



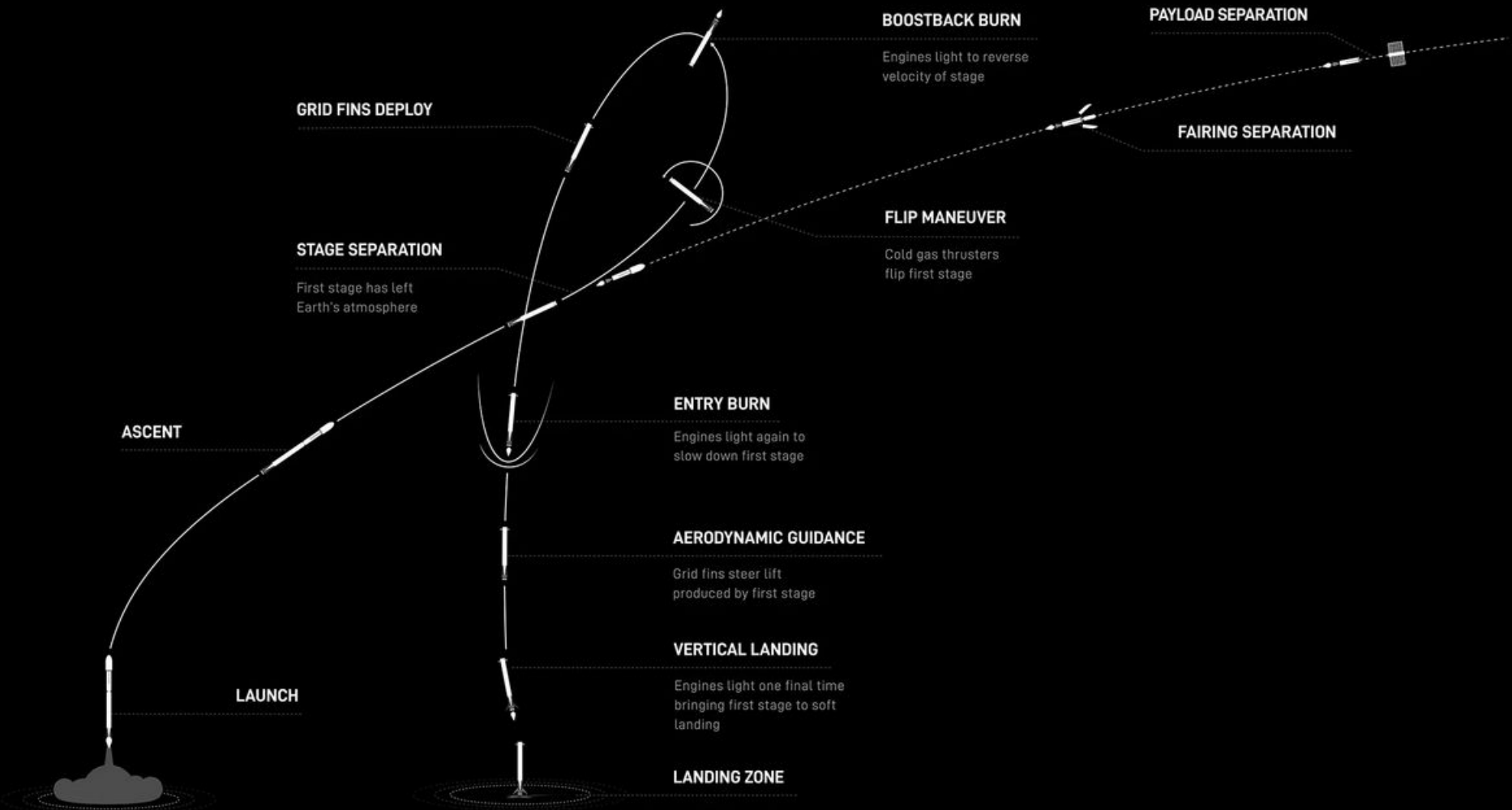
SpaceX is targeting Thursday, September 12 for launch of AST SpaceMobile's BlueBird 1-5 mission to orbit from Space Launch Complex 40 (SLC-40) at Cape Canaveral Space Force Station in Florida. The four-hour window opens at 4:52 a.m. ET. If needed, a backup launch opportunity is available on Friday, September 13 with a four-hour window opening at 4:49 a.m. ET.

A live webcast of this mission will begin about 15 minutes prior to liftoff, which you can watch here and on [X @SpaceX](#).

This will be the 13th flight for the Falcon 9 first stage booster supporting this mission, which previously launched Crew-6, 03b mPOWER, USSF-124, and nine Starlink missions. After stage separation, the first stage will land on Landing Zone 1 (LZ-1) at Cape Canaveral Space Force Station.

## 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



## COUNTDOWN

All Times Approximate

HR/MIN/SEC	EVENT
00:01:10	Max Q (moment of peak mechanical stress on the rocket)
00:02:18	1st stage main engine cutoff (MECO)
00:02:22	1st and 2nd stages separate
00:02:26	Stage 1 flip
00:02:29	2nd stage engine starts (SES-1)
00:02:34	1st stage boostback burn starts
00:03:11	Fairing separation
00:03:29	1st stage boostback burn ends
00:06:04	1st stage entry burn begins
00:06:17	1st stage entry burn ends
00:07:08	1st stage landing burn begins
00:07:32	1st stage landing
00:08:23	2nd stage engine cutoff (SECO-1)
00:53:57	BlueBird 1 deploys
00:55:32	BlueBird 2 deploys
00:58:37	BlueBird 3 deploys
01:02:22	BlueBird 4 deploys
01:07:53	BlueBird 5 deploys