

India Now Richer With an Excellent Asset in Space – HysIS: ISRO Chairman Dr K Sivan

Sriharikota (AP), Nov 29 (UNI)



ISRO Chairman Dr K Sivan on Thursday said the workhorse launch vehicle PSLV-C43 once again demonstrated its trustworthiness with the successful launch of 380 kg advanced earth observation Hyper Spectral Imaging Satellite (HysIS) and 30 co-passenger satellites from eight countries in two different orbits. (See: ISRO does it)

Addressing the scientists from the Mission Control Centre after the successful mission, he said 'exactly 15 days after the spectacular GSLV MkIII-D2 /GSAT-29 mission, the Indian scientists today once again showed their excellence'.

The Core Alone PSLV-C43 lifted off at 9:57:30 hrs from the First Launch Pad and injected India's Hyper Spectral Imaging Satellite (HysIS) into the 645 km sun-synchronous polar orbit, 17 minutes and 19 seconds after the lift-off.



Later, 30 foreign satellites from eight countries, including 23 from United States, were injected into their intended orbit after restarting the vehicle's fourth stage engines twice.

The last satellite was injected into its designated orbit 1

hour and 49 minutes after the lift-off.

After separation, the two solar arrays of HysIS were deployed automatically and the ISRO Telemetry Tracking and Command Network at Bengaluru took control of the satellite.

Today's PSLV-C43 launch marked a significant milestone of 250 foreign payloads.

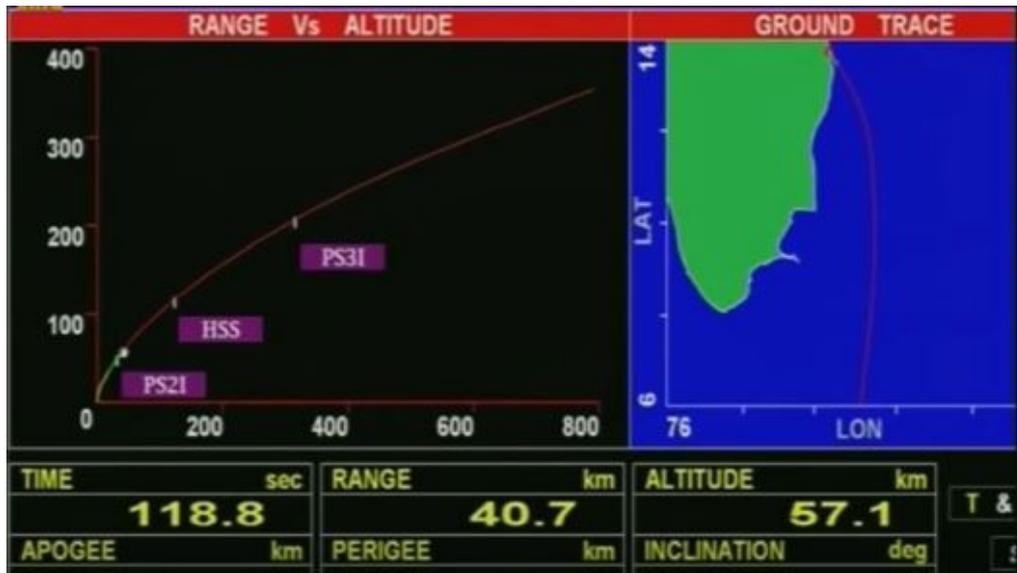
'Today our workhorse launch vehicle PSLV has successfully injected the Hyper Spectral Imaging Satellite HysIS precisely into a 636-km orbit', he said and added that subsequently after two manoeuvres of the the PS4—the fourth stage engine—it injected 30 customer satellites in their designated place.' ❌

Stating that HysIS was a state-of-the-art technology inbuilt satellite, Dr Sivan said the heart of the system required for HysIS basically was a optical imaging detector chip, which was indigenously developed by ISRO's Space Application Centre and at its FAB in Chandigarh.

'For this hi-tech satellite, I am sure that the team ISRO must be proud, as HysIS is a very good and excellent space asset to India', he added.

Congratulating the entire team for the success of today's mission, he said the second part of mission was ISRO's customers. Dr K Sivan in an address lauded the launch and the people behind it, and further informed of the missions coming up under ISRO.

'They way PSLV injected the 30 customer satellites (from eight countries, including 23 from US) at the designated home, our customers are very happy that their babies are delivered safely and precisely', Dr Sivan observed.



Flight Parameters

The way PSLV injected the 30 satellites one by one showed how precisely this mission took place, Dr Sivan said and added that it was because of team ISRO's hard work behind the mission, which as supported by the industries in providing the hardware.

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