

**List of Papers and Data Books By ACOS 650 II Users
Published in 1983, 1984, and 1985**

Papers and data books published by the users of the computer system, ACOS 650 II in 1983, 1984, and 1985 are as follows.

- Iwata, A., Y. Kondo, and M. Takagi: A Laser Radar System for the Observations of Minor Atmospheric Constituents in the Stratosphere, Proc. Res. Inst. Atmospheric, Nagoya Univ., **30**, 25-35 (1983).
- Iwata, A. and M. Takagi: Lidar Observation of Decaying ElChichon Eruption Cloud over Toyokawa, Japan (35°N), Res. Lett. Atmos. Elec., **4**, 11-16 (1984).
- Kondo, Y., A. Iwata, and M. Takagi: A Chemiluminescent NO_x Detector for the Aircraft Measurement, J. Met. Soc. Japan, **61**, 756-762 (1983).
- Kondo, Y., A. Iwata, M. Takagi, and W. A. Matthews: Balloon-borne Chemiluminescent Sonde for the Measurement of Tropospheric and Stratospheric Nitric Oxide, Rev. Sci. Instrum., **55**, 1328-1332 (1984).
- Kondo, Y., A. Iwata, M. Takagi, and Y. Morita: Aircraft Observations of NO_x in the Troposphere at Mid-latitude, MAP Handbook (in press).
- Kondo, Y., A. Iwata, W. A. Matthews, Y. Morita, and M. Takagi: Aircraft Measurement of NO_x along the Eastern Rim of the Asian Continent, submitted to J. Geophys. Res.
- Kondo, Y., W. A. Matthews, A. Iwata, and M. Takagi: Measurement of Nitric Oxide from 7 to 32 km and Its Diurnal Variation in the Stratosphere, J. Geophys. Res., paper number 4D1424 (1985).
- Kondo, Y., W. A. Matthews, A. Iwata and M. Takagi: Measurement of Nitric Oxide Profile from 7 to 32 km and Its Diurnal Variation in the Stratosphere, MAP Handdbook, (in press).
- Matthews, W. A., Y. Kondo, A. Iwata, and M. Takagi: Nitric Oxide Profile from 7 to 32 km, Proc. Int. Ozone Symp., Greece, Reidel Publ. Co. (in press).
- Morita, Y.: Spatial Distribution of Tropospheric Aerosols, Meteor. Res. Note, No. **146**, 51-80, (1980). (in Japanese)
- Morita, Y.: Recent Measurements of Electrical Conductivity and Ion Pair Production Rate, and the Ion-Ion Recombination

- Coefficient Derived from them in the Lower Stratosphere, *J. Geomag. Geoelec.*, **35**, 29-38 (1983).
- Morita, Y. and M. Takagi: Balloon Measurements of Stratospheric Aerosol by Light-Scattering Aerosol Particle Counters, *Bull. Inst. Space Astron. Sci.*, **8**, 87-99 (1983). (in Japanese)
- Morita, Y., M. Takagi, Y. Iwasaka, and A. Ono: Balloon Measurements of Aerosols in the Antarctic Stratosphere, *MAP Handbook*. (in press)
- Morita, Y., M. Takagi and Y. Kondo: Aircraft Measurement of Aerosols in the Upper Troposphere at Mid-Latitude, *MAP Handbook*. (in press)
- Ogawa, T., N. Iwagami and Y. Kondo: Solar Cycle Variation of Thermospheric Nitric Oxide, *J. Geomag. Geoelec.*, **36**, 317-340 (1984).
- Takagi, M. and A. Iwata: Correlation between the Atmospheric Electric Field at a Seaside Station and the Worldwide Universal Field, *Res. Lett. Atmos. Elec.*, **3**, 7-12 (1983).
- Takagi, M. and A. Iwata: Solar Influence on the Earth's Electric Field, *Proc. VII Int. Conf. Atmos. Elec.*, *Amer. Met. Soc.*, 107-110 (1984).
- Takagi, M., A. Iwata, and Y. Kondo: Behavior of Decaying El Chichon Cloud over Toyokawa, Japan (35°N) Observed by 532-nm Lidar, *MAP Handbook*. (in press)
- Takagi, M. and Y. Kondo: A Method of Analysis in the Solar Occultation Measurements, *Proc. Res. Inst. Atmospheric, Nagoya Univ.*, **30**, 1-14 (1983).
- Takagi, M., Y. Kondo, and A. Iwata: Observation of Stratospheric Aerosol and Ozone by the Satellite "Ohzora", submitted to *J. Geomag. Geoelec.*
- Takagi, M., Y. Morita, A. Iwata, and Y. Kondo: On the Observation Techniques for Stratospheric Aerosols, submitted to *J. Met. Soc. Japan*.
- Takagi, M., Y. Morita, Y. Kondo, and H. Ishikawa: Balloon Observations of Atmospheric Electrical Elements and Aerosols in the Lower Stratosphere, ed. L. H. Ruhnke and J. Latham, *A. Deepak Publishing, Hampton*, 10-13 (1983).
- Enome, S: Relation Between Narrow-Band Decimeter Wave Bursts and X-Ray Bursts, *Third Asian-Pacific Regional Meeting of the IAU, held at Kyoto, September 30 - October 6, 1984*.
- Enome, S., K. Shibasaki, T. Takayanagi, and S. Takata: Atlas of Solar Radio Bursts for 1983, *WDC-C2 Toyokawa*, (1984).
- Enome, S., K. Shibasaki, T. Takayanagi, and S. Takata: Atlas of Solar

- Radio Bursts for 1984, WDC-C2 Toyokawa, in press (1985).
- Makita, M., S. Hamana, K. Nishi, M. Shimizu, S. Sakurai, and K. Shibasaki: Solar Vector Magnetograms of the Okayama Astrophysical Observatory, Third Asian-Pacific Regional Meeting of IAU, held in Kyoto, September 30 - October 6, 1984, Monthly Report of Solar Radio Emissions, Toyokawa Observatory, January - December (1984).
- Nishio, M., K. Shibasaki: A Modified Self-Calibration Method of the Gain and the Phase of the Radio Interferometer, Trans. Inst. Electr. Comm. Eng. Japan, **J68-B**, in press (1985), (in Japanese).
- Nishio, M., C. Torii, S. Enome, K. Shibasaki, Y. Tsukuji, S. Kobayashi, N. Yoshimi, S. Takata, T. Takayanagi and M. Ishiguro: The Improved λ 8-cm Radioheliograph at Toyokawa, Publ. Astron. Soc. Japan, **36**, 371-381 (1984).
- Quarterly Bulletin on Solar Activity (Radio Part) for 1979, Tokyo Astronomical Observatory, University of Tokyo, **22**, (1984).
- Shibasaki, K.: Height Measurement of S-component, Third Asian-Pacific Regional Meeting of IAU, Held in Kyoto, September 30 - October 6, 1984.
- Shibasaki, K.: Spectrum of S-component Flux and Active Region Magnetic Field, Proc. Res. Inst. Atmospherics, Nagoya Univ., **32**, 1 - 9, (1985).
- Shibasaki, K., T. Sakurai, and M. Makita: Solar Vector Magnetograms in 1984, Tokyo Astrophysical Observatory (1985).
- Takakura, T., S. S. Degaonkar, K. Ohki, T. Kosugi, and S. Enome: Long Time Delay between the Peaks of Intense Solar X-ray and Microwave Bursts, Solar Phys., **89**, 379-390 (1983).
- Hayakawa, M., Y. Tanaka, and T. Okada: Morphological Characteristics and the Polarization of Plasmaspheric ELF Hiss Observed at Moshiri, J. Geophys. Res., in press.
- Okada, T., S. Shimakura, Y. Tanaka, and M. Hayakawa: Polarization Characteristics of Whistlers at Low Latitudes, submitted to Ann. Geophysicae.
- Tanaka, Y., and M. Hayakawa: On the Propagation of Daytime Whistlers at Low Latitudes, J. Geophys. Res., in press.
- Yoshida, T., J. Ohtsu and M. Hayakawa: A Study on the Mechanism of Whistler-Triggered VLF Emissions, J. Geophys. Res., **53**, 59-67 (1983).
- Kawasaki, Z-I., Y. Mizutani, T. Nakai and T. Takeuti: On the Estimation of Lightning Return Stroke Current, Proc. Int. Conf. on Lightning and Static Electricity, 351-357 (June 1984).

- Kawasaki, Z-I., M. Nakano, T. Takeuti and T. Nakai: Group Velocity of Lightning Return Stroke Currents, Proc. Int. Aerospace and Ground Conf. on Lightning and Static Electricity, in press (June 1985).
- Nakai, T. and H. Ohba: On the Graphical Method of Drawing APD's for Atmospheric Radio Noise, IEEE Trans. Electromagn. Compt., **EMC-26**, 71-78 (1984).
- Nakai, T.: Automotive Noise from a Mortorway, Part 2, Analysis, IEEE Trans. Electromagn. Compat., **EMC-26**, 175-182 (1984).
- Nakai, T. and Z-I. Kawasaki: APD's and CRD's for Noises from Bullet Trains in Japan, 1984 International Symposium on Electromagnetic Compatibility, **1**, 250-255 (1984).
- Takagi, N., T. Takeuti and T. Nakai: Line Constants of the Return Stroke Channels of Lightning Triggered with Rockets, Trans. IEE of Japan, **105-B**, in press (1985). (in Japanese)
- Solar Wind Speed from IPS Measurements, Jan. -Dec. 1983.
- Kakinuma, T., and M. Kojima: Observations of the Solar Wind at High Latitudes, in Extended Abstracts of Joint U.S.-Japan Seminar on Recent Advances in the Understanding of Structure and Dynamics of the Heliomagnetosphere During the Current Maximum and Declining Phase of Solar Activity, Kyoto, Nov. 5-9, 1984, pp. 1-6 (1984).
- Sakai, J. and H. Washimi: A Dynamical Model of Solar Prominences with Current Sheet, in Extended Abstracts of Joint U.S.-Japan Seminar on Recent Advances in the Understanding of Structure and Dynamics of the Heliomagnetosphere During the Current Maximum and Declining Phase of Solar Activity, Kyoto, Nov. 5-9, 1984, pp.79-84 (1984).
- Washimi, H. and I. Katanuma: Formation of Large Electrostatic Potential along Magnetic Field Lines, Proc. 1984 Sendai Symposium on Plasma Nonlinear Phenomena, ed. Sato, N., 17-21 (1984). (in Japanese)
- Washimi, H.: Formation of Interplanetary Shock waves, in Extended Abstracts of Joint U.S.-Japan Seminar on Recent Advances in the Understanding of Structure and Dynamics of the Heliomagnetosphere During the Current Maximum and Declining Phase of Solar Activity, Kyoto, Nov. 5-9, 1984, pp.73-78 (1984).
- Watanabe, T.: Interplanetary Manifestation of the "Halo" Coronal Mass Ejection of November 27, 1979, Proc. Res. Inst. Atmospherics, Nagoya Univ., **32**, 11-28 (1985).
- Watanabe, T., and T. Kakinuma: Large-Scale Properties of Interplanetary Disturbances Revealed from IPS Observations, in

- Extended Abstracts of Joint U.S.-Japan Seminar on Recent Advances in the Understanding of Structure and Dynamics of the Heliosphere During the Current Maximum and Declining Phase of Solar Activity, Kyoto, Nov. 5-9, 1984, pp. 108-113 (1984).
- Watanabe, T. and T. Kakinuma: Radio Scintillation Observations of Interplanetary Disturbances, *Adv. Space Res.*, in press (1985a).
- Watanabe, T., and T. Kakinuma: Three-Dimensional Properties of Interplanetary Disturbances in 1978-1981, *Astrophys. Space Sci.*, in press (1985b).
- Watanabe, T., and K. Marubashi: IPS Observations of Transient Interplanetary Phenomena Associated with Solar Filament Activity in Late August 1978, *J. Geomag. Geoelectr.*, submitted (1985).