

C6.1 Reprocessing: Product Changes and Schedule

Updated 03/18/2019

C6 Reprocessing (June 2019)

- MCD18A1/A2 (Daily DSR/PAR): Forward Processing starting with 2018001 (March 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 Test2: 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)