



Launch Timeline



Activity/Event	Time (Nominal) (Hours:Minutes:Seconds)
Final Power-Up (driven by ULA activities and last access to fairing)	L -76:00:00
Begin Roll-Out from Vertical Integration Facility (VIF) to Launch Pad	L -32:40:00
Launch Team Call to Stations	L -04:00:00
Begin T-2 Hour Hold	L -02:40:00
Mission Phase to "Launch," Load/Start Boost Block	L -01:45:00
Final Spacecraft Configuration Commanding	L -00:30:00
T-4 Minute Hold to Verify Terminal Count	L -00:19:00
Final Poll for Launch	L -00:13:00
Spacecraft Switch to Internal Power	L -00:10:00
Exit T-4 Minute Hold	L -00:04:00
Launch Hold Restriction (hold can be called only by computer)	L -00:00:15
Booster Engine Ignition	L -00:00:03
Liftoff	L -00:00:00
Solid Rocket Booster Jettison	L + 00:01:50
Payload Fairing Jettison	L + 00:03:29
Upper Stage Separation	L + 00:04:27
Main Engine Start #1	L + 00:04:37
Ground Station Acquisition	L + 01:01:40
Main Engine Cutoff - Final (MECO-3)	L + 03:29:05
Spacecraft Separation	L + 03:31:55
Solar Array Deployment - Stage 1	L + 03:39:36
Uplink Command and Communications Acquired	L + 03:51:00
Rocket Engine Assemblies Checkout Completed	L + 14:34:10
Initiate Orbit Raising Operations	Days 2 - 8
Solar Array Deployment - Stage 2	Day 9
Continue Orbit Raising Operations	Days 10 - 14
Geosynchronous Orbit Obtained	Day 14



GOES-R

ATLAS V 541
ROCKET COMPONENTS

