

**LIST OF PAPERS AND DATA-BOOKS BY ACOS 700 USERS  
PUBLISHED IN FISCAL YEAR 1982**

The papers and data-books published by the users of computer system, ACOS 700 in the fiscal year 1982 are as follows.

- Watanabe, T., T. Kamada, T. Ogino, H. Jindoh, S. Tokuda and K. Ohta: A high-gain, broadband, steerable, decametric array to observe Jovian emission: I. a 4-element array, Proc. Res. Inst. Atmospheric, Nagoya Univ., this volume (1983)
- Kamada, T., T. Ogino and H. Jindoh: Investigation of the ELF-VLF electromagnetic environment in Kiruna and its suburbs, Proc. Res. Inst. Atmospheric, Nagoya Univ., this volume (1983)
- Nakamura, Y and T. Ogino: Numerical and laboratory experiments on spherical ion-acoustic solitons, Plasma Phys., 24 1295-1315 (1982)
- Iwata, A., Y. Kondo and M. Takagi: A laser radar system for the observation of minor atmospheric constituents in the stratosphere, Proc. Res. Inst. Atmospheric, Nagoya Univ., this volume (1983)
- Kondo, Y., M. Takagi and A. Iwata: measurements of stratospheric aerosol by balloon-borne sun-photometers, B. ISAS, 4, 75-86 (1982) (in Japanese)
- Kondo, Y., M. Takagi and A. Iwata: Measurements of stratospheric ozone by Chappnis band attenuation, B. ISAS, 4, 87-91 (1982) (in Japanese)
- Kondo, Y., M. Takagi and A. Iwata: Measurements of stratospheric ozone by Chappnis band absorption, submitted to J. Met. Soc. Japan
- Kondo, Y., M. Takagi, Y. Morita and A. Iwata: Aircraft measurements of NO<sub>x</sub> above the coast of Japan, Proc. Res. Inst. Atmospheric, Nagoya Univ. 29, 85-91 (1982)
- Takagi, M., A. Iwata, M. Kanada and N. Toriyama: Aerosol observation at Hachijo-Jima in early winter, Proc. Res. Inst. Atmospheric,

- Nagoya Univ., 29, 21-34 (1982)
- Takagi, M. and Y. Kondo: A method of analysis in solar occultation measurements; Calculation of refraction and absorption, B. ISAS, 4, 65-74 (1982) (in Japanese)
- Takagi, M. and Y. Kondo: A method of analysis in the solar occultation measurements, Proc. Res. Inst. Atmospheric, Nagoya Univ., this volume (1983)
- Monthly Report of Solar Radio Emissions, Toyokawa Observatory, January-December (1982)
- Enome, S., K. Shibasaki, T. Takayanagi and S. Takata: Atlas of solar radio bursts for 1982, Toyokawa Observatory, WDC-C2 Toyokawa (1983)
- Enome, S.: Impulsive and extended solar bursts, Proc. 'Hinotori' Symposium, ISAS, 263-272 (1982)
- Enome, S.: Narrow-Band Decimeter Bursts and X-ray Emissions, Proc. US-Japan Seminar on Solar Flares, in press (1983)
- Morita, K-I. and M. Ishiguro: An optimization of super-synthesis by "Number of Weighted Holes", Trans. IECE Japan, J65, 1013-1020 (1982) (in Japanese)
- Shibasaki, K., E. Antonucci, F. Chuideri-Drago, M. Melozzi and C. Slottje: Microwave, Ultraviolet and Soft X-ray Observations of Hole Region 16898, submitted to Solar Phys. (1983)
- Nishino, M., Y. Tanaka, Y. Katoh and A. Iwai: An observation system of cosmic radio noise absorption by Riometers using corner-reflector antennas, Proc. Res. Inst. Atmospheric, Nagoya University, this volume (1983)
- Nishino, M., Y. Tanaka, A. Iwai, T. Kamada and T. Hirasawa: On the observed results of the intensity and the polarization of narrow-band hiss emissions, Mem. Natl. Inst. Polar. Res., Special Issue, No. 23 (1983)
- Nakai, T.: Modeling of atmospheric radio noise near thunderstorms, Radio Science, in press (1983)
- Takagi, N. and T. Takeuchi: Oscillating Bipolar Electric Field Changes Due to Lightning Return Strokes, Radio Science, in press (1983)
- Takeuchi, T., N. Takagi and M. Nakano: On the Oscillating Bipolar Return Stroke Current, International Aerospace and Ground Conference on Lightning and Static Electricity at Fort Worth, Texas U.S.A. (1983)
- Kawasaki, Z-I: Analysis of the Bleustein-Gulyaev waveguides with a step discontinuity, Trans. IECE Japan, in press (1983) (in Japanese)

- Kakinuma, T.: Solar wind speed from IPS measurements, for January-December 1981 (1983)
- Washimi, H.: Computer simulations of the heliomagnetosphere, Proc. of the First International School for Space Simulations, held in Kyoto, 143- (1982)
- Hayakawa, M., Y. Yamanaka, F. Lefeuvre and M. Parrit: Direction finding of chorus emissions observed on GEOS 2, Paper presented at AGU Chapman Conference on Waves in Magnetospheric Plasmas, Hawaii, 7-11 (1983)

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