

MISSION NOMINAL TIMELINE

Event	Time from Launch (sec)
Stage 1 Motor Ignition	0
Lift Off	2.1
Stage 1 MECO	233.7
Stage 1 Separation	238.7
Fairing Separation	324.4
Stage 1/2 Interstage Separation	329.4
Stage 2 Ignition	333.4
Stage 2 Burn Out	488.3
Payload Separation (Orbit Insertion)	608.3

MISSION EVENT SEQUENCING

Event	Time (sec)	Altitude (km)	Latitude (deg N)	Longitude (deg E)
STAGE 1 IGNITION	0.017	0.025	37.834	-75.488
STAGE 1 HANGFIRE	5.017	0.033	37.834	-75.488
STAGE 1 BOOST	5.027	0.034	37.834	-75.488
STAGE 1 THROTTLE DOWN	205.057	78.735	37.052	-73.975
STAGE 1 SHUTDOWN	233.737	109.433	36.514	-72.993
STAGE SEPARATION	238.747	115.185	36.403	-72.794
ENABLE RCS	239.747	116.315	36.38	-72.755
ENABLE PEG STEERING	254.747	132.54	36.046	-72.167
DISABLE RCS FOR FAIRING SEP	324.317	190.108	34.473	-69.548
FAIRING SEPARATION	324.397	190.158	34.471	-69.545
RE-ENABLE RCS AFTER FAIRING SEP	326.397	191.384	34.425	-69.472
DISABLE RCS FOR INTERSTAGE SEP	329.317	193.131	34.358	-69.366
STAGE 1/2 INTERSTAGE SEPARATION	329.397	193.178	34.356	-69.363
ENABLE UPPER RCS AFTER INTERSTAGE SEP	331.397	194.345	34.31	-69.291
STAGE 2 IGNITION	333.397	195.488	34.264	-69.218
STAGE 2 TAIL-OFF	483.777	277.788	29.232	-62.817
STAGE 2 COAST	488.317	277.771	29.018	-62.591
ORIENT FOR PAYLOAD SEP	498.317	277.644	28.545	-62.096
DISABLE RCS FOR PAYLOAD SEP	608.237	276.215	23.216	-56.944
PAYLOAD SEPARATION	608.317	276.214	23.212	-56.94
RE-ENABLE RCS AFTER PAYLOAD SEP	610.317	276.188	23.113	-56.851
ORIENT FOR CCAM	611.317	276.175	23.064	-56.807
CONTAMINATION/COLLISION AVOIDANCE MANUEVER	908.317	272.604	7.868	-44.731
RCS TANK DEPLETION	1028.317	271.494	1.567	-40.23
POST RCS BLOWDOWN COAST	1118.317	270.825	-3.171	-36.879

