June 8 - June 11, 2015

Start	End	Speaker	Topic
8:30		Klein, Stephen A.	M. C. T. C.
		-	
8:35	9:00	Webb, Mark	Summary of CFMIP Activities
9:00	10.00	SESSION 1A: OBSERVATIONAL EVALUATION OF SIMULATED CLOUDS	Summary of CFMIP Activities  Comprehensive cloud evaluation in GCMs using a range of observational data
9:00		Williams, Keith	Comprehensive cloud evaluation in GCMs using a range of observational data
9.00	9.13	williams, Ketti	Comprehensive cloud evaluation in GCMs using a range of observational data
9:15	9:30	Oreopoulos, Lazaros (Jin, Daeho)	Development of comprehensive metrics for regimebased evaluation of cloud distributions in CMIP5 models  Use of catallite characters for process a prior to devaluation of cloud microphysics in climate models
9:30		Suzuki, Kentaroh	ose of saterifice observations for processoriented evaluation of cloud microphysics in climate models
9:45		Matsui, Toshi	Quasi-Equilibrium States in Tropical Convection and Precipitation Microphysics: Satellite Observations and Application for Model Evaluation
10:00		BREAK	
10:30		SESSION 1A: OBSERVATIONAL EVALUATION OF SIMULATED CLOUDS (CONT.)	
10:30		Lebsock, Matthew D.	An improved climate data record of the cloud liquid water path from microwave radiometry
10:45		Norris, Joel	Constraining the subtropical MBL cloud feedback with a comprehensive set of interannual cloud-meteorology relationships
11:00		Li, Lijuan	The Role of Non-convective Condensation Processes in Shortwave Flux Feedback during ENSO in the CMIP5  Models
11:15		Discussion of morning talks	
11:50		LUNCH	
13:00	14:00	Poster Session 1: Global observations	
		Berry, Betsy	Using A-Train observations to evaluate ice water path and ice cloud radiative effects in the Community  Atmosphere Model
		Eitzen, Zachary	The CERES Flux-by-Cloud Type Product and Simulator
		Ferraro, Angus	Physical mechanisms of tropical climate feedbacks revealed by temperature and moisture trends
		Huang, Xianglei	A Global Climatology of Outgoing Longwave Spectral Cloud Radiative Effect and Associated Effective Cloud Properties
		Kay, Jennifer	Evaluation of cloud phase in the Community Atmosphere Model version 5 using spaceborne lidar observations
		Manaster, Andres	Evaluation of Interannual Variability of Cloud Liquid Water Path in Climate Models Using A Multidecadal Record of Passive Microwave Observations
		Marchand, Roger	How good is the MISR-Simulator?
		Matsui, Toshi	Constraint and Potential of Satellite Simulators for Climate Models
		Oreopoulos, Lazaros (Jin, Daeho)	Simplified ISCCP cloud regimes for evaluating cloudiness in CMIP5 models
		Potter, Gerald	Making Multiple Reanalyses Available for Transpose AMIP
		Winker, Dave	The potential for new lidar observations for cloud studies
		Xie, Shaocheng	Clouds and Precipitation Simulated by the US DOE Accelerated Climate Model for Energy (ACME) and Its Sensitivity to Convection Schemes

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Start	End	Speaker	Topic	
14:00	15:00	SESSION 2: OBSERVED CLOUD TRENDS		<u>N</u>
14:00	14:15	Marvel, Kate	Detection and Attribution Techniques for Cloud Trends	OND
14:15	14:30	Tselioudis, George	Midlatitude zonal cloud shifts and the role of the baroclinic jet and the Hadley circulation	. J.
14:30	14:45	Bellomo, Katinka	Evidence for Weakening of Tropical Atmospheric Circulation from Cloud Datasets	NE 8
14:45	15:00	Brient, Florent	Constraints on climate projections from temporal variations of tropical low clouds	, 201
15:00	15:30	BREAK		បា
15:30	16:30	SESSION 3: EMERGENT CONSTRAINTS		
15:30	15:45	Hall, Alex	Emergent Constraints for Cloud Feedbacks and Climate Sensitivity	
15:45	16:00	Su, Hui	Using Seasonal Cloud Variation to Constrain Long-Term Cloud Feedback and Climate Sensitivity	
16:00	16:15	Qu, Xin	On the sensitivities of marine low cloud cover to the tropical inversion strength and sea surface temperature	
16:15	16:30	Terai, Christopher	Using satellite retrievals to constrain the low-cloud optical depth feedback in climate models	
16:30	17:00	Discussion of afternoon papers and posters		
17:00	18:00	SOCIAL: Ice Breaker	Asilomar - Dodge Chapel	
18:00	19:30	DINNER (NO HOST / ON YOUR OWN)		
19:30	21:00	SOCIAL: Bonfire Musical with "The Climate Changers"	Asilomar - Bonfire Pit	

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tart	End	Speaker	Topic
8:30	9:45	SESSION 4: EXTRATROPICAL CLOUD PROCESSES	
8:30	8:45	Bodas-Salcedo, Alejandro	The Southern Ocean radiation budget: the role of cloud phase and vertical structure
8:45	9:00	McCoy, Daniel	The high-latitude cloud liquid water increase in GCMs and the importance of the mixed-phase cloud feedback under global warming
9:00	9:15	Kay, Jennifer	The influence of "fixing" the Southern Ocean shortwave radiation model bias on global energy budgets and circulation patterns
9:15	9:30	Tan, Ivy	The importance of cloud thermodynamic phase partitioning for equilibrium climate sensitivity estimates
9:30	9:45	Cesana, Gregory V	A multi-model analysis of the cloud phase transition in 16 GCMs using satellite observations (CALIPSO/GPCP) and reanalysis data (ECMWF/MERRA)
9:45	10:15	BREAK	
10:15	11:15	SESSION 4: EXTRATROPICAL CLOUD PROCESSES (CONT)	
10:15	10:30	Grise, Kevin	Re-examining the relationship between climate sensitivity and the Southern Hemisphere radiation budget in CMIP models
10:30	10:45	Fletcher, Jennifer	Clouds in cold air outbreaks and implications for southern ocean cloud biases
10:45	11:00	Taylor, Patrick	Covariance between Arctic low clouds and sea ice in observations and climate models
11:00	11:15	Kawai, Hideaki	Changes in Marine Fog in a Future Climate
11:15	11:50	Discussion of morning talks	
11:50	13:00	LUNCH	
13:00	14:00	Poster Session 2: Small-scale and local cloud processes	
	•	Bhattacharya, Ritthik	Cloud response to Eddy Diffusivity Mass Flux (EDMF) based Boundary Layer Parameterization
		Gronemeier, Tobias	The Effects of Shadows of Shallow Convective Clouds on the Atmospheric Boundary Layer including Feedback on the Cloud Field
		Jeevanjee, Nadir	Effective Buoyancy at the surface and aloft
		Kalmus, Peter M	Characterizing the subtropical marine stratocumulus-to-cumulus transition with MAGIC
		Koshiro, Tsuyoshi	Interannual Variability in Summertime Low Stratiform Cloudiness over the North Pacific in Terms of Cloud Types
		Li, Zhujun	The response of simulated Arctic low clouds to sea ice cover variation
		Tatsuya, Seiki	Vertical grid spacing necessary for simulating tropical cirrus clouds
		Witte, Mikael	The Role of Turbulence in Precipitation Formation: Insights from LES and Observations
		Zhang, Yunyan	Clouds change with land surface-boundary layer coupling
		Zhang, Yuying	Application of ARM Cloud Radar Simulator to GCMs: Plan, Issues, and Preliminary Results
		Zheng, Xue	On a spurious cloud oscillation in CAM5 CAPT simulations with CLUBB scheme

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Start	End	Speaker	Topic
14:00	15:00	SESSION 5: SUBTROPICAL CLOUD PROCESSES	
14:00	14:15	Teixeira, Joao	A Simple Model of the Northeast Pacific Stratocumulus to Cumulus Transition Based on the Climatological Surface Energy Budget
14:15	14:30	Matheou, Georgios	Spatially developing large-eddy simulation of the stratocumulus to cumulus cloud transition
14:30	14:45	Suselj, Kay	A new unified stochastic parameterization for boundary layer, shallow convection and transition to deep
			convection
14:45	15:00	Medeiros, Brian	Trade-wind boundary layer structure and cloud properties in observations and climate models
15:00	15:30	BREAK	
15:30	16:15	SESSION 5: SUBTROPICAL CLOUD PROCESSES (CONT.)	
15:30	15:45	Chuang, Patrick	Aircraft observational constraints on stratocumulus entrainment
15:45	16:00	Ackerman, Andrew	Process-based evaluation of large-eddy and SCM simulations using in situ observations and satellite retrievals:
			Implications for GCM cloud parameterizations
16:00	16:15	Fridlind, Ann	Observational constraint of drizzle properties and processes in LES simulations with size-resolved
			microphysics and SCM simulations with two-moment microphysics: Use of Doppler cloud-radar moments and
16:15		SESSION 6: CLOUD FEEDBACKS IN HIGH-RESOLUTION MODELS	
16:15	16:30	Bretherton, Christopher	Insights into low-latitude cloud feedbacks from high-resolution models
16:30	16:45	Dal Gesso, Sara	A Single-Column Model intercomparison on the stratocumulus representation in present-day and future
			climate
16:45	17:00	Blossey, Peter	Exploring Cloud Feedbacks in Shallow Cumulus Clouds
17:00	17:30	Discussion of Afternoon Papers and Posters	

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tart	End	Speaker	Topic
8:30	9:30	SESSION 6: CLOUD FEEDBACKS IN HIGH-RESOLUTION MODELS (CONT.)	
8:30	8:45	Tan, Zhihong	Large-eddy simulations of subtropical cloud-topped boundary layers under idealized climate change
8:45	9:00	Jones, Christopher	Mean-state acceleration for cloud-resolving and superparameterized simulations
9:00	9:15	Krueger, Steven	Sensitivity of cloud-resolving RCE simulations to SST, horizontal grid size, and turbulence closure
9:15	9:30	Noda, Akira T.	High cloud size dependency of the applicability of the fixed anvil temperature hypothesis using global nonhydrostatic simulations
9:30	10:00	BREAK	
10:00	11:15	SESSION 7: GCMS: FORCINGS AND GLOBAL CLOUD FEEDBACK	
10:00	10:15	Soden, Brian	An Assessment of Direct Radiative Forcing, Radiative Adjustments and Radiative Feedbacks in CMIP5 Models
10:15	10:30	Andrews, Timothy (Talk given by Mark Webb)	The inconstancy of climate feedbacks and their dependence on SST patterns
10:30	10:45	Zhao, Ming	Uncertainty in model climate sensitivity traced to representations of cumulus precipitation microphysics
10:45	11:00	Vial, Jessica	How can convection affect low-level clouds
11:00	11:15	Webb, Mark	The impact of parametrized convection on cloud feedback
11:15	11:50	Discussion of morning talks	
11:50	13:00	LUNCH	

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	nd	Speaker	Topic Topic
13:00	14:00	Poster Session 3: Cloud feedbacks and circulation changes in GCMs	
		DeAngelis, Anthony	Spread in GCM hydrological cycle intensification linked to parameterizations of solar absorption by water vapor
		Feldman, Daniel	Simulating Hyperspectral Satellite Instrument Measurements in Pursuit of an Observational Constraint for Low- Cloud Feedbacks
		Fuchs, David	On the application of the fluctuation dissipation theorem to predict cloud responses from observations
		Huang, Yi	Cloud masking effect on radiative forcing
		Kamae, Youichi	Robustness in positive cloud amount feedback over the tropical land areas
		Long, Shangmin	Model uncertainty in rainfall projection: Ocean warming pattern effect on atmospheric circulation
		Ogura, Tomoo	Sensitivity of tropospheric adjustment to instantaneous radiative forcing
		Salzmann, Marc	Role of multidecadal Paci c variability for the 1950-1999 Indian summer monsoon drying
		Vial, Jessica	Low cloud responses to increased atmospheric CO2 concentration in the IPSL-CM5A mode
		Yuan, Tianle	The role of cloud and dust feedbacks in generating Tropical North Atlantic multidecadal variability
		Yue, Qing	Observation-based Longwave Cloud Radiative Kernels from the A-Train
14:00	14:45	SESSION 7: GCMs: FORCINGS AND GLOBAL CLOUD FEEDBACK (CONT.)	
14:00	14:15	Harrop, Bryce	The role of cloud radiative heating in determining the location of the ITCZ in aqua-planet simulations.
14:15	14:30	Zelinka, Mark	Don't Count on It: Reasons to Doubt a Strong Negative Cloud Feedback
14:30	14:45	Caldwell, Peter	Quantifying the Source of Inter-Model Spread in Equilibrium Climate Sensitivity
4:45		BREAK	
15:15		SESSION 7: GCMs: FORCINGS AND GLOBAL CLOUD FEEDBACK (CONT.)	
15:15	15:30	Jiang, Jonathan H.	Post-CMIP5 Model Improvements in Clouds and Water Vapor
15:30	15:45	Geoffroy, Olivier	Tropical fingerprints of low and high sensitivities in CMIP5 models.
15:45	16:00	Wagman, Benjamin M.	Examining cloud feedback-based emergent constraints in a single model ensemble
16:00	16:15	Zhou, Chen	Relationship between inter-annual and long-term cloud feedback
16:15	16:30	Kashinath, Karthik	Changes in tropical climate due to bifurcations of radiative convective equilibria
16:30	16:45	Ma, Tony	Will surface winds weaken in response to global warming?
16:45	17:15	Discussion of afternoon papers and posters	

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tart	End	Speaker	Topic
8:30	9:30	SESSION 8: REGIONAL CLOUD, CIRCULATION AND PRECIPITATION CHANGES	
8:30	8:45	Skinner, Chris	A process-based understanding of regional climate responses to CO2 forcing
8:45	9:00	Chadwick, Robin	Large rainfall changes expected over tropical land in the coming century
9:00	9:15	Allen, Robert	A 21st Century Northward Tropical Precipitation Shift Caused by Future Anthropogenic Aerosol Reductions
9:15	9:30	Burgman, Robert	Assessing the role of low cloud feedback in the recent Global Warming Hiatus: A Modeling Study.
9:30	9:45	Discussion of Morning Science Talks	
9:45	10:15	BREAK	
10:15	12:00	SESSION 9: CFMIP FUTURE PLANS AND RELATED ACTIVITIES	
10:15	10:30	Medeiros, Brian	CGILS Phase 2 preliminary results: Response to 4xCO2 in single-column models
10:30	10:45	Watanabe, Mashiro	The WCRP Grand Challenge on Clouds, Circulation and Climate Sensitivity
10:45	11:00	Fridlind, Ann	The Aerosols, Clouds, Precipitation and Climate Initiative (ACPC)
11:00	11:15	Pincus, Robert	The Radiative Forcing Model Intercomparison Project (RFMIP): Plans and possible collaborations with CFMIP
11:15	11:30	Bodas-Salcedo, Alejandro	Future Plans for COSP
11:30	11:45	Webb, Mark	Future CFMIP Experiments in CMIP6 and elsewhere
11:45	12:00	Discussion of CFMIP Future Plans and Related Activities	
12:00		Adjourn	