

Collaborative Research based on MU Radar and Equatorial Atmosphere Radar in June-November 2025

No.	PI	Affiliation	Research Title
L01	S. Shige	Kyoto Univ.	Observation of precipitating ice particles in regions of stratiform precipitation
F02	K. Shiokawa	Nagoya Univ.	Cooperative observation of the upper atmosphere using the Optical Mesosphere Thermosphere Imagers, EAR, and the MU radar
F03	Guozhu Li	IGGCAS	Study on the generation and evolution of equatorial plasma bubbles over East/Southeast Asia using VHF and HF radars, and GNSS receiver network observations
A04	K. Nishijima	Kyoto Univ.	Development of novel observation techniques based on the radar inversion theory, and estimation techniques of
A05	H. Hashiguchi	Kyoto Univ.	Development of MIMO radar techniques using the MU radar
A06	Y. Shibagaki	Osaka E.-C. Univ.	Analysis of Precipitation clouds Using MU Radar and GNSS and Their Impact on Satellite Communications
A07	M. Yabuki	Kyoto Univ.	Feasibility study for smart agriculture applications using a vehicle lidar
A08	T. Sakazaki	Osaka E.-C. Univ.	Laboratory Work in Earth & Planetary Sciences DD
A09	M. Yabuki	Kyoto Univ.	Research on advanced technology for temperature and water vapor Raman lidar
A10	K. Yorozu	Kyoto Univ.	Hydrologic Cycle Analysis on Forest Watershed Using Forest Tower and UAV Observation, and Feasibility of Observation by Remote Sensing Technique for Validation
A11	T. Yoshihara	ENRI	Development and application of wind information derived from aircraft surveillance systems
A12	M. Okazaki	Kyoto Univ.	Three-dimensional temporal evolution of drop size distributions in a mixed stratiform and convective precipitation system
A13	H. Hashiguchi	Kyoto Univ.	Development of Real-time Processing System with Adaptive Clutter Rejection for the MU Radar and LQ-7
A14	T. Hashimoto	NIPR	Data quality evaluation of the SSR meteorological observation system
A15	H. Hashiguchi	Kyoto Univ.	Observational study of three-dimensional structure near Typhoon center
A16	RISH		Middle Atmosphere Standard Observation with the MU Radar (GRATMAC)
B17	M. Yamamoto	Kyoto Univ.	Thermospheric density measurements based on MU radar satellite debris observations
B18	T. Iwamoto	Mitsubishi Electric	Observation of the time of flight and its change rate of the HF echoes in the ionosphere
B19	S. Saito	ENRI	Validation and improvement of real-time ionospheric 3-D tomography
B20	RISH		Ionospheric Standard Observation with the MU Radar
C21	Y. Shibagaki	Osaka E.-C. Univ.	Convective Activities in the Western Sumatra Mountainous Region Associated with the Indian Dipole Phenomenon
C22	Y. Shibata	Tokyo Metro. Univ.	Haze profile measurement over Sumatra Island Indonesia using polarization lidar
C23	Hubert Luce	Kyoto Univ.	Characterization of turbulence and cirrus cloud particles in the Tropical Tropopause Layer with HYFLITS sondes
C24	Ina Juaeni	PRIMA, BRIN	Reexamination of 3-6 day disturbances at Kototabang (West Sumatra, Indonesia) based on Equatorial Atmospheric Radar Observation
C25	H. Hashiguchi	Kyoto Univ.	Observations of GNSS-PWV and GNSS-TEC at the EAR observatory
C26	H. Hashiguchi	Kyoto Univ.	Development of EAR-RASS using Post Beam Steering technique
D27	M. Yamamoto	Kyoto Univ.	Study of equatorial Spread-F with satellite-ground beacon experiment and the Equatorial Atmosphere Radar
D28	S. Saito	ENRI	Studies of spatial gradient in TEC and plasma bubble monitoring for GNSS
D29	Y. Otsuka	Nagoya Univ.	Radar observations of the field-aligned irregularities in the ionosphere in Indonesia
D30	M. Nishioka	NICT	Observation of plasma bubble using data of EAR, SEALION and ground-based GPS receivers
E31	H. Hashiguchi	Kyoto Univ.	Development of MU radar phase calibration system
FD32	J. Shimazaki	Nihon Univ.	Investigation of wind conditions at various altitudes from the ground surface to the stratosphere in the equatorial region, and comparison with other regions
BD33	H. Hashiguchi	Kyoto Univ.	Study of Ionospheric Structure and Dynamics in the F Region Using MU Radar and Ionosonde Data
CD34	Didi Satiadi	BRIN	Multi-Scale Interaction of Convection based on Observation at Kototabang
BD35	T. Yokoyama	Kyoto Univ.	Construction of MU radar ionospheric observation database to contribute to IRI model
CD36	Marzuki	Andalas Univ.	Variability of rain drop size distribution at Kototabang and Sicincin
CD37	Marzuki	Andalas Univ.	Variability of Tropospheric Wind and Cloud Layer at Kototabang for each Madden-Julian Oscillation (MJO) phase from Equatorial Atmospheric Radar Observation, ERA-5 and Ceilometer Data
CD38	Findy Renggono	PRIMA, BRIN	Study on drop size distributions based on Equatorial Atmosphere Radar observations
CD39	Noersomadi	PRIMA, BRIN	Study on Equatorial Troposphere-Stratosphere Variability using EAR-RASS Observation, Radiosonde and GNSS Radio Occultation
E40	H. Takasaki	Kyoto Univ.	High Accuracy Orbit Determination Method with MU Radar