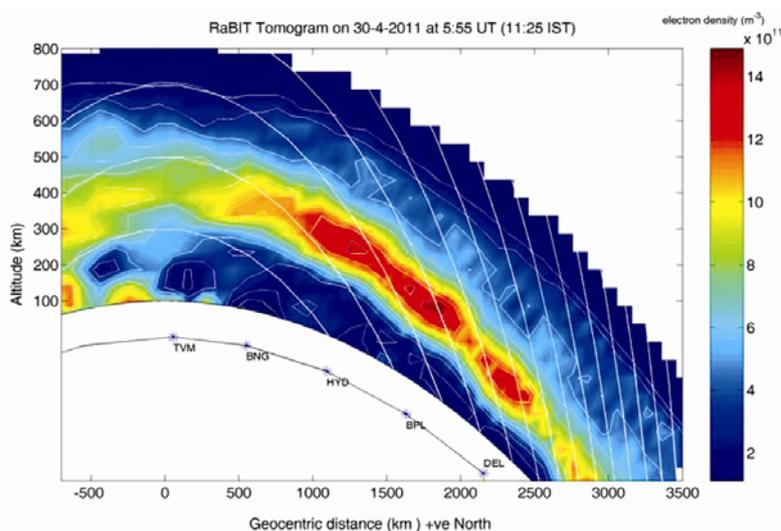


YOUTHSAT – Announcement of Opportunity

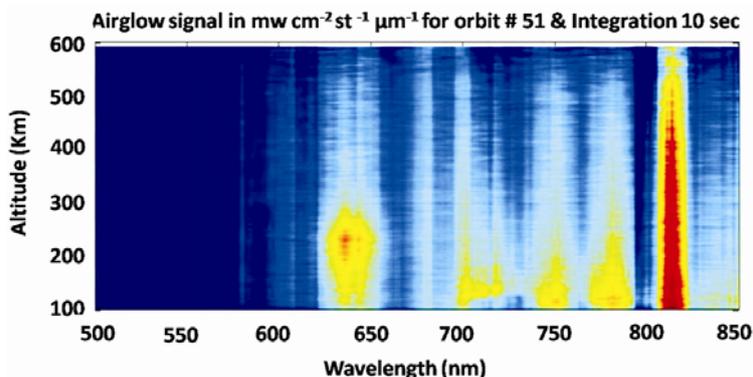
Workshop on Data Utilization for Ionospheric Studies and Hands-on Training
13–14 October 2011

Space Physics Laboratory, Vikram Sarabhai Space Centre, Thiruvananthapuram

YOUTHSAT is India's first aeronomy satellite, launched on 20 April 2011, using India's Polar Satellite Launch Vehicle (PSLV-C16) dedicated for the aeronomy and space weather sciences community. It is an Indo-Russian Collaborative endeavor, carrying three scientific payloads; the RaBIT (Radio Beacon for Ionospheric Tomography), and LiVHySI (Limb Viewing Hyper Spectral Imager), both Indian payloads; and SOLRAD, the Russian (Moscow State University) payload. While the RaBIT aims at generating 2-D tomographic images (see below a typical one) of the Ionosphere across the whole Indian region along a 77°E meridian, providing for the first time an opportunity to look at the topside ionosphere from ground, the LiVHySI images (second figure) emissions from various regions of the Thermosphere, the SOLRAD provides information on the 'state' of the Sun.



With a view to providing the benefit of this unique opportunity to the wide spectrum of global aeronomy scientists in general, and Indian scientists, in particular, a two-day workshop is being organized at the Space Physics Laboratory, Vikram Sarabhai Space Centre, Thiruvananthapuram, during 13–14 October 2011. During this workshop, expert scientists across the country would be providing tutorials on the genesis of the satellite, the data, the products, and their application to aeronomy and space weather research. The participants would also be provided with hands-on training on accessing the data, its analyses to deduce the tomogram products by the experts in the field. Similarly the application of the LiVHySI data for thermospheric studies also would be demonstrated during the workshop.



This announcement of opportunity is an open invitation to all interested scientists to attend the workshop and make the best benefit of this facility available. While there is no registration fee, registration is mandatory for participating in the workshop. The Space Physics Laboratory would take care of your local hospitality during the workshop period. All interested shall fill-in the registration (template given below) and send it through e-mail to the addresses given below. The last date of receiving the registration form is **20 September 2011**.

Registration Form

Workshop on Data Utilization for Ionospheric Studies and Hands-on Training 13–14 October 2011

Name

Designation

Affiliation

Phone/fax

E-mail

Date of birth

Gender

Completed registration forms may be sent to Tarun Kumar Pant, e-mail: tarun_kumar@vssc.gov.in, with cc to tarun pant <tkpant@yahoo.ca> and pr_suseela@vssc.gov.in.



Indian Institute of Science Education and Research (IISER), Pune

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Advt. No. 22/2011. IISER-P/Proj. Rect/10-09-2011

Recruitment for the Positions of Junior Research Fellow (JRF) under DAE-BRNS funded projects undertaken at IISER Pune

Applications are invited for the positions of Junior Research Fellow (JRF) under the following projects:

Project 1 – ‘Development and Functional Studies of Homochiral Inorganic–Organic Hybrid Materials’ (Project code: 30911056; PI: Dr Sujit Ghosh). **Qualifications:** M.Sc. Inorganic Chemistry.

Project 2 – ‘Chiral Lanthanide Carbohydrate Clusters for Studying Carbohydrate–Protein Interactions’ (Project code: 30911057; PI: Dr Raghavendra Kikkeri). **Qualifications:** M.Sc. Organic Chemistry.

Project 3 – ‘Total Synthesis of Natural Benzo[c] Phenanthridine Alkaloids by Metal-catalysed Cyclization or C–H Bond Activation Reaction as a Key Step’ (Project code: 30911058; PI: Dr M. Jeganmohan). **Qualifications:** M.Sc. Organic Chemistry/General Chemistry.

For detailed advertisement and prescribed application form, please visit www.iiserpune.ac.in. The last date for receipt of completed applications is **26 September 2011**.

Registrar