

June 6, 2018 – System Issues and Status

Table 1: PR Status for 06/06/18
(Status as of 06/04/18)

Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	PR Status (Unless noted, Statuses apply to all PRs in row)
*** Baseline1-QC PRs – Standing						
AM 352-17 AM 357-17 SCCRs 1132, 867	Terra	Baseline1-QC	BDS, IES, PRES8, BDSI ES8	1.1P8 2.2P1	Standing Request 6/1/2017 – 12/31/2019	Active Priority 2
PM 353-17 PM 354-17 PM 358-17 SCCRs 1132, 867	Aqua (FM3, FM4)	Baseline1-QC	BDS, IES, PRES8, BDSI ES8	1.1P8 2.2P1	Standing Request 6/1/2017 – 12/31/2019	Active Priority 2
NPP 355-17 NPP 356-17 NPP 359-17 SCCRs 1124, 1132, 867	NPP	Baseline1-QC	Eph, Att BDS, IES, PRES8, BDSI ES8	1.0P3 1.1P8 2.2P1	Standing Request 6/1/2017 – 12/31/2019	Active Priority 2
J01 607-17 SCCR 1124	J01-FM6	Baseline1-QC	Eph, Att	1.0P3	11/29/2017 – 5/31/2018	Active Priority 2
J01 70-18 SCCR 1124	J01-FM6	Baseline1-QC	Eph, Att	1.0P3	6/1/2018 – 12/31/2019	Active Priority 2
J01 66-18 SCCR 1359	J01-FM6	Baseline1-QC	BDS, IES, PRES8, BDSI	1.1P9	5/1/2018 – 12/31/2019	Active, Priority 2
J01 47-18 SCCR 1326	J01-FM6	Baseline1-QC	ES8	2.2P2	3/1/2018 – 12/31/2019	Active Priority 2
*** Edition1-CV PRs – Standing						
AM 594-17 SCCR 1272	Terra	Edition1-CV	BDS, IES, PRES8, BDSI	1.1P8	Standing request 10/2/2017 – 12/31/2019	Active Priority 2
AM 50-18 SCCR 1331	Terra	Edition1-CV	GAIN	1.4P2	Standing request 3/2018 – 12/2019	Active, Priority 2
AM 611-17 AM 615-17 AM 619-17 AM 624-17 SCCR 867	Terra	Edition1-CV	ERBE-like	2.2P1 2.3P1 2.3P2 3.1P1	Standing Request 10/1/2017 – 12/31/2019 10/2017 – 11/2019	Active Priority 2

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PM 595-17 SCCR 1272	Aqua FM3	Edition1-CV	BDS, IES, PRES8, BDSI	1.1P8	Standing request 10/2/2017 – 12/31/2019	Active Priority 2
PM 51-18 SCCR 1331	FM3	Edition1-CV	GAIN	1.4P2	Standing request 3/2018 – 12/2019	Active, Priority 2
PM 612-17 PM 616-17 PM 620-17 PM 625-17 SCCR 867	Aqua FM3	Edition1-CV	ERBE-like	2.2P1 2.3P1 2.3P2 3.1P1	Standing Request 10/1/2017 – 12/31/2019 10/2017 – 11/2019	Active Priority 2
PM 596-17 SCCR 1272	Aqua FM4	Ed1-CV-NoSW	BDS, IES, PRES8, BDSI	1.1P8	Standing request 10/2/2017 – 12/31/2019	Active Priority 2
PM 52-18 SCCR 1331	FM4	Ed1-CV-NoSW	GAIN	1.4P2	Standing request 3/2018 – 12/2019	Active, Priority 2
PM 613-17 PM 617-17 PM 621-17 PM 626-17 SCCR 867	Aqua FM4	Ed1-CV-NoSW	ERBE-like	2.2P1 2.3P1 2.3P2 3.1P1	Standing Request 10/1/2017 – 12/31/2019 10/2017 – 11/2019	Active Priority 2
NPP 597-17 NPP 598-17 SCCRs 1124, 1272	NPP	Edition1-CV	Eph, Att BDS, IES, PRES8, BDSI	1.0P3 1.1P8	Standing request 10/2/2017 – 12/31/2019	Active Priority 2
NPP 53-18 SCCR 1331	FM5	Edition1-CV	GAIN	1.4P2	Standing request 3/2018 – 12/2019	Active, Priority 2
NPP 614-17 NPP 618-17 NPP 623-17 NPP 627-17 SCCR 867	NPP	Edition1-CV	ERBE-like	2.2P1 2.3P1 2.3P2 3.1P1	Standing Request 10/1/2017 – 12/31/2019 10/2017 – 11/2019	Active Priority 2
J01 68-18 SCCR 1124	J01-FM6	Edition1-CV	Eph, Att	1.0P3	1/6/2018 – 12/31/2019	Active, Priority 2
J01 64-18 SCCR 1359	J01-FM6	Edition1-CV	BDS, IES, PRES8, BDSI	1.1P9	1/6/2018 – 12/31/2019	Active, Priority 2
J01 71-18 SCCR 1331	J01-FM6	Edition1-CV	GAIN	1.4P2	1/2018 – 12/2019	Active, Priority 2

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J01 65-18 SCCR 1326	J01-FM6	Edition1-CV	ES8	2.2P2	1/6/2018 – 12/31/2019	Active, Priority 2
J01 129-18 J01 130-18 J01 131-18 SCCR 1356	J01-FM6	Edition1-CV	ERBE-like	2.3P1 2.3P2 3.1P1	2/1/18 – 12/1/19 1/31/18 – 10/31/19 1/2018 – 11/2019	Active Priority 2
*** Snow and Ice Products PRs – Standing						
M 392-17 SCCR 1262	CERES	NSIDC	SNOW	2.1P1	Standing Request 5/2017 – 12/2019	Active Priority 2
M 55-18 SCCR 1309	CERES	NSIDC-CLASS	EICE ESNOW	4.1-4.0P2	Standing Request 4/1/18 – 12/31/19	Active Priority 2
M 56-18 SCCR 1309	CERES	NSIDC-AFWA-Mesh16th	ESNOW EICE	4.1-4.0P3	Standing Request 4/1/18 – 12/31/19	Active Priority 2
*** MOA/PMOA Products PRs – Standing						
M 113-17 SCCR 749	CERES	GMAO-G541-Ed4	MOA	12.1P2	Standing request 1/2/17 thru 2/1/19	Active Priority 2
M 114-17 SCCR 1018	CERES	GMAO-G541-Ed4	PMOA	9.1P2	Standing Request 1/1/17 – 1/31/19	Active Priority 2
The PRs that follow are the Non-Standing PRs that can be processed						
*** Edition 4 Instrument & ERBELike PRs						
*** Edition 1 NPP Instrument and ERBE-like PRs						
**** Beta2-Ed4 SSFi --> SSF, Edition4 SSF						
358-16 SCCR 1075	Aqua-MODIS	Edition4A	SSF1deg-month	10.0P5	10/2004	Review Complete Priority 2

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31-18 33-18 36-18 39-18 SCCRs 1220, 1252, 1218, 1219	Terra-MODIS	Edition1-CV	SSF	4.5-6.0P6 4.5-6.1P6 4.5-6.2P3 4.5-6.4P2	12/2017 – 4/2018 12/1/2017 – 4/1/2018 12/2017 – 3/2018	Active Priority 2
32-18 34-18 37-18 40-18 SCCRs 1220, 1252, 1218, 1219	Aqua-FM3 MODIS	Edition1-CV	SSF	4.5-6.0P6 4.5-6.1P6 4.5-6.2P3 4.5-6.4P2	12/2017 – 4/2018 12/1/2017 – 4/1/2018 12/2017 – 3/2018	Active Priority 2
35-18 38-18 41-18 SCCRs 1252, 1218, 1219	Aqua-FM4 MODIS	Ed1-CV-NoSW	SSF	4.5-6.1P6 4.5-6.2P3 4.5-6.4P2	12/1/2017 – 4/1/2018 12/2017 – 3/2018	Active Priority 2
*** Edition 4A PMOA, TSI --> SYNI --> SYN1deg						
*** Edition 1 NPP Clouds, Inversion, and TISA PRs						
116-18 to 119-18 SCCRs 1163, 1047	FM5	Edition1A	SSFi	4.1-4.1P7 4.1-4.2P7 4.1-4.2P6 4.1-4.3P4	1/1/18 – 4/30/18 1/2018 – 4/2018	Active, Priority 2
120-18 - 123-18, SCCRs 1220, 1347, 1218, 1219	FM5	Edition1A	SSF	4.5-6.0P6 4.5-6.1P7 4.5-6.2P3 4.5-6.4P2	1/2018 – 4/2018 1/1/18 – 4/30/18 1/1/18 – 4/30/18 1/2018 – 4/2018	Active, Priority 2
124-18 SCCR 1340	NPP-VIIRS	Edition1A	SAH	5.0P3	1/2018 – 4/2018	Active, Priority 2
125-18 126-18 127-18 SCCR 1336	NPP-VIIRS	Edition1A	SSF-1deg	9.2P3 9.3P3 9.4P3	1/1/18 – 4/30/18 12/2017 – 3/2018 12/2017 – 3/2018	Active, Priority 2

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128-18 SCCR 1177	NPP- VIIRS	Edition1A	SSF1deg-month	10.0P5	12/2017 – 3/2018	Active Priority 2
*** ISCCP-D2like Stream (all the ISCCP-D2like products)						
**** ValRx PRs for newly delivered PGEs						
1002-14 SCCR 1028	FM1, FM2	ValR1028	SAH	5.0P3	7/2004	ValRx Review Priority 2
1003-14 SCCR 1028	FM3, FM4	ValR1028	SAH	5.0P3	7/2004	ValRx Review Priority 2
1004-14 SCCR 1041	FM1 FM2	ValR1041-P6	IES, BDS	1.1P8	6/30/14 – 7/1/14	ValRx Review Priority 2
1005-14 SCCR 1041	FM3	ValR1041-P6	IES, BDS	1.1P8	6/30/14 – 7/1/14	ValRx Review Priority 2
1006-14 SCCR 1041	FM4	ValR1041-P6	IES, BDS	1.1P8	6/30/14 – 7/1/14	ValRx Review Priority 2
1007-14 SCCR 1041	FM5	ValR1041-P6	IES, BDS	1.1P8	6/30/14 – 7/1/14	ValRx Review Priority 2
1008-14 SCCR 1041	FM1 FM2	ValR1041-X86	IES, BDS	1.1P8	6/30/14 – 7/1/14	ValRx Review Priority 2
1009-14 SCCR 1041	FM3	ValR1041-X86	IES, BDS	1.1P8	6/30/14 – 7/1/14	ValRx Review Priority 2
1010-14 SCCR 1041	FM4	ValR1041-X86	IES, BDS	1.1P8	6/30/14 – 7/1/14	ValRx Review Priority 2
1011-14 SCCR 1041	FM5	ValR1041-X86	IES, BDS	1.1P8	6/30/14 – 7/1/14	ValRx Review Priority 2
1150-15 1152-15 1154-15 1156-15 SCCR 919	Terra	ValR1-P6	SSFi	4.1-4.1P4 4.1-4.2P2 4.1-4.2P3 4.1-4.3P2	4/13	On Hold - Preproduction - ValRx Review Priority Level 2
1151-15 1153-15 1155-15 1157-15 SCCR 919	Aqua	ValR1-P6	SSFi	4.1-4.1P5 4.1-4.2P2 4.1-4.2P3 4.1-4.3P2	4/13	On Hold - Preproduction - ValRx Review Priority Level 2

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290-13 thru 292-13 SCCR 913	Terra	ValR1-P6	SSF	4.5-6.1P2 4.5-6.2P2 4.5-6.4P1	4/13	On Hold - Preprod - ValRx Review Priority Level 2
293-13 thru 295-13 SCCR 913	Aqua	ValR1-P6	SSF	4.5-6.1P3 4.5-6.2P2 4.5-6.4P1	4/13	On Hold - Preprod - ValRx Review Priority Level 2
296-13 297-13 298-13 SCCR 913	Terra	ValR1-X86	SSF	4.5-6.1P2 4.5-6.2P2 4.5-6.4P1	4/13	On Hold - Preprod - ValRx Review Priority Level 2
299-13 thru 301-13 SCCR 913	Aqua	ValR1-X86	SSF	4.5-6.1P3 4.5-6.2P2 4.5-6.4P1	4/13	On Hold - Preprod - ValRx Review Priority Level 2
1803-15 SCCR 1025	Terra+ Aqua	ValR1-X86	SYN1deg	8.1P2	10/2009	Review Complete Priority 2
5-16 SCCR 1097	Terra+ Aqua	ValR1-X86	SYN1deg	8.1P2	7/2008	Review Complete Priority 2
79-16 80-16 81-16 82-16 83-16 84-16 85-16 SCCR 1110	NPP Terra FM3 FM4 Terra FM3 FM4	ValR-Ed1 ValR-Ed3 ValR-Ed4	BDS, IES	1.4P3	6/1/15 – 6/2/15	On Hold – Pre Production - ValRx Review Priority 2
648/649/650- 17 SCCR 1237	GEO- MODIS	ValR-Fall	CldTypHist	9.0P6 9.0P7 9.0P8	10/2001	Ready Final, Priority 2 Review Complete (3 rd)
651/652/653- 17 SCCR 1237	GEO- MODIS	ValR-Winter	CldTypHist	9.0P6 9.0P7 9.0P8	12/2008	Ready Final, Priority 2 Review Complete (3 rd)
**** The PRs are for PGEs that have not completed pre-op testing and been promoted to the production environment						
**** The PRs that follow are for PGEs that are pending delivery or other future event.						

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**** The PRs that follow have completed processing						
744-14 SCCR 1016	Terra	ValR1016	SSF1deg-month	10.0P4	12/2013	Review Complete Should be Complete
745-14 SCCR 1016	Aqua	ValR1016	SSF1deg-month	10.0P4	12/2013	Review Complete Should be Complete
746-14 747-14 SCCR 1016	Terra+ Aqua	ValR1016	TSI	10.0P3 7.3.1P1	12/2013	Complete Review Complete Should be Complete
750-14 SCCR 801	Terra+ Aqua	ValR1016	SYN1deg	8.1P1	12/2013	Review Complete Should be Complete
987-14 SCCR 947	Terra	ValR1040-Ed4	SSFi	4.1-4.1P6	7/1/2007	Pending SS Review Should be complete
988-14 SCCR 947	Aqua	ValR1040-Ed4	SSFi	4.1-4.1P6	7/1/2007	Pending SS Review Should be complete
1568-15 SCCR 1025	Terra+ Aqua	ValR1-X86	SYN1deg	8.1P2	10/2002	Review Complete Priority 2, ran 7/13/15
1396-15 SCCR 1047	FM5	Edition1A	SSFi	4.1-4.1P7	1/1/13 – 3/31/14	P6 PR Rejected by SS, replaced w/ 1448-15
23-18, 25-18, 27-18, 29-18 SCCR 1205	FM1, FM2	Beta2-Ed4	SSFi	4.1-4.1P6 4.1-4.2P5 4.1-4.2P4 4.1-4.3P3	12/1/17 – 4/1/18 12/1/17 – 4/1/18 12/1/17 – 4/1/18 12/2017 – 3/2018	Complete
24-18, 26-18, 28-18, 30-18 SCCR 1205	FM3, FM4	Beta2-Ed4	SSFi	4.1-4.1P6 4.1-4.2P5 4.1-4.2P4 4.1-4.3P3	12/1/17 – 4/1/18 12/1/17 – 4/1/18 12/1/17 – 4/1/18 12/2017 – 3/2018	Complete
111-18 SCCR 1202	FM5	Edition1	BDS, IES PRES8	1.4P3	1/1/18 – 4/30/18	Complete
112-18 SCCR 1337	FM5	Edition1	ES8	2.2P1	1/1/18 – 4/30/18	Complete

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113-18 SCCR 1337	FM5	Edition1	CXDR	2.3P1	1/1/18 – 4/1/18	Complete
114-18 SCCR 1337	FM5	Edition1	CXDR	2.3P2	12/31/17 – 3/31/18	Complete
115-18 SCCR 1337	FM5	Edition1	ES4, ES9	3.1P1	12/2017 – 3/2018	Complete
J01 63-18 SCCR 1326	J01-FM6	CoversClosed	ES8	2.2P2	11/29/2017 – 1/5/2018	Complete

Table 2. June 6, 2018 – System Issues and Status

Activity	Lead	Status
SEC	Miller	• No new updates. (Miller - Walter.F.Miller@nasa.gov)
CM/Documentation	Ayers (Saunders)	• 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) • Provided a PDF version of the BDS J01 Edition1-CV Data Quality Summary to the appropriate recipients. (Saunders - Joanne.H.Saunders@nasa.gov) • SCCR 1372 – Installed the NPP-FM5 Edition1 gains in SSI&T and PPE and released the delivery for promotion to production. (Keyes - Dennis.F.Keyes@nasa.gov) • SCCR 1356 – Installed and tested the corrections to this ERBE-like delta delivery for PGEs CER2.3P1, 2.3P2, and 3.1P1 in SSI&T and PPE, and released the delivery for promotion to production. (Ayers, Keyes) • SCCR 1375 – Followed the provided instructions to update the CATALYST configuration file. Tested the update in PPE before releasing the delivery for promotion to production. (Ayers, Keyes) • SCCR 1357 – Facilitated the promotion to production of version 3.7.0 of the PR database. (Keyes) • SCCR 1356 – Finalized the ERBE-like Test Plan and posted it on the Web. (Saunders) • SCCR 1371 – Completed testing this Inversion delta delivery in PPE. This SCCR will be released in conjunction with Clouds SCCR 1368. (Ayers, Keyes, Hillyer - Thomas.N.Hillyer@nasa.gov) • SCCR 1353 – Completed testing this CATALYST PGE handler update in PPE. This SCCR will be released in conjunction with Clouds SCCR 1368. (Ayers, Keyes, Hillyer) • Completed testing the new RedHat 7.4 x86 blades on AMI-P. Awaiting feedback from a few remaining subsystems. (Hillyer, Ayers, Keyes)

Table 3. SCCR Activity May 22 at 11:30 a.m. – June 4 at 7:00 p.m.
(SCCRs to be reviewed are in bold. Total to be reviewed: 6)

SCCR	S	U	A	C	D	SS	Delivery Type	Page No.	Comments
1302		X				TISA Gridding	Delta		New delivery date
1307		X				PR Tool Database	Automation		New delivery date
1319		X				CATALYST PGE Module(s)	Automation		New delivery date
1324		X				TISA Gridding	Coefficient		New delivery date
1330		X				ERBE-like	PGE		New delivery date
1346		X				PR Tool Database	Automation	11	
1352		X				CATALYST PGE Module(s)	Automation		New delivery date
1356				X		ERBE-like	Delta		
1357				X		PR Tool Database	Automation		
1366				X		GGEO	Archive Only		
1368		X				Clouds	PGE		New delivery date
1372				X		Instrument	Coefficient		
1373				X		Synoptic SARB	Dropbox		
1374	X	X		X		GGEO	Archive Only		Approved by default
1375	X		X	X		CATALYST Configuration File	Automation		Approved by Katie Moore via email
1376	X					Instrument	PGE	12	
1377	X					Instrument	Delta	14	
1378	X					CATALYST PGE Module(s)	Automation	15	
1379	X					PR Tool Database	Automation	16	
1380	X					PR Tool Database	Automation	17	

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

CERES Software Configuration Change Request Submittal

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SCCR No.: 1346 **Delivery Type:** Automation **Subsystem:** PR Tool Database

SCCR Date & Time: 2018-06-04 18:21:01

Delivery Summary:

PRDB update to set Processing Platform to X86 only for 2.4P1; update the toolkit to 18

Description & Reason for Change (non-Science):

1) For PGE 2.4P1 set the Processing Platform to X86 only.

Update the toolkit to 18.

Deactivate 'AMI-X86 Toolkit 16' from and map 'AMI-X86 Toolkit 16' to 2.4P1 (CER-414)

Estimated Time to Complete Change:

1 day

Planned Delivery Date:

2018-06-06

Delivery Comment:

This SCCR is associated to SCCR 1330.

Created By:

Carla Grune

Created On:

2018-03-09 11:20:41

Editor:

Carla Grune

Revision Comment:

PRs for 2.4P1 with SCCR = 1330 in Production are to display Toolkit 18 vs 16.

An additional PRDB update deactivates 'AMI-X86 Toolkit 16' from and maps 'AMI-X86 Toolkit 16' to 2.4P1

CERES Software Configuration Change Request Submittal

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SCCR No.: 1376 **Delivery Type:** PGE **Subsystem:** Instrument

SCCR Date & Time: 2018-05-31 15:38:23

Delivery Summary:

New PGE CER1.1P10, which will replace CER1.1P8/9 and allow processing for all CERES instruments FM1 thru FM6.

PGE(s) Being Delivered:

1.1P10 (AMI-x86)

Description & Reason for Change (Science):

1) N/A (N/A)

Description & Reason for Change (non-Science):

- 1) Combining PGEs CER1.1P8 and CER1.1P9, so only one piece of software will need to be maintained. (1-107)
- 2) Update the Instrument library metadata class so that the created BDSIs and PRES8s can be shown in the BQCRP report when they are created. These files currently do not show up in the BQCRP, even when they are created by PGEs CER1.1P8 and CER1.1P9. All other output data products are listed in the current BQCRP report. (1-108)

Parameter Change:

N

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 Downstream PGE(s):

1.4P2
2.2P1
2.2P2
2.3P1
2.3P2
4.1-4.1P4
4.1-4.1P5
4.1-4.1P6

Estimated Time to Complete Change:

3 months

Planned Delivery Date:

2018-08-31

Delivery Comment:

All listed downstream PGEs should see no differences in the existing data products from CER1.1P10. The only difference should be a CC-code in the file name. The data products themselves will match those they currently receive from CER1.1P8/9.

Created By:

Denise Cooper

Created On:

2018-05-31 15:38:23

CERES Software Configuration Change Request Submittal

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SCCR No.: 1377 **Delivery Type:** Delta **Subsystem:** Instrument

SCCR Date & Time: 2018-06-04 13:18:44

Delivery Summary:

Update the scripts for CER1.4P3 to turn off the creation of the PRES8s.

Contents to be Delivered:

Scripts

PGE(s) Affected By Script Updates:

1.4P3

Description & Reason for Change (Science):

1) N/A (N/A)

Description & Reason for Change (non-Science):

1) Update the scripts for CER1.4P3 to turn off the creation of the PRES8s.

Jonathan Gleason has asked that the PRES8s become temporary data files, instead of archived data files. This will be accomplished by moving the creation of a temporary PRES8 to the ERBE-Like subsystem, having the scripts read a BDS and create a temporary PRES8 for use in the existing software. (1-109)

Estimated Time to Complete Change:

1 week

Planned Delivery Date:

2018-08-30

Delivery Comment:

This SCCR needs to be promoted with or after the ERBE-Like updates to create the temporary PRES8 within their PGEs.

Created By:

Denise Cooper

Created On:

2018-06-04 13:18:44

CERES Software Configuration Change Request Submittal

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SCCR No.: 1378 **Delivery Type:** Automation **Subsystem:** CATALYST PGE Module(s)

SCCR Date & Time: 2018-06-04 15:33:25

Delivery Summary:

Create the CATALYST PGE handler for the upcoming new Instrument PGE: CER1.1P10.

Description & Reason for Change (non-Science):

1) New PGE handler will be needed for CER1.1P10. (xx)

Estimated Time to Complete Change:

1 week

Planned Delivery Date:

2018-08-31

Delivery Comment:

Installation instructions and test plan will be delivered with this SCCR. This will be delivered after the delivery of Instrument SCCR 1376.

Created By:

Nelson Hillyer

Created On:

2018-06-04 15:33:25

CERES Software Configuration Change Request Submittal

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SCCR No.: 1379 **Delivery Type:** Automation **Subsystem:** PR Tool Database

SCCR Date & Time: 2018-06-04 16:46:08

Delivery Summary:

PRDB update to add support for new PGE CER1.1P10

Description & Reason for Change (non-Science):

1) Generate scripts to build a new PGE PR template for new PGE CER1.1P10 (CER-420)

Estimated Time to Complete Change:

5 weeks

Planned Delivery Date:

2018-08-31

Delivery Comment:

This SCCR is associated with PGE SCCR 1376 and CATALYST PGE Handler SCCR 1378.

Created By:

Carla Grune

Created On:

2018-06-04 16:46:08

CERES Software Configuration Change Request Submittal

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SCCR No.: 1380 **Delivery Type:** Automation **Subsystem:** PR Tool Database

SCCR Date & Time: 2018-06-04 18:32:47

Delivery Summary:

Map 'CoversClosed' as output production strategy for PGEs: CER2.3P1, CER2.3P2 and CER3.1P1

Description & Reason for Change (non-Science):

1) Map CoversClosed as an output production strategy to 2.3P1, 2.3P2, 3.1P1 (CER-421)

Estimated Time to Complete Change:

2 days

Planned Delivery Date:

2018-06-07

Delivery Comment:

Created By:

Carla Grune

Created On:

2018-06-04 18:32:47

Table 4. June 6, 2018 – Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
Toolkit Issues	Hillyer (Wilkins)	Nothing to report. (Hillyer - Thomas.N.Hillyer@nasa.gov)	
CERES-lib	Hillyer (Wilkins)	- Working with the CERES team to plan and perform migration of PowerPC code on AMI to the x86 platform. (Hillyer) - Worked with the CM team to create and run test PRs on the new flex.q RHEL 7 systems on AMI-P. All test PRs have finished running and have collected feedback from most subsystems. Still waiting on results from SARB and Clouds. (Hillyer)	
Perl-Lib	Hillyer (Wilkins)	Nothing to report. (Hillyer)	
CERES Proc. System	Hillyer (Wilkins)	- SCCR 1295 – Planning to deliver this handler when the PGE is delivered by the subsystem. Worked with the TISA Gridding subsystem to re-run the failed months using updated version of the FluxByCldTyp code using CATALYST on the SCF. (Hillyer) - SCCR 1319 – Waiting for new GEO data to be placed in the DPO to be used for CM testing. (Hillyer) - SCCR 1352 – Tentatively planning to deliver this in June. Requires Clouds MODIS C6.1 code delivery. (Hillyer) - SCCR 1353 – Worked with the CM team to test the delivery in PPE. This delivery is now on hold waiting for the Clouds MODIS C6.1 deliveries. (Hillyer) - SCCR 1375 – Delivered configuration file update to set the EID6 product as an output for PGE CER2.2P2. This is needed to run FM6 through PGE CER3.1P1. This was promoted to production on 5/29. (Hillyer) - SCCR 1378 – Created SCCR for new PGE CER1.1P10 that will be delivered in late August. (Hillyer) - Correcting issue in the handler for PGE CER1.4P3 incorrectly flags tasks as CATALYST_WONT_RUN following the activation of SCCR 1335. (Hillyer) - Working on implementation of other CATALYST server and Operator's Console updates and feature requests to be delivered at a later date. (Hillyer)	

SS No.	SS Lead	Status	Problems
1.0	Cooper (Grepitotis)	• SCCR 1376 – Deliver new PGE CER1.1P10. This will include setting the default to not create a PRES8. That will mean that this PGE will need to promote along with the updates to ERBE-Like to create a temporary PRES8. Delivery set for August 31, 2018. (Cooper – Denise.L.Cooper@nasa.gov) • SCCR 1377 – Update PGE CER1.4P3 scripts to set the default to not create PRES8s. This update will go along with the updates to ERBE-Like to create a temporary PRES8. Delivery set for August 31, 2018. (Cooper) • Continue testing PGE CER1.1P10. All looks good with the testing. The PCF script is being updated to set the PRES8 creation flag to OFF, so that the PRES8 will not be created. (Timcoe – Mark.G.Timcoe@nasa.gov) • Working with Dale Walikainen to update the ERBE-Like scripts to create a temporary PRES8 using a new version of the existing PRES8 generator, which will not create metadata, and will be independent of the Instrument library. This will allow the PRES8s to become a temporary data product that will not be archived. (Grepitotis – Arthur.T.Grepitotis@nasa.gov) • Continuing development of source code to generate HDF5 output for specific data products. (Grepitotis) • Continuing to investigate an issue with the NPP Available data Web page creator, where solar cal data is not showing up on the page. (Timcoe)	
2.0	Walikainen (Lande)	• SCCR 1330 - Delivered code and documentation. Reviewed and approved ValRs and notified Tammy. (Walikainen - Dale.R.Walikainen@nasa.gov) • Continuing start up analysis for Edition2 FM5 SW SRF. (Walikainen) • Provided Tak with J01 Edition1-CV ES8 data for the related DQS. (Walikainen) • SCCRs 1330/1346 - Wrote ValRs in PPE, and sent links to Dale to review (later, had him review/approve them and notify Tammy). Later went over TK16 issue with Walt and Tammy: Okay for ValRs, and notified Carla to update via SCCR 1346 (went over after update), for prod PRs. (Lande - Jeremie.lande-1@nasa.gov) • SCCRs 1356/7/1380 - Researched and sent Dale report on PGEs CER2.3P1/CER2.3P2 comparison code and their locations/versions. Analyzed and helped him resolve differences in final CM test output (ES4 missing CXDR inputs, due to PROD=No). Tracked progress to	

SS No.	SS Lead	Status	Problems
2.0 (Cont'd)	Walikainen (Lande)	promotion, then researched/wrote the Edition1-CV PRs, went over them with Dale and Walt (i.e., CC code consistency with PGE CER2.2P2, priority over CoversClosed month), updated them accordingly, and sent reports to Walt and Dale. Researched issue of PS2 vs. PS2_0 (appears OK), then updates needed to create CoversClosed PRs, sent report to Carla (went over resulting SCCR 1380), and informed Walt. Went over updated Test Plan. (Lande) • SCCR 1372 - Had Dale and Ed approve their PRs, confirmed Sunny and Josh approved theirs, and Walt approved all. Josh's now Active, was not his issue. (Lande) • Went over SCCRs 1368/1361 and PS-94 status/issues with Sunny, Rita, and Carla, SCCR 1374 with Josh, and SCCR 1377 with Dale. (Lande) • Continued reviewing/updating the PR Status document, and sent to be included in CPOB report. Moved FM6 Ed1-CV SPRs from Baseline1-QC table to Ed1-CV table. (Lande) • Researched, created, and sent progress reports on the current prod data streams to Jonathan and Katie with explanations. (Lande)	
3.0	Walikainen (Lande)	• Combined with above.	
4.1	Sun-Mack (Brown)	• Attended meeting regarding the future of database updates for the CERES Website/CERES PR Tool. (Heckert - Elizabeth.C.Heckert@nasa.gov) • Developing a diagram of the inputs and outputs to the ceres-subset11 database for the CERES site to aid the database team. (Heckert) • Have a working copy of CERES PR Tool in an Openshift container with database access; working on establishing connection to the CATALYST XML-RPC server. (Heckert) • Updated the Science Team Meeting presentations in the CERES Publications database on the CERES site. (Heckert) • Processed QC results for Terra C61 for 201601 and 200807 and generated differences with Beta2-Ed4. (Brown - Rick.R.Brown@nasa.gov) • SSF global images and statistics were processed for Aqua and Terra Edition4A for 201712 and 201801. (Brown)	

SS No.	SS Lead	Status	Problems
4.1 (Cont'd)	Sun-Mack (Brown)	- Assisted in testing of MODIS Collection 61 calibration testing. (Smith - Rita.A.Smith@nasa.gov) - Continued preparation for SCCR 1368 delivery, Beta2-Ed4 with Collection 61 MODIS. (Smith) - Continued work on Python/Perl/C Post processing code. (Smith) - Recreated Clouds QC netcdf files for Churngwei's plotting tool. (Smith) - Created Time Series of cloud retrievals for several versions of C61 calibrations. Plots were created and posted on the Website. (Chen - Yan.Chen-1@nasa.gov) - Continue working on Calibration between MODIS C61 and NPP C1. Year of 2013 was completed. (Chen) - Continue creating plots and stats of time series for Ed4 regional cloud retrievals. Completed plots were posted on the Website. (Chen) - Worked with members of the group on various tasks. (Sun-Mack - Szedung.Sun-Mack-1@nasa.gov) - Worked on validation of C6.1 with several versions of scaling. (Sun-Mack) - Worked on clear sky reflectances with and without snow. (Sun-Mack)	
4.2	Sun-Mack	Combined with above.	
4.3	Sun-Mack	Combined with above.	
4.4	Miller (Antropov)	- Maintained Confluence pages in support of production. (Miller - Walter.F.Miller@nasa.gov) - Worked with the SIT on continuing CERES production. (Miller) - Updated convolution module for MODIS Collection 061 delivery. (Miller) - Submitted and closed S-NPP Edition1 ERBElke PRs for January through April 2018. (Miller) - Submitted S-NPP Edition1A SSF1deg PRs for January through April 2018. (Miller) - Prepared CERES Ordering Tool Tomcat Upgrade Plan. (Miller) - Made cosmetic changes and fixing minor bugs in the program. (Antropov - Igor.Antropov@nasa.gov) - Moved NetCDF file names to PCF file with a dummy ID and adding a piece of program to read them. (Antropov)	

SS No.	SS Lead	Status	Problems
4.5	Sothcott (Caldwell)	Completed verification of the RedHat 7.4 verification of results for all Inversion PGEs. This required offline processing using Cloud inputs for comparison with the results because of the differences in the intermediate Cloud SSF used for processing. (Sothcott - Victor.E.Sothcott@nasa.gov)	
4.6	Sothcott (Caldwell)	Combined with above.	
5.0	Caldwell (Sothcott)	- Processing collection 6.1 MATCH data from March 2016 to March 2018 as requested by SARB group. (Caldwell - Thomas.E.Caldwell@nasa.gov) - Beginning evaluation of SARB data products run on RedHat 7.4 systems. (Caldwell)	
7.2	Caldwell (Sothcott)	Nothing new to report. (Caldwell)	
12.0	Caldwell (Sothcott)	Nothing new to report. (Caldwell)	
7.1	Nguyen (Kizer)	- Creating flow chart for the science team. (Nguyen - Le.T.Nguyen@nasa.gov) - Evaluated TSI, SYN data from CATALYST runs. (Nguyen)	
8.0	Nguyen (Kizer)	- Initiated cleaning of GEO satellite files for February 2018. (Kizer - Edward.A.Kizer@nasa.gov) - Order missing GEO satellite files for March and April 2018. (Kizer)	
10.0	Nguyen (Kizer)	- Created common libraries for SSF1deg Lite, SSF1deg Full. (Nguyen) - Updated Flux-By-Cloud code to correct the default colatitude problem when processing April and July 2017 data. (Nguyen) - Evaluated SSF1deg data from CATALYST runs. (Nguyen)	
9.0	J. Wilkins	SCCR 1260 – FluxByCldType Edition 4 product code delivery planned for mid-June. Continuing to work with Moguo and Cathy, fixing any issues. Working on getting FluxByCldTyp ready for delivery, such as documentation and netCDF formatting. Finishing up changes to Operator’s manual and testing netCDF changes with data. Added additional global attributes to the netcdf and metadata that still needed adjustments. Working to clean up print statements and code for delivery. Coordinating with PR and CATALYST teams	

SS No.	SS Lead	Status	Problems
9.0 (Cont'd)	J. Wilkins	to get code working in CATALYST and began running latest iteration of the code. Ran from 2002 – 2017 in CATALYST, added exception handling for special cases from default input from the SSFs, and tested those. Working on testing validation scripts for CM. (Wilkins - Joshua.C.Wilkins@nasa.gov) • Attended weekly TISA meetings. (Wilkins) • Continued managing GIT repositories, and assisting TISA team members as needed. (Wilkins) • SCCR 1302 – Waiting on an ANGe fix to handle the new naming scheme for the GEO filenames for ingest. (Wilkins) • SCCR 1324 – Will be delivered alongside 1302. (Wilkins)	
11.0	J. Wilkins	• GGEO – Processed December 2017 and January 2018 GGEO which will be delivered once approved through EBAF. (Wilkins)	

Table 5. June 6, 2018 – Subsystem Issues and Status

Activity	Status
Production Processing Database/Automation (Grune)	• SCCR 1361 - Delivered to CM the PRDB code for PGE CER4.1-4.1P6, to add the year 2018 for ECS_Input_Date1_Dynamic_Year and ECS_Input_Date2_Dynamic_Year; and add Collection 6.1 value '61' to the M04_Version environment variable. (Grune - Carla.O.Grune@nasa.gov) • SCCR 1379 - PRDB update to add support for new PGE CER1.1P10. (Grune) • SCCR 1380 - PRDB update to map CoversClosed as an output production strategy to PGEs CER2.3P1, CER 2.3P2, and CER3.1P1. (Grune) • SCCR 1346 - Updated SCCR for PGE CER2.4P1- 'update the toolkit to 18'. (Grune) • SCCR 1307 - Ready to deliver to CM, PRDB code to add and map new environment variable, geo_version to PGE CER9.0P6. (Grune) • SCCR 1306 - Ready to deliver to CM, PRDB updates to add new PGE CER9.0P5, FluxByCldTyp. (Grune) • OpenShift - The next step for the PR Tool is to connect to CATALYST with guidance from the OpenShift team. (Heckert - Elizabeth.C.Heckert@nasa.gov) • WebRA - Continued to work with the ASDC Team to implement a database strategy to restore databases: ceres_cc_test to CERES_PMDB and CERES_ORDERING_STATS_PROD to CERES_WEB on webdb.cluster.net for environments dev, test, and production. (Heckert, Kizer – Edward.A.Kizer@nasa.gov) ○ WEB-668: Implement a CERES database strategy – Met with the ASDC on 5/30/18.
CERES Websites (Kizer)	• The May 15-17 Science Team Meeting page with all presentations were promoted to the CERES Website. (Kizer – Edward.A.Kizer@nasa.gov) • The Inversion ADM pages were promoted to the CERES Website. (Kizer) • Looking into getting a database instance available for connecting to the CERES OpenShift Website. (Kizer, Grune - Grune - Carla.O.Grune@nasa.gov) • Met with the ASDC SA team to continue discussions for updating the CERES Website databases. (Kizer, Heckert - Elizabeth.C.Heckert@nasa.gov, Grune)
CERES Ordering Tool (Chu/Mitrescu)	• Fixed issues encountered when upgrading CERESVis to tomcat8.5 and Java 7. (Chu - Chungwei.Chu-1@nasa.gov) • Changed the format of GEO files accepted by CERESVis. (Chu) • Coordinated with cloud team about missing data files, EQCMG and Cloud C3M, on CERESVis. (Chu) • Working on Openshift, connecting a test program to access external database. (Chu) • Help in coordinating changes on papasmurf. (Mitrescu - Cristian.Mitrescu@nasa.gov)

Activity	Status
CERES Ordering Tool (Chu/ Mitrescu) (Cont'd)	• Implement fixes to ord-tool to restore full functionality with upgraded java/tomcat. (Mitrescu) • Test ord-tool on stest. (Mitrescu) • Test ord-tool on iprod. (Mitrescu) • Generate SSF and SYN LiteDAR (and anom, differences) till 01/2018. (Mitrescu) • Recover production orders following the ASDC crash. (Mitrescu) • Generate EBAF4 till 01/2018 (and anom) for internal QC. (Mitrescu)

CERES PGE List - 06/05/2018

Subsystem ID	PGE ID	SCCR (exe)	Status of PGEs on Each Platform and TK Version used for Compilation ^{1,2}							Status of Misc. Item(s)	Applicable Satellites				Applicable Editions C= Processing Completed						
			P6	P6 TK Ver	P7	P7 TK Ver	X86	X86 TK Ver	CATALYST Integration Status (Y / N / Dev / SSI&T) SCCR #		Terra	Aqua	NPP	J01	T, A Ed3 (C)	T, A Ed4	NPP Ed1	T,N Ed1	B1-QC	Ed1-CV	Other
Instrument 1	CER1.0P2	911	Y	16	N	N/A	Y	16	N/A				Y						Y	Y	
	CER1.0P3	1124	N	N/A	N	N/A	Y	18	Y				Y	Y					Y	Y	
	CER1.1P8	1132	N	N/A	N	N/A	Y	18	Y	Y	Y	Y	Y		C				Y		
		1272																		Y	
	CER1.1P9	1359	N	N/A	N	N/A	Y	18	Y					Y					Y	Y	
	CER1.1P10	1376 ^{dev}	N	N/A	N	N/A	Y	18	N/A	Y	Y	Y	Y	Y					Y	Y	
	CER1.4P2	1331	N	N/A	N	N/A	Y	18	Y	Y	Y	Y	Y	Y						Y	
	CER1.4P3	1202	N	N/A	N	N/A	Y	18	Y	Y	Y	Y	Y		C	Y	Y				
		1377 ^{dev}																			
	ERBE-like CER2.1P1	1262	N	N/A	N	N/A	Y	16	Y												Y
2	CER2.2P1	1337	N	N/A	N	N/A	Y	16	Y	Y	Y	Y	Y		C	Y	Y		Y	Y	
	CER2.2P2	1326	N	N/A	N	N/A	Y	18	Y					Y					Y	Y	
	CER2.3P1	1356	N	N/A	N	N/A	Y	16	Y					Y						Y	
		1337								Y	Y	Y				Y	Y				
		867													C					Y	
	CER2.3P2	1356	N	N/A	N	N/A	Y	16	Y					Y						Y	
		1337								Y	Y	Y				Y	Y				
		867													C					Y	
	CER2.4P1	983	Y	16	N	N/A	N	N/A	Y	Y	Y				C	Y					
		1330 ^{CM}	N	N/A	N	N/A	Y	18													
ERBE-like 3	CER3.1P1	1356	N	N/A	N	N/A	Y	16	Y					Y						Y	
		1337								Y	Y	Y				Y	Y				
		867													C					Y	
	CER3.2P1	1337	N	N/A	N	N/A	Y	16	Y	Y	Y				C	Y					
Clouds 4.1-4	CER4.1-4.0P2	1309	N	N/A	N	N/A	Y	18	Y												Y
	CER4.1-4.0P3	1309	N	N/A	N	N/A	Y	18	Y												Y
	CER4.1-4.1P4	919	Y	18	N	N/A	N	N/A	N/A	Y										Y	
	CER4.1-4.1P5	919	Y	18	N	N/A	N	N/A	N/A			Y								Y	
	CER4.1-4.1P6	1205	N	N/A	N	N/A	Y	18	Y	Y	Y					Y					
		1368 ^{dev}																			
	CER4.1-4.1P7	1163	N	N/A	Y	18	N	N/A	Y				Y				Y				
	CER4.1-4.2P2	919	Y	18	N	N/A	N	N/A	N/A	Y	Y									Y	
	CER4.1-4.2P3	919	Y	18	N	N/A	N	N/A	N/A	Y	Y									Y	
	CER4.1-4.2P4	1205	N	N/A	N	N/A	Y	18	Y	Y	Y					Y					
	CER4.1-4.2P5	1205	N	N/A	N	N/A	Y	18	Y	Y	Y					Y					
	CER4.1-4.2P6	1047	N	N/A	Y	18	N	N/A	Y				Y				Y				
	CER4.1-4.2P7	1047	N	N/A	Y	18	N	N/A	Y				Y				Y				
	CER4.1-4.3P2	919	Y	18	N	N/A	N	N/A	N/A	Y	Y									Y	
	CER4.1-4.3P3	1205	N	N/A	N	N/A	Y	18	Y	Y	Y					Y					
	CER4.1-4.3P4	1047	N	N/A	Y	18	N	N/A	Y				Y				Y				
	Inversion CER4.5-6.0P6	1220	N	N/A	N	N/A	Y	18	Y	Y	Y									Y	
4.5-6													Y				Y				

	CER4.5-6.1P2	913	Y	18	N	N/A	Y	18	N	Y								Y	
	CER4.5-6.1P3	913	Y	18	N	N/A	Y	18	N		Y							Y	
	CER4.5-6.1P6	1252	N	N/A	N	N/A	Y	18	Y	Y	Y				Y			Y	
		1371 ^{dev}																	
	CER4.5-6.1P7	1347	N	N/A	N	N/A	Y	18	Y			Y				Y			
	CER4.5-6.2P2	913	Y	18	N	N/A	Y	18	N	Y	Y							Y	
	CER4.5-6.2P3	1218	N	N/A	N	N/A	Y	18	Y	Y	Y				Y			Y	
											Y					Y			
	CER4.5-6.2P4	939	Y	18	N	N/A	Y	18	N	Y	Y				C				
	CER4.5-6.4P1	939	Y	18	N	N/A	Y	18	N	Y	Y				C				
		913								Y	Y							Y	
	CER4.5-6.4P2	1219	N	N/A	N	N/A	Y	18	Y	Y	Y				Y			Y	
											Y					Y			
	CER4.5-6.5P4	984	Y	18	N	N/A	Y	18	N	Y					C				
	CER4.5-6.5P5	984	Y	18	N	N/A	Y	18	N		Y				C				
SARB	CER6-0P2	917	Y	18	N	N/A	Y	18	N	Y	Y				C				
5	CER5-0P3	1340	N	N/A	N	N/A	Y	18	Y			Y					Y		
		1178								Y	Y					Y			
TISA Avg	CER7-2.1P1	1016	Y	16	N	N/A	N	N/A	N	Y	Y				C				
7.3	CER7.3.1P2	1121	N	N/A	N	N/A	Y	18	Y		Y					Y			
	CER7.3.1P3	1121	N	N/A	N	N/A	Y	18	Y	Y	Y	Y				Y		Y	
	CER7.3.1P4	1121	N	N/A	N	N/A	Y	18	Y	Y	Y	Y				Y		Y	
SARB	CER7-2.1P1	938	N	N/A	N	N/A	Y	16	N	Y	Y				C				
7.2	CER7.2.1P2	1185	N	N/A	N	N/A	Y	18	Y	Y	Y	Y				Y		Y	
TISA Avg	CER8-1P1	801	Y	16	N	N/A	N	N/A	N	Y	Y				C				
8	CER8.1P2	1122	N	N/A	N	N/A	Y	18	Y	Y	Y	Y				Y		Y	
TISA Grid	CER9-0P1	915	Y	18	N	N/A	Y	18	N	Y	Y				C				
9	CER9-0P2	961	Y	18	N	N/A	Y	18	N	Y	Y				C				
	CER9-0P3	961	Y	18	N	N/A	Y	18	N	Y	Y				C				
	CER9.0P5	1260 ^{dev}	N	N/A	N	N/A	Y	18	N	Y	Y					Y			
	CER9.0P6	1264	N	N/A	N	N/A	Y	18	Y	Y	Y					Y			
		1302 ^{dev}																	
	CER9.0P7	1237	N	N/A	N	N/A	Y	18	Y	Y	Y					Y			
	CER9.0P8	1237	N	N/A	N	N/A	Y	18	Y	Y	Y					Y			
	CER9.1P1	914	Y	18	N	N/A	N	N/A	N										Y
	CER9.1P2	1018	N	N/A	N	N/A	Y	18	Y										Y
	CER9-2P2	914	Y	18	N	N/A	N	N/A	N	Y	Y				C				
	CER9.2P3	1336	N	N/A	N	N/A	Y	18	Y	Y	Y	Y				Y		Y	
	CER9-2P2	914	Y	18	N	N/A	N	N/A	N	Y	Y				C				
	CER9.3P3	1336	N	N/A	N	N/A	Y	18	Y	Y	Y	Y				Y		Y	
	CER9-4P2	914	Y	18	N	N/A	N	N/A	N	Y	Y				C				
	CER9.4P3	1336	N	N/A	N	N/A	Y	18	Y	Y	Y	Y				Y		Y	
TISA Avg	CER10-0P2	1249	Y	16	N	N/A	N	N/A	N	Y	Y				C				
10	CER10-0P4	1086	Y	18	N	N/A	Y	18	N	Y	Y				C				
	CER10.0P5	1177	N	N/A	N	N/A	Y	18	Y	Y	Y	Y				Y		Y	
GGEO 11	CER11-1P1	916	Y	18	N	N/A	Y	18	N						C				Y
Regrid MOA	CER12.1P1	920	Y	16	N	N/A	Y	16	N										Y
12	CER12.1P2	1349	N	N/A	N	N/A	Y	16	Y										Y