

# 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](#)

*Password for the Webex: DC-8*

### Monday, July 18:

<b>Welcome, Meeting Logistics, CPEX-CV Overview</b>	
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) <i>Eleni Marinou and Grisa Mocnik</i>
9:20a – 9:30a	BREAK
<b>Team Building – Session #1</b>	
9:30a – 11:30a	Periscope Theory – Exercise #1 <i>Rebecca Toll and Erin Zimmermann</i>
11:30a – 1:00p	LUNCH
<b>Science Team Presentations – Session #1</b>	
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/revised research priorities	
1:00p – 1:20p	Hui Su (for Shuyi Chen)
1:20p – 1:40p	Shu-Hua Chen
1:40p – 2:00p	Sun Wong (for Bjorn 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
<b>Collaborator Presentations</b>	
Presentation time varies, but please leave at least 5-10 min for Q&A	
4:10p – 4:40p	ONR TCRI / MAGPIE <i>Jeff Reid</i>
4:40p – 5:00p	NOAA APHEX / ITOFS-East <i>Jason Dunion, Jon Zawislak</i>
5:00p – 5:15p	CALIPSO <i>Roman Kowch, Chip Trepte</i>
<b>END OF DAY</b>	

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 Analysis (NAMMA) Experiment in 2006
Brian Knosp	The CPEX-CV Portal: Data and Tools to Enable Planning and Investigations
Margaret Hollis	A Late-summer Climatology of Tropical Easterly Waves Over North Africa and the North Atlantic Ocean

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**Tuesday, July 19:**

<b>CPEX-CV Dry Run — Day #1</b>	
8:00a – 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, Mission and 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 for Day 2
11:15a – 11:30a	GEO Worldview Tutorial <i>Bob Holz or Ralph Kuehn</i>
11:30a – 12:00p	JPL CPEX-CV Portal (New Products) <i>Svetla Hristova-Veleva</i>
12:00p – 1:15p	LUNCH Mission Scientists Produce Flight Plan for Day 2
1:15p – 1:30p	Mission Scientists Brief Dry Run Flight Plan for Day 2
<b>Team Building – Session #2</b>	
1:30p – 3:30p	Periscope Theory – Exercise #2 <i>Rebecca Toll and Erin Zimmermann</i>
3:30p – 4:00p	BREAK and POSTER VIEWING
<b>Instrument PI Tutorials</b>	
Instrument teams will provide abbreviated instrument and data product overviews (no more than 10 min), then will offer time for team members to ask questions, and discuss synergies between the datasets	
4:00p – 4:45p	Lightning Talks: DAWN, HAMSR, HALO, APR-3, Dropsondes, CAPS
4:45p – 5:30p	Q&A and Discussion
<b>END OF DAY</b>	

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## AGENDA

**Wednesday, July 20:**

<b>CPEX-CV Dry Run — Day #2</b>	
8:00a – 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, Mission and Flight Scientists</i>
10:00a – 10:15a	BREAK
10:15a – 12:00p	Debrief of Previous Days' Flight Plan Dry Run Forecast Brief and Flight Planning for Day 3
12:00p – 1:15p	LUNCH Mission Scientists Produce Flight Plan for Day 3
1:15p – 1:30p	Mission Scientists Brief Dry Run Flight Plan for Day 3
<b>Science Team Presentations – Session #2</b>	
12 min presentation + 3 min for Q&A	
1:30p – 1:45p	Ben Rodenkirch (Rowe)
1:45p – 2:00p	Chu-Chun Huang (S-H Chen)
2:00p – 2:15p	Shun-Nan Wu (Sakaeda)
2:15p – 3:30p	BREAK and POSTER VIEWING
<b>CPEX-CV Logistics</b>	
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
<b>END OF DAY</b>	

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**Thursday, July 21:**

<b>CPEX-CV Dry Run — Day #3</b>	
8:00a – 9:30a	{Breakout} Dry Run Forecast Production <i>CPEX-CV Forecasters</i>
8:00a – 9:30a	{Breakout} General Flight Planning Discussion Session #3 [if necessary] <i>Science PIs, Instrument PIs, Mission and Flight Scientists</i>
9:30a – 10:45a	Debrief of Previous Days' Flight Plan Dry Run Forecast Brief and Flight Planning for Day 4
10:45a – 11:15a	<b>BREAK</b> Mission Scientists Produce Flight Plan for Day 4
11:15a – 11:30a	Mission Scientists Brief Dry Run Flight Plan for Day 4
<b>Meeting Wrap-up</b>	
11:30a – 12:00p	Wrap-up, Action Items, Final Planning <i>HQ, ESPO, Science Leadership</i>
<b>END OF MEETING</b>	