

Collaborative Research based on MU Radar and Equatorial Atmosphere Radar in December 2017-May 2018

No.	PI	Affiliation	Research Title
L52	K. Sato	Univ. of Tokyo	Simultaneous observation campaign with worldwide MST/IS radar network
F53	Y. Maekawa	Osaka E.-C. Univ.	A study on the effects of precipitating clouds on the propagation paths of satellite communications
F55	M. Yamamoto	Kyoto Univ.	Development and test of digital receiver system for new satellite-ground beacon experiment
F56	K. Shiokawa	Nagoya Univ.	Cooperative observation of the upper atmosphere using the Optical Mesosphere Thermosphere Imagers, EAR, and the MU radar
A57	H. Hashiguchi	Kyoto Univ.	Development of MU Radar Real-time Processing System with Adaptive Clutter Rejection
A58	H. Hashiguchi	Kyoto Univ.	Development of imaging wind profiler radar and measurement of fine-scale turbulence in the lower atmosphere
A59	M. Yabuki	Kyoto Univ.	Development of a compact rotational Raman lidar for temperature measurements
A60	T. Yoshihara	ENRI	Quality evaluation and new utilization of horizontal winds derived from SSR mode S messages broadcasted by aircraft onboard transponders
A61	Y. Shibagaki	Osaka E.-C. Univ.	Studies on Development and Organization of Frontal Disturbances with MU and Meteorological Radars
A62	T. Shimomai	Shimane Univ.	DSD estimation by using the MU radar, BLR, MRR
A63	M. Yabuki	Kyoto Univ.	Validation of air quality measurement techniques through combinations of remote-sensing and in-situ instruments
A64	M. Yabuki	Kyoto Univ.	A study on radio-optical atmospheric probing techniques for spatiotemporal distributions of water vapor
A65	E. Nakakita	Kyoto Univ.	Hydrologic Cycle Analysis on Forest Watershed Using Forest Tower Observation, and Feasibility of Observation by Remote Sensing Technique for Validation
A66	RISH		Middle Atmosphere Standard Observation with the MU Radar (GRATMAC)
B67	H. Yamakawa	Kyoto Univ.	Shape Estimation and Orbit Determination of Space Debris Using MU Radar
B68	Jenn-Shyong Chen	China Medical Univ.	Three-dimensional radar imaging of field-aligned irregularities with multireceiver and multifrequency techniques
B69	S. Saito	ENRI	Validation of real-time ionospheric 3-D tomography
B70	Johan Kero	IRF	Common volume MU radar and Kiso Observatory Tomo-e telescopic meteor observations
B71	A. Abe	Nihon Univ.	Simultaneous Ultra-faint Meteor Observation using MU Radar and Kiso Schmidt Telescope with Tomo-e GOZEN Camera
B72	Sergii Panasenko	Institute of Ionosphere	Coordinated observations of light ions and TIDs with Shigaraki MU and Kharkiv IS radars
B73	T. Iyemori	Kyoto Univ.	Effects of ionospheric E-fields, winds and lower atmospheric disturbances on geomagnetic variations
B74	RISH		Ionospheric Standard Observation with the MU Radar
C75	Ina Juaeni	LAPAN	Life cycle of thermal convection: Observation and Numerical Simulation
C76	Marzuki	Andalas Univ.	Improvement of vertical profiles of raindrop size distribution from MRR using Parsivel measurements
C77	Marzuki	Andalas Univ.	Variability of rain drop size distribution at Kototabang and Padang
C78	Marzuki	Andalas Univ.	Long-Term Observation of Vertical Profile of Raindrop Size Distribution over Sumatra
C79	S. Mori	JAMSTEC	Temporal modulation of eastward moving convective intraseasonal variation (ISV) passing over the Indonesian maritime continent
C80	Y. Shibagaki	Osaka E.-C. Univ.	Multi-scale structure of convective systems in Indonesian Maritime Continent
C81	M. Abo	Tokyo Metro. Univ.	Observation of atmospheric wave propagation from troposphere to mesosphere at equatorial region
C82	Y. Shibata	Tokyo Metro. Univ.	Lidar observation of the equatorial ozone in the tropopause region
C83	H. Hashiguchi	Kyoto Univ.	Observational study on fine structure of clear air turbulence in the tropical troposphere
C84	H. Hashiguchi	Kyoto Univ.	Development of an EAR multi-channel receiving system using digital receivers
C85	T. Shimomai	Shimane Univ.	Observation of small scale atmospheric waves by an all sky camera at Kototabang
C86	T. Shimomai	Shimane Univ.	Evaluation of GPM-DPR observation data at Kototabang
C87	H. Hashiguchi	Kyoto Univ.	Overseas field training in Equatorial Atmosphere Observatory
D88	Y. Otsuka	Nagoya Univ.	Radar observations of the field-aligned irregularities in the ionosphere in Indonesia
D89	S. Saito	ENRI	Studies of spatial gradient in TEC and plasma bubble monitoring for GNSS
D90	T. Yokoyama	NICT	Study on the onset and propagation mechanism of equatorial spread F with EAR, NICT ionospheric observation network, and GPS receiver network
D91	M. Yamamoto	Kyoto Univ.	Study of equatorial Spread-F with satellite-ground beacon experiment and the Equatorial Atmosphere Radar
CD92	Findy Renggono	BPPT	Study on drop size distributions based on Equatorial Atmosphere Radar observations
FD93	Swati Sinha	BITS Pilani	Correlation Studies of Wind Patterns at multiple Locations to Model Climate and its significance for the Projections of Continental Weather Changes
C94	T. Tsuda	Kyoto Univ.	Observations of GNSS-PWV and GNSS-TEC at the EAR observatory