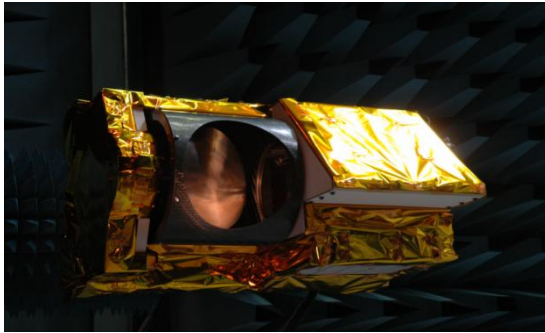


XCAL meeting May 23 and 24th

CNES team





SAPHIR



SCARAB



GPS-ROSA



MARFEQ/MADRAS

Cooperation between ISRO and CNES

- Bus : IRS from ISRO**
Payload : 4 payloads
- **MADRAS (CNES/ISRO)**
 - **SAPHIR (CNES)**
 - **SCARAB (CNES)**
 - **GPS-ROSA (ISRO)**

Mass : 1 ton

Power : 694 Watts

Life time : 3 years

MEGHA-TROPIQUES satellite was launched Octobre 12th 2011 at 11Hours local time by indian PSLV launcher from SRIHARIKOTA in INDIA

**Orbit :
Altitude 865,5Km
Inclination : 20°**

Yaw flip performed when orbital plane is crossing the equator

