Poster Session: BS1

Mon 8:30 am - Tue 7 pm (MDT)

ID #	Presenter	Title	Online?	
BS1-1	Aaron Match	Tropospheric expansion under global warming reduces tropical lower stratospheric ozone		ECR
BS1-2	Alexis Mariaccia	New classification showing the stratospheric memory concept: towards a better seasonal prediction		ECR
BS1-3	Aman Gupta	Gravity Wave Momentum Flux Estimation Across Observations, Reanalyses and High-Resolution Models		ECR
BS1-4	Amit Kumar Pandit	Micro-COPP: A Balloon-borne Package for Ice-Cloud Microphysics, Results from the BATAL Campaigns		ECR
BS1-5	Anne Smith	Interaction of the QBO and SAO		
BS1-6	Anne Thompson	Quality Assurance in Ozonesonde Profiles for Satellite and Trends Studies: JOSIE and the 2021 ASOPOS (Assessment of Standard Operating Procedures (SOPs) for OzoneSondes) 2.0 WMO/GAW Report 268		
BS1-7	Claire Valva	A data-driven analysis of the Quasi-Biennial Oscillation with Koopman modes		ECR
BS1-8	David Flittner	Stratospheric water vapor variations as observed by the Stratospheric Aerosol and Gas Experiment III/International Space Station		
BS1-9	David Plummer	Assessment of transport in the latest Chemistry Climate Model Initiative (CCMI-2022) simulations		
BS1-10	Debra E Kollonige	Southern Hemisphere Additional Ozonesondes (SHADOZ) Network and Archive Activities: A 2022 Update		
BS1-11	Dillon Elsbury	The response of the North Pacific jet and stratosphere-to-troposphere mass transport over western North America to RCP8.5 climate forcing		ECR
BS1-12	Hamid A. Pahlavan	QBO Modulation of Stratospheric Gravity Waves: A Reanalysis Perspective with ERA5		ECR
	Hemanth Kumar Alladi	Variability in the UTLS chemical composition during different modes of the Asian Summer Monsoon Anti-cyclone	online	ECR
BS1-13	Hongwei Sun	Investigate Particle Transport in the Stratosphere for Stratospheric Aerosol Injection		ECR
BS1-14	Jae Won Lee	The Evolutions and Large-scale Mechanisms of Summer Stratospheric Ozone Intrusion across Global Hotspots		ECR
BS1-15	Jeannette Wild	Celebrating 31 years of the Network for the Detection of Atmospheric Composition Change (NDACC)		
BS1-16	Jonathon Wright	Aerosol Effects on Clear-Sky Shortwave Heating in the Asian Monsoon Tropopause Layer		
BS1-17	Joowan Kim	Relationship between TTL ozone and stratospheric water vapor: Insight from CCMI models		
BS1-18	Joshua Schwarz	Pyrocumulonimbus significantly impact the stratospheric aerosol budget		
BS1-19	Kai Huang	The Impacts of the QBO on MJO Case Hindcasts in CESM2 Prediction System		ECR
BS1-20	Kate Smith	Observations of short-lived (< 6 months) trace gas species in the lower stratosphere over North America during the Summer of 2021		ECR
BS1-21	Kimberlee Dube	Tropopause-level NOx in the Asian Summer Monsoon		ECR
BS1-22	Krzysztof Wargan	M2-SCREAM: A Stratospheric Composition Reanalysis of Aura MLS		
BS1-23	Larry Thomason	Comparing the frequency and intensity of stratospheric smoke events seen by SAGE II (1984-2005) and SAGE III (2017-2022)		
BS1-24	Laura Saunders	Evaluating simulations of short-lived climate forcers using ACE-FTS		ECR
BS1-25	Louis Rivoire	Constraining STT ozone fluxes with total column ozone retrievals		ECR
BS1-26	Lucia Yang	Sampling Strategies for Training Machine Learning emulators of Gravity wave parameterizations		ECR
BS1-27	MADHU VAZHATHOTTATHIL	Spatio - Temporal variability of air pollutants over Indian region using daily national air quality reports		
BS1-28	Mahesh Kovilakam	Revisiting GloSSAC using Space based Measurements		
BS1-29	Martina Bramberger	Observations of gravity waves stationary to convective cells and their effects in the upper tropical tropopause layer		ECR
BS1-30	Marvin Geller	Atmospheric Turbulence in the Vicinity of the Tropopause		
BS1-31	Nathaniel Livesey	The Continuity Microwave Limb Sounder (C-MLS) – Capitalizing on New Technology to Continue the MLS Record of Daily Global Middle Atmosphere Composition Observations.		
BS1-32	Nicholas Ernest	Deriving aerosol size distributions from the University of Wyoming optical particle counter measurements at SAGE II wavelengths		ECR
BS1-33	Patrick Sheese	ACEFTS-derived trends in ozone and ozone related species in the upper troposphere and stratosphere		
BS1-34	Peter Effertz	Updated Trends of the Stratospheric Ozone Vertical Distribution at Select NOAA Global Monitoring Laboratory Dobson Monitoring Stations Based on the LOTUS Regression Model		
BS1-35	Pragallva Barpanda	What causes atmospheric blocks? - A new perspective using the finite amplitude wave activity theory		ECR
	Rob Carver	ARCO-ERA5: An Analysis-Ready Cloud-Optimized Reanalysis Dataset	online	
	Robert Damadeo	The Stratospheric Aerosol and Gas Experiment (SAGE) IV Pathfinder	online	
BS1-36	Ryan Stauffer	SHADOZ's Silver Anniversary: 25 Years of Accomplishments from the Premier Tropical Ozonesonde Network		ECR
BS1-37	Sean Davis	The Stratospheric Water and OzOne Satellite Homogenized (SWOOSH) version 2.7 data set: Updates, their implications, and preparing for the loss of the Aura Microwave Limb Sounder		
BS1-38	Valery Yudin	Tidal Dynamics and Diurnal Cycles in the Troposphere and Middle Atmosphere		
BS1-39	Victoria Treadaway	Tropical Cyclone Impacts on Upper Tropospheric Halocarbon and Hydrocarbon Mixing Ratios		ECR
BS1-40	Xinyue Wang	Stratospheric Responses to the Hunga Tonga Volcanic Eruption		ECR
BS1-41	Yaowei Li	Volcanic and Wildfire Perturbations of Aerosols in the Stratosphere and Upper Troposphere during the DCOTSS Airborne Mission		ECR
BS1-42	Yuanpu Li	The influence of the stratospheric quasi-biennial oscillation on the tropical easterly jet over the ocean continent		ECR
BS1-43	Yue Jia	Quantifying the accuracy and stability of ozone measurements from the Ozone Mapping and Profiler Suite Limb Profiler (OMPS-LP) for inclusion into a long-term climate data record		ECR
BS1-44	Yunqian Zhu	Perturbations in stratospheric aerosol evolution due to the water-rich plume of the 2022 Hunga-Tonga eruption		

Poster Session: BS2

Wed 9 am - Thu 7 pm (MDT)

Yellow = online

ID #	Presenter	Title	
BS2-1	Amy Butler	Modulation of extratropical winter temperature trends by stratospheric decadal variability	
BS2-2	Amy Butler	The wave geometry of final stratospheric warming events	
BS2-3	Catherine Wilka	The Importance of Single Wavenumber Interactions for Stratospheric Dynamics	ECR
BS2-4	Clara Orbe	Dynamical and Trace Gas Responses of the Quasi-Biennial Oscillation to Historical and Future Climate Change	
BS2-5	Daniele Visioni	ESM differences in stratospheric transport and aerosol microphysics as inferred by the GeoMIP G6Sulfur experiment	ECR
BS2-6	David Connelly	Online Performance of Data-Driven Gravity Wave Parameterizations: Regression Tree Approaches	ECR
BS2-7	Deepashree Dutta	Polar stratospheric clouds in the Arctic during the early Eocene	ECR
BS2-8	Ellis Remsberg	On dynamical impacts on stratospheric water vapor trends above Boulder, Colorado	
BS2-9	Ewa Bednarz	Climate impacts from sulfate aerosol injection and their dependence on the injection latitude	ECR
BS2-10	Feng Li	Impacts of Stratospheric Ozone Recovery on Southern Ocean Heat Content, Heat Uptake and Meridional Ocean Heat Transport	
	Gloria Manney	Relationships between stratospheric polar vortex variability and upper tropospheric jet and tropopause variations, in the context of stratospheric influence on the surface	
BS2-11	Jadwiga Richter	Subseasonal predictability from atmospheric, land, and ocean initial states	
	Jiabao Wang	High Vertical Resolution CESM Dataset for S2S prediction	ECR
BS2-12	Jingyuan Li	The influence of AMOC on monsoonal circulations	ECR
BS2-13	John Albers	A machine learning framework for subseasonal forecasting and the diagnosis of dynamical sources of forecast skill	
BS2-14	John Dykema	The organic contribution to stratospheric aerosol radiative properties	
BS2-15	Jonathan Beverley	Rapid development of ENSO-related seasonal forecast errors	ECR
BS2-16	Juan A. Añel	An update on the contraction of the stratosphere caused by increasing carbon dioxide	
BS2-17	Kaley Walker	Investigating the Atmosphere Using Climatologies from the Atmospheric Chemistry Experiment (ACE) data set	
BS2-18	Kane Stone	On the Southern Hemisphere Stratospheric Response to ENSO and Its Impacts on Tropospheric Circulation	
	Karen Smith	Impacts of Stratospheric Ozone Extremes on Arctic High Cloud	
	Kasturi Shah	Phase unlocking and the modulation of tropopause-level trace gas advection by the quasibiennial oscillation	ECR
BS2-19	Kevin Bloxam	A CMIP6 Analysis of Temperature Trends in the Winter Arctic Stratosphere and the Role of Sudden Stratospheric Warmings	ECR
BS2-20	Lan Luan	Tropical tropopause layer structure and the roles of waves during QBO disruptions	ECR
BS2-21	Lon Hood	QBO/Solar Modulation of the Tropical Madden-Julian Oscillation: A Mechanism Based on Extratropical Wave Forcing in Late Fall / Early Winter	
BS2-23	Martin Jucker	Towards a new definition of SSWs in the Southern Hemisphere	
BS2-24	Martin Jucker	Lifecycle of Major Sudden Stratospheric Warmings in the Southern Hemisphere from a Multi-Millennial GCM Simulation	
BS2-24	Natalia Calvo	The Brewer-Dobson circulation in CMIP6 models	
BS2-22	Natasha Trencham	Causes of the lack of Solar/QBO-MJO connection in certain CMIP6 models	ECR
BS2-25	Nicholas Davis	Limited surface impacts of the January 2021 sudden stratospheric warming	ECR
BS2-26	Ofer Shamir	A 1D QBO model testbed for data-driven gravity wave parameterization: Calibration and Generalization	ECR
BS2-27	Oliver Millin	The Stratospheric Connection to Cold Air Outbreaks in the Great Plains of the United States	ECR
BS2-28	Pragallva Barpanda	Role of Subtropical Rossby Waves in Amplifying the Kelvin-Mode Circulation Component of the Madden-Julian Oscillation	ECR
BS2-29	Pu Lin	Stratosphere simulated in a global ultra-high resolution atmospheric model	
BS2-30	Rei Ueyama	Convective modulation of chemical composition and its variability in the upper troposphere and lower stratosphere	
BS2-31	Salauddin Mohammad	A cloud model study of internal gravity wave breaking atop a high shear supercell in US High Plains	ECR
BS2-32	Salauddin Mohammad	Seasonal effects of atmospheric waves over tropical tropopause using radiosonde observations at Hyderabad, India	ECR
BS2-33	Sebastian Rhode	A fast parametrization of oblique mountain wave momentum flux transport	ECR
BS2-34	Simon Lee	Large Modulation of Atmospheric Rivers by the Arctic Stratospheric Polar Vortex	ECR
BS2-35	Ying Dai	Dynamics and Impacts of the North Pacific Eddy-Driven Jet Response to Sudden Stratospheric Warmings	ECR
	Yutian Wu	Use of Idealized Tracers to Investigate Summertime Troposphere-Stratosphere Coupling and Transport	

BS2-36	Zoe Gillett	Sensitivity of the Southern Hemisphere Wintertime Teleconnection to the Location of ENSO Heating	ECR