## Relative Velocity Timeseries ID1 **Normal Driving** Coached Constant Time Headway Instructed Velocity Matching Instructed Dynamic Time Headway Relative velocity (m/s) **Coached Velocity Matching** Coach Dynamic Time Headway **Constant Time Headway** Ghost 48000 48500 49000 49500 50000 51000 50500 +1.6025e9 Time ID2 **Normal Driving** Coached Constant Time Headway Instructed Velocity Matching Instructed Dynamic Time Headway Relative velocity (m/s) **Coached Velocity Matching** Coach Dynamic Time Headway **Constant Time Headway** Ghost 4000 4500 5000 5500 3500 6000 6500 +1.60261e9 Time ID3 Normal Driving Coached Constant Time Headway Instructed Velocity Matching Instructed Dynamic Time Headway Relative velocity (m/s) **Coached Velocity Matching** Coach Dynamic Time Headway **Constant Time Headway** Ghost 47000 47500 48000 48500 49000 49500 50000 +1.6025e9Time ID4 10 **Normal Driving** Coached Constant Time Headway Instructed Dynamic Time Headway Instructed Velocity Matching Relative velocity (m/s) Coach Dynamic Time Headway **Coached Velocity Matching Constant Time Headway** Ghost 3500 4000 4500 5000 5500 6000 6500 +1.60282e9 Time ID5 10 **Normal Driving Coached Constant Time Headway** Instructed Velocity Matching Instructed Dynamic Time Headway Coached Velocity Matching Coach Dynamic Time Headway **Constant Time Headway** Ghost Relative veloc 2500 2000 3000 3500 4000 4500 +1.60289e9 Time ID6 **Normal Driving** Coached Constant Time Headway Instructed Velocity Matching Instructed Dynamic Time Headway Relative velocity (m/s) Coach Dynamic Time Headway **Coached Velocity Matching Constant Time Headway** Ghost -62000 2500 3000 3500 4000 4500 +1.60289e9 Time