

International Workshop on Chemistry-Climate Interactions (16-18 October, 2019)

Venue: 2009 Lecture hall, the 20th floor of Guanyun Building, Panxuan Road Campus, Lanzhou University

16 th Oct.	Opening ceremony		
	08:30-08:45	Welcome speech	
	08:45-09:00	Welcome speech	
	09:00-09:10	Group photo	
	09:10-09:30	Coffee break	
	Session chair: John Plane		
	09:30-09:55	Stratospheric Ozone: From its Discovery to its Recovery	Guy Brasseur
	09:55-10:20	Whole Atmosphere Observation Over Tibet with APSOS System – From Surface to Lower Thermosphere	Daren Lyu
	10:20-10:45	Potential Impact of Renewed CFC-11 Emissions on the Recovery of	Martyn Chipperfield

		the Antarctic Ozone Hole	
	10:45-11:10	Quantifying gravity wave forcing using scale invariance	Hanli Liu
	11:10-11:35	The ground-based airglow observation network over China and some observation results of gravity wave events propagated from the troposphere to the upper atmosphere	Jiyao Xu
	11:35-12:00	Estimation of QBO Forcing by the Equatorial Waves Using Satellite Observations	Zeyu Chen
Lunch&Buffet			
Session chair: Guy Brasseur			
	14:30-14:55	Cosmic Dust in the Earth's Atmosphere	John Plane
	14:55-15:20	Interannual and decadal changes in tropospheric ozone in China and the associated chemistry-climate interactions	Hong Liao

	15:20-15:45	Multi-model analysis of Asian summer monsoon transport over Western Pacific	Laura Pan
	15:45-16:10	Overview of the iMAPEC 2017/2018 Experiment: a multi-platform field campaign on haze pollution in eastern China	Aijun Ding
	16:10-16:35	Aerosol measurement in Lhasa in 2019 summer.	Jianchun Bian
	16:35-16:50	Coffee break	
	Session chair: William Randel		
	16:50-17:15	Analysis of Halogen Heterogeneous Chemistry in the Stratosphere and Near Tropopause Regions using Satellite Observations and Model Information	Douglas Kinnison
	17:15-17:40	The Influences of the Model Configuration on the Simulation of Stratospheric Northern-Hemisphere Polar Vortex in the CMIP5 Models	Wen Chen

	17:40-17:05	Ozone layer evolution during early 20th century	Evgueni Rozanov
	17:05-18:30	Stratospheric ozone-induced cloud radiative effects on Antarctic sea ice	Yongyun Hu
Dinner&Banquet			
Session chair: Martyn Chipperfield			
17 th Oct.	08:30-08:55	Deriving stratospheric age-of-air spectra from satellite water vapor measurements	William Randel
	08:55-09:20	Preliminary results of 2019 STEAM project- STE campaign over TP	Yi Liu
	09:20-09:45	Environmental Research Letters LETTER • THE FOLLOWING ARTICLE IS OPEN ACCESS Tropospheric jet response to Antarctic ozone depletion: An update with Chemistry-Climate Model Initiative (CCMI) models	Seok-Woo Son

	09:45-10:10	Understanding the variational stratosphere–troposphere coupling during stratospheric NAMs from a mass circulation perspective	Rongcai Ren
	10:10-10:30	Coffee break	
	Session chair: Wen Chen		
	10:30-10:55	Impact of ECMWF ERA-Interim and ERA5 reanalysis on the simulated ozone using a chemical transport model TOMCAT/SLIMCAT	Wuhu Feng
	10:55-11:20	The Coupling between the Tropospheric and Stratospheric Polar Vortex and Its Impact on Mid-latitude Weather	Wenshou Tian
	11:20-11:45	Black carbon lofts wildfire smoke high into the stratosphere to form a persistent plume	Pengfei Yu
	11:45-12:10	An Improved Hydrometeor Detection Method for Millimeter Cloud Radar and its Application to CloudSat	Jinming Ge

	Lunch&Buffet		
	Session chair: Yongyun Hu		
	14:30-14:45	Feeling the pulse of the stratospheric mass circulation: An emerging opportunity for sub-seasonal prediction of cold-air outbreaks	YueyueYu
	15:00-15:15	Influence of dynamic and thermal forcing on the meridional transport of the Taklimakan dust in spring and summer	Siyu Chen
	15:15-15:30	Large Uncertainties in Estimation of Tropical Tropopause Temperature Variabilities Due to Model Vertical Resolution	Wuke Wang
	15:30-15:45	Strengthening of the stratospheric Arctic vortex related to the warmed central North Pacific	Dingzhu Hu
	15:45-16:00	Multi-scale modeling of air pollution in Hong Kong	Yuting Wang
	16:00-16:15	Coffee break	

	16:15-17:30	Poster session
18 th Oct.	09:00-10:00	Summary and outlook Discussion
	10:00-18:00	Group communications