

Unnamed Report

Euro NCAP | Frontal-Impact against MPDB with 50 % Overlap at 50/50 km/h
v1 | v2 | v3

Report Status

	v1	v2	v3
Overall	OK	OK	OK
Driver	OK	OK	OK
Head & Neck	OK	OK	OK
Head	OK	OK	OK
HIC 15	OK	OK	OK
Head a3ms	OK	OK	OK
Modifier for Brain Injury - DAMAGE	OK	OK	OK
Modifier for Unstable Airbag Contact	OK	OK	OK
Modifier for Hazardous Airbag Deployment	OK	OK	OK
Modifier for Incorrect Airbag Deployment	OK	OK	OK
Modifier for Displacement of Steering Column	OK	OK	OK
Neck	OK	OK	OK
Neck My extension	OK	OK	OK
Neck Fz tension	OK	OK	OK
Neck Fx shear	OK	OK	OK
Chest and Abdomen	OK	OK	OK
Chest	OK	OK	OK
Chest Compression	OK	OK	OK
Modifier Shoulder Belt Load	OK	OK	OK

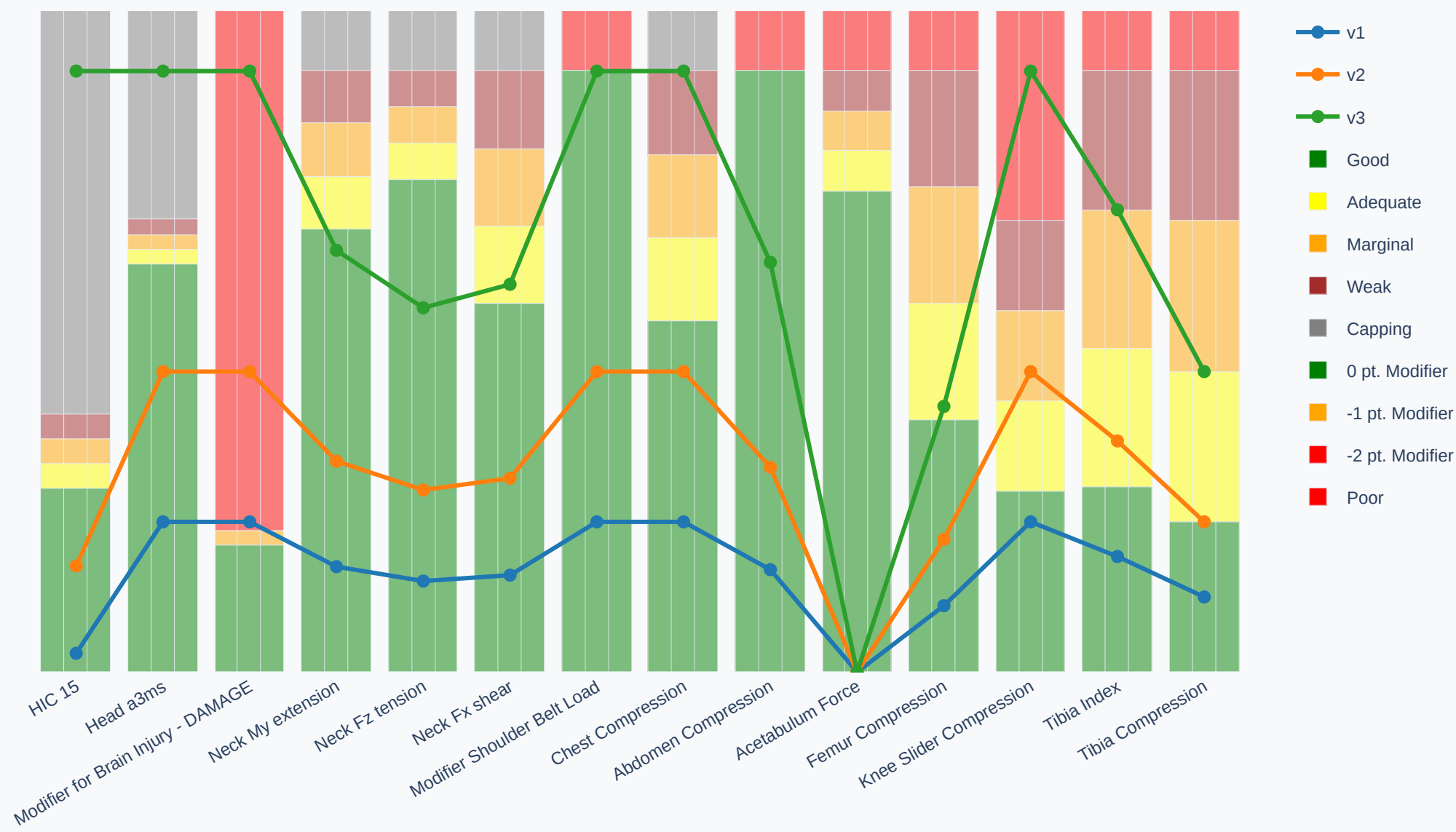
Manual Inputs

	Default	Source	v1	v2	v3
p_driver	'1'	test report	'1'	'1'	'1'
p_passenger	'3'	test report	'3'	'3'	'3'
steering_wheel_airbag_exists	True	test report	True	True	True
hard_contact	True	video	True	True	True (user)
unstable_airbag_contact	False	video	False	False	False
hazardous_airbag_deployment	False	video	False	False	False
incorrect_airbag_deployment	False	video	False	False	False
displacement_steering_column_lateral	0.0 mm	measurement	0.0 mm	0.0 mm	0.0 mm
displacement_steering_column_rearwards	0.0 mm	measurement	0.0 mm	0.0 mm	0.0 mm
displacement_steering_column_upwards	0.0 mm	measurement	0.0 mm	0.0 mm	0.0 mm
steering_wheel_contact	False	video	False	False	False
displacement_a_pillar	0.0 mm	measurement	0.0 mm	0.0 mm	0.0 mm
compartment_integrity_compromised	False	test report	False	False	False
submarining	False	video	False	False	False
variable_contact_left	False	knee mapping	False	False	False
variable_contact_right	False	knee mapping	False	False	False
concentrated_loading_left	False	knee mapping	False	False	False
concentrated_loading_right	False	knee mapping	False	False	False
pedal_rearward_displacement	0 mm	measurement	0 mm	0 mm	0 mm

Rating

	v1	v2	v3
Driver	15.0	12.8	-inf
Passenger	16.0	12.2	-inf
Compatibility Modifier	0.0	0.0	-0.1
Door Opening During Impact	0.0	0.0	0.0
Overall	7.5	5.6	0.0

Driver Result



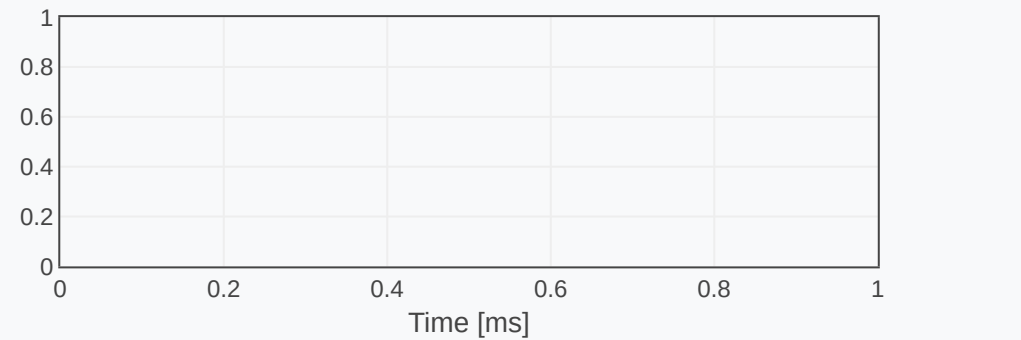
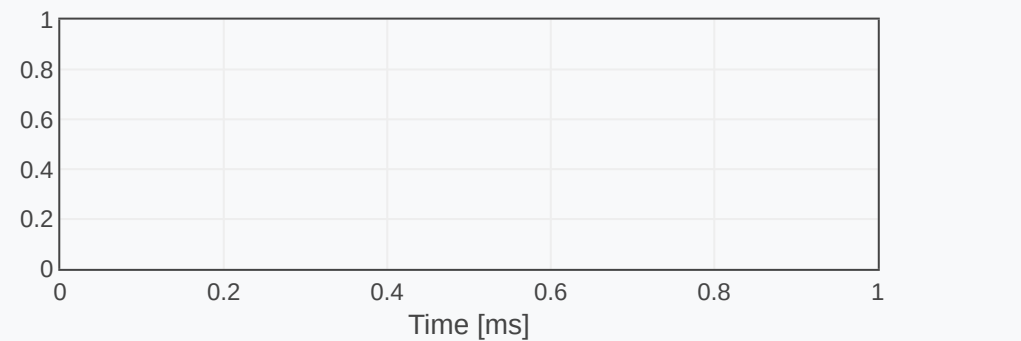
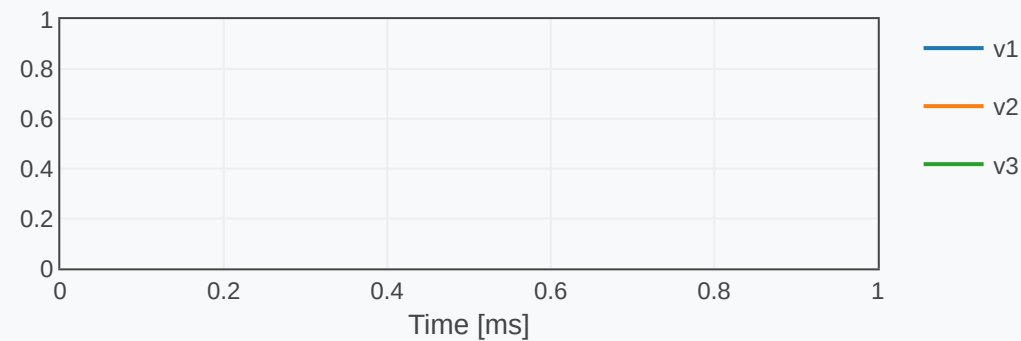
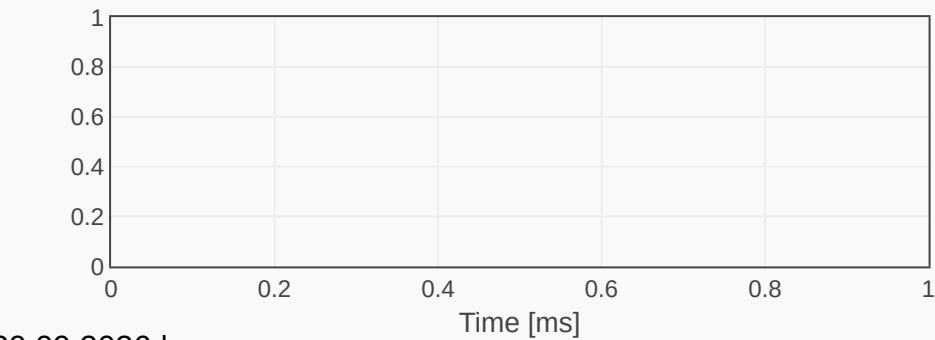
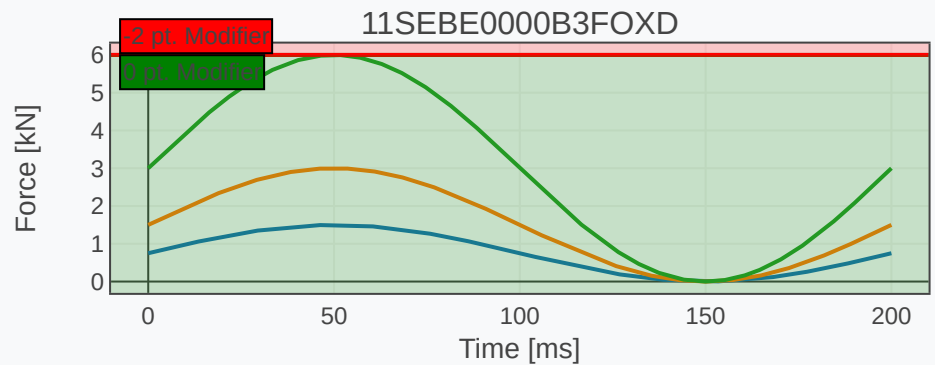
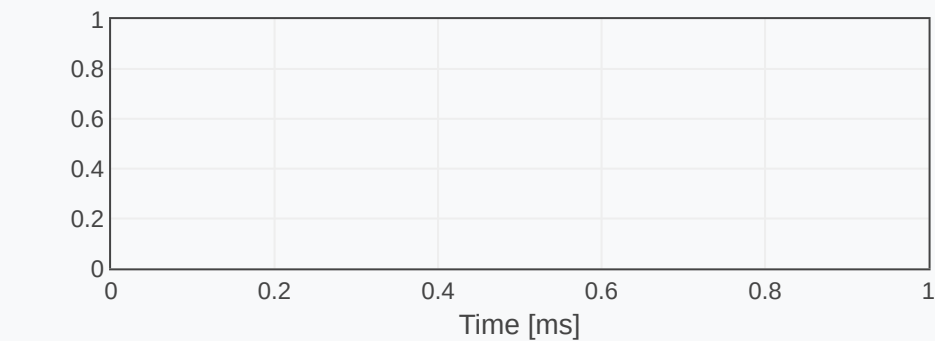
Driver Rating

	v1	v2	v3
Head & Neck	3.0	3.0	-inf
Chest and Abdomen	4.0	4.0	-2.0
Knee	4.0	2.2	0.0
Lower Leg, Foot and Ankle	4.0	3.6	1.3
Driver	15.0	12.8	-inf

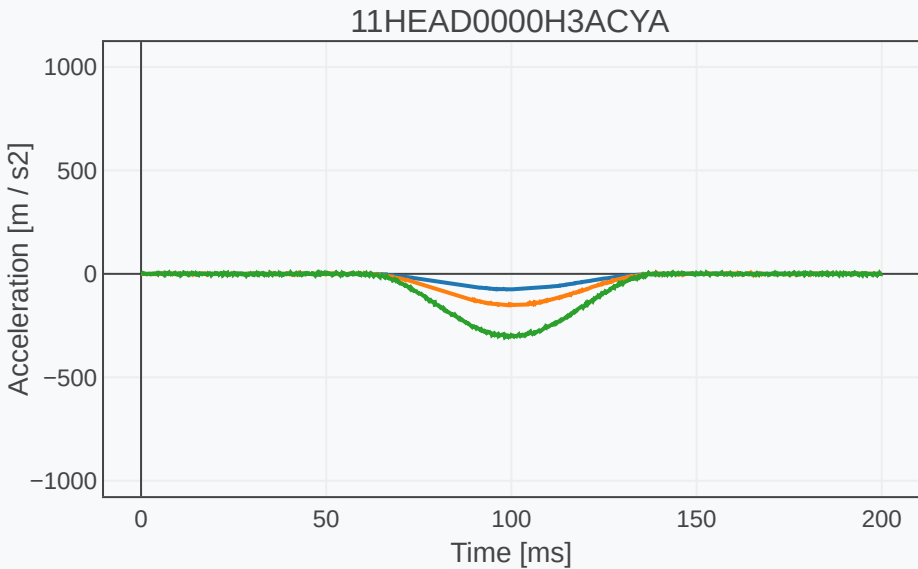
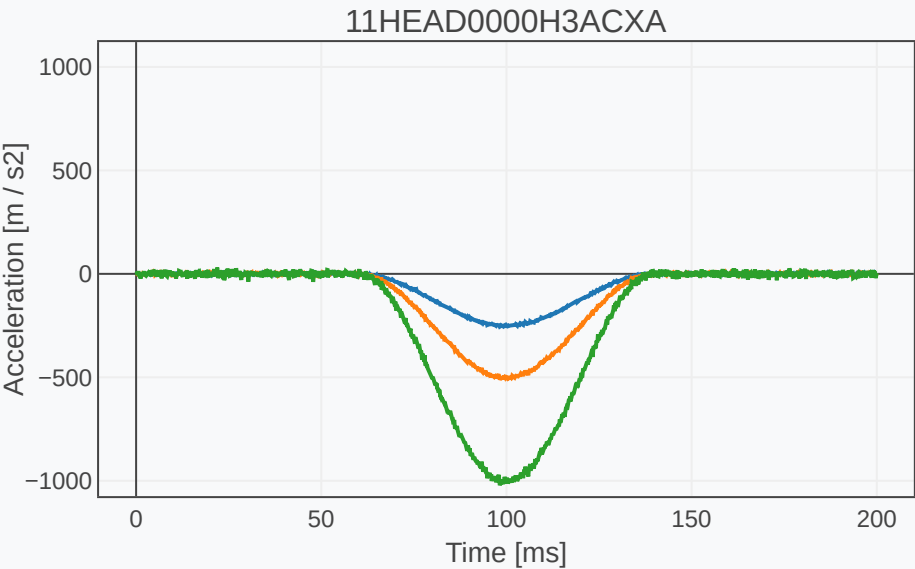
Driver Values

	v1	v2	v3
HIC 15 []	51.02	288.6	1633
Head a3ms [g0]	26.56	53.11	106.2
Modifier for Brain Injury - DAMAGE [rad / s2]	0.5	1	2
Neck My extension [N m]	-10	-20	-40
Neck Fz tension [kN]	0.5	1	2
Neck Fx shear [kN]	0.5	1	2
Modifier Shoulder Belt Load [kN]	1.5	3	6
Chest Compression [mm]	-15	-30	-60
Abdomen Compression [mm]	-15	-30	-60
Acetabulum Force [kN]	0	0	0
Femur Compression [kN]	-1	-2	-4
Knee Slider Compression [mm]	-5	-10	-20
Tibia Index []	0.25	0.5	1
Tibia Compression [kN]	-1	-2	-4

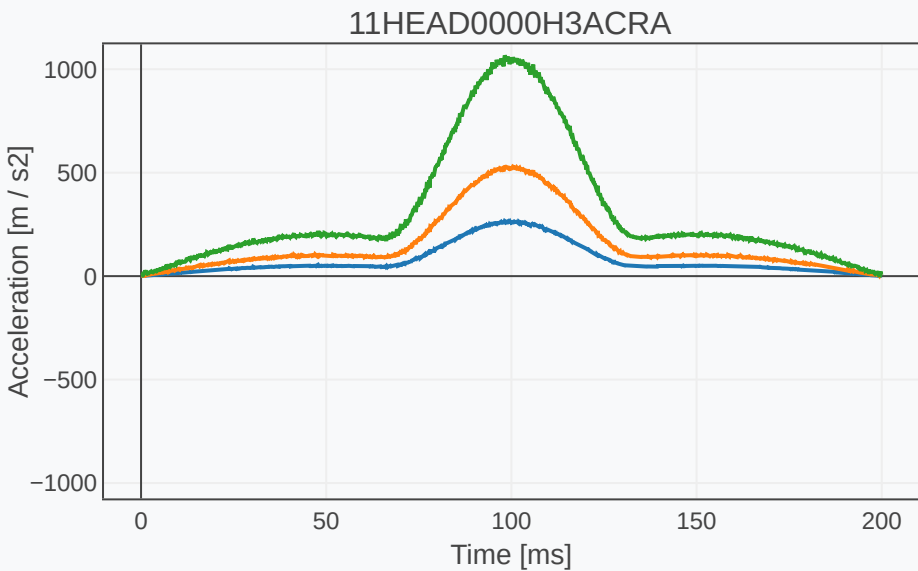
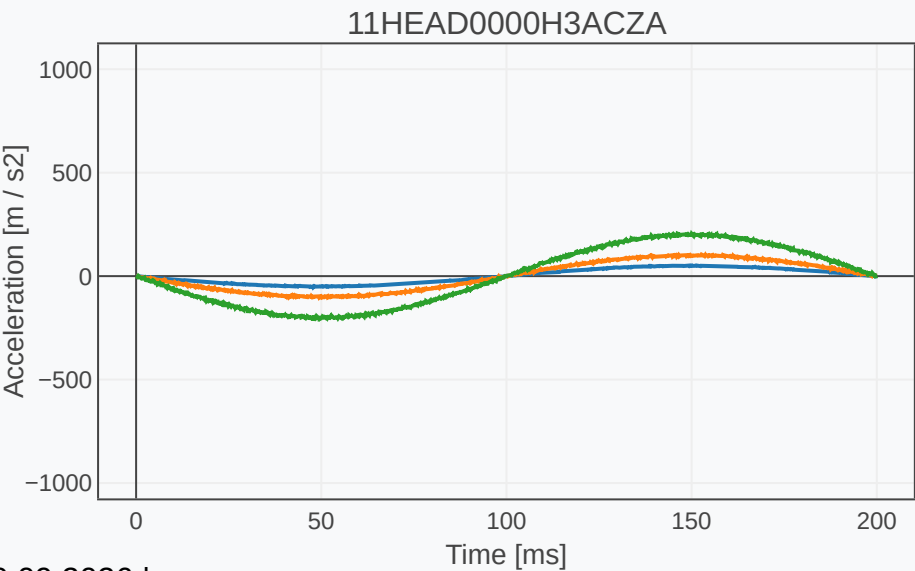
Driver Belt



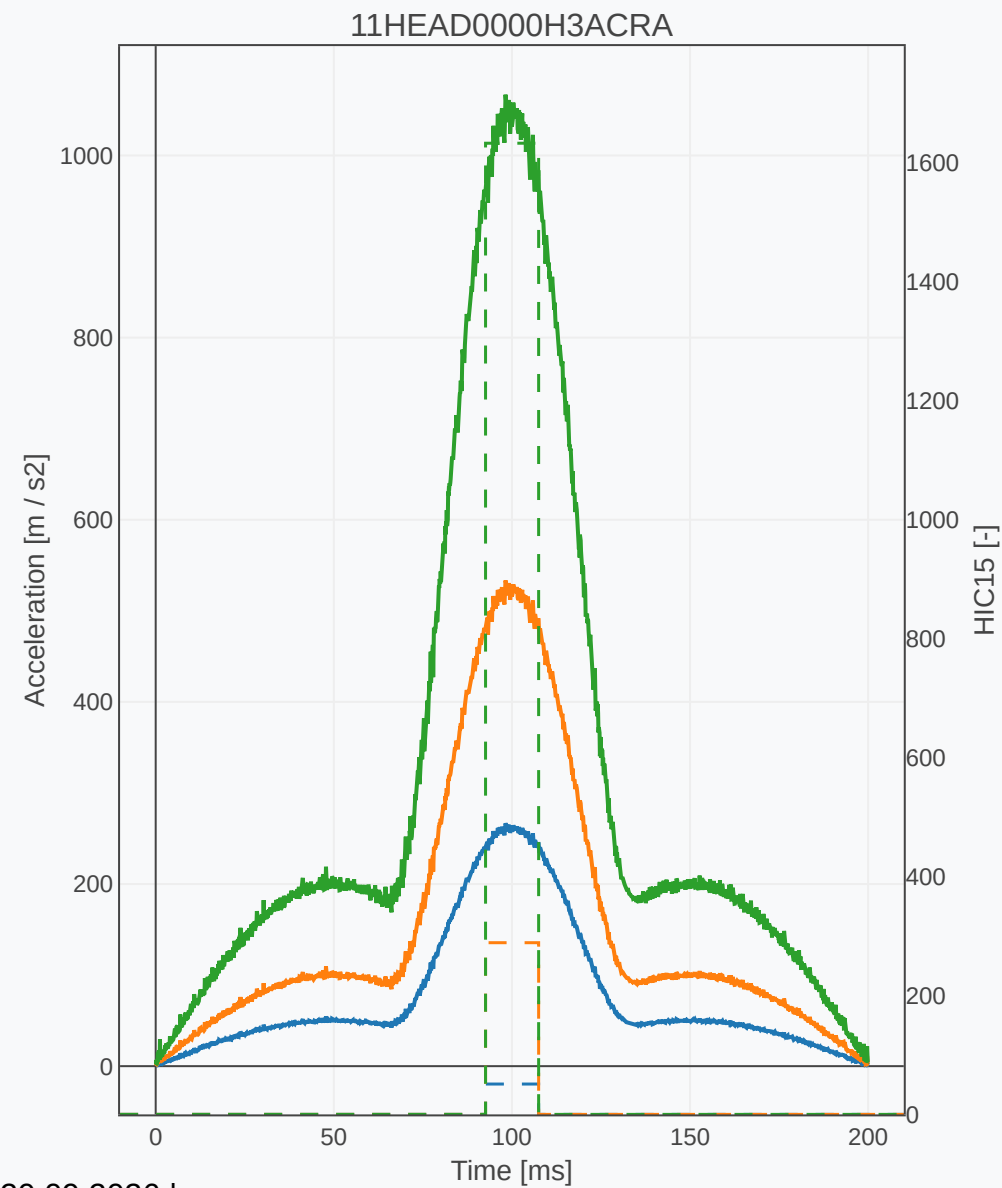
Driver Head Acceleration



v1
v2
v3



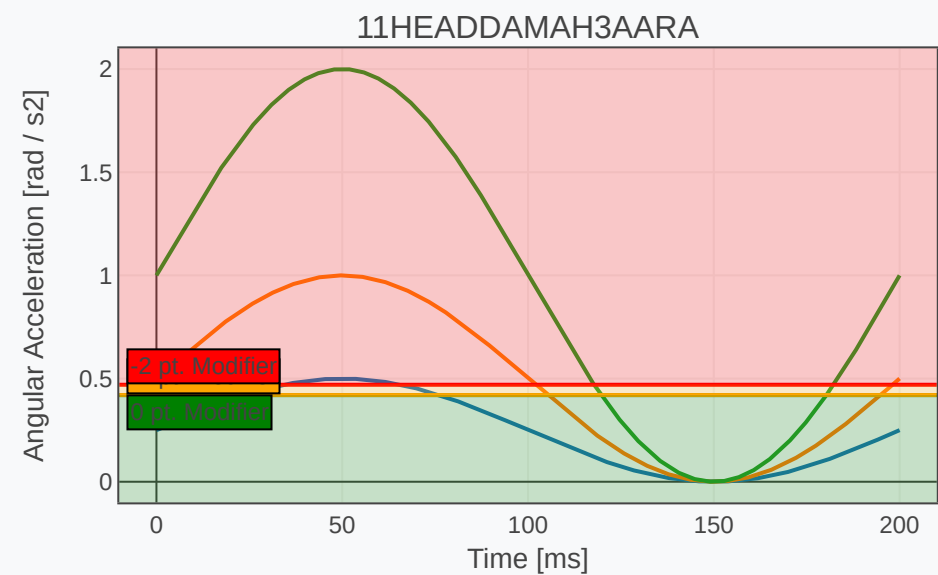
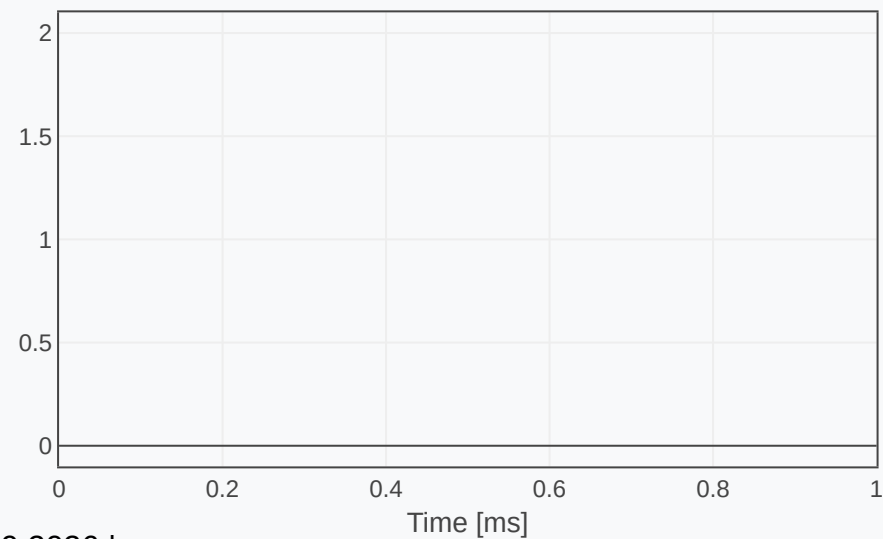
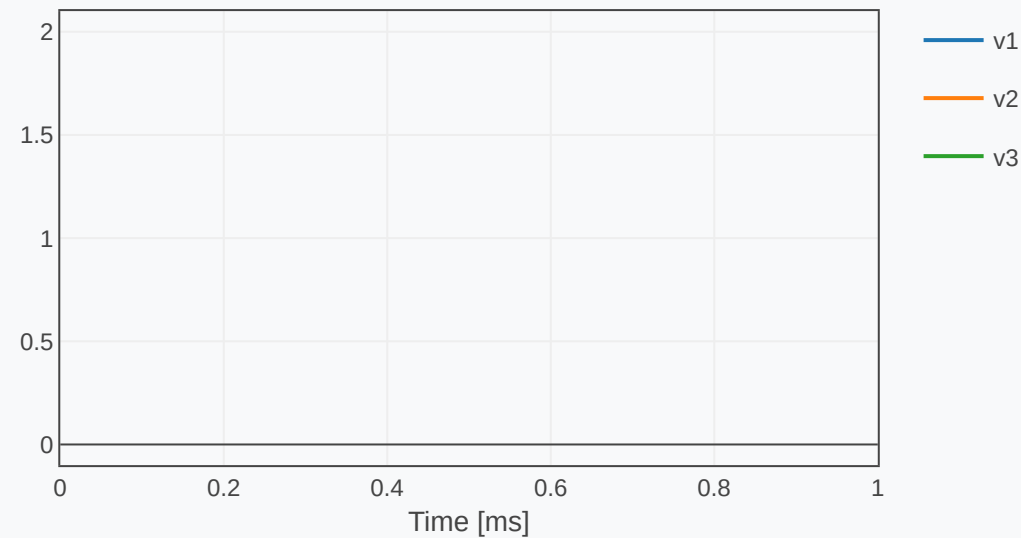
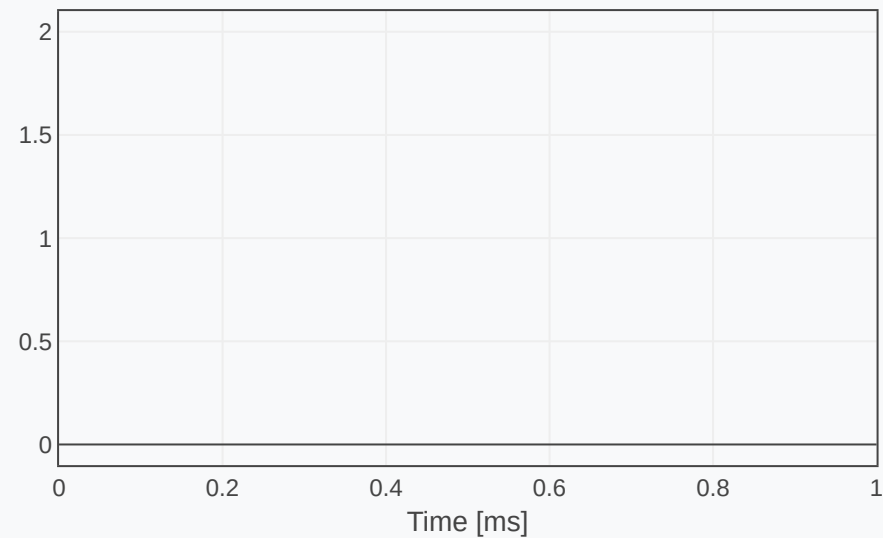
Driver HIC15



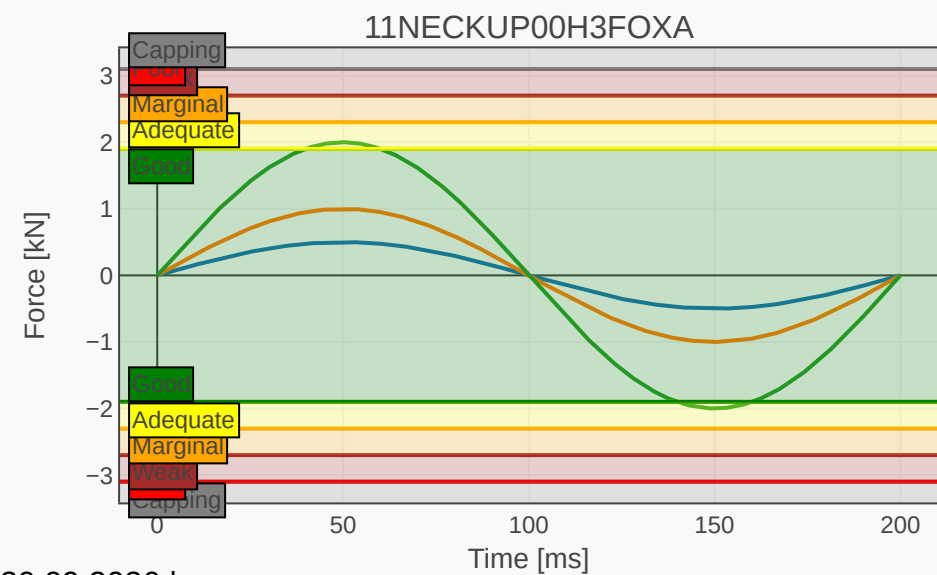
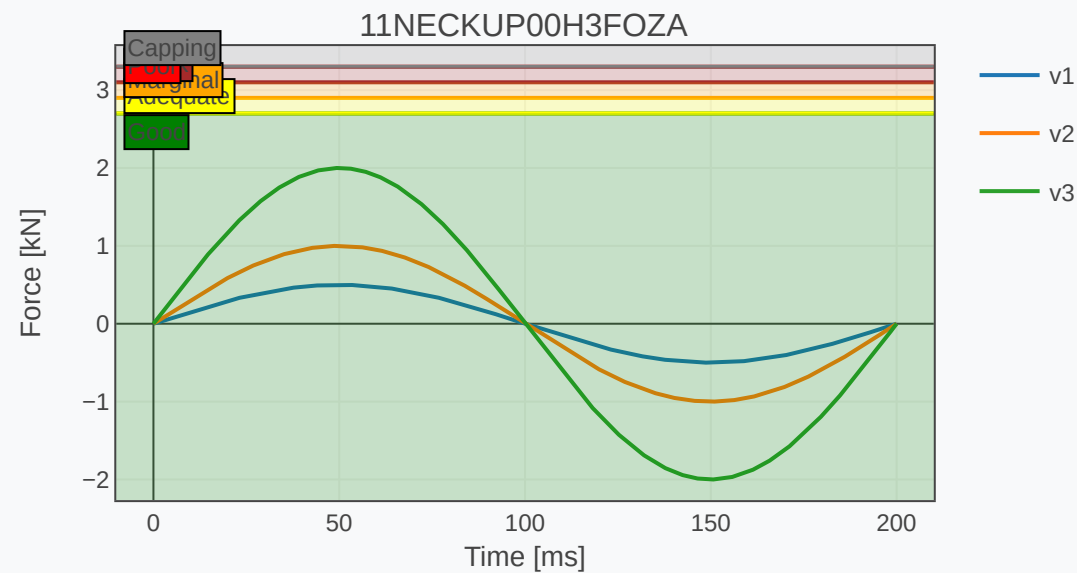
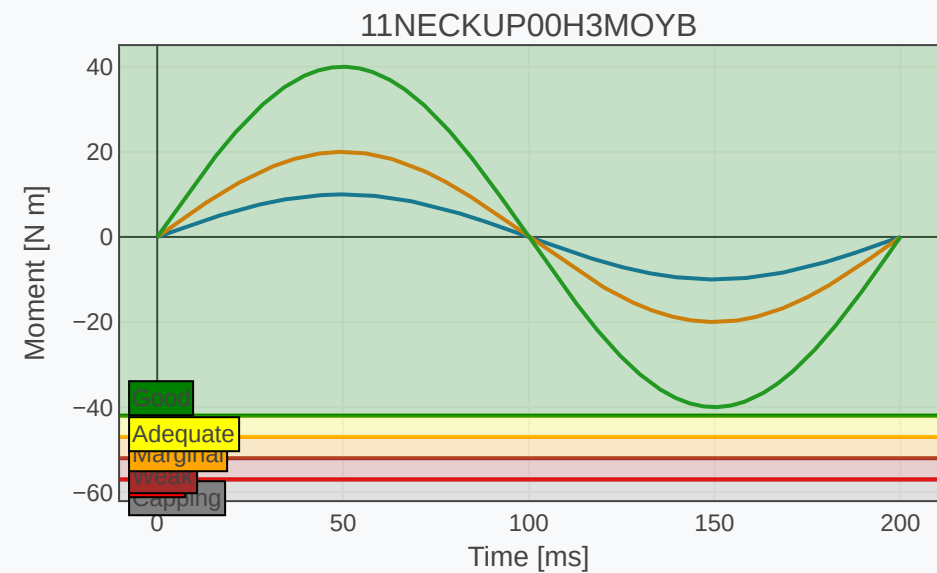
	HIC15	Start [ms]	End [ms]
v1	51.0	92.60	107.50
v2	288.6	92.60	107.50
v3	1632.6	92.60	107.50

- v1
- v2
- v3
- v1 HIC15
- v2 HIC15
- v3 HIC15

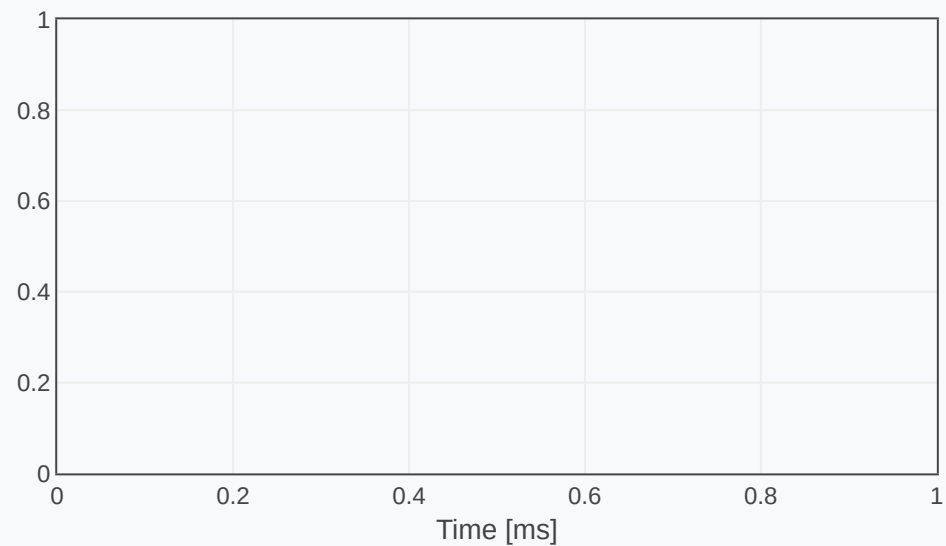
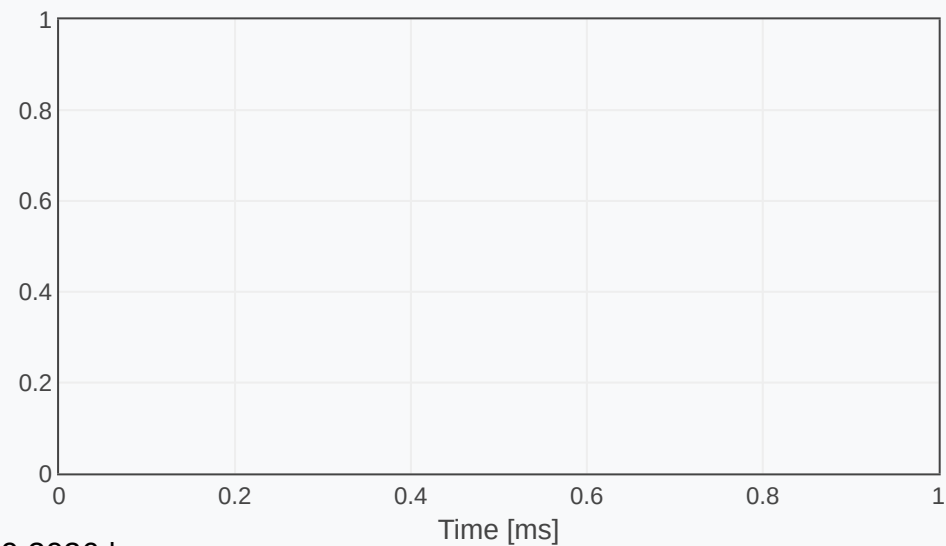
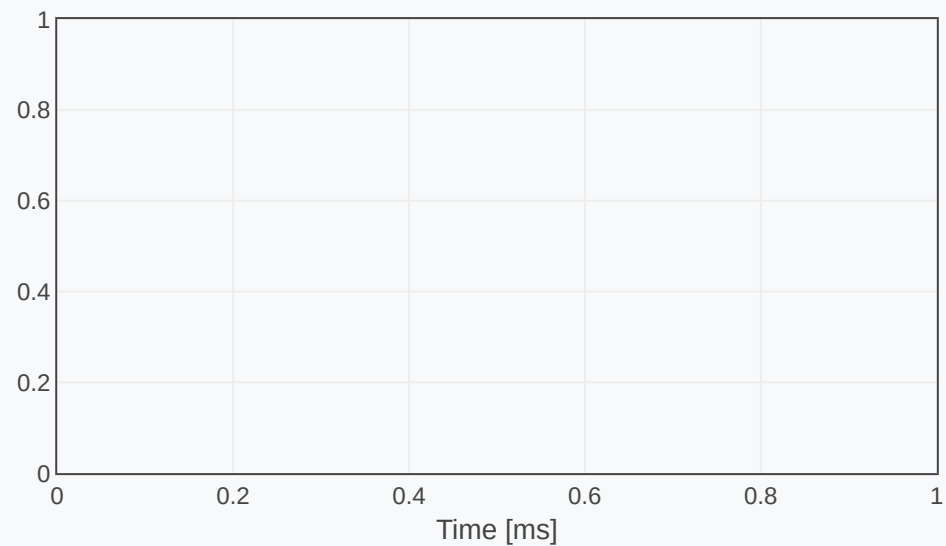
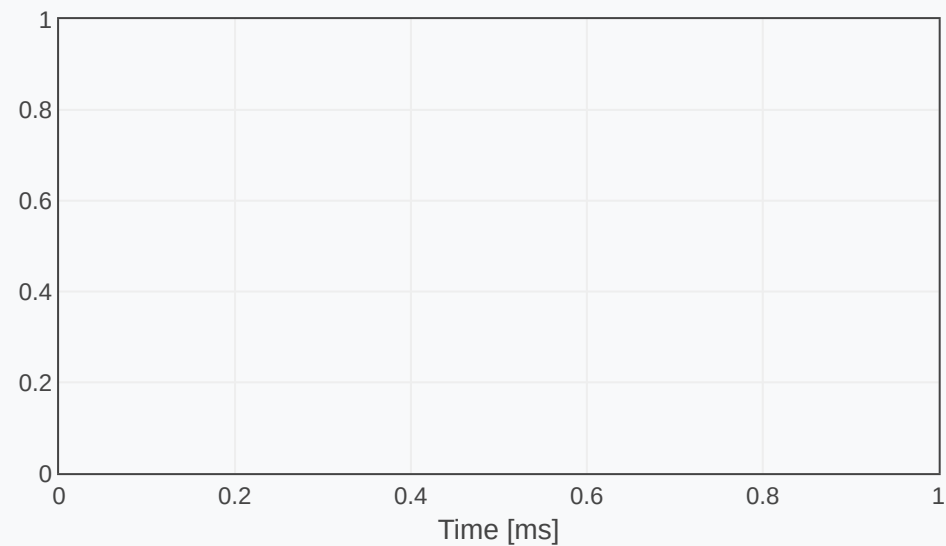
Driver Head DAMAGE



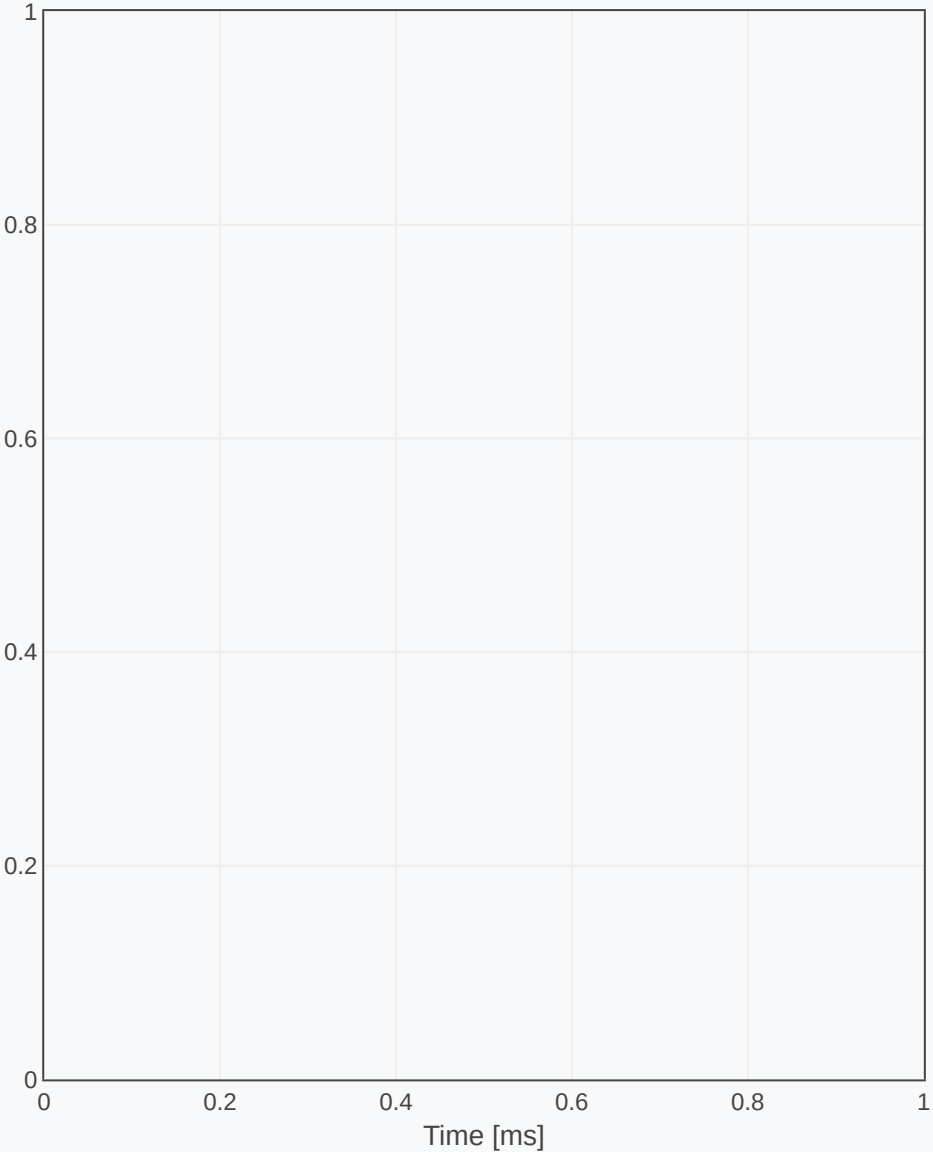
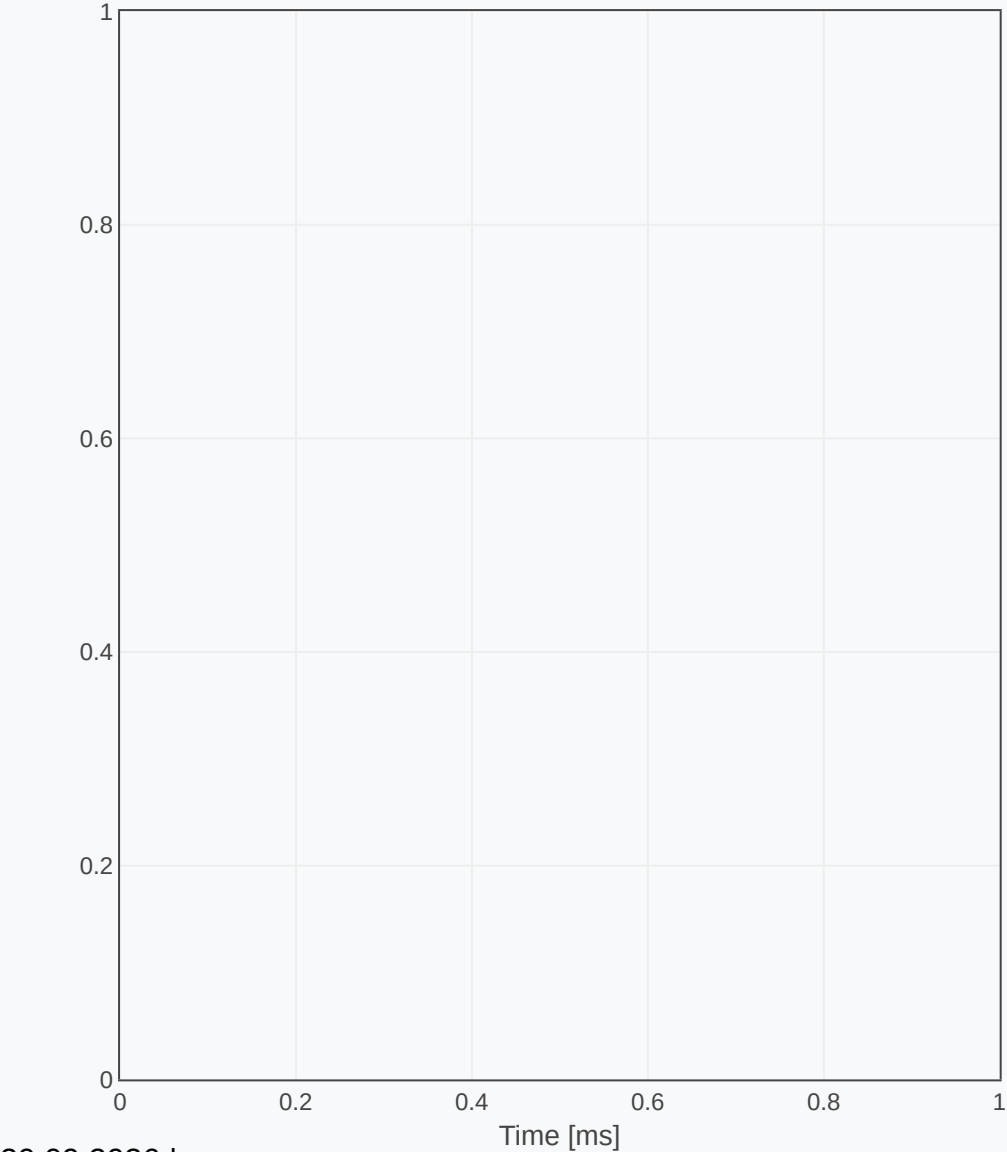
Driver Neck Load



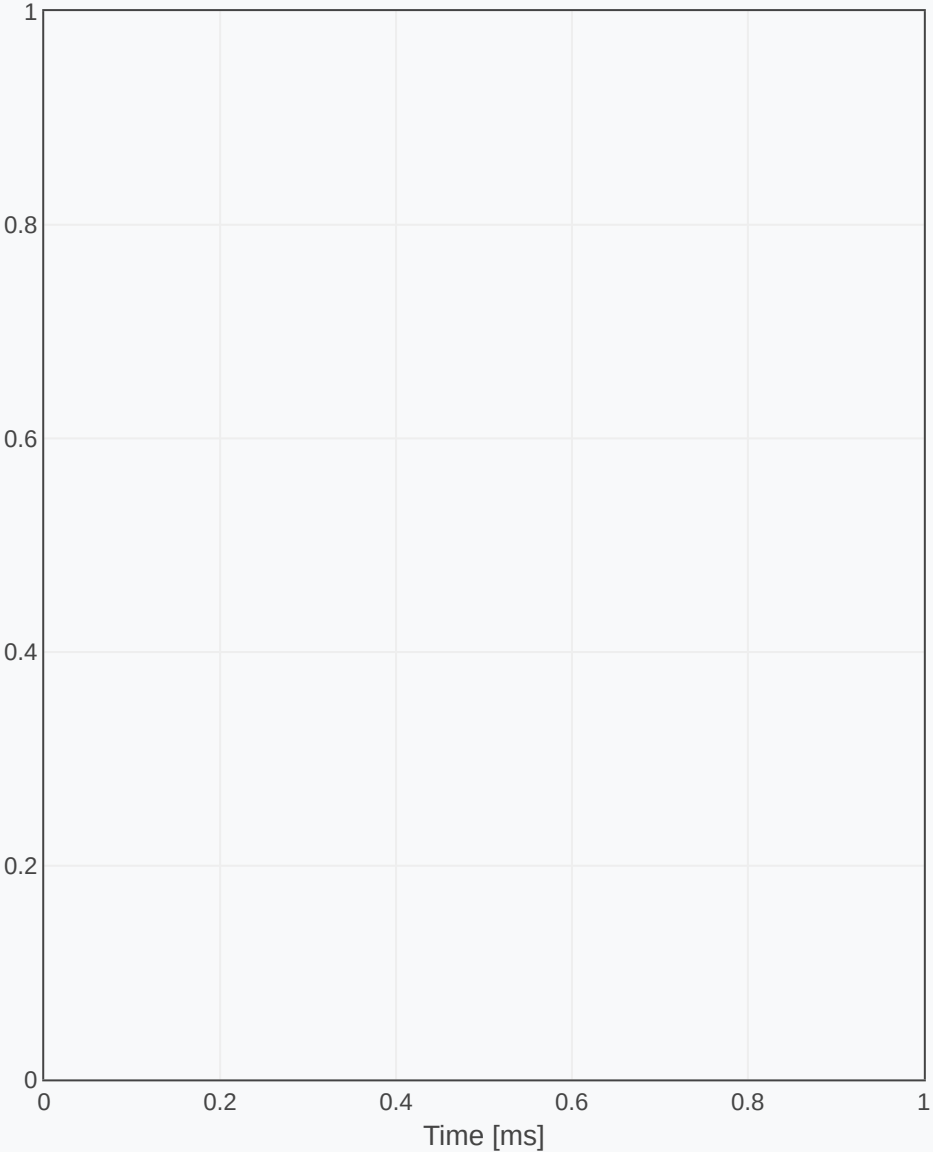
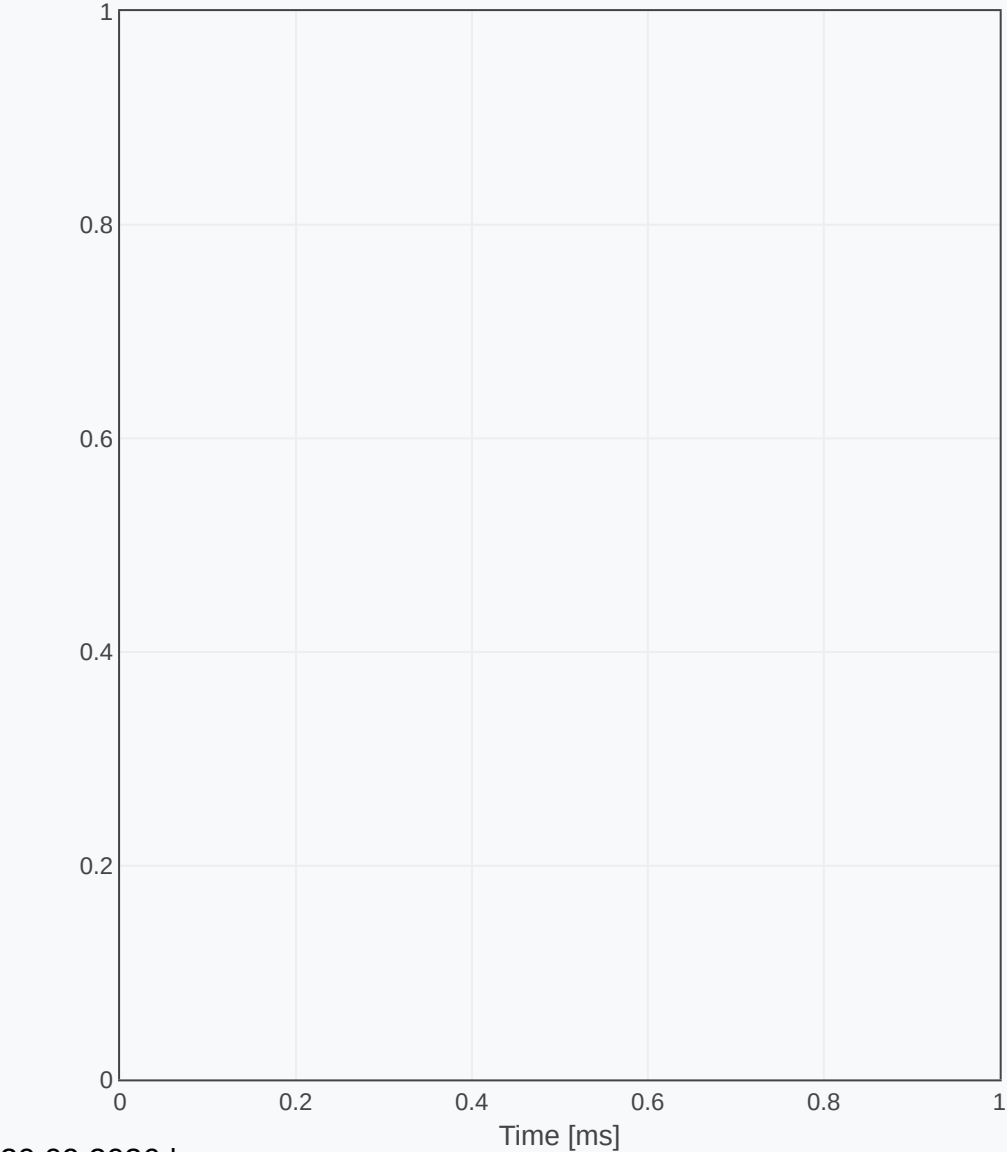
Driver Chest Compression



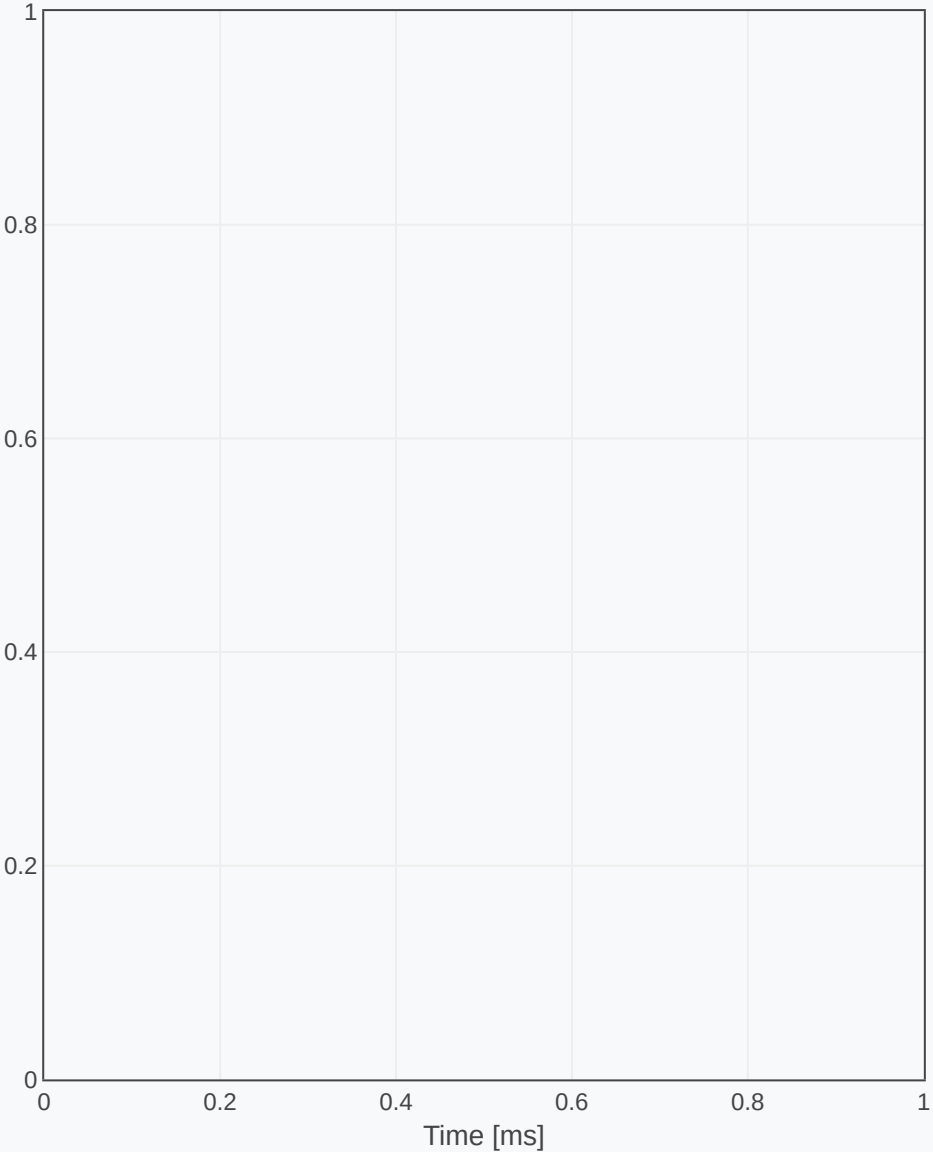
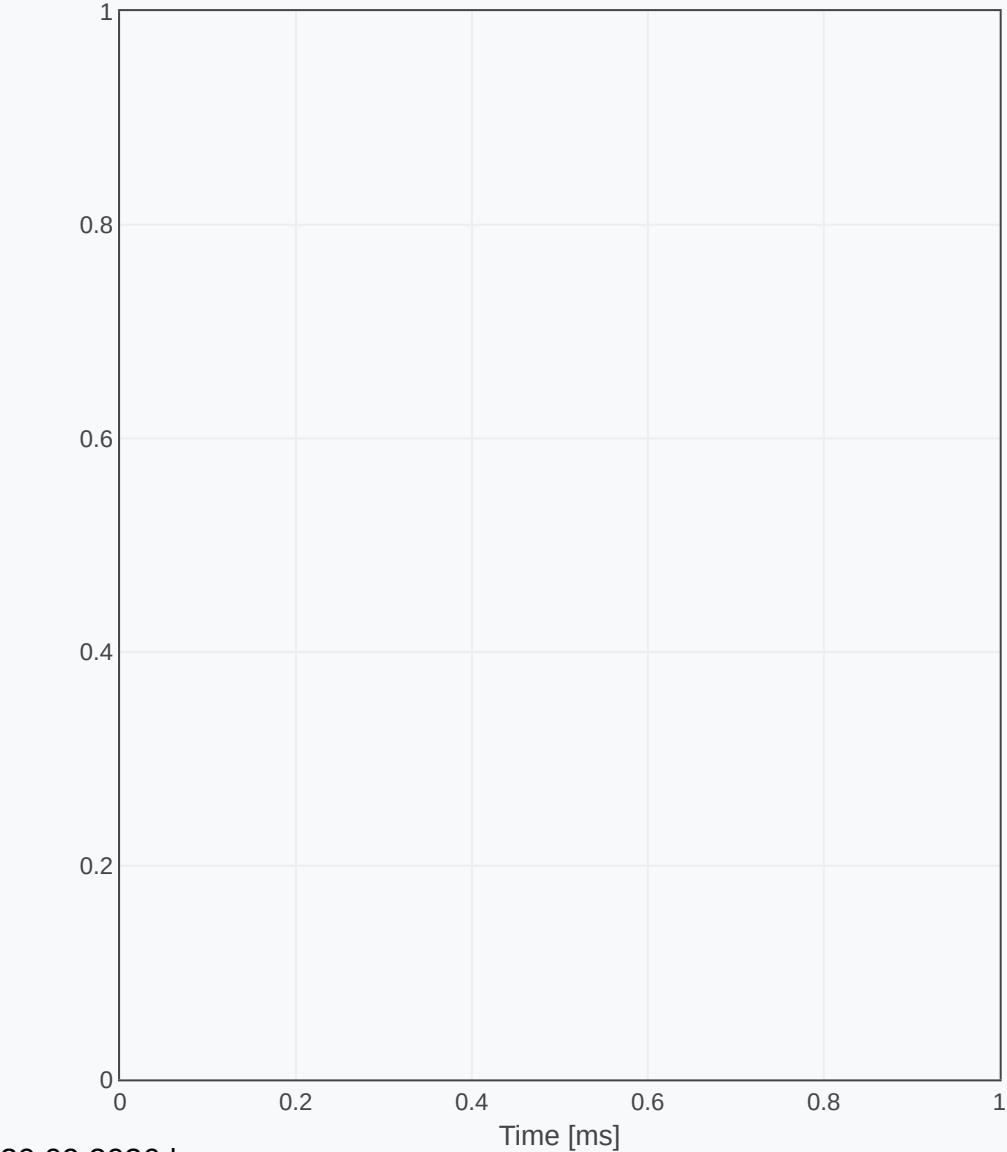
Driver Abdomen Compression



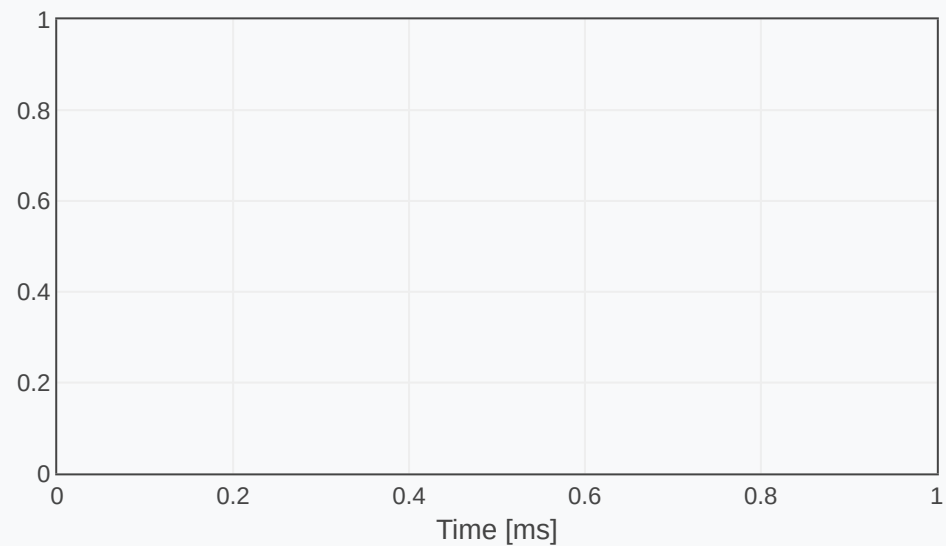
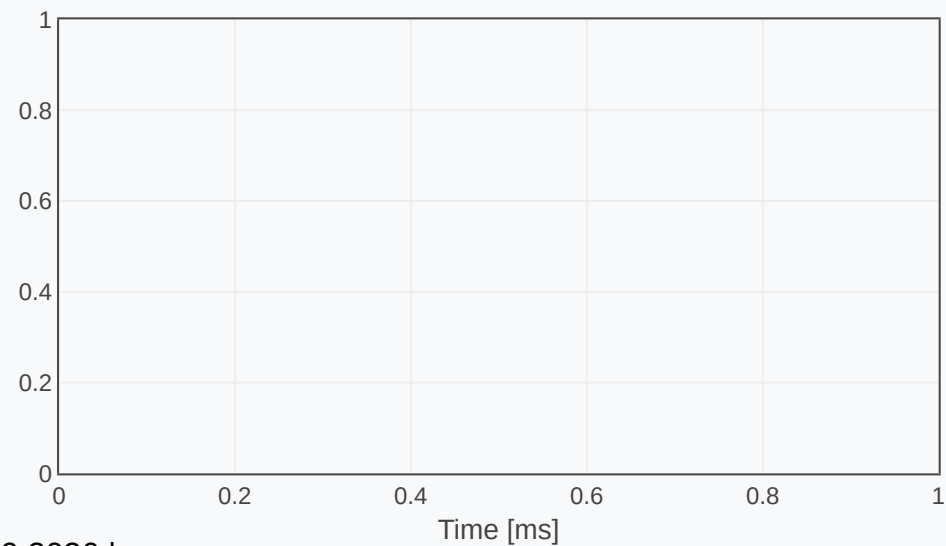
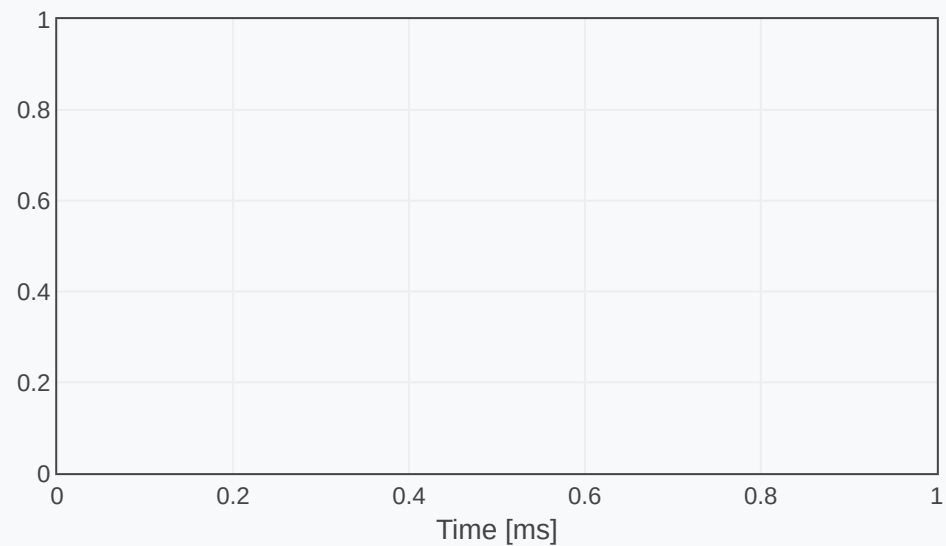
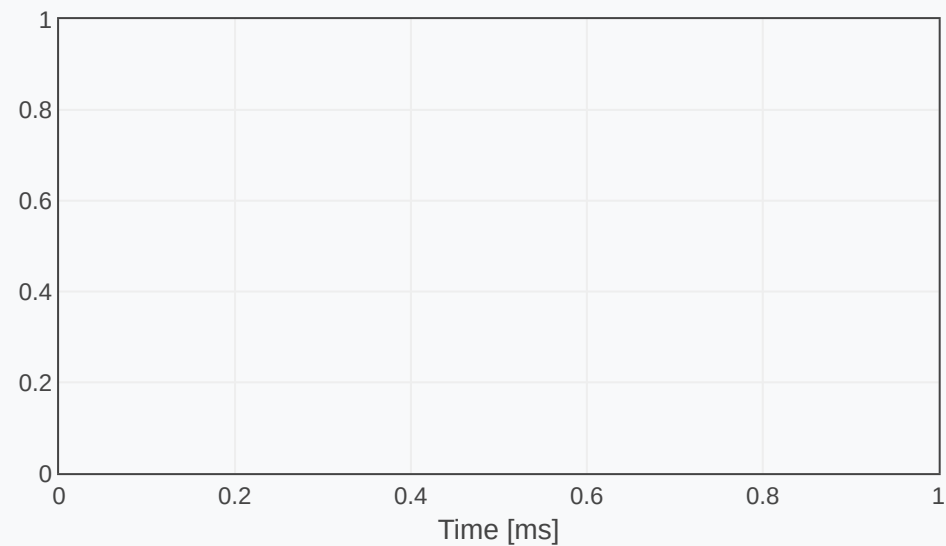
Driver Femur Axial Force



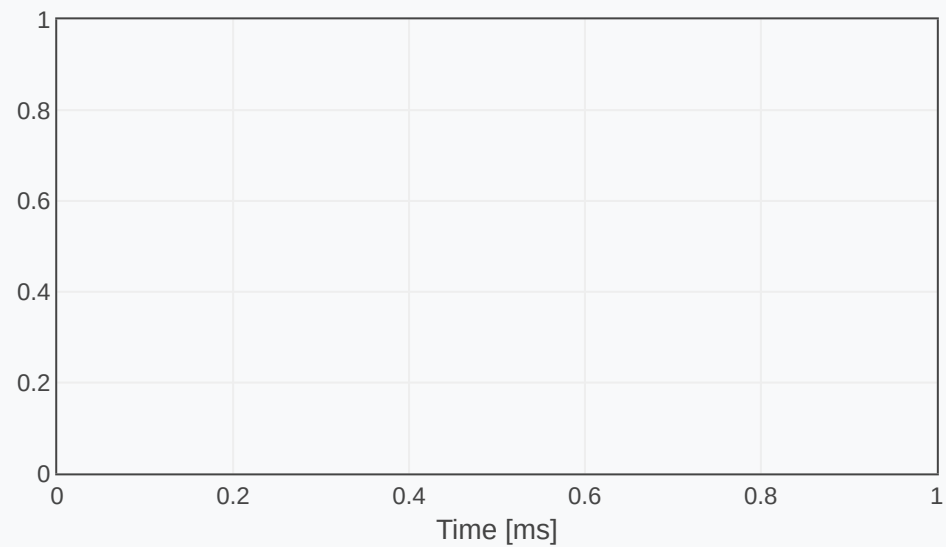
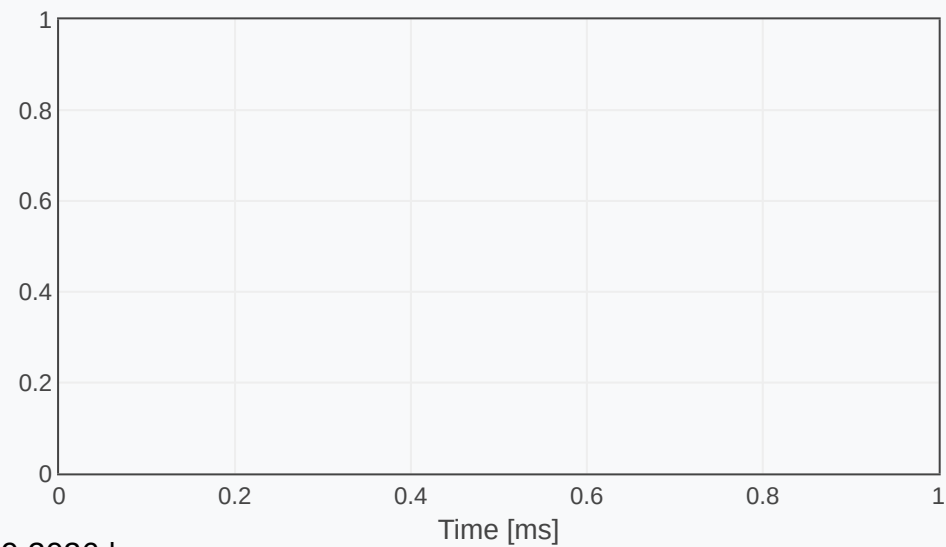
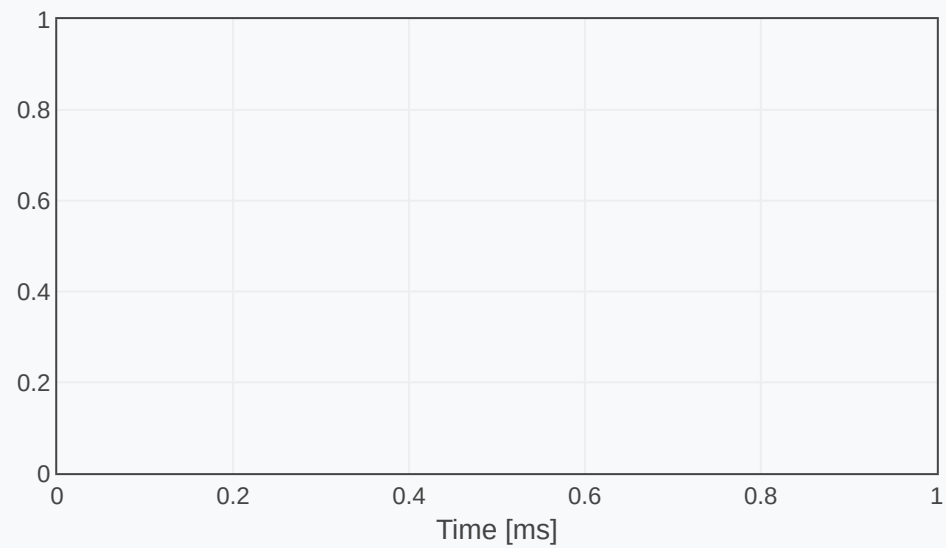
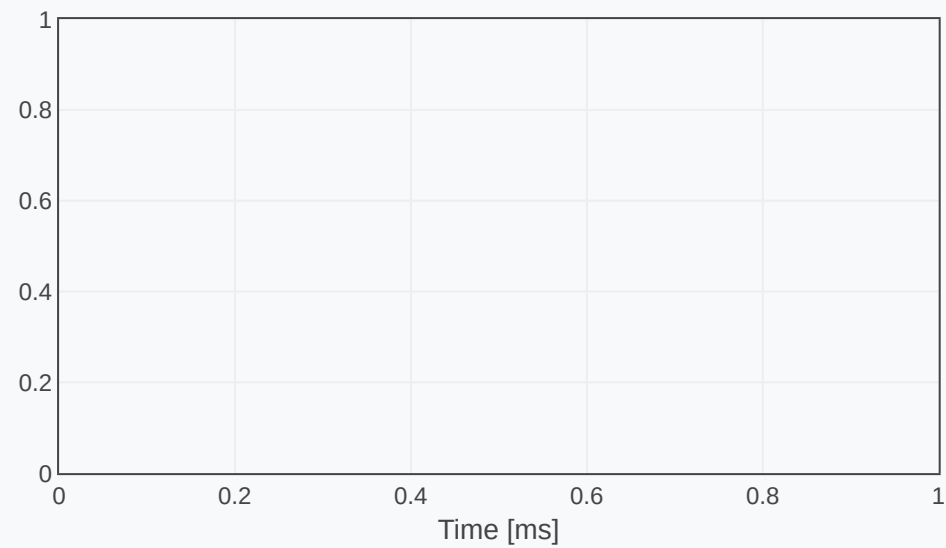
Driver Knee Slider Compression



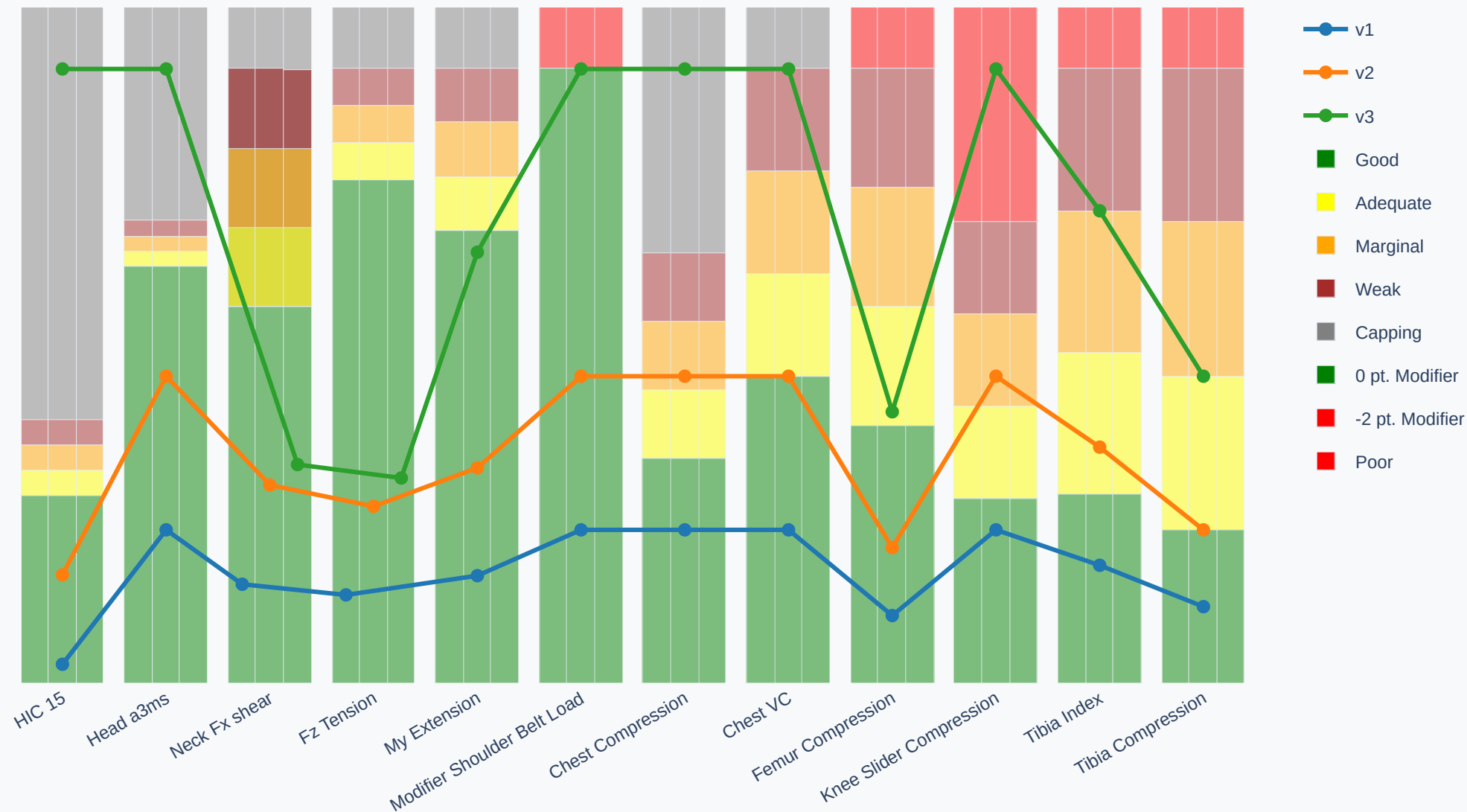
Driver Tibia Compression



Driver Tibia Index



Passenger Result



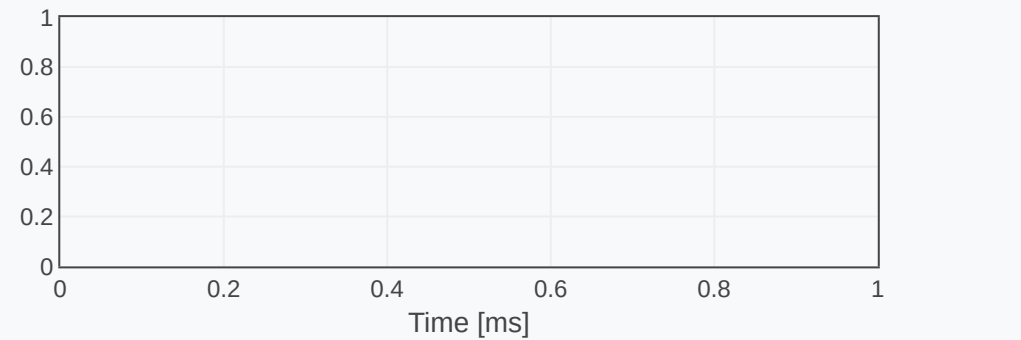
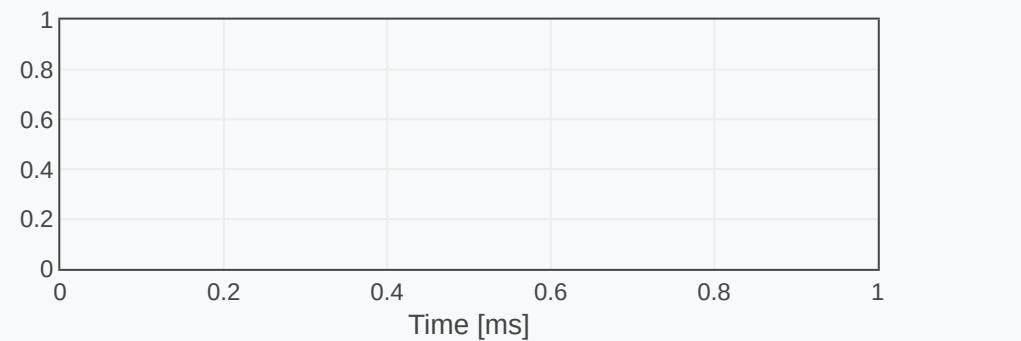
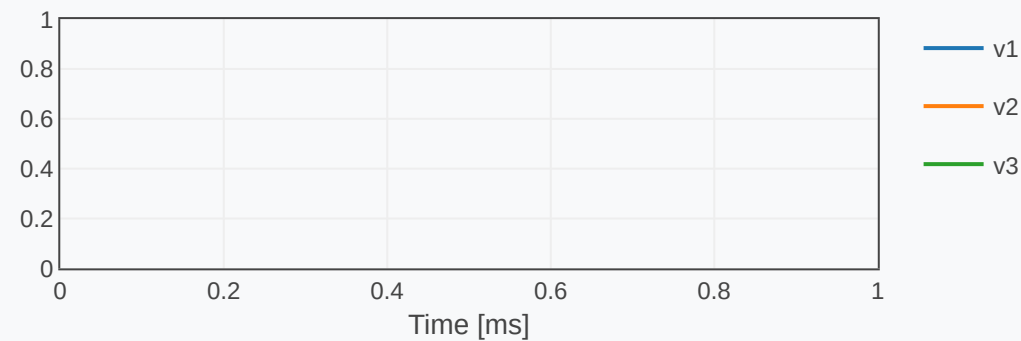
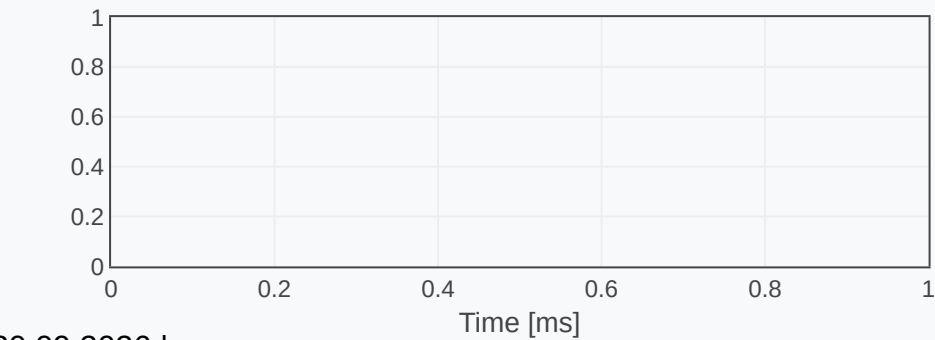
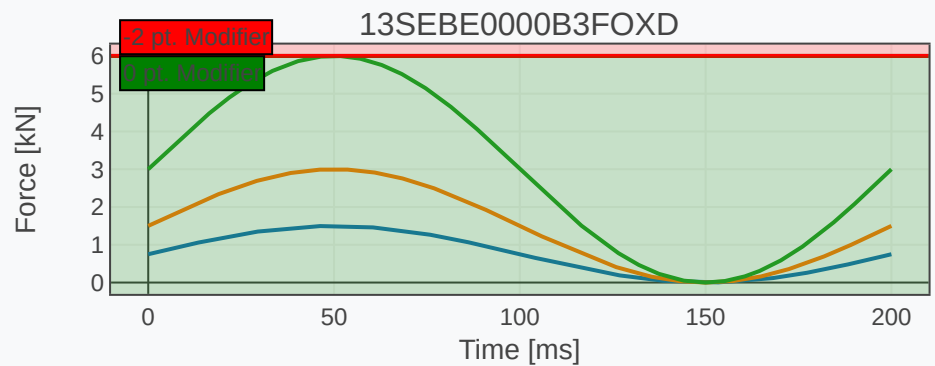
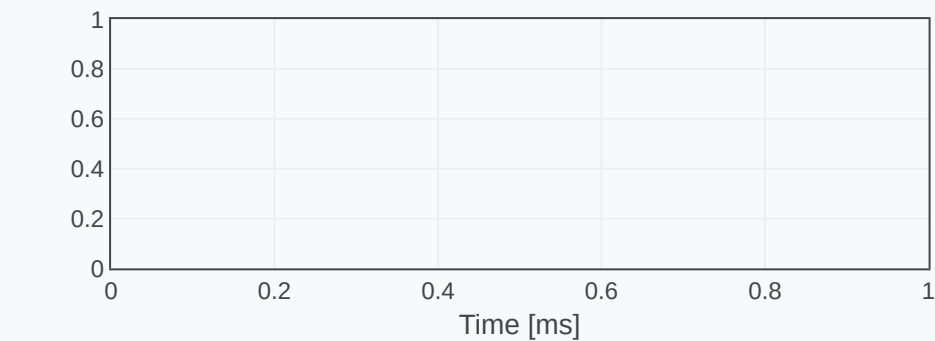
Passenger Rating

	v1	v2	v3
Head and Neck	4.0	4.0	-inf
Chest	4.0	2.4	-inf
Knee, Femur and Pelvis	4.0	2.2	0.0
Lower Leg	4.0	3.6	1.3
Passenger	16.0	12.2	-inf

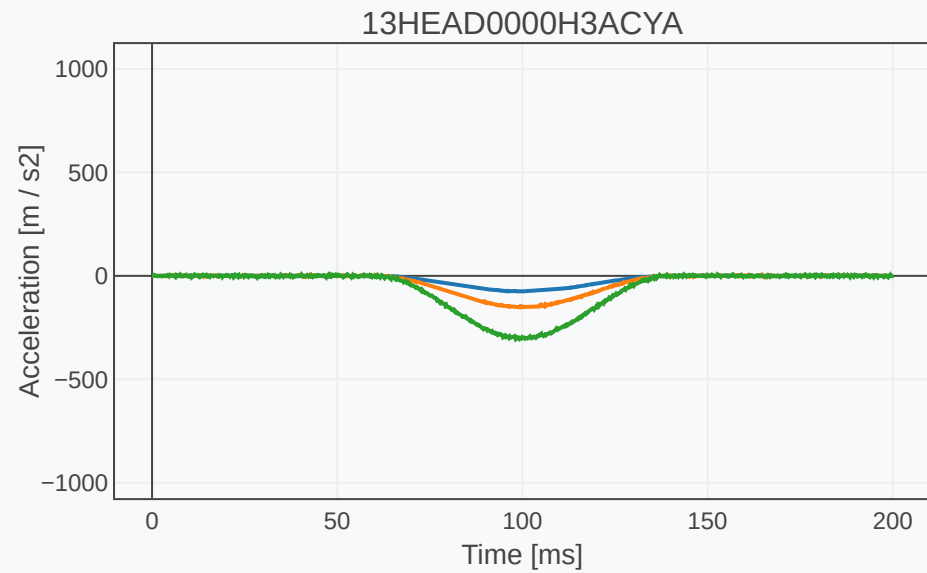
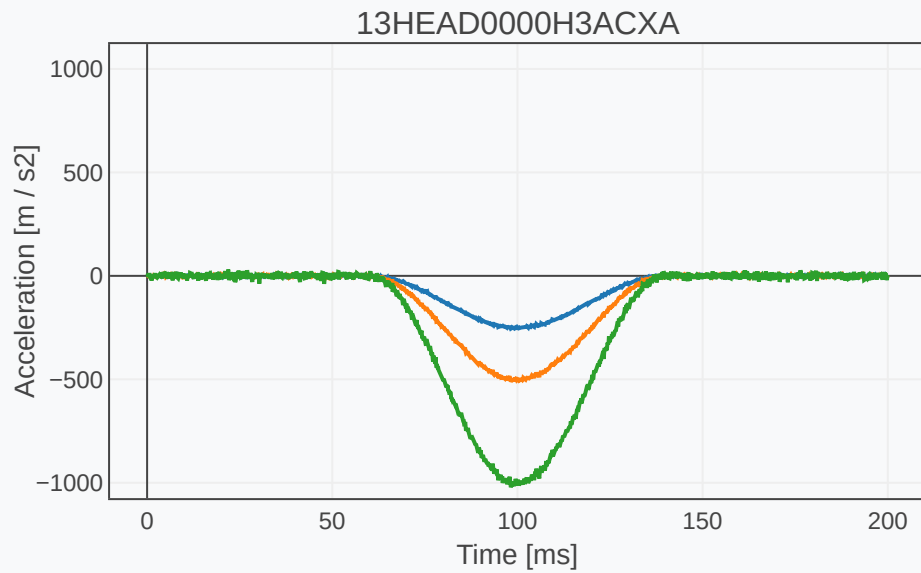
Passenger Values

	v1	v2	v3
HIC 15 []	51.02	288.6	1633
Head a3ms [g0]	26.56	53.11	106.2
Neck Fx shear [kN]	0.5	1	1.103
Fz Tension [kN]	0.4755	0.9511	1.103
My Extension [N m]	-10	-20	-40
Modifier Shoulder Belt Load [kN]	1.5	3	6
Chest Compression [mm]	-15	-30	-60
Chest VC [m / s]	0.25	0.5	1
Femur Compression [kN]	-1	-2	-4
Knee Slider Compression [mm]	-5	-10	-20
Tibia Index []	0.25	0.5	1
Tibia Compression [kN]	-1	-2	-4

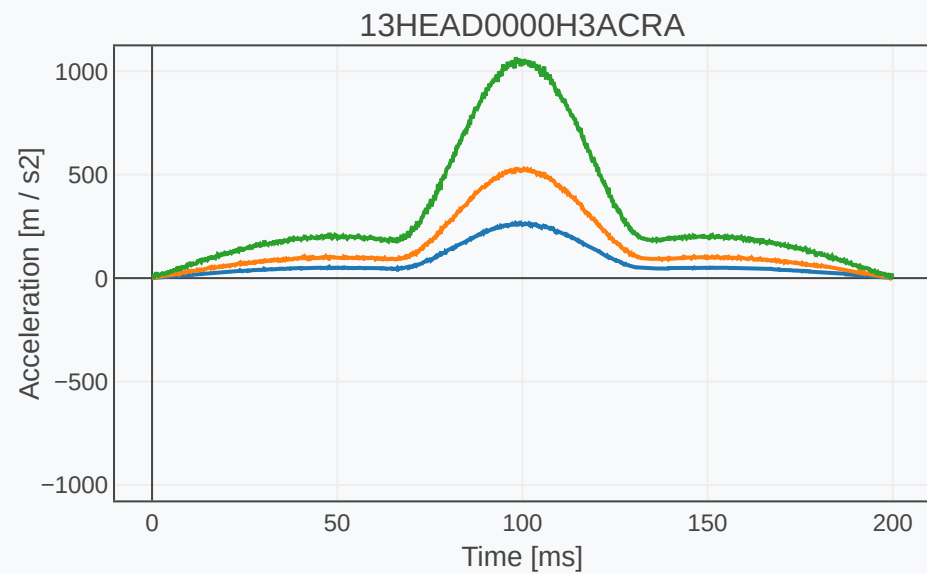
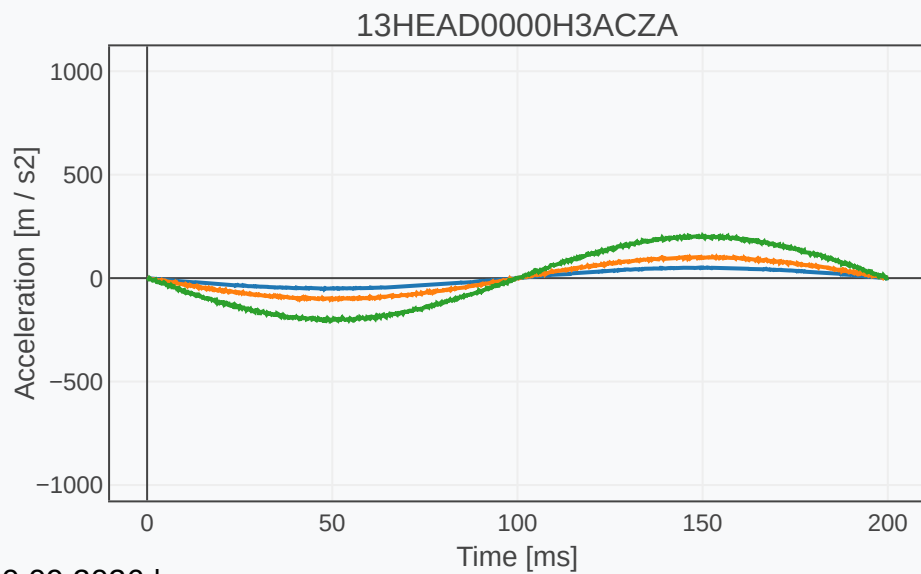
Passenger Belt



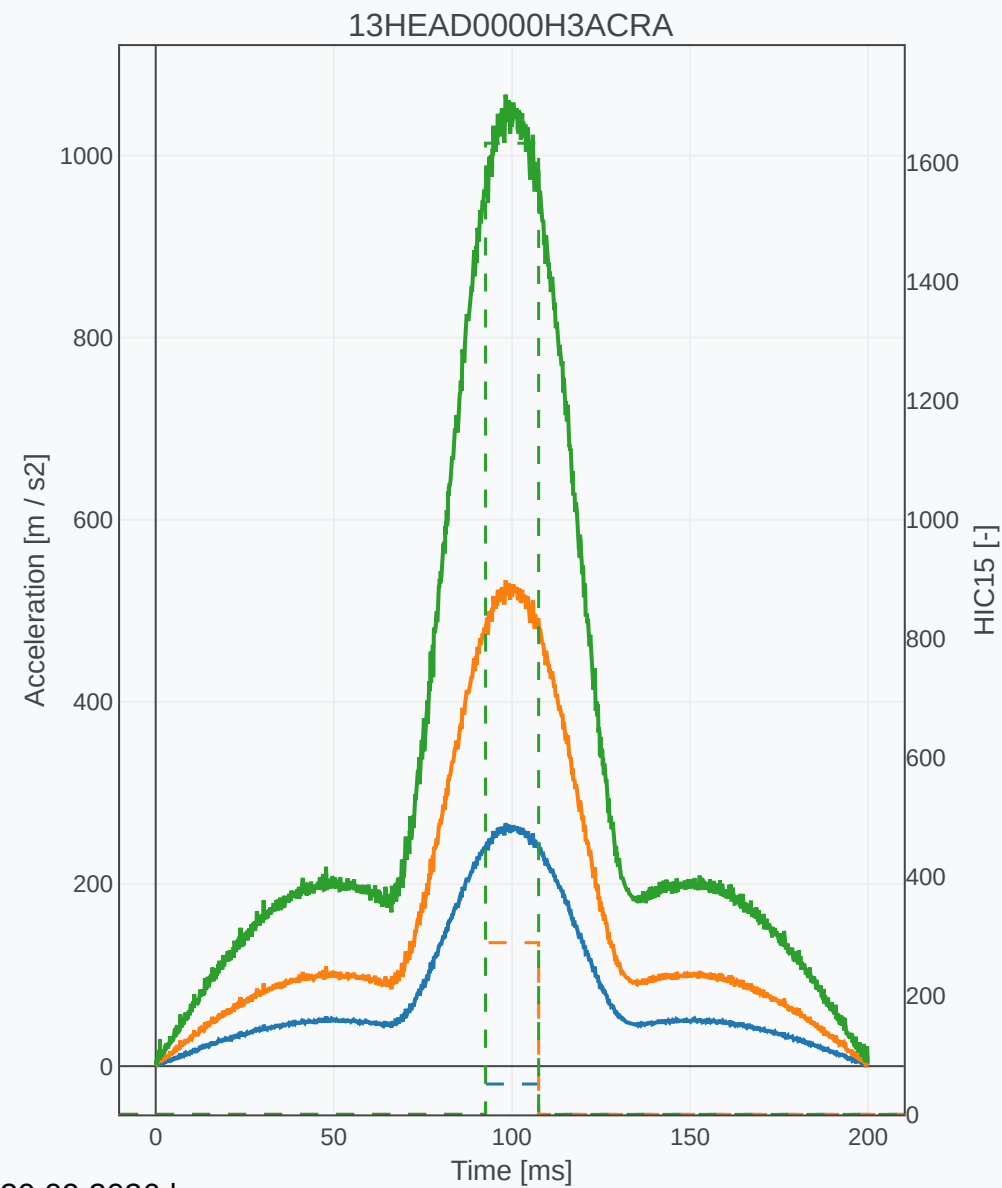
Passenger Head Acceleration



v1
v2
v3



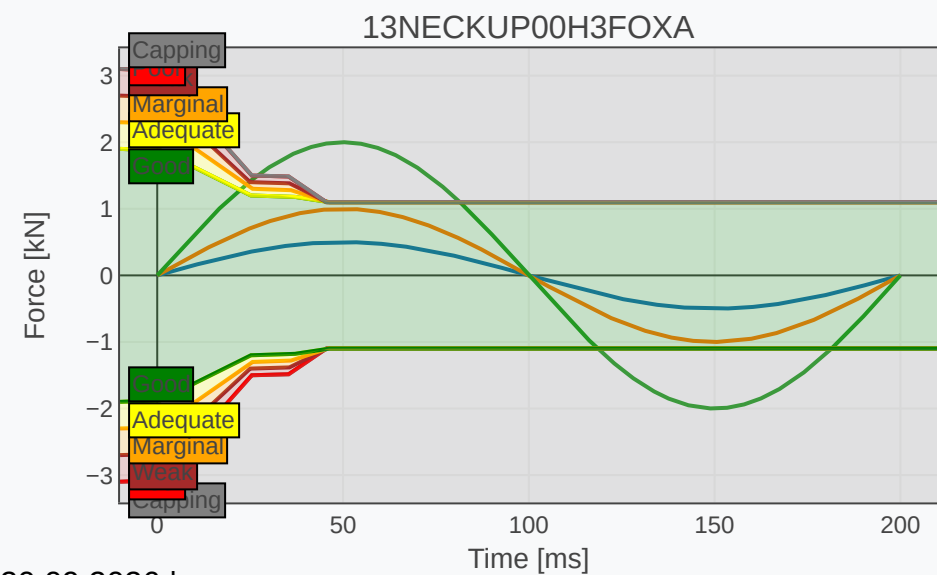
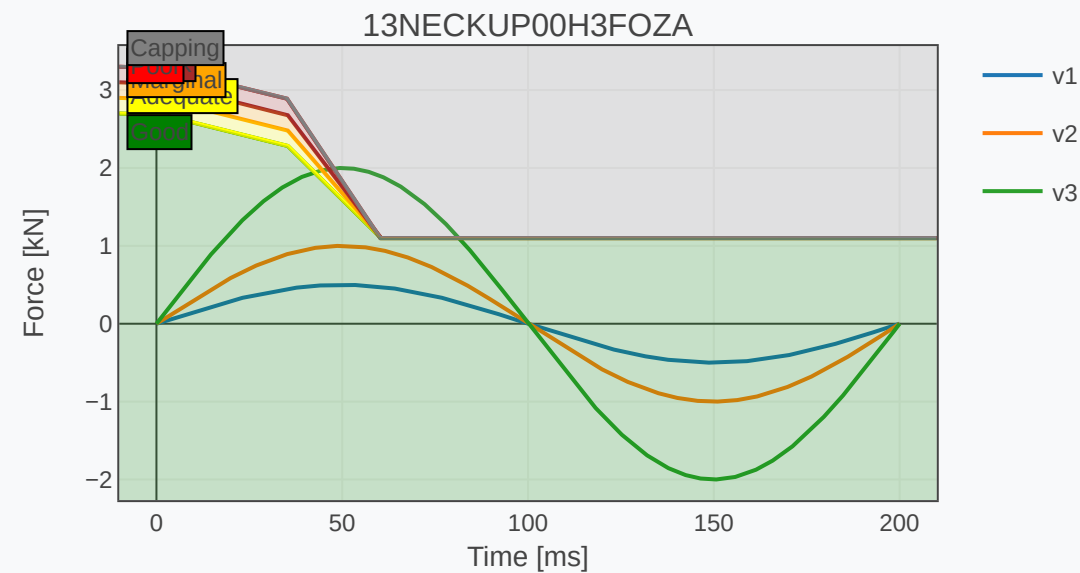
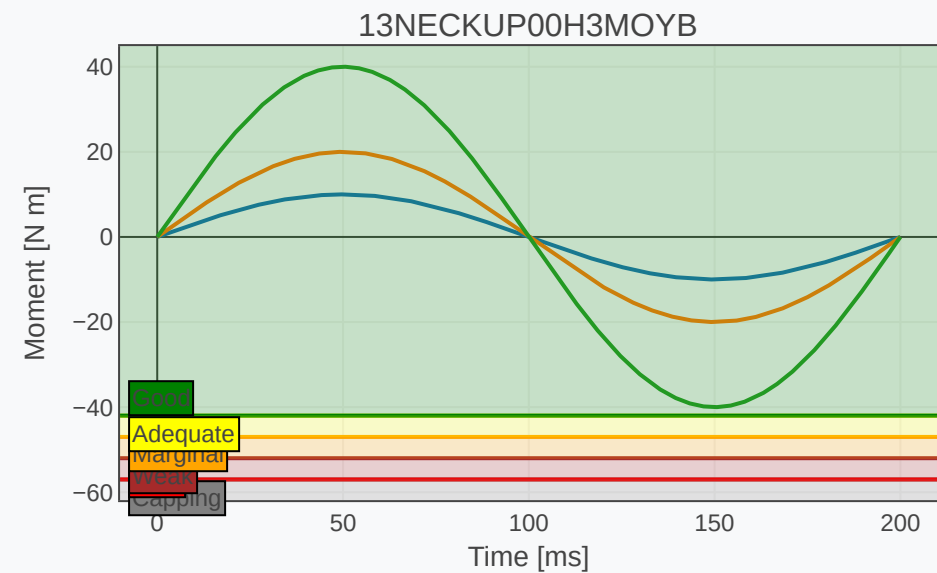
Passenger HIC15



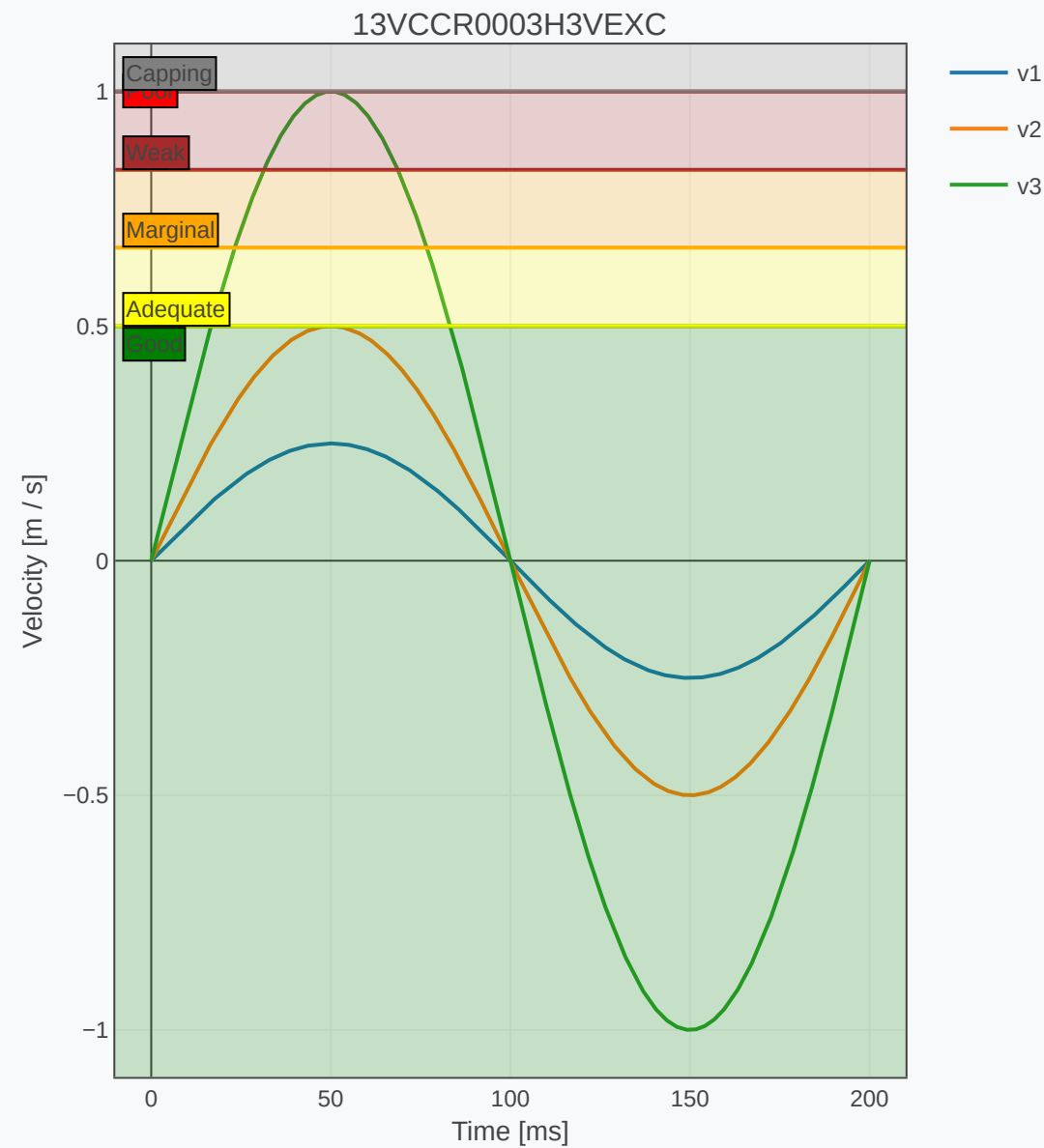
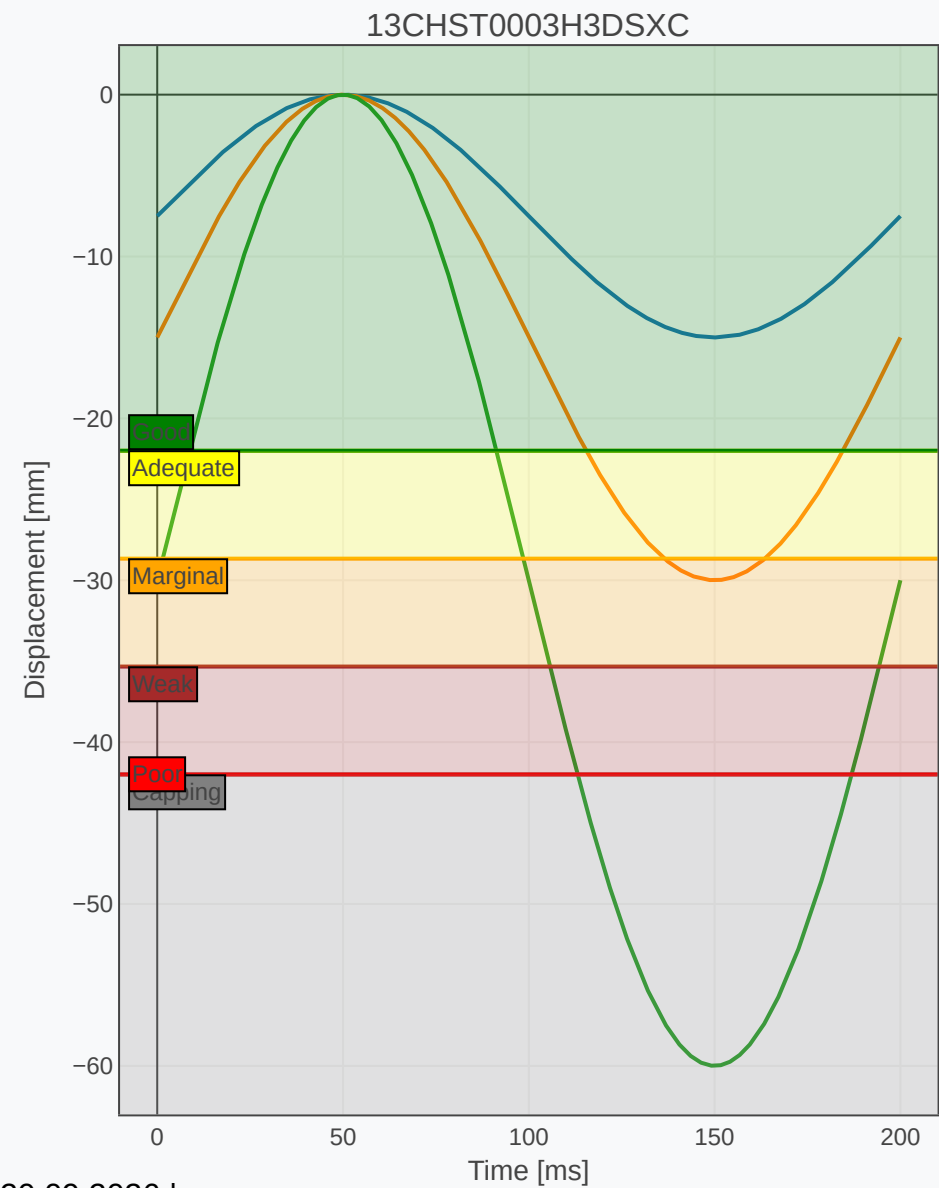
	HIC15	Start [ms]	End [ms]
v1	51.0	92.60	107.50
v2	288.6	92.60	107.50
v3	1632.6	92.60	107.50

- v1
- v2
- v3
- v1 HIC15
- v2 HIC15
- v3 HIC15

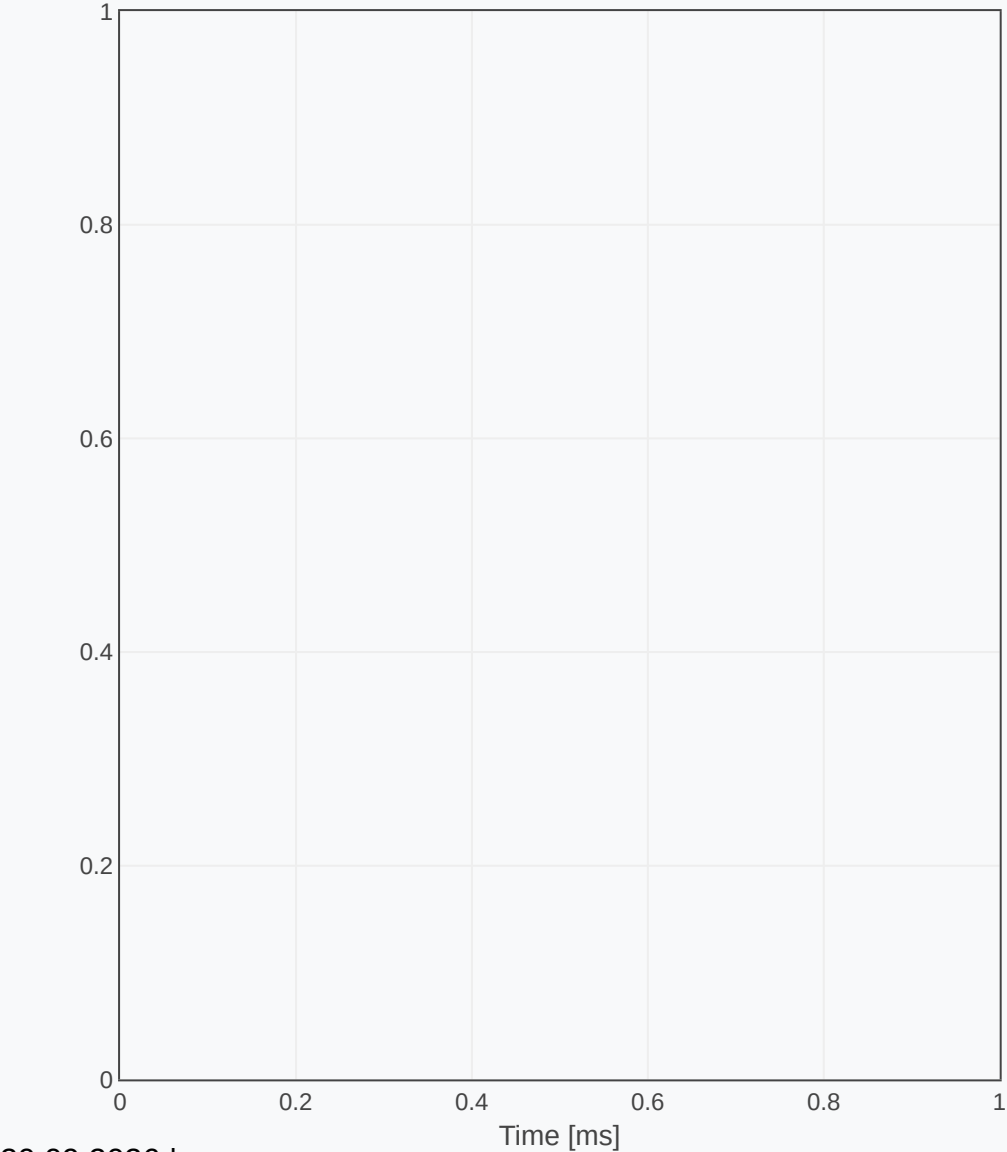
Passenger Neck Load



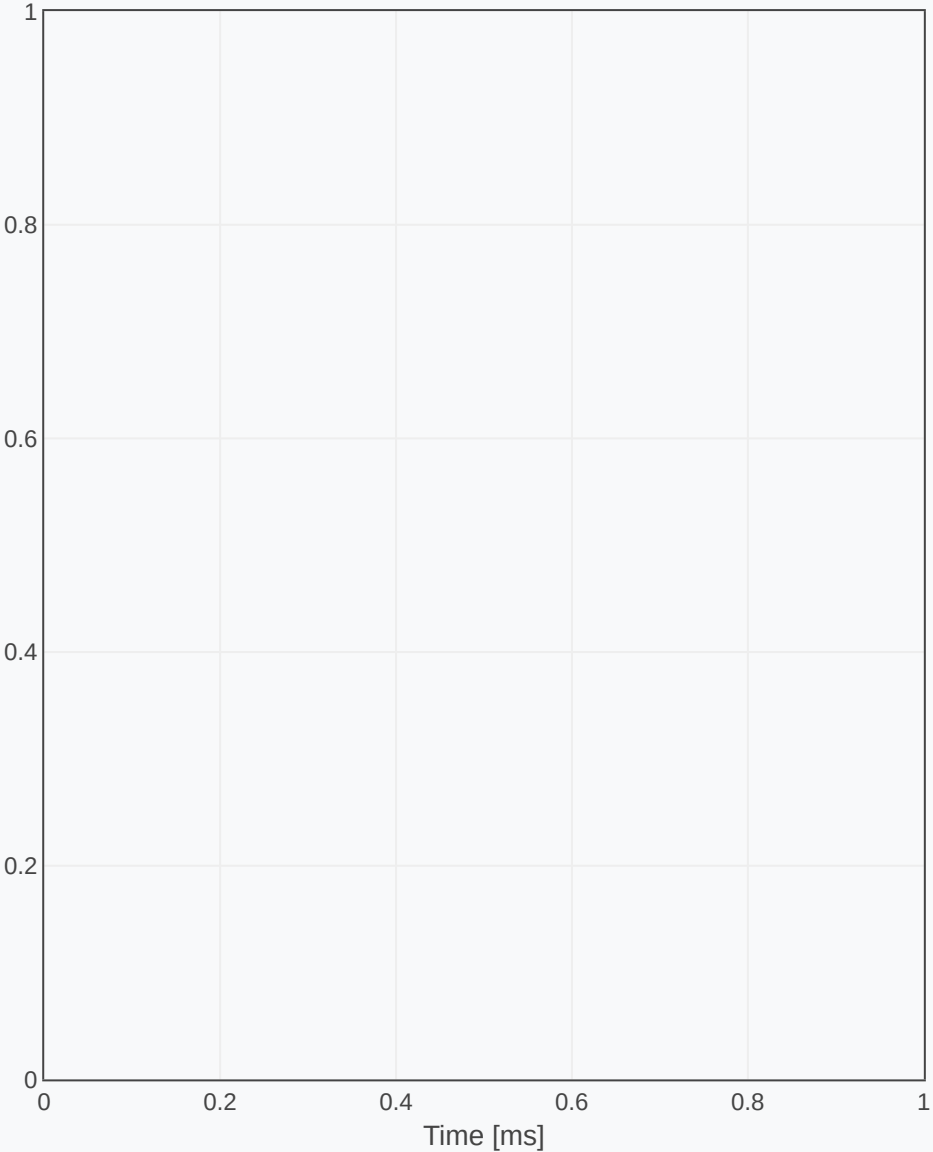
Passenger Chest Deflection



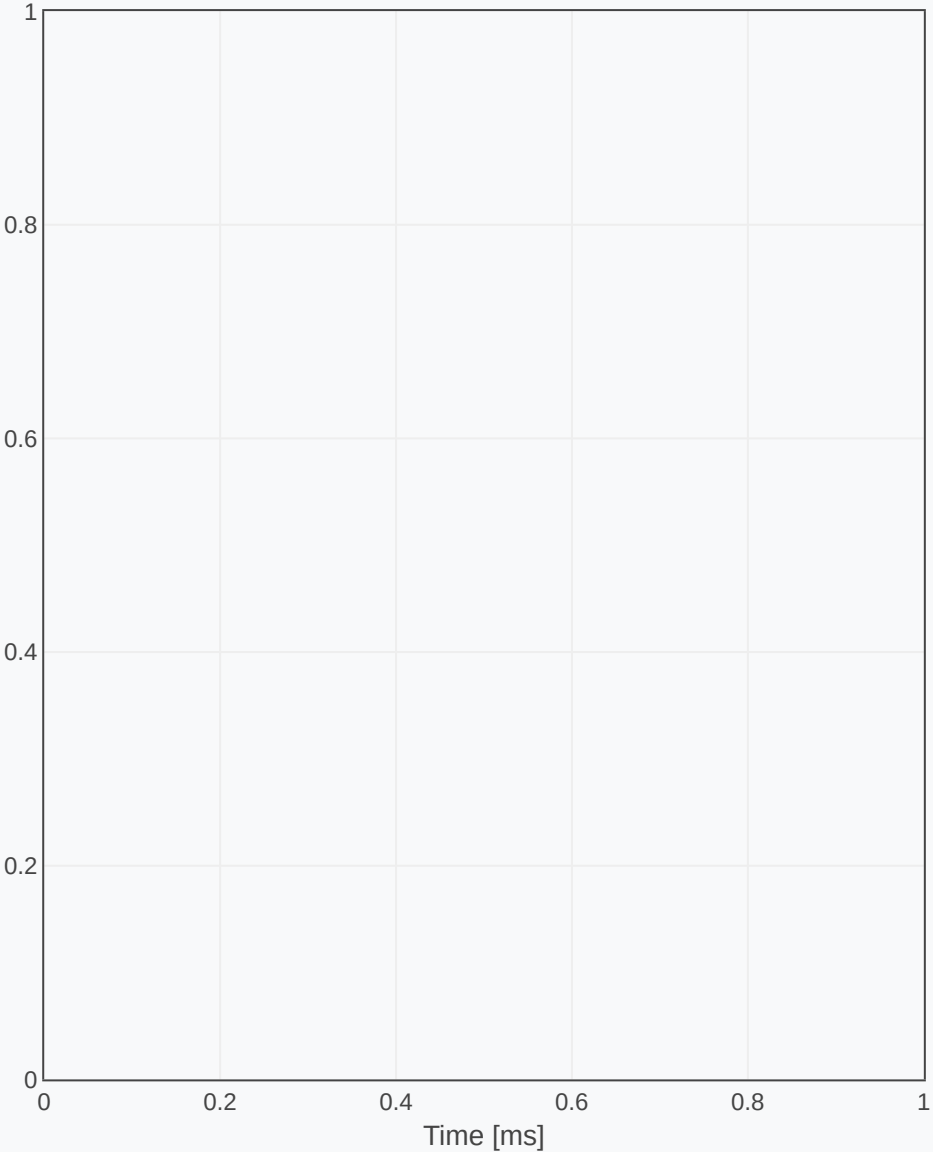
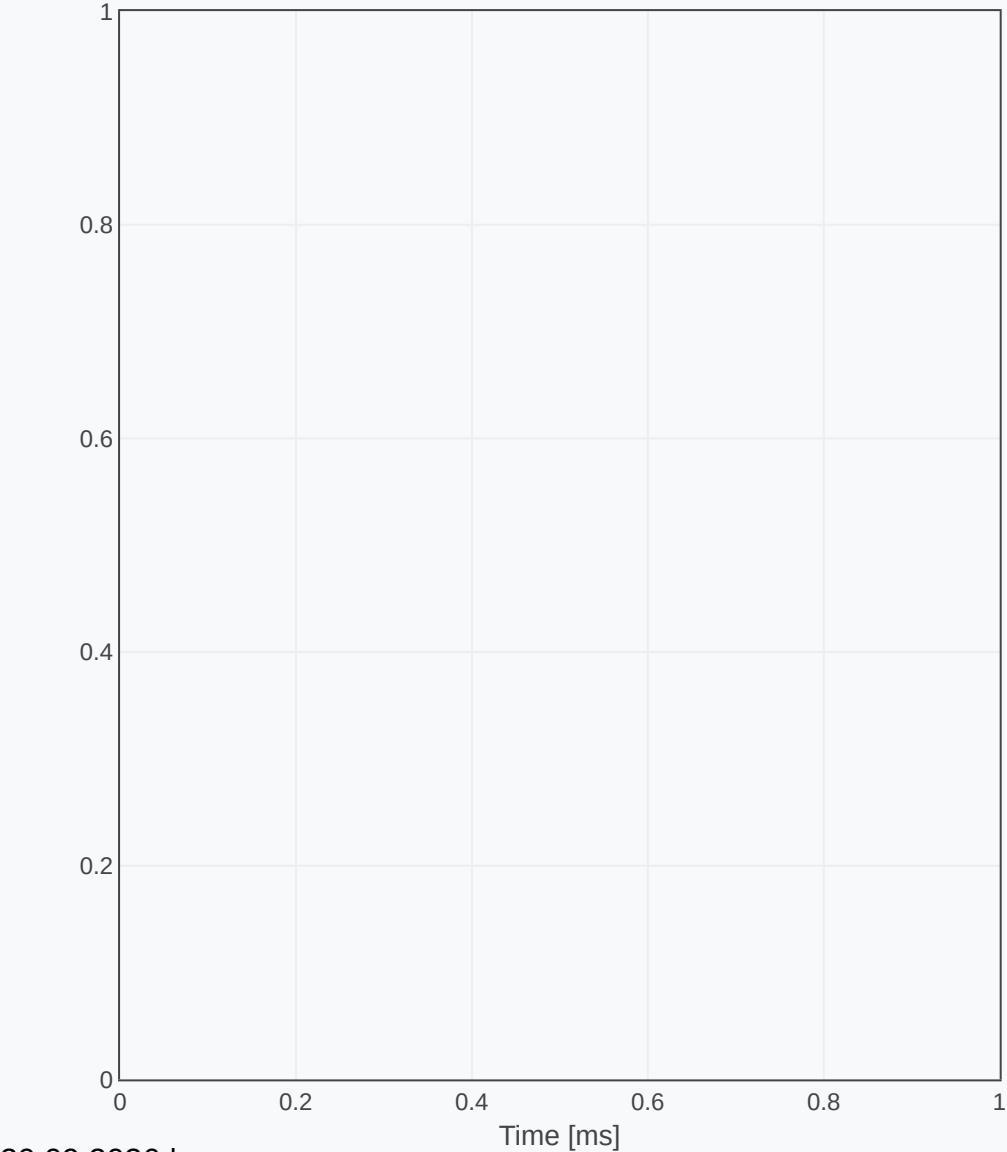
Passenger Femur Axial Force



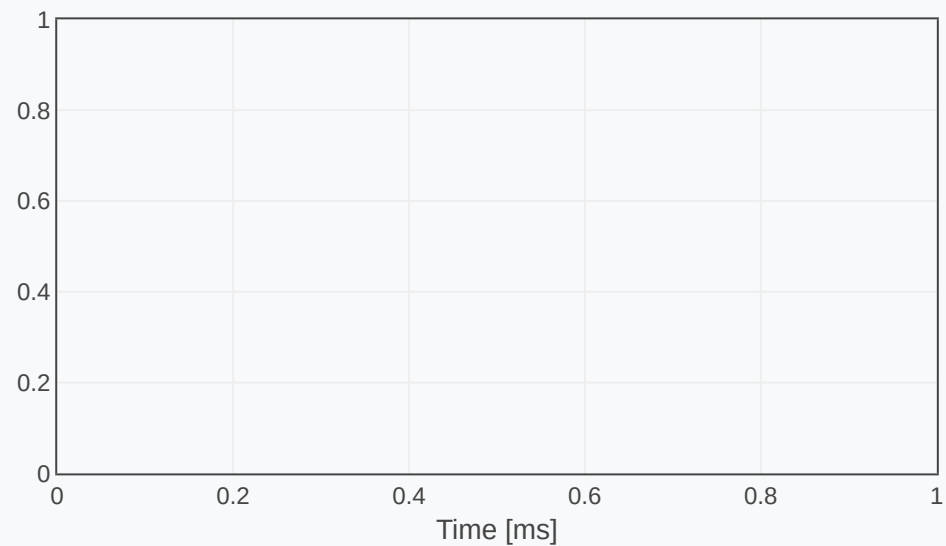
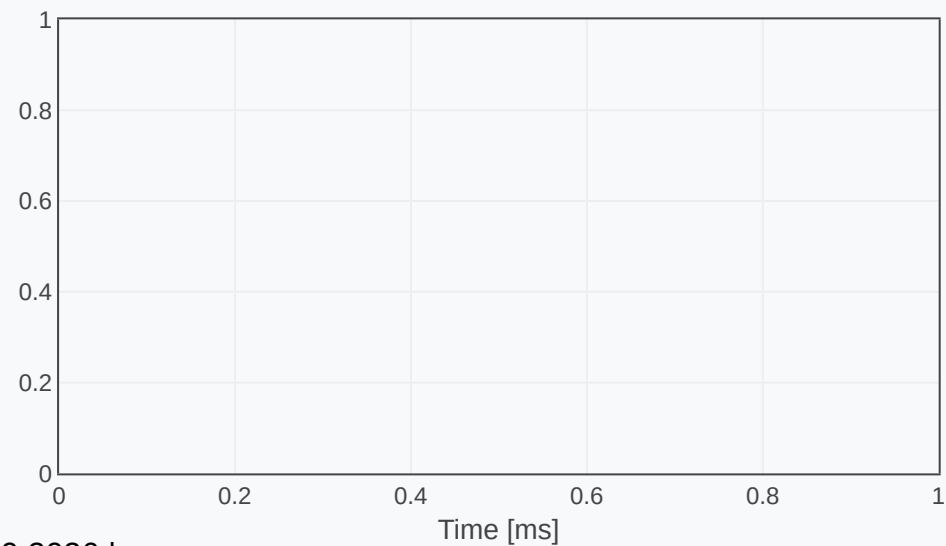
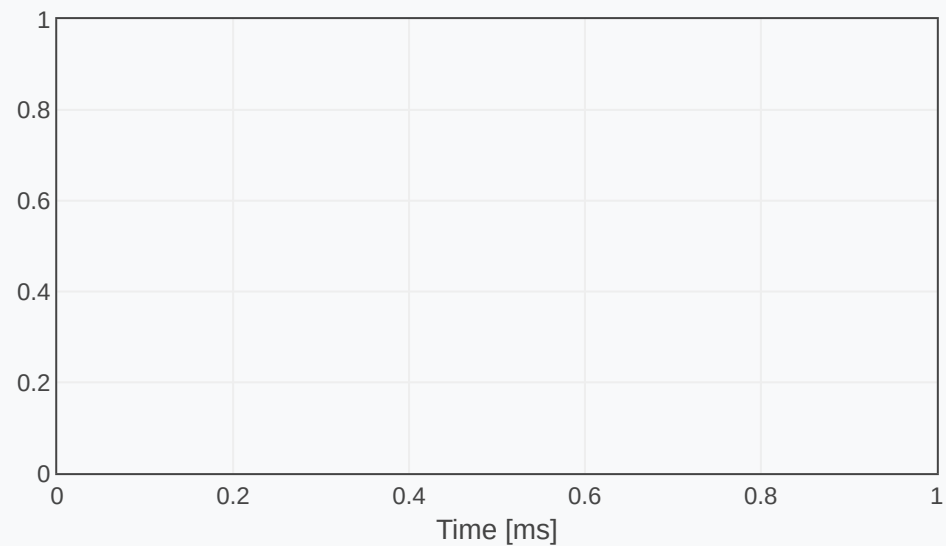
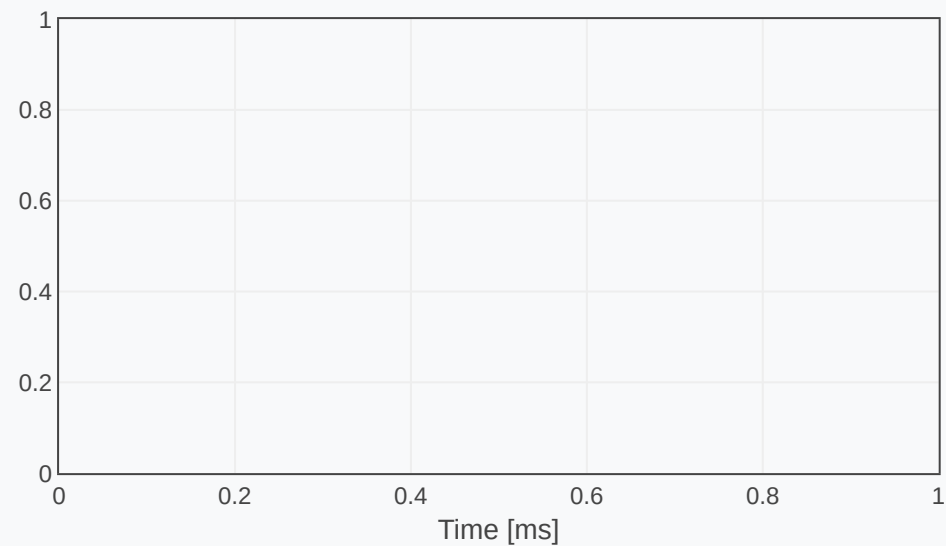
20.09.2026 | runner



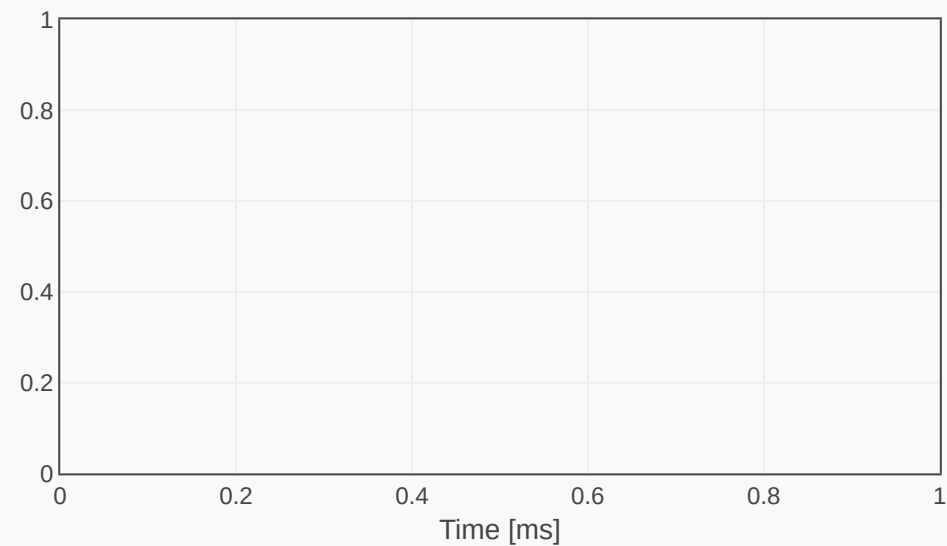
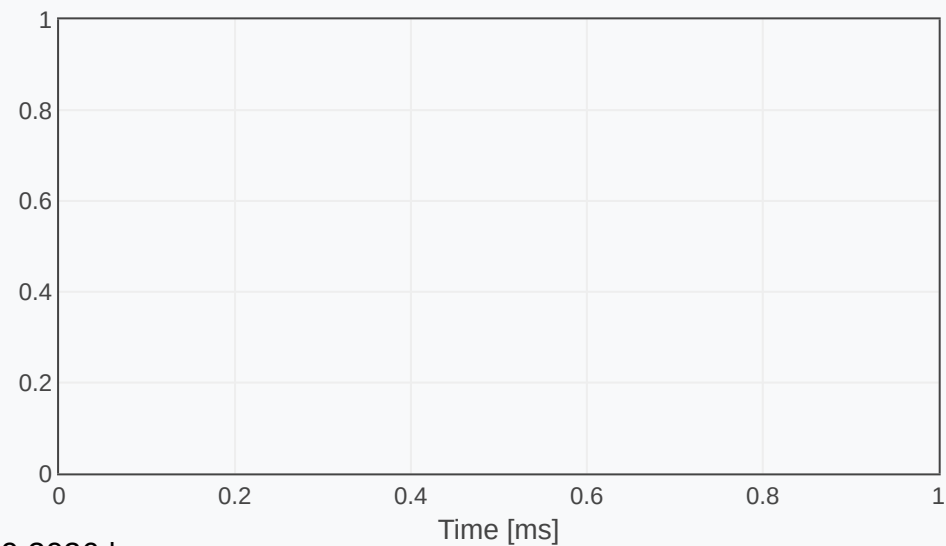
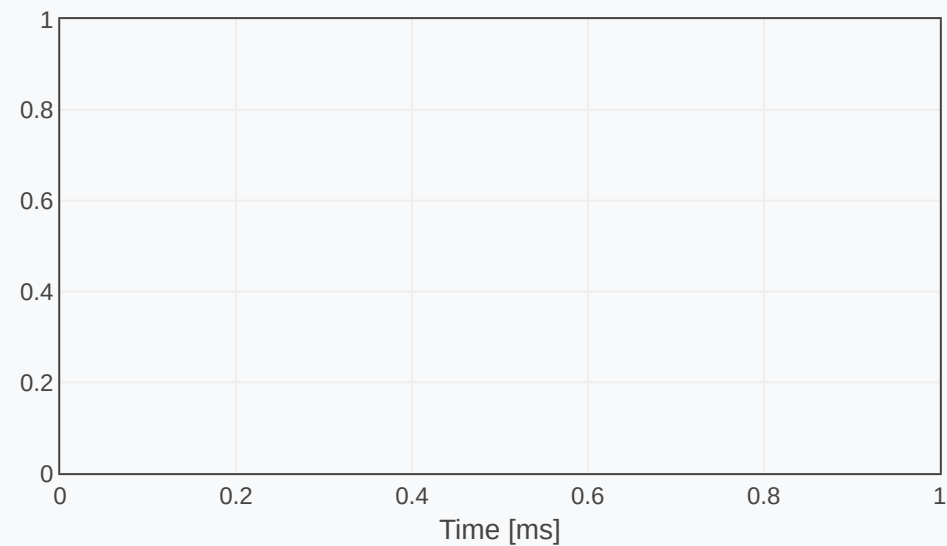
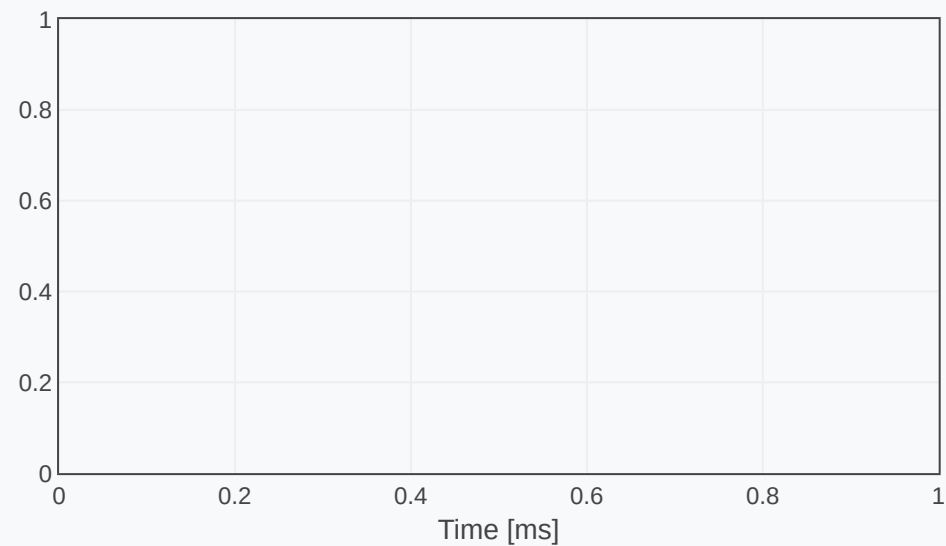
Passenger Knee Slider Compression



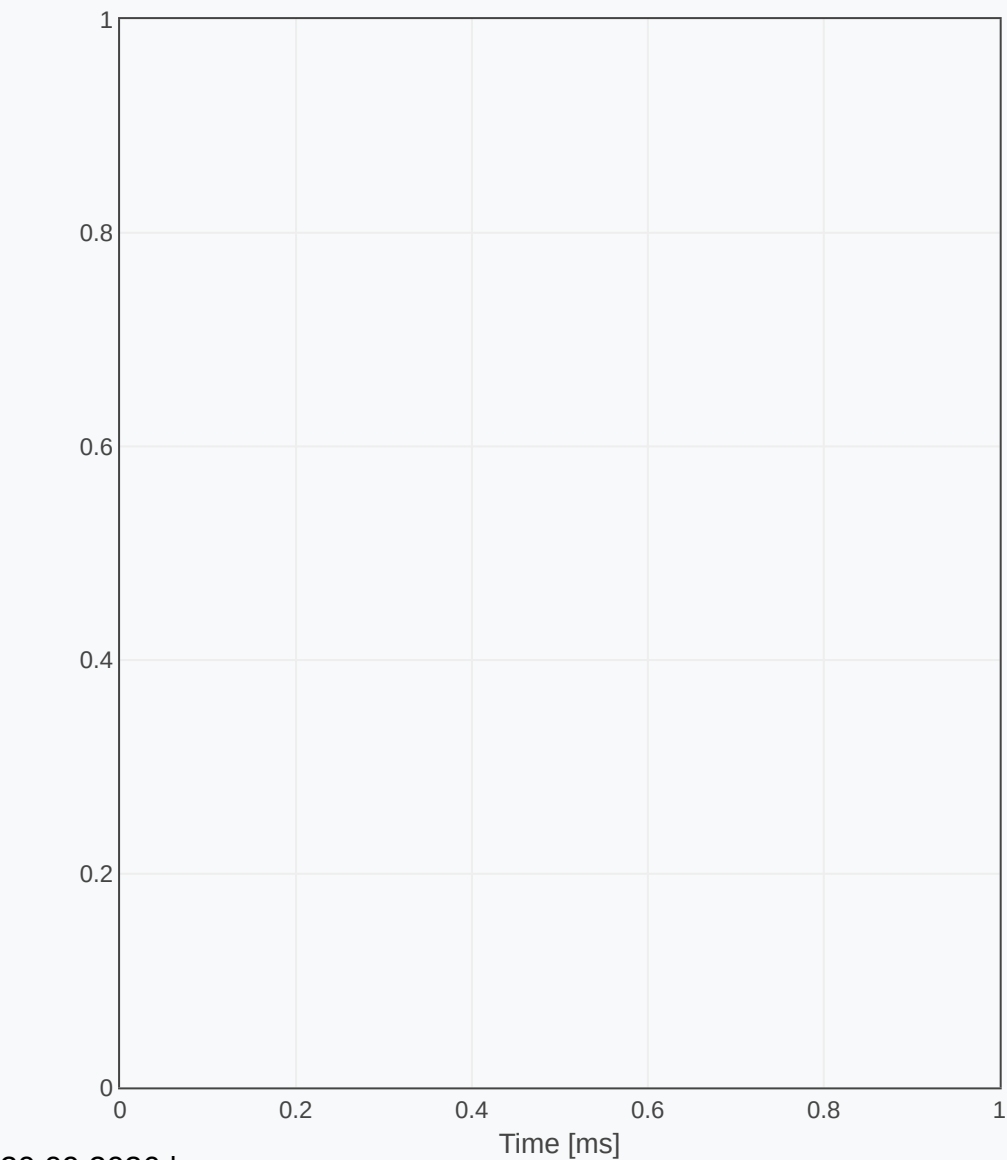
Passenger Tibia Compression



Passenger Tibia Index

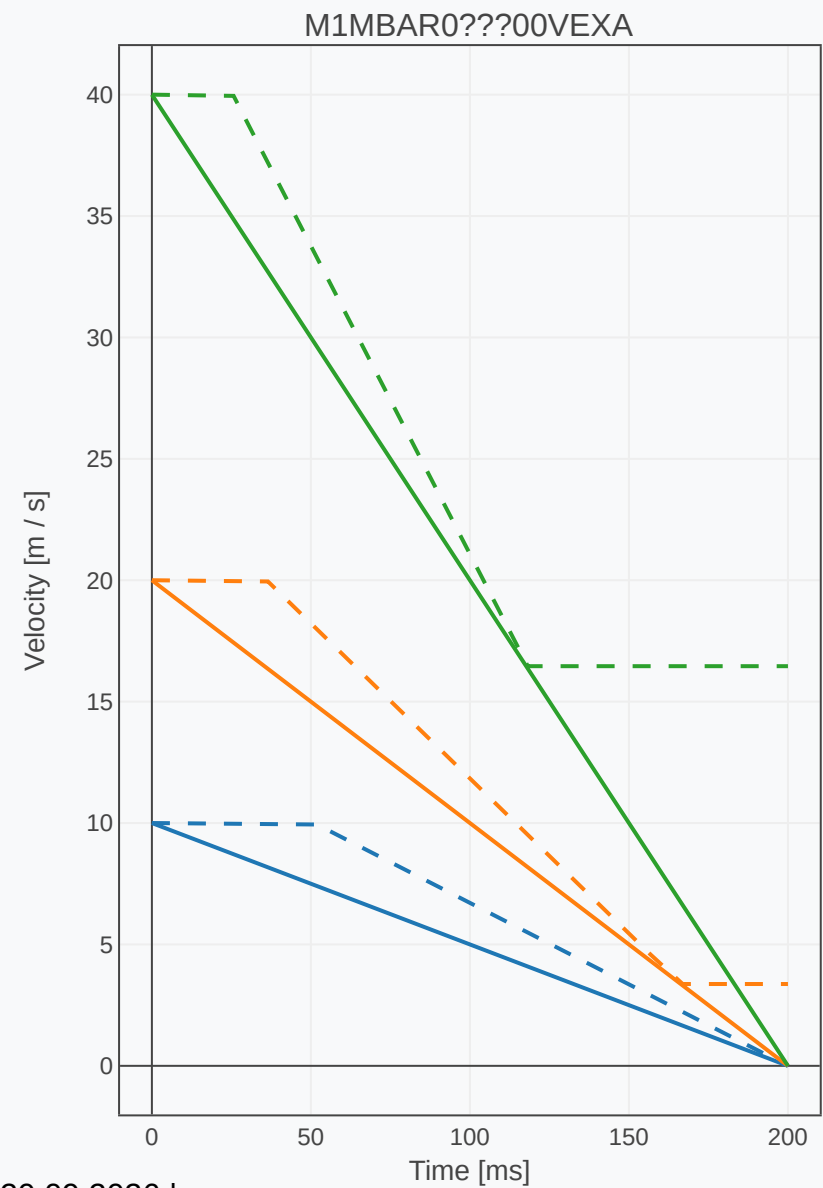


Occupant Load Criterion (OLC)



	OLC [g]
v1	nan
v2	nan
v3	nan

Occupant Load Criterion (OLC) of Trolley



	OLC [g]
v1	6.84
v2	13.02
v3	26.03

- v1 M1MBAR000000VEXA
- v1 M1MBAR0OLC00VEXA
- v2 M1MBAR000000VEXA
- v2 M1MBAR0OLC00VEXA
- v3 M1MBAR000000VEXA
- v3 M1MBAR0OLC00VEXA