

Collaborative Research based on Equatorial Atmosphere Radar (EAR) in FY2006

No.	PI	Affiliation	Research Title
2006-E01	S. Mori	JAMSTEC	Understanding on multi-scale structures of tropical convective systems over the Indonesian maritime continent and validation of TRMM PRH (PR Heating) algorithm
2006-E02	M. Fujiwara	Hokkaido Univ.	Research on the transport processes in the Tropical Tropopause Layer over the eastern Indian Ocean by simultaneous sonde observations at R/V Mirai and at the Equatorial Atmosphere Observatory
2006-E03	Findy R.	BPPT	Study on drop size distributions based on Equatorial Atmosphere Radar observations
2006-E04	T.H. Seto	BPPT	Study on convection over Sumatra Indonesia in relation to large-scale disturbances
2006-E05	M.K. Yamamoto	Kyoyo Univ.	Simultaneous observation of aerosol and vertical wind in the lower stratosphere by Equatorial Atmosphere Radar
2006-E06	N. Nishi	Kyoto Univ.	An observational study on the fine-scale distribution of vertical wind in/around the stratiform cloud in the tropical upper troposphere
2006-E07	K. Yasunaga	JAMSTEC	Investigations on the mechanisms of production, maintenance, and dissipation of the thin cloud layers at the middle troposphere in the tropics
2006-E08	C. Nagasawa	Tokyo Metro. Univ.	Study on temperature and composition structures in the equatorial mesopause region
2006-E09	M. Ishii	NICT	Study on the onset mechanism of equatorial spread F with EAR and NICT ionospheric observation network
2006-E10	T. Ogawa	Nagoya Univ.	Study on equatorial ionosphere and thermosphere
2006-E11	Y. Otsuka	Nagoya Univ.	Observations of the field-aligned irregularities in the E and F regions using the EAR and 30MHz radar
2006-E12	Gernot H.	Kyoto Univ.	Search for active instability regions in the upper troposphere, TTL, and lower stratosphere regions using high time-resolution multi-frequency interferometry (FII)
2006-E13	T. Tsuda	Kyoto Univ.	Detailed Monitoring of Humidity and Temperature Profiles with the EAR-RASS Observation
2006-E14	T. Shimomai	Shimane Univ.	High time resolution observation of water vapor profiles in the equatorial region
2006-E15	T. Kozu	Shimane Univ.	Evolution convective clouds, and their coupling with meso- to large-scale precipitation systems
2006-E16	H. Hashiguchi	Kyoto Univ.	Study on intra-seasonal oscillation based on radar network over maritime continent
2006-E17	K.K. Reddy	JAMSTEC	Characterization of the planetary boundary layer, cloud and precipitation over maritime continent region
2006-E18	M. Abo	Tokyo Metro. Univ.	Study on atmospheric structure in the equatorial troposphere
2006-E19	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
2006-E20	Y. Shibagaki	Osaka E.-C. Univ.	Multi-scale structure of convective systems in Indonesian maritime continent
2006-E21	M. Fujiwara	Hokkaido Univ.	Transport and dehydration processes in the Tropical Tropopause Layer
2006-E22	T. Sato	Kyoyo Univ.	Functional expansion of the Equatorial Atmosphere Radar with digital receiver arrays

Database

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2006-ED01	Asril	BPPT	The preliminary study of use of a remote control aircraft in cloud seeding by studying the properties of the seedable
2006-ED02	Eddy H.	LAPAN	Characteristics and Mechanism of Madden-Julian Oscillation (MJO) Related to the Rainfall Anomalies with the Equatorial Atmosphere Radar (EAR), Boundary Layer Radar (BLR) and Satellite Data Analysis
2006-ED03	S. Fukao	Kyoyo Univ.	Observation campaign of tropical cirrus by VHF-band Doppler radar, cloud radar, lidar, weather radar, and
2006-ED04	N. Nishi	Kyoto Univ.	An observational study on the fine-scale distribution of vertical wind in/around the stratiform cloud in the tropical upper troposphere
2006-ED05	M.K. Yamamoto	Kyoyo Univ.	Simultaneous observation of aerosol and vertical wind in the lower stratosphere by Equatorial Atmosphere Radar