



# Training on Satellite Altimetry Applications: Emphasis to SARAL AltiKa

## SARAL-AltiKa

The Satellite with ARGOS and AltiKa (SARAL) is a joint Indo-French satellite mission for Oceanographic, Hydrologic and Cryospheric studies. It was launched into a polar sun synchronous orbit (781 km) by the PSLV-C20 rocket from Sriharikota on 25 February 2013. The prime payload AltiKa is a space-borne altimeter. It carries an ARGOS data collection system also. The Ka band (35.75 GHz) altimeter, AltiKa, built by the French National Space Agency, CNES is intended for altimetric measurements over global water bodies. It determines the water/sea level by bouncing a radar signal off the surface and measuring the return trip time. It is the first altimeter to operate in such a high frequency and provides better resolution. ARGOS data collection system contributes to the development and operational implementation of the global ARGOS data collection system.

SARAL provides basic oceanographic information of sea surface height, wind speed and significant wave height. The central objectives of SARAL/AltiKa mission is to provide high spatial and temporal resolution data products to oceanographic research community for ocean meso-scale variability studies and data assimilation in global ocean model for ocean state forecasting. In the global context, AltiKa mission is a part of Ocean Surface Topography Mission constellation and was a gap filler between ENVISAT and Senstinel-3. SARAL AltiKa data can be accessed from Meteorological & Oceanographic Satellite Data Archival Centre [<http://mosdac.gov.in>].

## Training on Satellite Altimetry Applications

Satellite Meteorology and Oceanography Research and Training (SMART) programme of Space Applications Centre, Ahmedabad is organising a training programme on 'Satellite Altimetry Applications: Emphasis to SARAL AltiKa'. This training programme aims to generate awareness about SARAL AltiKa mission among students, researchers and faculty members. This training programme will cover data processing aspects, geophysical parameter retrieval and potential scientific applications of SARAL AltiKa data.

## Details of the Training Programme

Course Date	4-8 September 2017
No. of participants	20
Target Group	Students, JRFs, Post-docs, early career researchers, faculties, etc., affiliated to recognised Universities and research institutions working in Atmospheric science, Oceanography and related fields.
Pre-requisite	Working knowledge of Linux, shell scripting, Fortran/C/C++ and GrADS.
Desirable experience	Ferret and BRAT softwares
Last date to apply	Filled-in application must reach on or before 28 July 2017.

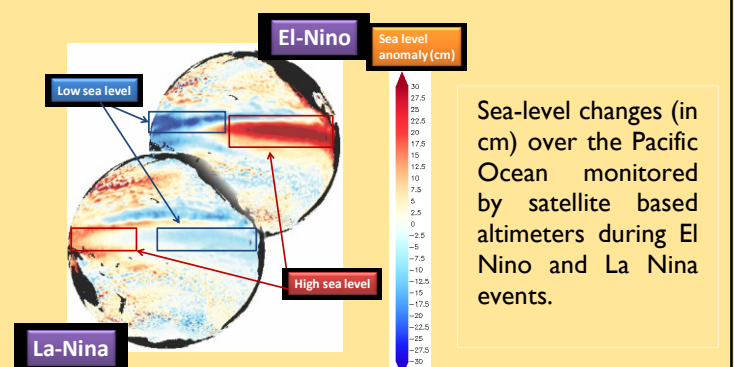
Training programme consists of forenoon lectures by eminent scientists working in ISRO's SARAL AltiKa project followed by hands-on with SARAL AltiKa data in the afternoon. Participants will be provided subsidised paid accommodation at SAC guest house on twin sharing basis. No fee will be charged for attending the training. No TA/DA will be provided for attending the training. Participation certificates will be provided after the completion of training.

*Interested may send the filled-in application form to:*

Dr. V. Sathiyamoorthy  
Head, MRTD/MRG  
Space Applications Centre (ISRO)  
Bopal, Ahmedabad - 380058  
Phone: 079-26916112 Fax: 079-26916127  
Email: [sathya@sac.isro.gov.in](mailto:sathya@sac.isro.gov.in)

For further details please visit our website  
<http://mosdac.gov.in/smart>

### Sea level changes during El Nino and La Nina events



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Space Applications Centre, Ahmedabad  
Application for *SMART* Training Programme

**Satellite Altimetry Applications: Emphasis to SARAL AltiKa**

STP-04/2017

*(Please type or write in CAPITAL Letters)*

Name Dr./Mr./Ms/.....

Date of Birth (DD/MM/YYYY) .....

Gender (Male/Female) .....

Correspondence Address .....

*Pin code* .....

*Email* .....

*Phone* .....

Designation .....

Educational Qualification .....

*(include percentage of marks and specialization)* .....

Do you have working knowledge of Linux, shell scripting, Fortran/C/C++ and Grads Yes / No

How this training programme will be useful to your studies/research work .....

Signature of the applicant with date .....

Recommendation from Head of the Department or Institution with seal .....

*Last date to receive the completed application is 28 July 2017*