

PSN SATRIA MISSION

MISSION OVERVIEW

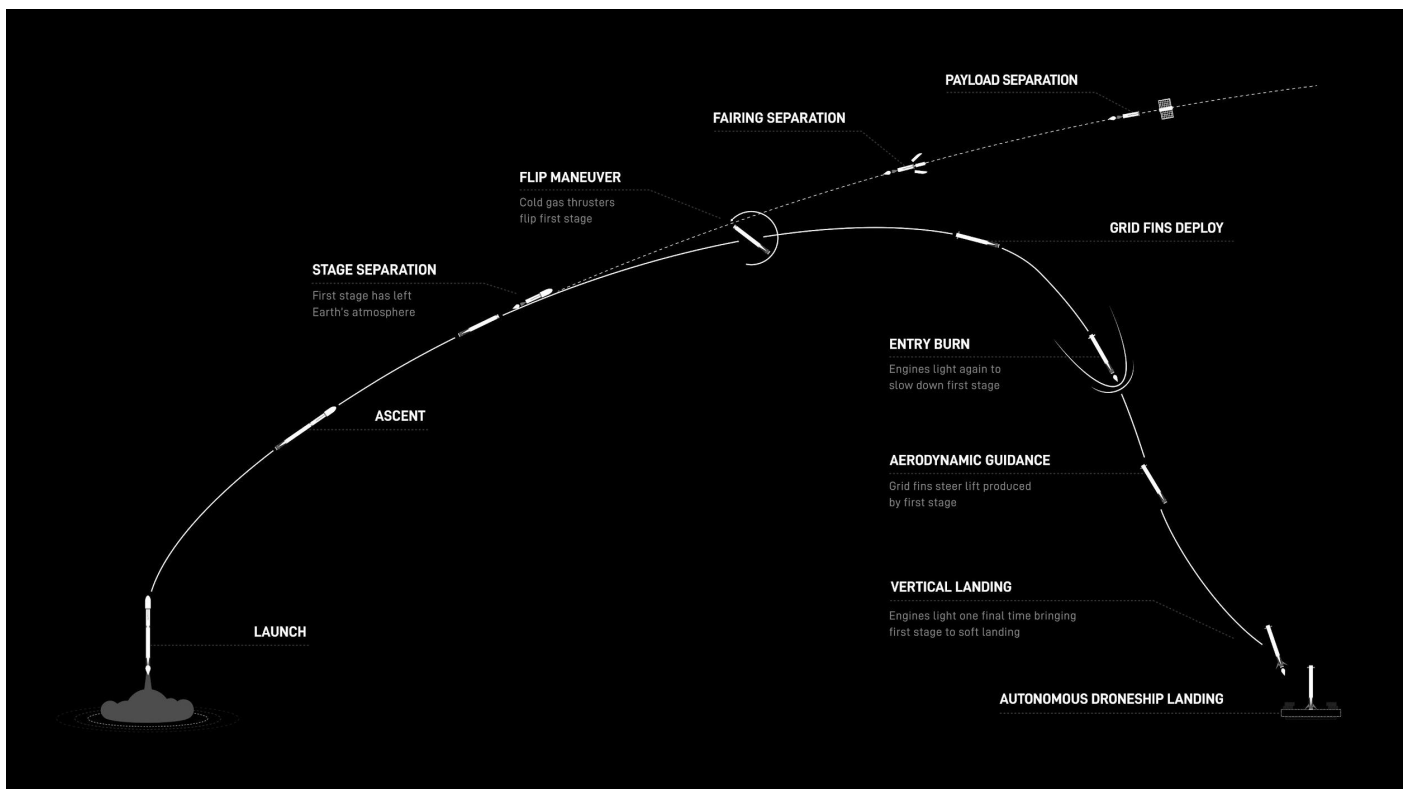
SpaceX is targeting Sunday, June 18 for Falcon 9's launch of the **PSN SATRIA mission** to a geosynchronous transfer orbit from Space Launch Complex 40 (SLC-40) at Cape Canaveral Space Force Station in Florida. The 178-minute launch window opens at 6:04 p.m. ET (22:04 UTC). If needed, a backup opportunity is available Monday, June 19 with a 198-minute launch window opening at 5:54 p.m. ET (21:54 UTC).

The first stage booster supporting this mission previously launched CRS-22, Crew-3, Turksat 5B, Crew-4, CRS-25, Eutelsat HOTBIRD 13G, O3b mPOWER, and four Starlink missions. Following stage separation, the first stage will land on the A Shortfall of Gravitas droneship, which will be stationed in the Atlantic Ocean.

WEBCAST

A live webcast of this mission will begin about 15 minutes prior to liftoff.

MISSION PROFILE



MISSION TIMELINE (ALL TIMES APPROXIMATE)

COUNTDOWN

Hr/Min/Sec	Event
- 00:38:00	SpaceX Launch Director verifies go for propellant load
- 00:35:00	RP-1 (rocket grade kerosene) loading begins
- 00:35:00	1st stage LOX (liquid oxygen) loading begins
- 00:16:00	2nd stage LOX loading begins
- 00:07:00	Falcon 9 begins engine chill prior to launch
- 00:01:00	Command flight computer to begin final prelaunch checks
- 00:01:00	Propellant tank pressurization to flight pressure begins
- 00:00:45	SpaceX Launch Director verifies go for launch
- 00:00:03	Engine controller commands engine ignition sequence to start
- 00:00:00	Falcon 9 liftoff

LAUNCH, LANDING AND DEPLOYMENT

Hr/Min/Sec	Event
00:01:14	Max Q (moment of peak mechanical stress on the rocket)
00:02:33	1st stage main engine cutoff (MECO)
00:02:37	1st and 2nd stages separate
00:02:44	2nd stage engine starts (SES-1)
00:03:30	Fairing deployment
00:06:33	1st stage entry burn starts
00:06:54	1st stage entry burn ends
00:08:10	2nd stage engine cutoff (SECO-1)
00:08:28	1st stage landing burn start
00:08:39	1st stage landing
00:27:40	2nd stage engine starts (SES-2)
00:28:36	2nd stage engine cutoff (SECO-2)
00:36:47	PSN SATRIA deploys