

Proceedings of the Research Institute of Atmospheric,  
Nagoya University, vol. 29 (1982)

## LIST OF PAPERS OR DATA-BOOKS BY ACOS 700 USERS

The papers and data-books published by the users of computer system, ACOS 700 in the fiscal year 1981 are as follows.

- Tsukabayashi, I., Y. Nakamura and T. Ogino: Reflection of a cylindrical ion-acoustic soliton at a symmetric axis, *Phys. Lett.*, 81A, 507-510, 1981.
- Sanuki, H., T. Ogino, S. Ishiguro and T. Kamimura: Numerical analysis of equilibrium and stability in bumpy cylinder, *Proc. of the workshop, EBT stability theory, ORNL*, 229-248, 1981.
- Ishikawa, H., Y. Morita, Y. Kondo, M. Takagi and S. Mochizuki: Aircraft measurement of aerosol distributions in the atmosphere over land and sea, *Proc. Vith Int. Conf. Atm. Elect.*, 1980.
- Kondo, Y., R. Reiter, H. Jager and M. Takagi: Stratospheric aerosol inferred from electrical conductivity during a volcanically quiescent period, *Pageoph*, 119, , 1981.
- Kondo, Y., R. Reiter, H. Jager and M. Takagi: The effect of Mt. St. Helens eruption on tropospheric and stratospheric ions, *Pageoph*, 119, , 1981.
- Kondo, Y. and M. Takagi: Measurement of lower stratospheric aerosol by a balloon-borne photometer, *Pageoph*, 118, 858-866, 1980.
- Kondo, Y., M. Takagi, Y. Morita and A. Iwata: Aircraft measurements of NOx above the coast of Japan, *Proc. Res. Inst. Atmospheric, Nagoya Univ.*, 29, , 1982.
- Morita, Y.: Recent measurements of electric conductivity and ion production rate in the lower stratosphere, *Res. Lett. Atm. Elect.*, 1, 49-52, 1981.
- Takagi, M. and A. Iwata: A seasonal effect in diurnal variation of the atmospheric electric field on the Pacific coast of Japan, *Pageoph*, 118, 953-963, 1980.
- Takagi, M., A. Iwata, M. Kanada and N. Toriyama: Aerosol observation at Hachijo-Jima in early winter, *Proc. Res. Inst. Atmospheric, Nagoya Univ.*, 29, , 1982.

- Takagi, M., A. Iwata and K. Masui: A possible effect of atmospheric waves on 100 kHz Loran-C signals, *J. Atm. Terr. Phys.*, 42, 683-686, 1980.
- Takagi, M., Y. Kondo and A. Iwata: Measurement of ion concentration and mobility in the mesosphere at dusk by rocket-borne Gerdien probes, *J. Geomag. Geoelect.*, 32, 715-719, 1980.
- Takagi, M. and Y. Morita: Evaluation of aerosol effect on electrical conductivity in the lower stratosphere, *J. Geomag. Geoelect.*, 32, 671-681, 1980.
- Takagi, M., Y. Morita, M. Kanada and N. Toriyama: Some examples of vertical distributions of aerosols in 3 km altitude, *Res. Lett. Atm. Elect.*, 1, 5-8, 1980.
- Takagi, M., Y. Morita, Y. Kondo and H. Ishikawa: Balloon observations of atmospheric electrical elements and aerosols in the lower stratosphere, *Proc. VIth Int. Conf. Atm. Elect.*, 1980.
- Nishio, M., Y. Tsukiji, S. Enome, K. Shibasaki and K.-I. Morita: A design study and some experiments of digital correlator backend for  $\lambda$ -8 cm radioheliograph at Toyokawa, *Proc. Res. Inst. Atmosphericics, Nagoya Univ.*, 29, 1982, in press.
- Enome, S.: Impulsive and extended solar bursts, *Proc. 'Hinotori' Symposium, ISAS, Komaba*, 1982, in press.
- Enome, S., K. Shibasaki, T. Takayanagi and S. Takata: Atlas of solar radio bursts for 1980, *IMS/SMY, Toyokawa Observatory, WDC-C2 Toyokawa*, 1981.
- Enome, S., K. Shibasaki, T. Takayanagi and S. Takata: Atlas of solar radio bursts for May and June, 1981, *Toyokawa Observatory, WDC-C2 Toyokawa*, 1981.
- Kobayashi, S., and S. Takata: A control system of the  $\lambda$  8-cm radioheliograph at Toyokawa, *Proc. Res. Inst. Atmosphericics, Nagoya Univ.*, this volume, 1982, (in Japanese).
- Iwai, A., M. Kashiwagi, M. Nishino, Y. Katoh and A. Kengpol: On the accuracy of direction finding methods for atmospheric sources in South-East Asia, *Proc. Res. Inst. Atmosphericics, Nagoya Univ.*, this volume, 1982.
- Nakai, T., Z. Kawasaki, M. Nagatani and H. Nakada: Automotive noise near Tomey Expressway, *EMCJ81-26, IECE, Japan*, 1981-7, (in Japanese).
- Kakinuma, T.: Solar wind speed from IPS measurements, for January - December 1980, 1981.