

NASA's Convective Processes Experiment - Cabo Verde (CPEX-CV) Science Team Meeting

AGENDA



July 18–21, 2022
Sheraton Pasadena Hotel
 303 Cordova St., Pasadena, CA, 91101

[Webex Meeting Link for Remote Participants \(TBD\)](#)

Monday, July 18:

Welcome, Meeting Logistics, CPEX-CV Overview	
8:00a – 8:20a	Check-in
8:20a – 8:40a	Welcome and Meeting Logistics <i>NASA HQ and ESPO</i>
8:40a – 9:00a	Overview of CPEX-CV <i>Jon Zawislak, Ed Nowotnick, Amin Nehrir</i>
9:00a – 9:20a	Collaborator Presentation: ASKOS / CAVA-AW (JATAC)
9:20a – 9:30a	BREAK
Team Building – Session #1	
9:30a – 11:30a	Periscope Theory – Exercise #1 <i>Rebecca Toll and Erin Zimmermann</i>
11:30a – 1:00p	LUNCH
Science Team Presentations – Session #1	
15 min presentation + 5 min for Q&A; presenters can show progress in -AW research and should plan to communicate needs for -CV based on that research or their new/updated research priorities	
1:00p – 1:20p	Shuyi Chen or Hui Su
1:20p – 1:40p	Shu-Hua Chen
1:40p – 2:00p	Sun Wong (for Lambrigtsen)
2:00p – 2:20p	Ed Nowotnick
2:20p – 2:40p	Zhaoxia Pu
2:40p – 3:00p	Angela Rowe
3:00p – 3:10p	BREAK

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3:10p – 3:30p	Naoko Sakaeda
3:30p – 3:50p	Ed Zipser
3:50p – 4:10p	Jon Zawislak
Collaborator Presentations	
4:10p – 4:40p	ONR TCRI / MAGPIE
4:40p – 5:00p	NOAA APHEX / ITOFS-East <i>Jason Dunion</i>
5:00p – 5:15p	CALIPSO
END OF DAY	

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Tuesday, July 19:

CPEX-CV Dry Run — Day #1	
9:00a – 10:00a	{Breakout} Dry Run Forecast Production <i>CPEX-CV Forecasters</i>
9:00a – 10:00a	{Breakout} General Flight Planning Discussion Session #1 <i>Science PIs, Instrument PIs, Flight Scientists</i> A broad discussion about the mission scorecard and synthesizing flight patterns to meet CPEX-CV objectives
10:00a – 10:15a	BREAK
10:15a – 11:15a	Dry Run Forecast Brief and Flight Planning Day 1
11:15a – 11:30a	(hold for) GEO Worldview Tutorial
11:30a – 12:00p	JPL CPEX-CV Portal (New Products) <i>Svetla Hristova-Veleva</i>
12:00p – 1:30p	LUNCH
Team Building – Session #2	
1:30p – 3:30p	Periscope Theory – Exercise #2 <i>Rebecca Toll and Erin Zimmermann</i>
3:30p – 4:00p	BREAK and POSTER VIEWING
Instrument PI Tutorials	
Instrument teams will provide abbreviated instrument and data product overviews (5 min), then will offer time for team members to ask questions, and discuss synergies between the datasets	
4:00p – 4:30p	Lightning Talks: DAWN, HAMSAR, HALO, APR-3, Dropsondes, CAPS
4:30p – 5:30p	Q&A and Discussion
END OF DAY	

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Wednesday, July 20:

CPEX-CV Dry Run — Day #2	
9:00a – 10:00a	{Breakout} Dry Run Forecast Production <i>CPEX-CV Forecasters</i>
9:00a – 10:00a	{Breakout} General Flight Planning Discussion Session #2 <i>Science PIs, Instrument PIs, Flight Scientists</i>
10:00a – 10:15a	BREAK
10:15a – 11:30a	Debrief of Previous Days' Flight Plan Dry Run Forecast Brief and Flight Planning Day 2
11:30p – 12:00p	Satellite and Model Guidance Products Tutorials
12:00p – 1:30p	LUNCH
Science Team Presentations – Session #2 12 min presentation + 3 min for Q&A	
1:30p – 1:45p	Ben Rodenkirch (Rowe)
1:45p – 2:00p	TBD Student (Pu)
2:00p – 2:15p	Chu-Chun Huan (S-H Chen)
2:15p – 2:30p	Shun-Nan Wu (Sakaeda)
2:30p – 3:30p	BREAK and POSTER VIEWING
CPEX-CV Logistics	
3:30p – 4:00p	Field Phase Daily Schedule Discussion <i>Jon Zawislak, Ed Nowotnick, Amin Nehrir</i>
4:00p – 4:30p	Field Program Logistics <i>ESPO, DC-8</i>
4:30p – 5:00p	Data Management <i>Gao Chen</i>
5:00p – 5:30p	Q&A and Other Topics
END OF DAY	

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Thursday, July 21:

CPEX-CV Dry Run — Day #3	
9:00a – 10:00a	{Breakout} Dry Run Forecast Production <i>CPEX-CV Forecasters</i>
9:00a – 10:00a	{Breakout} General Flight Planning Discussion Session #3 <i>Science PIs, Instrument PIs, Flight Scientists</i>
10:00a – 10:15a	BREAK
10:15a – 11:30a	Debrief of Previous Days' Flight Plan Dry Run Forecast Brief and Flight Planning Day 3
Meeting Wrap-up	
11:30a – 12:00p	Wrap-up, Action Items, Final Planning <i>HQ, ESPO, Science Leadership</i>
END OF MEETING	

Poster Presenters	
Longtao Wu, Hui Su, Derrick Posselt, Xubin Zeng, Shuyi Chen	Uncertainty of Atmospheric Winds in the Reanalysis Datasets
Allan Lee	TBD
Alexis Wilson	Observed Structural and Environmental Characteristics of Pre-Ida (2021) during CPEX-AW
Jon Zawislak	A Look Back at the Flights of NASA's African Monsoon Multidisciplinary Analyses (NAMMA) Experiment in 2006
Brian Knosp	TBD