

ECOSTRESS Science and Applications Team Meeting

webex link: <https://jpl.webex.com/jpl/j.php?MTID=mc5aaea3181fad54c48247af1117af55f>

full address:

Tuesday, Nov 15, 2022

Time (Pacific)		Minutes	Title	Speaker	
7:30 AM	PT	0:30	Registration (in-person)		
8:00 AM	PT	0:10	Meeting open: welcome and Introduction to ECOSTRESS	Simon Hook	<i>Start</i>
8:10 AM	PT	0:10	Welcome to ECOSTRESS team meeting	Keith Gaddis	
8:20 AM	PT	0:30	Update from NASA Earth Science Division	Karen St Germain/Jamie Wicks	<i>Mission Updates</i>
8:50 AM	PT	0:10	HQ update	Mike Obland	<i>HQ Update</i>
9:00 AM	PT	0:10	Overview of ECOSTRESS Science and Applications	Kerry Cawse-Nicholson	<i>Mission Updates</i>
9:10 AM	PT	0:30	An Overview of Collection 2 Products from Level 1 to Level 4	Gregory Halverson	
9:40 AM	PT	0:15	Project Manager Overview and Build 7 Notes	Dana Freeborn	
9:55 AM	PT	0:15	L1 Calibration and Geolocation	Tom Logan	
10:10 AM	PT	0:20	L2 Land Surface Temperature and Emissivity + Cloud Mask	Glynn Hulley	<i>Product Updates</i>
10:30 AM	PT	0:15	Break + Lightning Talks		<i>Break</i>
10:45 AM		0:05		Hadi Jafaar	
10:50 AM		0:05		Marcela Rosas Chavoya	
10:55 AM		0:05		Yubin Li	
11:00 AM	PT	0:15	Spatial Timeseries for Automated high-Resolution multi-Sensor data fusion (STARS)	Maggie Johnson	
11:15 AM	PT	0:15	Early ET validation results	AJ Purdy	
11:30 AM	PT	0:15	High Spatio-Temporal-Spectral Thermal Remote Sensing	Jeffrey Luvall	
11:45 AM	PT	0:15	Improving geolocation of nighttime ECOSTRESS imagery over areas with dynamically changing landcover	Christoph Hecker, Agnieszka Soszynska	
12:00 PM	PT	0:15	European ECOSTRESS Hub	Kanishka Mallik	<i>Science and Applications Updates</i>
12:15 PM	PT	1:15	LUNCH BREAK		
1:30 PM	PT	0:10	NASA Water Resources and Agriculture Program Updates	Brad Doorn	
1:40 PM	PT	0:10	LCUC	Krishna Vadrevu	
1:50 PM	PT	0:10	Terrestrial Hydrology Program	Jared Entin	
2:00 PM	PT	0:15	Closing Discussion	Simon Hook	
2:15 PM	PT	0:10	LP DAAC Overview	Aaron Friesz	
2:25 PM	PT	1:20	LP DAAC Workshop	LP DAAC Team Mahsa	
3:45 PM	PT	0:10	Break		
3:55 PM	PT	1:20	LP DAAC Workshop	Gregory	<i>Workshop</i>
5:15 PM	PT	0:05	Closing Discussion	Simon Hook	
5:20 PM	PT		End		

Wednesday, Nov 16, 2022

Time (Pacific)		Minutes	Title	Speaker		
8:30 AM	PT	0:15	Validating ECOSTRESS in a southwestern pine-oak forest: impacts of wildfire on evapotranspiration	Helen Poulos	<i>Science and Applications Updates</i>	
8:45 AM	PT	0:15	Coastal Surface Temperatures from ECOSTRESS	Daniel Otis		
9:00 AM	PT	0:15	ECOSTRESS meets Eddy Covariance Tower Arrays: Can This Synergy Reveal the Enigma of the Dyadic Advection	Tianxin Wang		
9:15 AM	PT	0:15	EMIT/ECOSTRESS synergies	Phil Brodrick		
9:30 AM	PT	0:15	How does water use efficiency influence biomass accumulation in regenerating tropical forests?	Savannah Cooley		
9:45 AM	PT	0:15	I.C.E. C.R.E.A.M.: Integrating Communication of ECOSTRESS into Community Research, Education, Applications, and Media	Josh Fisher		
10:00 AM	PT	0:15	Break + 5 min lightning talks			<i>Break</i>
10:15 AM		0:05	Hermits Fire work	Zoe Von Allman		
10:20 AM		0:05	Aquifer recharge in Western Tennessee with ECOSTRESS	Western Tennessee NASA Develop		
10:25 AM		0:05	Update	Chris Doughty / Gregory Goldsmith		
10:30 AM	PT	0:15	Semi-arid forest restoration treatments improve drought resiliency: ECOSTRESS-based assessment	Temuulen Sankey	<i>Science and Applications Updates</i>	
10:45 AM	PT	0:15	Remotely Sensing Crop Stress in the U.S. Corn Belt	Brian Hornbuckle		
11:00 AM	PT	0:15	Quantifying (near) global ecosystem vulnerability to drought with ECOSTRESS	Ben Poulter/Andrew Feldman		
11:15 AM	PT	0:15	Harnessing ECOSTRESS to assess diurnal dynamics of urban thermal environments and their impacts on heat-related health risks	Leiqiu Hu		
11:30 AM	PT	0:15	Thermally Sensitive ECOSTRESS Evapotranspiration Model Ensemble Evaluation and Development	Gregory Halverson		
11:45 AM	PT	0:15	Towards Enhancements in ECOSTRESS Products for Quantifying Ecosystem Evapotranspiration and its Partitioning for Key Southern US Forests- An example from Santee Experimental Forest	Sudhanshu Sekhar Panda / Dr. Amatya		
12:00 PM	PT	1:00	LUNCH BREAK		<i>Discussion</i>	
1:00 PM	PT	0:30	Travel to Carpinteria Salt Marsh			
1:30 PM	PT	3:00	Carpinteria Salt Marsh Tour	Andrew Brooks		
3:30 PM	PT	0:30	Travel back to Ventura			
4:00 PM	PT	0:10	End			

Thursday, November 17, 2022

Time (Pacific)		Minutes	Title	Speaker	
8:00 AM	PT	0:30	Networking and Discussion	Simon Hook	<i>Start</i>
8:30 AM	PT	0:15	Widespread race and ethnicity disparities with respect to social and environmental inequity issues	Soe Myint	<i>Science Applications and Updates</i>
8:45 AM	PT	0:15	An ECOSTRESS environmentally informed West Nile virus risk assessment.	Nicholas DeFelice	
9:00 AM	PT	0:15	Identifying and quantifying urban heat mitigation and environmental justice disparities with ECOSTRESS	Glynn Hulley	
9:15 AM	PT	0:15	Heat and Desiccation Risk Prediction in Intertidal Shellfisheries	David Wethey	
9:30 AM	PT	0:15	Fine resolution characterization of water stress in New York City urban forests with ECOSTRESS	Nick Steiner	
9:45 AM	PT	0:20	Break + 5 min lightning talks		
10:05 AM		0:05		Corisa Wong	
10:10 AM		0:05		Devansh Desai	
10:15 AM	PT	0:15	Water-balance succession following wildfires in Great-Basin shrublands	Scott Allen/Andrew Felton	
10:30 AM	PT	0:15	Detecting Aerosol-Ecosystem Interactions using ECOSTRESS	Allison Steiner	
10:45 AM	PT	0:15	Redefining droughts for the U.S. Corn Belt: quantification of the impacts of soil aridity and atmospheric aridity on agroecosystems using ECOSTRESS LST and ET products	Kaiyu Guan	
11:00 AM	PT	0:15	Fire Driven Changes in Landscape Water Use	Madeleine Pascolini/Colin Raymond	
11:15 AM	PT	0:15	Water-use and Land-cover change detection using ECOSTRESS and OpenET.	Yun Yang	
11:30 AM	PT	0:15	Quantifying ECOSTRESS LST errors resulting from unmasked cirrus clouds and developing techniques to remove thin cirrus effects in surface temperature data products	Bo-Cai Gao	
11:45 AM	PT	0:30	Senior Review Preparations	Simon Hook	
12:15 PM	PT	0:30	Discussion / Close Out	Simon Hook	
12:45 PM	PT	0:30	Lunch		
1:15 PM	PT	1:30	LP DAAC Office Hours	LP DAAC Team	