

	Event	Time Before Launch (HH:MM:SS)	Time	
			Baikonur	Carlsbad
Launch Day Event Schedule	Call to Stations	T-14:00:00	10:48AM (10/19)	9:48PM (10/18)
	Power-up Spacecraft	T-13:57:00	10:51AM	9:51PM
	Evacuate Launch Pad	T-6:59:00	5:49PM	4:49AM
	Start Fueling Launch Vehicle	T-6:00:00	6:48PM	5:48AM
	Mobile Service Tower Rollback	T-1:09:00	11:39PM	10:39AM
	Launch Broadcast Starts	T-0:18:00	12:30AM (10/20)	11:30AM
	Liftoff	T-0	12:48AM	11:48AM
	First Stage Jettison	T+00:02:00	12:50AM	11:50AM
	Second Stage Jettison	T+00:05:27	12:54AM	11:54AM
	Payload Fairing Jettison	T+00:05:47	12:54AM	11:54AM
	Third Stage Jettison	T+00:09:42	12:58AM	11:58AM
	Spacecraft Separation from Launch Vehicle	T+09:12:00	10:00AM	9:00PM
	North Solar Array Deployment	T+11:47:00	12:35PM	11:35PM
South Solar Array Deployment	T+12:27:00	1:15PM	12:15AM (10/20)	