

LANCE UWG Meeting 17-18 April 2019

Damon Room, Mesa Lab, National Center for Atmospheric Research

1850 Table Mesa Drive, Boulder, CO 80305



Action Items from the Meeting

1. Diane / Chris to summarize how NRT requirements gets in to missions and what can be done for pre-decadal survey missions. Revisit recommendations from NRT (Langley) workshop. Develop a plan to identify criteria from user community in determining what data is relevant for NRT/LANCE. Planning should happen much earlier in lifecycle--cheaper/easier to implement and plan for. Preferably this would be prior to the decision on which DAAC will archive. Discuss this with ESDS and the mission.
2. Diane / Karen to consider LANCE lite – experimental LANCE to explore latency issues without 3 hour constraint
3. Diane to contact Vanessa as the LANCE POC for soliciting input to the 4 DO working groups. Solicit input from LANCE UWG members
4. David/Tian to send list of identified NRT data relevant to disasters from the A37 call—to facilitate engagement with LANCE. Provide information about the next research and application study meeting will be Aug/Sept—that needs to have LANCE representation.
5. David to recommend to Lawrence / Jack that when ROSES calls have NRT implications that LANCE management are informed of successful proposals. Bi-annual.
6. David to explore opportunity of LANCE Roses call. David to prepare half-page proposal and send to Lawrence.
7. Diane / Karen Investigate possibility of NRT for SAR e.g. Sentinel 1 and NISAR in the context of current production plan (LANCE lite).
8. LANCE outreach
 - a. Dawn to write LANCE Accomplishments article for EO magazine about 10th anniversary of LANCE
 - b. Diane to contact Michael Goodman about Dawn giving a LANCE 10 Year AGU presentation.
 - c. Consider AMS session. Sherry to contact Michael Goodman.
 - d. UWG to seek out non-traditional opportunities to broaden the LANCE outreach e.g.
 - Chile Symposium 2020 (Miguel)
 - Understanding Risk (world bank)
 - e. Diane to coordinate generic slide set and messaging
 - f. Diane to engage with the NASA ES communications including U group
9. Diane/Karen to reach out to to GEONETCast (Paul Seymour, Josh Jankot, Jason Taylor) concerning NOAA's GOES NRT fire-related data.
 - a. Diane to contact Wilfrid Schroeder about GOES fire algorithm
10. Chris to articulate the LANCE data continuity issue.
11. Revisit MODIS to VIIRS transition
 - a. Flood product at next LANCE UWG
 - b. LST clarification – continuity for Hook algorithm
12. Action Robert/Ryan to show prototype of RR swath in NRT from MODIS and VIIRS.
13. Diane/ Karen to add questions on data use to ACSI Survey users. (Do you generate products/services yourself using LANCE? Give details. (So leadership can understand impact of LANCE.)
14. Diane / Karen to ask ARSET to include questions on products generated using LANCE
15. Applied Remote Sensing Program and LANCE share links and develop relationship between websites (Diane and Brock)
16. Vanessa to provide Diane with the latency section of the CAR to LANCE for review

Recommendation that LANCE – FIRMS explores relationship with USFS fire portal and consider including RT fires from USFS/DRL.

Agenda - Day 1

Update on FIRMS

8:30 AM	Registration	
9:00	Karen Michael (NASA ESDIS) and Dan Ziskin (UCAR)	Welcome to Workshop
9:05	Chris Justice (UWG Chair)	Chairs Perspective and Charge for the Meeting
NASA HQ perspective. Earth Science Vision: What's coming up that is relevant to LANCE		
9:15	Alfreda Hall, NASA HQ,	NASA HQ Remarks
9:35	David Green, NASA HQ	Applied Science Perspective on LANCE
9.55	Andrew Mitchell (NASA ESDIS)	Updates from EOSDIS <i>(including updates on the cloud)</i>
Taking stock of LANCE – what has been achieved		
10: 15	Dawn Lowe (NASA ESDIS)	Taking stock of LANCE – The early days: ESDIS management perspective
10.30	Karen Michael (NASA ESDIS)	Taking stock of LANCE – where we are now
10: 45	Diane Davies (NASA ESDIS)	LANCE: metrics and updates
11: 00	coffee break	
Opportunities for collaboration		
11: 30	Kelvin Brentzel (NASA GSFC, DRL)	Direct Readout Laboratory and their provision of NRT data
11: 45	Brad Quayle (remote access)	Updates on active fire monitoring from USFS, possible integration in to and DRL LANCE
12: 05	Diane Davies	
12: 20	Weile Wang	Update on GEONEX including Real-time Active Fire Detections from GOES-16/ABI data
12.30	Discussion	
13: 00	Lunch	
14: 00	Sean Helfrich and Michael Soracco, NOAA	NOAA Coast Watch
14: 20	Jeremy Kirkendall, Disasters GIS Lead, NASA	Demonstration of the Disasters Portal
14: 35	Tian Yao, NASA GSFC	The Relationship between LANCE and NASA Disasters
14: 45	Ryan Boller and Matt Cechini, NASA GSFC	Update from Worldview and GIBS
15: 05	Discussion	
15: 30	Tea Break	
Updates from LANCE Elements		
16: 00	Minnie Wong (NASA ESDIS)	Updates on switch from Rapid Response : Worldview Snapshots and the transition from Rapid Response including. Update on gallery and swath images
16: 15	Feng Ding (NASA GSFC)	AIRS and MLS - Status and planned updates

16:25	Sharon Ray (NASA JPL)	AIRS – Updating algorithms and imagery to meet user needs
16:45	Sherry Harrison (UAH)	AMSR2 and ISS LIS - Updates and progress on operational uses of LIS
17:00	Robert Wolfe (NASA GSFC)	MODIS and VIIRS including an updated on the flood mapping transition - Updates and plans for NOAA 20/JPSS-1
17:20	Tian Yao (NASA GSFC)	Update on Black Marble
17:30	End of Day 1	
7PM	Optional Group Dinner - The Med https://www.themedboulder.com/	

DAY 2 - Please note all times are Mountain Time.

8:45 AM	Check-in	
9:00	Diane Davies / Karen Michael	Welcome back to the Workshop
9:05	Chris Justice	Agenda and follow up discussion from yesterday
Continued Updates from the LANCE elements		
9:15	Dan Ziskin (NCAR)	Measurement of Pollution in the Troposphere (MOPITT) NRT - Updates on MOPITT (TERRA) measuring CO in the upper Troposphere.
9:20	Jess Braun (UWM)	VIIRS Atmosphere - Updates on Cloud mask and Deep Blue Aerosol
9:35	Phil Durbin (NASA GSFC)	OMI and OMP S - Updates and plans for NOAA 20
9:50	Makhan Virdi (NASA ASDC)	MISR - Updates
Input from UWG members		
10:10	Paul Meyers, NASA /MSFC/SPoRT	New LANCE UWG member presentation members on their role / interest in LANCE
10:25	Coffee Break	
10:55	Miguel Roman, USRA	New LANCE UWG member presentation members on their role / interest in LANCE
11:10	Josh Cossuth	New LANCE UWG member presentation members on their role / interest in LANCE
11:25	Other UWG members -	5-10 mins each - provide overview of the user community they represent, how data are used and their view on what NASA should be doing re: NRT data and imagery. • Mike Budde • Vanessa Escobar • Mark Trice • Brock Blevins
12:00	Discussion	
12:15	Lunch	
13:15	Chris Justice	Meeting Wrap up and Summary of Actions
14:20	Gary D'Attilo (NCAR)	NCAR instantiation of Worldview
14:25 – 15:30	Ryan/Minnie/Matt	Worldview & GIBS Session: Depending on UWG - this could be a tutorial and/or a chance for the GIBS / Worldview teams to exchange ideas with the UWG on the representation of LANCE imagery.
Close meeting 15:30		

15:30		Optional tour of NCAR
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File	Modified
Microsoft Word Document LANCE UWG TRANSPORTATION PLAN.docx	Apr 04, 2019 by Diane Davies
PDF File ParkingMap[1].pdf	Apr 04, 2019 by Diane Davies
Microsoft Powerpoint Presentation Black_Marble_LANCE_20190418.pptx	Apr 09, 2019 by TIAN YAO
PDF File Roman_EfSI_Intro_LANCE_UWG_Apr2019.pdf	Apr 11, 2019 by Miguel Roman
Microsoft Powerpoint Presentation PaulMeyer-SPoRTLance2019.pptx	Apr 12, 2019 by Paul Meyer
Microsoft Powerpoint Presentation LANCE UWG Metrics and updates April 2019.pptx	Apr 13, 2019 by Diane Davies
Microsoft Powerpoint Presentation DawnLowe_LANCE_UWG_April_2019.pptx	Apr 15, 2019 by 2c9c95a2430d984601430d98a8c01c5
Microsoft Powerpoint Presentation OMI_OMPS_Lance_04182019.pptx	Apr 15, 2019 by Phillip Durbin
Microsoft Powerpoint Presentation Near Real-Time MOPITT 2019.pptx	Apr 15, 2019 by Daniel Ziskin
PDF File SharonRay.2019.04.13 AIRS-LANCE_UWG.pdf	Apr 16, 2019 by Sharon Ray
Microsoft Powerpoint Presentation TianYao_LANCE-Disasters_UWG_20190417.pptx	Apr 16, 2019 by TIAN YAO
Microsoft Powerpoint Presentation ESDIS Overview for LANCE UWG April 17 2019.pptx	Apr 16, 2019 by Andrew Mitchell
Microsoft Powerpoint Presentation CWApplicationsNASALANCE__HelfrichSoracco_17APR 2019_1400.pptx	Apr 16, 2019 by Minnie Wong
Microsoft Powerpoint Presentation Lance Chair Intro_1.pptx	Apr 16, 2019 by Diane Davies
Microsoft Powerpoint Presentation FIRMS For LANCE UWG.pptx	Apr 16, 2019 by Diane Davies
Microsoft Powerpoint Presentation Michael_LANCE UWG 4_16_19.pptx	Apr 16, 2019 by Karen Michael
PDF File SharonRay-2 AIRS.LANCE-UWG.pdf	Apr 16, 2019 by Sharon Ray
PDF File LANCE April 2019 - B Quayle.pdf	Apr 16, 2019 by Diane Davies
Microsoft Powerpoint Presentation LANCE UWG Metrics and updates April 2019_final.pptx	Apr 16, 2019 by Diane Davies
Microsoft Powerpoint Presentation DRL_LANCE_UWG_4-17-19.pptx	Apr 16, 2019 by Diane Davies
Microsoft Powerpoint Presentation MinWong_Snapshots_LANCEUWG_Apr2019.pptx	Apr 16, 2019 by Minnie Wong
Microsoft Powerpoint Presentation LANCE_UWG_2019-04-18.pptx	Apr 17, 2019 by Sherry Harrison
Microsoft Powerpoint Presentation LANCE_AMSR2_UWG_2019-04-18.pptx	Apr 17, 2019 by Diane Davies
Microsoft Powerpoint Presentation LANCE UWG Metrics and updates April 2019_final (2).pptx	Apr 17, 2019 by Diane Davies
Microsoft Powerpoint Presentation geonex_lance_20190416.pptx	Apr 17, 2019 by Weile Wang
Multimedia File SPoRT_LANCE.mov	Apr 17, 2019 by 2c9c95a2430d984601430d98a9ec017e
Microsoft Powerpoint Presentation VIIRS and MODIS LANCE - Wolfe - 2019-04-17.pptx	Apr 17, 2019 by Diane Davies
Microsoft Powerpoint Presentation FengDing_LANCE_UWG201904_AIRS_MLS.pptx	Apr 17, 2019 by Feng Ding
Microsoft Powerpoint Presentation LANCE-UWG-ATMOS-SIPS-JBraun-04-18-2019.pptx	Apr 18, 2019 by Jessica Braun
Microsoft Powerpoint Presentation Cossuth-NRL_NASA_LANCE_20190418.pptx	Apr 18, 2019 by Diane Davies

JPEG File Image from iOS.jpg	Apr 19, 2019 by Diane Davies
Microsoft Powerpoint Presentation NASA Disasters Portal Presentation.pptx	Apr 30, 2019 by Diane Davies
Microsoft Powerpoint Presentation FIRMS For LANCE UWGv1.pptx	Jun 04, 2019 by Diane Davies

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