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:

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00a – 8:20a</td>
<td>Welcome, Meeting Logistics, CPEX-CV Overview</td>
</tr>
<tr>
<td>8:20a – 8:40a</td>
<td>Welcome and Meeting Logistics, NASA HQ and ESPO</td>
</tr>
<tr>
<td>8:40a – 9:00a</td>
<td>Overview of CPEX-CV, Jon Zawislak, Ed Nowottnick, Amin Nehrir</td>
</tr>
<tr>
<td>9:00a – 9:20a</td>
<td>Collaborator Presentation: ASKOS / CAVA-AW (JATAC)</td>
</tr>
<tr>
<td>9:20a – 9:30a</td>
<td>BREAK</td>
</tr>
<tr>
<td>9:30a – 11:30a</td>
<td>Team Building – Session #1, Periscope Theory – Exercise #1</td>
</tr>
<tr>
<td>11:30a – 1:00p</td>
<td>LUNCH</td>
</tr>
<tr>
<td>1:00p – 1:20p</td>
<td>Shuyi Chen or Hui Su</td>
</tr>
<tr>
<td>1:20p – 1:40p</td>
<td>Shu-Hua Chen</td>
</tr>
<tr>
<td>1:40p – 2:00p</td>
<td>Sun Wong (for Lambrigtsen)</td>
</tr>
<tr>
<td>2:00p – 2:20p</td>
<td>Ed Nowottnick</td>
</tr>
<tr>
<td>2:20p – 2:40p</td>
<td>Zhaoxia Pu</td>
</tr>
<tr>
<td>2:40p – 3:00p</td>
<td>Angela Rowe</td>
</tr>
<tr>
<td>3:00p – 3:10p</td>
<td>BREAK</td>
</tr>
</tbody>
</table>
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(CPEX-CV) Science Team Meeting

**AGENDA**

<table>
<thead>
<tr>
<th>Time</th>
<th>Presenter/Project</th>
</tr>
</thead>
<tbody>
<tr>
<td>3:10p – 3:30p</td>
<td>Naoko Sakaeda</td>
</tr>
<tr>
<td>3:30p – 3:50p</td>
<td>Ed Zipser</td>
</tr>
<tr>
<td>3:50p – 4:10p</td>
<td>Jon Zawislak</td>
</tr>
</tbody>
</table>

**Collaborator Presentations**

<table>
<thead>
<tr>
<th>Time</th>
<th>Project/Contact</th>
</tr>
</thead>
<tbody>
<tr>
<td>4:10p – 4:40p</td>
<td>ONR TCRI / MAGPIE</td>
</tr>
<tr>
<td>4:40p – 5:00p</td>
<td>NOAA APHEX / ITOFS-East</td>
</tr>
<tr>
<td></td>
<td>Jason Dunion</td>
</tr>
<tr>
<td>5:00p – 5:15p</td>
<td>CALIPSO</td>
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**END OF DAY**
**NASA’s Convective Processes Experiment - Cabo Verde (CPEX-CV) Science Team Meeting**

**AGENDA**

**Tuesday, July 19:**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
</table>
| 9:00a – 10:00a | {Breakout} Dry Run Forecast Production  
              | *CPEX-CV Forecasters*                                                |
| 9:00a – 10:00a | {Breakout} General Flight Planning Discussion Session #1  
              | *Science PIs, Instrument PIs, Flight Scientists*                     |

  A broad discussion about the mission scorecard and synthesizing flight patterns to meet CPEX-CV objectives

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<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:00a – 10:15a</td>
<td>BREAK</td>
</tr>
<tr>
<td>10:15a – 11:15a</td>
<td>Dry Run Forecast Brief and Flight Planning Day 1</td>
</tr>
<tr>
<td>11:15a – 11:30a</td>
<td><em>(hold for)</em> GEO Worldview Tutorial</td>
</tr>
</tbody>
</table>
| 11:30a – 12:00p | JPL CPEX-CV Portal (New Products)  
                      | *Svetla Hristova-Veleva*                                              |
| 12:00p – 1:30p | LUNCH                                                                |

**Team Building – Session #2**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
</table>
| 1:30p – 3:30p | Periscope Theory – Exercise #2  
                     | *Rebecca Toll and Erin Zimmermann*                                   |
| 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

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<th>Time</th>
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<tbody>
<tr>
<td>4:00p – 4:30p</td>
<td>Lightning Talks: DAWN, HAMSR, HALO, APR-3, Dropsondes, CAPS</td>
</tr>
<tr>
<td>4:30p – 5:30p</td>
<td>Q&amp;A and Discussion</td>
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**END OF DAY**
## AGENDA

**Wednesday, July 20:**

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
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</thead>
<tbody>
<tr>
<td><strong>CPEX-CV Dry Run — Day #2</strong></td>
<td></td>
</tr>
<tr>
<td>9:00a – 10:00a</td>
<td>{Breakout} Dry Run Forecast Production</td>
</tr>
<tr>
<td></td>
<td><em>CPEX-CV Forecasters</em></td>
</tr>
<tr>
<td>9:00a – 10:00a</td>
<td>{Breakout} General Flight Planning Discussion Session #2</td>
</tr>
<tr>
<td></td>
<td><em>Science PIs, Instrument PIs, Flight Scientists</em></td>
</tr>
<tr>
<td>10:00a – 10:15a</td>
<td>BREAK</td>
</tr>
<tr>
<td>10:15a – 11:30a</td>
<td>Debrief of Previous Days’ Flight Plan</td>
</tr>
<tr>
<td></td>
<td>Dry Run Forecast Brief and Flight Planning Day 2</td>
</tr>
<tr>
<td>11:30p – 12:00p</td>
<td>Satellite and Model Guidance Products Tutorials</td>
</tr>
<tr>
<td>12:00p – 1:30p</td>
<td>LUNCH</td>
</tr>
</tbody>
</table>

**Science Team Presentations – Session #2**

<table>
<thead>
<tr>
<th>Time</th>
<th>Presenter</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:30p – 1:45p</td>
<td>Ben Rodenkirch (Rowe)</td>
</tr>
<tr>
<td>1:45p – 2:00p</td>
<td>TBD Student (Pu)</td>
</tr>
<tr>
<td>2:00p – 2:15p</td>
<td>Chu-Chun Huan (S-H Chen)</td>
</tr>
<tr>
<td>2:15p – 2:30p</td>
<td>Shun-Nan Wu (Sakaeda)</td>
</tr>
<tr>
<td>2:30p – 3:30p</td>
<td>BREAK and POSTER VIEWING</td>
</tr>
</tbody>
</table>

**CPEX-CV Logistics**

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>3:30p – 4:00p</td>
<td>Field Phase Daily Schedule Discussion</td>
</tr>
<tr>
<td></td>
<td><em>Jon Zawislak, Ed Nowottnick, Amin Nehrir</em></td>
</tr>
<tr>
<td>4:00p – 4:30p</td>
<td>Field Program Logistics</td>
</tr>
<tr>
<td></td>
<td><em>ESPO, DC-8</em></td>
</tr>
<tr>
<td>4:30p – 5:00p</td>
<td>Data Management</td>
</tr>
<tr>
<td></td>
<td><em>Gao Chen</em></td>
</tr>
<tr>
<td>5:00p – 5:30p</td>
<td>Q&amp;A and Other Topics</td>
</tr>
</tbody>
</table>

**END OF DAY**
# NASA’s Convective Processes Experiment - Cabo Verde (CPEX-CV) Science Team Meeting

## AGENDA

**Thursday, July 21:**

### CPEX-CV Dry Run — Day #3

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:00a – 10:00a</td>
<td>{Breakout} Dry Run Forecast Production  &lt;br&gt; <em>CPEX-CV Forecasters</em></td>
</tr>
<tr>
<td>9:00a – 10:00a</td>
<td>{Breakout} General Flight Planning Discussion Session #3  &lt;br&gt; <em>Science Pls, Instrument Pls, Flight Scientists</em></td>
</tr>
<tr>
<td>10:00a – 10:15a</td>
<td>BREAK</td>
</tr>
<tr>
<td>10:15a – 11:30a</td>
<td>Debrief of Previous Days’ Flight Plan  &lt;br&gt; Dry Run Forecast Brief and Flight Planning Day 3</td>
</tr>
</tbody>
</table>

### Meeting Wrap-up

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>11:30a – 12:00p</td>
<td>Wrap-up, Action Items, Final Planning  &lt;br&gt; <em>HQ, ESPO, Science Leadership</em></td>
</tr>
</tbody>
</table>

**END OF MEETING**

### Poster Presenters

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