

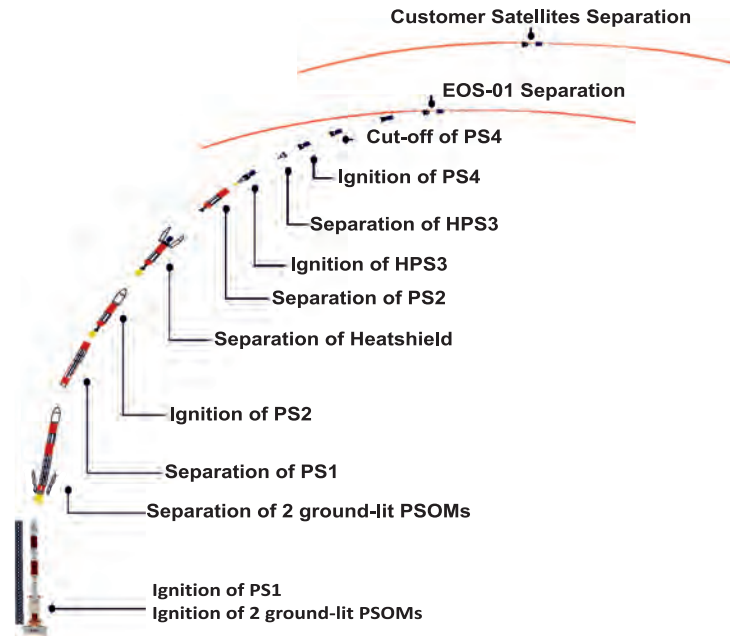


PSLV-C49/EOS-01 MISSION

Indian Space Research Organisation

MISSION DESCRIPTION

- ▶ India's Polar Satellite Launch Vehicle (PSLV), in its 51st mission (PSLV-C49), will launch EOS-01, the primary satellite along with nine customer satellites of Lithuania (1), Luxembourg (4) and USA (4) from the first launch pad of Satish Dhawan Space Centre (SDSC) SHAR, Sriharikota
- ▶ EOS-01 is an earth observation satellite, intended for applications in agriculture, forestry and disaster management support.



PSLV-C49 FLIGHT SEQUENCE

MILESTONES



PSLV-C49

Satellites

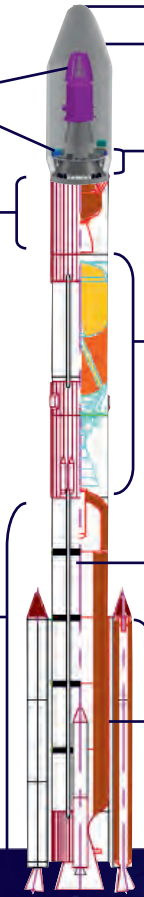
Third Stage

HPS3

Height: 3.6m
Diameter: 2m
Propellant: HTPB
Propellant Mass: 7.65t

First Stage

PS1 + 2 PSOM-XL



Payload Fairing

Fourth Stage

PS4

Height: 2.5m
Diameter: 1.34m
Propellant: MMH & MON₃
Propellant Mass: 1.6t

Second Stage

PS2

Height: 12.8m
Diameter: 2.8m
Propellant: UH25 & N₂O₄
Propellant Mass: 41t

Ps1 - S139

Height: 20m
Diameter: 2.8m
Propellant: HTPB
Propellant Mass: 139t

Strap-ons (2 PSOM-XL)

Height: 12m
Diameter: 1m
Propellant: HTPB
Propellant Mass: 2x12.2t

Height : 44.5 m

INTERNATIONAL CUSTOMER SATELLITES

The customer satellites are being launched under a commercial arrangement with NewSpace India Limited (NSIL), the commercial arm of Indian Space Research Organisation (ISRO)

Satellite Name	No. of Satellites	Country	Mission Objective of the Satellite
R2	1	Lithuania	Technology Demonstration
Kleos [KSM-1A/1B/1C/1D]	4	Luxembourg	Maritime Applications
Lemur [Lemur-1/2/3/4]	4	USA	Multi-mission remote sensing

GLIMPSES





Indian Space Research Organisation

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