

Poster Lightning Session: PS4

Boulder: Tue 9am

Reading: Tue 4pm

Yellow = online

Presenter	Title
Ales Kuchar	Role of gravity waves detected by AIRS in shaping stratospheric polar vortex
Dhruba Banerjee	The influence of different solar activities like mean Sun spot number (SSN), Solar flux F10.7, Lyman Alpha flux and Total solar Irradiance(TSI) over Tropical Cyclones and Atlantic Hurricanes during 1979 to 2018
Dominika Hájková	Analysing differences of orographic gravity wave parameterization schemes in CMIP6 models
Felix Jäger	Robust poleward jet shifts in idealised baroclinic-wave life-cycle experiments with noisy initial conditions
Franziska Zilker	Stratosphere-troposphere coupling under the extreme conditions of the No-Montreal-Protocol scenario
Gabriel Chiodo	The climatic impacts of halocarbons in CMIP6 models
Haruka Okui	Preconditioning in the Mesosphere and Stratosphere Prior to Stratospheric Sudden Warmings and Roles of Waves in Its Mechanism
Herman Fuglestedt	High-Latitude Volcanic Eruptions – Aerosol Formation Controlled by Internal Variability of the Stratosphere
Dong-Chan Hong	Downward influence of Sudden Stratospheric Warmings: A case study of 2018 SSW
Marina Friedel	Ozone-induced Modulation of Final Stratospheric Warmings and their Effects on Surface Climate
Matthew Davison	A Reaction, Diffusion and Dynamics Model of the Tropical Atmosphere
Feiyang Wang	Influence of stratospheric polar vortex on the tropical convection related to MJO
Muhsin Muhammed	Diurnal variations on the thermal structure of the troposphere and lower stratosphere using balloon-borne observation
MUSAID P P	Asian summer monsoon anticyclone and its relationship with tropical easterly and subtropical westerly jets
Rachel Wai-Ying Wu	Understanding the Differences in the Sub-seasonal Predictability of Extreme Stratospheric Events: The extreme wave activity flux events in 2009 and 2018
Samuel Benito-Barca	Driving mechanisms for the ENSO impact on stratospheric ozone
Tómas Zoëga	Modelling the regional climate response of the 2014-15 Holuhraun eruption using CESM with variable resolution
Veenus Venugopal	Modulation of Brewer-Dobson Circulation's intensity and stratospheric composition by sudden stratospheric warming events
Xin Zhou	Prolonged Impact of Volcanic Eruption on Stratospheric Water Vapour
Zhihong Zhuo	Impacts of tropical versus extratropical volcanic eruptions co-injecting sulphur and halogen to the stratosphere
Zihao Wang	Impact of Chlorine from Very Short-Lived Substances on Stratospheric Ozone
Tian Wan	Distinct prediction skill of the Northern Hemispheric wintertime surface air temperature dependent on the QBO phase
Yalan Fan	Gain of one-month lead predicting spring rainfall over China: a comparison between FGOALS-f2 ensemble prediction system and its driving stretched-grid downscaling prediction system
Yuxian Pan	Intraseasonal Melting of Northern Barents Sea Ice Forced by Circumpolar Clockwise-Propagating Atmospheric Waves during Early Summer.
Hyeong-Oh Cho	A critical role of the North Pacific bomb cyclones in the onset of the 2021 sudden stratospheric warming
Jinlong Huang	Stratospheric Influence on the Development of the 2018 Late Winter European Cold Air Outbreak
Jiyoung Oh	Impact of Stratospheric Ozone on the Subseasonal Prediction in the Southern Hemisphere Spring
Kasturi Shah	Phase unlocking and the modulation of tropopause-level trace gas advection by the quasibiennial oscillation
Khalil Karami	The Holton-Tan mechanism under stratospheric aerosol interventions
Masha Tarasevich	Sources of the winter NAO predictability in seasonal hindcasts of the INM RAS climate model
Natasha Trencham	Causes of the lack of Solar/QBO-MJO connection in certain CMIP6 models
Radek Zajíček	Not only is the Brewer-Dobson circulation increasing and moving upward.
Priyanka Yadav	The role of the stratosphere in teleconnections arising from slow and fast MJO episodes

Vasilisa Vorobyeva	Assessing the seasonal prediction skill of the INMCM5 climate model in winter and summer hindcasts
Hemanth Kumar Alladi	Variability in the UTLS chemical composition during different modes of the Asian Summer Monsoon Anti-cyclone