CERES DMT to DAAC Production Requests
YEAR 2009

by

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Document Revision Record

IssueDate	Release Number	DCCR[a] Number	Prepared[b] by	Description of Revision	Section Affected
1/5/09	R12V1	tbd	lhc	• Added PRs 12-09 and 13-09 for Edition2 MOA and PMOA processing using GMAO's G5-CERES input data • Added PRs 1-09 thru 6-09 to process Edition2 Terra and Aqua SYN/AVG/ZAVG • Added PR 7-09 to process ValR12 Inst SARB Terra delivery to magneto-P4 • Added PRs 8-09 thru 11-09 to process ValR10 FSW and SFC delivery to magneto-P4 • Added elaboration to dates in comments for PRs 63-08 and 64-08 • Changed "2008" to "2009" where appropriate	Table 1:

a. Document Configuration Change Request Number
b. Prepared by: ebg - Erika Geier, NASA
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CERES DMT to DAAC Production Requests, YEAR 2009

This set of tables serves as a format for requesting production activities from the CERES Data Management Team (DMT) to the Langley TRMM/Terra Information System (LaTIS). The organization of the requests is as follows:

A Change bar (|) is used, on left side of document, to indicate changes since the last request.

Note: Shaded boxes are completed Production Requests. All CERES Processing Requests should be referenced as: CERES PR'Item#'. Examples: CERES PR3-99 is Production Request 3 made in year 1999 and CERES PM-PR 4-01 is the 4th standing Aqua production request made in 2001.

CERES Data Processing Policy

Under normal circumstances, a Data Month must be processed with a unique Software Code. If an emergency Software Code Fix must be made in the middle of a processing month, all days previously processed must be reprocessed to maintain consistency of the data.

CERES Production Requests, YEAR 2009

RP = Runtime Parameter.

Table 1: Production Request for CERES Processing (PR)

PR Year & Item_#	PGEs	Instrument (INST)	Input Production Strategy	Output Production Strategy	Begin Datadate to process	End Datadate to process	DAAC Verification (If no CC # provided, use most recent)
1/5/09 – Process G5-CERES (SCCRs 686 for MOA and 684 for PMOA) PMOA overlap is critical. Please wait unil next month of MOA is available prior to processing PMOA. Overlap from previous and next months is critical. If MOA cc# changes for current month, either rename or rerun last day of previous month. If MOA cc# changes for next month, temporarily rename first day of next month before processing PMOA. **Computing Platform – Magneto P4** **ENVIRONMENT VARIABLES** **For 12.1P1 (G5Stream=1 indicates 100 series, =2 indicates 200 series)** **Set G5Stream = 2**							cc12= 019031 cc9_1= assigned with latest promotion
13-09	12.1P1	CERES		PS12in=DAO-G5-CERES PS12out= DAO-G5-CERES	1/01/08	1/01/09	
12-09	9.1P1	CERES	PS12=DAO-G5-CERES	PS9_1=PS12= DAO-G5-CERES	1/08	12/08	

Table 1: Production Request for CERES Processing (PR)

PR Year & Item_#	PGEs	Instrument (INST)	Input Production Strategy	Output Production Strategy	Begin Datadate to process	End Datadate to process	DAAC Verification (If no CC # provided, use most recent)
Process ValR10 FSW, SFC --Edition2 delivery to magneto – SCCR 685 **Processing Platform: magneto-P4** **Environment Variables:** None							cc4_5= cc5= cc6=assigned on promotion cc6_3=assigned on promotion cc9_1= cc9=assigned on promotion cc9_3=assigned on promotion cc9_4=assigned on promotion
11-09	6.1P1 6.2P1 6.3P1	FM3	PS4_5=Edition2C PS5=Edition2C PS12=DAO-GEOS4 PS6=ValR10	PS6=ValR10	6/30/07	8/01/07	
10-09	9.2P1 9.3P1 9.4P1	FM3	PS4_5=Edition2C PS12=DAO-GEOS4 PS9=ValR10 PS9_3=ValR10	PS9=ValR10 PS9_3=ValR10 PS9_4=ValR10	6/30/07	8/01/07	
9-09	6.1P1 6.2P1 6.3P1	FM1	PS4_5=Edition2F PS5=Edition2F PS12=DAO-GEOS4 PS6=ValR10	PS6=ValR10	4/30/07	6/01/07	
8-09	9.2P1 9.3P1 9.4P1	FM1	PS4_5=Edition2F PS12=DAO-GEOS4 PS9=ValR10 PS9_3=ValR10	PS9=ValR10 PS9_3=ValR10 PS9_4=ValR10	4/30/07	6/01/07	

Table 1: Production Request for CERES Processing (PR)

PR Year & Item_#	PGEs	Instrument (INST)	Input Production Strategy	Output Production Strategy	Begin Datadate to process	End Datadate to process	DAAC Verification (If no CC # provided, use most recent)
Process ValR12 CRS --Terra Instantaneous SARB Edition2 delivery to magneto – SCCR 692 **Processing Platform: magneto-P4** **Environment Variables:** **PGE CER5.0P1, CER5.1P1:** SS5_MATCH=C5							cc4_5= cc5= cc5_4= cc12=
7-09	5.0P1 5.1P1 5.4P1	FM1	PS4_5=Edition2F PS5=ValR12 PS12=DAO-GEOS4	PS5=ValR12	5/1/07	5/31/07	
1/5/09 – Process Edition2 Terra and Aqua TSI (SCCR 671), SYNI (SCCR 663), and SYN/AVG/ZAVG (SCCR 667) **Processing Platform: magneto P4** **Cross-track data only** FM1: 5/2000 thru 7/2000,11/2000 thru 1/2001, 5/2001 thru 7/2001, 11/2001 thru 10/2005 FM2: 3/2000 thru 4/2000, 8/2000 thru 10/2000, 2/2001 thru 4/2001, 8/2001 thru 10/2001 FM3 = 7/02; 11/02 thru 1/03; 5/03 thru 7/03; 4/05 thru 10/05 FM4 = 7/02 thru 10/02; 2/03 thru 4/03; 8/03 thru 3/05 **Environment Variables:** **PGE CER7.2.1P1:** SS7_2_MATCH=C4 PROD=Yes							cc4_0= cc4_2= cc6= cc7_1= cc7_2= cc8= cc9_1= cc10= cc11= cc11_6= cc12=

Table 1: Production Request for CERES Processing (PR)

PR Year & Item_#	PGEs	Instrument (INST)	Input Production Strategy	Output Production Strategy	Begin Datadate to process	End Datadate to process	DAAC Verification (If no CC # provided, use most recent)
6-09	7.1.1P1	FM1 or FM2	PS6=Edition2C PS10=Edition2D PS11=Edition2A PS12=DAO-GEOS4	PS7_1=Edition2C	3/1/2000	10/31/05	
5-09	7.2.1P1	FM1 or FM2	PS4_0=NSIDC-NESDIS PS4_2=Edition2-QC PS7_1=Edition2C PS12=DAO-GEOS4	PS7_2=Edition2C	3/1/2000	10/31/05	
4-09	8.1P1	FM1 or FM2	PS7_1=Edition2C PS7_2=Edition2C	PS8=Edition2C	3/1/2000	10/31/05	
3-09	7.1.1P1	FM3 or FM4	PS6=Edition2B PS10=Edition2A PS11=Edition2A PS12=DAO-GEOS4	PS7_1=Edition2B	7/1/02	10/31/05	
2-09	7.2.1P1	FM3 or FM4	PS4_0=NSIDC-NESDIS PS4_2=Edition2-QC PS7_1=Edition2B PS12=DAO-GEOS4	PS7_2=Edition2B	7/1/02	10/31/05	
1-09	8.1P1	FM3 or FM4	PS7_1=Edition2B PS7_2=Edition2B	PS8=Edition2B	7/1/02	10/31/05	

Table 1: Production Request for CERES Processing (PR)

PR Year & Item_#	PGEs	Instrument (INST)	Input Production Strategy	Output Production Strategy	Begin Datadate to process	End Datadate to process	DAAC Verification (If no CC # provided, use most recent)
12/3/08 – Process overlap data for G5-CERES (SCCRs 686 for MOA and 684 for PMOA) **NOTE: The available data months to run at this time are not those that correspond to currently planned Edition2 2008 processing. They are of the same format, however, and are suitable for the first production runs of the newly delivered Regrid MOA and PMOA PGEs.** **Computing Platform – Magneto P4** **ENVIRONMENT VARIABLES** **For 12.1P1** **For PR 90-08 Set G5Stream = 1** **For PR 92-08 Set G5Stream = 2**							cc12= assigned with latest promotion cc9_1= assigned with latest promotion
91-08	9.1P1	CERES	PS12= DAO-G5-CERES	PS9_1= DAO-G5-CERES	10/2007	11/2007	
11/03/08 – Process PGE CER9.0P1 (SCCR 672) to correspond with full Terra and Aqua Data record processed to date, and CER11.7P1 (SCCR 675) to correspond with GEO data record to date **No need to reprocess Beta1 months already processed – see PRs 17-08 through 20-08 for months already processed through 9.0P** **Cross-track data only** FM1: 5/2000 thru 7/2000,11/2000 thru 1/2001, 5/2001 thru 7/2001, 11/2001 thru 12/2005, 3/2006 thru 8/2007 FM2: 3/2000 thru 4/2000, 8/2000 thru 10/2000, 2/2001 thru 4/2001, 8/2001 thru 10/2001, 1/2006 thru 2/2006 **FM3** = 7/02; 11/02 thru 1/03; 5/03 thru 7/03; 4/05 thru 12/07 **FM4** = 7/02 thru 10/02; 2/03 thru 4/03; 8/03 thru 3/05 **Computing Platform: Run on Magneto – ASDC P4**							cc4_5= *TerraEd2B: 026030, 027031 (7/04, 7/05)* *AquaEd2B: 034039* *TerraEd2F: 027033* *AquaEd2C: 034040* cc9=02303 cc11= cc11_7=

Table 1: Production Request for CERES Processing (PR)

PR Year & Item_#	PGEs	Instrument (INST)	Input Production Strategy	Output Production Strategy	Begin Datadate to process	End Datadate to process	DAAC Verification (If no CC # provided, use most recent)
84-08	9.0P1	FM1, FM2	PS4_5=Edition2B/ Edition2F	PS9_0=Beta1	03/2000 (see PRs 17-08 and 18-08 for months already processed)	08/2007	
82-08	11.7P1	Composite	PS11=Edition2A	PS11_7=Beta1	03/2000 (process months with corresponding GGEO data - except 07/02, 10/02, 01/03, & 04/03)	10/2005 (except 07/02, 10/02, 01/03, & 04/03)	

Table 1: Production Request for CERES Processing (PR)

PR Year & Item_#	PGEs	Instrument (INST)	Input Production Strategy	Output Production Strategy	Begin Datadate to process	End Datadate to process	DAAC Verification (If no CC # provided, use most recent)
06/24/08 Process Clouds and Inversion Edition2 for 2 years of Aqua (01/01/2004 through 12/31/2005) with special IGBP map (SCCR 673) **PRIORITY NOTE: Special processing with "run-in-the-background" priority** **Process cross-track only for January 04 through February 05, FM3 for March through December 2005** **1/5/09 - FM3** = 4/05 thru 12/05 **FM4** = 1/04 thru 3/05 Run all of inversion using dynamic Spectral Correction Coefficients. (Always use PS4_7 = NULL. NEVER use default/static coefficients from CERESlib.) Always use Spectral Correction Coefficients that correspond to instrument getting processed. Note: Please make sure to use CERES_ECS–OA0063m_Aqua-MODIS_Edition1A and CER_ECS-OA0213m_Aqua-MODIS_Edition1A as clear sky maps as starting point Rename 01/01/2004 and 01/02/2004 CER_ECS-OA0063m_Aqua-MODIS_Edition1A and CER_ECS-OA0213m_Aqua-MODIS_Edition1A and start with the renamed ones. ENVIRONMENT VARIABLES Note: Need to turn OFF CloudVis files: $ENV{'CV'} = 'n'; NEW! Need to set $ENV{'MODIS_IGBP'}='y'							cc12=most recent cc1=most recent cc4_0=most recent cc4_1= cc4_2= cc4_3=
64-08	4.1-4.1P5 4.1-4.2P3 4.1-4.2P2 4.1-4.3P2	FM3 or FM4 MODIS V005	PS1=Edition2 PS4_0=NSIDC-NESDIS PS12=DAO-GEOS4	~~PS4_1=Edition1B~~ PS4_1=Edition1B-MIGBP	01/01/2004	12/31/2005	

Table 1: Production Request for CERES Processing (PR)

PR Year & Item_#	PGEs	Instrument (INST)	Input Production Strategy	Output Production Strategy	Begin Datadate to process	End Datadate to process	DAAC Verification (If no CC # provided, use most recent)
63-08	4.5-6.1P3 4.5-6.2P2 4.5-6.4P1	FM3 or FM4	~~PS4_1=Edition1B~~ PS4_1=Edition1B-MIGBP PS12=DAO-GEOS4 PS2_4=Edition2 PS4_7=NULL	PS4_5= Ed2C-MOD-C4-Land-IGBP	01/01/2004	12/31/2005	
06/24/08 Process Clouds, Inversion, SARB, and TISA-Gridding (SFC and FSW), Edition2 through September 2007 **PRIORITY NOTE: Aqua processing through May 07 is the highest priority** PR 55-08, 5-08, and 57-08 7/27/07 forward on hold pending resolution of mismatched MODIS input file Run all of inversion using dynamic Spectral Correction Coefficients. (Always use PS4_7 = NULL. NEVER use default/static coefficients from CERESlib.) Always use Spectral Correction Coefficients that correspond to instrument getting processed. Note: Please make sure NOT to use CERES_ECS start-up maps for 7/06 ValR13 run. Rename the 7/1/05 Edition1A CERES_ECS files and start with those. Do NOT use CERES_ECS start-up maps when running Edition1B, instead rename Edition1B maps and use those as starting point. **Wrong CC number used for 4.5-6.2P2 and 4.5-6.4P1. Will rerun when remainder of 2007 is processed.** Note: Use Edition2A-QC clear-sky maps for Terra ENVIRONMENT VARIABLES Note: Need to turn on CloudVis files: $ENV{'CV'} = 'y'; NEW! Need to set $ENV{'MODIS_IGBP'}='n'							cc12=most recent cc1=most recent cc4_0=most recent cc4_1= cc4_2= cc4_3= cc2_4= cc4_8= cc4_9= cc4_10= cc9_1= cc9= cc9_3= cc9_4= cc5= cc5_4= cc6= cc6_3= cc9_1=

Table 1: Production Request for CERES Processing (PR)

PR Year & Item_#	PGEs	Instrument (INST)	Input Production Strategy	Output Production Strategy	Begin Datadate to process	End Datadate to process	DAAC Verification (If no CC # provided, use most recent)
57-08	4.1-4.1P4 4.1-4.2P3 4.1-4.2P2 4.1-4.3P2	FM1, FM2, MODIS V005	PS1=Edition2 PS4_0=NSIDC-NESDIS PS12=DAO-GEOS4	PS4_1= Edition2A-QC	1/1/07	9/01/07	11/3/08 – ON HOLD 7/27/07 forward
56-08	4.5-6.1P2 4.5-6.2P2 4.5-6.4P1	FM1, FM2	PS4_1=Edition2A-QC PS12=DAO-GEOS4 PS2_4=Edition2 PS4_7=NULL	PS4_5= Edition2F	1/1/07	9/01/07	11/3/08 – ON HOLD 7/27/07 forward
55-08	9.2P1 9.3P1 9.4P1	FM1, FM2	PS9_1=PS12=DAO-GEOS4 PS4_5=Edition2F	PS9= Edition2F	12/31/06 hour 12	9/1/07 hour 11	11/3/08 – ON HOLD 7/27/07 forward
54-08	5.0P1 5.1P1 5.4P1	FM1 V005 MOD08	PS4_5=Edition2F PS5 = Edition2F PS12=DAO-GEOS4	PS5=Edition2F	1/01/07	8/31/07	12/4/08 – ON HOLD 7/01/07 forward
53-08	6.1P1 6.2P1 6.3P1	FM1	PS4_5=Edition2F PS5=Edition2F PS9_1=PS12= DAO-GEOS4	PS6=Edition2F	1/01/07	8/31/07	12/4/08 – ON HOLD 7/01/07 forward

CERES Miscellaneous Standing Production Requests

Table 2: Standing Production Request for CERES Misc. Processing (M-PR)

M-PR Date & Item_#	PGE	Instrument (INST)	Input Production Strategy	Output Production Strategy	Begin Datadate to process	End Datadate to process	DAAC Verification
10/18/02 **Process Snow map for Clouds**							use latest ccode for cc4_0
3-02	4.1-4.0P1	CERES		PS4_0=NSIDC-NESDIS	8/01		
8/12/02: **Process ERBElike Snow map** required for Terra and Aqua. This request is typically run 5 days after the end of the data month, after inputs are available.							use latest ccode for cc2_1 (See Table 1:)
1-02	2.1P1	CERES		PS2_1=NSIDC	6/18/02		

CERES Terra Standing Production Requests

Table 3: Standing Production Request for CERES Terra Processing (AM-PR)

AM-PR Date & Item_#	PGE	Instrument (INST)	Input Production Strategy	Output Production Strategy	Begin Datadate to process	End Datadate to process	DAAC Verification
11/9/05: Use PS1 = 'Edition1-CV' Standing Request: Terra Instrument SS1 {FM1, FM2} Processing Request. Reprocessing requests provided for 2/25/00 - 11/1/05 (PR 154-05, 158-05). This standing request only takes data forward from where the reprocessing request left off.							use latest ccode {cc1} (See Table 1:)
7-05 6-05	1.1P3 1.2P1 1.3P1	FM1,FM2	(PS1=>)	PS1=Edition1-CV	11/2/05		
11/9/05: **Standing Request: Terra ERBElike SS2, SS3 {FM1, FM2} Processing Request** Reprocessing requests provided for 2/25/00 - 11/1/05 (PR 153-05, 155-05 to 157-05). This standing request only takes data forward from where the reprocessing request left off. **ERBElike cmdline arg notes:** M = monthly Spectral Correction Coefficients (SCC); N = not monthy, use static SCC. A = actual Snow map; C = composite Snow map. F has to do with ADMs.							use latest ccodes {cc2, cc2_1, cc3} (See Table 1:)
5-05 4-05 3-05	2.2P1 2.3P2 2.3P1	FM1,FM2	PS1=Edition1-CV PS2_1=NSIDC cmdline arg = A F N T	PS2=Edition1-CV	11/2/05 10/31/05 12/1/05		
2-05	3.1P1	FM1,FM2	PS2=Edition1-CV	PS3=Edition1-CV	11/05		
1-05	1.3P2	FM1,FM2	PS1=Edition1-CV	PS1=Edition1-CV	11/05		
8/2/02 Processing Scenario updated/corrected; Added PR 1A-02. 2/8/02: New processing scenario for Baseline1-QC BDS and ERBElike processing. Anticipate this will go into affect starting with Feb 2002 data. For earlier data, continue using PR 1-00 through PR 8-00. PRs 1-02 and 2-02 are to run 48 hours after data date; PR 1A-02 is run at the end of the month. Standing Request: Terra Instrument SS1 {FM1, FM2} Processing Request **Note:** Delete these data sets after data reprocessed as Baseline1 or Edition1. **ERBElike cmdline arg notes:** M = monthly Spectral Correction Coefficients (SCC); N = not monthy, use static SCC. A = actual Snow map; C = composite Snow map. F has to do with ADMs.							use latest ccode {cc1, cc2} (See Table 1:)

Table 3: Standing Production Request for CERES Terra Processing (AM-PR)

AM-PR Date & Item_#	PGE	Instrument (INST)	Input Production Strategy	Output Production Strategy	Begin Datadate to process	End Datadate to process	DAAC Verification
2-02	1.1P3 1.2P1 1.3P1	FM1,FM2	(PS1=>)	PS1=Baseline1-QC	??		
1-02	2.2P1	FM1,FM2	PS1=Baseline1-QC PS2_1=NotAvailable cmdline arg = C F N T	PS2=Baseline1-QC	??		
1A-02	1.3P2	FM1,FM2	PS1=Baseline1-QC	PS1=Baseline1-QC	??		

CERES Aqua Standing Production Requests

Table 4: Standing Production Request for CERES Aqua Processing (PM-PR)

PM-PR Date & Item_#	PGE	Instrument (INST)	Input Production Strategy	Output Production Strategy	Begin Datadate to process	End Datadate to process	DAAC Verification
11/9/05 Edition1-CV processing limited to FM3 while FM4 experiencing SW problems. This request is run 5-25 days after the end of the data month, when ASDC has received as much data as they expect to receive. Edition1-CV processing requests for 6/18/02 - 11/1/05 are listed as regular PRs (PRs 171 to 182-05 Standing Request: Aqua Instrument SS1 and ERBElike SS2 {FM3} Processing Request. **ERBElike cmdline arg notes:** M = monthly Spectral Correction Coefficients (SCC); N = not monthy, use static SCC. A = actual Snow map; C = composite Snow map. F has to do with ADMs.							use latest ccode {cc1, cc1_2, cc1_3, cc1_4, cc1_5, cc2, cc2_1, cc2_4, cc3, cc3_2} (See Table 1:)
18-05	1.1P5 1.2P1 1.3P1	FM3	(PS1=>) PS1=Edition1-CV	PS1=Edition1-CV PS1_3=Edition1-CV	11/2/05		
17-05	2.2P1 2.3P2 2.3P1	FM3	PS1=Edition1-CV PS2_1=NSIDC cmdline arg = A F N T	PS2=Edition1-CV	11/2/05 10/31/05 12/1/05		
16-05	1.3P2	FM3	PS1=Edition1-CV	PS1=Edition1-CV	11/05		
15-05	3.1P1	FM3	PS2=Edition1-CV	PS3=Edition1-CV	11/05		
11/9/05 Ed1-CV-NoSW processing replaces Ed1-NoSW and should be run until SW problems on FM4 can be corrected or further problems occur. Ed1-CV-NoSW processing requests for 3/31/05 - 11/1/05 are listed as regular PRs (PR 159-05 to 164-05). This request is run 5-25 days after the end of the data month, when ASDC has received as much data as they expect to receive. Standing Request: Aqua Instrument SS1 and ERBElike SS2 {FM4} Processing Request. **Instrument cmdline arg:**-ic OFF -sat SW_OFF (these args. are for Ed1 NoSW processing) **ERBElike cmdline arg notes:** M = monthly Spectral Correction Coefficients (SCC); N = not monthy, use static SCC. A = actual Snow map; C = composite Snow map. F has to do with ADMs.							use latest ccode {cc1, cc1_2, cc1_3, cc1_4, cc1_5, cc2, cc2_1, cc2_4, cc3, cc3_2} (See Table 1:)
14-05	1.1P5 1.2P1 1.3P1	FM4	(PS1=>) PS1=Ed1-CV-NoSW	PS1=Ed1-CV-NoSW PS1_3=Ed1-CV-NoSW	11/2/05		

Table 4: Standing Production Request for CERES Aqua Processing (PM-PR)

PM-PR Date & Item_#	PGE	Instrument (INST)	Input Production Strategy	Output Production Strategy	Begin Datadate to process	End Datadate to process	DAAC Verification
13-05	2.2P1 2.3P2 2.3P1	FM4	PS1=Ed1-CV-NoSW PS2_1=NSIDC cmdline arg = A F N T	PS2=Ed1-CV-NoSW	11/2/05 10/31/05 12/1/05		
12-05	1.3P2	FM4	PS1=Ed1-CV-NoSW	PS1=Ed1-CV-NoSW	11/05		
11-05	3.1P1	FM4	PS2=Ed1-CV-NoSW	PS3=Ed1-CV-NoSW	11/05		
12/20/03: Use PS1 = 'Baseline1-QC' until further notice PRs 12-03 and 13-03 are to run 48 hours after data date; PR 11-03 is run at the end of the month. Standing Request: Aqua Instrument SS1 {FM3, FM4} Processing Request. **Note:** All Baseline1-QC files may be deleted when data has been reprocessed as Baseline1. Baseline1-QC files do not need to be archived. If they are archived, they should be deleted when Baseline1 is processed. **ERBElike cmdline arg notes:** M = monthly Spectral Correction Coefficients (SCC); N = not monthy, use static SCC. A = actual Snow map; C = composite Snow map. F has to do with ADMs.							use latest ccode {cc1, cc1_2, cc1_3, cc1_4, cc2, cc2_1, cc3} (See Table 1:)
30-02	1.1P5 1.2P1 1.3P1	FM3,FM4	(PS1=>)	PS1=Baseline1-QC	12/02		
29-02	2.2P1	FM3,FM4	PS1=Baseline1-QC PS2_1=NotAvailable cmdline arg = C F N T	PS2=Baseline1-QC	12/02		
28-02	1.3P2	FM3,FM4	PS1=Baseline1-QC	PS1=Baseline1-QC	12/02		