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

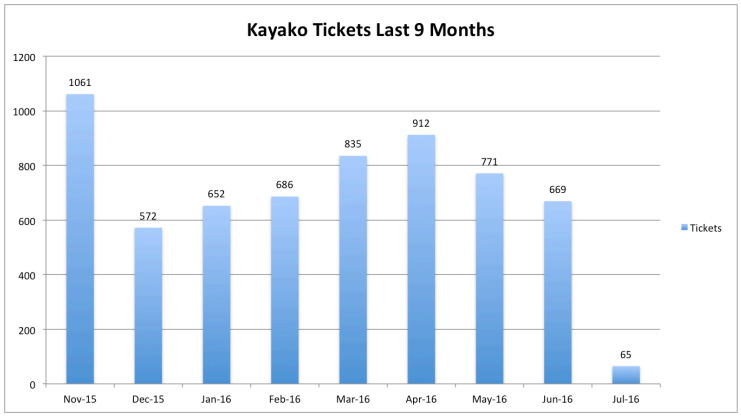
Nemanja Djuric

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

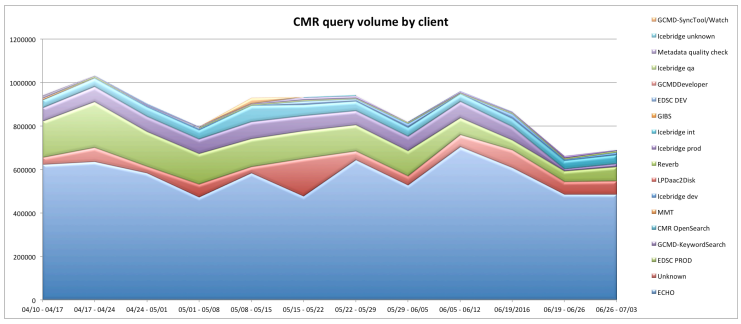
CMR/ECHO System Status

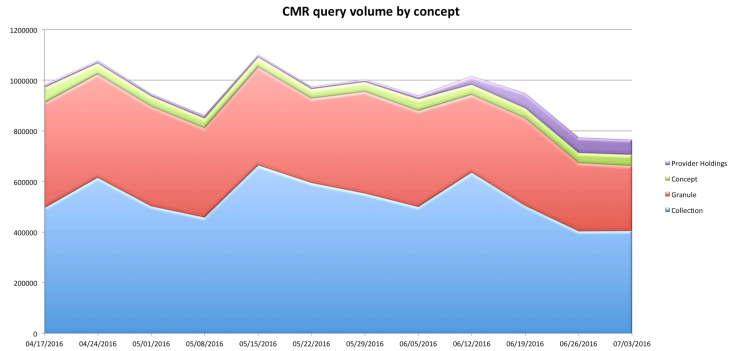
System Issues

- None

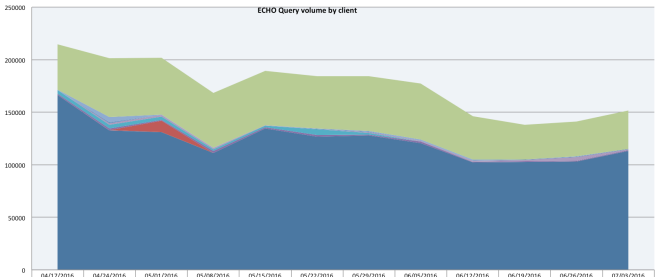
Recent Metrics

CMR client usage

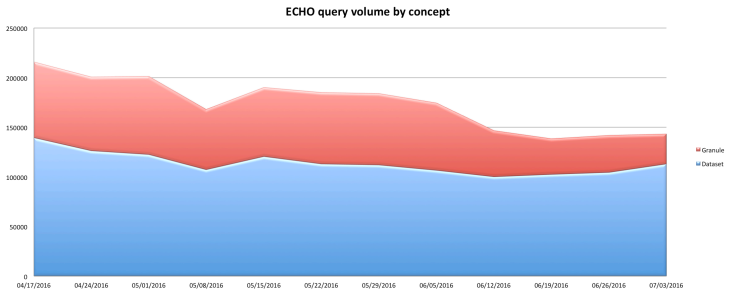




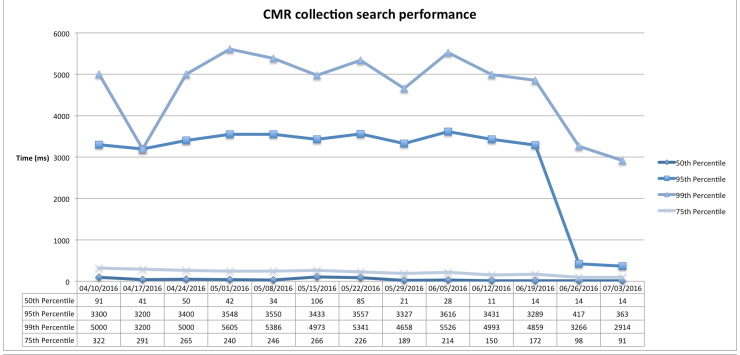
ECHO Client Usage



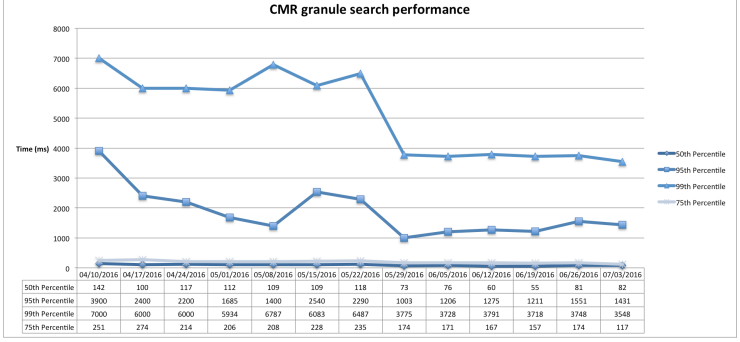
	04/17/2016	04/24/2016	05/01/2016	05/08/2016	05/15/2016	05/22/2016	05/29/2016	06/05/2016	06/12/2016	06/19/2016	06/26/2016	07/03/2016
Other	43074	55731	53984	52120	51475	49671	51992	53556	41259	32763	32987	36269
LPDAAC2DiskCLI	376	5289	229	320	272	517	785	892	613	301	451	216
AUTOMOD	103	421	68	8	0	316	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