

Collaborative Research based on MU Radar and Equatorial Atmosphere Radar in June-November 2014

No.	PI	Affiliation	Research Title
L01	H. Luce	Toulon Univ.	Tropospheric turbulence characterization from high-resolution balloon and radar observations
F02	A. Saito	Kyoto Univ.	Coordinated observation of the MU radar and EAR with the ISS-IMAP mission
F03	M. Yamamoto	Kyoto Univ.	MU radar and Equatorial Atmosphere Radar observations for international campaign along 120E/60W meridional circle
F04	J. Furumoto	Kyoto Univ.	A-year-long Evaluation of GPM-DPR measurement with the MU radar and EAR
F05	S. Sridharan	NARL	Investigation of the seeding mechanisms for the quasi-periodic radar echoes from the E-region field aligned irregularities
F06	K. Shiokawa	Nagoya Univ.	Cooperative observation of the upper atmosphere using the Optical Mesosphere Thermosphere Imagers, EAR, and the MU radar
F07	Y. Maekawa	Osaka E.-C. Univ.	A study on the effects of precipitating clouds on the propagation paths of satellite communications
A08	M.K. Yamamoto	Kyoto Univ.	Observational study of cloud dynamical and microphysical processes using atmospheric and cloud radars
A09	H. Hashiguchi	Kyoto Univ.	Observational study of three-dimensional structure near Typhoon center
A10	M. Tsutsumi	NIPR	Test observations for PANSY radar operations
A11	K. Nishimura	NIPR	An observational experiment for the proposed vertical wind estimation method
A12	T. Shimomai	Shimane Univ.	DSD estimation by using the MU radar, BLR, MRR
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	H. Hashiguchi	Kyoto Univ.	"Field Laboratories in Multi-scale Earth Dynamics II" (Graduate School of Science, ARS, GSS)
A16	M.K. Yamamoto	Kyoto Univ.	Development of imaging wind profiler radar and measurement of fine-scale turbulence in the boundary layer
A17	T. Nakajo	Fukui Univ. of Tech.	Detailed observation of vertical structure of atmospheric boundary layer by using range-imaging wind profiler radars
A18	T. Tsuda	Kyoto Univ.	Estimation of the ground-level humidity variation by detecting transmitted radio-wave from LQ-7
A19	J. Furumoto	Kyoto Univ.	Elucidation of vertical structure of Hira-Oroshi using meteorological balloon measurement
A20	Y. Kodama	Hirosaki Univ.	In site observation of Yamase by Wind Profiler/RASS and Radiosonde
A21	M. Yabuki	Kyoto Univ.	Validation of air quality measurement techniques through combinations of remote-sensing and in-situ instruments
A22	M. Yabuki	Kyoto Univ.	Earth science field experiments (Nara Women's University)
A23	M. Yabuki	Kyoto Univ.	Development of a compact rotational Raman lidar for temperature measurements
A24	RISH		Middle Atmosphere Standard Observation with the MU Radar (GRATMAC)
B25	H. Yamakawa	Kyoto Univ.	Shape Estimation of Space Debris Using MU Radar
B26	T. Iyemori	Kyoto Univ.	Effects of ionospheric E-fields, winds and lower atmospheric disturbances on geomagnetic variations
B27	RISH		Ionospheric Standard Observation with the MU Radar
C28	M.K. Yamamoto	Kyoto Univ.	Enhancement of range imaging measurement capability of the Equatorial Atmosphere radar by the new digital receiver
C29	J.-S. Chen	Chienkuo Tech. U.	Range imaging of lower atmosphere and ionosphere using the Equatorial Atmosphere Radar (EAR)
C30	T. Shimomai	Shimane Univ.	Vertical profiles of raindrop size distribution at Kototabang
C31	Y. Shibagaki	Osaka E.-C. Univ.	Multi-scale structure of convective systems in Indonesian Maritime Continent
C32	M. Abo	Tokyo Metro. Univ.	Observation of atmospheric wave propagation from troposphere to mesosphere at equatorial region
C33	C. Nagasawa	Tokyo Metro. Univ.	Lidar observation of the equatorial ozone in the tropopause region
C34	S. Mori	JAMSTEC	Temporal modulation of eastward moving convective intraseasonal variation (ISV) passing over the Indonesian maritime continent
C35	H. Hashiguchi	Kyoto Univ.	Observational study on fine structure of clear air turbulence in the tropical troposphere
C36	H. Hashiguchi	Kyoto Univ.	Overseas field training in Equatorial Atmosphere Observatory
C37	Eddy Hermawan	LAPAN	Development of Indonesian Monsoon Index (IMI) Based on EAR and other Facilities at Kototabang
C38	Findy Renggono	BPPT	Study on drop size distributions based on Equatorial Atmosphere Radar observations
C39	Asif Awaludin	LAPAN	Software defined radio application as a digital receiver for range imaging atmospheric radar
C40	Peberlin Sitompul	LAPAN	Signal and data processing of EAR on atmospheric and ionospheric observation mode
C41	Marzuki	Kyoto Univ.	Variability of Vertical Structure of Rainfall over Indonesian Maritime Continent: TRMM observations and Wind Profiler Measurements
C42	Marzuki	Kyoto Univ.	Variability of rain drop size distribution at Kototabang and Padang
D43	S. Saito	ENRI	Studies of spatial gradient in TEC and plasma bubble monitoring for GNSS
D44	T. Tsugawa	NICT	Study on the onset and propagation mechanism of equatorial spread F with EAR, NICT ionospheric observation network, and GPS receiver network
D45	M. Yamamoto	Kyoto Univ.	Study of equatorial Spread-F with satellite-ground beacon experiment and the Equatorial Atmosphere Radar
D46	Y. Otsuka	Nagoya Univ.	Observations of the field-aligned irregularities in the ionosphere using the EAR and 30.8 MHz radar
AD47	K. Shoji	JMA	Investigation on generating factor of transverse band (TVB)
B48	A.K. Patra	NARL	Exploration of daytime 150 km echoes using the MU radar
B49	J.-S. Chen	Chienkuo Tech. U.	Three-dimensional structure of field-aligned irregularities observed with multi-frequency and multi-receiver techniques of MU radar