

Collaborative Research based on MU Radar and Equatorial Atmosphere Radar in December 2015-May 2016

No.	PI	Affiliation	Research Title
L46	K. Sato	U. Tokyo	Simultaneous observation campaign with worldwide MST/IS radar network
F47	S. Sridharan	NARL	Investigation of the seeding mechanisms for the quasi-periodic radar echoes from the E-region field aligned irregularities
F48	Y. Maekawa	Osaka E.-C. Univ.	A study on the effects of precipitating clouds on the propagation paths of satellite communications
F49	K. Shiokawa	Nagoya Univ.	Cooperative observation of the upper atmosphere using the Optical Mesosphere Thermosphere Imagers, EAR, and the MU radar
F50	M. Yamamoto	Kyoto Univ.	Development and test of digital receiver system for new satellite-ground beacon experiment
A51	T. Hashimoto	Kyoto Univ.	Imaging of the ground clutter sources using multi-channel observation
A52	H. Hashiguchi	Kyoto Univ.	Development of imaging wind profiler radar and measurement of fine-scale turbulence in the lower atmosphere
A53	H. Hashiguchi	Kyoto Univ.	Development of MU Radar Real-time Processing System with Adaptive Clutter Rejection
A54	M. Yabuki	Kyoto Univ.	Development of a compact rotational Raman lidar for temperature measurements
A55	K. Yamashita	Salesian Polytechnic	Development of system for quantitative evaluation of lightning activity by using VLF receiver
A56	Y. Shibagaki	Osaka E.-C. Univ.	Studies on Development and Organization of Frontal Disturbances with MU and Meteorological Radars
A57	H. Hashiguchi	Kyoto Univ.	Study of heavy thunderstorms and snowstorms affecting highway maintenance
A58	T. Shimomai	Shimane Univ.	DSD estimation by using the MU radar, BLR, MRR
A59	M. Yabuki	Kyoto Univ.	Validation of air quality measurement techniques through combinations of remote-sensing and in-situ instruments
A60	E. Nakakita	Kyoto Univ.	Hydrologic Cycle Analysis on Forest Watershed Using Forest Tower Observation, and Feasibility of Observation by Remote Sensing Technique for Validation
A61	RISH		Middle Atmosphere Standard Observation with the MU Radar (GRATMAC)
B62	H. Yamakawa	Kyoto Univ.	Shape Estimation of Space Debris Using MU Radar
B63	Jenn-Shyong Chen	China Medical Univ.	Three-dimensional radar imaging of meteor with multireceiver and multifrequency techniques
B64	S. Abe	Nihon Univ.	Size Distributions and Orbits of Solar System Dusts determined by MU Radar Meteor Head-echo Observation
B65	T. Iyemori	Kyoto Univ.	Effects of ionospheric E-fields, winds and lower atmospheric disturbances on geomagnetic variations
B66	RISH		Ionospheric Standard Observation with the MU Radar
C67	Richard Wilson	LATMOS	Small scale dynamics of the equatorial atmosphere: A coordinated project with EAR and radiosondes
C68	Marzuki	Andalas Univ.	Variability of Vertical Structure of Rainfall over Indonesian Maritime Continent: GPM observations and Wind Profiler 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	J. Suzuki	JAMSTEC	Clarification the dehydration mechanism by equatorial waves through the tropical tropopause layer
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	Findy Renggono	BPPT	Study on drop size distributions based on Equatorial Atmosphere Radar observations
C78	T. Shimomai	Shimane Univ.	Observation of small scale atmospheric waves by an all sky camera at Kototabang
C79	H. Hashiguchi	Kyoto Univ.	Overseas field training in Equatorial Atmosphere Observatory
D80	Y. Otsuka	Nagoya Univ.	Observations of the field-aligned irregularities in the ionosphere using the EAR and 30.8 MHz radar
D81	S. Saito	ENRI	Studies of spatial gradient in TEC and plasma bubble monitoring for GNSS
D82	T. Yokoyama	NICT	Study on the onset and propagation mechanism of equatorial spread F with EAR, NICT ionospheric observation network, and GPS receiver network
D83	M. Yamamoto	Kyoto Univ.	Study of equatorial Spread-F with satellite-ground beacon experiment and the Equatorial Atmosphere Radar
C84	Ina Juaeni	LAPAN	Evaluating the atmospheric instability indicator by EAR and RASS
A85	Lakshmi Kantha	Univ. of Colorado	Shigaraki UAV Radar Experiment (ShUREX 2016) Part 1
B86	S. Suzuki	Aichi Univ.	Imaging measurements of acoustic waves in the mesosphere