

## Mission Timeline for Launch Saturday, May 30 at 3:22:45 p.m. EDT

MET	TIME	EVENT
-04:15:00	11:07:45 AM	Crew weather brief
-04:05:00	11:17:45 AM	Crew handoff
-04:00:00	11:22:45 AM	Suit donning and checkouts
-03:22:00	12:00:45 PM	Crew walk out from Neil Armstrong Operations & Checkout Building
-03:15:00	12:07:45 PM	Crew transportation to Launch Complex 39A
-02:55:00	12:27:45 PM	Crew arrives at pad
-02:35:00	12:47:45 PM	Crew ingress
-02:20:00	1:02:45 PM	Communication check
-02:15:00	1:07:45 PM	Verify ready for seat rotation
-02:14:00	1:08:45 PM	Suit leak checks
-01:55:00	1:27:45 PM	Hatch close
-00:45:00	2:37:45 PM	SpaceX Launch Director verifies go for propellant load
-00:42:00	2:40:45 PM	Crew access arm retracts
-00:37:00	2:44:45 PM	Dragon launch escape system is armed
-00:35:00	2:47:45 PM	RP-1 (rocket grade kerosene) loading begins 1st stage LOX (liquid oxygen) loading begins
-00:16:00	3:06:45 PM	2nd stage LOX loading begins
-00:07:00	3:15:45 PM	Falcon 9 begins engine chill prior to launch
-00:05:00	3:17:45 PM	Dragon transitions to internal power
-00:01:00	3:21:45 PM	Command flight computer to begin final prelaunch checks Propellant tank pressurization to flight pressure begins
-00:00:45	3:21:57 PM	SpaceX Launch Director verifies go for launch
-00:00:03	3:22:42 PM	Engine controller commands engine ignition sequence to start
<b>+00:00:00</b>	<b>3:22:45 PM</b>	<b>Liftoff</b>
+00:00:58	3:23:43 PM	Max Q (moment of peak mechanical stress on the rocket)
+00:02:33	3:25:18 PM	1st stage main engine cutoff (MECO)
+00:02:36	3:25:21 PM	1st and 2nd stages separate
+00:02:44	3:25:29 PM	2nd stage engine starts
+00:07:15	3:30:00 PM	1st stage entry burn
+00:08:47	3:31:32 PM	2nd stage engine cutoff (SECO-1)
+00:08:52	3:31:37 PM	1st stage entry burn
+00:09:22	3:32:07 PM	1st stage landing
+00:12:00	3:34:45 PM	Crew Dragon separates from 2nd stage
+00:12:46	3:35:31 PM	Dragon nosecone open sequence begins