

# CLARREO SDT Meeting Agenda

The Pyle Center at the University of Wisconsin-Madison

Oct. 12-14, 2011

## Wednesday, Oct. 12th

Start	End	Duration	Topic	Speaker
<b>Introduction</b>				
8:00 AM	8:20 AM	0:20	Welcome/Introduction/Meeting Goals	D. Young
8:20 AM	8:30 AM	0:10	NASA Headquarters Perspective	K. Jucks
<b>IR Presentations</b>				
8:30 AM	9:00 AM	0:30	SI traceability: relevant definitions and current implementations in the infrared	J. Dykema
9:00 AM	9:30 AM	0:30	CLARREO IR Spectra: Achieving 0.1 K 3-sigma (SI-traceable uncertainty analyses and Post-launch Validation)	H. Revercomb
9:30 AM	10:00 AM	0:30	CLARREO and IR Intercal	D. Tobin
10:00 AM	10:30 AM	0:30	<b>Break</b>	
10:30 AM	11:00 AM	0:30	CLARREO - State Parameter Climate Retrieval	B. Smith
11:00 AM	11:30 AM	0:30	CLARREO IR Radiance Benchmark Product Analyses	R. Knuteson
11:30 AM	1:00 PM	1:30	<b>Lunch</b>	
1:00 PM	1:30 PM	0:30	8-Year Radiance trends from AIRS and Comparison to ERA-Interim Reanalysis	L. Strow
1:30 PM	2:00 PM	0:30	A robust OSSE study with a 25-year simulation of global OLR spectra from 3-hourly GCM outputs	Y. Huang
2:00 PM	2:30 PM	0:30	A look at 9 years of AIRS radiance	X. Huang
2:30 PM	3:00 PM	0:30	<b>Break</b>	
3:00 PM	3:30 PM	0:30	Assessing the Effects of Instrument Systematic Uncertainty in the IR Measurements on Derivation of Spectral Fingerprints Temperatures	Nipa P.
3:30 PM	4:00 PM	0:30	Understanding atmospheric and cloud property variabilities toward TOA spectral radiance closure	S. Kato
4:00 PM	6:00 PM	2:00	<b>Tour</b>	
6:30 PM	8:30 PM	2:00	<b>Dinner at Great Dane Pub &amp; Brewing Company</b>	

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Start	End	Duration	Topic	Speaker
<b>IR Presentations cont'd.</b>				
8:30 AM	9:00 AM	0:30	Radiative transfer model and retrieval algorithms for CLARREO hyperspectral sensor	X. Liu
9:00 AM	9:30 AM	0:30	Far-IR spectral greenhouse effects	D. Kratz
9:30 AM	10:00 AM	0:30	Seasonal and interannual variability diagnosed from IASI spectra and comparison to simulations	H. Brindley
10:00 AM	10:30 AM	0:30	<b>Break</b>	
<b>RS Presentations</b>				
10:30 AM	11:00 AM	0:30	Simulated Shortwave and Longwave Spectra from Models with Different Cloud Feedback Strengths.	D. Feldman/B. Collins
11:00 AM	11:30 AM	0:30	Monitoring carbon dioxide trends from spectral radiance measurements	B. Soden
11:30 AM	1:00 PM	1:30	<b>Lunch</b>	
1:00 PM	1:30 PM	0:30	Comparing the Variability in Simulated Hyperspectral Solar Radiance with Observations	P. Pilewskie/Y. Roberts
1:30 PM	2:00 PM	0:30	Study of correlations between SCIAMACHY, MODIS and CERES measurements for CLARREO	Z. Jin
2:00 PM	2:30 PM	0:30	Update on CLARREO RS Inter-calibration Activities	C. Lukashin
2:30 PM	3:00 PM	0:30	Sensitivity of radiation polarization to microphysical properties of thin ice clouds	W. Sun
3:00 PM	3:30 PM	0:30	<b>Break</b>	
3:30 PM	4:00 PM	0:30	Science Definition Support for the CLARREO RS Instrument and Measurements: Proposed Activities and Progress	J. Xiong
<b>RO Presentations</b>				
4:00 PM	4:30 PM	0:30	Sampling Error and Resolution of COSMIC and CHAMP RO Data	S. Leroy
4:30 PM	5:00 PM	0:30	Systematic error analysis for GNSS RO refractivity in the lower troposphere	C. Ao

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### Friday, Oct. 14th

Start	End	Duration	Topic	Speaker
			<b><i>Special Topics</i></b>	
8:30 AM	9:00 AM	0:30	Sampling studies based on the ISS	D. Doelling
9:00 AM	9:30 AM	0:30	Overview of CLARREO IR Calibration Demonstration System	D. Johnson
9:30 AM	10:00 AM	0:30	Overview of CLARREO RS Calibration Demonstration System	K. Thome
10:00 AM	10:30 AM	0:30	<b><i>Break</i></b>	
10:30 AM	11:00 AM	0:30	Engineering Overview	J. Corliss/P. Speth
11:00 AM	11:20 AM	0:20	<b><i>Path Forward</i></b>	D. Young
11:20 AM	11:20 AM	0:00	<b><i>Adjourn</i></b>	