

Collaborative Research based on MU Radar and Equatorial Atmosphere Radar in December 2018-May 2019

No.	PI	Affiliation	Research Title
L48	K. Sato	Univ. of Tokyo	Simultaneous observation campaign with worldwide MST/IS radar network
F49	Y. Maekawa	Osaka E.-C. Univ.	A study on the effects of precipitating clouds on the propagation paths of satellite communications
F50	M. Yamamoto	Kyoto Univ.	Development and test of digital receiver system for new satellite-ground beacon experiment
F51	K. Shiokawa	Nagoya Univ.	Cooperative observation of the upper atmosphere using the Optical Mesosphere Thermosphere Imagers, EAR, and the MU radar
A52	H. Hashiguchi	Kyoto Univ.	Development of MU Radar Real-time Processing System with Adaptive Clutter Rejection
A53	H. Hashiguchi	Kyoto Univ.	Development of imaging wind profiler radar and measurement of fine-scale turbulence in the lower atmosphere
A54	M. Yabuki	Kyoto Univ.	Development of a compact rotational Raman lidar for temperature measurements
A55	T. Yoshihara	ENRI	Quality evaluation and new utilization of horizontal winds derived from SSR mode S messages broadcasted by aircraft onboard transponders
A56	Y. Shibagaki	Osaka E.-C. Univ.	Studies on Development and Organization of Frontal Disturbances with MU and Meteorological Radars
A57	T. Shimomai	Shimane Univ.	DSD estimation by using the MU radar, BLR, MRR
A58	H. Hashiguchi	Kyoto Univ.	Development of a low noise RASS observation system using a parametric array
A59	M. Yabuki	Kyoto Univ.	Validation of air quality measurement techniques through combinations of remote-sensing and in-situ instruments
A60	M. Yabuki	Kyoto Univ.	A study on radio-optical atmospheric probing techniques for spatiotemporal distributions of water vapor
A61	E. Nakakita	Kyoto Univ.	Hydrologic Cycle Analysis on Forest Watershed Using Forest Tower Observation, and Feasibility of Observation by Remote Sensing Technique for Validation
A62	RISH		Middle Atmosphere Standard Observation with the MU Radar (GRATMAC)
B63	Jenn-Shyong Chen	China Medical Univ.	Observations of meteors using multireceiver and multifrequency techniques
B64	S. Saito	ENRI	Validation of real-time ionospheric 3-D tomography
B65	RISH		Ionospheric Standard Observation with the MU Radar
C66	H. Hashiguchi	Kyoto Univ.	Development of real-time ray-tracing and wind correction methods for EAR-RASS
C67	R. Wilson	Sorbonne Univ.	EAR and In Situ Observations in Support of Strateole-2 (EARISO2S)
C68	Marzuki	Andalas Univ.	Improvement of vertical profiles of raindrop size distribution from MRR using Parsivel measurements
C69	Marzuki	Andalas Univ.	Variability of rain drop size distribution at Kototabang and Padang
C70	Marzuki	Andalas Univ.	Long-Term Observation of Vertical Profile of Raindrop Size Distribution over Sumatra
C71	P. J. Flatau	Univ. of California	Equatorial Line Observations – ER collaboration (ELO-EAR)
C72	S. Mori	JAMSTEC	Temporal modulation of eastward moving convective intraseasonal variation (ISV) passing over the Indonesian maritime continent
C73	Y. Shibagaki	Osaka E.-C. Univ.	Multi-scale structure of convective systems in Indonesian Maritime Continent
C74	M. Abo	Tokyo Metro. Univ.	Observation of atmospheric wave propagation from troposphere to mesosphere at equatorial region
C75	Y. Shibata	Tokyo Metro. Univ.	Lidar observation of the equatorial ozone in the tropopause region
C76	H. Hashiguchi	Kyoto Univ.	Observational study on fine structure of clear air turbulence in the tropical troposphere
C77	H. Hashiguchi	Kyoto Univ.	Development of an EAR multi-channel receiving system using digital receivers
C78	T. Shimomai	Shimane Univ.	Observation of small scale atmospheric waves by an all sky camera at Kototabang
D79	Y. Otsuka	Nagoya Univ.	Radar observations of the field-aligned irregularities in the ionosphere in Indonesia
D80	S. Saito	ENRI	Studies of spatial gradient in TEC and plasma bubble monitoring for GNSS
D81	T. Yokoyama	NICT	Study on the onset and propagation mechanism of equatorial spread F with EAR, NICT ionospheric observation network, and GPS receiver network
D82	M. Yamamoto	Kyoto Univ.	Study of equatorial Spread-F with satellite-ground beacon experiment and the Equatorial Atmosphere Radar
E83	H. Kojima	Kyoto Univ.	Shape and Orbit Estimation of Space Debris Using MU Radar
FD84	Swati Sinha	Vidyalankar Institute of Technology	Correlation Studies of Wind Patterns at multiple Locations to Model Climate and its significance for the Projections of Continental Weather Changes
CD85	Findy Renggono	BPPT	Study on drop size distributions based on Equatorial Atmosphere Radar observations