

**MISSION NOMINAL TIMELINE**

<b>Event</b>	<b>Time from Launch (sec)</b>
Stage 1 Ignition	0.00
Stage 1 Separation/Stage 2 Ignition	61.44
Stage 2 Separation	133.48
Stage 3 Ignition	135.58
Fairing Separation	145.79
Stage 3 Separation	547.14
Stage 4 Ignition	558.14
STPSat 3 Payload Separation (Orbit Insertion)	744.59

**MISSION EVENT SEQUENCING**

<b>Event</b>	<b>Time (sec)</b>	<b>Altitude (Km)</b>	<b>Latitude (deg N)</b>	<b>Longitude (deg E)</b>
Stage 1 Ignition	0.00	0.03	37.83	-75.49
Pitch Down	2.50	0.06	37.83	-75.49
Max Dynp	38.00	10.69	37.82	-75.42
Stage 1 Separation/Stage 2 Ignition	61.43	30.57	37.77	-75.21
Stage 2 Skirt Separation	77.97	47.59	37.72	-74.99
Stage 2 Separation	133.47	111.37	37.45	-73.77
Stage 3 Ignition	135.57	113.69	37.43	-73.72
Fairing Separation	145.78	124.71	37.36	-73.43
Stage Burnout	208.18	205.29	36.69	-70.76
Stage 3 Separation	547.13	503.30	30.50	-54.11
Stage 4 Ignition	558.13	505.36	30.27	-53.63
Stage 4 Burnout	624.63	507.79	28.64	-50.21
Payload Separation	744.58	507.03	24.62	-43.49
Collision/Contamination Avoidance Maneuver (CCAM 1)	894.59	506.00	19.15	-35.72
IPS Sequencer Initiation	1189.59	504.16	7.46	-21.89
Collision/Contamination Avoidance Maneuver (CCAM 2)	1564.59	502.97	-8.01	-5.28
RCS Gas Depletion	1754.59	502.94	-15.63	3.50
End Of Mission	1854.59	503.02	-19.47	8.38