# Earthdata UTC Meeting 07.05.2016

## 1. Attendance

Please make a comment at the bottom of this agenda to record your attendance.

## 2. EMS Status

Nelson Casiano

- **Upcoming/Ongoing Activities with Data Providers**
  - EMS Release 1.4.0 - URS Fixes in EMS
    - Includes: Retrieving Primary Study Area and Country from URS to associate with URS-enabled records. Also added a LoginType field to easily identify URS records for EMS reports
    - We are planning to move EMS 1.4.0 into Production next week
  - System Performance Improvements
    - Testing performance improvement changes in UAT. Changes include modifications to EMS to allow some processes to execute in parallel and some software enhancements to improve some of the database queries.
  - Search Expressions
    - We are seeing a lot of problems with the search expressions for some data providers. We will contact these data providers to see if we can help fix these problems.

## 3. Earthdata Login

Peter Smith

- **URS Integration Information on SSO and the API's can be found on** Wiki
- **DAAC On-boarding Status and Integration Schedule can be found on** Wiki
  - Please get in touch (Peter Smith) if you are having trouble accessing any of the Wiki areas.
- **URS4 Development**
  - Current increment PI1.2
  - In Production (Release 4.50)
- Earthdata Login public wiki

### Sprint Status

| Sprint | Start Date | Release | UAT Date | OPS Date |
|---|---|---|---|---|
| **PI1.2** | 04 Jul 2016 | | | |
| PI1.1 | 20 Jun 2016 | | | |
| 2.74 | 06 Jun 2016 | 4.51 | | |
| 2.73 | 23 May 2016 | **4.50** | 09 Jun 2016 | 16 Jun 2016 |


- 1. Attendance
- 2. EMS Status
- 3. Earthdata Login
- 4. Earthdata
- 5. User Support Tool
- 6. CMR/ECHO/Earthdata Search/MMT
  - CMR/ECHO System Status
  - CMR Release Status
  - Earth Data Search Release Status
  - Metadata Management Tool Release Status
- 7. GIBS
- 8. Worldview
- 9. Open Floor
- 10. Special Topic


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| | | | | |
|---|---|---|---|---|
| 2.72 | 09 May 2016 | 4.49 | 26 May 2016 | 02 Jun 2016 |
| 2.71 | 25 Apr 2016 | 4.48 | 12 May 2016 | 19 May 2016 |
| 2.70 | 11 Apr 2016 | 4.47 | 28 Apr 2016 | 05 May 2016 |

## Ticket Status

| Ticket | Sprint |
|---|---|
| URSFOUR-670 - Error when MMT accesses URS API in UAT | 2.74 |
| URSFOUR-664 - Application image/description does not show up in pre-authorization. | |
| URSFOUR-655 - Include profile 'age' with user profile info. | 2.73 |
| URSFOUR-649 - Reference to 'User Registration System' in Earthdata Login GUI. | 2.72 |
| URSFOUR-643 - Provide a means for an application to require a value for user profile fields. | 2.70 |
| URSFOUR-639 - Improved error message needed. | 2.68 |
| URSFOUR-628 - Accounts locked due to too many login attempts should unlock automatically after a short time interval. | 2.71 |
| URSFOUR-623 - Create a urs page that can act as a test server for clients. | 2.68 |

| | |
|---|---|
| URSFOUR-615 - Improve URS GUI messages for locked accounts | 2.60 |
| URSFOUR-607 - Provide a way to easily migrate production URS users into UAT | 2.60 |
| URSFOUR-594 - Provide an ROPC implementation for URS | 2.58 |
| URSFOUR-593 - Provide a 'User Services' role within URS. | 2.58 |
| URSFOUR-590 - Some of the text is not visible for oauth/authorize and users/app_approve page after EUI changes | 2.57 |

# 4. Earthdata

Nathan Clark Brett McLaughlin Mark Reese

- Continued work on Earthdata Developer Portal
    - CMR documentation
- Earthdata Service Desk enhancements
- Open Sourcing of Conduit

### Key tickets in current sprint

EDP-40
As a user, I can read documentation on specific CMR XML schema formats.

EDP-38
As a user, I can switch to the SIT or UAT instances of the CMR when using t…

ED-1911
Add link to PODAAC and OBDAAC forums to Earthdata (Earthdata Service …

ED-1893
add Data Profiles and Data Chats to the footer (Earthdata Service Desk)

ECON-786
Images in Conduit should be uploaded to the CDN for use in front-end/client…

# 5. User Support Tool

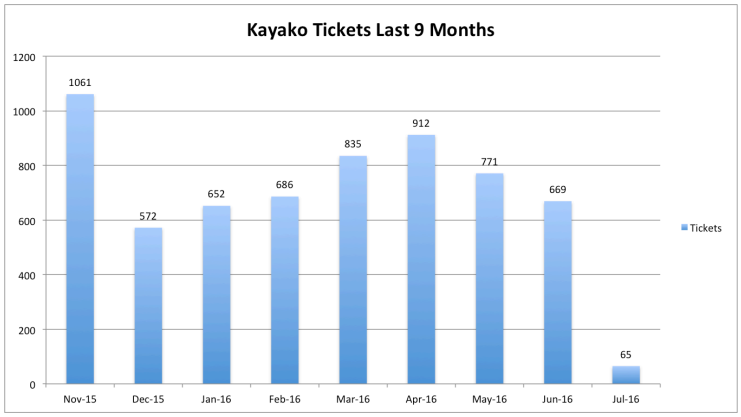
Nemanja Djuric

Activities:

Issues:

**Recent Metrics**

## Kayako Overall Last 9 Months Tickets




## Total Kayako Tickets since last UTC

| | Closed | In Progress | On Hold | Open | Waiting | Waiting for DAAC | Waiting for User |
|---|---|---|---|---|---|---|---|
| ASDC | 12 | 2 | | 27 | | | |
| ASF | 7 | | | | | | |
| CDDIS | | | | 1 | | | |
| ECC | 16 | | | 2 | | | |
| ECHO | 8 | | | 2 | | | |
| Earthdata | 2 | | | | | | 3 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Earthdata Search | 3 | | 1 | | 1 | | |
| FIRMS | 3 | | | 2 | | | |
| GCMD | 5 | | | | | | |
| GES-DISC | | | | 1 | | | |
| GHRC | 5 | | | 1 | | 1 | |
| GIBS | | | | 4 | | | |
| LANCE | 2 | | | | | | |
| LPDAAC | 32 | 6 | | 3 | | 4 | |
| MODAPS | 20 | | | 1 | | | |
| NSIDC | 1 | | | | | | |
| ORNL DAAC | 5 | | | 1 | | | |
| PO.DAAC | 14 | 1 | | 5 | | | |
| PO.DAAC Forum | 2 | | | 9 | | | |
| Rapid Response | 1 | | | | | | |
| Reverb | 6 | | | 3 | | | |
| URS | 55 | | | | | | |
| UUI | | | | 1 | | | |
| Worldview | 5 | | | 6 | | | |
| Total | 204 | 9 | 1 | 69 | 1 | 5 | 3 |

# 6. CMR/ECHO/Earthdata Search/MMT

Catalino Cuadrado

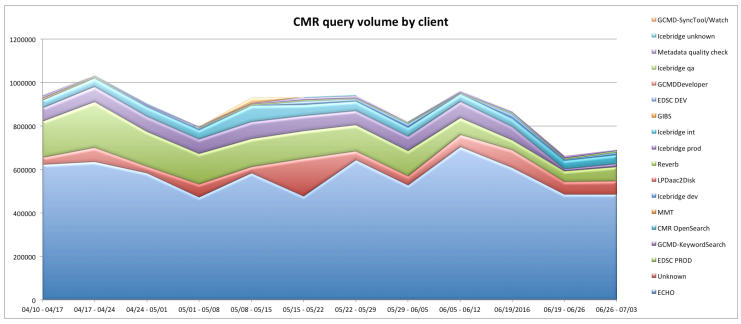
## CMR/ECHO System Status

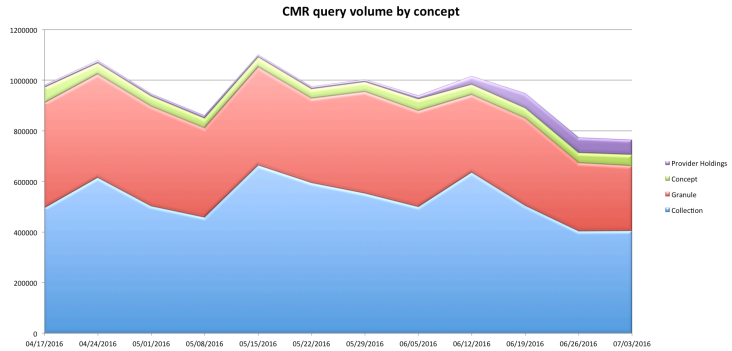
## System Issues

- None

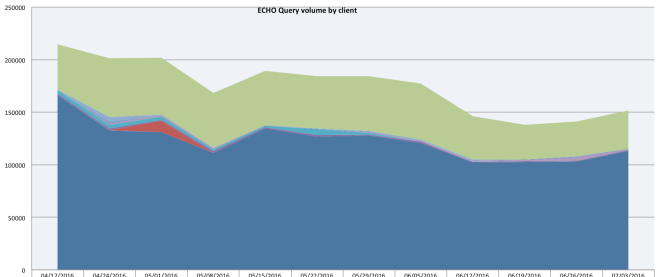
# Recent Metrics

## CMR client usage

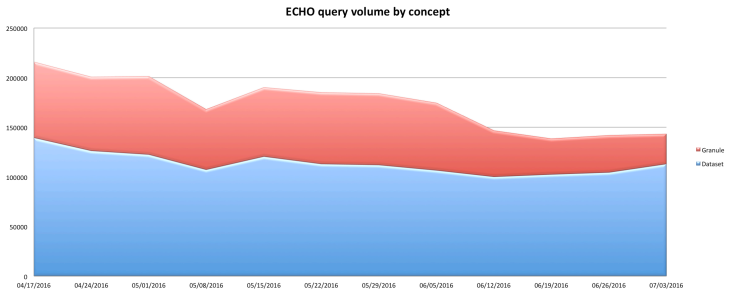


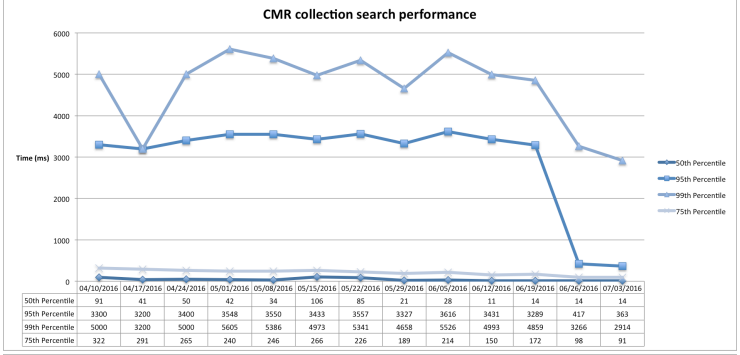

## ECHO Client Usage



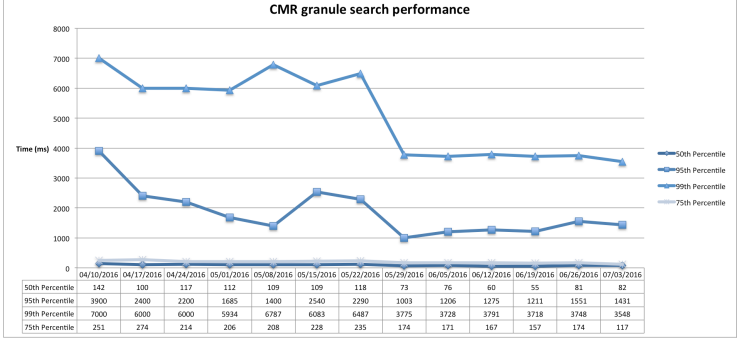

| | 04/17/2016 | 04/24/2016 | 05/01/2016 | 05/08/2016 | 05/15/2016 | 05/22/2016 | 05/29/2016 | 06/05/2016 | 06/12/2016 | 06/19/2016 | 06/26/2016 | 07/03/2016 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Other | 43074 | 55731 | 53984 | 52120 | 51475 | 49671 | 51992 | 53556 | 41259 | 32763 | 32987 | 36269 |
| LPDAAC2DiskCLI | 376 | 5289 | 229 | 320 | 272 | 517 | 785 | 892 | 613 | 301 | 451 | 216 |
| AUTOMOD | 103 | 421 | 68 | 8 | 0 | 316 | 346 | 266 | 282 | 356 | 294 | 295 |
| UAH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | | 0 | 0 |
| CRT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| PUMP | 215 | 1886 | 1434 | 1429 | 199 | 175 | 870 | 509 | 1207 | 931 | 3514 | 768 |
| AVAPC | 3496 | 3223 | 3098 | 1549 | 1549 | 5273 | 1549 | 0 | 0 | | 0 | 0 |
| Worldview | 911 | 1788 | 935 | 1625 | 1096 | 1454 | 766 | 1577 | 549 | 792 | 652 | 596 |
| GSFC54PA | 67 | 68 | 0 | 51 | 42 | 41 | 30 | 10 | 10 | 11 | 24 | 2 |
| GESDISC | 0 | 0 | 10979 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| GMUCWICWrapper | 48 | 33 | 42 | 32 | 62 | 81 | 27 | 25 | 62 | 66 | 146 | 74 |
| Reverb | 166436 | 132773 | 130895 | 111330 | 134537 | 126833 | 127972 | 120666 | 102102 | 102674 | 103119 | 113272 |




## CMR Query Performance




| | 04/10/2016 | 04/17/2016 | 04/24/2016 | 05/01/2016 | 05/08/2016 | 05/15/2016 | 05/22/2016 | 05/29/2016 | 06/05/2016 | 06/12/2016 | 06/19/2016 | 06/26/2016 | 07/03/2016 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 50th Percentile | 91 | 41 | 50 | 42 | 34 | 106 | 85 | 21 | 28 | 11 | 14 | 14 | 14 |
| 95th Percentile | 3300 | 3200 | 3400 | 3548 | 3550 | 3433 | 3557 | 3327 | 3616 | 3431 | 3289 | 417 | 363 |
| 99th Percentile | 5000 | 3200 | 5000 | 5605 | 5386 | 4973 | 5341 | 4658 | 5526 | 4993 | 4859 | 3266 | 2914 |
| 75th Percentile | 322 | 291 | 265 | 240 | 246 | 266 | 226 | 189 | 214 | 150 | 172 | 98 | 91 |




| | 04/10/2016 | 04/17/2016 | 04/24/2016 | 05/01/2016 | 05/08/2016 | 05/15/2016 | 05/22/2016 | 05/29/2016 | 06/05/2016 | 06/12/2016 | 06/19/2016 | 06/26/2016 | 07/03/2016 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 50th Percentile | 142 | 100 | 117 | 112 | 109 | 109 | 118 | 73 | 76 | 60 | 55 | 81 | 82 |
| 95th Percentile | 3900 | 2400 | 2200 | 1685 | 1400 | 2540 | 2290 | 1003 | 1206 | 1275 | 1211 | 1551 | 1431 |
| 99th Percentile | 7000 | 6000 | 6000 | 5934 | 6787 | 6083 | 6487 | 3775 | 3728 | 3791 | 3718 | 3748 | 3548 |
| 75th Percentile | 251 | 274 | 214 | 206 | 208 | 228 | 235 | 174 | 171 | 167 | 157 | 174 | 117 |

## CMR Release Status

### In Production: 1.53

Order by

CMR-3062
UMM-C -> ECHO 10 TilingIdentificationSystems is not being translated to ECHO 10 TwoDCoordinateSystems

CMR-3022
Science Keyword error indexing in UAT

CMR-2189
As a client, I want facet responses to provide links to remove any applied filter when my search used the query parameter API.

CMR-2188
As a client, I want facet responses to include a link at each filter node that provides the search to apply to select that filter node when my search used the query parameter API.

CMR-2187
As a client, I want facet responses to indicate whether a given node has been applied by considering the search parameters supplied.

CMR-2186
As a client, I want to retrieve facets in a simple to parse tree format with group and filter nodes.

## In UAT: 1.54

CMR-3185
Failure to update indexes during index alias update

CMR-3183
As a Client User, I want to receive humanized terms within the Facets V2 response so that I can provide more relevant facets to the end user.

CMR-3179
ISO 19115-2 MENDS GranuleSpatialRepresentation ingest to UMM needs to be fixed.

CMR-3177
NSIDC SIPSMetGenVersion Additional Attribute is not being translated from ISO 19115-2 MENDS to UMM

CMR-3167
Fix UMM-C Additional Attributes Date and Time output as DateTime

CMR-3165
Apply links in V2 facets should AND multiple values instead of ORing them.

CMR-3124
As a Client User, I can search for collections by matching a value within a humanized data center using a parameter search.

CMR-3122
As a Client User, I can search for collections by matching a value within a humanized processing level using a parameter search.

CMR-3120
As a Client User, I can search for collections by matching a value within a humanized project using a parameter search.

CMR-3119
As a Client User, I can search for collections by matching a value within a humanized science keywords using a parameter search.

CMR-3118
As a Client User, I can search for collections by matching a value within a humanized instrument using a parameter search.

CMR-3117
As a Client User, I can search for collections by matching a value within a humanized platform using a parameter search.

CMR-3068
Between 15 and 20 minutes past the hour, every hour 99th and 95th percentile performance spikes

CMR-3060
Poor performance in Elasticsearch during wildcard queries with prefixes

CMR-3041
Change DIF default values to "Not provided"

CMR-2883
Move UMM Collection validation to UMM Spec Lib

CMR-2882
As a Client User, I want my collection metadata validated against the UMM-C JSON Schema to ensure that my metadata is valid UMM-C data.

CMR-2868
Searching for a UMM-1.1 ingested document doesn't translate to UMM-1.2 when requested

CMR-2197
As a client, I want facet responses to allow for removing filters that have been applied, but resulted in 0 results found.

CMR-2191
As a client, I want facets by default to include no more than 2 levels of children nodes rather than the full hierarchy.

CMR-2189
As a client, I want facet responses to provide links to remove any applied filter when my search used the query parameter API.

CMR-2187
As a client, I want facet responses to indicate whether a given node has been applied by considering the search parameters supplied.

# Earth Data Search Release Status

Key issues worked in EDSC 1.22

- Humanized facets
- Readying EDSC for deployment into NGAP

## In Production: 1.21

Order by

EDSC-1080
Searching with "ASTER" returns internal error

EDSC-1075
500 Error when Accessing Download Links for MOD11A2

EDSC-1070
Integrate AST_L1T test granule imagery into Earthdata Search

EDSC-1030
Earthdata Search - granule wildcard search option appears not to work (Earthdata Search)

EDSC-770
As a user, I should be able to constrain my search by entering point coordinates so I may filter by known numeric coordinates

EDSC-384
As a user, I should be able to constrain my search by entering bounding box coordinates so I may filter by known numeric coordinates

## In UAT: 1.22

Order by

EDSC-1116
Action buttons on granule/collection list partially covers "# granules" and short_name when it is long enough

EDSC-1085
As a user, I want to see the deployment version of Earthdata Search in its cloud-deployed environments so I may know what version of the software is running

EDSC-1075
500 Error when Accessing Download Links for MOD11A2

## Metadata Management Tool Release Status

### In Ops: 1.27

Order by

MMT-654
500 error when I click on 'Groups' on the Manage CMR page

MMT-650
Add confirmation to Delete Order Policies button

MMT-630
Publication confirmation emails not delivered via some mail servers

MMT-627
MMT displays more than user id when logged in

MMT-622
Preview page header doesn't gracefully handle non-picklist values

MMT-621
Add short name and version ID to email receipt

MMT-605
As a Provider, I want to view a summary list of my provider orders.

MMT-564
As a Provider, I want to remove the assignment of a data quality summary from one or more collections.

MMT-563
As a Provider, I want to update an existing data quality summary.

MMT-555
As a user, I should see a validation message when an existing metadata value does not match a dropdown option

MMT-136
As a Provider, I want to search for a provider order by specifying its order id.

MMT-134
As a CMR Administrator, I want to deactivate the Secure Socket Layer (SSL) certificate for a Provider.

MMT-133
As a CMR Administrator, I want to set the Secure Socket Layer (SSL) certificate for a Provider.

**Because of the PI planning, MMT work has been suspended starting with Sprint 28 so no new deployments to UAT at this time.**

**Upcoming PMs**

**7-06-2016**

- **CMR  1.53 to PROD, 1.54 to UAT**
- **MMT 1.27 to PROD**
- **EDSC 1.21 to PROD, 1.22 to UAT**
- **ECHO 10.125 to OPS, 10.126 to UAT**

**7-20-2016**

- **CMR 1.54 to PROD, 1.55 to UAT**
- **EDSC 1.22 to PROD, 1.23 to UAT**
- **ECHO 10.126 to OPS, 10.127 to PT**
- **No MMT deployment.**

# 7. GIBS

Matthew Cechini

- **General Items**
  - UAT Test Environment - Finishing testing of updated code & configuration updates this week. Imagery review will now be performed in this environment starting this week.
  - ICD Revision 2 - CCR has been initiated. Reviewing final artifacts for release before the next UTC.
- **New/Planned Products**
  - Landsat WELD
    - Ongoing processing of full resolution True Color and NDVI imagery. (Completed 2009. Beginning 2010)
  - MODIS Collection 6 - Atmosphere & Land Reprocessing
    - Atmosphere STD Reprocessing - 2016-2006 Completed. Processing 2004-2003. Projecting completion this month!
    - Atmosphere NRT Forward Processing - Completed initial testing in SIT. Pending formal testing in July.
    - Land L2 - Preparing "is everything still working" month test before full reprocessing begins in the next month.
    - Land L3 - Coordinating with MODAPS on first phase of sample imagery
  - Non-BEDI Imagery Products
    - Testing colormap/delivery updates to OMI AOD NRT products
    - Testing colormap/delivery updates to GPM STD and new GPM/IMERT NRT products
    - Testing delivery of new MISR-NRT high-res products
    - Pending testing for AMSR2 Land NRT products
  - BEDI Activities - Actively working towards operationalization of the following products:
    - OMI/AIRS/MERRA/LDAS - GESDISC
      - Awaiting historical reprocessing of OMI
      - Coordinating AIRs/MERRA/LDAS colormaps
    - RSS/LIS - GHRC
      - Performing historical reprocessing
    - MOPITT/CERES/MISR - ASDC
      - Performing historical reprocessing
    - ASTER L1T - LPDAAC
      - Coordinating granule access with EDSC.
    - Aquarius/MEaSUREs/SSMI - NSIDC
      - Reviewing historical processing with DAAC.
      - Will be released to production after review.
    - Aquarius/MODIS PODAAC
      - Coordinating colormaps prior to initial ingest testing

Alex De Luca Jerome King

- **GIBS Production Status**

- No major issues in production
- Minor issues:
  - One user has reported a potential issue with GIBS/Worldview with Windows 10.
- Completed:
  - Back processing Orbit Tracks: ISS, Terra, Aqua, Aura, CALIPSO, GOSAT, Suomi NPP, GCOM-W1, Landsat 8, GPM
- In progress:
  - Image download: layer order is not always correct causes issues in Google Earth.
  - Legacy release with major updates to all legacy scripts:
    - Update WMS/HTTP/SIPS handlers to support partial update
    - Update Hybrid FTP handler to perform in-place updates
    - Adding product name to all sigevent messages.

# 8. Worldview

Taylor Gunnoe

- Releases
    - Worldview 1.1, released June 22
    - Worldview 1.2 "Natural Events" waiting for testing
- Rotation of polar views waiting for testing
- Higher resolution Openstreetmap layer updates
- Inital UI work for a feature to show the data value under the cursor
- Documenting more of Worldview for JSDoc
- Additional research for a better template system

## 9. Open Floor

CMR Granule Pattern Search Changes

## 10. Special Topic

pyCMR - Manil Maskey