

Collaborative Research based on MU Radar and Equatorial Atmosphere Radar in December 2014-May 2015

No.	PI	Affiliation	Research Title
L50	S. Abe	Nihon Univ.	Exploration of Asteroidal Meteoroids
F51	A. Saito	Kyoto Univ.	Coordinated observation of the MU radar and EAR with the ISS-IMAP mission
F52	Ina Juaeni	LAPAN	Study of Comparison and Relationship of Three Dimensional Winds Between Kototabang (Indonesia/Low Latitude) and Shigaraki (Japan/Middle Latitude)
F53	Buldan Muslim	LAPAN	Study of small scale traveling ionospheric disturbances and FAI occurrences
F54	K. Shiokawa	Nagoya Univ.	Cooperative observation of the upper atmosphere using the Optical Mesosphere Thermosphere Imagers, EAR, and the MU radar
F55	Y. Maekawa	Osaka E.-C. Univ.	A study on the effects of precipitating clouds on the propagation paths of satellite communications
A56	M. Yabuki	Kyoto Univ.	Development of a compact rotational Raman lidar for temperature measurements
A57	M.K. Yamamoto	Kyoto Univ.	Development of imaging wind profiler radar and measurement of fine-scale turbulence in the boundary layer
A58	T. Shimomai	Shimane Univ.	DSD estimation by using the MU radar, BLR, MRR
A59	Y. Shibagaki	Osaka E.-C. Univ.	Studies on Development and Organization of Frontal Disturbances with MU and Meteorological Radars
A60	H. Hashiguchi	Kyoto Univ.	Study of heavy thunderstorms and snowstorms affecting highway maintenance
A61	T. Nakajo	Fukui Univ. of Tech.	Detailed observation of vertical structure of atmospheric boundary layer by using range-imaging wind profiler radars
A62	T. Tsuda	Kyoto Univ.	Estimation of the ground-level humidity variation by detecting transmitted radio-wave from LQ-7
A63	RISH		Middle Atmosphere Standard Observation with the MU Radar (GRATMAC)
B64	H. Yamakawa	Kyoto Univ.	Shape Estimation of Space Debris Using MU Radar
B65	Jinsong Chen	CRIRP	A study on meteors with the radar imaging technique of MU radar
B66	J.-S. Chen	China Medical Univ.	Observations of field-aligned irregularities with variously-coded pulses for multi-frequency and multi-receiver imaging
B67	Grandhi Kishore Kumar	Kyoto Univ.	Momentum flux estimation in MLT region using MU radar
B68	T. Iyemori	Kyoto Univ.	Effects of ionospheric E-fields, winds and lower atmospheric disturbances on geomagnetic variations
B69	RISH		Ionospheric Standard Observation with the MU Radar
C70	M.K. Yamamoto	Kyoto Univ.	Enhancement of range imaging measurement capability of the Equatorial Atmosphere radar by the new digital receiver
C71	Mutya Vonnisa	Andalas Univ.	Estimation of Raindrop Size Distribution Using Dual Frequency Atmospheric Radars at Koto Tabang, West Sumatera, Indonesia
C72	Marzuki	Andalas Univ.	Variability of Vertical Structure of Rainfall over Indonesian Maritime Continent: TRMM observations and Wind Profiler Measurements
C73	Marzuki	Andalas Univ.	Variability of rain drop size distribution at Kototabang and Padang
C74	T. Shimomai	Shimane Univ.	Vertical profiles of raindrop size distribution at Kototabang
C75	Y. Shibagaki	Osaka E.-C. Univ.	Multi-scale structure of convective systems in Indonesian Maritime Continent
C76	M. Abo	Tokyo Metro. Univ.	Observation of atmospheric wave propagation from troposphere to mesosphere at equatorial region
C77	C. Nagasawa	Tokyo Metro. Univ.	Lidar observation of the equatorial ozone in the tropopause region
C78	S. Mori	JAMSTEC	Temporal modulation of eastward moving convective intraseasonal variation (ISV) passing over the Indonesian maritime continent
C79	H. Hashiguchi	Kyoto Univ.	Observational study on fine structure of clear air turbulence in the tropical troposphere
C80	H. Hashiguchi	Kyoto Univ.	Overseas field training in Equatorial Atmosphere Observatory
C81	Eddy Hermawan	LAPAN	Development of Indonesian Monsoon Index (IMI) Based on EAR and other Facilities at Kototabang
C82	Findy Renggono	BPPT	Study on drop size distributions based on Equatorial Atmosphere Radar observations
D83	A.K. Patra	NARL	Longitudinal variations of F region irregularities in the Asian sector: Onset, plume structures and drifts
D84	Peberlin Sitompul	LAPAN	Software Defined Radio Application as a Digital Receiver for Equatorial Plasma Irregularity Monitoring
D85	Y. Otsuka	Nagoya Univ.	Observations of the field-aligned irregularities in the ionosphere using the EAR and 30.8 MHz radar
D86	S. Saito	ENRI	Studies of spatial gradient in TEC and plasma bubble monitoring for GNSS
D87	T. Tsugawa	NICT	Study on the onset and propagation mechanism of equatorial spread F with EAR, NICT ionospheric observation network, and GPS receiver network
D88	M. Yamamoto	Kyoto Univ.	Study of equatorial Spread-F with satellite-ground beacon experiment and the Equatorial Atmosphere Radar