Collaborative Research based on Equatorial Atmosphere Radar (EAR) in FY2010

No.	PI	Affiliation	Research Title
2010-E01	Y. Otsuka	Nagoya Univ.	Study on the equatorial ionosphere and thermosphere
2010-E02	Y. Otsuka	Nagoya Univ.	Observations of the field-aligned irregularities in the E and F regions using the EAR and 30MHz radar
2010-E03	C. Nagasawa	Tokyo Metro. Univ.	Study on temperature and composition structures in the equatorial mesopause region
2010-E04	M. Yamamoto	Kyoto Univ.	Study of equatorial Spread-F with satellite-ground beacon experiment and the Equatorial Atmosphere Radar
2010-E05	T. Nagatsuma	NICT	Study on the onset mechanism of equatorial spread F with EAR and NICT ionospheric observation network
2010-E06	A. K. Patra	NARL	Role of low latitude E region on the onset and sustenance of F region plasma irregularities
2010-E07	H. Hashiguchi	Kyoto Univ.	Observational study on fine structure of clear air turbulence in the tropical troposphere
2010-E08	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
2010-E09	Eddy Hermawan	LAPAN	Development of the Madden Julian Oscillation (MJO) Model Prediction Based on the Real time Multivariate MJO (RMM1 and RMM2) Data Analysis
2010-E10	T. Shimomai	Shimane Univ.	Study on water vapor transport and rainfall based on the radiometer, the EAR and the X band radar observations
2010-E11	M. Fujiwara	Hokkaido Univ.	Transport and dehydration processes in the Tropical Tropopause Layer
2010-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
2010-E13	M. Abo	Tokyo Metro. Univ.	Observation of atmospheric wave propagation from troposphere to mesosphere at equatorial region
2010-E14	Findy Renggono	BPPT	Study on drop size distributions based on Equatorial Atmosphere Radar observations
2010-E15	T. Kozu	Shimane Univ.	Time-height properties of raindrop size distribution at Kototabang
2010-E16	Y. Shibagaki	Osaka E.-C. Univ.	Multi-scale structure of convective systems in Indonesian Maritime Continent
2010-E17	H. Hashiguchi	Kyoto Univ.	Study on intra-seasonal oscillation based on radar network over maritime continent
2010-E18	Marzuki	Andalas Univ.	Study of raindrop oscillation from 2-D Video Distrometer observations
2010-E19	Marzuki	Andalas Univ.	Small scale variability of the rain drop size distribution at Kototabang
2010-E20	S. Mori	JAMSTEC	Temporal modulation of eastward moving convective intraseasonal variation (ISV) passing over the Indonesian maritime continent
2010-E21	M. Yamamoto	Kyoto Univ.	Research Enhancement and System Establishment for Space Weather in Indonesia
2010-E22	Y. Ohno	NICT	Database production of tropical precipitation properties used for validating observation product from EarthCARE cloud profiling radar and GPM dual-frequency precipitation radar

Database

No.	PI	Affiliation	Research Title
2010-ED01	Eddy Hermawan	LAPAN	Development of the Madden Julian Oscillation (MJO) Model Prediction Based on the Real time Multivariate MJO (RMM1 and RMM2) Data Analysis
2010-ED02	M. Yamamoto	Kyoto Univ.	Study on small-scale turbulence in the tropical troposphere using range imaging with the Equatorial Atmosphere Radar
2010-ED03	M. Yamamoto	Kyoto Univ.	Wind observation of non-precipitating clouds in the middle troposphere using the Equatorial Atmosphere Radar and lidar