

► RiiS programme

Monday 5 NOVEMBER

08h30 – 10h00	Registration & Coffee	
10h00 – 11h00	Opening Session	Chair A. Hauchecorne
11h00 – 12h30	Session 1, part-1 <i>Clouds, cirrus and dehydration processes</i>	Chair T. Shepherd
25+5 mn	Pommereau Jean-Pierre (Dr)	Invited <i>Troposphere-Stratosphere Transport in the tropics</i>
15+5 mn	Bekki Slimane (Dr)	<i>Water vapour sources of the tropical lower stratosphere</i>
15+5 mn	Immler Franz (Dr)	<i>Equatorial Kelvin waves, cirrus clouds, and dehydration in the TTL</i>
15+5 mn	Berthelier Jean-Jacques (Dr)	<i>Balloon electric field measurements in the vicinity of an active convective storm during the AMMA campaign</i>
12h30 – 15h00	Lunch Break	
15h00 – 16h50	Session 1, part-2 <i>Clouds, cirrus and dehydration processes</i>	Chair R. Markus
25+5 mn	Bormann Stephan (Prof)	Invited <i>Ultrafine aerosols and cloud particles from Cb anvils and stratospheric Cb overshoots: Tropical UT/LS measurements from South- and Meso-America, Northern Australia and Western Africa</i>
15+5 mn	Fierli Federico (Dr)	<i>Cirrus clouds in convective outflow during the HIBISCUS campaign</i>
15+5 mn	Fu Rong (Dr)	<i>Role of convection over the Tibetan Plateau in seasonal hydration of the global tropical stratosphere</i>
15+5 mn	James Ronan (Dr)	<i>Dehydration processes in the Indian Monsoon anticyclone</i>
15+5 mn	Keckhut Philippe (Dr)	<i>Cirrus climatology at mid-latitude observed with lidar</i>
16h50 – 17h15	Poster Presentation (a short oral presentation: 1-2 mn / poster) ► S1, S2, S3, S4	
17h15 – 18h30	Poster Session	S1, S2, S3, S4, S5, S6

09h00 – 10h50	Session 2 <i>Dynamical barriers & isentropic transport across the subtropical barriers</i>	Chair N. Harris
25+5 mn	Santee Michelle (Dr) <i>Studies of the extratropical upper troposphere and lower stratosphere using new trace gas measurements from Aura MLS</i>	Invited
15+5 mn	Ricaud Philippe (Dr) <i>Time variations of equatorial nitrous oxide in the stratosphere: Implication to transport processes</i>	
15+5 mn	Kirgis Guillaume (Mr) <i>Evaluation of Transport across Dynamical Barriers by Multivariate Analysis</i>	
15+5 mn	Mahumane Gilberto (Dr) <i>Contribution of stratospheric-tropospheric exchange to elevated ozone events over Johannesburg</i>	Invited
15+5 mn	Sanjay Kumar Mehta (Dr) <i>Diurnal Variation of the Tropical Tropopause using MST Radar</i>	
10h50 – 11h10	Refreshment & Coffee Break	
11h10 – 12h20	Session 3 <i>Tropics, mid-and high-latitude interaction mechanisms: SSW, QBO, Brewer-Dobson circulation, etc.</i>	Chair P. Keckhut
25+5 mn	Stahelin Johannes (Prof) <i>Recent results concerning transport by QBO and Brewer Dobson circulation derived from statistical modelling of long-term ozone series</i>	Invited
15+5 mn	Debashis Nath (Dr) <i>Inertia-gravity wave characteristics observed over a tropical station using intensive GPS Radiosonde soundings</i>	
15+5 mn	d'Ovidio Francesco (Dr) <i>Lyapunov diffusion, tropical pipe, and the Quasi-Biennial Oscillations</i>	
12h20 – 15h00	Lunch Break	
15h00 – 16h30	Session 3 (continued) <i>Tropics, mid-and high-latitude interaction mechanisms: SSW, QBO, Brewer-Dobson circulation, etc.</i>	Chair J. Pyle
25+5 mn	Legras Bernard (Dr) <i>Age of air and heating rates</i>	Invited
15+5 mn	Urban Joachim (Dr) <i>Tropical Ascent and Polar Descent of Lower Stratospheric Air Analysed using Measurements of the Odin Sub-Millimetre Radiometer</i>	
15+5 mn	Vidyaranya Charyulu (Mr) <i>Rayleigh lidar investigations of stratospheric sudden warming over three different Northern Hemisphere stations: Comparative studies on statistical characteristics</i>	
15+5 mn	Hauchecorne Alain (Dr) <i>Response of tropical stratospheric ozone and NO₂ to the equatorial quasi biennial oscillation as seen from GOMOS on board ENVISAT</i>	
16h30 – 17h00	Poster Presentation (a short oral presentation: 1-2 mn / poster) ▶ S5, S6	
17h00 – 18h30	Poster Session	S1, S2, S3, S4, S5, S6

09h00 – 12h30	Excursion(s)	
12h30 – 14h00	Lunch	
14h00 – 15h30	Session 4, part-1 <i>Effects and mechanisms of the stratosphere -troposphere exchange</i>	<i>Chair</i> S. Godin-Beekmann
25+5 mn	Shepherd Theodore G. (Prof) <i>Transport and mixing in the tropical stratosphere and upper troposphere</i>	Invited
15+5 mn	Barret Brice (Dr) <i>Study of the transport pathways of pollution in the tropical upper troposphere through the assimilation of spaceborne CO observations in the MOCAGE model</i>	
15+5 mn	Harris Neil (Dr) <i>Transport through the TTL</i>	
15+5 mn	Ricaud Philippe (Dr) <i>Impact of land convection on troposphere-stratosphere exchange in the tropics</i>	
15h30 – 15h50	Refreshment & Coffee Break	
15h50 – 17h40	Session 4, part-2 <i>Effects and mechanisms of the stratosphere -troposphere exchange</i>	<i>Chair</i> A. Thompson
25+5 mn	Chaboureau Jean-Pierre (Dr) <i>Contribution of Mesoscale Modelling for Study of Troposphere Stratosphere Exchanges</i>	Invited
15+5 mn	Vernier Jean-Paul (Mr) <i>Evaluation of upwelling in the lower tropical stratosphere from the upward motion of the volcanic aerosols of La Soufriere Hills eruption in May 2006 as seen by CALIPSO</i>	
15+5 mn	Devara Panuganti C.S. (Dr) <i>Lidar-Radar sounding of atmosphere around tropical tropopause: Implications on stratosphere-troposphere exchange processes</i>	
15+5 mn	Homan Carine (Ms) <i>Vertical mixing of air in the TTL during the SCOUT-O3 and AMMA/SCOUT aircraft campaigns</i>	
15+5 mn	Rex Markus (Dr) <i>Ascent rates, dehydration and vertical diffusion in the tropical tropopause region and lower stratosphere</i>	
17h40 – 18h30	Poster Session	All S1, S2, S3, S4, S5, S6
SYMPOSIUM BANQUET		

09h00 – 10h50	Session 5 <i>Data, measurements, campaigns in the tropical stratosphere -UT region, and networking</i>	<i>Chair</i> P. Devara
25+5 mn	Thompson Anne (Prof) <i>Ten Years of Tropical Stratosphere-Troposphere from SHADOZ (Southern Hemisphere Additional Ozonesondes)</i>	Invited
15+5 mn	Senten Cindy (Ms) <i>Ground-based FTIR measurement campaigns at Ile de La Réunion: Campaign specifications, retrieval method and results</i>	
15+5 mn	Mandal Tuhin Kumar (Dr) <i>Role of STE on tropospheric/stratospheric ozone in relation with tropopause variation over Asian region</i>	Invited
15+5 mn	Schmidlin Francis (Dr) <i>ECC Ozone sonde Performance, Dependability, and Comparisons</i>	
15+5 mn	Fierli Federico (Dr) <i>The M55 Geophysica deployment during the west african Monsoon: overview of the scientific findings results</i>	Invited
10h50 – 11h10	Refreshment & Coffee Break	
11h10 – 12h30	Session 6 <i>Variability and trend assessment in the tropical stratosphere -UT region</i>	<i>Chair</i> P. Ricaud
25+5 mn	Pyle John (Prof) <i>Chemistry-climate modelling at the UTLS</i>	Invited
15+5 mn	Kulkarni Padmavati Dhruvaraj (Dr) <i>Features of Upper Troposphere and Lower Stratosphere aerosols from LIDAR at Gadanki, a tropical Indian station</i>	
15+5 mn	Baray Jean-Luc (Dr) <i>Long-term tropospheric ozone behaviour at Reunion Island and Irene based on linear trends calculations</i>	
12h30 – 14h00	Lunch Break	
14h00 – 15h00	Session 6 (continued) <i>Variability and trend assessment in the tropical stratosphere -UT region</i>	<i>Chair</i> M. De Mazière
25+5 mn	Rosenlof Karen (Dr) <i>Long-term trends in temperature and water vapour in the tropical lower stratosphere</i>	Invited
15+5 mn	Sharma Som (Dr) <i>Rayleigh Lidar study of middle atmospheric thermal structure over a high altitude sub-tropical station (Mt. Abu, 24.5 °N, 72.7 °E)</i>	
15+5 mn	Dessens Olivier (Dr) <i>Change in bromine concentration of the stratosphere in 2100 due to climate change and its impact on ozone</i>	
15h00 – 15h15	Refreshment & Coffee Break	
15h15 – 16h30	Closing Session & Discussion	<i>Chair</i> J.P. Pommereau

09h00 - 10h00	LACy & OPAR visit → at the University	
10h00 - 11h30	Restitution Session Feed-back to medias, local and national partners/sponsors, University Campus, St-Denis	<i>Chair</i> Jean-Pierre CHABRIAT <i>Professor Dean of Faculty of Sciences</i>