

Collaborative Research based on MU Radar and Equatorial Atmosphere Radar in June-November 2015

No.	PI	Affiliation	Research Title
L01	S. Abe	Nihon Univ.	Exploration of Asteroidal Meteoroids
F02	S. Sridharan	NARL	Investigation of the seeding mechanisms for the quasi-periodic radar echoes from the E-region Field Aligned Irregularities
F03	Zonghua Ding	CRIRP	Preliminary measurement of the ionospheric Field Aligned Irregularity (FAI) using the EAR, MUR and Qujing ISR
F04	A. Saito	Kyoto Univ.	Coordinated observation of the MU radar and EAR with the ISS-IMAP mission
F05	K. Shiokawa	Nagoya Univ.	Cooperative observation of the upper atmosphere using the Optical Mesosphere Thermosphere Imagers, EAR, and the MU radar
F06	Y. Maekawa	Osaka E.-C. Univ.	A study on the effects of precipitating clouds on the propagation paths of satellite communications
F07	Ina Juaeni	LAPAN	Study of Comparison and Relationship of Three Dimensional Winds Between Kototabang (Indonesia/Low Latitude) and Shigaraki (Japan/Middle Latitude)
A08	M. Tsutsumi	NIPR	Test observations for PANSY radar operations
A09	T. Hashimoto	Kyoto Univ.	Adaptive aircraft clutter rejection using an antenna array with non-uniform gains
A10	L. Kantha	Univ. of Colorado	Calibration and Validation of Sonde-Retrieved Turbulence with MUR Data
A11	H. Hashiguchi	Kyoto Univ.	Observational study of three-dimensional structure near Typhoon center
A12	K. Yamashita	Salesian Polytechnic	Development of quantitative estimation of electric charge of lightning event with VLF receiver network
A13	Y. Shibagaki	Osaka E.-C. Univ.	Studies on Development and Organization of Frontal Disturbances with MU and Meteorological Radars
A14	H. Hashiguchi	Kyoto Univ.	Study of heavy thunderstorms and snowstorms affecting highway maintenance
A15	T. Shimomai	Shimane Univ.	DSD estimation by using the MU radar, BLR, MRR
A16	M. Yabuki	Kyoto Univ.	Validation of air quality measurement techniques through combinations of remote-sensing and in-situ instruments
A17	E. Nakakita	Kyoto Univ.	Hydrologic Cycle Analysis on Forest Watershed Using Forest Tower Observation, and Feasibility of Observation by Remote Sensing Technique for Validation
A18	H. Hashiguchi	Kyoto Univ.	In site observation of Yamase by Wind Profiler/RASS and Radiosonde
A19	H. Hashiguchi	Kyoto Univ.	“Field Laboratories in Multi-scale Earth Dynamics II” (Graduate School of Science, ARS, GSS)
A20	M. Yabuki	Kyoto Univ.	Earth science field experiments (Nara Women's University)
A21	M. Yabuki	Kyoto Univ.	Development of a compact rotational Raman lidar for temperature measurements
A22	H. Hashiguchi	Kyoto Univ.	Development of imaging wind profiler radar and measurement of fine-scale turbulence in the boundary layer
A23	RISH		Middle Atmosphere Standard Observation with the MU Radar (GRATMAC)
B24	H. Yamakawa	Kyoto Univ.	Shape Estimation of Space Debris Using MU Radar
B25	T. Iyemori	Kyoto Univ.	Effects of ionospheric E-fields, winds and lower atmospheric disturbances on geomagnetic variations
B26	RISH		Ionospheric Standard Observation with the MU Radar
C27	Jenn-Shyong Chen	China Medical Univ.	Range imaging of the Equatorial Atmosphere Radar (EAR) for the atmosphere
C28	J. Suzuki	JAMSTEC	Clarification the dehydration mechanism by equatorial waves through the tropical tropopause layer
C29	S. Mori	JAMSTEC	Temporal modulation of eastward moving convective intraseasonal variation (ISV) passing over the Indonesian maritime continent
C30	Y. Shibagaki	Osaka E.-C. Univ.	Multi-scale structure of convective systems in Indonesian Maritime Continent
C31	M. Abo	Tokyo Metro. Univ.	Observation of atmospheric wave propagation from troposphere to mesosphere at equatorial region
C32	Y. Shibata	Tokyo Metro. Univ.	Lidar observation of the equatorial ozone in the tropopause region
C33	H. Hashiguchi	Kyoto Univ.	Observational study on fine structure of clear air turbulence in the tropical troposphere
C34	Findy Renggono	BPPT	Study on drop size distributions based on Equatorial Atmosphere Radar observations
C35	T. Shimomai	Shimane Univ.	Observation of small scale atmospheric waves by an all sky camera at Kototabang
C36	H. Hashiguchi	Kyoto Univ.	Overseas field training in Equatorial Atmosphere Observatory
C37	Mutya Vonnisa	Andalas Univ.	Estimation of Raindrop Size Distribution Using Dual Frequency Atmospheric Radars at Koto Tabang, West Sumatera, Indonesia
C38	Marzuki	Andalas Univ.	Variability of Vertical Structure of Rainfall over Indonesian Maritime Continent: TRMM observations and Wind Profiler Measurements
C39	Marzuki	Andalas Univ.	Variability of rain drop size distribution at Kototabang and Padang
D40	S. Saito	ENRI	Studies of spatial gradient in TEC and plasma bubble monitoring for GNSS
D41	T. Yokoyama	NICT	Study on the onset and propagation mechanism of equatorial spread F with EAR, NICT ionospheric observation network, and GPS receiver network
D42	M. Yamamoto	Kyoto Univ.	Study of equatorial Spread-F with satellite-ground beacon experiment and the Equatorial Atmosphere Radar
D43	Y. Otsuka	Nagoya Univ.	Observations of the field-aligned irregularities in the ionosphere using the EAR and 30.8 MHz radar
F44	M. Yamamoto	Kyoto Univ.	Development and test of digital receiver system for new satellite-ground beacon experiment
A45	M. Yabuki	Kyoto Univ.	Air quality measurements in high mountain region