

# INSAT-1C Mission

22 July, 1988

## THE MISSION

The Indian National Satellite (INSAT-1C) on-board the Ariane-3 lifted-off from Kourou, French Guiana for location at 93.5° E longitude on July 22, 1988. INSAT-1 series, the first generation of INSAT system comprising of INSAT-1A, INSAT-1B, INSAT-1C and INSAT-1D was a series of Multipurpose Geostationary Satellites.



*Ariane-3*





# INSAT-1C

## THE SATELLITE

INSAT-1C, the third in the INSAT-1 series satellite was launched with the mission objective to bring the INSAT system up to full capacity. Half of the 12 C-band transponders and its two S-band transponders were lost when a power system failure knocked out one of the two buses, but the meteorological Earth images and its data collection systems were both fully operational. It was operational in space till November 1989.

## SPECIFICATIONS

<b>Weight</b>	1190 kg
<b>Power</b>	1000 W
<b>Stabilization</b>	Momentum biased 3-axis stabilization
<b>Type of Satellite</b>	Communication
<b>Payloads</b>	<ul style="list-style-type: none"><li>• 12 C-band Transponders</li><li>• 2 S-band Transponders &amp; VHRR</li></ul>
<b>Mission Life</b>	1.3 Years (Major power supply failure shortened the life of the satellite)

