C6.1 Reprocessing: Product Changes and Schedule

Updated 03/18/2019
C6 Reprocessing (June 2019)

  - Currently in Testing and Integration
- MxD16A2GF and MxD16A3GF: 8-day and Annual Evapotranspiration using Gap filled LAI-FPAR (June 2019)
  - In Science Test
- MxD17A2GF and MxD17A3GF: 8-day and Annual GPP/NPP using Gap Filled LAI-FPAR (June 2019)
  - In Science Test
C61 Reprocessing: L1B Changes and Status

• C61 L1B and Geo: Ready
• Polarization Correction: Ready
  • New Coefficients and detrending factors implemented and tested
  • Significant trend seen in data after 2015 while using these coefficients for polarization correction.
  • Revised coefficients and detrending factors needed to process 2016 and onwards
  • Use of this revised coefficients in the forward starting in 2016 will not require reprocessing of prior mission period
C61 Reprocessing: Product Specific Changes and Status

• Snow (MxD10): Ready
  • Minor code change to L2
  • Add new product Cloud Gap Filled Daily L3 Snow (MxD10A1F)

• LC (MCD12Q1 and MCD12Q2): Awaiting Delivery June 2019
  • Minor fix to UMD Land Cover Class in C6 MCD12Q1/C1
  • Known issue in C6 MCD12Q2

• VI (MxD13 Suite): Ready
  • All changes operational in C6 forward processing

• Evapotranspiration (MxD16) and GPP/NPP (MCD17): Science Test
  • Use Climatology LAI/FPAR as back up to the operational LAI-FPAR
C61 Reprocessing: Product Specific Changes and Status

• DSR/PAR (MCD18): Science Test
  • Change in resolution of tiled product from 5km to 1km
  • Add CMG products

• MAIAC (MCD19): Delivery expected in March/April 2019
  • Add 250m resolution bands (PGE12/PGE135 and PGE113)
  • Generate MCD19A3 as daily product

• LST (MxD21): Integration Testing
  • Use GEOS data replacing MERRA2
  • Add CMG products (MxD21C1/C2/C3)
C61 Reprocessing: Science Tests

- Science Test 1: C61 Baseline test
  - Test of C61 PGEs using C6 – Completed

- Science Test 2: Chain test using C61 L1B and Polarization Correction
  - Used prior set of coefficients - Completed

- Science Test: Product specific (in progress – March/April)
  - LST (MxD21)
  - DSR/PAR (MCD18)
  - ET and GPP/NPP (MxD16 and MxD17)

- Land Chain Test (April/May 2019)

- Start of C6 Reprocessing (June/July 2019)