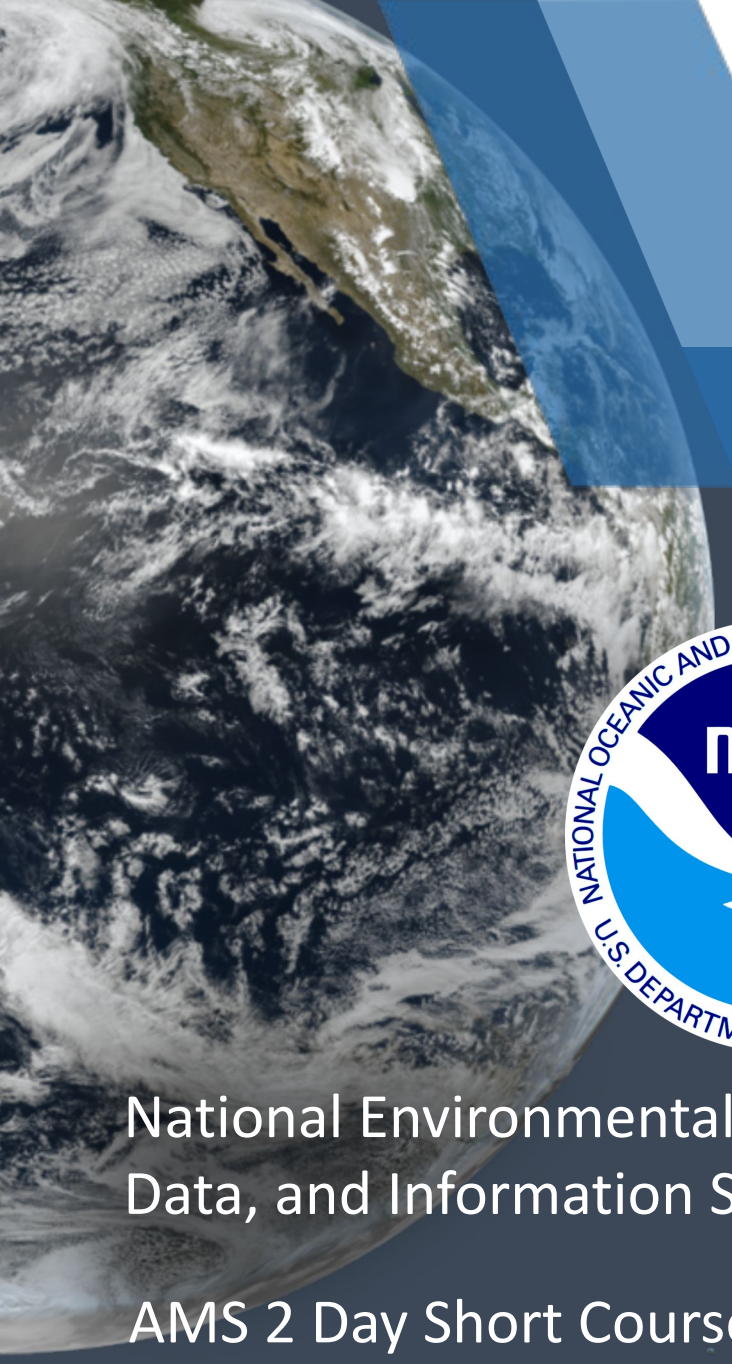


GOES-R/JPSS HANDS-ON TRAINING TO PROCESS, DISPLAY AND ANALYZE SATELLITE DATA PRODUCTS

National Environmental Satellite, Data, and Information Service

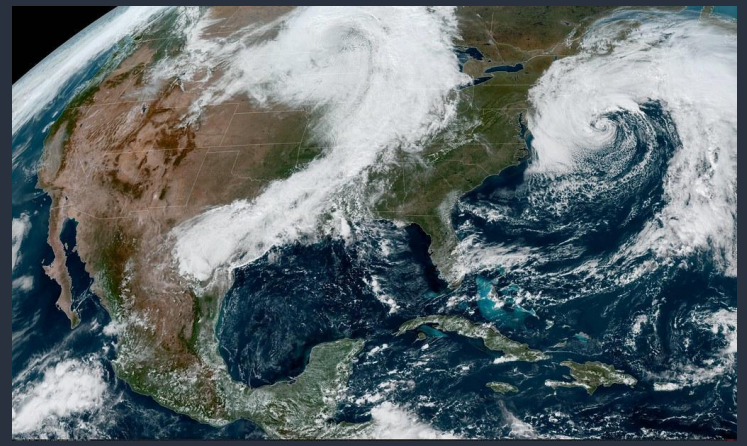
AMS 2 Day Short Course

Sherrie S. Morris, STC at GOES-R Product Readiness and Operations (PRO) Team

Wednesday, March 17, & Thursday, March 18, 2021

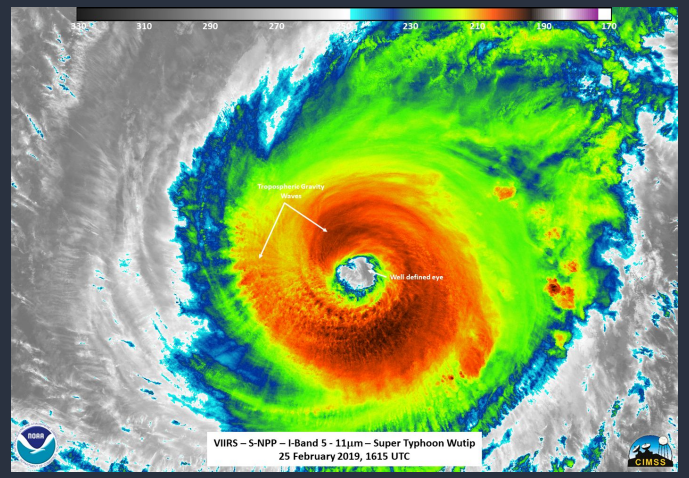
Day 1 Agenda 11AM ET – 3PM ET

- 11:10 AM NOAA's role in optimizing the use of satellite information (Mitch Goldberg, NESDIS Chief Scientist)

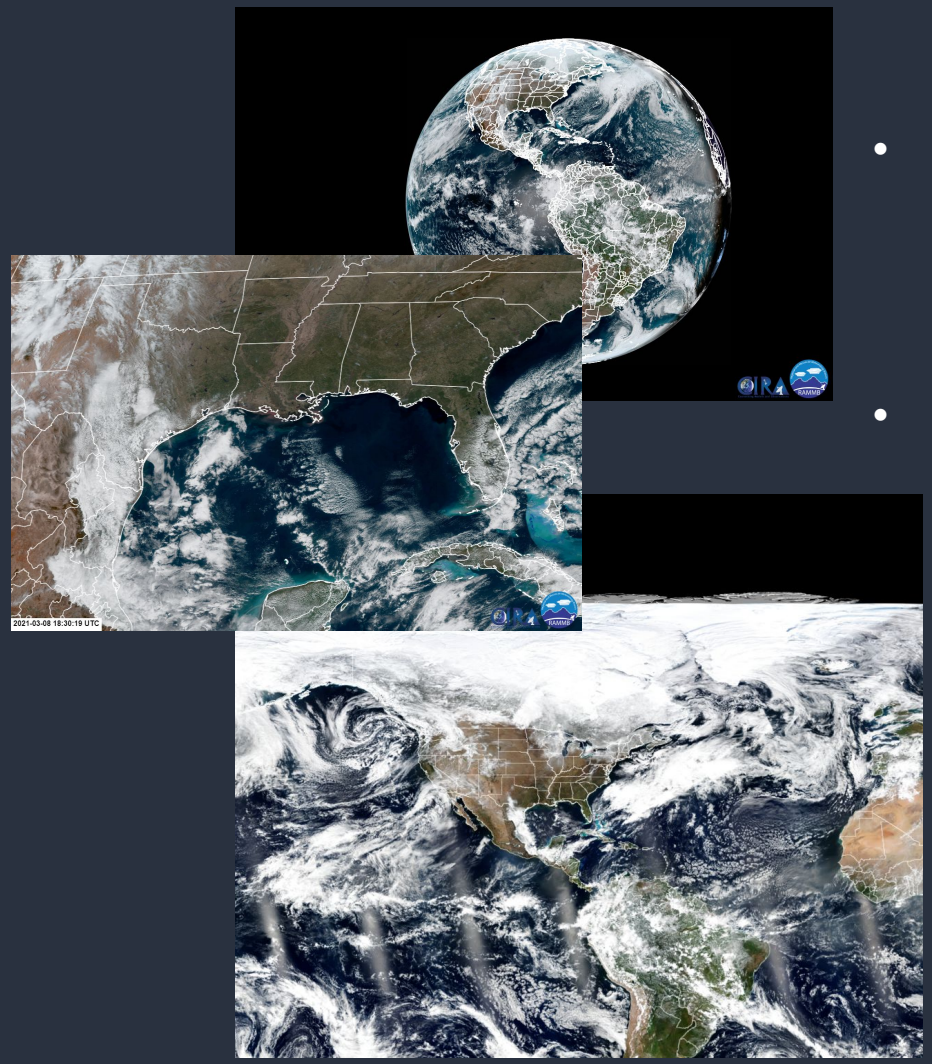


- 11:40 AM JPSS / GOES-R Satellite Applications (Andy Heidinger, GEO Senior Scientist and Satya Kalluri, JPSS Program Office)

- 12:00 PM The use of tools for processing and displaying satellite data (Tom Atkins, STAR)



Day 1 Agenda cont



- 12:20 PM Hands-On Exercise 1: Using JSTAR Mapper (Tom Atkins, STAR)
- 12:50 PM 15 minute break

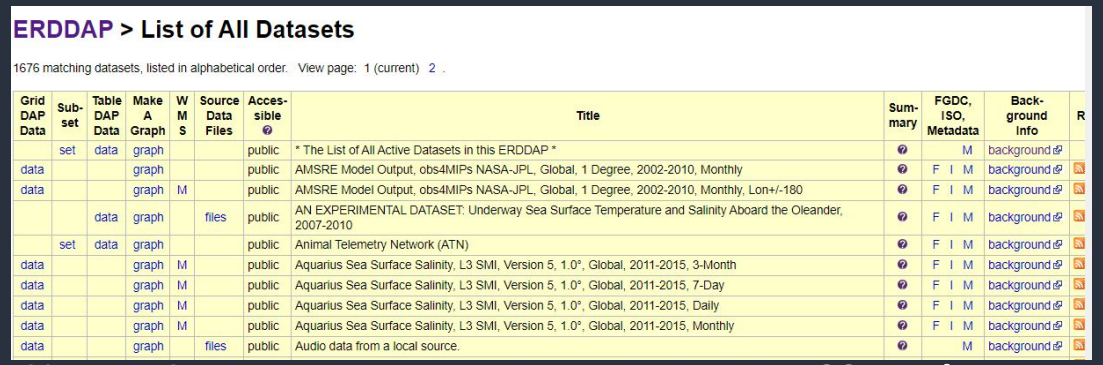
1:05 PM Hands-On Exercise 2: Using CIMSS RealEarth (William Straka, CIMSS/University of Wisconsin – Madison)

1:35 PM Hands-On Exercise 3: Using CIRA SLIDER (Curtis Seaman (CIRA))

Day 1 Agenda cont

- 2:05 PM Hands-On Exercise 4: Using ERDDAP

(Cara Wilson, NOAA Southwest Fisheries Science Center, Environmental Research Division (SWFSC/ERD))



ERDDAP > List of All Datasets

1676 matching datasets, listed in alphabetical order. View page: 1 (current) 2 .

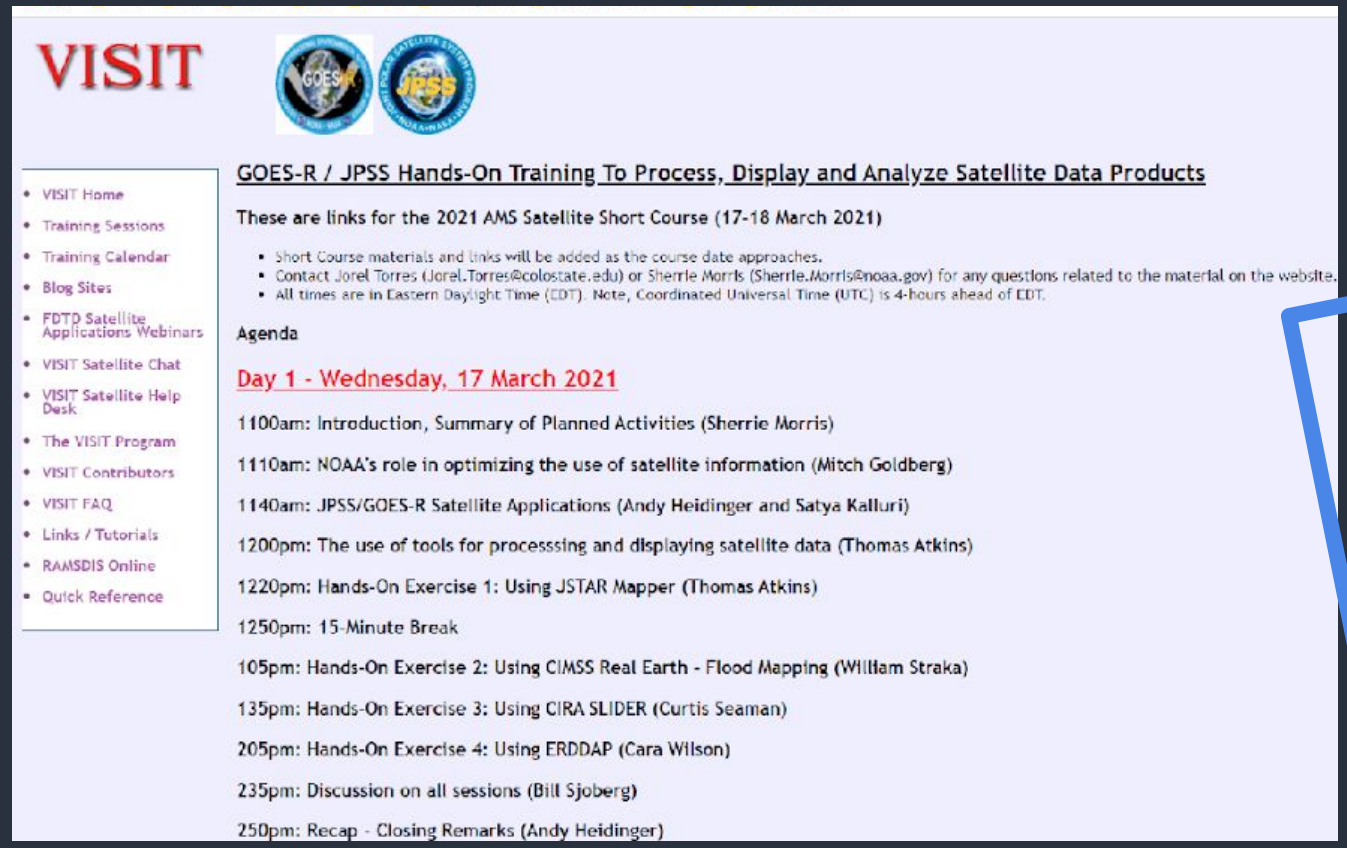
Grid DAP Data	Sub-set	Table DAP Data	Make A Graph	WMS	Source Data Files	Acces-sible	Title	Sum-mary	FGDC, ISO, Metadata	Back-ground info	R
	set	data	graph			public	* The List of All Active Datasets in this ERDDAP *		M	background	
data			graph			public	AMSRE Model Output, obs4MIPs NASA-JPL, Global, 1 Degree, 2002-2010, Monthly		F I M	background	
data			graph	M		public	AMSRE Model Output, obs4MIPs NASA-JPL, Global, 1 Degree, 2002-2010, Monthly, Lon+/-180		F I M	background	
		data	graph		files	public	AN EXPERIMENTAL DATASET: Underway Sea Surface Temperature and Salinity Aboard the Oleander, 2007-2010		F I M	background	
	set	data	graph			public	Animal Telemetry Network (ATN)		F I M	background	
data			graph	M		public	Aquarius Sea Surface Salinity, L3 SMI, Version 5, 1.0°, Global, 2011-2015, 3-Month		F I M	background	
data			graph	M		public	Aquarius Sea Surface Salinity, L3 SMI, Version 5, 1.0°, Global, 2011-2015, 7-Day		F I M	background	
data			graph	M		public	Aquarius Sea Surface Salinity, L3 SMI, Version 5, 1.0°, Global, 2011-2015, Daily		F I M	background	
data			graph	M		public	Aquarius Sea Surface Salinity, L3 SMI, Version 5, 1.0°, Global, 2011-2015, Monthly		F I M	background	
data			graph		files	public	Audio data from a local source.		M	background	

- 2:35 PM Discussion on all session (Bill Sjoberg, JPSS Program Office)

- 2:50 PM Recap (Andrew Heidinger, GEO Senior Scientist)

- 3:00 PM End of Day 1

NOAA's Short Course Website



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GOES-R / JPSS Hands-On Training To Process, Display and Analyze Satellite Data Products

These are links for the 2021 AMS Satellite Short Course (17-18 March 2021)

- Short Course materials and links will be added as the course date approaches.
- Contact Jorel Torres (Jorel.Torres@colostate.edu) or Sherrie Morris (Sherrie.Morris@noaa.gov) for any questions related to the material on the website.
- All times are in Eastern Daylight Time (EDT). Note, Coordinated Universal Time (UTC) is 4-hours ahead of EDT.

Agenda

Day 1 - Wednesday, 17 March 2021

1100am: Introduction, Summary of Planned Activities (Sherrie Morris)

1110am: NOAA's role in optimizing the use of satellite information (Mitch Goldberg)

1140am: JPSS/GOES-R Satellite Applications (Andy Heidinger and Satya Kalluri)

1200pm: The use of tools for processsing and displaying satellite data (Thomas Atkins)

1220pm: Hands-On Exercise 1: Using JSTAR Mapper (Thomas Atkins)

1250pm: 15-Minute Break

105pm: Hands-On Exercise 2: Using CIMSS Real Earth - Flood Mapping (William Straka)

135pm: Hands-On Exercise 3: Using CIRA SLIDER (Curtis Seaman)

205pm: Hands-On Exercise 4: Using ERDDAP (Cara Wilson)

235pm: Discussion on all sessions (Bill Sjoberg)

250pm: Recap - Closing Remarks (Andy Heidinger)

Answer instructor's questions, ask questions and participate - this is an interactive short course

https://rammb.cira.colostate.edu/training/visit/links_and_tutorials/2021_AMS_Satellite_Short_Course.asp

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Apps | Bill Pay Websites | Chantilly Weather | GST Timesheet | GST Email | COVID-19 Updates... | Model Analyses an... | People of Praise N... | Other bookmarks

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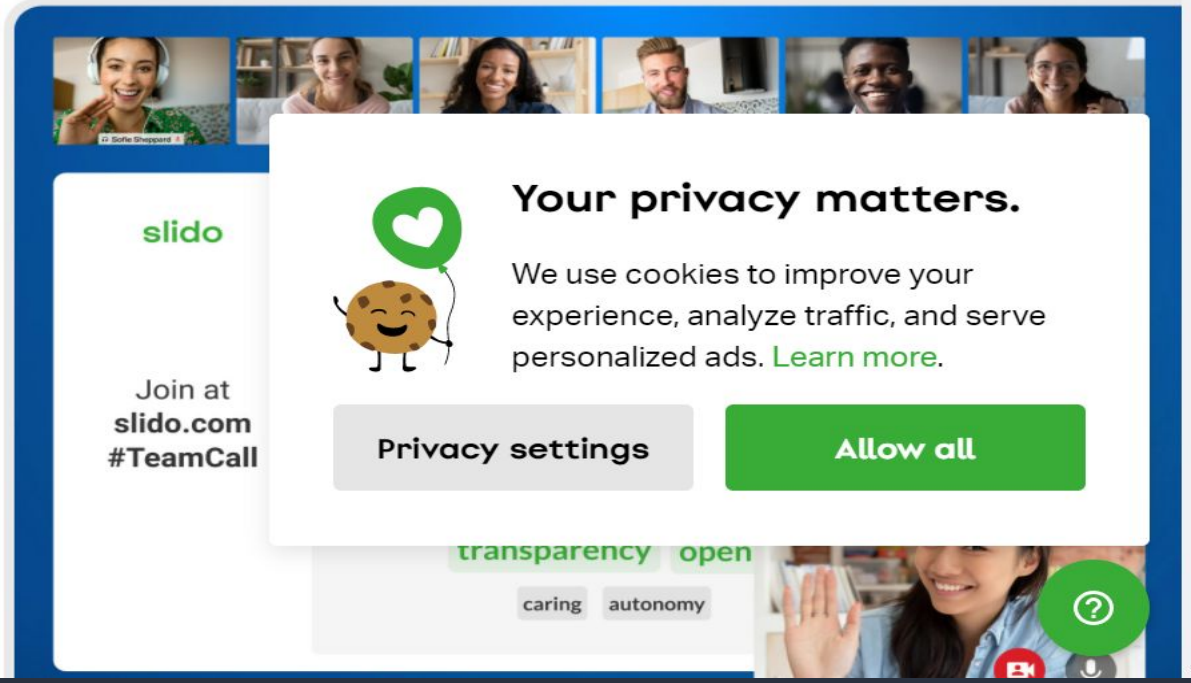

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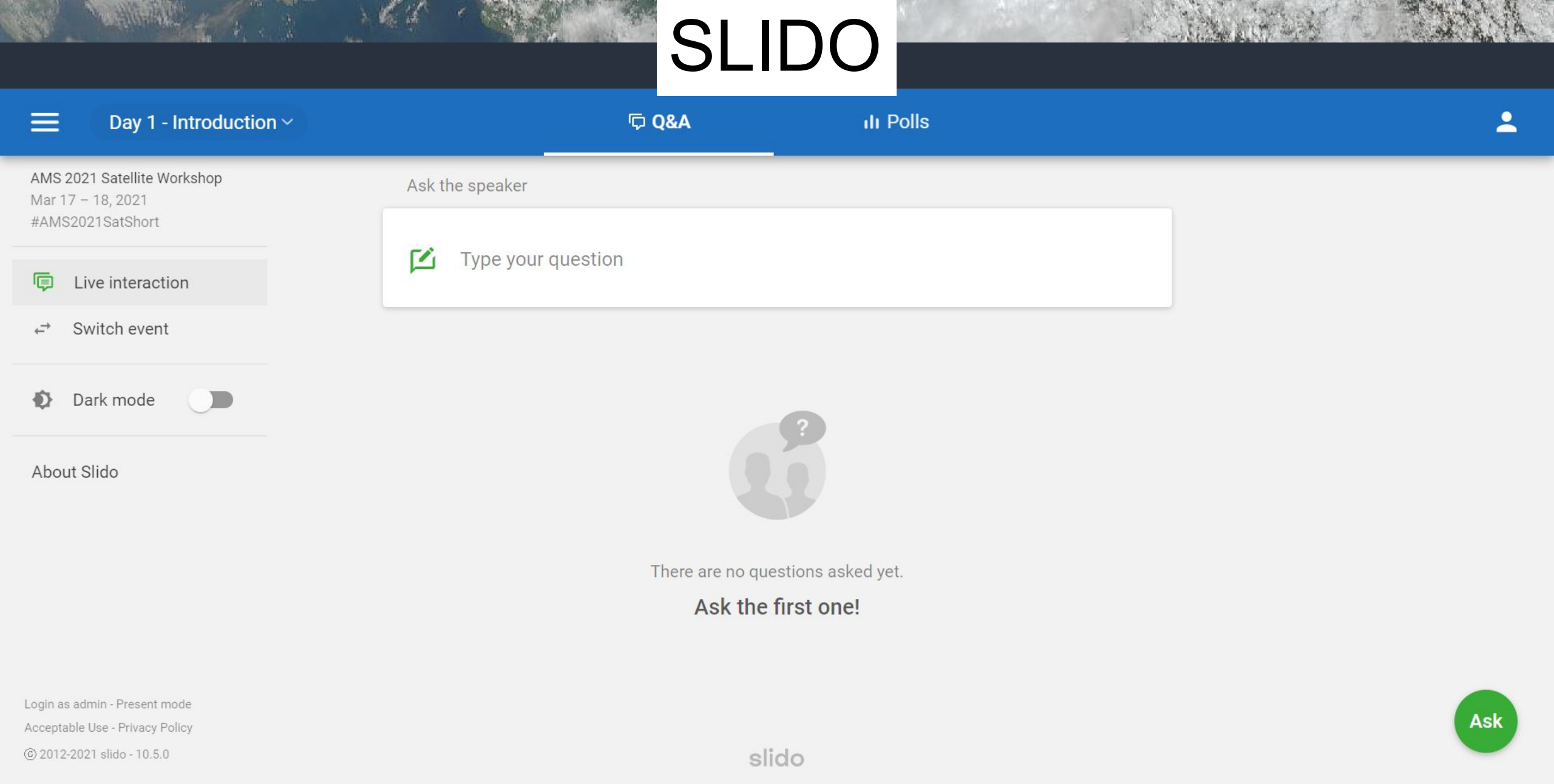
Day 1 - Introduction
Q&A
Polls
AMS 2021 Satellite Workshop
Mar 17 – 18, 2021
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DAY 2 AGENDA

Day 2 - Thursday, 18 March 2021

1100am: Introduction of today's speakers (Sherrie Morris)

1110am: Interactive Session - Using multispectral imagery products to anticipate, detect, and track severe thunderstorms (Bill Line)

1150am: Interactive Session - Using GLM products to anticipate and understand severe thunderstorms (Joseph Patton)

1225pm: 15-minute Break

1240pm: Understanding GOES-16/17 Advanced Baseline Imager (ABI) data files (Amy Huff)

- Presentation
- Getting Started with Anaconda (instructions)
- AMS Python Code (Zip file)

1255pm: Hands-On Exercise 5: Download ABI data files from AWS using Python (Amy Huff)

110pm: Hands-On Exercise 6: Open and explore the contents of an ABI data file using Python (Amy Huff)

130pm: Break

140pm: Hands-On Exercise 7: Process and visualize ABI data using Python (Amy Huff)

215pm: Closing remarks, Outbrief, and Evaluation (Mitch Goldberg)

230pm: SPECIAL TOPIC (Optional) - Sharing NOAA Data across platforms to Support CA Civil Air Patrol / National Guard via GeoCollaborate (Dave Jones)

300pm: End of Short Course

For a successful virtual session

- Need to know
  - Attendance, SLIDO, and chat will be captured so we can follow up on any questions
  - ….usually say “here are the restrooms, look for the emergency exits, ….”

- This is an interactive course
- Think about how you can integrate satellite imagery in operations and the decision making process
- Please mute your phones