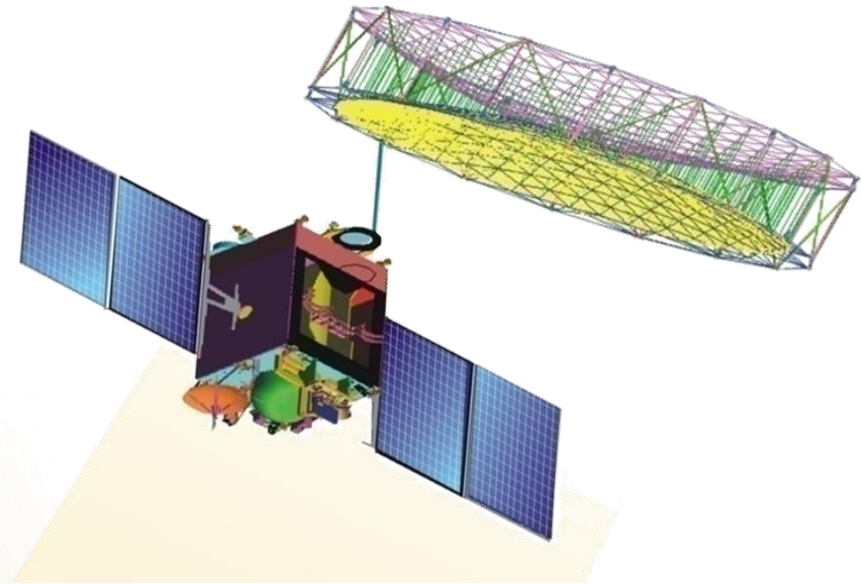
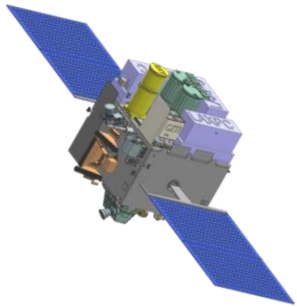


Challenges & Plans of ISAC 2015 & Beyond



July 20, 2015

ISRO SATELLITE CENTRE, BENGALURU

PRESENTATION HIGHLIGHTS

PROGRAMME OUTLAY - 12th FIVE YEAR PLAN

GROWTH PROFILE - PERFORMANCE OVER TWO DECADES

REVISED PROGRAMME PROFILE 2015-2017

SUB SYSTEM WORK LOAD

ONGOING PROJECT ACTIVITIES

FACILITY AUGMENTATION PLAN

SUMMARY & CONCLUSION

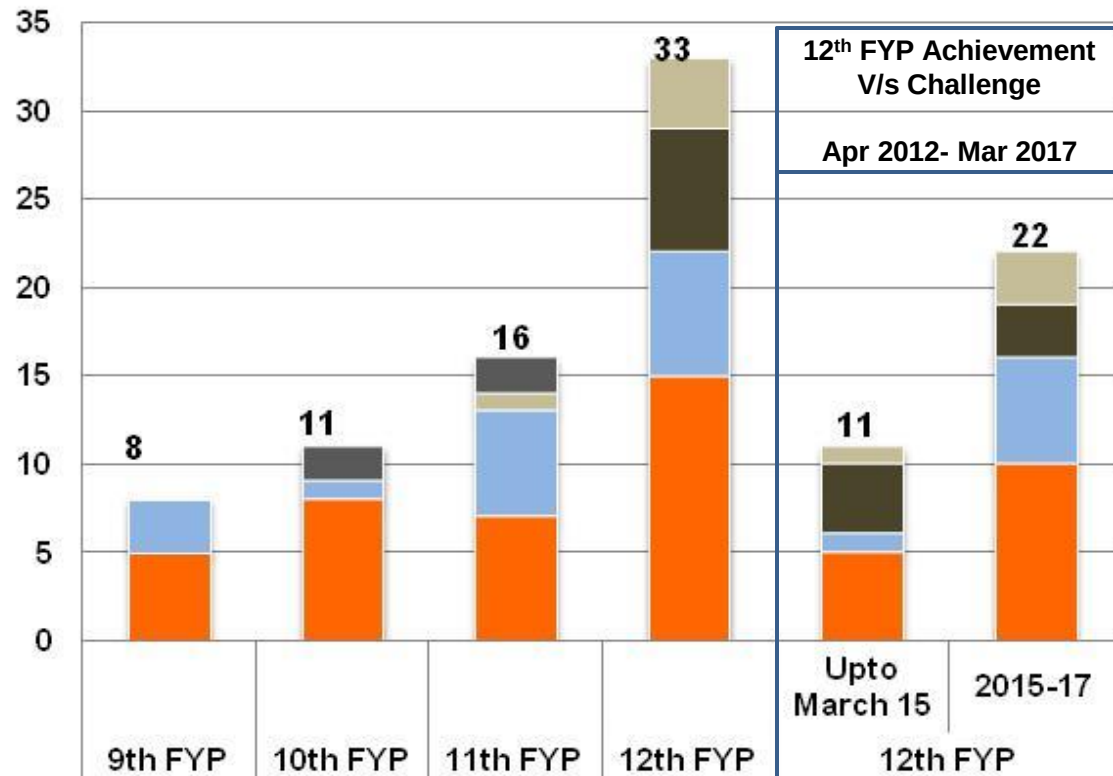
12TH FYP PROGRAMME PROFILE (2012 – 2017)

Total Missions : **58** (Satellites: **33** Launch vehicles: **25**)

MISSIONS	2012-13	2013-14	2014-15	2015-16	2016-17	2017- 18
EARTH OBSERVATION SATELLITES	SARAL 		CARTO-2C 	RESOR-2A  CARTO-2D 	OCEAN-3  CARTO-3  GISAT 	RISAT-1A  SCATSAT-1 
COMMUNICATION & NAVIGATION SATELLITES	IRNSS-1  GSAT-14  INSAT-3D  GSAT-10 	IRNSS-2 IRNSS-3  GSAT-6  GSAT-7  GSAT-15 	IRNSS-4 IRNSS-5 IRNSS-6  GSAT-16  GSAT-11 	IRNSS-7  GSAT-9  GSAT-17  GSAT-18 	GSAT-6A  GSAT- 19E  GSAT-11S  GSAT-Ka 	GSAT-7A  INSAT-3DR  GSAT- 20  GSAT-21(P) (satellite procured) 
Procured Launch Service						
SPACE SCIENCE & PLANETARY EXPLORATION SATELLITES		ASTROSAT  MARS 	CHANDRAYAAN-2 		ADITYA 	MARS-2 
INDIAN LAUNCH VEHICLES	C20 C21 C22 D5 X1 Exp  PSLV  GSLV  GSLV-MkIII	C23 C24 C25 C26 D6                         				

PERFORMANCE OVER TWO DECADES

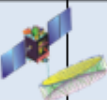
Growth Profile: 9th to 12th FYP



	9th FYP	10th FYP	11th FYP	12th FYP	Upto March 15	2015-17
Small Satellites		2	2			0
Space Science			1	4	1	3
Navigation Programme				7	4	3
EOS	3	1	6	7	1	6
Communication	5	8	7	15	5	10

Capacity enhancement from 5 s/c per year to Average of 10 S/c realization per year

SPACECRAFT PROGRAMME PROFILE 2015-2017 (24)

	2015-16 (10 Satellites)												2016-17 (14 Satellites)											
	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR
GEOSAT PROGRAMME			 GSAT-6 GSLV		 GSAT-15 PROCURED						 GSAT-9 GSLV	 INSAT-3DR GSLV			 GSAT-7A GSLV			 GSAT-19E GSLV MK-III D1		 GSAT-19E GSLV MK-III D1		 GSAT-17 PROCURED	 INSAT-3DS GSLV	
IRS & SSS PROGRAMME			 ASTROSAT PSLV										 CARTO-2C PSLV		 RESOURCESAT-2A PSLV				 EMISAT PSLV	 CARTO-2D PSLV	 MICROSAT	 CHANDRA-2 GSLV		
NAVIGATION PROG.			 IRNSS-1E PSLV				 IRNSS-1F PSLV				 IRNSS-1G PSLV					 IRNSS-1H PSLV						 IRNSS-1I PSLV		

* All dates indicated above are spacecraft readiness schedules

08th June 2015

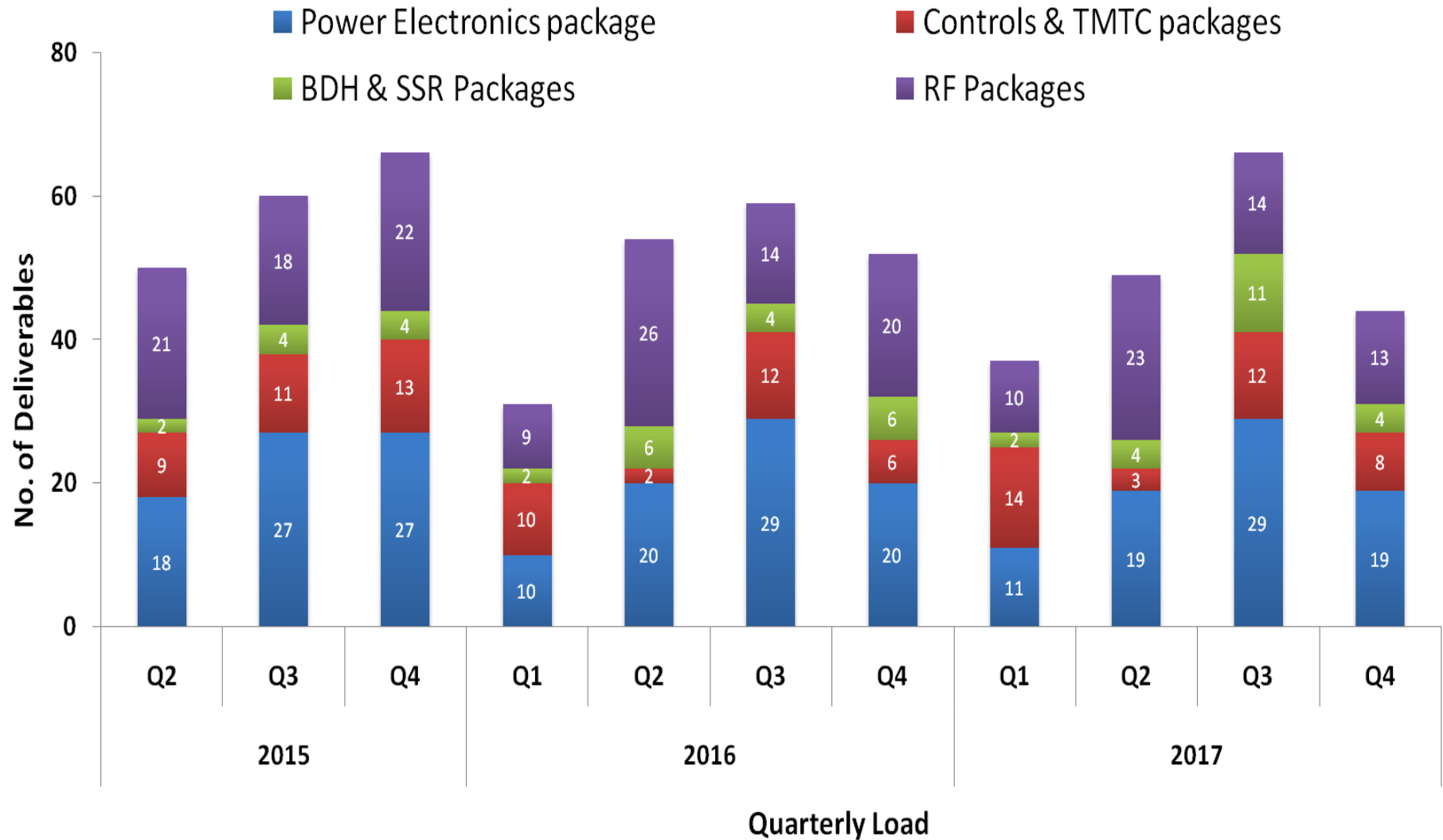
Geosat & IRNSS – Major Subsystem Milestones																	
Sl No.	Milestone / Project Dir.	GSAT-6	IRN-1E	GSAT-15	IRN-1F	GSAT-9	INSAT-3DR	IRN-1G	GSAT-18	GSAT-7A	INSAT-3DS	IRN-1H	GSAT-11	GSAT-19E	GSAT-17	IRN-1I	GSAT-6A
1	Structure delivery	Delivered	Delivered	Delivered	Delivered	Delivered	May-15	Delivered	May-15	Aug-15	Nov-15	Jan-16	Available	Jan-16	Aug-15	Jul-16	May-17
2	Delivery of Propulsion elements	Delivered	Delivered	Delivered	Delivered	Jul-15	Jul-15	Jul-15	Jun-15	Jul-15	Jan-16	Jan-16	Aug-15	Mar-16	Aug-15	Jul-16	May-17
3	Delivery of Power Electronics	Delivered	Delivered	Delivered	Delivered	Raedy	Jun-15	Jul-15	Avail	Avail	Dec-15	Feb-16	Sep-15	Mar-16	Aug-15	Jul-16	Jun-17
4	Delivery of Batteries	Delivered	Delivered	Delivered	Delivered	Jun-15	Jun-15	Jun-15	Avail	Avail	Dec-15	Feb-16	Jan-16	Aug-16	Mar-16	Jun-16	Jun-17
5	Delivery of Sensor Elements	Delivered	Delivered	Delivered	May-15	Avail	May-15	Jun-15	Avail	Jun-15	Nov-15	Jan-16	Aug-15	Mar-16	Aug-15	Jun-16	May-17
6	Delivery of Actuators	Delivered	Delivered	Delivered	May-15	Jul-15	Jul-15	Jun-15	Jun-15	Jun-15	Jan-16	Jan-16	Aug-15	Mar-16	Aug-15	Jun-16	May-17
7	Hardware-In Loop Simulation(HILS)	Delivered	Delivered	Delivered	Jun-15	Jun-15	Sep-15	Jul-15	May-15	Jun-15	Mar-16	Feb-16	Sep-15	Jun-16	Sep-15	Jul-16	Jun-17
8	Delivery of OBC / AOCE / TM-TC / MT	Delivered	Delivered	Delivered	Jun-15	Avail	Aug-15	Jul-15	Apr-15	May-15	Feb-16	Feb-16	Aug-15	Mar-16	Sep-15	Jul-16	Jun-17
9	Delivery of RF System	Delivered	Delivered	Delivered	Jun-15	Jun-15	Oct-15	Jul-15	Aug-15	Oct-15	Apr-16	Feb-16	Sep-15	Jun-16	Jun-16	Jul-16	Jun-17
10	Delivery of Payload	Delivered	Delivered	Delivered	Jun-15	May-15	Jul-15	Jul-15	Jun-15	Oct-15	Jan-16	Mar-16	Dec-15	Jun-16	Apr-16	Jul-16	Aug-17
11	Bus Integration	Completed	in prog	Delivered	Jul-15	Jul-15	Aug-15	Jul-15	Jul-15	Nov-15	Feb-16	Mar-16	Jun-15	May-16	Aug-15	Jul-16	Aug-17
12	Dis-assembled mode IST	Completed	Completed	Completed	Jul-15	Jul-15	Sep-15	Sep-15	Jul-15	Dec-15	Mar-16	Apr-16	Nov-15	Jul-16	Aug-16	Sep-16	Sep-17
13	Assembled mode	Completed	May-15	Jun-15	Aug-15	Aug-15	Oct-15	Oct-15	Aug-15	Jan-16	Apr-16	May-16	Feb-16	Aug-16	Sep-16	Oct-16	Oct-17
15	Spacecraft Thermovac	Completed	Jun-15	Jul-15	Sep-15	Sep-15	Nov-15	Nov-15	Nov-15	Feb-16	May-16	Jun-16	Mar-16		Oct-16	Nov-16	Nov-17
16	Appendages Integ. & Deployment	Apr-15	Jun-15	Aug-15	Oct-15	Oct-15	Dec-15	Dec-15	Dec-15	Feb-16	Jun-16	Jul-16	May-16	Oct-16	Nov-16	Dec-16	Dec-17
17	Physical Parameter Measurement	May-15	Jun-15	Sep-15	Oct-15	Oct-15	Dec-15	Dec-15	Dec-15	Mar-16	Jun-16	Jul-16	Jun-16	Oct-16	Nov-16	Dec-16	Dec-17
18	Vibration	May-15	Jun-15	Sep-15	Oct-15	Nov-15	Jan-16	Dec-15	Jan-16	Mar-16	Jul-16	Jul-16	Jun-16	Nov-16	Nov-16	Dec-16	Dec-17
19	Acoustics Test	May-15	Jun-15	Sep-15	Dec-15	Nov-15	Jan-16	Jan-16	Jan-16	Mar-16	Jul-16	Jul-16	Jun-16	Nov-16	Nov-16	Jan-17	Dec-17
20	CATF Test	May-15	Jun-15	Sep-15	Oct-15	Nov-15	Jan-16	Jan-16	Feb-16	Mar-16	Jul-16	Jul-16	Jul-16	Dec-16	Nov-16	Jan-17	Dec-17
21	Pre-Shipment Review (PSR)	May-15	Jun-15	Sep-15	Oct-15	Dec-15	Jan-16	Jan-16	Mar-16	Mar-16	Jul-16	Jul-16	Jul-16	Dec-16	Dec-16	Jan-17	Dec-17

IRS & SSS PROJECTS – MAJOR SUBSYSTEM MILESTONES

SI No.	Milestone / Project Dir.	Astrosat	Scatsat-1	Carto-2C	Resource-2A	SPADEX Target	SPADEX Chaser	EMISAT	Carto-2D	CHYN-2 Orbiter	CHYN-2 Lander	CHYN-2 Rover	Microsat	Carto-2E
1	Baseline Configuration finalisation	- NA -	Completed	-NA-	- NA -	May-15	May-15	-NA-	-NA-	Completed	Completed	Completed	Completed	-NA-
2	Baseline Design Review (BDR)	- NA -	- NA -	-NA-	- NA -	Jul-15	Jul-15	-NA-	-NA-	Completed	Completed	Completed	Completed	-NA-
3	Preliminary Design Review (PDR)	Completed	Completed	Completed	- NA -	Aug-15	Aug-15	Completed	-NA-	Apr-15	Apr-15	Apr-15	Jun-15	-NA-
4	Structure delivery	Delivered	Apr-15	Delivered	Delivered	Oct-15	Sep-15	May-15	Delivered	Apr-15	Jan-16	May-15	Nov-15	Jul-16
5	Propulsion elements Integration	Completed	May-15	Apr-15	Apr-15	Nov-15	Dec-15	Jun-15	Oct-15	Jul-15	May-16	--	Dec-15	Aug-16
6	Delivery of Power System	Delivered	Mar-15	Delivered	Delivered	Dec-15	Dec-15	Sep-15	Delivered	Apr-15	May-16	Jun-15	Dec-15	Aug-16
7	Delivery of Sensor Elements	Delivered	May-15	Delivered	Partially Delivered	Aug-15	Aug-15	Dec-15	Nov-15	Dec-15	Apr-16	Jun-15	Feb-16	Oct-16
8	Delivery of Actuators	Delivered	May-15	Delivered	May-15	Aug-15	Aug-15	Dec-15	Nov-15	Jan-16	Apr-16	May-15	Feb-16	Oct-16
9	Hardware-In Loop Simulation(HILS)	Completed	Jun-15	Apr-15	Jun-15	Aug-15	Aug-15	Jan-16	Dec-15	Jan-16	May-16	Oct-15 (mobility)	Feb-16	Oct-16
10	PROM fusing	Completed	Jun-15	Apr-15	Jul-15	Dec-15	Dec-15	Jan-16	Jan-16	Jan-16	May-16	--	Mar-16	Nov-16
11	Delivery of OBC / AOCE / TM-TC / MT	Delivered	Jul-15	May-15	May-15	Jan-16	Jan-16	Dec-15	Jan-16	Feb-16	Jun-16	Nov-15	Apr-16	Nov-16
12	Start of Electrical Integration	Inprogress	Jun-15	May-15	Inprogress	Jan-16	Jan-16	Feb-16	Feb-16	Feb-16	Jun-16	Oct-15	May-16	Dec-16
13	Delivery of RF System	Apr-15 (PAA)	Apr-15	Aug-15	Aug-15	Jan-16	Jan-16	Dec-15	Jul-16	Feb-16	Jul-16	Oct-15	Jun-16	Feb-17
14	Delivery of BDH & SSR	Mar-15 (SSR)	Apr-15	Sep-15	Jun-15	Mar-16	Mar-16	Dec-15	Jul-16	Jan-16	Jul-16	Nov-15	Jul-16	Mar-17
15	Delivery of Payload	Mar-15 (CPU)	Aug-15	Oct-15	Jan-16	Apr-16	Apr-16	May-16	Aug-16	Mar-16	Sep-16	Sep-15	Jan-17	Jul-17
16	Start of Dis-assembled mode IST	Oct-14	Jul-15	Jul-15	Aug-15	Mar-16	Mar-16	Apr-16	Sep-16	Feb-16	Oct-16	Nov-15	Feb-17	Jul-17
17	Start of Assembled mode	Mar-15 (CPU)	Aug-15	Dec-15	Feb-16	May-16	May-16	Aug-16	Oct-16	Mar-16	Nov-16	Nov-15	Mar-17	Aug-17
18	Critical Design Review(CDR)	Apr-15	Jun-15	Sep-15	Oct-15	Jun-16	Jun-16	Jul-16	Oct-16	Mar-16	Dec-16	Jan-16	Apr-17	Aug-17
19	Pre Thermovac Review	May-15	Aug-15	Jan-16	Mar-16	Aug-16	Aug-16	Aug-16	Nov-16	Apr-16	Jan-17	Jan-17	May-17	Sep-17
20	Spacecraft Thermovac	May-15	Sep-15	Feb-16	Apr-16	Aug-16	Aug-16	Aug-16	Nov-16	Apr-16	Jan-17	Jan-17	May-17	Sep-17
21	Appendages Integration & Deployment	Jun-15	Sep-15	Feb-16	Apr-16	Sep-16	Sep-16	Aug-16	Dec-16	May-16	Apr-17	Apr-17	Jun-17	Oct-17
22	Physical Parameter Measurement	Jun-15	Sep-15	Feb-16	Apr-16	Sep-16	Sep-16	Sep-16	Jan-17	May-16	Apr-17	Apr-17	Jul-17	Oct-17
23	EMI / EMC Test	Jun-15	Sep-15	Feb-16	May-16	-NA-	-NA-	Sep-16	Jan-17	Apr-17	Apr-17	Apr-17	Jul-17	Oct-17
24	Vibration	Jul-15	Oct-15	Mar-16	May-16	Oct-16	Oct-16	Sep-16	Feb-17	Apr-17	Apr-17	Apr-17	Jul-17	Oct-17
25	Acoustics Test	Jul-15	Nov-15	Mar-16	May-16	Oct-16	Oct-16	Oct-16	Feb-17	Apr-17	Apr-17	Apr-17	-NA-	Nov-17
26	Post Dynamic Tests	Jul-15	Nov-15	Mar-16	Jun-16	Oct-16	Oct-16	Oct-16	Mar-17	Apr-17	Apr-17	Apr-17	Aug-17	Nov-17
27	Pre-Shipment Review (PSR)	Aug-15	Nov-15	Mar-16	Jun-16	Oct-16	Oct-16	Oct-16	Mar-17	Apr-17	Apr-17	Apr-17	Aug-17	Nov-17
28	Mission Readiness Review (MRR)	Sep-15	Nov-15	Mar-16	Jun-16	Oct-16	Oct-16	Oct-16	Mar-17	May-17	May-17	May-17	Aug-17	Nov-17
29	Launch Readiness	Sep-15	Dec-15	Apr-16	Jul-16	Nov-16	Nov-16	Nov-16	Apr-17	Jun-17	Jun-17	Jun-17	Sep-17	Dec-17

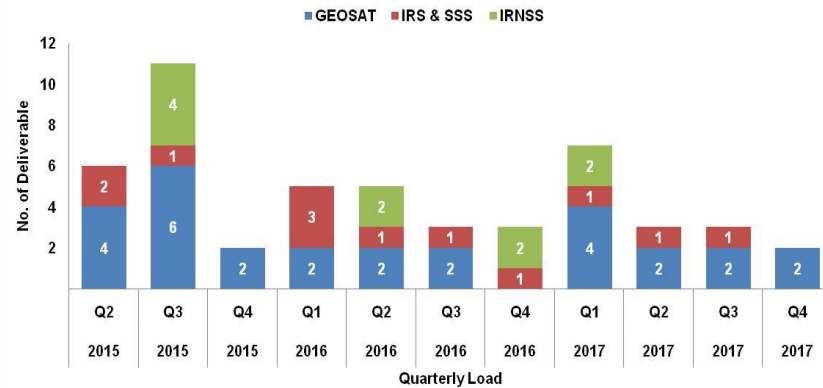
ELECTRICAL SUBSYSTEMS – PRODUCTION LOAD

Electrical Systems- Production Load

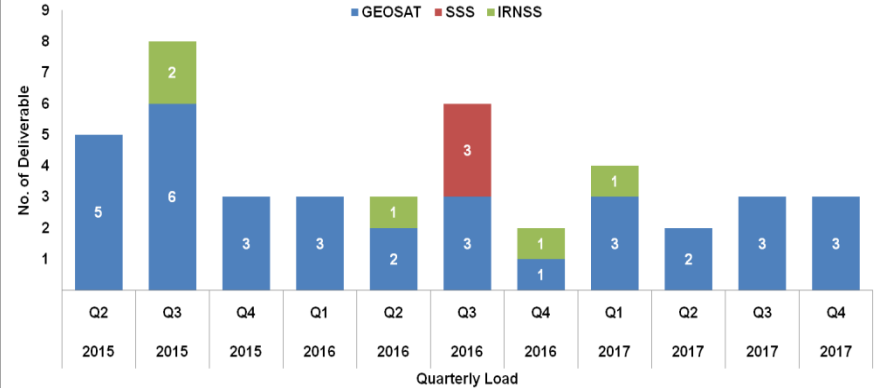


SUBSYSTEMS – PROPULSION SYSTEMS ESTIMATED LOAD

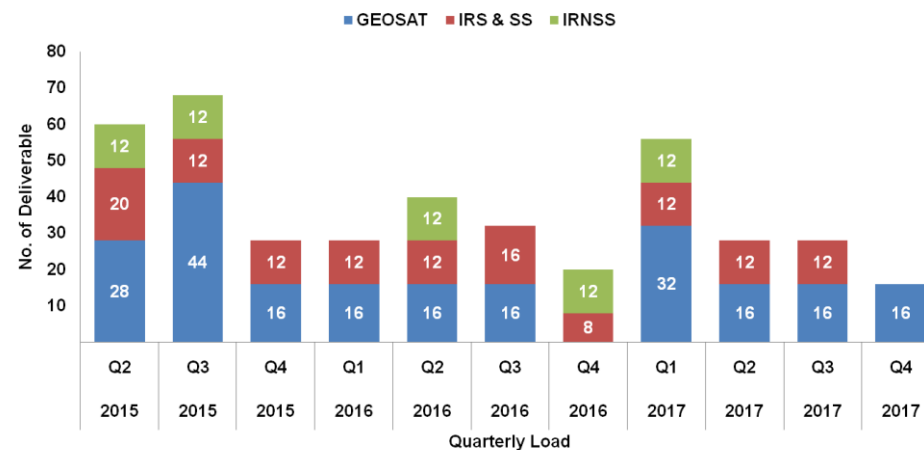
PROGRAMMEWISE PROPELLANT TANKS- REQUIREMENT SUMMARY



PROGRAMMEWISE PRESSURANT TANKS- REQUIREMENT SUMMARY

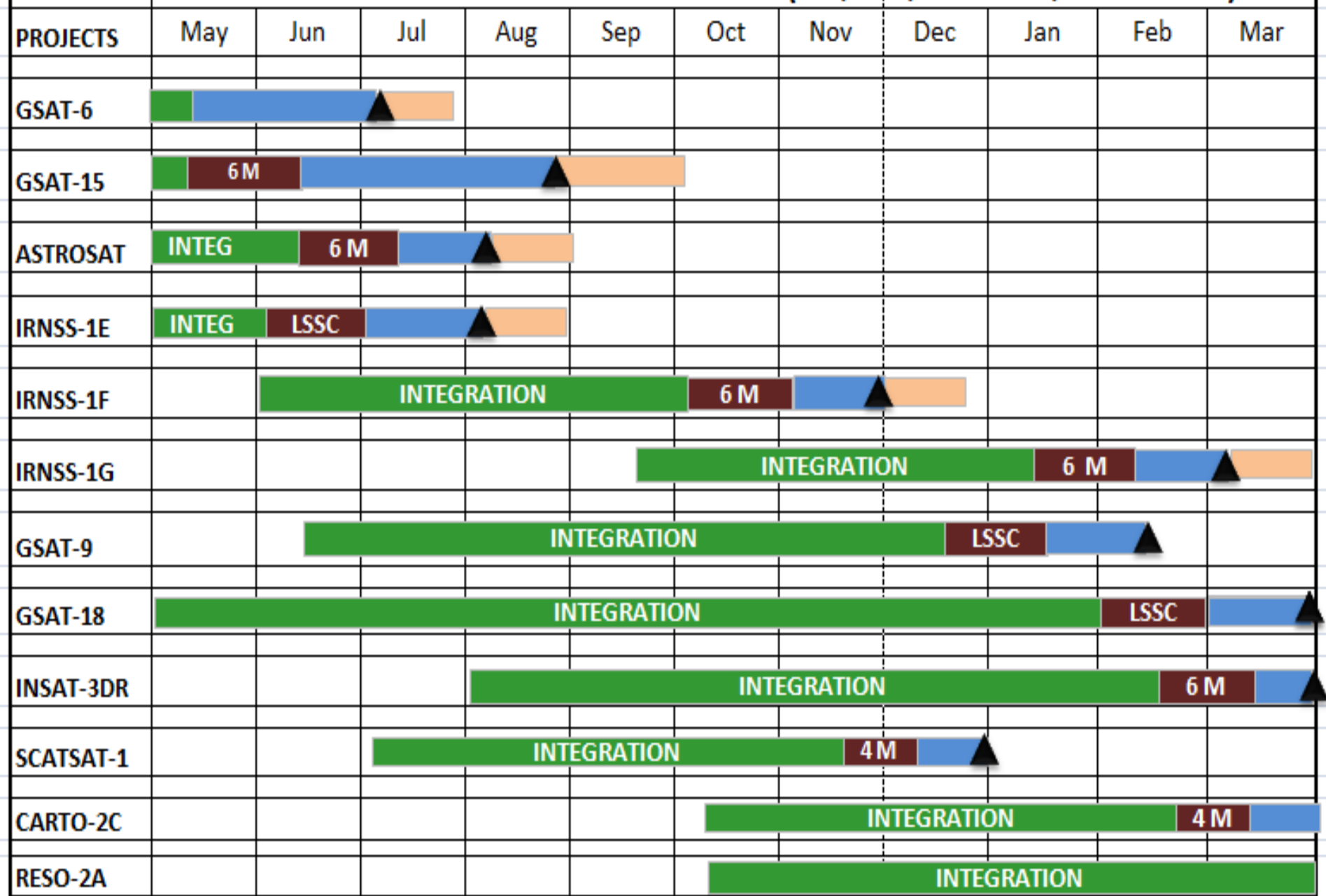


PROGRAMMEWISE THRUSTERS- REQUIREMENT SUMMARY



1. LPSC is in the process of augmenting facilities and other resources to meet the increased load.
2. Presently, thrusters and other propulsion elements are outsourced to industry.
3. Propulsion tanks production through external vendors is planned. Long term contracts have to be established for meeting the requirements.

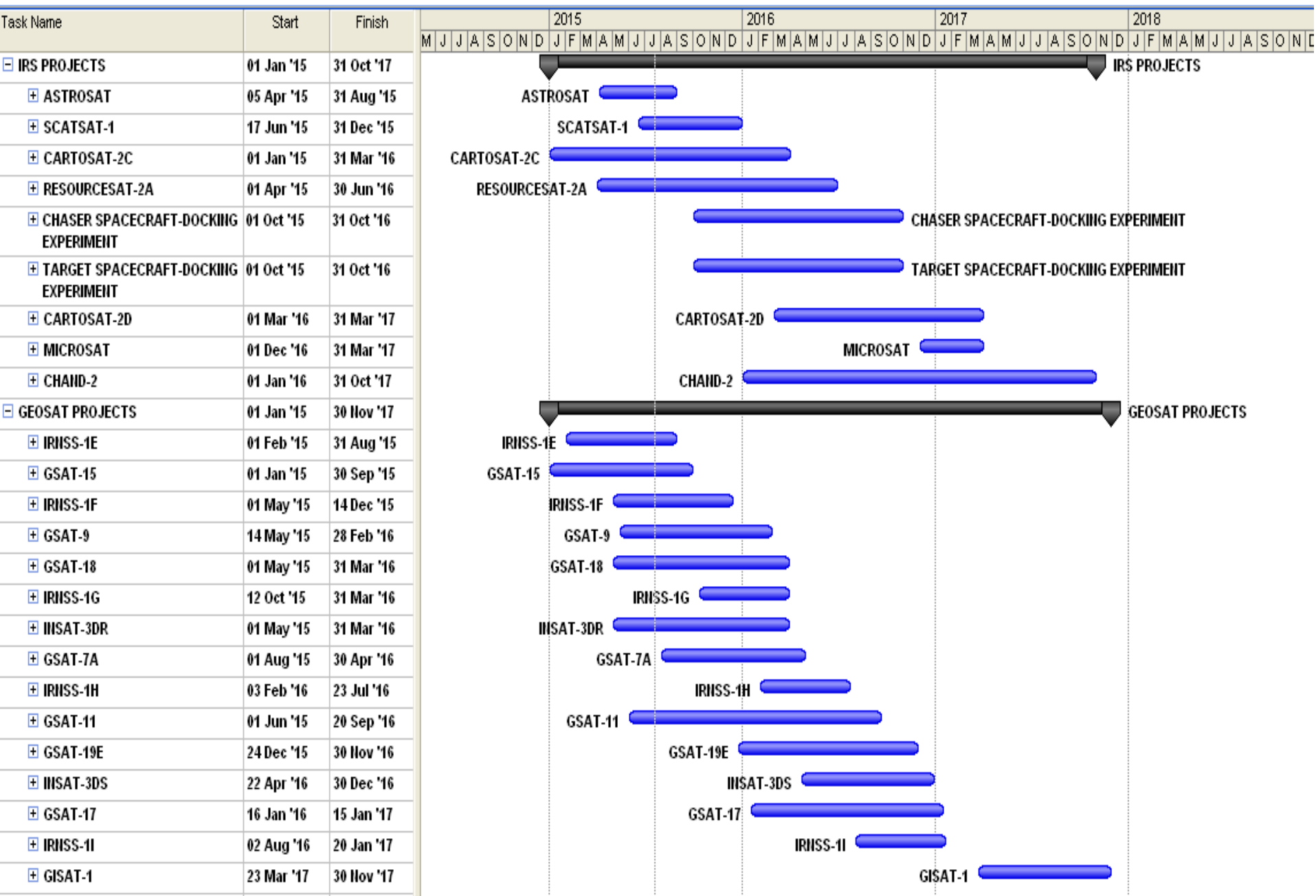
2015-16 FACILITY MANAGEMENT PLAN (AIT, TVC, POST TVC,PRELAUNCH)



Legends

Integration	Thermovac	Post Thermovac	S/C Readiness	Prelaunch
-------------	-----------	----------------	---------------	-----------

SPACECRAFT INTEGRATION PLAN – CLEAN ROOM



FACILITY AUGMENTATION PLAN

1. AIT facility plan

- Space Park clean room at ISITE
- Conversion of the existing Harness lab, ISITE into a clean room to accommodate AIT activities of 3 spacecraft.
- Extension of existing clean room by 90x35m
- Extension of existing clean room at ISAC campus to accommodate the integration activity of large spacecraft

2. Vibration test facility augmentation

- 20 T shaker at ISAC & 29 Ton shaker at ISITE

3. Solar panel fabrication lab and HDI facility at ISITE to be completed

4. Additional Hardware-in-loop Simulation (HILS) facility to be planned

5. Associated test systems, checkout systems & Ground support equipments readiness to be planned.

6. Augmentation of CATF for I-6k bus

7. Realization of MGSE, EGSE including transportation containers for GSAT-11 and beyond

SATELLITE REALISATION PLAN 2015-2017

SAMWAD Neo -Home - SA... x +

wad/index.action



SAMWAD Neo -Home



Software by
Computers & Information Group
ISRO Satellite Centre, Bangalore.



झरोखा

Hindi Portal

ಕನ್ನಡ

Kannada Portal



Group webs

Admin/General
webs

Director's Desk

Knowledge
web

Employees web



Applications



About Samwad

WHAT'S NEW !!!

**Lokpal & Lokayukta Act, 2013 -
Submission of revised annual
declaration of Assets & liabilities in
Hindi version - req.**

Inviting applications for various Group C posts in VSSC - req.

**Inviting application for the post of
Jr.Hindi Translator at SHAR - req.**

**Inviting application for the post of
Light Vehicle Driver at SAC,
Ahmedabad - req.**

[illegible]

   	 
--	--

[illegible]
Phonebook

Noticeboard



Transport Planner



ISAC Mail

 Sandesh

July 2015						
S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

Today is Jul 20, 2015

GSAT-6

Thermal test completed

Wheel mode tests for L2 mode completed

Hassan link established





ISAC LAN Helpdesk

Computing & Information Group
SUNY Buffalo State

ISAC LAN Help Desk

ISAC LAN Help Desk is an online portal designed to enable the simplest logging and resolution process related to SUNY Central Link Internet and Web-based network problems. When you contact, users are routed, system computers, Apple link server, and software to the respective support team. Users will get an email notification on resolving and on the status of their computer.

How to log your network complaint

- Users can register their computers related to ISAC Management Team. No registration is needed for SUNY Link.
- Users can register their computer and Password (used as Password) from the registration form and can register their computer.
- Users can install their computer with details like IP address, location, building, Room, name, and other details in order to get the accurate location of the computer.
- Users can check the computer status by clicking on the computer.
- Users can check the status by clicking on the computer.

[Login](#)

[Forgot Password](#)



[Log out](#)

[My Profile](#)

[My Computer](#)

[My Computer](#)

SUBSYSTEM READY FOR DELIVERY/DELIVERED TO AIT

PRIMARY STRUCTURE		Thermal Elements- Heat Pipes	Propulsion : Tanks	Thrusters	Power Electronics	Battery	Solar Panels	Mechanisms
CARTOSAT-2D		SCATSAT-1	CARTO-2C	CARTO-2C	SCATSAT-1	IRNSS-1F	GSAT-9	IRNSS-1F
CH-2 ORBITER		RES-2A	RES-2A	GSAT-15	IRNSS-1F	GSAT-18	CARTO-2C	GSAT-15
INSAT-3DR		GSAT-15	GSAT-15	IRNSS-1E	GSAT-9	CARTO-2C	RES-2A	ASTROSAT
IRNSS-1G		IRNSS-1E	IRNSS-1E	ASTROSAT	GSAT-7A	GSAT-9	GSAT-15	RES-2A
SCATSAT-1		ASTROSAT	ASTROSAT		CH-2 ORBITER	RES-2A	IRNSS-1E	
GSAT-11		GSAT-18			CARTO-2D	GSAT-15	ASTROSAT	
CARTO-2C		IRNSS-1F			CARTO-2C	IRNSS-1E	IRNSS-1F	
GSAT-9					RES-2A	ASTROSAT		
RES-2A					GSAT-15			
GSAT-15					IRNSS-1E			
IRNSS-1E					ASTROSAT			
ASTROSAT					GSAT-18			
BDH & SSR	TMTC	TTC RF System	OBC / AOCE	Sensor Elements	IISU Elements	Harness	Payload	HILS Completion
ASTROSAT	IRNSS-1F	CARTO-2C	IRNSS-1F	IRNSS-1F	GSAT-18	RES-2A	GSAT-15	GSAT-18
	GSAT-18	GSAT-15	GSAT-9	GSAT-9	GSAT-15	GSAT-15	IRNSS-1E	GSAT-15
	GSAT-7A	IRNSS-1E	GSAT-18	GSAT-18	IRNSS-1E	IRNSS-1E	ASTROSAT	IRNSS-1E
	GSAT-15	ASTROSAT	GSAT-15	GSAT-15	ASTROSAT	ASTROSAT		ASTROSAT
	IRNSS-1E		IRNSS-1E	IRNSS-1E	RES-2A			
	ASTROSAT		ASTROSAT	ASTROSAT				

SUBSYSTEM FABRICATION PHASE

PRIMARY STRUCTURE	Spacecraft Harness	Heat Pipes	Power Electronics	Battery	Mechanisms	Solar Panels	Sensor Elements	OBC / AOCE	TMTC	BDH & SSR	TTC RF System
GSAT-18	SCATSAT-1	IRNSS-1G	GSAT-9	SCATSAT-1	RES-2A	IRNSS-1G	SCATSAT-1	SCATSAT-1	IRNSS-1H	SCATSAT-1	GSAT-9
GSAT-7A	CARTO-2C	GSAT-11	GSAT-11	GSAT-7A	GSAT-18	GSAT-18	INSAT-3DR	INSAT-3DR	GSAT-11	CARTO-2C	RES-2A
INSAT-3DS	INSAT-3DR	GSAT-17	GSAT-17	IRNSS-1H	GSAT-7A	GSAT-11	IRNSS-1G	IRNSS-1H	GSAT-17	RES-2A	GSAT-11
	GSAT-11		CH-2 Rover	GSAT-11	GSAT-11		GSAT-11	GSAT-11	CH-2 Orbiter	CARTO-2D	IRNSS-1F
	GSAT-17		SCATSAT-1	IRNSS-1I			INSAT-3DS	GSAT-17			GSAT-7A
			IRNSS-1H	GSAT-17				CH-2 Orbiter			IRNSS-1G
								GSAT-7A			GSAT-17
								CARTO-2D			CARTO-2C

ASSEMBLY, TEST & EVALUATION PHASE

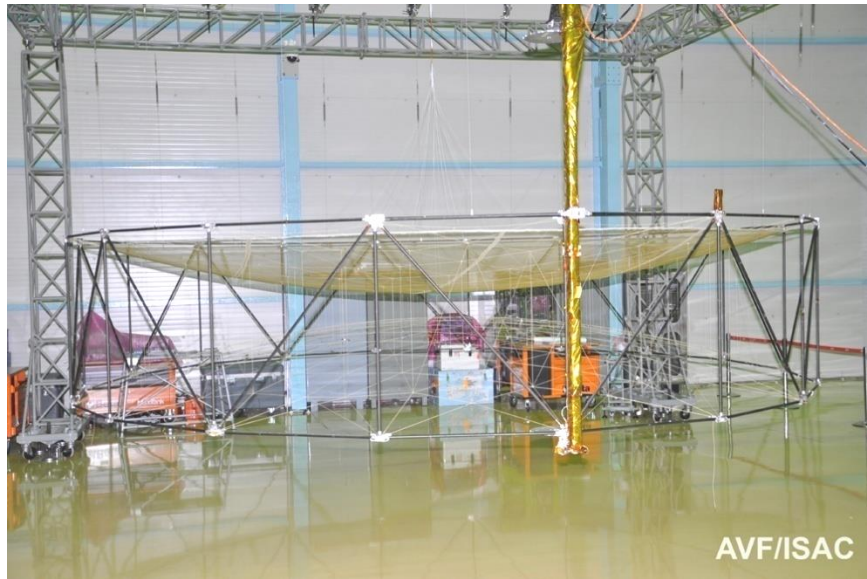
HILS	Power Electronics	Battery	Mechanisms	Sensor Elements	OBC / AOCE	TMTC	BDH & SSR	TTC RF System
CARTO-2C	HYSIS	INSAT-3DS	CARTO-2C	Res-2A	CARTO-2C	GSAT-9		SCATSAT-1
	CARTO-2E		SCATSAT-1	GSAT-7A	RES-2A	RES-2A		GSAT-18
	IRNSS-1G		IRNSS-1E		IRNSS-1G	GSAT-7A		INSAT-3DR
	CH-2 Orbiter		INSAT-3DR					
	INSAT-3DR		GSAT-9					
			GSAT-17					

AIT Phase

Propulsion Integration	Disassembled Mode IST	Assembled mode IST	Spacecraft Thermovac	Post Thermovac Phase	Dynamic Test	Post Dynamic/ CATF Test	Spacecraft Readiness	Pre-Launch Phase
SCATSAT-1	IRNSS-1F			GSAT-15				GSAT-6
	GSAT-18			IRNSS-1E				
	CARTO-2C			Astrosat				
	RES-2A							

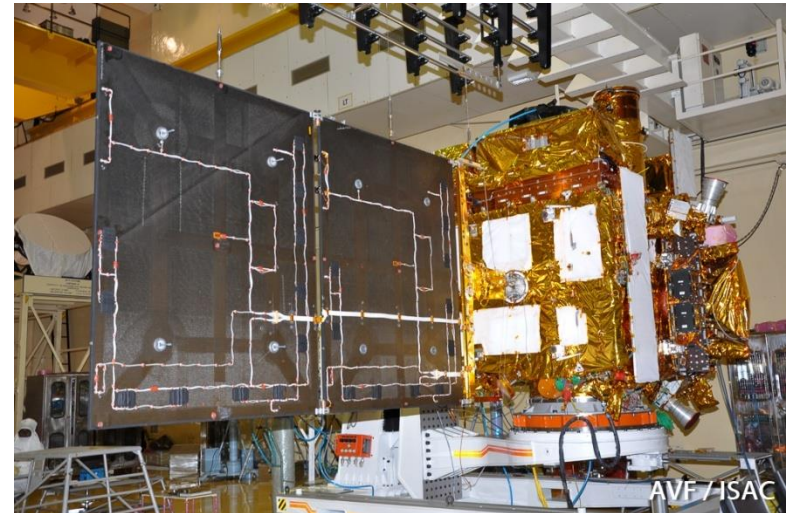
ONGOING PROJECTS @ ISITE CLEANROOM

GSAT-6: GLIMPSE OF ACTIVITIES



ONGOING PROJECTS @ ISAC CLEANROOM

ASTROSAT: POST THERMOVAC ACTIVITIES IN PROGRESS



ONGOING PROJECTS @ ISITE CLEANROOM

IRNSS-1E: POST THERMOVAC ACTIVITIES IN PROGRESS



ONGOING PROJECTS @ ISITE CLEANROOM

GSAT-6: POST THERMOVAC ACTIVITIES IN PROGRESS



ONGOING PROJECTS @ ISITE CLEANROOM

GSAT-15: SPACECRAFT POST THERMOVAC PHASE IN PROGRESS



ONGOING PROJECTS @ ISAC CLEANROOM

CARTOSAT-2C: AIT ACTIVITIES IN PROGRESS



RESOURCESAT-2A: AIT ACTIVITIES IN PROGRESS



SUMMARY & CONCLUSION

- The Centre is geared up to meet increased work load and marching towards realisation of 10-12 satellite
- Detailed Action plan has been worked out at the group level for their deliverables addressing:
 - List of subsystems deliverables
 - Detailed schedule for each project
 - Subsystem realisation plan
 - Critical issues
- Optimal utilisation of resources including manpower & resources are being addressed
- Thrust for Technology Development and End-to-End productionisation
- Paradigm Shift from Project specific planning to Programme level planning
- Commitment towards “zero defect” of spacecraft systems

THANK YOU