Test Description: Execution of J1 chain and SNPP chain of PGEs to evaluate implementation of Noisy Detector QF.

<u>J1 LUTS that will be used for GEO runs are:</u>
VIIRS_J1_CMN_LUT_v3.0.0.5_20190429_vcst.nc
VIIRS_J1_GEO_LUT_v3.0.0.3-RPY6_vcst.nc

<u>J1 L1B LUTs that will be used are:</u>
VIIRS_J1_CAL_DNB_DYNAMIC_LUT_20180106_20190622_v3.0.0.5_20190429_vcst.nc
VIIRS_J1_CAL_RSB_DYNAMIC_LUT_20171213_20190629_v3.0.0.5_20190429_vcst.nc
VIIRS_J1_CAL_STATIC_LUT_v3.0.0.5_20190429_vcst.nc
VIIRS_J1_CAL_STRAYLIGHT_DYNAMIC_LUT_20180117_20190404_v3.0.0.5_20190429_vcst.nc
VIIRS_J1_CMN_LUT_v3.0.0.5_20190429_vcst.nc

<u>SNPP LUTs that will be used for GEO runs are:</u>
VIIRS_NPP_GEO_LUT_20130425152500_vcst.nc
VIIRS_NPP_CMN_LUT_v3.0.0-rc5.5_20180608_vcst.nc (for summer period)
VIIRS_NPP_CMN_LUT_v3.0.0-rc5.6_20180713_vcst.nc (also for summer)
VIIRS_NPP_CMN_LUT_v3.0.0-rc5.10_20181206_vcst.nc (winter period)
VIIRS_NPP_CMN_LUT_v3.0.0-rc5.11_20190104_vcst.nc (also for winter)

<u>SNPP L1B LUTs that will be used are:</u>
VIIRS_NPP_CAL_DNB_DYNAMIC_LUT_20120121_20180728_v3.0.0-rc5.5_20180608_vcst.nc
VIIRS_NPP_CAL_RSB_DYNAMIC_LUT_20120103_20180728_v3.0.0-rc5.5_20180608_vcst.nc
VIIRS_NPP_CAL_STATIC_LUT_v3.0.0-rc5.5_20180608_vcst.nc
VIIRS_NPP_CAL_STRAYLIGHT_DYNAMIC_LUT_20120123_20180713_v3.0.0-rc5.5_20180608_vcst.nc
VIIRS_NPP_CMN_LUT_v3.0.0-rc5.5_20180608_vcst.nc

VIIRS_NPP_CAL_DNB_DYNAMIC_LUT_20120121_20180901_v3.0.0-rc5.6_20180713_vcst.nc
VIIRS_NPP_CAL_RSB_DYNAMIC_LUT_20120103_20180825_v3.0.0-rc5.6_20180713_vcst.nc
VIIRS_NPP_CAL_STATIC_LUT_v3.0.0-rc5.6_20180713_vcst.nc
VIIRS_NPP_CAL_STRAYLIGHT_DYNAMIC_LUT_20120123_20180713_v3.0.0-rc5.5_20180608_vcst.nc
VIIRS_NPP_CMN_LUT_v3.0.0-rc5.6_20180713_vcst.nc

VIIRS_NPP_CAL_DNB_DYNAMIC_LUT_20120121_20190223_v3.0.0-rc5.10_20181206_vcst.nc
VIIRS_NPP_CAL_RSB_DYNAMIC_LUT_20120103_20190223_v3.0.0-rc5.10_20181206_vcst.nc
VIIRS_NPP_CAL_STATIC_LUT_v3.0.0-rc5.10_20181206_vcst.nc
VIIRS_NPP_CAL_STRAYLIGHT_DYNAMIC_LUT_20120123_20190204_v3.0.0-rc5.10_20181206_vcst.nc

VIIRS_NPP_CMN_LUT_v3.0.0-rc5.10_20181206_vcst.nc

VIIRS_NPP_CAL_DNB_DYNAMIC_LUT_20120121_20190330_v3.0.0-rc5.11_20190104_vcst.nc
VIIRS_NPP_CAL_RSB_DYNAMIC_LUT_20120103_20190330_v3.0.0-rc5.11_20190104_vcst.nc
VIIRS_NPP_CAL_STATIC_LUT_v3.0.0-rc5.11_20190104_vcst.nc
VIIRS_NPP_CAL_STRAYLIGHT_DYNAMIC_LUT_20120123_20190204_v3.0.0-rc5.11_20190104_vcst.nc
VIIRS_NPP_CMN_LUT_v3.0.0-rc5.11_20190104_vcst.nc

Machine/Archive Set: ops4, AS3265

Test Date: 05/06/19

Test Time Interval(s):
2018193 – 2018201
2019001 - 2019009

Related Test:

Input DataSet:
Inputs from LAADS AS1:
VIIRSNP00T000
VIIRSNP00T008
VIIRSNP00T011
VIIRSNP00TSCI
VIIRSJ100T000
VIIRSJ100T008
VIIRSJ100T011
VIIRSJ100TSCI
NCEP_GFS03_VGD
NCEP_GFS06_VGD
NCEP_GFS09_VGD
NCEP_GFS12_VGD
NCEP_GFS15_VGD
NCEP_GFS18_VGD
NCEP_GFS21_VGD
NCEP_GFS24_VGD
NISE

MYD13A2 (same set as used on ops4 AS5000 for 2018 processing)
NPP_QMMVIIPS_L3 (start time is 1/1/15)
NPP_QSTIPS_L3 (start time is 1/1/15)
NPP_QSTLWMIPS_L3 (start time is 1/1/15)

SNPP Recipes/PGEs to be processed:

Recipe	Start/End Profile	Version	PGE	PGEVersion	PGE Name
VNP_S1m7***	1/1	1.0.1	596	1.0.2	Snow Ice Seed Generator
VNP_S2m7***	1/1	1.0.1	597	1.0.2	VI Seed Initiator
VNP_S3m7***	1/1	1.0.1	598	1.0.2	VI Seed Generator
VNP_00m7	1/1	2.0.1	595	2.0.1	L0 Merger/Splitter
VNP_0m7	1/1	3.0.4	500	3.0.6	L1A
VNP_1Gam7	1/1	3.0.11	501	3.0.17	Geolocation
VNP_1bm7	1/1	3.0.12	502	3.0.17	L1B
			502B	3.0.17	L1B Browse
			560	1.0.9	ControlPoint
VNP_AWm7	1/1	1.0.3	506	1.0.3	Area Weight
VNP_GGNm7	1/1	1.0.4	550	1.0.4	NCEP granulation
VNP_GGMm7	1/5	1.0.5	553	1.0.3	Grid-to-Gran
VNP_L2m7	1/1	1.0.11	503	1.0.10	Cloud Mask
			505	1.0.9	IST
			507	1.0.12	Snow Cover
VNP_L3m7	1/1	1.0.20	504	1.0.11	AOT
			511	1.0.22	L2 LSR
			590	1.0.6	Aeronet Subsetter
			509	1.0.6	L2 DNB Refl
VNP_L4m7	1/1	1.0.7	616	1.0.9	L2 LST
VNP_L21m7	1/1	1.0.4	575	1.0.12	LSR CMG

JPSS1 Recipes/PGEs to be processed:

Recipe	Start/End Profile	Version	PGE	PGE Version	PGE Name
VJ1_S1m7***	1/1	1.0.1	596	1.0.2	Snow Ice Seed Generator
VJ1_S2m7***	1/1	1.0.1	597	1.0.2	VI Seed Initiator
VJ1_S3m7***	1/1	1.0.1	598	1.0.2	VI Seed Generator
VJ1_00m7	1/1	2.0.1	595	2.0.1	L0 Merger/Splitter
VJ1_0m7	1/1	2.0.1	500	3.0.6	L1A
VJ1_1Vam7	1/1	2.0.2	501	3.0.17	Geolocation

VJ1_1bm7	1/1	2.0.2	502	3.0.17	L1B
			502B	3.0.17	L1B Browse
			560	1.0.9	ControlPoint
VJ1_AWm7	1/1	1.0.3	506	1.0.3	Area Weight
VJ1_GGNm7	1/1	1.0.5	550	1.0.5	NCEP granulation
VJ1_GGMm7	1/5	1.0.6	553	1.0.4	Grid-to-Gran
VJ1_L2m7	1/1	1.0.13	503	1.0.10	Cloud Mask
			505	1.0.9	IST
			507	1.0.12	Snow Cover
VJ1_L3m7	1/1	1.0.18	504	1.0.11	AOT
			511	1.0.22	L2 LSR
			590	1.0.6	Aeronet Subsetter
VJ1_L4m7	1/1	1.0.0	616	1.0.9	L2 LST
VJ1_L21m7	1/1	1.0.4	575	1.0.12	LSR CMG

Processing NOTES:
For both SNPP and JPSS1, the S1m7, S2m7, and S3m7 Recipes will need to be run for the seed files to be present. The S1m7 will need to be processed for each data day in the test periods defined, plus the day before.

S2m7 will need to be run for 1/1/18 and 1/1/19.

S3m7 will need to be run for:

StartTime	EndTime
2018-06-18	2018-07-04
2018-07-04	2018-07-20
2018-12-11	2018-12-27
2018-12-27	2019-01-09

Outputs to go to LAADS:

VJ102DNB
VJ102DNBC
VJ102GDC
VJ102IMG
VJ102IMGC
VJ102MOD
VJ102MODC
VJ102OBC

VJ103DNB
VJ103IMG
VJ103MOD
VJ104E_L2
VJ104_L2
VJ104_L2C
VB109
VJ109
VJ109C
VJ109SS
VJ135_L2
VJ135_L2C
VJ1AMI_L2
VJ1AMI_L2C
VJ1AW
VJ1GCP
VJ1SUM_L2
VJ1SUM_L2C
VJ1_AIRTIP_L2
VJ1_COZIP_L2
VJ1_D16SNDVI_L3D
VJ1_DSNICS_L3D
VJ1_PRESIP_L2
VJ1_PRWIP_L2
VJ1_QMMVIIP_L2
VJ1_QSIP_L2
VJ1_QSLWMIP_L2
VJ1_SHASIP_L2
VJ1_SNDVI_L3D
VJ1_TERRHTIP_L2
VJ1_VNDVIIP_L2
VJ1_VSNICIP_L2
VJ1_WDIRIP_L2
VJ1_WSPDIP_L2
VJ109CMA
VJ109CMG
B_VJ109CMG
VB109CMG
VJ121
VJ121C
B_VJ121
VB121
VJ110
VJ110C
VB110
B_VJ110
VJ130
VJ130C
VB130
B_VJ130

VNP02DNB
VNP02DNBC
VNP02GDC
VNP02IMG
VNP02IMGC
VNP02MOD
VNP02MODC
VNP02OBC
VNP03DNB
VNP03IMG
VNP03MOD
VNP04E_L2
VNP04_L2
VNP04_L2C
VBN09
VNP09
VNP09C
VNP09SS
VNP35_L2
VNP35_L2C
VNPAMI_L2
VNPAMI_L2C
VNPAW
VNPGCP
VNPSUM_L2
VNPSUM_L2C
VNP_AIRTIP_L2
VNP_COZIP_L2
VNP_D16SNDVI_L3D
VNP_DSNICS_L3D
VNP_PRESIP_L2
VNP_PRWIP_L2
VNP_QMMVIIP_L2
VNP_QSIP_L2
VNP_QSLWMIP_L2
VNP_SHASIP_L2
VNP_SNDVI_L3D
VNP_TERRHTIP_L2
VNP_VNDVIIP_L2
VNP_VSNICIP_L2
VNP_WDIRIP_L2
VNP_WSPDIP_L2
VNP09CMA
VNP09CMG
B_VNP09CMG
VBN09CMG
VNP21
VNP21C
B_VNP21

VBN21
VNP10
VNP10C
VBN10
B_VNP10
VNP30
VNP30C
VBN30
B_VNP30