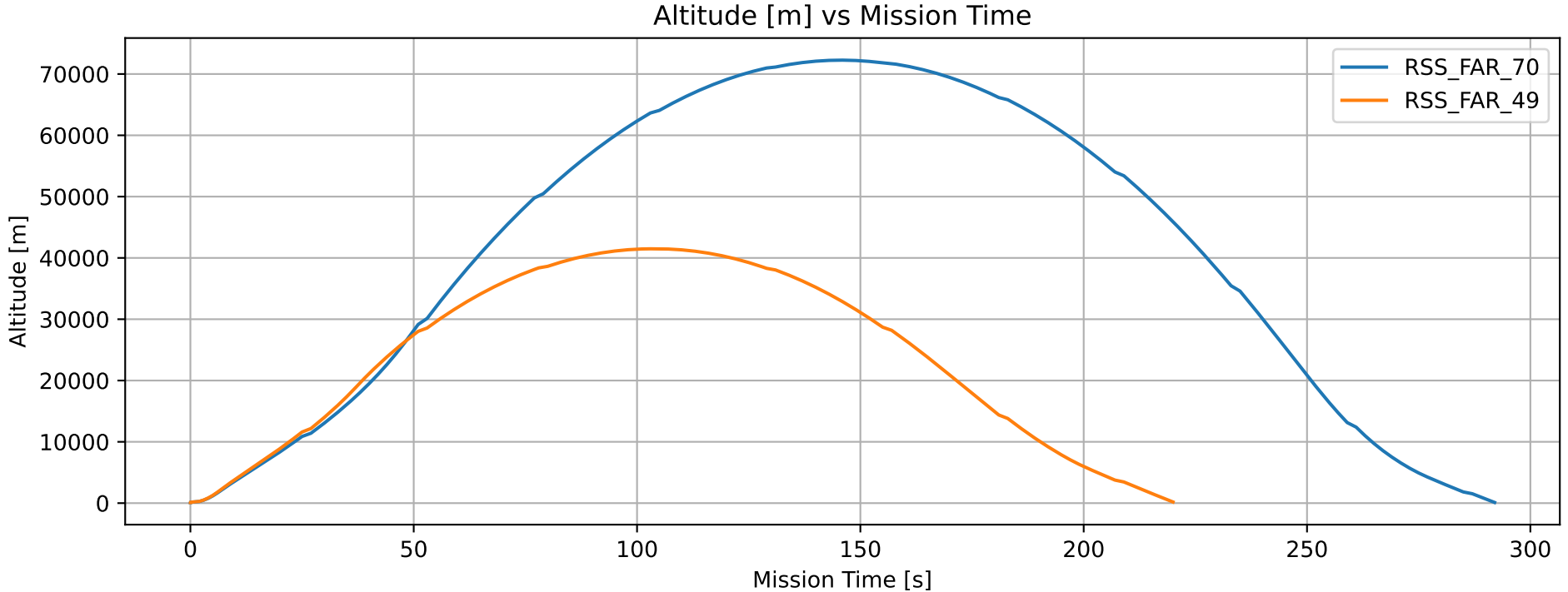
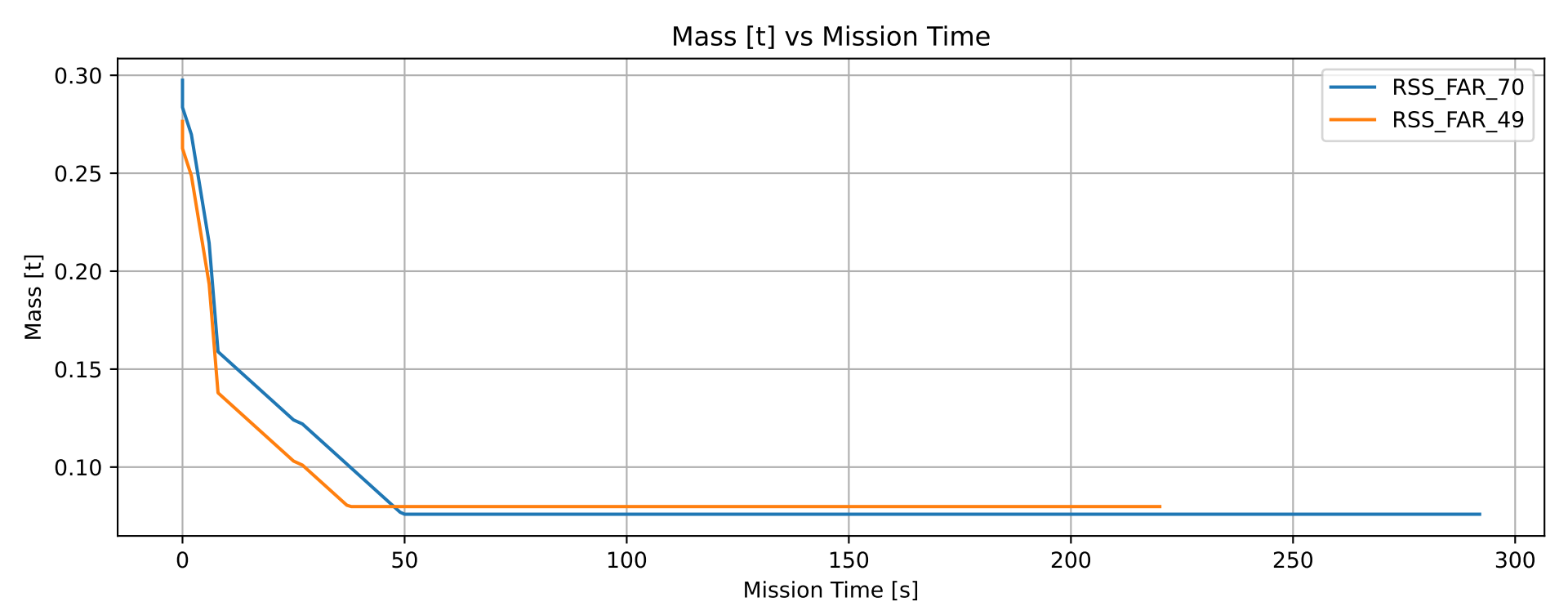
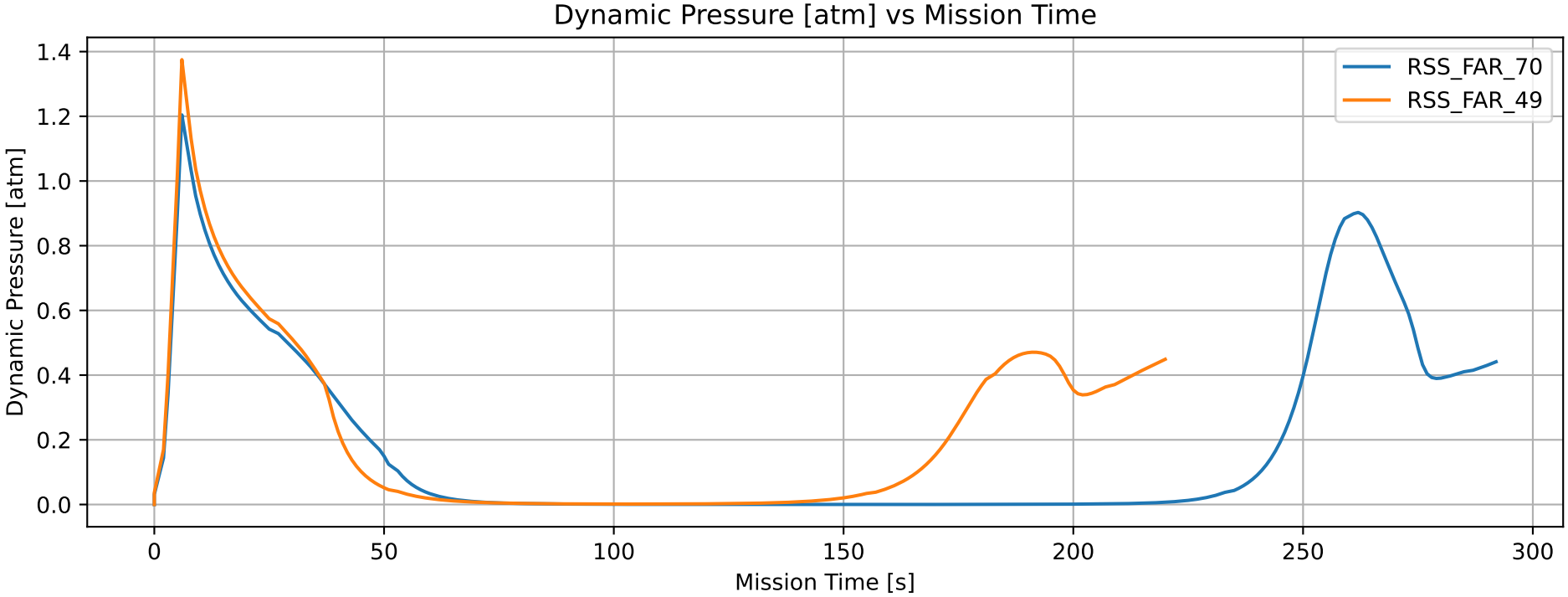
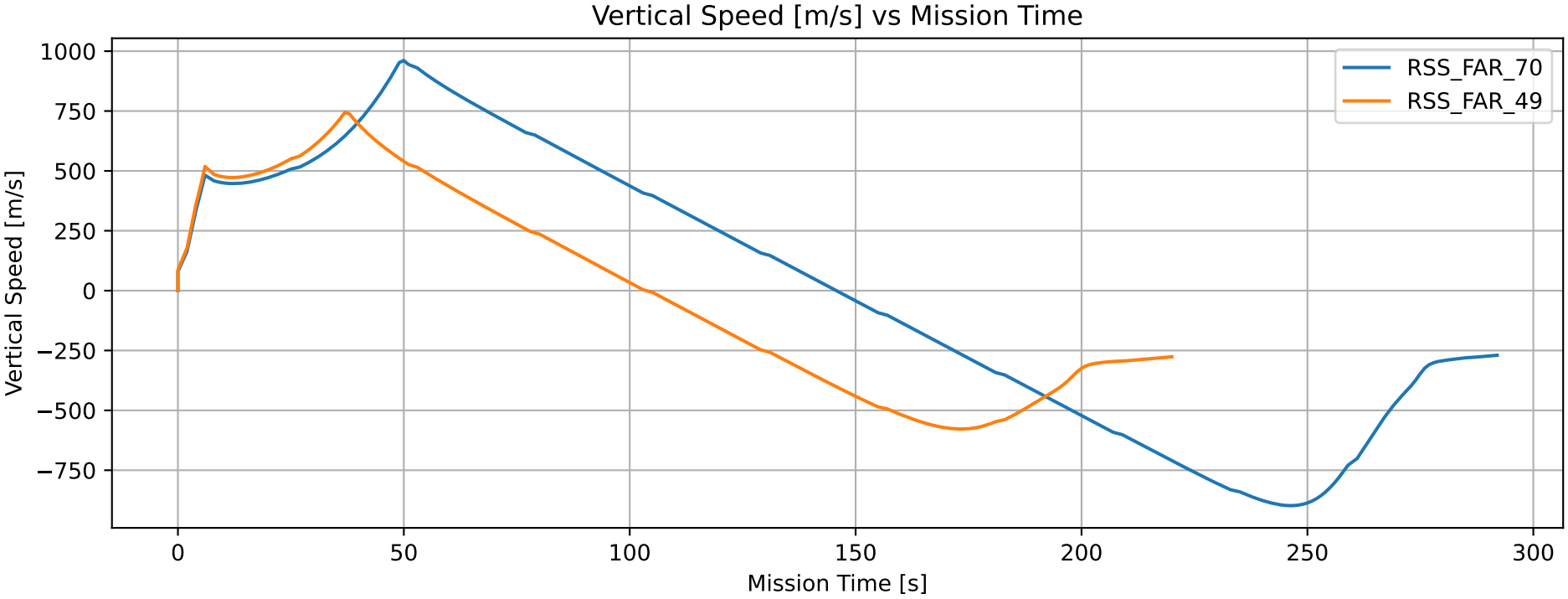
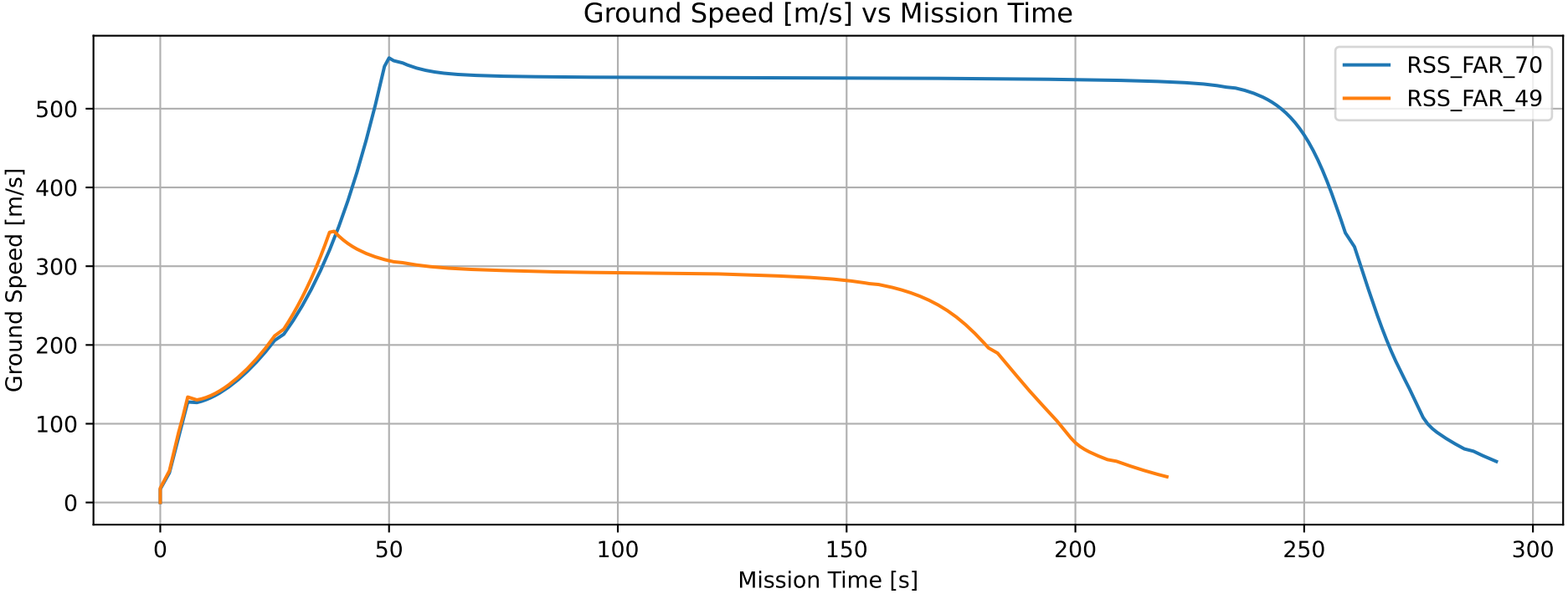
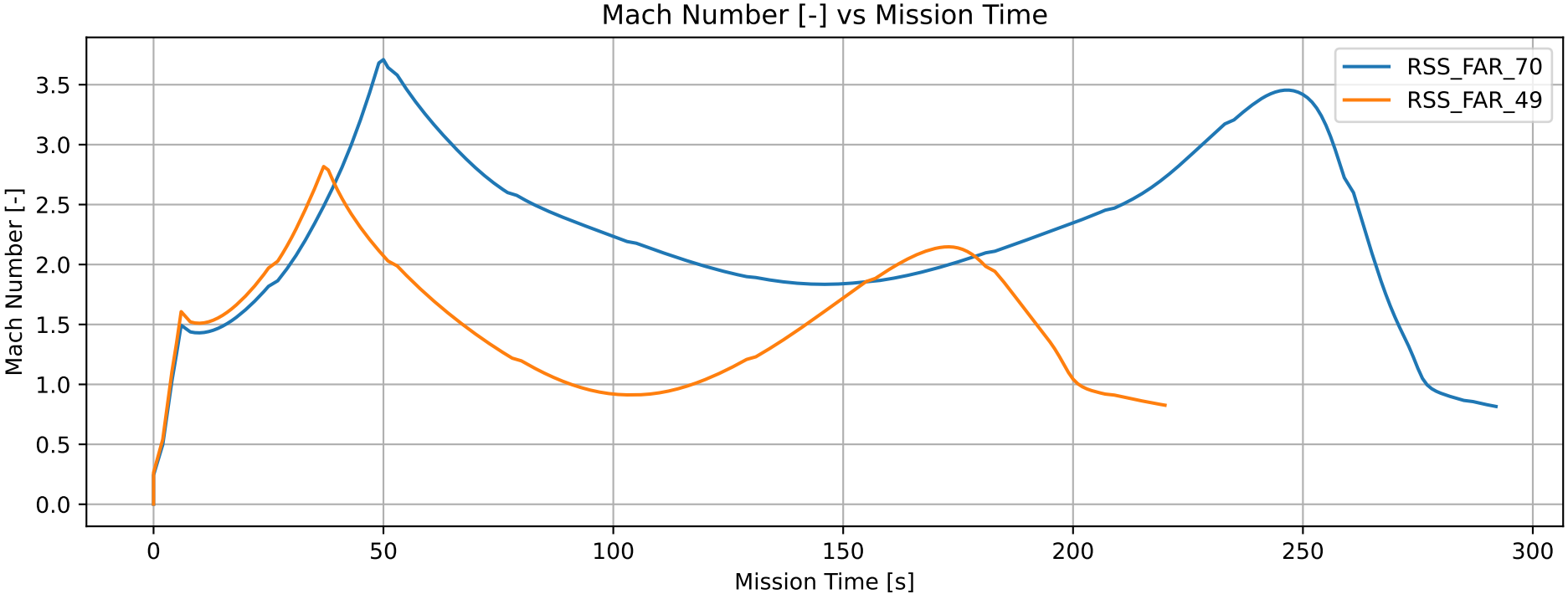

Altitude [m] vs Mission Time
RSS_FAR_70
RSS_FAR_49
Altitude [m]
70000
60000
50000
40000
30000
20000
10000
0
0
50
100
150
200
250
300
Mission Time [s]

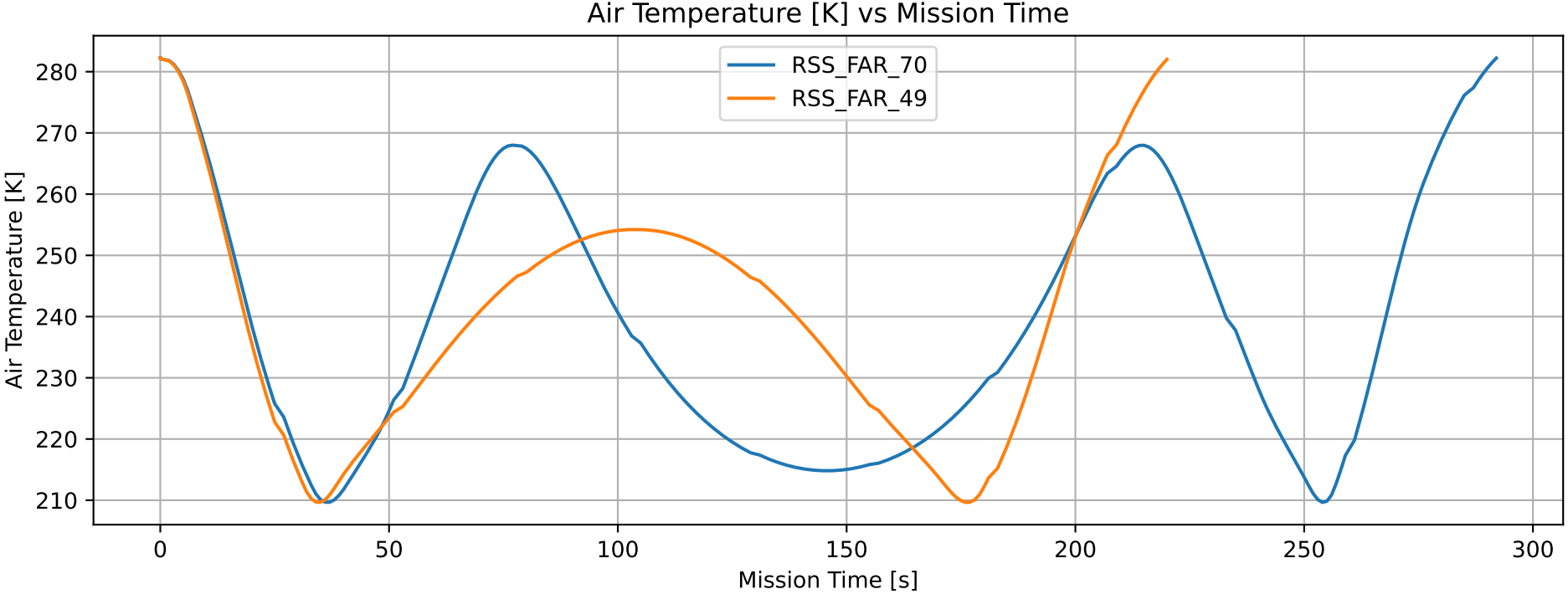

Mass [t] vs Mission Time
RSS_FAR_70
RSS_FAR_49
Mass [t]
0.30
0.25
0.20
0.15
0.10
0
50
100
150
200
250
300
Mission Time [s]

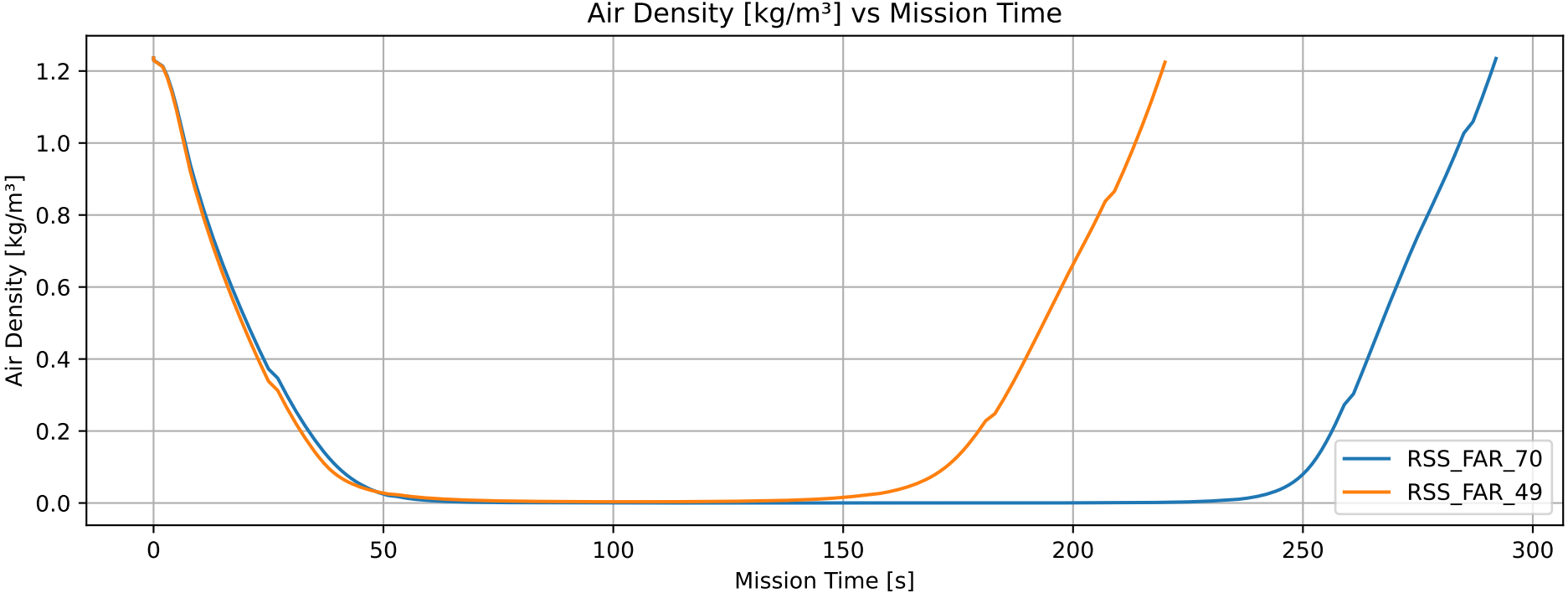

Dynamic Pressure [atm] vs Mission Time
Dynamic Pressure [atm]
Mission Time [s]
RSS_FAR_70
RSS_FAR_49
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
0
50
100
150
200
250
300

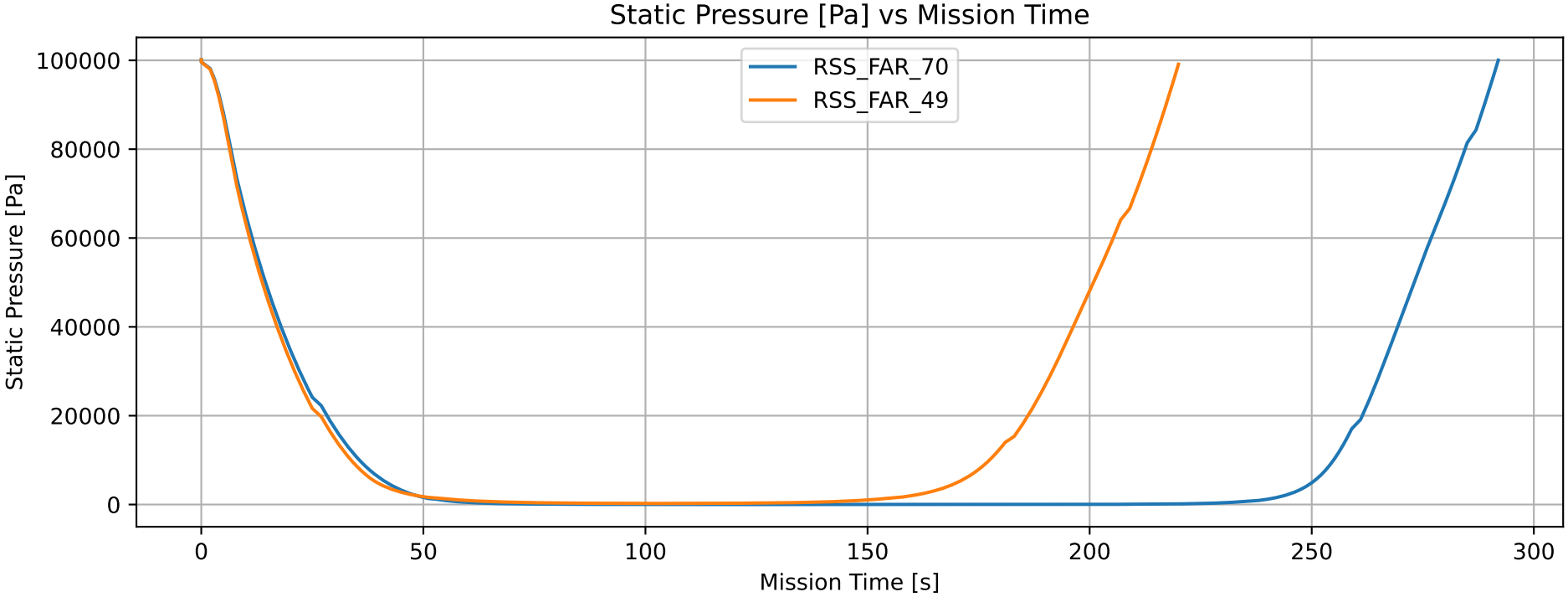

Vertical Speed [m/s] vs Mission Time
RSS_FAR_70
RSS_FAR_49
Vertical Speed [m/s]
1000
750
500
250
0
−250
−500
−750
0
50
100
150
200
250
300
Mission Time [s]

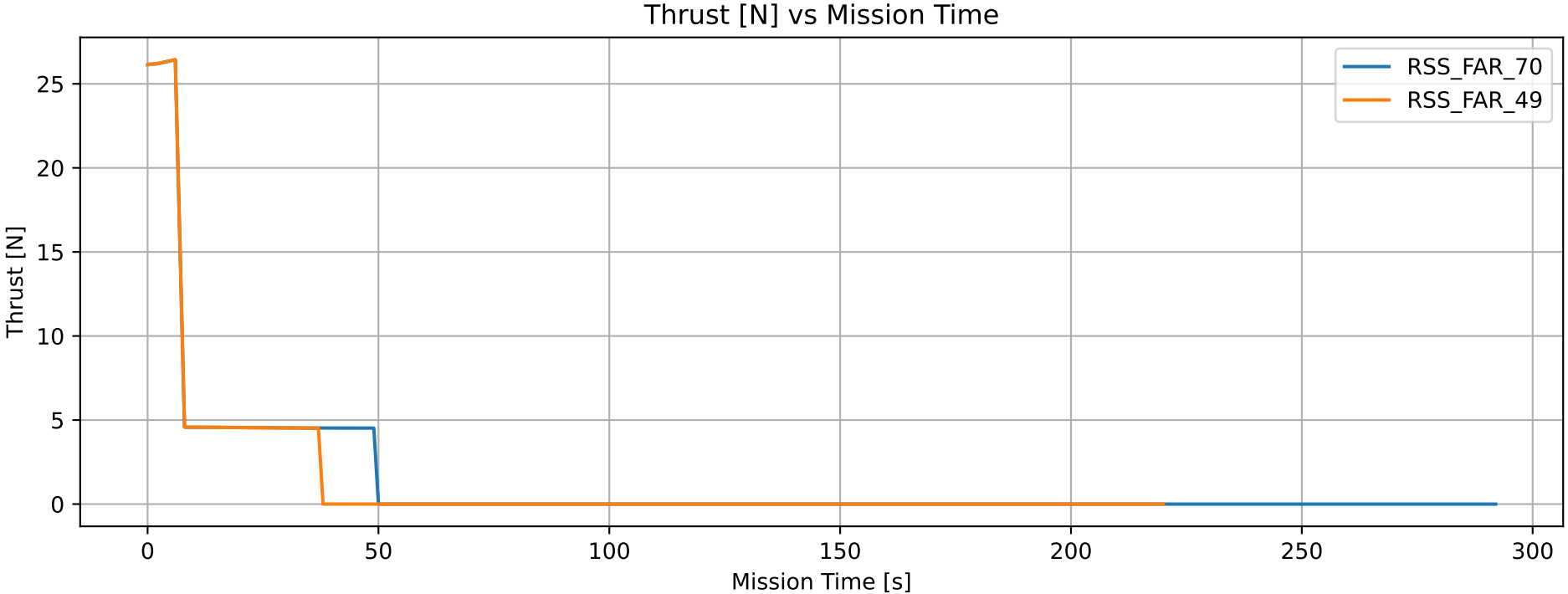

Ground Speed [m/s] vs Mission Time
RSS_FAR_70
RSS_FAR_49
Ground Speed [m/s]
0
100
200
300
400
500
Mission Time [s]
0
50
100
150
200
250
300

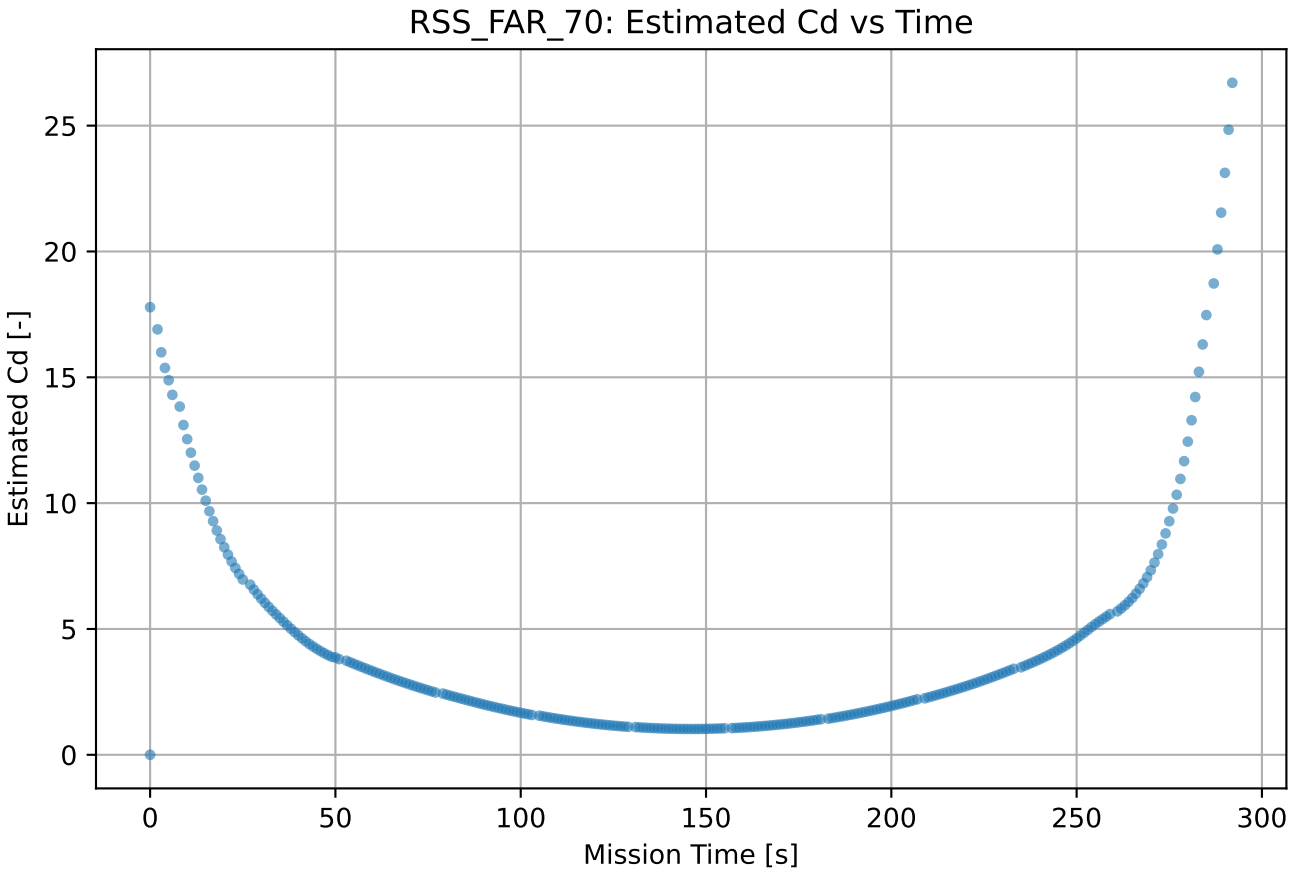

Mach Number [-] vs Mission Time
RSS_FAR_70
RSS_FAR_49
Mach Number [-]
Mission Time [s]
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
0
50
100
150
200
250
300

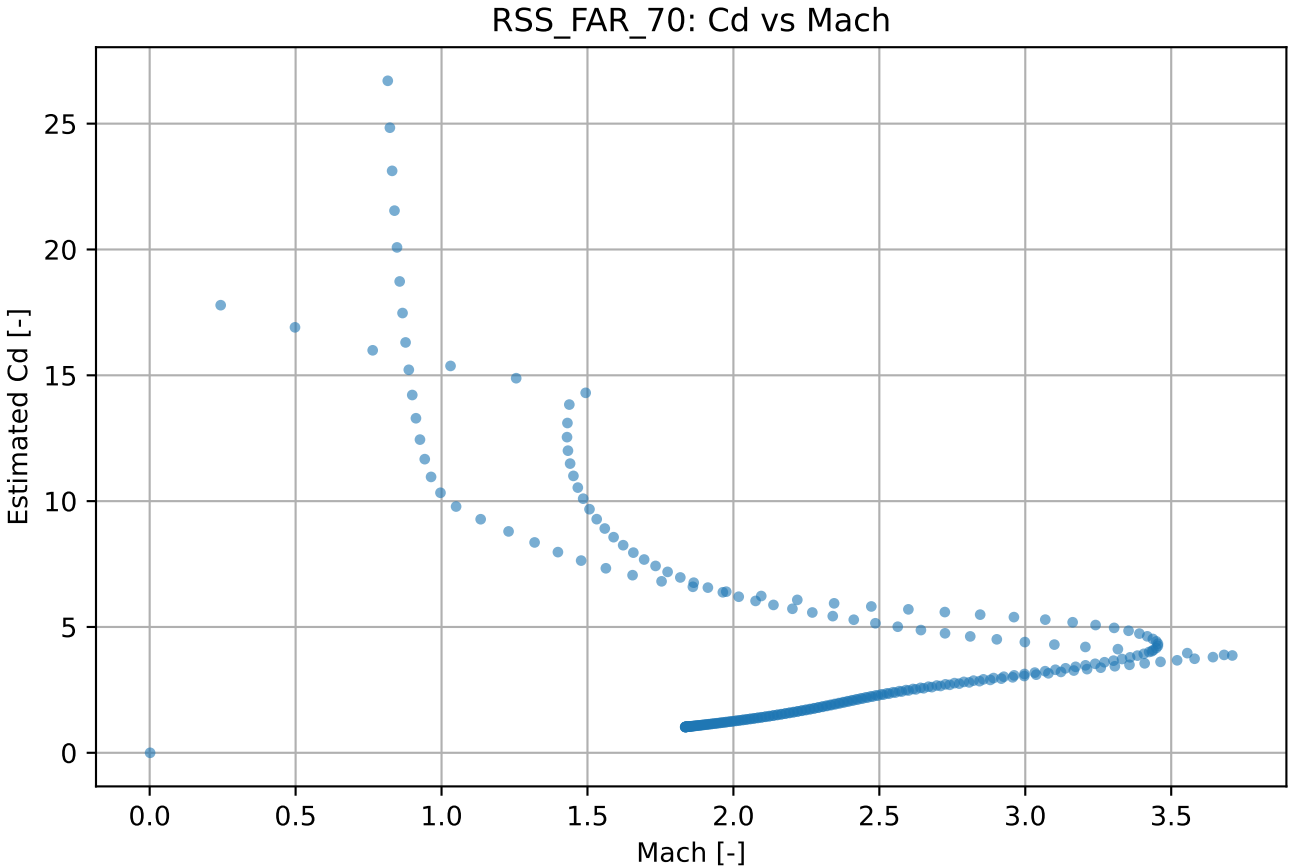

Air Temperature [K] vs Mission Time
RSS_FAR_70
RSS_FAR_49
Air Temperature [K]
Mission Time [s]
280
270
260
250
240
230
220
210
0
50
100
150
200
250
300

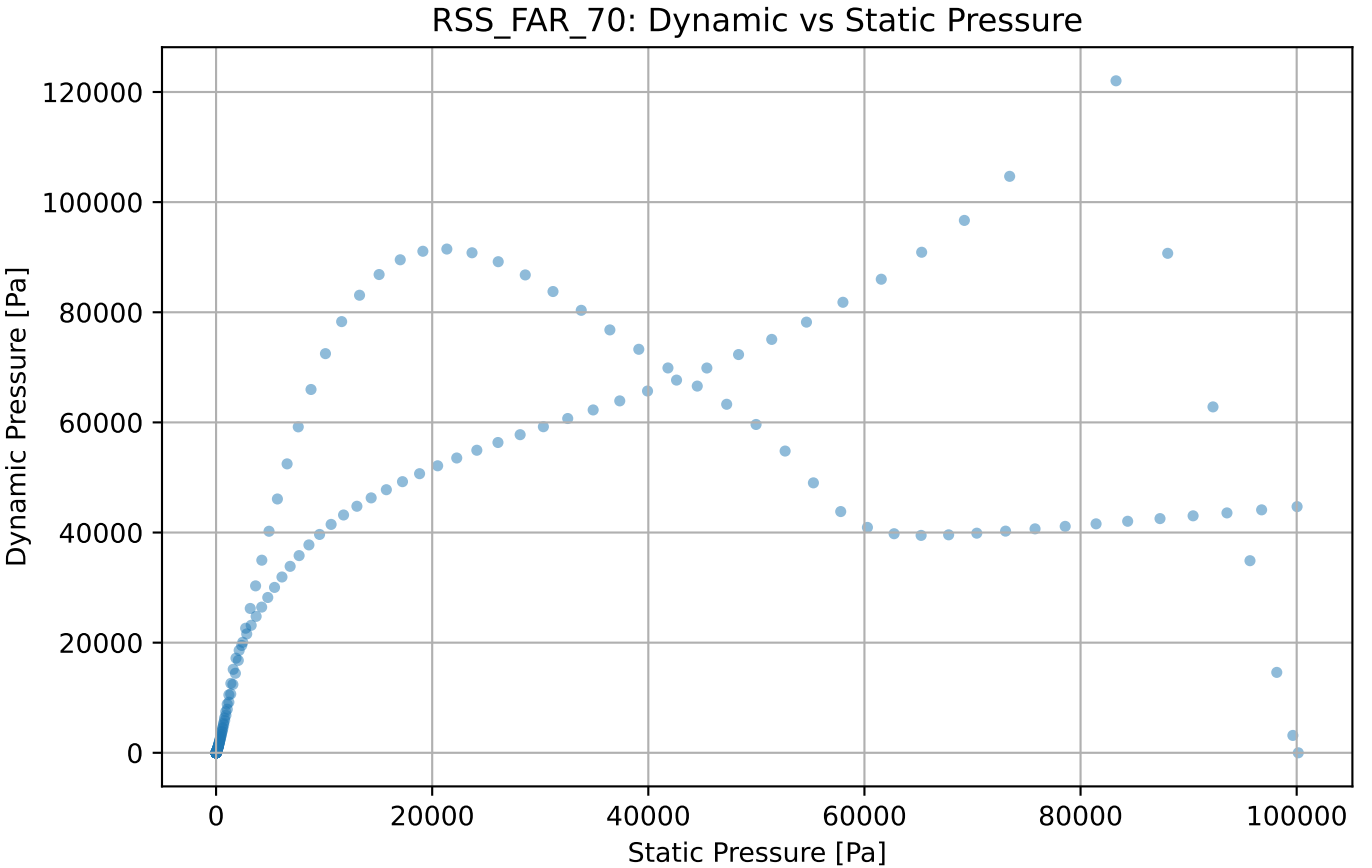

Air Density [kg/m³] vs Mission Time
Air Density [kg/m³]
1.2
1.0
0.8
0.6
0.4
0.2
0.0
0
50
100
150
200
250
300
Mission Time [s]
RSS_FAR_70
RSS_FAR_49

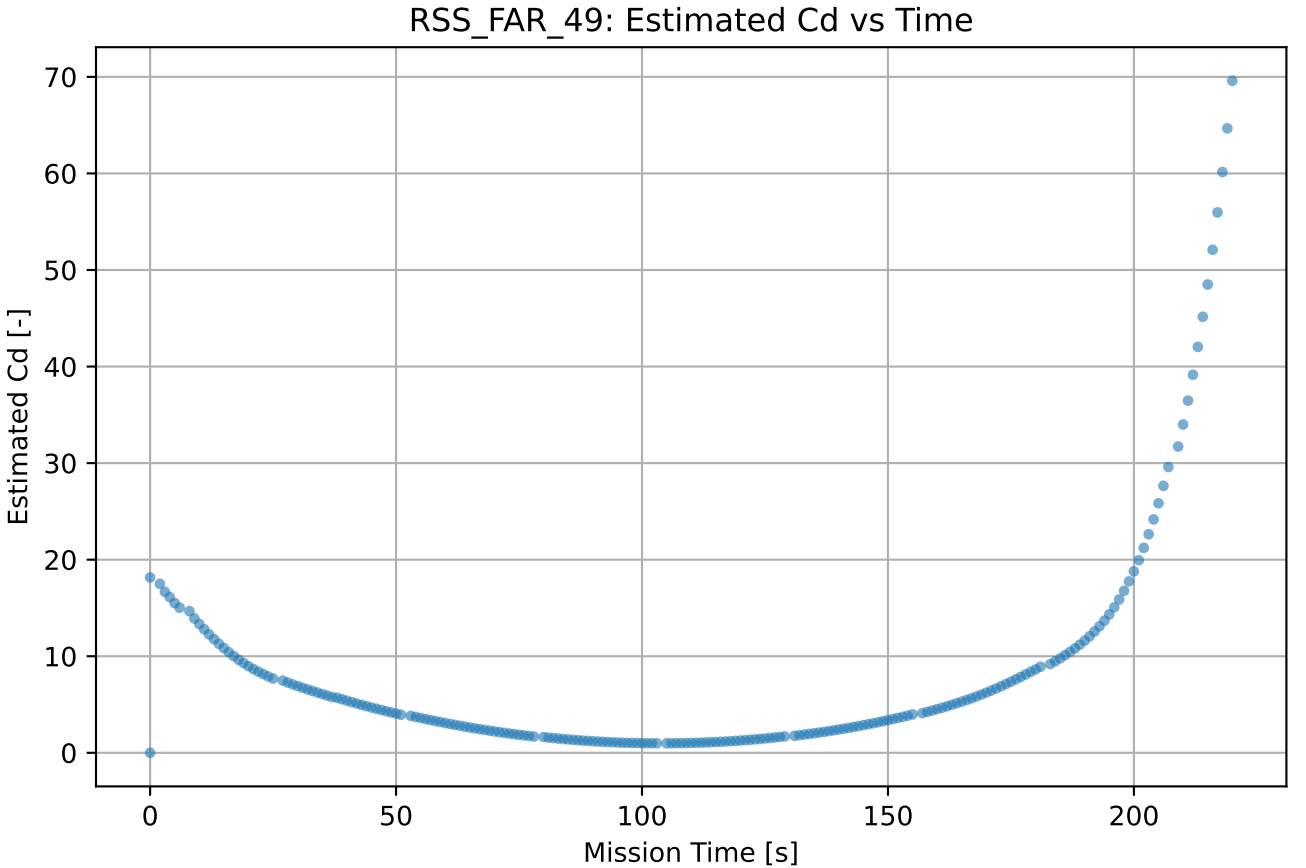

Static Pressure [Pa] vs Mission Time
RSS_FAR_70
RSS_FAR_49
Static Pressure [Pa]
100000
80000
60000
40000
20000
0
0
50
100
150
200
250
300
Mission Time [s]

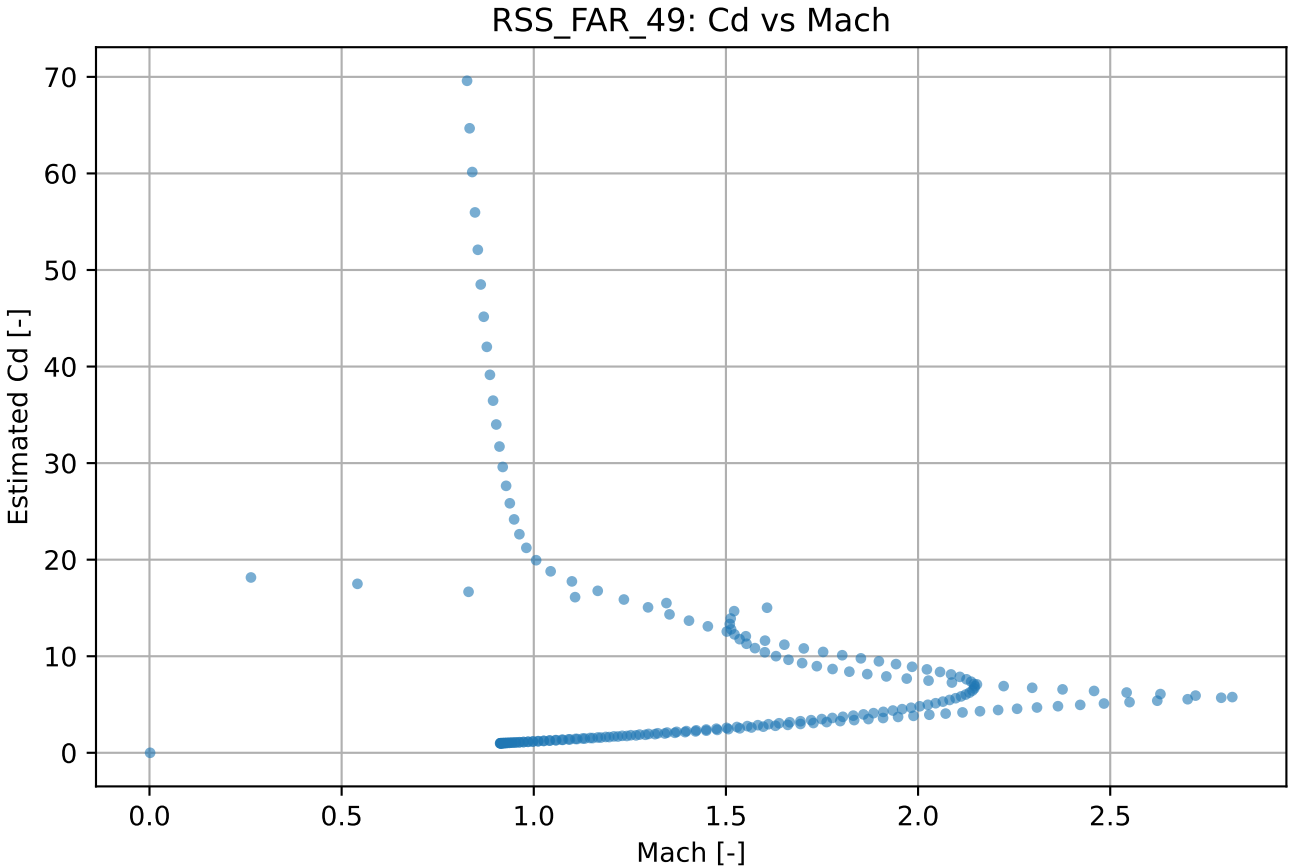

Thrust [N] vs Mission Time
RSS_FAR_70
RSS_FAR_49
Thrust [N]
Mission Time [s]
0
5
10
15
20
25
0
50
100
150
200
250
300

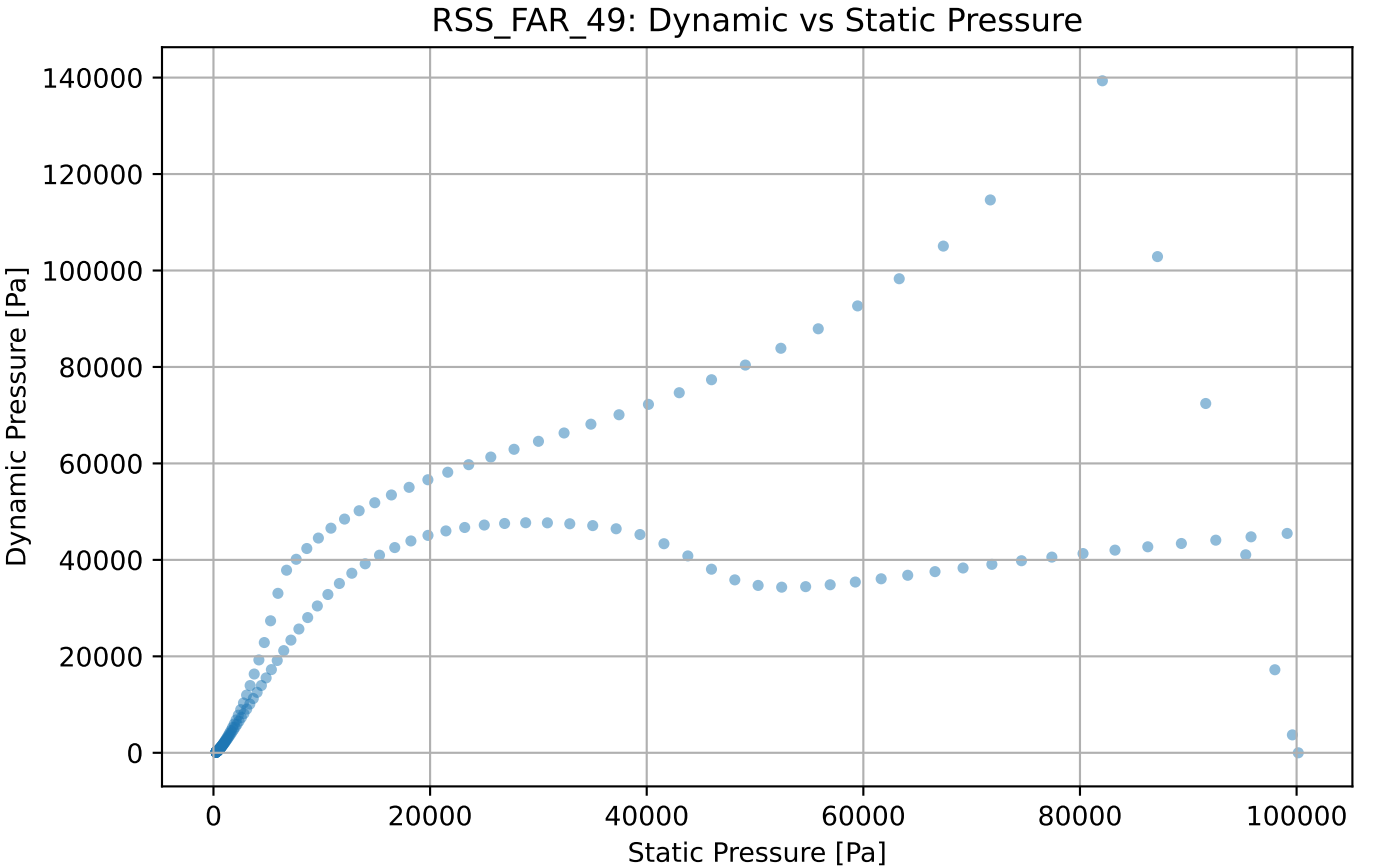

RSS_FAR_70: Estimated Cd vs Time
Estimated Cd [-]
Mission Time [s]
0
5
10
15
20
25
0
50
100
150
200
250
300

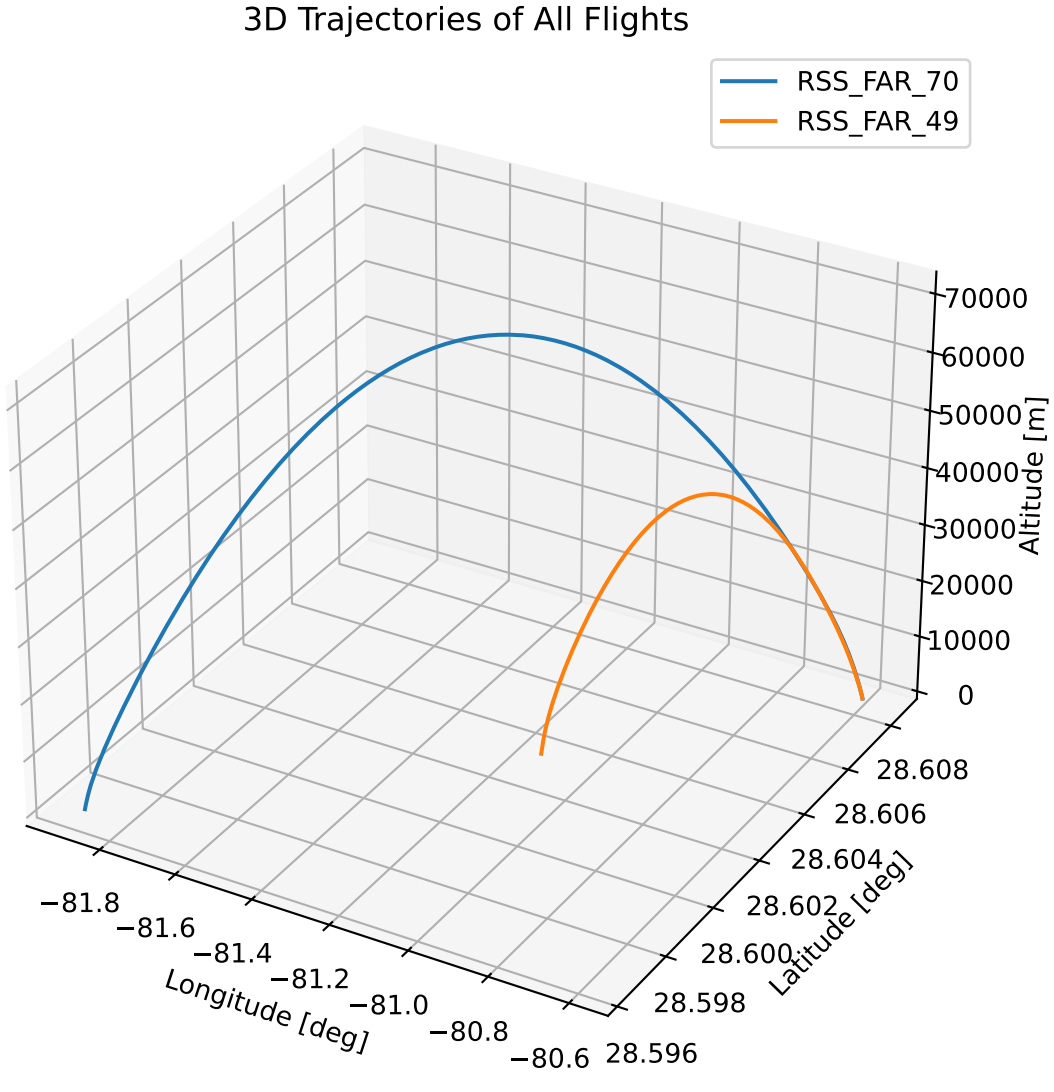

RSS_FAR_70: Cd vs Mach
Estimated Cd [-]
Mach [-]
0
5
10
15
20
25
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5


RSS_FAR_70: Dynamic vs Static Pressure
Dynamic Pressure [Pa]
Static Pressure [Pa]
0
20000
40000
60000
80000
100000
120000


RSS_FAR_49: Estimated Cd vs Time
Estimated Cd [-]
Mission Time [s]
0
10
20
30
40
50
60
70
0
50
100
150
200


RSS_FAR_49: Cd vs Mach
Estimated Cd [-]
Mach [-]
0
10
20
30
40
50
60
70
0.0
0.5
1.0
1.5
2.0
2.5


RSS_FAR_49: Dynamic vs Static Pressure
Dynamic Pressure [Pa]
Static Pressure [Pa]
0
20000
40000
60000
80000
100000
120000
140000


3D Trajectories of All Flights
RSS_FAR_70
RSS_FAR_49
Altitude [m]
70000
60000
50000
40000
30000
20000
10000
0
Latitude [deg]
28.608
28.606
28.604
28.602
28.600
28.598
28.596
Longitude [deg]
−81.8
−81.6
−81.4
−81.2
−81.0
−80.8
−80.6