

# Call for Papers

A special issue on

**“Exploring the terrestrial and space weather using an operational radio occultation satellite constellation - A FORMOSAT-7/COSMIC-2 Special Issue after 1-year on orbit”**  
for the journal *Terrestrial, Atmospheric and Oceanic Sciences (TAO)* is launched.

(Submissions Start date: October 10, 2020)

## Title of the special issue

Exploring the terrestrial and space weather using an operational radio occultation satellite constellation - A FORMOSAT-7/COSMIC-2 Special Issue after 1-year on orbit

## Scope of the special issue

The scope of the special issue is to advance our knowledge of the terrestrial and space weather system using the new satellite mission, FORMOSAT-7/COSMIC-2 mission. With the abundant radio occultation observations of both atmosphere and ionosphere after one year on orbit, new science findings, improvements on the global and regional terrestrial and space weather forecast and nowcast could be reached. The secondary payloads, RF beacon and ionosphere velocity meter (IVM) also provide unique chances of constellation observations of the ionosphere irregularities that could impact the satellite communications.

This special issue will come along with the 5th International Conference on GPS Radio Occultation (ICGPSRO) that scientists utilized the FORMOSAT-7/COSMIC-2 data will present their latest results of the applications.

As FORMOSAT-7/COSMIC-2 continue the success of FORMOSAT-3/COSMIC, we also plan to invite a couple review papers on the achievement of the FORMOSAT-3/COSMIC.

## Guest Editors

- Charles Lin  
Department of Earth Sciences, National Cheng Kung University, Taiwan  
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- Shu-Chih Yang  
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- Shu-peng Ben Ho  
Center for Weather and Climate Prediction, National Oceanic and Atmospheric Administration, USA
- Nicholas M. Pedatella  
High Altitude Observatory, National Center for Atmospheric Research, USA

## Important dates

- Manuscript submission deadline: ~~December 15, 2020~~ -> **May 31, 2021**
- Revision in final form: June 15, 2021
- Submit to the TAO office: July 15, 2021
- Tentative publication: October, 2021

## How to submit your paper

Register/Log in → Submit New Manuscript → Choose Article Type: Special Issue → Proceed to finish every step

Please select the title of “**A FORMOSAT-7/COSMIC-2 Special Issue after 1-year on orbit**” in the Section/Category of Special Issue.

Manuscripts should be submitted in Microsoft Word via

<http://www.editorialmanager.com/tao/default.aspx>

For more detailed information about submitting your paper, please visit:

<http://tao.cgu.org.tw/index.php/special-issue-all/guidelines-for-si>

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