

## Mission Timeline for Launch Friday, April 23 at 5:49:02 a.m. EDT

MET	Time	Event
-06:40:00	11:09:00 PM	Crew Wake
-05:30:00	12:19:02 AM	CE Launch Readiness Briefing
-05:00:00	12:49:02 AM	Launch Shift On Console
-04:59:59	12:49:03 AM	Dragon IMU align and Configure for launch
-04:30:00	1:19:02 AM	Dragon prop pressurization
-04:20:00	1:29:02 AM	Crew weather brief
-04:10:00	1:39:02 AM	Crew handoff
-04:00:00	1:49:02 AM	Suit donning and checkouts
-03:20:00	2:29:02 AM	Crew walk out from Neil Armstrong Operations & Checkout Building
-03:15:00	2:34:02 AM	Crew Transportation to Launch Complex 39A
-02:55:00	2:54:02 AM	Crew arrives at pad
-02:35:00	3:14:02 AM	Crew ingress
-02:20:00	3:29:02 AM	Communication check
-02:15:00	3:34:02 AM	Verify ready for seat rotation
-02:14:00	3:35:02 AM	Suit leak checks
-01:55:00	3:54:02 AM	Hatch close
-00:45:00	5:04:02 AM	SpaceX Launch Director verifies go for propellant load
-00:42:00	5:07:02 AM	Crew access arm retracts
-00:37:00	5:11:02 AM	Dragon launch escape system is armed
-00:35:00	5:14:02 AM	RP-1 (rocket grade kerosene) loading begins 1st stage LOX (liquid oxygen) loading begins
-00:16:00	5:33:02 AM	2nd stage LOX loading begins
-00:07:00	5:42:02 AM	Falcon 9 begins engine chill prior to launch
-00:05:00	5:44:02 AM	Dragon transitions to internal power
-00:01:00	5:48:02 AM	Command flight computer to begin final prelaunch checks Propellant tank pressurization to flight pressure begins
-00:00:45	5:48:17 AM	SpaceX Launch Director verifies go for launch
-00:00:03	5:48:59 AM	Engine controller commands engine ignition sequence to start
<b>+00:00:00</b>	<b>5:49:02 AM</b>	<b>Liftoff</b>
+00:01:02	5:50:04 AM	Max Q (moment of peak mechanical stress on the rocket)
+00:02:36	5:51:38 AM	1st stage main engine cutoff (MECO)
+00:02:39	5:51:41 AM	1st and 2nd stages separate
+00:02:47	5:51:49 AM	2nd stage engine starts
+00:07:27	5:56:29 AM	1st stage entry burn
+00:08:47	5:57:49 AM	2nd stage engine cutoff (SECO-1)
+00:09:03	5:58:05 AM	1st stage entry burn
+00:09:30	5:58:32 AM	1st stage landing
+00:11:58	6:01:00 AM	Crew Dragon separates from 2nd stage
+00:13:02	6:02:04 AM	Dragon nosecone open sequence begins

**\*\*\* ALL TIMES APPROXIMATE AND SUBJECT TO CHANGE \*\*\***