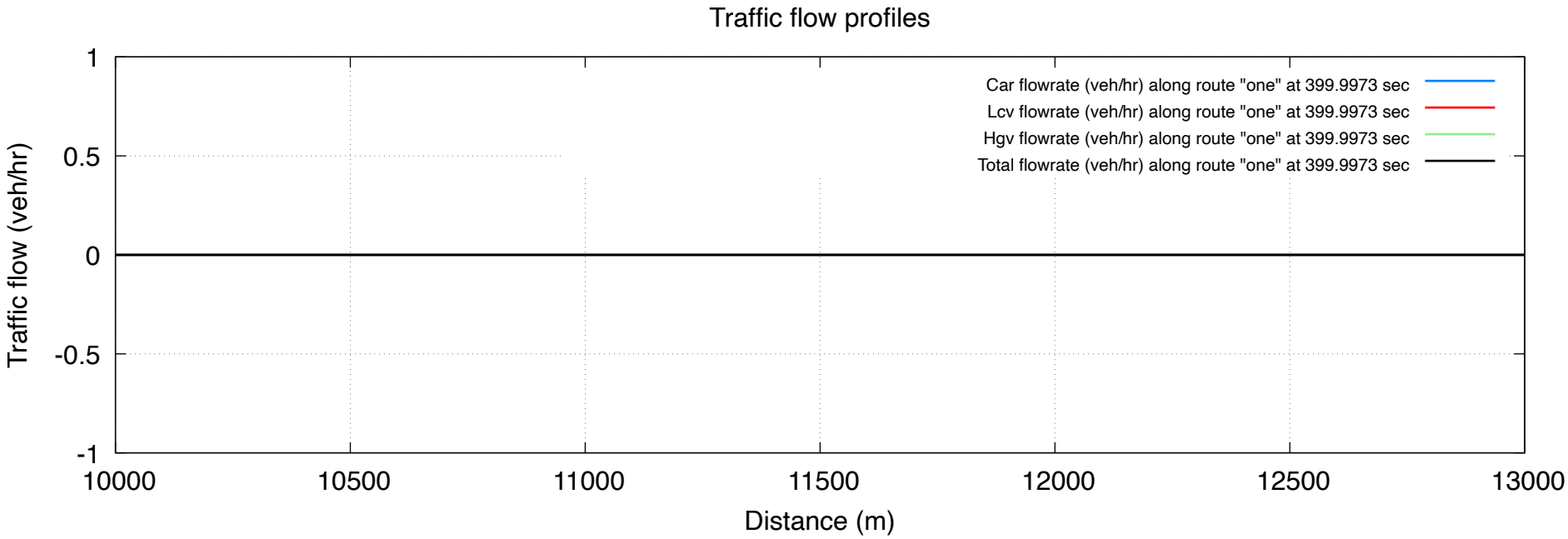
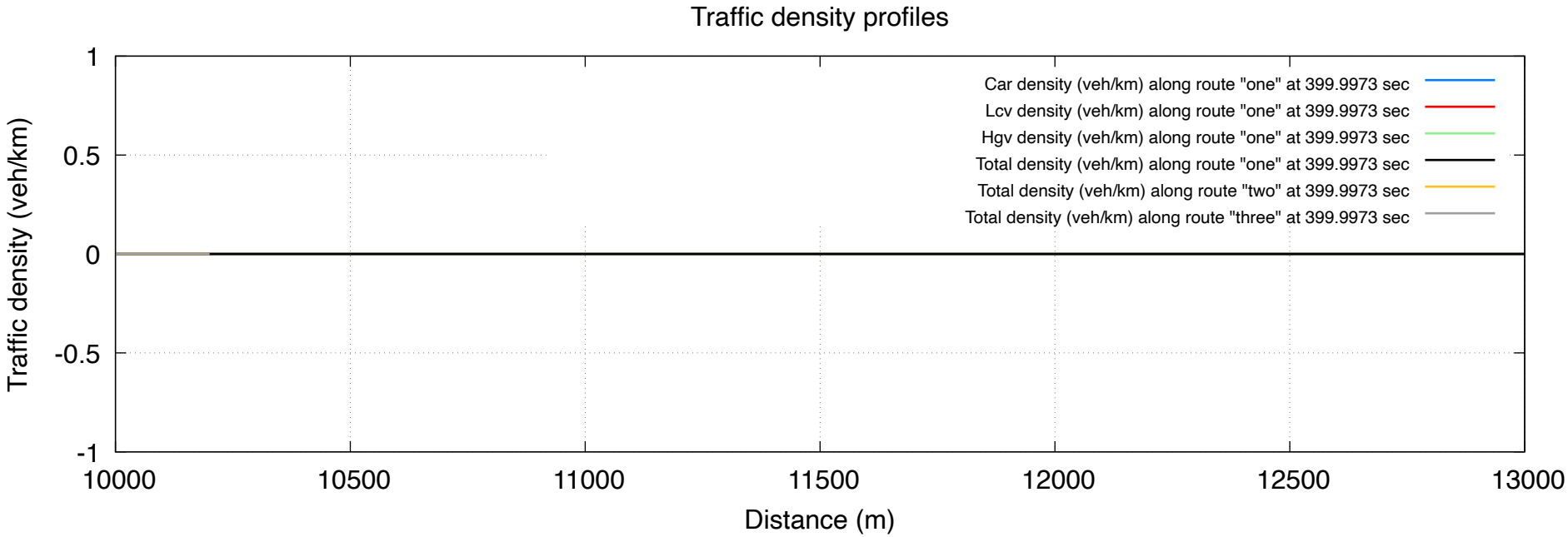
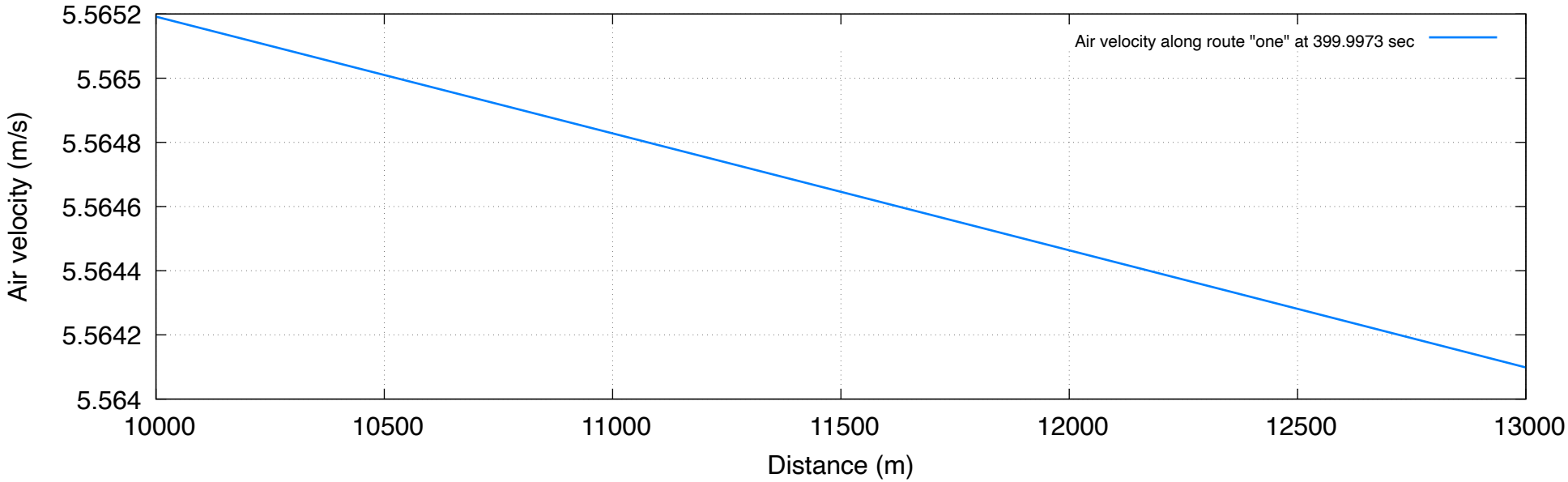
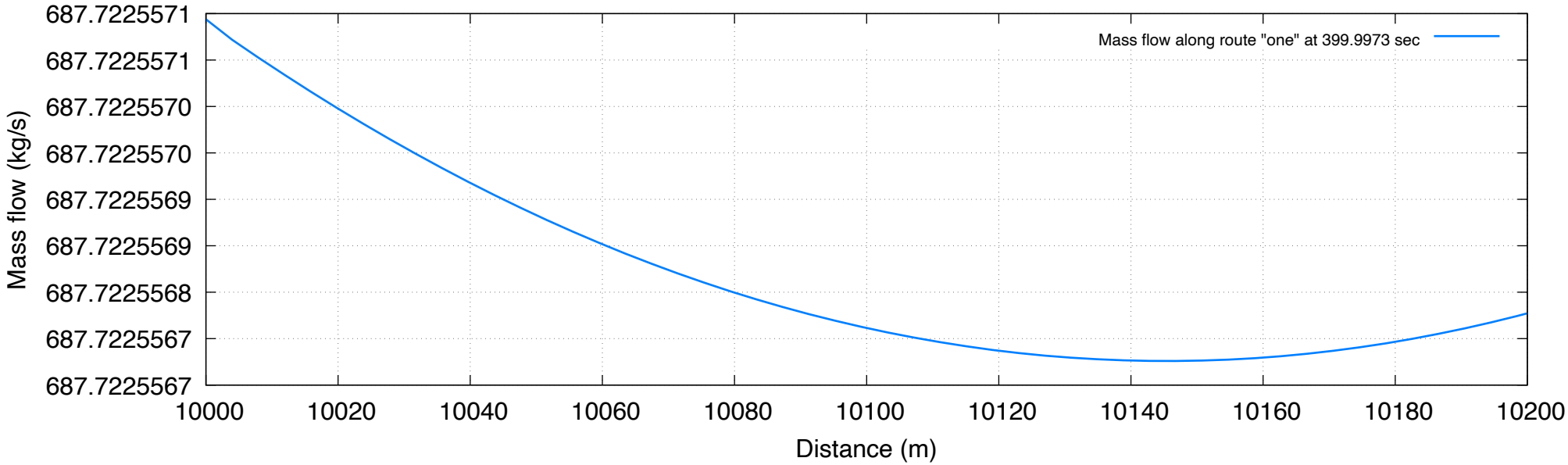
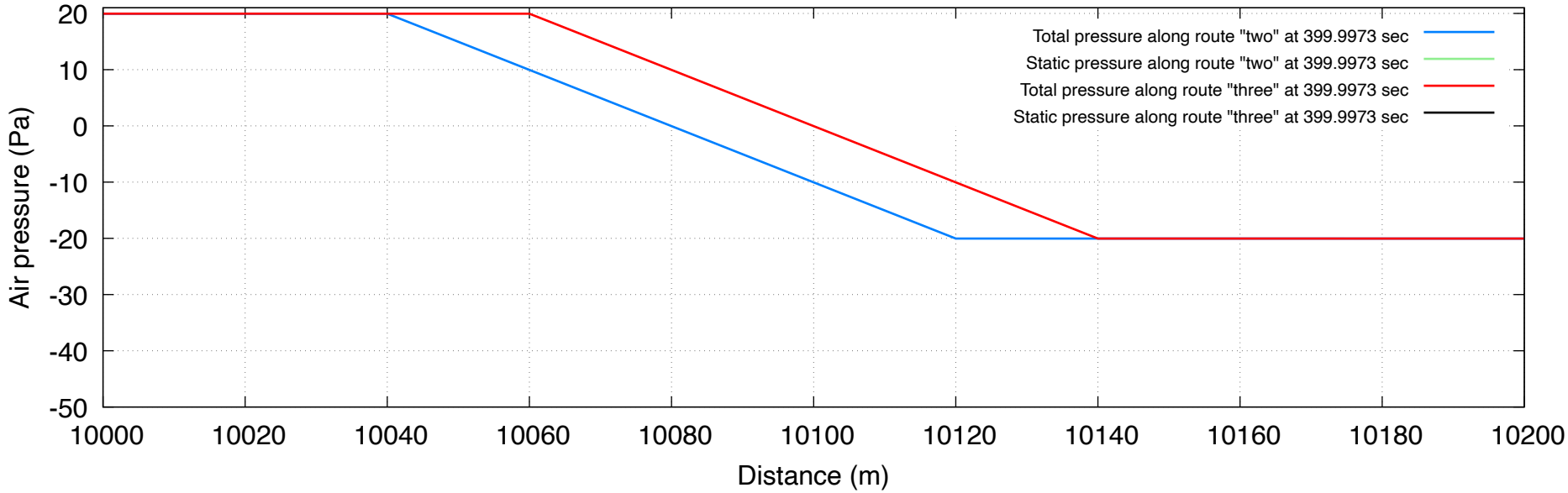

Traffic flow profiles
Traffic flow (veh/hr)
1
0.5
0
-0.5
-1
10000
10500
11000
11500
12000
12500
13000
Distance (m)
Car flowrate (veh/hr) along route "one" at 399.9973 sec
Lcv flowrate (veh/hr) along route "one" at 399.9973 sec
Hgv flowrate (veh/hr) along route "one" at 399.9973 sec
Total flowrate (veh/hr) along route "one" at 399.9973 sec


Traffic density profiles
Traffic density (veh/km)
1
0.5
0
-0.5
-1
10000
10500
11000
11500
12000
12500
13000
Distance (m)
Car density (veh/km) along route "one" at 399.9973 sec
Lcv density (veh/km) along route "one" at 399.9973 sec
Hgv density (veh/km) along route "one" at 399.9973 sec
Total density (veh/km) along route "one" at 399.9973 sec
Total density (veh/km) along route "two" at 399.9973 sec
Total density (veh/km) along route "three" at 399.9973 sec

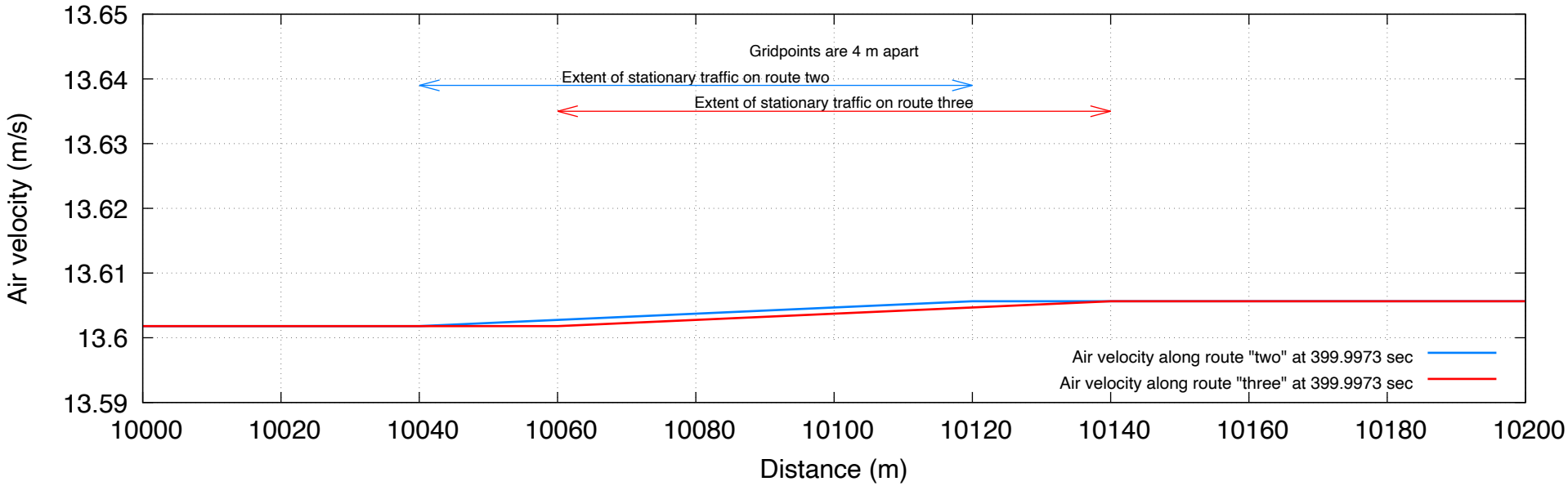

Air velocity along route "one" at 399.9973 sec
Air velocity (m/s)
5.5652
5.565
5.5648
5.5646
5.5644
5.5642
5.564
10000
10500
11000
11500
12000
12500
13000
Distance (m)

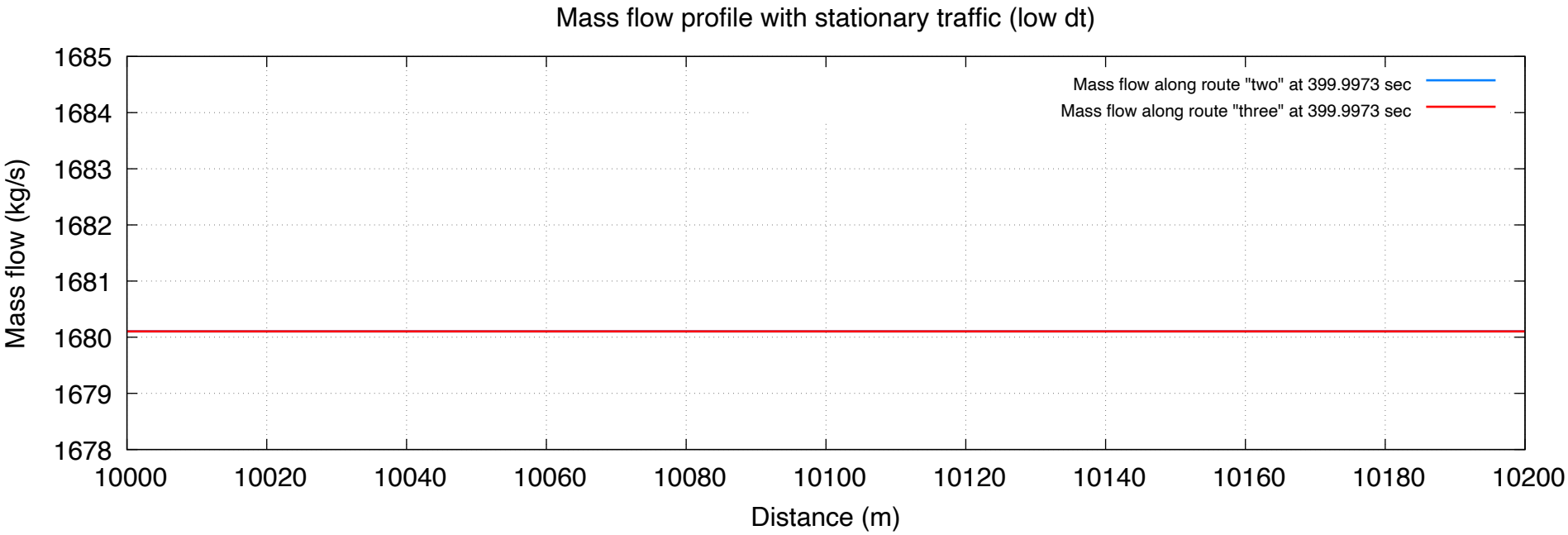

Mass flow along route "one" at 399.9973 sec
Mass flow (kg/s)
687.7225571
687.7225571
687.7225570
687.7225570
687.7225569
687.7225569
687.7225568
687.7225567
687.7225567
10000
10020
10040
10060
10080
10100
10120
10140
10160
10180
10200
Distance (m)

Air pressure profile with stationary traffic (tiny dt)



Air velocity profile with stationary traffic (tiny dt)




Mass flow profile with stationary traffic (low dt)
Mass flow along route "two" at 399.9973 sec
Mass flow along route "three" at 399.9973 sec
Mass flow (kg/s)
1685
1684
1683
1682
1681
1680
1679
1678
10000
10020
10040
10060
10080
10100
10120
10140
10160
10180
10200
Distance (m)