Test Number: NISE_Impact_study_testplan

Date Initiated: 02/13/15

Date Revised: 02/18/15, to add PGEs for execution

Discipline: All

Test Title: Evaluation of incorrect vs correct NISE inputs

Test Objective: To execute the C1.1 series of PGEs through CloudMask using the revised PGE396 so the proper NISE inputs are staged to compare results to those originally generated in C1.1.

Test Time Intervals:

2013193 – 2013201
2013337 – 2013345
2014137 - 2014145

Machine/Archive Set: ops4, Data Analyst discretion

Related Test(s):

Baseline DataSet: AS3110

Input DataSet: Input datasets from AS3110 or 1, as appropriate

Actions: (special notes or processes)

1. From AS3110 or 1 on LAADS Clone the following to the test Archive:

NP5_RVIRS_L0
NPP_TLE
NPP_USNOPW
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

NOTE: For both the NCEP files, please buffer the 8-day test periods by 1 to 2 data days so that ample inputs are staged.

2. Establish a clone of the NISE Ancillary data from LAADS, for all three 8-day periods, plus a buffer of 2 days on either side.

3. 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 above 3 file sets are the same sets used for the AS3110 reprocessing. Once cloned, the NppSeedFileUsage database table will need entries for the above seed files added to it for ArchiveSet to be used.

4. Clone the NPP_D16SNDVI_L3D products from AS3110 with the following StartDates:
06/18/13
11/25/13
05/01/14

Special processing notes for S1mc and GGMmc Recipes:

1. NPP_S1mc/Daily SnowIce Seed File PGE, will need to be run for 8-day periods shifted to the left by one day as the downstream PGEs use the prior day products as inputs. This makes the data periods that the S1mc gets executed for:
   2013192 – 2013200
   2013336 – 2013344
   2014136 - 2014144

2. NPP_GGMmc needs to be executed for profiles 5, 7, and 8 only.
3. To support running LST, we need to run NPP_GGMmc for profile 6 as well.

Recipes/PGEs to be executed:

Recipe	Version	PGE	Version	Type	PGE Name
0Cmcl	2.3.12	301	P2.3.0	OPS	Verified RDR
		302a	P2.3.3.2	OPS	VIIRS L1 Geolocation
		312	P2.3.0	OPS	VIIRS L2G Area Weight
		374	P2.3.0	OPS	VIIRS L2 Nearest Neighbor
1Cmcl	2.3.12	302b	P2.3.3.2	OPS	VIIRS L1 SDR
		392	P2.3.1	OPS	CERES subsetter
		393	C2.3.0	SCI	VIIRS Control Point
		394_1Cmc	C2.3.2	SCI	VIIRS Subsetter
S1mc	2.4.0	396	C2.4.0	SCI	VIIRS L3 Snow Seed
GGMmc	2.3.3	353	P2.3.1	OPS	VIIRS L2 Grid-to-Gran
		394GGMmc	C2.3.1	OPS	VIIRS Subsetter

GGNmc	2.3.0	350	P2.3.0	OPS	VIIRS L2 NCEP Gran
GGAmc	2.3.0	351	P2.3.0	OPS	VIIRS L2 NAAPS Gran
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
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	2.3.8	383	P2.3.0.2	OPS	VIIRS L2 Aerosols
		311	P2.3.0.1	LPA	VIIRS L2 LSR
		356	P2.3.0.1	LPA	VIIRS L2 VI
		390	C2.4.1	SCI	VIIRS Aeronet Subsetter
		394L3Cmc	C2.3.2	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

Additional NPP Reprocessing Notes

Outputs to be synched to LAADS:

NPP_CMIP_L2
NPP_CMIP_L2C
NPP_VICIP_L2
NPP_VICIP_L2C
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_VRVI_L2
NPP_VRVI_L2C
NPP_VSCD_L2
NPP_VSCD_L2C
NPP_VSCM_L2
NPP_VSCM_L2C
NPP_VSIC_L2
NPP_VSIC_L2C
NPP_VSTIP_L2

NPP_VSTIP_L2C

Data Set Removal Information
Date:
Approved by: