

Collaborative Research based on Equatorial Atmosphere Radar (EAR) in FY2008

No.	PI	Affiliation	Research Title
2008-E01	T. Tsuda	Kyoyo Univ.	Observation and data analysis practice to create a observation-research-education network for the equatorial atmosphere
2008-E02	T. Tsuda	Kyoyo Univ.	Detailed Monitoring of Humidity and Temperature Profiles with the EAR-RASS Observation
2008-E03	Eddy H.	LAPAN	Propagation and the Vertical Structure of the Madden-Julian Oscillation Based on the Equatorial Atmosphere Radar (EAR), the Boundary Layer Radar (BLR), Radiosonde, and NCEP-NCAR Reanalysis
2008-E04	M.K. Yamamoto	Kyoyo Univ.	Wind and turbulence observation of non-precipitating clouds in the middle troposphere using the Equatorial Atmosphere Radar and lidar
2008-E05	Y. Ohno	NICT	Study on spatial structure and generation processes of clouds based on synchronous observations with spaceborne cloud radar and Equatorial Atmosphere Radar
2008-E06	A. K. Patra	NARL	Investigation of low latitude daytime 150-km irregularities using the EAR
2008-E07	Y. Otsuka	Nagoya Univ.	Study on the equatorial ionosphere and thermosphere
2008-E08	A. K. Patra	NARL	Investigation on low latitude QP echoes using the EAR
2008-E09	Y. Otsuka	Nagoya Univ.	Observations of the field-aligned irregularities in the E and F regions using the EAR and 30MHz radar
2008-E10	S. Sridharan	NARL	Investigation on the relationship among Sporadic sodium, Sporadic E, field aligned irregularities and neutral winds
2008-E11	M. Yamamoto	Kyoyo Univ.	Observations of lightning activity and ionospheric perturbation using FORMOSAT-2/ISUAL and Equatorial Atmosphere Radar
2008-E12	M. Ishii	NICT	Study on the onset mechanism of equatorial spread F with EAR and NICT ionospheric observation network
2008-E13	C. Nagasawa	Tokyo Metro. Univ.	Study on temperature and composition structures in the equatorial mesopause region
2008-E14	M. Abo	Tokyo Metro. Univ.	Study on atmospheric structure in the equatorial troposphere
2008-E15	Fadli S.	BPPT	Observational study on temporal and spatial characteristics of precipitation cloud system over the Indonesian maritime continent
2008-E16	M. Fujiwara	Hokkaido Univ.	Transport and dehydration processes in the Tropical Tropopause Layer
2008-E17	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
2008-E18	Y. Shibagaki	Osaka E.-C. Univ.	Multi-scale structure of convective systems in Indonesian maritime continent
2008-E19	T. Kozu	Shimane Univ.	Time-height properties of raindrop size distribution at Kototabang
2008-E20	T. Shimomai	Shimane Univ.	Study on water vapor transport and rainfall based on the radiometer, the EAR and the X band radar observations
2008-E21	N. Sakurai	JAMSTEC	Observational study of migratory cloud systems with diurnal cycle over Sumatera Island
2008-E22	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
2008-E23	H. Hashiguchi	Kyoyo Univ.	Study on intra-seasonal oscillation based on radar network over maritime continent
2008-E24	T.H. Seto	BPPT	Study on convection over Sumatra Indonesia in relation to large-scale disturbances
2008-E25	Findy R.	BPPT	Study on drop size distributions based on Equatorial Atmosphere Radar observations
2008-E26	Marzuki	Andalas U.	Study of raindrop oscillation from 2-D Video Distrometer observations
2008-E27	Marzuki	Andalas U.	Intercomparison of Classification of Precipitating Cloud from Rainfall Received on the Ground (2DVD) and 1.3GHz Boundary Layer Radar

Database

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2008-ED01	Y. Ohno	NICT	Study on spatial structure and generation processes of clouds based on synchronous observational data with spaceborne cloud radar and Equatorial Atmosphere Radar
2008-ED02	M.K. Yamamoto	Kyoyo Univ.	Lower-tropospheric wind variations over Sumatra, Indonesia: a comparison with observations and NCEP/NCAR reanalysis
2008-ED03	M.K. Yamamoto	Kyoyo Univ.	Wind observation of non-precipitating clouds in the middle troposphere using the Equatorial Atmosphere Radar and lidar
2008-ED04	N. Nishi	Kyoyo Univ.	An observational study on the fine-scale distribution of vertical wind in/around the stratiform cloud in the tropical troposphere
2008-ED05	N. Nishi	Kyoyo Univ.	Low frequency variability in the vertical motion observed by EAR
2008-ED06	M. Fujiwara	Hokkaido Univ.	Statistical analysis on the tropospheric and stratospheric vertical wind using the EAR — Comparison with a global non-hydrostatic atmospheric model (NICAM) —
2008-ED07	Eddy H.	LAPAN	Propagation and the Vertical Structure of the Madden-Julian Oscillation Based on the Equatorial Atmosphere Radar (EAR), the Boundary Layer Radar (BLR), Radiosonde, and NCEP-NCAR Reanalysis