Test Number: C1.1_science_test

Test Date: 01/09/14

Last Revised:

Discipline: All

Test Title: C1.1 Pre-Reprocessing Science Test

Test Objective: To use all PGEs/LUTs intended for use in the C1.1 Reprocessing in a science test

Test Time Intervals: 2013-017 00:00 – 2013-033 00:00
2013-193 00:00 – 2013-209 00:00

Machine/Archive Set: ops7 in archive set to be determined by operator

Related Test(s): AS3100 Best Of Reprocessing and recent Seed File tests

Baseline DataSet: AS3000

Input DataSet: Sync the data listed below from laads AS3001 to test archive set on ops7:

Actions: (special notes or setup)

1) Establish a clone of the following data from ops4/laads AS3001 for the 2 16-day test periods to test archive set. Note that certain ancillary products should include a buffer to insure PGEs have ample to select from for staging.

NP5_RVIRS_L0

NPP_TLE - this tends to be a daily file, and the PGEs will need the file that start before the period being processed. Therefore, please stage the NPP_TLE that cover from
1/16/13 through 2/4/13 and
7/11/13 through 7/28/13

NPP_USNOPW – this file tends to come in weekly, and the PGEs will need the files that start prior to the period being processed. Therefore, please stage the NPP_USNOPW that cover from
1/11/13 through 2/4/13 and
7/5/13 through 7/26/13

NCEP_GFS03_ANC
NCEP_GFS06_ANC
NCEP_GFS09_ANC
NCEP_GFS12_ANC
NCEP_GFS15_ANC
NCEP_GFS18_ANC
NCEP_GFS21_ANC
NCEP_GFS24_ANC

NPP_NAAPS_03H
NPP_NAAPS_06H
NPP_NAAPS_09H
NPP_NAAPS_12H
NPP_NAAPS_15H
NPP_NAAPS_18H
NPP_NAAPS_21H
NPP_NAAPS_24H

NOTE: For both the NCEP and NAAPS files, please buffer the 16-day test periods by 1 to 2 data days so that ample inputs are staged.

2) Establish a clone of the Aqua MODIS MYD13A2 datasets from laads AS5 for 2008001 – 2013001.

3) Establish a clone of the NISE Ancillary data from LAADS, not certain of ArchiveSet for both 16-day periods, plus a buffer of 2 days on either side.

4) Clone the following seed files into the baseline testing archiveset:
Seed Files:

ESDT	PGE_StartTime	BeginUseTime	FileCount
NPP_QMMVIIPS_L3	2013-01-01 00:00:00	2012-01-01 00:00:00	300
NPP_QSTIPS_L3	2013-01-01 00:00:00	2012-01-01 00:00:00	460
NPP_QSTLWMIPS_L3	2013-01-01 00:00:00	2012-01-01 00:00:00	460

NOTE: The NppSeedFileUsage database table will need entries for the above seed files added to it once the test archive set has been identified.

5) For PGE347, please clone the NPP_QSTLWMIP_L3 files with PGE_StartTime of 2011-07-01 00:00 into the working archive set. Information on these files does not go into the NppSeedFileUsage table.

6) For PGE364, please clone in the BRDF_DB file set.

7) Verify that the PGE302 C1.1 LUTs are present in the /MODAPSops7/PGE/NPP_OPS/coeff/PGE302/LUTs/c1.1_repro area of all ops7 minions.

This check can be done by executing the script named "c1.1_302_luts.pl" on mtvs7n1 in /home/clcolli1. The list of LUTs it will verify is in /home/clcolli1 on mtvs7n1 and is named c1.1_repro.txt.

Special processing notes for S1mc, S2mc, S3mc and GGMmc Recipes:

1. NPP_S1mc/Daily SnowIce Seed File PGE, will need to be run for each data day within the following 17 day periods:
   2013-016 - 2013-033
   2013-192 – 2013-209
   NPP_S1mc uses TileSchemeId 1 and Start/End Profile of 1. The output from this Recipe is the ESDT NPP_DSNICS_L3D.
2. NPP_S2mc/Yearly VI Static File PGE will need to be run for the following datadays:
   2012-001
   2013-001

NPP_S2mc uses TileSchemeId 502 and Start/End Profile 1. Output from this recipe is ESDT NPP_SNDVI_L3D.

3. NPP_S3mc will need to be run for the 16-day periods with start days of:
   2012-12-26
   2013-01-09
   2013-06-18
   2013-07-04

   NPP_S3mc uses TileSchemeId 502 and Start/End Profile 1. Output from this recipe is ESDT NPP_D16SNDVI_L3D.
4. NPP_GGMmc should be run for the 2 16-day periods for profiles 4, 5, 6, 7, and 8 only.

Special processing notes for L2Smc, L5Smcl, L10mcl and L12mcl Recipes:

1. The version noted for use for NPP_L2Smc is currently being prepared and will be installed for use in the test as soon as it is baselined.
2. Both the NPP_L5Smcl and NPP_L10mcl recipes defined for use are the variations that use the IDPS L2 Fire as input rather than the L2 Fire DDR. Once the revised PGE343 and PGE361 that will use the L2 Fire DDR are ready, we may need/want to re-run the NPP_L5Smcl and NPP_L10mcl.
3. The NPP_L12mcl is usually submitted every 8-days, but because it uses 16-days of inputs we will only want to run L12mcl in this test for start dates of 1/17/13 and 7/4/13.

Recipes/PGEs to be executed :

Recipe	Version	PGE	Version	Type	PGE Name
0Cmcl	2.3.1	301	P2.3.0	OPS	Verified RDR
		302a	P2.3.0.3	OPS	VIIRS L1 Geolocation
		312	P2.3.0	OPS	VIIRS L2G Area Weight
		374	P2.3.0	OPS	VIIRS L2 Nearest Neighbor
1Cmcl	2.3.2	302b	P2.3.0.3	OPS	VIIRS L1 SDR
		392	P2.3.0	OPS	CERES subsetter
		393	C2.3.0	SCI	VIIRS Control Point
		394_1Cmc	C2.3.1	SCI	VIIRS Subsetter
1cmcl	2.3.0	302c	P2.3.0.3	OPS	VIIRS L1 BP SDR
1dmcl	2.3.2	302d	P2.3.0.3	OPS	VIIRS L1 SD SDR
S1mc	2.3.2	396	C2.3.0	SCI	VIIRS L3 Snow Seed
S2mc	2.3.0	397	C2.3.0	SCI	VIIRS L3 VI Static
S3mc	2.3.0	398	C2.3.0	SCI	VIIRS L3 VI Seed
GGAmc	2.3.0	351	P2.3.0	OPS	VIIRS L2 NAAPS Gran
GGNmc	2.3.0	350	P2.3.0	OPS	VIIRS L2 NCEP Gran
GGMmc	2.3.3	353	P2.3.1	OPS	VIIRS L2 Grid-to-Gran
		394GGMmc	C2.3.1	OPS	VIIRS Subsetter
L2amc	2.3.0	330	P2.3.0	OPS	VIIRS L2 Active Fire
L2bmc	2.3.2	303	P2.3.1	OPS	VIIRS L2 CM
		394L2bmc	C2.3.1	SCI	VIIRS Subsetter
L2Smc	2.3.0	332	C2.3.0	SCI	L2 Fire DDR
L1Cmc	2.3.1	306	P2.3.0	OPS	VIIRS L2 COP
		307	P2.3.0	OPS	VIIRS L2 SnowCover
		308	P2.3.0	OPS	VIIRS L2 Ice Quality
		394L1Cmc	C2.3.1	SCI	VIIRS Subsetter

L3Cmcl	2.3.5	383	P2.3.0.1	OPS	VIIRS L2 Aerosols
		311	P2.3.0.1	LPA	VIIRS L2 LSR
		356	P2.3.0.1	LPA	VIIRS L2 VI
		390	C2.3.0	SCI	VIIRS Aeronet Subsetter
		394L3Cmc	C2.3.1	SCI	VIIRS Subsetter
L4mc	2.3.0	349	P2.3.1	OPS	VIIRS L2 Surface Type
		316	P2.3.0	OPS	VIIRS L2 LST
		394L4mc	C2.3.2	SCI	VIIRS Subsetter
L8Cmc	2.3.1	309	P2.3.0	OPS	VIIRS L2 Ice Concentration
		310	P2.3.0	OPS	VIIRS L2 Ice Age
		373	P2.3.0	OPS	VIIRS L2 Ice Surf Temp
		394L8Cmc	C2.3.1	SCI	VIIRS Subsetter
L5Smcl	2.x.x	342	C2.2.6	SCI	L2G
		343	C2.2.4	SCI	L2G SR/LST/VI/AF
		344	C2.2.2	SCI	L2G Snow
		346	C2.2.0	SCI	L3 Daily LST
		347	C2.2.0	SCI	L3 Daily Snow
		352	C2.2.4	SCI	L2G Lite
		333	C2.2.2	SCI	L3 Daily LAI/FPAR
L5pmc	2.2.1	342	C2.2.1	SCI	L2G
		345	C2.2.0	SCI	L2G Sea Ice
		348	C2.2.0	SCI	L2G Daily Snow Ice
L10mcl	2.x.x	361	C2.2.0	SCI	VIIRS 8-Day Fire DDR
		362	C2.2.3	SCI	VIIRS 8-Day LSR DDR
		360	C2.2.0	SCI	VIIRS 8-Day Snow DDR
		334	C2.2.0	SCI	VIIRS 8-Day LAI/FPAR DDR
L11mc	2.2.0	331	C2.2.0	SCI	VIIRS 8-Day LST DDR
L12mcl	2.2.6	363	C2.2.4	SCI	VIIRS 16-Day VI DDR
		364	C2.2.4	SCI	VIIRS 16-Day BRDF DDR
L21mc	2.2.4	375	C2.2.4	SCI	L3 Daily Surf Refl CMG

NOTE: These Recipes are in development, please wait for baselining and/or updates before running.

NPP Test Group Notes

Changes to Test Plan:

Final Plan Approved by:
Date:

Test Started:
Test Completed:
Verified in LAADS

Production Notes:

***Additional Processing Notes:

Outputs to be synched to LAADS:
NPP_AVAF_L2
NPP_CMIP_L2
NPP_CMIP_L2C
NPP_D16BRDF1_L3C
NPP_D16BRDF1_L3D
NPP_D16BRDF2_L3C
NPP_D16BRDF2_L3D
NPP_D16BRDF3_L3C
NPP_D16BRDF3_L3D
NPP_D16BRDF4_L3C
NPP_D16BRDF4_L3D
NPP_D16VI1KM_L3C
NPP_D16VI1KM_L3D
NPP_D16VIHKM_L3C
NPP_D16VIHKM_L3D
NPP_D17LALBIP_L2
NPP_D8AF1KM_L3C
NPP_D8AF1KM_L3D
NPP_D8LFPAR1_L3C
NPP_D8LFPAR1_L3D
NPP_D8LFPARH_L3C
NPP_D8LFPARH_L3D
NPP_D8LSTD_L3C
NPP_D8LSTD_L3D
NPP_D8LSTN_L3C
NPP_D8LSTN_L3D
NPP_D8SCHKD_L3C
NPP_D8SCHKD_L3D
NPP_D8SRF1KM_L3C
NPP_D8SRF1KM_L3D
NPP_D8SRF5KM_L3D
NPP_D8SRFHKM_L3C
NPP_D8SRFHKM_L3D
NPP_DAF1KM_L3C
NPP_DAF1KM_L3D
NPP_DAWIP_L2G
NPP_DGA1KDI_L2GD
NPP_DGA1KD_L2GD
NPP_DGA1KN_L2GD
NPP_DGA1PD_L2GD
NPP_DGA1PN_L2GD

NPP_DGAHKD_L2GD
NPP_DGAHPD_L2GD
NPP_DGAHPN_L2GD
NPP_DICHPD_L2GD
NPP_DICHPN_L2GD
NPP_DIQHPD_L2GD
NPP_DIQHPN_L2GD
NPP_DIST1PD_L2GD
NPP_DIST1PN_L2GD
NPP_DLFPAR1_L3C
NPP_DLFPAR1_L3D
NPP_DLFPAR1T_L3D
NPP_DLFPARH_L3C
NPP_DLFPARH_L3D
NPP_DLFPARHT_L3D
NPP_DLST1KD_L2GC
NPP_DLST1KD_L2GD
NPP_DLST1KN_L2GC
NPP_DLST1KN_L2GD
NPP_DLSTD_L3D
NPP_DLSTD_L3DC
NPP_DLSTN_L3D
NPP_DLSTN_L3DC
NPP_DNBG_L1
NPP_DPT1KDI_L2GD
NPP_DPT1KD_L2GD
NPP_DPT1KN_L2GD
NPP_DPT1PD_L2GD
NPP_DPT1PN_L2GD
NPP_DPTHKD_L2GD
NPP_DPTHPD_L2GD
NPP_DPTHPN_L2GD
NPP_DSCD1KD_L2GC
NPP_DSCD1KD_L2GD
NPP_DSCHKD_L3C
NPP_DSCHKD_L3D
NPP_DSCMHKD_L2GC
NPP_DSCMHKD_L2GD
NPP_DSI1KPD_L3D
NPP_DSI1KPN_L3D
NPP_DSR1KDI_L2GC
NPP_DSR1KDI_L2GD
NPP_DSRF1KD_L2GC
NPP_DSRF1KD_L2GD
NPP_DSRFHKD_L2GC

NPP_DSRFHKD_L2GD
NPP_DSRFLD_L2GC
NPP_DSRFLD_L2GD
NPP_DSTHPD_L2GD
NPP_DSTHPN_L2GD
NPP_DVAF1KD_L2GC
NPP_DVAF1KD_L2GD
NPP_DVAF1KN_L2GC
NPP_DVAF1KN_L2GD
NPP_DVIHKD_L2GC
NPP_DVIHKD_L2GD
NPP_DVSNICIP_L3
NPP_DVSNICIP_L3C
NPP_GRCDNE_L1
NPP_GRCIAE_L1
NPP_GRCMAE_L1
NPP_IARNSS_L1
NPP_IMFT_L1
NPP_MARNSS_L1
NPP_MOFT_L1
NPP_QMMVIIP_L2
NPP_QSIP_L2
NPP_QSLWMIP_L2
NPP_SRFLIIP_L2
NPP_SRFLIIP_L2C
NPP_SRFLIP_CMG
NPP_SRFLISSIP_L2
NPP_SRFLMIP_L2
NPP_SRFLMIP_L2C
NPP_SRFLMSSIP_L2
NPP_UDGTGIP_L1
NPP_VAFIP_L2
NPP_VAFIP_L2C
NPP_VAFIRE_L2C
NPP_VAFIRE_L2D
NPP_VAMIIP_L2
NPP_VAMIIP_L2C
NPP_VAOTHIP_L2
NPP_VAOTIP_L2
NPP_VAOTIP_L2C
NPP_VAOT_L2
NPP_VBPXIP_L2
NPP_VCDGIP_L1
NPP_VCOPIP_L2
NPP_VCOPIP_L2C

NPP_VDNE_L1
NPP_VDNE_L1C
NPP_VGAERO_L2
NPP_VGCP_L2
NPP_VIAE_L1
NPP_VIAE_L1C
NPP_VICIP_L2
NPP_VICIP_L2C
NPP_VIIRS_L0
NPP_VIMD_SS
NPP_VIQIP_L2
NPP_VIRTIP_L2
NPP_VIRTIP_L2C
NPP_VIST_L2
NPP_VIST_L2C
NPP_VIWIP_L2
NPP_VIWIP_L2C
NPP_VLST_L2
NPP_VLST_L2C
NPP_VMAE_L1
NPP_VMAE_L1C
NPP_VNDVIIP_L2
NPP_VNNIIP_L2
NPP_VOBCIP_L1
NPP_VRVI_L2
NPP_VRVI_L2C
NPP_VSCD_L2
NPP_VSCD_L2C
NPP_VLAIP_L2C
NPP_VLST_L2
NPP_VLST_L2C
NPP_VMAE_L1
NPP_VMAE_L1C
NPP_VNDVIIP_L2
NPP_VNNIIP_L2
NPP_VOBCIP_L1
NPP_VRVI_L2
NPP_VRVI_L2C
NPP_VSCD_L2
NPP_VSCD_L2C
NPP_VSCM_L2
NPP_VSCM_L2C
NPP_VSDHIP_L1
NPP_VSIC_L2
NPP_VSIC_L2C

NPP_VSNICIP_L2
NPP_VSTIP_L2
NPP_VSTIP_L2C
NPP_VSUM_L2
NPP_VSUM_L2C
NPP_VSUT_L2
NPP_VSUT_L2C
NPP_WCTTIP_L2
NPP_WCTTIP_L2C

Test Results:

Data Set Removal Information
Date:
Approved by: