

CALL FOR PAPERS

IEEE Transactions on Geoscience and Remote Sensing Special Issue on the Chinese Fengyun-3 Satellite Instrument Calibration and Applications

Focus

In the Chinese weather satellite program, the first two research and experiment satellites FengYun-3A (FY-3A) and FengYun-3B (FY-3B) were successfully launched into orbit on May 27, 2008 and November 5, 2010, respectively, and the remaining five operational satellites will be launched once every two years. FY-3A/B satellites cover the mid-morning and afternoon orbits. The following eleven instruments are on board both FY-3A and FY-3B: (1) Visible and Infrared Radiometer (VIRR); (2) MEdium ReSolution Imager (MERSI); (3) Infrared Atmospheric Sounder (IRAS); (4) MicroWave Temperature Sounder (MWTS); (5) MicroWave Humidity Sounder (MWSH); (6) MicroWave Radiation Imager (MWRI); (7) Solar Backscatter Ultraviolet Sounder (SBUV); (8) Total Ozone Mapping Unit (TOM); (9) Earth Radiation Measurer (ERM); (10) Solar Irradiation Monitor (SIM); and (11) Space Environment Monitor (SEM).

During the first two years of FY-3A/B in orbit the focus has been on the calibration and validation of all the instruments, and applications of data in NWP models, which will be the focus of this special issue.

Hence we would like to invite contributions covering the following topics:

- Calibration and performance monitoring of the FY-3A/B instruments;
- First results of calibration and validation and scientific studies using FY-3A/B data;
- Algorithms for retrieving the environmental and geophysical parameters;
- Assimilation of FY-3 data into NWP models; and
- Other advanced applications of FY-3 data in research and operations

Submission Guidelines

Prospective authors should follow the regular guidelines of the IEEE Transactions on Geoscience and Remote Sensing (TGRS), as listed on the inside of the back cover of the Transactions. Authors should submit their manuscripts electronically to <http://mc.manuscriptcentral.com/tgrs>. Instructions for creating new accounts, if necessary, are available on the login screen. Please indicate in your submission that the paper is intended for the Special Issue by selecting "the Chinese Fengyun-3 Satellite Instrument Calibration and Application" from the pull-down menu for manuscript type. Questions concerning the submission process should be addressed to tgrs-editor@ieee.org. For this Special Issue, authors are encouraged to contribute to the voluntary page charges. For those who need financial support for the mandatory

(overlength) page charge, please contact Dr. Xiaolei Zou through email (zou@fsu.edu).

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