

Collaborative Research based on MU Radar and Equatorial Atmosphere Radar in December 2016-May 2017

No.	PI	Affiliation	Research Title
L53	K. Sato	Univ. of Tokyo	Simultaneous observation campaign with worldwide MST/IS radar network
F54	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	K. Yamashita	Salesian Polytechnic	Development of VLF receiver for lightning observation by using small Linux PC
A59	H. Hashiguchi	Kyoto Univ.	Development of imaging wind profiler radar and measurement of fine-scale turbulence in the lower atmosphere
A60	M. Yabuki	Kyoto Univ.	Development of a compact rotational Raman lidar for temperature measurements
A61	T. Tsuda	Kyoto Univ.	Earth's atmosphere environment observed with radio and optical techniques
A62	T. Yoshihara	ENRI	Quality evaluation and new utilization of horizontal winds derived from SSR mode S messages broadcasted by aircraft onboard transponders
A63	J. Furumoto	Kyoto Univ.	Analysis of atmospheric boundary layer using high resolution numerical model by assimilation of radar and Doppler lidar data
A64	Y. Shibagaki	Osaka E.-C. Univ.	Studies on Development and Organization of Frontal Disturbances with MU and Meteorological Radars
A65	H. Hashiguchi	Kyoto Univ.	Study of heavy thunderstorms and snowstorms affecting highway maintenance
A66	T. Shimomai	Shimane Univ.	DSD estimation by using the MU radar, BLR, MRR
A67	J. Furumoto	Kyoto Univ.	Development and evaluation of small type Doppler lidar system in Shigaraki
A68	M. Yabuki	Kyoto Univ.	Validation of air quality measurement techniques through combinations of remote-sensing and in-situ instruments
A69	M. Yabuki	Kyoto Univ.	A study on radio-optical atmospheric probing techniques for spatiotemporal distributions of water vapor
A70	E. Nakakita	Kyoto Univ.	Hydrologic Cycle Analysis on Forest Watershed Using Forest Tower Observation, and Feasibility of Observation by Remote Sensing Technique for Validation
A71	RISH		Middle Atmosphere Standard Observation with the MU Radar (GRATMAC)
B72	H. Yamakawa	Kyoto Univ.	Shape Estimation and Orbit Determination of Space Debris Using MU Radar
B73	Jenn-Shyong Chen	China Medical Univ.	Three-dimensional radar imaging of field-aligned irregularities with multireceiver and multifrequency techniques
B74	S. Saito	ENRI	Validation of real-time ionospheric 3-D tomography
B75	T. Iyemori	Kyoto Univ.	Effects of ionospheric E-fields, winds and lower atmospheric disturbances on geomagnetic variations
B76	RISH		Ionospheric Standard Observation with the MU Radar
C77	Ina Juaeni	LAPAN	Evaluating the atmospheric instability at Kototabang (West Java-Indonesia) by EAR, RASS and Radiosonde
C78	Marzuki	Andalas Univ.	Improvement of vertical profiles of raindrop size distribution from MRR using Parsivel measurements
C79	Marzuki	Andalas Univ.	Variability of rain drop size distribution at Kototabang and Padang
C80	Marzuki	Andalas Univ.	Long-Term Observation of Vertical Profile of Raindrop Size Distribution over Sumatra
C81	S. Mori	JAMSTEC	Temporal modulation of eastward moving convective intraseasonal variation (ISV) passing over the Indonesian maritime continent
C82	Y. Shibagaki	Osaka E.-C. Univ.	Multi-scale structure of convective systems in Indonesian Maritime Continent
C83	S. Sridharan	NARL	EAR observations of gravity waves over Koto Tabang (0.2S, 100.3E)
C84	M. Abo	Tokyo Metro. Univ.	Observation of atmospheric wave propagation from troposphere to mesosphere at equatorial region
C85	Y. Shibata	Tokyo Metro. Univ.	Lidar observation of the equatorial ozone in the tropopause region
C86	H. Hashiguchi	Kyoto Univ.	Observational study on fine structure of clear air turbulence in the tropical troposphere
C87	T. Shimomai	Shimane Univ.	Observation of small scale atmospheric waves by an all sky camera at Kototabang
C88	T. Shimomai	Shimane Univ.	Evaluation of GPM-DPR observation data at Kototabang
C89	H. Hashiguchi	Kyoto Univ.	Overseas field training in Equatorial Atmosphere Observatory
D90	Y. Otsuka	Nagoya Univ.	Radar observations of the field-aligned irregularities in the ionosphere in Indonesia
D91	S. Sridharan	NARL	EAR observations of E-region field aligned irregularities over Koto Tabang
D92	S. Saito	ENRI	Studies of spatial gradient in TEC and plasma bubble monitoring for GNSS
D93	T. Yokoyama	NICT	Study on the onset and propagation mechanism of equatorial spread F with EAR, NICT ionospheric observation network, and GPS receiver network
D94	M. Yamamoto	Kyoto Univ.	Study of equatorial Spread-F with satellite-ground beacon experiment and the Equatorial Atmosphere Radar
CD95	Findy Renggono	BPPT	Study on drop size distributions based on Equatorial Atmosphere Radar observations
AD96	Swati Sinha	BITS Pilani	Application of Multi Parameter Cost Function and Testing of Newly Developed Spectral Feature Based Classification Method for MU Radar Data