

**Collaborative Research based on Equatorial Atmosphere Radar (EAR) in FY2012**

No.	PI	Affiliation	Research Title
2012-E01	M. Yamamoto	Kyoto Univ.	Research Enhancement and System Establishment for Space Weather in Indonesia
2012-E02	M. Yamamoto	Kyoto Univ.	Study of equatorial Spread-F with satellite-ground beacon experiment and the Equatorial Atmosphere Radar
2012-E03	S. Saito	ENRI	Studies of spatial gradient in TEC and plasma bubble monitoring for GNSS
2012-E04	T. Nagatsuma	NICT	Study on the onset and propagation mechanism of equatorial spread F with EAR, NICT ionospheric observation network, and GPS receiver network
2012-E05	Y. Otsuka	Nagoya Univ.	Observations of the field-aligned irregularities in the E and F regions using the EAR and 30 MHz radar
2012-E06	Y. Otsuka	Nagoya Univ.	Study on the equatorial ionosphere and thermosphere
2012-E07	A.K. Patra	NARL	Seasonal and solar activity dependence of daytime 150-km echoes
2012-E08	H. Hashiguchi	Kyoto Univ.	Observational study on fine structure of clear air turbulence in the tropical troposphere
2012-E09	H. Hashiguchi	Kyoto Univ.	Observational study on vertical characteristics of precipitation in the tropics
2012-E10	Eddy Hermawan	LAPAN	Determination of Indonesia Monsoon Index based on the EAR and WPR Data Analysis
2012-E11	Noersomadi	LAPAN	Comparison and Calibration of Radiosonde Sensor System Developed by LAPAN
2012-E12	Y. Maekawa	Osaka E.-C. Univ.	A study on the distribution of precipitating clouds on the propagation paths of satellite communications in the equatorial region
2012-E13	H. Hashiguchi	Kyoto Univ.	X-band MP Radar Observations of Precipitating Cloud Systems
2012-E14	M. Abo	Tokyo Metro. Univ.	Observation of atmospheric wave propagation from troposphere to mesosphere at equatorial region
2012-E15	C. Nagasawa	Tokyo Metro. Univ.	Lidar observation of the equatorial ozone in the tropopause region
2012-E16	S. Sridharan	NARL	Investigation of characteristics and variabilities of non-migrating tides using simultaneous EAR and meteor radar observations at Koto Tabang during Indonesian monsoon periods
2012-E17	T. Shimomai	Shimane Univ.	Study on water vapor transport and rainfall based on the radiometer, the EAR and the X band radar observations
2012-E18	T. Kozu	Shimane Univ.	Characteristics of raindrop size distribution for convective rainfall at Kototabang
2012-E19	H. Hashiguchi	Kyoto Univ.	Study on intra-seasonal oscillation based on radar network over maritime continent
2012-E20	Y. Shibagaki	Osaka E.-C. Univ.	Multi-scale structure of convective systems in Indonesian Maritime Continent
2012-E21	Findy Renggono	BPPT	Study on drop size distributions based on Equatorial Atmosphere Radar observations
2012-E22	H. Hashiguchi	Kyoto Univ.	Overseas field training in Equatorial Atmosphere Observatory
2012-E23	Marzuki	Andalas Univ.	Characteristics of Rain Propagation and Cells around Kototabang
2012-E24	S. Mori	JAMSTEC	Temporal modulation of eastward moving convective intraseasonal variation (ISV) passing over the Indonesian maritime continent

**Database**

No.	PI	Affiliation	Research Title
2012-ED01	J. Matsumoto	Tokyo Metro. Univ.	Utilization of EAR data into AMY Reanalysis
2012-ED02	M. Yamamoto	Kyoto Univ.	Study on small-scale turbulence in the tropical troposphere using range imaging with the Equatorial Atmosphere Radar
2012-ED03	M. Yamamoto	Kyoto Univ.	Wind observation of non-precipitating clouds in the middle troposphere using the Equatorial Atmosphere Radar and lidar
2012-ED04	Iain Reid	Univ. of Adelaide	Evolution of rainfall DSDs in the equatorial region
2012-ED05	Eddy Hermawan	LAPAN	Determination of Indonesia Monsoon Index based on the EAR and WPR Data Analysis