

Session A: Aerosols, Clouds and Precipitation	Chairperson: Christiane Voigt		
	9:00 - 9:15	Manfred Wendisch/ Evi Jäkel	ACRIDICON: Vertical distribution of the phase state of particles in tropical deep-convective clouds as derived from cloud-side reflected solar radiation measurements during ACRIDICON-CHUVA
	9:15 - 9:30	Tobias Zinner	Cloud droplet profiles from high-resolution airborne solar spectral imagery during ACRIDICON
	9:30 - 9:45	Mira Pöhlker	Cloud interaction of cloud condensation nuclei and black carbon aerosol particles
	9:45 - 10:00	Martin Schnaiter	Simultaneous cloud particle imaging and angular light scattering measurements with the novel PHIPS-HALO probe
	10:00 - 10:30 Coffee Break		
	Chairperson: Manfred Wendisch		
	10:30 - 10:45	Susanne Crewell	NARVAL: Next-generation aircraft remote sensing for validation studies
	10:45 - 11:00	Florian Ewald	A road towards EarthCARE: Remote sensing of ice cloud properties using combined lidar-radar measurements from HALO
	11:00 - 11:15	Bernhard Mayer / Bjorn Stevens	EUREC4A: a field campaign to elucidate the couplings between clouds, convection and circulation
11:15 - 11:30	Johannes Kiliani	Calibration of the Raman lidar at the Barbados Cloud Observatory	

Geodesy and Geophysics	Chairpersons: Christoph Förste and Maximilian Semmling		
	11:30 - 12:00	Fausto Ferraccioli	Keynote Presentation
	12:00 - 12:15	Christoph Förste	Airborne gravimetry onboard the HALO aircraft - results from the GEOHALO mission and outlook on the ANTHALO project
	12:15 - 12:30	Theresa Schaller	Inversion of airborne gravity data from the GEOHALO campaign to infer bathymetry in the Mediterranean around Italy
	12:30 - 14:00 Lunch Break		

Session D: Ge	Chairperson: Christoph Förste	
	14:00 - 14:15	David Becker Strapdown airborne vector gravimetry aboard HALO
	14:15 - 14:30	Maximilian Semmling Assessment of sea and ice reflectometry in preparation of the ANTHALO mission
	14:30 - 14:45	Olaf Eisen Operating ice-penetrating radars on GVs in Antarctica to improve climate and sea level change characteristics: ANTHALO as a multinational approach

nd Transformation of Chemical Composition: Multiphase and Photochemical Processing	Chairperson: Martin Riese	
	14:45 - 15:15	James Crawford Keynote Presentation
	15:15 - 15:30	Andreas Fix CoMet: Carbon Dioxide and Methane Mission for HALO
	15:30 - 15:45	Lola Hernández EMeRGe: Overview, progress, and planned campaigns
	15:45 - 16:00	Katja Bigge Aircraft-based 2- and 3D measurements of trace gases with the Heidelberger airborne imaging DOAS Instrument (HAIDI) during the Phase II Mission EMeRGe
	16:00 - 16:15	Klaus Pfeilsticker Overcoming the difficulties of multiple scattering in the interpretation of air-borne UV/Vis/nearIR limb observations for high precision mini-DOAS measurements of trace gases and cloud parameters from HALO
	16:15 - 16:45	Coffee Break
	Chairperson: Andreas Engel	
	16:45 - 17:00	Hermann Oelhaf The Polar Stratosphere in a Changing Climate (POLSTRACC): Mission overview
	17:00 - 17:15	Michael Höpfner NO _y -redistribution and chlorine deactivation observed with GLORIA during the Arctic winter 2015/16 POLSTRACC campaign
	17:15 - 17:30	Jens-Uwe Grooß Vertical NO _y -redistribution in the winter 2015/2016
	17:30 - 17:45	Andreas Marsing Chlorine partitioning in the extreme Arctic winter 2015/2016

Session C: Transport a	17:45 - 18:00	Michael Volk	In situ observations of CO ₂ and tracers with the HAGAR-V instrument during POLSTRACC/GW-LCYCLE/SALSA
	18:00 - 18:15	Jens Krause	Seasonal contrasts of air mass composition in the extratropical UTLS measured on board the HALO research aircraft
	18:15 - 18:30	Martin Riese	First 3D measurements of temperature fluctuations induced by gravity wave with the infrared limb imager GLORIA