Workshop on convective clouds planned to be studied within the joint ACRIDICON—CHUVA campaign

MONDAY, 19 MAY 2014 (LIT Auditorium)		
13:30-17:30	**Management Group Meeting I (*by invitation only*)**	
TUESDAY, 20 MAY 2014 (IAI Auditorium)		
09:00	***Opening***	
09:00-09:30	Opening with Director of INPE, President of Brazilian Space Agency and Director of DCTA	
09:30-10:00	Scientific Objectives and Status	Luiz Machado, Manfred Wendisch, Paulo Artaxo
10:00	***ACRIDICON-CHUVA + GoAmazon Second IOP***	
10:00-10:15	How Urban Pollution Affects the Atmospheric Chemistry and Particle Microphysics over the Tropical Rain Forest as Observed during GoAmazon2014/5	Scot Martin
10:15-10:30	IARA Operation	Beat Schmid
10:30-11:00	*Coffee break*	
11:00-11:20	HALO Operation	Frank Probst, Manfred Wendisch
11:20-11:35	Flight patterns for documenting cloud-aerosol-precipitation-radiation interactions in convective	Daniel Rosenfeld
11:35-12:15	Discussions	
12:15-13:45	*Lunch*	
13:45-14:00	Amazonian Cloud Microphysics observed by Radar and Halo: Cloud Life Cycle, polluted and clean environments, upper air divergence and mass flux, entrainment and DSD parameterization.	Luiz Machado
14:00-14:15	Aerosol and CCN properties over the Amazon Basin	Andi Andreae
14:15-14:30	Primary & secondary biogenic aerosols serving as nuclei for cloud droplets and ice crystals	Ulrich Pöschl
14:30-14:45	Microphysical measurements in mixed phase and cirrus clouds	Martina Krämer
14:45-1500	Characteristics of aerosols from pristine and biomass burning impacted regions in Amazonia	Paulo Artaxo
15:00-15:15	Anthropogenic aerosol and land use effects on microphysical properties and cloud electrification of deep convective clouds in the Amazon	Rachel Albrecht
15:15-15:30	From Clouds to Thunderstorms	Carlos Morales
15:30-16:00	*Coffee break*	

16:00-16:15	Modeling microphysics effects in cloud life cycle in the context of ACRIDICON-CHUVA	Henrique Barbosa
16:15-16:30	Convective transport of trace gases: results from previous aircraft observations and studies planned during ACRIDICON	Hans Schlager
16:30-16:45	Remote Sensing and Radiative forcing	Manfred Wendisch
16:45-17:00	Analysis of surface optical properties using SMART-Albedometer data	Márcia Yamasoe
17:00-17:15	Deriving cloud microphysical properties from radiometric measurements in the Amazon Basin	Alexandre Correia
17:15-17:30	Retrieval of particle size profiles for cloud sides of deep-convective clouds	Tobias Zinner

WEDNESDAY, 21 MAY 2014 (IAI Auditorium)	
09:00-09:10	**Overview of poster section and Breakout sessions**
09:10-12:00	**Poster session** (with *Coffee Break*)
12:00-13:30	*Lunch*
13:30-15:30	**Breakout sessions of each working group** WORKING GROUP I - Microphysical properties (aerosol, clouds) and Glaciation and precipitation formation processes Moderators: Luiz Machado, Carlos Morales, Andi Andreae, Daniel Rosenfeld, Rachel Albrecht, Uli Pöschl and Martina Krämer WORKING GROUP II - Radiative properties satellite observations Moderators: Márcia Yamasoe, Daniel Vila, Rodrigo Souza, Manfred Wendisch and Tobias Zinner WORKING GROUP III - Chemical transformations and convective transport Moderators: Paulo Artaxo, Karla Longo and Hans Schlager All groups should discuss: - Scientific interactions - Joint flight plans
15:30-16:00	*Coffee break*
16:00-17:30	**Round Table about breakouts sessions**

THURSDAY, 22 MAY 2014 (IAI Auditorium)	
09:00-10:30	**General Discussions and Management Group Meeting II (open to all participants)**
10:30-11:00	*Coffee break*
11:00-12:00	**Workshop wrap-up**
12:00	*Workshop ends*

	Poster session (WEDNESDAY, 21 MAY 2014 09:10-12:00 - IAI Auditorium)	
	Title	**Presenter**
01	A comparison of the influence of aerosols on the atmospheric components of ECHAM-HAM model	Débora Alvim
02	Aerosol measurements during ACRIDICON-CHUVA – aerosol processing in convective systems and long-range transport	Daniel Sauer
03	Aerosol sampling for micro-spectroscopic single particle analysis and single particle soot photometry (SP2) on board of the HALO aircraft during ACRIDICON-CHUVA	Christopher Pöhlker
04	AMAZON SQUALL LINE CHARACTERISTICS DURING THE CHUVA PROJECT: A CASE STUDY	Clênia Alcântara
05	Amazonian convection analyses with LES simulation.	Theomar Trindade
06	Cloud condensation nuclei (CCN) measurements with the HALO aircraft during ACRICICON-CHUVA	Mira L. Krüger
07	Ground Based Remote Sensing and In Situ Measurements of Tropical and Anvil Cirrus Properties. Radiative effects study in Amazonia during September –October 2014Cirrus Properties. Radiative effects study in Amazonia during.	Boris Barja
08	Investigation of ice nucleating particles with the Fast Ice Nucleus Chamber (FINCH)	Diana Rose
09	KINEMATIC AND DYNAMIC ANALYSIS OF PROPAGATION OF THE RAIN CELLS AND CLOUD CLUSTERS IN THE AMAZON	Cristiano Wickboldt Eichholz
10	Long-term measurements of base and top height, optical depth and extinction-to-backscattering ratio of high clouds with high vertical and temporal resolution using a ground-based lidar system in central Amazon.	Diego Alves Gouveia
11	Numerical simulations over the Andean and Amazon regions using CRM/SAM model	Enver Ramirez Gutierrez
12	Overview of the ACRIDICON-CHUVA aircraft measurement instrumentation & parameters	Björn Nillius
13	Retrieval of vertical cloud properties of deep-convective clouds by spectral radiance measurements	Sandra Kanter
14	Sampling of drops and ice particles in deep convective cloud systems and analysis of their residuals (HALO mission ACRIDICON)	Stephan Mertes

15	Satellite Validation of Cloud Microphysical Properties	Daniel Vila
16	Spatial and temporal variability of the direct radiative forcing of smoke aerosols and the effects of land-use change over the Amazônia	Elisa Thomé Sena
17	Study of entrainment fluxes on the top of the boundary layer over central Amazonia using GOAMAZON measurements	Thomas Kaufmann
18	The analysis of microphysics data collected during the ACRIDICON - CHUVA project for validation of numerical models.	Gerson Paiva Almeida
19	Transition from shallow to thunderstorm cloud: a microphysical view of the cloud life cycle using radar and airplane measurements.	Micael A. Cecchini
20	UV/vis/nearIR Limb measurements from the DLR-HALO aircraft during the ACRIDICON-CHUVA field campaign	Klaus Pfeilsticker
21	Validation of trace gases products from Hyper Spectral Sounders with in situ aircraft instruments: a cross-comparison among the AIRS, IASI and CrIS	Rodrigo Souza