud effective temperature for cloud layer
SSF-98	Stddev of cloud effective temperature for cloud layer
SSF-99	Mean cloud effective height for cloud layer
SSF-100	Stddev of cloud effective height for cloud layer
SSF-101	Mean cloud base pressure for cloud layer
SSF-102	Stddev of cloud base pressure for cloud layer
SSF-102a	Mean cloud base temperature for cloud layer
SSF-103	Mean water particle radius for cloud layer (3.7)
SSF-104	Stddev of water particle radius for cloud layer (3.7)
SSF-105	Mean ice particle effective radius for cloud layer (3.7)
SSF-106	Stddev of ice particle effective radius for cloud layer (3.7)
SSF-106a	Mean asymmetry factor for cloud layer
SSF-107	Mean cloud particle phase for cloud layer (3.7)
SSF-108	Mean water particle radius for cloud layer (1.2)
SSF-109	Mean ice particle effective radius for cloud layer (1.2)
SSF-110	Mean logarithm of visible optical depth for cloud layer(1.2)
SSF-110a	Mean water particle radius for cloud layer (2.1)
SSF-110b	Mean ice particle effective radius for cloud layer (2.1)

SSF-110c	Mean logarithm of visible optical depth for cloud layer (2.1)
SSF-111	CO2 slicing percent coverages for cloud layer
SSF-111a	Mean infrared emissivity for cloud layer - CO2 slicing
SSF-111b	Mean effective pressure for cloud layer - CO2 slicing
SSF-111c	Mean effective temperature for cloud layer - CO2 slicing
SSF-112	Mean effective height for cloud layer - CO2 slicing
SSF-113	Percentiles of visible optical depth for cloud layer
SSF-114a	Single layer/multilayer percent coverages
SSF-114b	Mean visible optical depth for multilayer
SSF-114c	Mean logarithm of visible optical depth for multilayer
SSF-114d	Mean cloud infrared emissivity for multilayer
SSF-114e	Mean cloud top pressure for multilayer
SSF-114f	Mean cloud top temperature for multilayer
SSF-114g	Mean cloud top height for multilayer
SSF-114h	Mean cloud particle phase for multilayer (3.7)
SSF-114i	Mean water particle radius for multilayer (3.7)
SSF-114j	Mean ice particle effective radius for Multilayer (3.7)
SSF-114k	Mean water particle radius for Multilayer (2.1) S
SF-114l	Mean ice particle effective radius for multilayer (2.1)

Reason for Parameter Change:

The changes made in “Science Changes” above will affect all SSF parameters listed above.

Affected PGEs in this Subsystem:

CER4.1-4.1P7, CER4.1-4.2P7, CER4.1-4.2P6, CER4.1-4.3P4

Estimated Time to Complete Change: Completed

Planned Delivery Date: 2 weeks after receiving C1.1 VIIRS VIMD/VAOT

List Affected Subsystems and PGE Names: Inversion 4.5-6.1P7, and 4.5-6.2P3; SARB 5.0P2 and 7.2.1P2; and TISA 9.2P2 and 9.0P2

Date & Time: 2014-03-25 15:47:22

Originator: SUN-MACK, SUNNY (SSAI)

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Parameter Change: (X) YES () NO

Description of Change (Science):

1. Created a new lookup table, LUT_MCO2ML_VIIRS_ceres, for the VIIRS data and for applications of Edition 1-beta version of the pseudo CO2 and multi-layer algorithms (Req. 4-20.1)
2. Modified the main subroutine, GET_VIIRS_CO2, for the VIIRS data and applied a new CO2-replacement algorithm for the retrievals of cirrus cloud top height, pressure and temperature (Req. 4-20.1).

3. Extended the range for the retrievals of cirrus cloud top height, pressure and temperature (Req. 4-20.1)
4. Modified the main subroutine, GET_VIIRS_MULTI, for the VIIRS data and their multi-layered cloud optical and microphysical property retrievals (Req. 4-20.1)
5. Eliminated all multi-layered cloud retrievals over the snow or ice covered surface (Req. 4-20.1).

Reason for Change (Science):

1. Modification of lookup table and application of new methods are necessary because the CERES VIIRS data only have limited spectral bands that are fewer than the CERES MODIS data have. The VIIRS data also have different spectral and pixel resolutions than the MODIS data.
2. The CERES VIIRS data do not cover the CO₂ spectral bands, so a new 11-um/12-um/8.5-um spectral method has been used to replace the CERES MODIS CO₂ slicing algorithm
3. CERES retrievals of cirrus cloud top heights have been systematically too low when compared with the CALIPSO data.
4. CERES multi-layered retrieval flags over the snow or ice covered areas have been largely false detection.
5. To increase the accuracy of multilayer identification.

Description of Change (non-Science):

N/A

Reason for Change (non-Science):

N/A

Parameter(s) and Product(s) Being Changed (Use Name(s) from Data Products Catalog) and Description of Parameter Change:

SSF-66	Clear area percent coverage at subpixel resolution
SSF-67	Cloud-mask clear-strong percent coverage
SSF-68	Cloud-mask clear-weak percent coverage
SSF-69	Cloud-mask snow/ice percent coverage
SSF-70	Cloud-mask aerosol B percent coverage
SSF-72	Cloud-mask percent coverage supplement
SSF-79	CWG surface skin temperature
SSF-79a	CWG precipitable water
SSF-80	Vertical temperature change
SSF-81	Clear/layer/overlap percent coverages
SSF-82	Note for cloud layer
SSF-83	Mean visible optical depth for cloud layer
SSF-84	Stddev of visible optical depth for cloud layer
SSF-85	Mean logarithm of visible optical depth for cloud layer
SSF-86	Stddev of logarithm of visible optical depth for cloud layer

SSF-87 Mean cloud infrared emissivity for cloud layer
 SSF-88 Stddev of cloud infrared emissivity for cloud layer
 SSF-89 Mean liquid water path for cloud layer (3.7)
 SSF-90 Stddev of liquid water path for cloud layer (3.7)
 SSF-91 Mean ice water path for cloud layer (3.7)
 SSF-92 Stddev of ice water path for cloud layer (3.7)
 SSF-93 Mean cloud top pressure for cloud layer
 SSF-94 Stddev of cloud top pressure for cloud layer
 SSF-94a Mean cloud top temperature for cloud layer
 SSF-94b Mean cloud top height for cloud layer
 SSF-95 Mean cloud effective pressure for cloud layer
 SSF-96 Stddev of cloud effective pressure for cloud layer
 SSF-97 Mean cloud effective temperature for cloud layer
 SSF-98 Stddev of cloud effective temperature for cloud layer
 SSF-99 Mean cloud effective height for cloud layer
 SSF-100 Stddev of cloud effective height for cloud layer
 SSF-101 Mean cloud base pressure for cloud layer
 SSF-102 Stddev of cloud base pressure for cloud layer
 SSF-102a Mean cloud base temperature for cloud layer
 SSF-103 Mean water particle radius for cloud layer (3.7)
 SSF-104 Stddev of water particle radius for cloud layer (3.7)
 SSF-105 Mean ice particle effective radius for cloud layer (3.7)
 SSF-106 Stddev of ice particle effective radius for cloud layer (3.7)
 SSF-106a Mean asymmetry factor for cloud layer
 SSF-107 Mean cloud particle phase for cloud layer (3.7)
 SSF-108 Mean water particle radius for cloud layer (1.2)
 SSF-109 Mean ice particle effective radius for cloud layer (1.2)
 SSF-110 Mean logarithm of visible optical depth for cloud layer(1.2)
 SSF-110a Mean water particle radius for cloud layer (2.1)
 SSF-110b Mean ice particle effective radius for cloud layer (2.1)
 SSF-110c Mean logarithm of visible optical depth for cloud layer (2.1)
 SSF-111 CO2 slicing percent coverages for cloud layer
 SSF-111a Mean infrared emissivity for cloud layer - CO2 slicing
 SSF-111b Mean effective pressure for cloud layer - CO2 slicing
 SSF-111c Mean effective temperature for cloud layer - CO2 slicing
 SSF-112 Mean effective height for cloud layer - CO2 slicing
 SSF-113 Percentiles of visible optical depth for cloud layer
 SSF-114a Single layer/multilayer percent coverages
 SSF-114b Mean visible optical depth for multilayer
 SSF-114c Mean logarithm of visible optical depth for multilayer
 SSF-114d Mean cloud infrared emissivity for multilayer
 SSF-114e Mean cloud top pressure for multilayer
 SSF-114f Mean cloud top temperature for multilayer
 SSF-114g Mean cloud top height for multilayer
 SSF-114h Mean cloud particle phase for multilayer (3.7)
 SSF-114i Mean water particle radius for multilayer (3.7)
 SSF-114j Mean ice particle effective radius for Multilayer (3.7)

SSF-114k Mean water particle radius for Multilayer (2.1) S
SF-114l Mean ice particle effective radius for multilayer (2.1)

Reason for Parameter Change:

The changes made in “Science Changes” above will affect all SSF parameters listed above.

Affected PGEs in this Subsystem:

CER4.1-4.1P7, CER4.1-4.2P7, CER4.1-4.2P6, CER4.1-4.3P4

Estimated Time to Complete Change: Completed

Planned Delivery Date: 2 weeks after receiving C1.1 VIIRS VIMD/VAOT

List Affected Subsystems and PGE Names: Inversion 4.5-6.1P7, and 4.5-6.2P3; SARB 5.0P2 and 7.2.1P2; and TISA 9.2P2 and 9.0P2

Date & Time: 2014-03-25 15:53:46

Originator: SUN-MACK, SUNNY (SSAI)

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Parameter Change: (X) YES () NO

Description of Change (Science):

- 1. Set LogOptDepth Std return variable to a dummy for 1.24 and 2.13. (4.20-21)
- 2. Set radiance variables to the chosen VIIRS channels. (4.20-22)

Reason for Change (Science):

- 1. The variable to return the LogOptDepth standard deviation was being overwritten by the value for 2.13.
- 2. The VIIRS imager does not have the same wavelengths as MODIS. A new set of channels were selected.

Description of Change (non-Science):

- 1. Necessary switch for satellite and CERES instrument were updated to handle NPP and FM5. (4.20-20)

Reason for Change (non-Science):

- 1. Without adding the correct instrument or satellite, the correct portions of the code would not have been used.

Parameter(s) and Product(s) Being Changed (Use Name(s) from Data Products Catalog) and Description of Parameter Change:

SSF-86 Stddev of logarithm of visible optical depth for cloud layer.
 SSF-115 Imager channel central wavelength
 SSF-118 Mean imager radiances over clear area
 SSF-119 Stddev of imager radiance over clear area

SSF-122 Mean imager radiance over full CERES FOV
SSF-123 Stddev of imager radiance over full CERES FOV
SSF-131a Additional imager channel central wavelength
SSF-131b Additional mean imager radiances over clear area
SSF-131c Additional stddev of imager radiance over clear area
SSF-131d Additional mean imager radiance over full CERES FOV
SSF-131e Additional stddev of imager radiance over full CERES FOV

Reason for Parameter Change:

SSF-86 correct an error that reported the value for another wavelength.

SSF-115, SSF-118, SSF-119, SSF-122, SSF-123, SSF-131a, SSF-131b, SSF-131c, SSF-131d, and SSF-131e to assign VIIRS radiances.

Affected PGEs in this Subsystem:

CER4.1-4.1P7, CER4.1-4.2P7, CER4.1-4.2P6, CER4.1-4.3P4

Estimated Time to Complete Change: Completed

Planned Delivery Date: 2 weeks after receiving C1.1 VIIRS VIMD/VAOT

List Affected Subsystems and PGE Names: nversion 4.5-6.1P7, and 4.5-6.2P3; SARB 5.0P2 and 7.2.1P2; and TISA 9.2P2 and 9.0P2

Date & Time: 2014-03-27 14:32:25

Originator: MILLER, WALTER F. (SSAI)

CERES Software Configuration Change Request Submittal

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Subsystem: CATALYST SCCR Date & TIME: 2014-03-19 16:39:03 SCCR No.: 1004

Parameter Change: () YES (X) NO

Description of Change (Science):

N/A

Reason for Change (Science):

N/A

Description of Change (non-Science):

Incremental patch set for CATALYST Logging Database to reflect more recent Clouds and Inversion Edition4 production processing.

Associated with JIRA ticket:

[CER-141] Incremental Logging Database Patch for CATALYST Build 1 Go-Live.

Reason for Change (non-Science):

This patch set to the CATALYST Logging Database will extend the contents of the database that was installed with SCCR 996 to reflect the most recent non-CATALYST-produced Clouds and Inversion Edition4 data that was generated in the ASDC production environment.

Parameter(s) and Product(s) Being Changed (Use Name(s) from Data Products Catalog) and Description of Parameter Change:

N/A

Reason for Parameter Change:

N/A

Affected PGEs in this Subsystem:

N/A

Estimated Time to Complete Change: ~2 Days

Planned Delivery Date: Halt of Manual Production + 2 Days

List Affected Subsystems and PGE Names: N/A

Originator: HILLYER, THOMAS N. (SSAI)

CERES Software Configuration Change Request Submittal

Subsystem: Perl_Lib

SCCR Date & TIME: 2014-03-31 16:59:06

SCCR No.: 1005

Parameter Change: () YES (X) NO

Description of Change (Science):

N/A

Reason for Change (Science):

N/A

Description of Change (non-Science):

Extend AMI Job Submission Script blade checks to verify the following individual file systems are mounted and accessible via symlinks in /ASDC_archive:

ASDC_archive1 -> /ASDC_archive1

ASDC_archive2 -> /ASDC_archive2

ASDC_archive3 -> /ASDC_archive3

If any one of these mounts are not available, the AJSS job should immediately terminate with exit code 100 (BLD_ERROR).

Reason for Change (non-Science):

Dismounted /ASDC_archive[1..3] file systems can be difficult to identify for debugging errors in a PGE's execution. This problem can also cause difficulty in identifying issues with data quality due to inaccessible optional input files which would otherwise be accessible if the file system was properly mounted on the execution host.

Parameter(s) and Product(s) Being Changed (Use Name(s) from Data Products Catalog) and Description of Parameter Change:

N/A

Reason for Parameter Change:

N/A

Affected PGEs in this Subsystem:

N/A

Estimated Time to Complete Change: ~1 Days

Planned Delivery Date: 4/1/2014

List Affected Subsystems and PGE Names: N/A

Originator: HILLYER, THOMAS N. (SSAI)

Table 4. April 2, 2014 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
Toolkit Issues	Hillyer (Wilkins)	<ul style="list-style-type: none"> Nothing to report. (Hillyer - Thomas.N.Hillyer@nasa.gov) 	
CERES-lib	Hillyer (Wilkins)	<ul style="list-style-type: none"> Nothing to report. (Hillyer) 	
Perl_Lib	Hillyer (Wilkins)	<ul style="list-style-type: none"> Nothing to report. (Hillyer) 	
CERES Proc. System	Hillyer (Wilkins)	<ul style="list-style-type: none"> SCCR 937 – Delivered updated known-issues documentation required for CATALYST Go-Live. (Joshua.C.Wilkins@nasa.gov) SCCR 996 – Worked with CM for testing. (Hillyer, Wilkins) SCCR 997 – Worked with CM for testing. (Hillyer, Wilkins) SCCR 1004 - Incremental patch set for CATALYST Logging Database to reflect more recent Clouds and Inversion Edition4 production processing. (Hillyer, Wilkins) Working on server code bug fixes to be delivered in version 1.0.5. (Hillyer) Working on user interface updates and stability improvements for Operator’s Console. (Wilkins) 	
1.0	Cooper (Grepitotis)	<ul style="list-style-type: none"> SCCR 979 – SIT completed Test Plan testing. PRs for ValRx’s have been written. The SCCR cannot be promoted until existing PRs for Edition3 thru October 2013 have been completed. (Cooper-Denise.L.Cooper@nasa.gov) Edition3 gain updates for November and December 2013 have been delivered and promoted to production. (Snyder - K.Dianne.Snyder@nasa.gov) Worked to check out differences between newly created BDSs, using the updated PGE CER1.1P8 software and scripts, with existing BDS files created in production. The differences were tracked down to a test count conversion file. Once that file was removed and the actual count conversion data file was used, the differences were eliminated. (Cooper, Grepitotis- Arthur.T.Grepitotis@nasa.gov) Completed the required Excel spreadsheet for CERES Science Level-0 data and used the Macros 	

Table 4. April 2, 2014 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
1.0 (Cont'd)	Cooper (Grepitotis)	provided by JPSS to create XML files. Working to complete the Excel files for Calibration, Diagnostic, and Fixed Pattern data. (Grepitotis)	
2.0	Walikainen (Lande)	<ul style="list-style-type: none"> • Delivered revised Edition4 SRFs for Aqua (Jun'02-Dec'09) and Terra (Feb'00-Dec'09). (Walikainen - Dale.R.Walikainen@nasa.gov) • Delivered latest Edition3 SRFs for Aqua and Terra (Nov-Dec '13). (Walikainen) • Started examining Norman's Edition4 code: he uses it to apply his degradation model to the SRFs, and is asking the IWG to determine them beyond Dec'09. (Walikainen) • Provided IWG with off-line Terra and Aqua Edition3 ES8s for upcoming Science Team meeting report on instrument inter-comparisons. (Walikainen) • Wrote initial Nov/Dec '13 Edition3 PRs (1.4P3/1.2P1/2.4P1) and Ed3/4 979 ValR PRs (1.4P3). Checked 1.4P3 status in SSIT (i.e., Vertley) and production, verified SCCR 979 promotion sequence vs. new gains delivery/promotion, and proposed new CC#s and PSs (approved/added by Lisa). Researched the previous sets of ValRs (956) and inquired (Denise) about the new set of ValRs. Also, checked delivery schedule of other gain types (Ed1, Ed4) for this PGE. Checked/fixed PRs until all 'Review Complete'. Notified Shawn Clark of unfinished last set of Ed3 production (stuck on 9/1/2013 for > 2 weeks): verified completion of Sept run and upcoming Oct run. (Lande - Jeremie.lande-1@nasa.gov) • Prepared for re-delivery of Edition4 SRFs: verified last set of ERBE-like Edition4 PRs still usable (all still 'Ready Final' in PR database, notified Angel to keep them that way) and all their SS1.0 inputs (PRES8s) restored to the DPO. Also verified initial set of Ed4 ERBE-like products are to be 'dumped'. (Lande) 	
3.0	Walikainen (Lande)	<ul style="list-style-type: none"> • Combined with above. 	

Table 4. April 2, 2014 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
4.1	Sun-Mack (Brown)	<ul style="list-style-type: none"> • SCCR 919 - Redelivered updated scripts for SCCR 960 and 919. (Smith - Rita.A.Smith@nasa.gov) • SCCR 960 - Completed and delivered SCCR 960. (Smith) • SCCR 960 - Running NPP month and Aqua month for comparisons. (Smith) • Restarting work on updates to post processing software. (Smith) • SCCR 919 - Continued tracking reason for differences between <i>AMI</i> and <i>AMI-P</i> PGE CER4.1-4.1P5 hours. (Smith) • Continue looking into comparison of Aerosol products between Calipso and MODIS. (Chen - Yan.Chen-1@nasa.gov) • SCCR 919 - Checked CloudVis data generated by <i>AMI</i> and <i>AMI-P</i> for Ed2 Aqua Delivery. (Chen) • Tested new DX tool for QC on ceres. (Chen) • Assisted Cloud Tool Web tool testing. (Chen) • Reprocessed C3M RelC1 data after pcfgen bug found. (Chen) • Continue checking the daily ingest completion of VIMD and VAOT (03001 and 03110) data on the /ASDC_archive. (Chen) • Investigated a problem with CloudVis RGB nighttime images showing up as black and discovered it was due to an issue with the wrong parameter being read in as Sun Angle. This was probably caused by a change in input file format; however, it does seem strange that it has never happened before. User was cautioned but no changes were made (Gibson - Sharon.C.Gibson@nasa.gov) • Completed a test which showed that Big DX (64-bit) is successful at displaying an entire Viirs hourly file fairly quickly if the read and display processes are separated. Began integrating this idea into a package. This functionality will be transparent to the user other than the addition of one on/off switch. (Gibson) 	

Table 4. April 2, 2014 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
4.1 (Cont'd)	Sun-Mack (Brown)	<ul style="list-style-type: none"> • Processed Aqua Edition1-CV QC global images and statistics for 201401. QC global images and statistics were also produced for Aqua Beta2-Ed4 from 200407 through 200410. Results were posted on the Web. (Brown - Ricky.R.Brown@nasa.gov) • Processed SSF data for Aqua Beta2-Ed4 from 200407 to 200408. Results were posted on the Web. (Brown) • Working on script modifications for the CERES Stats loading process to account for new CAVE product. (Heckert - Elizabeth.C.Heckert@nasa.gov) • Configuring a laptop to run a copy of the CERES Ordering Tool in order to determine if it's feasible to set up such environments for testing purposes. (Heckert) • Fixing some bugs on the CERESVis tool with Churngwei Chu. (Heckert) • Worked with all members of the Clouds group on all issues that occurred. (Sun-Mack - Szedung.Sun-mack-1@nasa.gov) • Worked with CLARREO member on sensitivity studies. (Sun-Mack) • Worked with Baike on validations. (Sun-Mack) • Tested on new VIIRS models. (Sun-Mack) 	
4.2	Sun-Mack	<ul style="list-style-type: none"> • Combined with above. 	
4.3	Sun-Mack	<ul style="list-style-type: none"> • Combined with above. 	
4.4	Miller (Antropov)	<ul style="list-style-type: none"> • SCCR 960 - Reviewed delivery testing results for SSFI comparison failure. (Miller - Walter.F.Miller@nasa.gov) • Created a script to check file size and availability in database on restored files. (Miller) • Supported efforts to have CERES data restored to the DPO. (Miller) • Investigating different ways of checking CERES data consistency and filtering out of errors. Testing different validation algorithms. (Antropov - Igor.Antropov@nasa.gov) 	

Table 4. April 2, 2014 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
4.5	Sothcott (Caldwell)	<ul style="list-style-type: none"> • SCCR 1001 - Delivered the preprocessor to CM. Testing discovered a minor issue with two of the scripts so a fix was applied and delivered as well. (Sothcott - Victor.E.Sothcott@nasa.gov) • SCCR 959 - Processed one month of data for review by Science. During processing, it was found that about 10% of the runs failed with a core dump. Currently working to debug the problem. (Sothcott) 	
4.6	Sothcott (Caldwell)	<ul style="list-style-type: none"> • Combined with above. 	
5.0	Caldwell (Sothcott)	<ul style="list-style-type: none"> • Continuing validation of Edition4 SYNI software. Processed 13 zones for 201001 for several variations in TSIB input as requested by the Science Team. (Caldwell - Thomas.E.Caldwell@nasa.gov) • Updated scripts for Edition4 CRS software to submit jobs to SGE. (Caldwell) • Processed 1 day of latest NPP-based SSFB inputs made available by Inversion. Processing times are within expected limits. (Caldwell) 	
7.2	Caldwell (Sothcott)	<ul style="list-style-type: none"> • Nothing new to report. (Caldwell) 	
12.0	Caldwell (Sothcott)	<ul style="list-style-type: none"> • Nothing new to report. (Caldwell) 	
7.1	Nguyen (Keyes)	<ul style="list-style-type: none"> • No report received. (Nguyen - Le.T.Nguyen@nasa.gov) 	
8.0	Nguyen (Keyes)	<ul style="list-style-type: none"> • Using the current version of the SYN 1-deg Data Product Catalog to make changes to the SYN 1deg code. (Keyes - Dennis.F.Keyes@nasa.gov) 	
10.0	Nguyen (Keyes)	<ul style="list-style-type: none"> • No report received. (Nguyen) 	
6.0	Raju (F. Wrenn)	<ul style="list-style-type: none"> • No new updates. (Raju - Rajalekshmy.I.Raju@nasa.gov) 	
9.0	Raju (F. Wrenn)	<ul style="list-style-type: none"> • Responded to Dave Doelling's inquiry about some regions not having valid fluxes when there are cloud properties in 01/2010 Terra Edition3 SFC. Checked corresponding SSFB footprint data and found the same scenario on footprint level. Sent both products' information to him. (Raju) 	

Table 4. April 2, 2014 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
9.0 (Cont'd)	Raju (F. Wrenn)	<ul style="list-style-type: none"> • Processed 01/2010 Edition4 Aqua SSFB/SSFA data through Edition4 software and provided SSF1degB zonal inputs to TSI process. (Raju) • As per TISA science request, cloud bottom height calculations were added in Edition4 PGE CER9.2P3. (Raju) • Updates were made to Edition4 SSF1deg-hour DPC and sent the DPC and an HDF file to Pam for review. (Raju) • Work continued on software validations and documentation for possible software delivery in May. (Raju) 	
11.0	Raju (F. Wrenn)	<ul style="list-style-type: none"> • Received approval from TISA science and moved 07/2013 – 10/2013 Edition3 GGEO products into drop box to make them available on the DPO. (Raju) • Processed 12/2013 MCIDAS data through Edition3 software and created GGEO file. Generated plots were sent to Ed Kizer to make them available on TISA Website. Plots were checked and no problems were found. (Raju) • As per TISA science request, temporary modifications were made to Edition4 PGEs CER11.1P1 and CER11.1P2 PCF scripts to process every third hour (similar to Edition3). Processed 01/2010 GEO data and provided GGEO files for LW NB to BB process validations. (Raju) • Providing requested information to TISA/SARB team regarding cloud optical depth, heights in GGEO products. (Raju) • Work continued on Edition4 GGEO documentation. (Raju) 	

Table 5. March 7, 2014 – DM Tasks

Activity	Status
Production Processing Database/Automation (Coleman)	<ul style="list-style-type: none"> • Preparing scripts to add new Inversion PGEs to PRDB, version DB 1.6.0. The same delivery will include the updates necessary to close PRs for PGEs CER9.0P3 and CER11.7P1. (Grune - Carla.O.Grune@nasa.gov) • Preparing updates to PR Tool Web component to enhance current search features. (Heckert - Elizabeth.C.Heckert@nasa.gov) • Incorporating Pam's comments into the CC Number assignment strategy doc. (Coleman – Lisa.H.Coleman@nasa.gov)
CERES Websites (Kizer)	<ul style="list-style-type: none"> • Working on all STRAW Website registrations and 508 compliance issues. (Kizer - Edward.A.Kizer@nasa.gov) • The CERES and CERES Ordering Tool Websites were scanned for 508 compliance. All issues were addressed and the site was approved for re-registration. (Kizer) • The ERBE Website was scanned for 508 compliance. The issues are being addressed. (Kizer) • The ERBElite Website was scanned for 508 compliance. All issues were addressed and the site was approved for re-registration. (Kizer) • Additional sites are also in the queue for 508 scans. These sites include CWG, TISA, and GEO (http://sbageotask.larc.nasa.gov). (Kizer) • Inversion Website (earth-www/Inversion) page formats with grey backgrounds and a more professional look was promoted to the production version. (Kizer)
CERES Ordering Tool (Chu/Mitrescu)	<ul style="list-style-type: none"> • Helped Elizabeth Heckert to set up CERES OT on a laptop environment. It is able to browse EBAF data. (Chu - Chungwei.Chu-1@nasa.gov) • Build 3 of CERESVis was deployed stest environment, http://ceres-stest.larc.nasa.gov/CERESVis/. We are in the process of fixing bugs and preparing build 4. The features for build 3 are: (Chu) <ul style="list-style-type: none"> ○ An hour glass is added on the scan view pages to show users that the pages are ready for reviewing. ○ An instruction page is added to show data providers how to configure the system. http://ceres-stest.larc.nasa.gov/CERESVis/jsp/instruction.jsp ○ OpenLayers is upgraded to 2.0. ○ Fixed the problem with bounding box on GE. ○ Users may use checkboxes to select parameters. (clipboard)

Table 5. March 7, 2014 – DM Tasks

Activity	Status
CERES Ordering Tool (Chu/ Mitrescu) (Cont'd)	<ul style="list-style-type: none"> ○ The color of the continent contour is changed to grey. ○ The flying direction of the satellite is added on GE. ○ The issues with resizing open layers are fixed. ○ Various issues with resizing browsers are fixed. ● Continue work on CAVE and related script jobs. Test functionality. Modify ord-tool to accommodate changes required for CAVE. Start creating a release plan. (Mitrescu - Cristian.Mitrescu@nasa.gov) ● Generate SYN1deg Lite Ed2.8 and Ed2.7 data for the internal OVT. (Mitrescu) ● Generate EBAF-TOA (and DIFF and ANOM) Ed2.8 data for the internal OVT. (Mitrescu) ● Generate EBAF-TOA Ed2.8 in ESG format. (Mitrescu) ● Generate SSF1deg Lite Ed2.8 and Ed2.7 data for the internal OVT. (Mitrescu) ● Generate SSF1deg Lite Ed4_103603 and Ed4_103600 (and Differences) for the internal OVT. (Mitrescu)

Table 1: PGE Current Events Status Table

		Status of PGEs on Each Platform and TK Version used for Compilation ^{1,2}						Status of Misc. Item(s)		
Subsystem ID	PGE ID	P4	P4 TK Ver	P6	P6 TK Ver	X86	X86 TK Ver	"New" Wrapper Scripts for AMI Status (Y / N / Devel / SSI&T / n/a) ⁷	CATALYST Integration Status (Y / N / Devel / SSI&T / n/a)	Comments
Instrument - 1	CER1.0P1	N	N/A	N	N/A	N	N/A	n/a	n/a	Will comply with all the latest whenever delivered
	CER1.0P2	N	N/A	Y	16	Y	16	Y	N	C++ RDR Pre-Processor
	CER1.1P8	N	N/A	Y	18	Y	18	Y	N	C++ NPP, Terra, Aqua
	CER1.2P1	N	N/A	Y	16	Y	16	Y	N	C code, NPP capable.
	CER1.3P3	N	N/A	N	N/A	Y	16	Y	n/a	Replace with CER1.4P3 on P6
	CER1.4P1	N	N/A	Y	16	Y	16	Y	N	
	CER1.4P2	N	N/A	Y	16	Y	16	Y	N	
ERBE-like - 2	CER1.4P3	N	N/A	N	N/A	Y/S	18	Y	N	
	CER2.1P1	Y	16	Y	16	Y	16	Y	N	
	CER2.2P1	Y	15	Y	Y	Y	16	Y	N	Compile HDF with TK 15, run with TK 16
	CER2.3P1	Y	16	Y	16	Y	16	Y	N	
	CER2.3P2	Y	16	Y	16	Y	16	Y	N	
ERBE-like - 3	CER2.4P1	Y	16	Y	16	N	N/A	Y	N	
	CER3.1P1	Y	16	Y	16	Y	16	Y	N	
Clouds 4.1-4	CER3.2P1	Y	16	Y	16	Y	16	Y	N	
	CER4.1-4.0P2	Y	15	Y	18	N	N/A	Y	N	
	CER4.1-4.0P3	N	N/A	Y	18	N	N/A	Y	N	
	CER4.1-4.1P4	Y	16	SSIT	18	N	N/A	SSIT	N	Ed2, Edition1-CV
	CER4.1-4.1P5	Y	16	SSIT	18	N	N/A	SSIT	N	Ed2, Edition1-CV
	CER4.1-4.1P6	N	N/A	Y	18	N	N/A	Y	Devel	Ed4 (P6), Migration to X86 not in near future
	CER4.1-4.1P7	N	N/A	SSIT	18	N	N/A	N	N	NPP-VIIRS
	CER4.1-4.2P2	Y	15	SSIT	18	N	N/A	SSIT	N	Ed2, Edition1-CV
	CER4.1-4.2P3	Y	15	SSIT	18	N	N/A	SSIT	N	Ed2, Edition1-CV
	CER4.1-4.2P4	N	N/A	Y	18	N	N/A	Y	Devel	Ed4 (P6), Migration to X86 not in near future
	CER4.1-4.2P5	N	N/A	Y	18	N	N/A	Y	Devel	Ed4 (P6), Migration to X86 not in near future
	CER4.1-4.2P6	N	N/A	SSIT	18	N	N/A	N	N	NPP-VIIRS
	CER4.1-4.2P7	N	N/A	SSIT	18	N	N/A	N	N	NPP-VIIRS
	CER4.1-4.3P2	Y	15	SSIT	18	N	N/A	SSIT	N	Ed2, Edition1-CV
	CER4.1-4.3P3	N	N/A	Y	18	N	N/A	Y	Devel	Ed4 (P6), Migration to X86 not in near future
CER4.1-4.3P4	N	N/A	SSIT	18	N	N/A	N	N	NPP-VIIRS	

Table 1: PGE Current Events Status Table

		Status of PGEs on Each Platform and TK Version used for Compilation ^{1,2}						Status of Misc. Item(s)		
Subsystem ID	PGE ID	P4	P4 TK Ver	P6	P6 TK Ver	X86	X86 TK Ver	"New" Wrapper Scripts for AMI Status (Y / N / Devel / SSI&T / n/a) ⁷	CATALYST Integration Status (Y / N / Devel / SSI&T / n/a)	Comments
Inversion/SOF A 4.5-6	CER4.5-6.0P6	N	N/A	SSIT	18	SSIT	18	N	N	Ed4 Pre-Processor
	CER4.5-6.1P2	Y	16	ValRx	18	ValRx	18	ValRx	N	Ed2 Terra Main
	CER4.5-6.1P3	Y	16	ValRx	18	ValRx	18	ValRx	N	Ed2 Aqua Main
	CER4.5-6.1P4	N	N/A	Y	16	N	N/A	Y	Devel	Terra Main Ed4 version of 1P2
	CER4.5-6.1P5	N	N/A	Y	16	N	N/A	Y	Devel	Aqua Main Ed4 version of 1P3
	CER4.5-6.1P6	N	16	SSIT	SSIT	Devel	18	N	N	Edition4
	CER4.5-6.1P7	N	N/A	Devel	18	Devel	18	N	N	NPP-VIIRS
	CER4.5-6.2P2	Y	16	ValRx	18	ValRx	18	ValRx	N	Ed2/Ed3 subsetter
	CER4.5-6.2P3	N	N/A	Y	16	N	N/A	Y	Devel	Subset postproc for Terra and Aqua (Ed4 version of 2P2)
	CER4.5-6.2P4	Y	16	Y	18	Y	18	Y	N	Ed3 daily post-processor
	CER4.5-6.4P1	Y	16	ValRx	18	ValRx	18	ValRx	N	Edition2 to <i>magneto</i>
	CER4.5-6.4P2	N	N/A	Y	16	N	N/A	Y	Devel	Monthly validation site (Ed4 for 4P1)
	CER4.5-6.5P4	Y	16	Y	18	Devel	18	Y	N	IES-SSF Terra New PGE, Ed2 format
	CER4.5-6.5P5	Y	16	Y	18	Devel	18	Y	N	IES-SSF Aqua New PGE, Ed2 format
SARB - 5	CER5.0P1	Y	15	N	N/A	N	N/A	n/a	n/a	Ed2 only
	CER5.0P2	Y	15	Y	18	Y	18	Y	N	Ed2/Ed3
	CER5.1P1	Y	16	N	N/A	N	N/A	n/a	n/a	Ed2 only
	CER5.1P2	ValRx	16	Devel	18	Devel	18	N	n/a	AMI versions will be used for NPP-VIIRS processing
	CER5.1P3	N	N/A	Devel	18	Devel	18	N	N	New PGE - Edition4 Main for Terra and Aqua
	CER5.4P1	Y	15	N	N/A	N	N/A	n/a	n/a	Ed2 only
TISA Grid - 6	CER5.4P2	Y	16	N	N/A	N	N/A	n/a	n/a	Ed2 only
	CER6.1P1	Y	15	N	N/A	N	N/A	n/a	n/a	Ed2 only
	CER6.2P1	Y	15	N	N/A	N	N/A	n/a	n/a	Ed2 only
	CER6.3P1	Y	15	N	N/A	N	N	n/a	n/a	Ed2 only
TISA Avg - 7.1	CER7.3.1P1	Y	16	Y	16	N	N/A	Y	N	New PGE for Edition3
SARB - 7.2	CER7.2.1P1	Y	16	N	N/A	Y	16	Y	N	P4 only Ed2 for now, X86 for Ed2 and Ed3

Table 1: PGE Current Events Status Table

		Status of PGEs on Each Platform and TK Version used for Compilation ^{1,2}						Status of Misc. Item(s)		
Subsystem ID	PGE ID	P4	P4 TK Ver	P6	P6 TK Ver	X86	X86 TK Ver	"New" Wrapper Scripts for AMI Status (Y / N / Devel / SSI&T / n/a) ⁷	CATALYST Integration Status (Y / N / Devel / SSI&T / n/a)	Comments
TISA Avg - 8	CER8.1P1	Y	15	Y	16	N	N/A	Y	N	Migrate to AMI for Ed3
TISA Grid - 9	CER9.0P1	Y	15	Y	18	Y	18	Y	N	Ed2 only
	CER9.0P2	N	N/A	Y	16	Y	18	Y	N	ISCCP-D2like-MRG Pre-processor
	CER9.0P3	N	N/A	Y	16	Y	18	Y	N	ISCCP-D2like-MRG Main-processor
	CER9.0P4	N	N/A	Devel	18	N	N/A	Devel	N	
	CER9.0P5	N	N/A	Devel	18	N	N/A	Devel	N	
	CER9.1P1	Y	15	Y	18	N	N/A	Y	N	
	CER9.2P2	Y	16	Y	18	N	N/A	Y	N	PGE for Edition3
	CER9.2P3	N	N/A	Devel	18	N	N/A	N	N	New PGE for Edition4
	CER9.3P2	Y	16	Y	18	N	N/A	Y	N	PGE for Edition3
	CER9.3P3	N	N/A	Devel	18	N	N/A	N	N	New PGE for Edition4
TISA Avg - 10	CER9.4P2	Y	16	Y	18	N	N/A	Y	N	PGE for Edition3
	CER9.4P3	N	N/A	Devel	18	N	N/A	N	N	New PGE for Edition4
TISA Avg - 10	CER10.0P3	Y	16	Y	16	N	N/A	Y	N	PGE for Edition3
	CER10.0P4	N	N/A	Y	18	Y	18	Y	N	Edition3A, Non-GEO
GGEO - 11	CER11.1P10	Y	16	N	N/A	N	N/A	n/a	n/a	
	CER11.2P2	Y	16	N	N/A	N	N/A	n/a	n/a	
	CER11.4P1	Y	16	N	N/A	N	N/A	n/a	n/a	
	CER11.6P1	Y	16	N	N/A	N	N/A	n/a	n/a	
	CER11.7P1	Y	16	Y	18	Y	18	Y	N	
Regrid MOA - 12	CER12.1P1	Y	16	Y	16	Y	16	Y	N	Edition 2/3
	CER12.1P2	N	N/A	Y	16	Y	16	Y	N	Edition 4

Table 1 Key:		
¹ Status	Y	Currently able to run in production
	N	Not able to run in production
	Y/D	Current version in production operational, New version in development
	Y/S	Current version in production operational, New version in SSI&T
	Y/V	Current version in production operational, New version in ValRx
	Devel	PGE in development, still to be delivered for the first time to the platform.
	SSI&T	PGE delivered and in SSI&T (CM or SIT) testing prior to operational processing
	ValRx	PGE undergoing ValRx testing and approving phase
² Prod. Platform	SGL	warlock
	P4	Magneto - IBM P4
	P6	AMI - IBM P6
	X86	AMI - IBM X86
⁷ "New" Wrapper Scripts for AMI Status	Y	Scripts in production
	n/a	Not needed for this PGE
	N	Development not yet begun
	SSI&T or SSIT	Delivered and in SSI&T (CM or SIT) testing prior to operational processing
	Devel	Development in progress for inclusion in next delivery

Revisions:		
Date	Affected Section or PGE/Product ID	Revision Made
1/9/2013	11.7P1, 9.0P1	Changed P6 and New Wrapper Status from "Devel" to "SSI&T", Changed X86 status from "N" to "SSI&T"
	4.1-4.0P2	Changed P6 and New Wrapper Status from "SSI&T" to "ValRx"
	4.1-4.0P3	New PGE added to list
	1.4P3	Changed P6, X86, and New Wrapper Status from "Devel" to "SSI&T"
1/23/2013	4.1-4.0P2	Changed P6 and New Wrapper Status from "ValRx" to "Y"
	9.2P2,3,4	Changed P6 and New Wrapper Status from "ValRx" to "Y"
2/6/2013	1.4P3, 4.5-6.1P2,3, 4.5-6.2P2	Changed P6, X86 and New Wrapper Status from "SSI&T" to "ValRx"
	4.1-4.0P3	Changed P6 and New Wrapper Status from "SSI&T" to "ValRx"
2/20/2013	4.1-4.0P3	Changed P6 and New Wrapper Status from "ValRx" to "Y"
	1.4P3, 4.5-6.1P2,3, 4.5-6.2P2	Changed P6, X86, and New Wrapper Status from "ValRx" to "Y"
3/6/2013	None	No changes
3/18/2013	4.1-4.1P7, 2P6, 2P7, 3P4 4.5-6.1P6	New PGEs added to list
	9.0P1, 11.7P1	Changed P6 and New Wrapper Status from "SSI&T" to "Y"
	10.0P4	Changed New Wrapper Status from "N" to "Devel"
	1.4P3	Changed P6 and X86 status from "Y" to "Y/Devel" to indicate an updated version to replace current functioning version is in development
4/1/2013	4.-14.1P6, 2P4, 2P5, 3P3	Changed TK version from 16 to 18
	10.0P4	Changed P6, X86, and New Wrapper Status from "Devel" to "SSI&T"
4/15/2013	1.4P3	Changed P6 and X86 status from "Y/Devel" to "Y/SSIT" to indicate an updated version to replace current functioning version is in testing
	4.-14.1P6, 2P4, 2P5, 3P3	Changed P6 status to "ValRx"
	All	Removed column for SGI information
5/1/2013	No updates	
5/15/2013	4.-14.1P6, 2P4, 2P5, 3P3	Changed P6 status to "Y"
	9.0P2,3	Changed X86 status from "N" to "Y" and X86 tk version from "N/A" to "18"
5/29/2013	No updates	
6/12/2013	4.1-4.1P4,5, 2P2, 2P3, 3P2	Changed P6 and New Wrapper status from "Devel" to "SSIT"
6/24/2013	1.4P3	Removed "SSIT" from P6 and X86 status, added comment about ValRx
	4.5-6.1P2,3, 2P2, 4P1	Changed P6, X86, and New Wrapper Status from "Y" to "ValRx"
7/10/2013	No updates	

Revisions:		
Date	Affected Section or PGE/Product ID	Revision Made
7/24/2013	5.1P2	Changed P6, X86, and New Wrapper Status from "N" to "Devel", and TK Version to 18
	5.1P3	Changed TK Version from "16" to "18"
	4.5-6.1P7	New PGE added to list
	4.5-6.1P6	Changed comment to indicate this PGE is now an Ed4 PGE and not an NPP PGE
8/7/2013	10.0P4	Changed P6 and New Wrapper Status from "SSI&T" to "Y"
8/21/2013	No updates	
9/4/2013	No updates	
9/18/2013	4.5-6.5P4,5	Changed P6 and X86 status from "Y" to "Devel" to indicate an updated version to replace current version is in development
10/2/2013	1.4P3	Changed TK version from "16" to "18"
10/16/2013	No updates	
10/30/2013	No updates	
11/13/2013	No updates	
11/27/2013	9.0P4,5	Changed P6 and New Wrapper status from "Devel" to "SSIT"
12/11/2013	9.0P5	Changed P6 and New Wrapper status from "SSIT" back to "Devel"
1/8/2014	9.0P4	Changed P6 and New Wrapper status from "SSIT" back to "Devel"
1/22/2014	No updates	
2/5/2014	Table 1 Key	Added new Statuses Y/D, Y/S, and Y/V
	1.1P8, 1.2P1, 1.4P1, 1.4P2, 1.4P3	Changed P6 and X86 status from "Y" to "Y/S"
2/19/2014	4.5-6.0P6	New PGE added to list
3/5/2014	No updates	
3/19/2014	No updates	
4/2/2014	1.4P3	Changed P6 status from "Y/S" to "N"
	1.1P8, 1.2P1, 1.4P1, 1.4P2	Changed P6 and X86 statuses from "Y/S" to "Y"
	4.5-6.0P6, 4.5-6.1P6	Changed P6 and X86 statuses from "Devel" to "SSIT"
	4.1-4.1P7, 2P6, 2P7, 3P4	Changed P6 statuses from "Devel" to "SSIT"