Collaborative Research based on MU Radar and Equatorial Atmosphere Radar in December 2024-May 2025

No.	PI	Affiliation	Research Title
L46	S. Shige	Kyoto Univ.	Observation of precipitating ice particles in regions of stratiform precipitation
F47	Song Yang	CRIRP	Preliminary measurement of the ionospheric Field Aligned Irregularity (FAI) using the EAR, MUR and Qujing ISR
F48	K. Shiokawa	Nagoya Univ.	Cooperative observation of the upper atmosphere using the Optical Mesosphere Thermosphere Imagers, EAR, and the MU radar
F49	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
A50	K. Nishijima	Kyoto Univ.	Renewing the observation and analysis methods based on the Spectral inverse scattering theory
A51	M. Kohma	Univ. of Tokyo	Estimation of turbulent energy dissipation rates based on radiosonde observations and its validation by MU radar
A52	T. Shimomai	Shimane Univ.	Observations of small scale atmospheric waves by all sky cameras at Shigaraki
A53	M. Yabuki	Kyoto Univ.	Research on advanced technology for temperature and water vapor Raman lidar
A54	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
A55	H. Hashiguchi	Kyoto Univ.	Development of MIMO radar techniques using the MU radar
A56	T. Yoshihara	ENRI	Development and application of wind information derived from aircraft surveillance systems
A57	Y. Shibagaki	Osaka E.-C. Univ.	Studies on Development and Organization of Frontal Disturbances with MU and Meteorological Radars
A58	M. Yabuki	Kyoto Univ.	Feasibility study for smart agriculture applications using a vehicle lidar
A59	M. Okazaki	Kyoto Univ.	Three-dimensional temporal evolution of drop size distributions in a mixed stratiform and convective precipitation system
A60	H. Hashiguchi	Kyoto Univ.	Development of Real-time Processing System with Adaptive Clutter Rejection for the MU Radar and LQ-7
A61	T. Hashimoto	NIPR	Data quality evaluation of the SSR meteorological observation system
A62	H. Hashiguchi	Kyoto Univ.	Observational study of three-dimensional structure near Typhoon center
A63	RISH		Middle Atmosphere Standard Observation with the MU Radar (GRATMAC)
B64	H. Takasaki	Kyoto Univ.	High Accuracy Orbit Determination Method with MU Radar
B65	S. Saito	ENRI	Validation and improvement of real-time ionospheric 3-D tomography
B66	RISH		Ionospheric Standard Observation with the MU Radar
C67	Hubert Luce	Kyoto Univ.	Characterization of turbulence and cirrus cloud particles in the Tropical Tropopause Layer with HYFLITS sondes
C68	Ina Juaeni	PRIMA, BRIN	Reexamination of 3-6 day disturbances at Kototabang (West Sumatera, Indonesia) based on Equatorial Atmospheric Radar Observation
C69	T. Shimomai	Shimane Univ.	Observations of small scale atmospheric waves by all sky cameras at Kototabang
C70	Y. Shibagaki	Osaka E.-C. Univ.	Multi-scale structure of convective systems in Indonesian Maritime Continent
C71	Trismidianto	PRIMA, BRIN	Study of The Coastal Mesoscale Convective Complex as Triggering Deep Convective Initiation over West Sumatra using EAR, Observation and Numerical Simulation
C72	Listi Restu Triani	PRIMA, BRIN	Exploration of Retrieval Approach for Radiosonde Vertical Velocity utilizing EAR Data as Reference
C73	M. Abo	Tokyo Metro. Univ.	Monitoring of the tropospheric and stratospheric aerosols by the equatorial lidar
C74	Y. Shibata	Tokyo Metro. Univ.	Haze profile measurement over Sumatra Island Indonesia using polarization lidar
C75	H. Hashiguchi	Kyoto Univ.	Observations of GNSS-PWV and GNSS-TEC at the EAR observatory
C76	H. Hashiguchi	Kyoto Univ.	Development of EAR-RASS using Post Beam Steering technique
D77	M. Yamamoto	Kyoto Univ.	Study of equatorial Spread-F with satellite-ground beacon experiment and the Equatorial Atmosphere Radar
D78	Y. Otsuka	Nagoya Univ.	Radar observations of the field-aligned irregularities in the ionosphere in Indonesia
D79	S. Saito	ENRI	Studies of spatial gradient in TEC and plasma bubble monitoring for GNSS
D80	M. Nishioka	NICT	Observation of plasma bubble using data of EAR, SEALION and ground-based GPS receivers
E81	H. Hashiguchi	Kyoto Univ.	Development of MU radar phase calibration system
FD82	S. Shige	Kyoto Univ.	Estimation of vertical air motion within precipitating clouds and its application to the study of precipitation processes
BD83	T. Yokoyama	Kyoto Univ.	Construction of MU radar ionospheric observation database to contribute to IRI model
BD84	H. Hashiguchi	Kyoto Univ.	Study of Ionospheric Structure and Dynamics in the F Region Using MU Radar and Ionosonde Data
CD85	Marzuki	Andalas Univ.	Variability of rain drop size distribution at Kototabang and Sicincin
CD86	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
CD87	Findy Renggono	PRIMA, BRIN	Study on drop size distributions based on Equatorial Atmosphere Radar observations
CD88	Noersomadi	PRIMA, BRIN	Study on Equatorial Troposphere-Stratosphere Variability using EAR-RASS Observation, Radiosonde and GNSS Radio Occultation