

Collaborative Research based on Equatorial Atmosphere Radar (EAR) in FY2007

No.	PI	Affiliation	Research Title
2007-E01	N. Nishi	Kyoyo Univ.	A study on fine-scale distribution of vertical wind in/around stratiform cloud in the tropical troposphere
2007-E02	M.K. Yamamoto	Kyoyo Univ.	Fine-scale wind observation of non-precipitating clouds in the middle troposphere using the Equatorial Atmosphere Radar and lidar
2007-E03	M.K. Yamamoto	Kyoyo Univ.	Fine-scale wind observation of precipitating clouds in the middle troposphere using the Equatorial Atmosphere Radar
2007-E04	M.K. Yamamoto	Kyoyo Univ.	Observation of zenithal and azimuthal dependency of echo power intensity at VHF frequency using the Equatorial Atmosphere Radar
2007-E05	T. Tsuda	Kyoyo Univ.	Detailed Monitoring of Humidity and Temperature Profiles with the EAR-RASS Observation
2007-E06	Eddy Hermawan	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
2007-E07	M. Yamamoto	Kyoyo Univ.	Observations of lightning activity and ionospheric perturbation using FORMOSAT-2/ISUAL and Equatorial Atmosphere Radar
2007-E08	C. Nagasawa	Tokyo Metro. Univ.	Study on temperature and composition structures in the equatorial mesopause region
2007-E09	M. Ishii	NICT	Study on the onset mechanism of equatorial spread F with EAR and NICT ionospheric observation network
2007-E10	T. Ogawa	Nagoya Univ.	Study on the equatorial ionosphere and thermosphere
2007-E11	Y. Otsuka	Nagoya Univ.	Observations of the field-aligned irregularities in the E and F regions using the EAR and 30MHz radar
2007-E12	M. Abo	Tokyo Metro. Univ.	Study on atmospheric structure in the equatorial trposphere
2007-E13	J. Hamada	JAMSTEC	Climatological study on temporal and spatial characteristics of precipitation cloud system over Sumatera
2007-E14	M. Fujiwara	Hokkaido Univ.	Transport and dehydration processes in the Tropical Tropopause Layer
2007-E15	S. Sridharan	NARL	Study of Kelvin Waves in the Equatorial and Low-latitude Middle Atmosphere (~10-100 km): Estimation of Momentum Flux
2007-E16	N. Sakurai	JAMSTEC	Observational study on migratory cloud system with diurnal cycle over Sumatera Island
2007-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
2007-E18	Y. Ohno	NICT	Study on spatial structure and generation processes of clouds based on synchronous observations with spaceborne cloud radar and Equatorial Atmosphere Radar
2007-E19	M.D. Yamanaka	JAMSTEC	Study on intra-seasonal oscillation based on radar network over maritime continent
2007-E20	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
2007-E21	T. Kozu	Shimane Univ.	Time-height properties of raindrop size distribution at Kototabang
2007-E22	T. Shimomai	Shimane Univ.	Study on water vapor transport and rainfall based on the radiometer, the EAR and the X band radar observations
2007-E23	Y. Shibagaki	Osaka E.-C. Univ.	Multi-scale structure of convective systems in Indonesian maritime continent
2007-E24	T.H. Seto	BPPT	Study on convection over Sumatra Indonesia in relation to large-scale disturbances
2007-E25	Findy R.	BPPT	Study on drop size distributions based on Equatorial Atmosphere Radar observations
2007-E26	D. Narayana Rao	NARL	Investigation of the relationship between stable oxygen/ hydrogen isotopes and the drop size distribution in tropical rainfall
2007-E27	Marzuki	Andalas U.	Variability of rain attenuation at various frequencies obtained from measurement of raindrop size distribution at Koto Tabang
2007-E28	Marzuki	Andalas U.	Intercomparison of Classification of Precipitating Cloud from Rainfall Received on the Ground (2DVD) and 1.3GHz Boundary Layer Radar
2007-E29	Amit Kumar Patra	NARL	Investigation of low latitude daytime 150-km irregularities using the EAR

Database

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