POSTER SESSION

1 Garu Muni Wathsala Lakakpriya Gunawardena (Moratuwa University) et al. Infrared-Based Structural Analysis of Tropical Cyclones: A Comparative Study Across Global Basins

2 Shoma Fukui (Graduate School of Environment and Information Sciences, Yokohama National University) et al. The Relationship between Typhoons Intensity Changes and Lightning Activity Based on eXplainable AI Analysis

3 Alwin Andriel L. Bathan (Manila Observatory) et al. The Role of the Moisture Conveyor Belt on High Precipitation Events over the Western Coast of the Philippines During the Southwest Monsoon Season

4 Li Jia (National Meteorological Center, Beijing, China) et al. Characteristics and Preliminary Causes of Tropical Cyclone Remote Precipitation over China

5 Warnasooriya Mudiyanselage Ishini Tecla Warnasooriya (Department of Information Technology, Faculty of Computing) et al. Cyclone Pattern Analysis Near Sri Lanka Using ERA5 and IBTrACS Data: A 40-Year Retrospective Study

6 Xinchen Wei (Disaster Prevention Research Institute, Kyoto University) et al. Economic Loss Ranking of Tropical Cyclones Affecting Japan in the Past 50 years

7 Yi-Hsuan Huang (National Taiwan University) et al. Tropical Cyclones and Sea Surface Temperature Patterns over the Western North Pacific: Present and Future

8 Xu Mingrui (Fudan University) et al. Modulation of ENSO-Tropical Cyclone Genesis Frequency Relationship by Sea Surface Warming of Different Spatial Patterns

9 Yiwen Mao (Hokkaido University) et al. Classification of Historical Typhoon Tracks by Self-Organizing Maps and the Corresponding Typhoon Induced Rainfall Patterns in Japan

10 Leo Vinour (Hokkaido University) et al. The Nature, Dynamics and Interactions of Organized Spiral Banded Patterns in a Typhoon: An Investigation Based on an LES Simulation and SAR Imagery.

11   Yasuko Okada (Japan Meteorological Business Support Center) et al. Observed and d4PDF-Simulated Impacts of Different El Niño Transition Types on Summer Precipitation and Tropical Cyclone-Related Precipitation Around Japan

12   Matsuo Yoshiki (Kyoto University) et al. Relationship Between Typhoon Characteristics and ENSO Indices Based on the Fixed-SST Ensemble Climate Experiments by MRI-AGCM

13   Bernard Alan Baluyut Racoma (Institute of Environmental Science and Meteorology College of Science, University of the Philippines, Diliman) et al. Characteristics and Near-Landfall Behavior of Tropical Cyclones Affecting the Philippines (1979–2024)

14   Takuya Tobara (YNU) et al. Aerosol Sensitivity Experiments on an Isolated Cumulonimbus under a Typhoon Environment Using the Super-Droplet Method

15   Shao-Yu Tseng (Department of Atmospheric Sciences, National Taiwan University) et al. The Dependence on Moisture Distribution in Different Convection Aggregation Stages for Tropical Cyclone Seed Genesis

16   Sheikh Fahim Faysal Sowrav (Department of Oceanography and Hydrography, Bangladesh Maritime University) et al. Enhanced Cyclone Intensification in the Bay of Bengal: The Role of Marine Heatwaves and Implications for Coastal Bangladesh

17   Marguerite Lee (Atmosphere and Ocean Research Institute, University of Tokyo) et al. Understanding the Impact Cold Pools Have on an Approaching Typhoon Using the Non-hydrostatic Icosahedral Atmospheric Model (NICAM)

18   Rafaela Jane P. Delfino (Institute of Environmental Science & Meteorology, University of the Philippines - Diliman) et al. High-Resolution Modeling of Philippine Damaging Typhoons Under Past and Future Climates: Insights from the Storyline Approach

19   Masaki Satoh (Atmosphere and Ocean Research Institute, The University of Tokyo) et al. Response of Convection to Forcing that Creates a Cold Pool: Possible Impact on Typhoon Intensity by Artificial Forcing

20 Qu, Sibo (Tsinghua University) et al. Study on the Formation of Large-Scale Circulation in Thermally Driven Vortices

21 Yining Gu (Department of Atmospheric and Oceanic Sciences / Institute of Atmospheric Sciences, Fudan University) et al. Impacts of Summer Madden-Julian Oscillation Diversity on Multiple Tropical Cyclone Events over the Western North Pacific

22 Cong Zhou (Shanghai Typhoon Institute of China Meteorological Administration) et al. Shifted Relationship Between the Pacific Decadal Oscillation and Western North Pacific Tropical Cyclogenesis Since the 1990s

23 Yamato Kaneno (Graduate School of Science, Kyoto University) et al. Movement of a Tropical Cyclone due to Effective-β-gyre

24 Cheng Hsiang, Chih (National Taiwan University) et al. Characterizing Rapid Intensification in Tropical Cyclones: A Multi-method Approach

25 Satoki Tsujino (Meteorological Research Institute, Japan Meteorological Agency) Contribution of Mesoscale Descending Inflows to the Outer Tangential Wind Maximum of Typhoon Shanshan (2024) Simulated by a Numerical Model

26 Shian-Rong Liao (National Taiwan University) et al. Torrential Remote Precipitation of Typhoon Nesat (2022) over the Greater Taipei Area: Dual-polarization Radar Analysis and Ensemble Simulations

27 Yuanlong Li (Nanjing University) et al. On the Size-Dependence in Tropical Cyclone Intensification Theory

28 Ruifen Zhan (Fudan University) et al. Unveiling the Dominant Factors in Controlling Long-term Variability of Northwest Pacific Tropical Cyclone Intensification Rates

29 Motoki Shibata (YNU) et al. Impact of Cloud Condensation Nuclei Concentration on Convection During the Genesis of Typhoon Faxai in 2019

30 Yuki Kudo (YNU) et al. Idealized Numerical Simulation to Understand the Impact of Condensation Nuclei Concentration on Tropical Cyclone Intensity

31 Masuo Nakano (JAMSTEC) et al. Oceanic Modulation by the BSISO and Its Impact on TCs in the WNP Simulated by NICOCO

32 Udai Shimada (Meteorological Research Institute, Japan Meteorological Agency) Wavenumber-1 Ocean Surface Wind Speed Asymmetries in the Tropical Cyclone Eyewall Observed by Spaceborne Synthetic Aperture Radar

33 Masato Sugi (No affiliation (retired from Meteorological Research Institute)) et al. The Essential Role of Moist Buoyancy in the TC Dynamics

34 Shun Hirose (YNU) et al. Exploring Cloud Seeding Impacts on Typhoon Hagibis Using NHM-Chem

35 Xu Chen (Atmosphere and Ocean Research Institute, The University of Tokyo) et al. Large-Scale Environmental Drivers of Extreme Tropical Cyclones in the 1959 Western North Pacific

36 Chihoko Cullens (University of Colorado at Boulder (LASP)) et al. Impacts of Typhoon Strength and Propagation Conditions on Gravity Wave Variability

37 Keunok Lee (Laboratoire de l'Atmosphère et des cyclones (LACy), France) et al. Orography Effect of Réunion Island and Madagascar on Heavy Precipitation During the Passage of Tropical Cyclone Batsirai (2022)

38 Mai Arakawa (YNU) et al. Laboratory Simulation of Vortex Rossby Waves in the Eyewall of a Typhoon Using a Rotating Annulus with Radially Sloped Bottom

39 Yoshiaki Miyamoto (Keio University) Potential Intensity Theory of Tropical Cyclones with Ocean Cooling Processes

40 Jin-De Huang (Atmosphere and Ocean Research Institute, The University of Tokyo) et al. Investigating Distributions of Cloud Particle Types in Tropical Cyclones Using EarthCARE Observation

41 Tunggul Bhirawa (Marine Biophysics Unit, Okinawa Institute of Science and Technology (OIST), Japan) et al. Observing the Air-Sea Interface During a Typhoon's Lifecycle: A Wave Glider Study of Pre-Storm, Peak, and Post-Storm Conditions

42 Koki Iida (The University of Tokyo) et al. Investigation of Water Vapor Sources for Typhoon Ampil (2024) Using Water Stable Isotopes

43 Michinori Ideyoshi (University of Tsukuba) et al. The Rainfall Variability in Tanzania Based on the Tropical Cyclone Routes in South West Indian Ocean

44 Clint Eldrick R. Petilla (YNU) et al. Investigating the Environmental Factors Driving Four Landfalling Tropical Cyclones in Nine Days in the Philippines

45 Yusuke Umemiya (NTT, Inc.) et al. Determination of Observing Locations for Typhoons Near Okinawa in 2025 Using Adjoint Sensitivity Analysis

46 Wang Xin (National Satellite Meteorological Center of China Meteorological Administration) et al. Three-Dimensional Structure of Concentric Eyewalls in Western North Pacific Tropical Cyclones Observed by Fengyun Satellites

47 Julius Emmanuel Wamanga (Makerere University Centre for Research and Innovation) et al. Landslide Risk Mitigation in Eastern Uganda-Lessons from Japan's Typhoon -Driven Disaster Resilience

48 Mbasa Linnet (National Meteorological Training School) et al. Kampala Under Water: Equitable Drainage Solutions for Flood-Poor Informal Settlements – Lessons for Typhoon-Resilient Cities

49 Herath Mudhiyanselage Malani Herath (University of Moratuwa) et al. Enhancing Land Use Planning for Cyclone Resilience: A Case Study of Trincomalee Urban Area on the Eastern Coast of Sri Lanka

50 Sandeep Sukumaran (Indian Institute of Technology Delhi) et al. Do Global Machine Learning Weather Models Intuitively Learn Tropical Cyclone Physics?

51   Takeshi Doi (JAMSTEC/VAiG/APL) et al. Seasonal Predictability of Mass Coral Bleaching Events Between the Pacific Ocean and the East China Sea with a Large-Ensemble Climate Model

52   Xu Jing (Qingdao Institute of Marine Meteorology, Chinese Academy of Meteorological Sciences) et al. Research on Tropical Cyclone Size Prediction Technology in the Northwest Pacific Based on Machine Learning Algorithms

53   Jihong Moon (Seoul National University) et al. Tropical Cyclone Seed Disturbances in the Deep-learning Climate Emulator ACE2

54   Wu Jiwei (Kyushu University) et al. Response of Tropical Cyclone-Related Precipitation During Boreal Summer Season over East Asia to Pseudo-Global-Warming Climates

55   Xiaoyang Li (Institute of Industrial Science, The University of Tokyo) et al. A First Attempt at Impact-Based Flood Forecasting in Japan: Evaluating the Effect of Typhoon Track Longitudinal Perturbations on Flood Damage for Hagibis (2019)

56   Yuichiro Suzuki (Kyoto University) et al. Future Storm Surge Risk Assessment with the Grid-dependent MPS Model

57   Daiki Suzuki (YNU) et al. Identification of Effective Observation Locations for Improving Typhoon Forecasts Using Sensitivity Analysis

58   Fumiaki Moriyama (The University of Tokyo) et al. The Potential Risk of Landslides Damage by Virtual Typhoon Paths

59   Mitsutoshi Yamamoto (IHI Corporation) et al. Assimilation Experiments of Satellite Microwave Observations in Heavy Rainfall Events Associated with Typhoons

60   Martha Nabuduwa (Youth as Storm Tamers: Building Climate Resilience through Ugandan Schools) et al. Youth as Storm Tamers: Building Climate Resilience through Ugandan Schools

61   Nabukwasi Doreen (Typhoon Science for Inland Waters: Linking Remote Cyclone Dynamics to Severe Storm Hazards on Lake Victoria, Uganda) et al. Typhoon Science for Inland Waters: Linking Remote Cyclone Dynamics to Severe Storm Hazards on Lake Victoria, Uganda