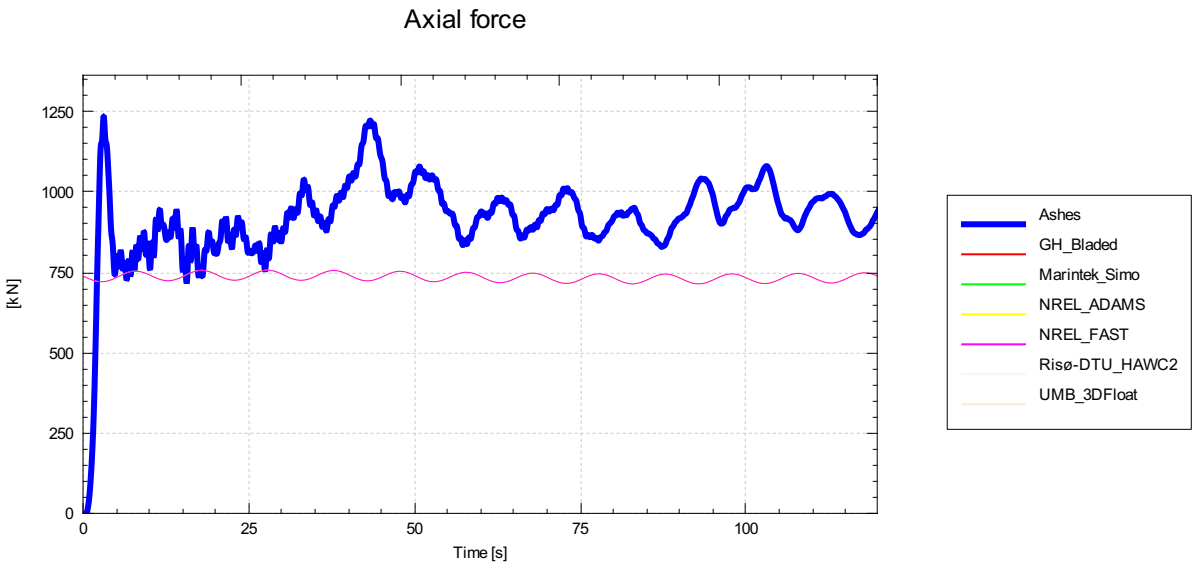
Regression test

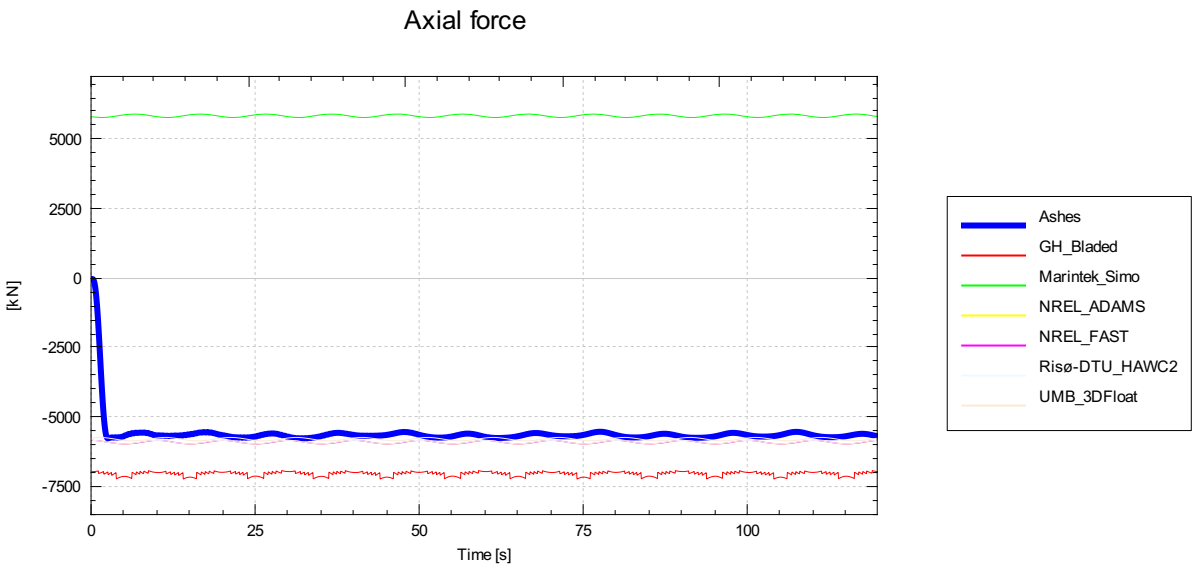
Test run started 2023-06-24T22:03:37Z
Ashes version: 3.20.0
Comparing with external results

Load case: 4.1

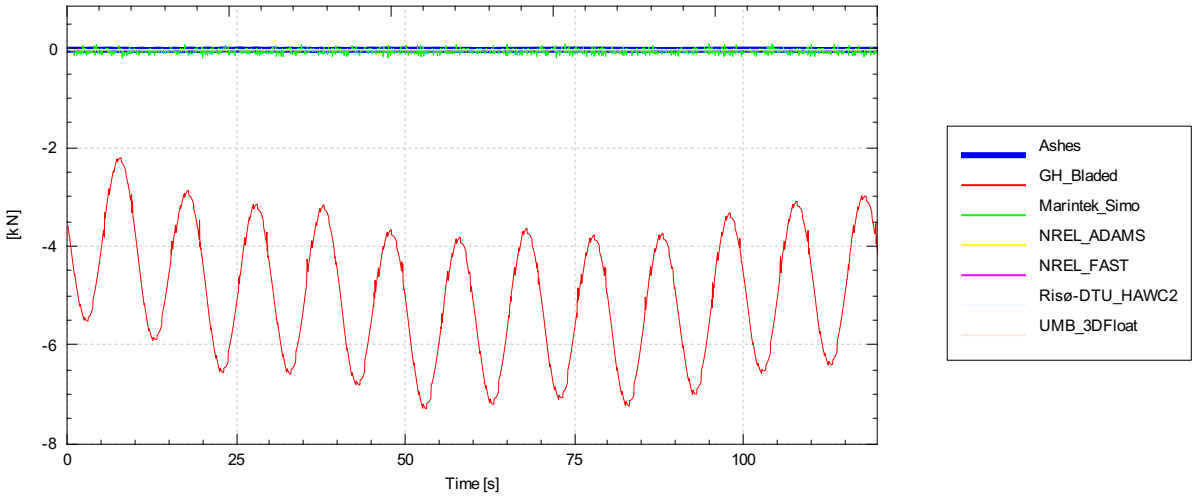
Sensor Beam element [Element 30 | Line structure (Mooring line 1)]



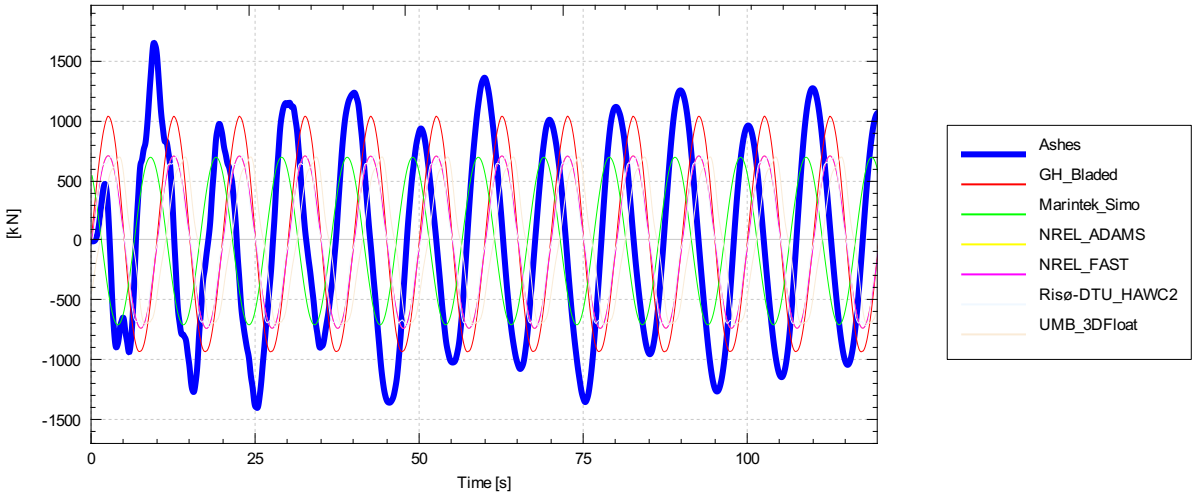
Sensor Beam element [Element 1 | Tubular tower]



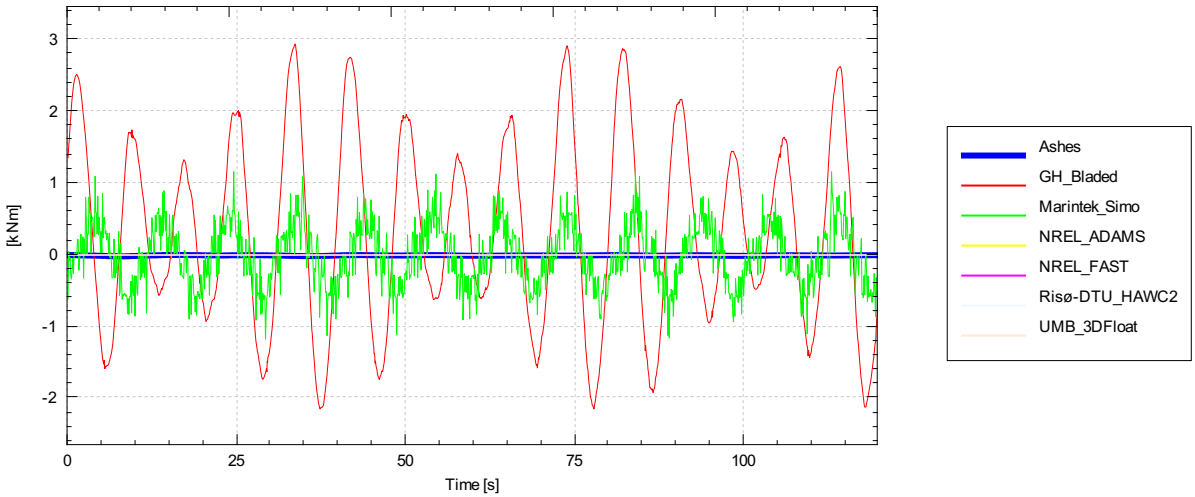
Shear force (1st prin. axis)

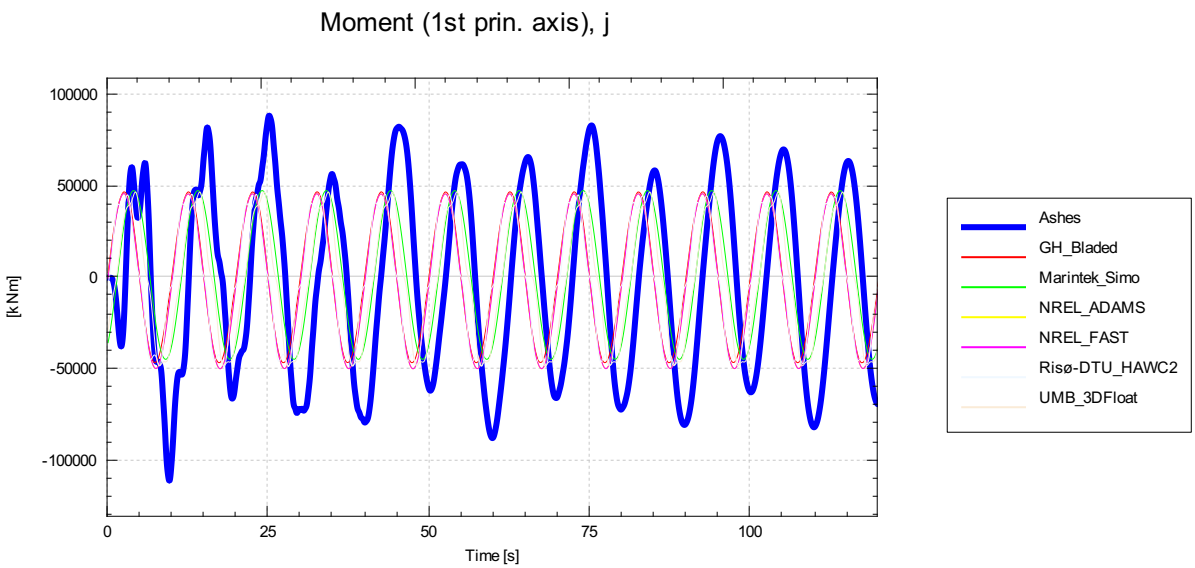


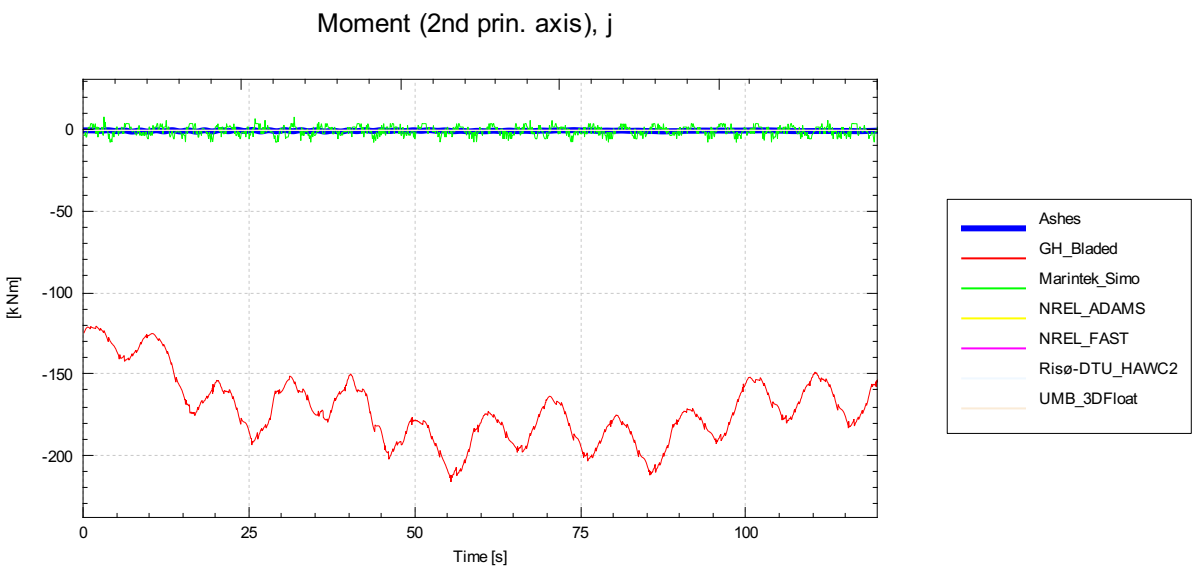
Shear force (2nd prin. axis)



Torque

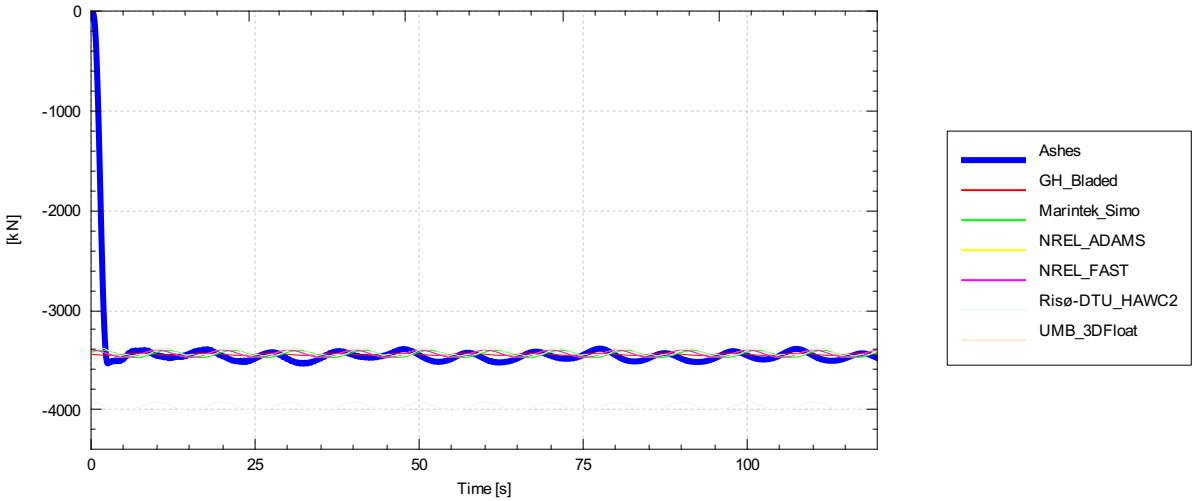




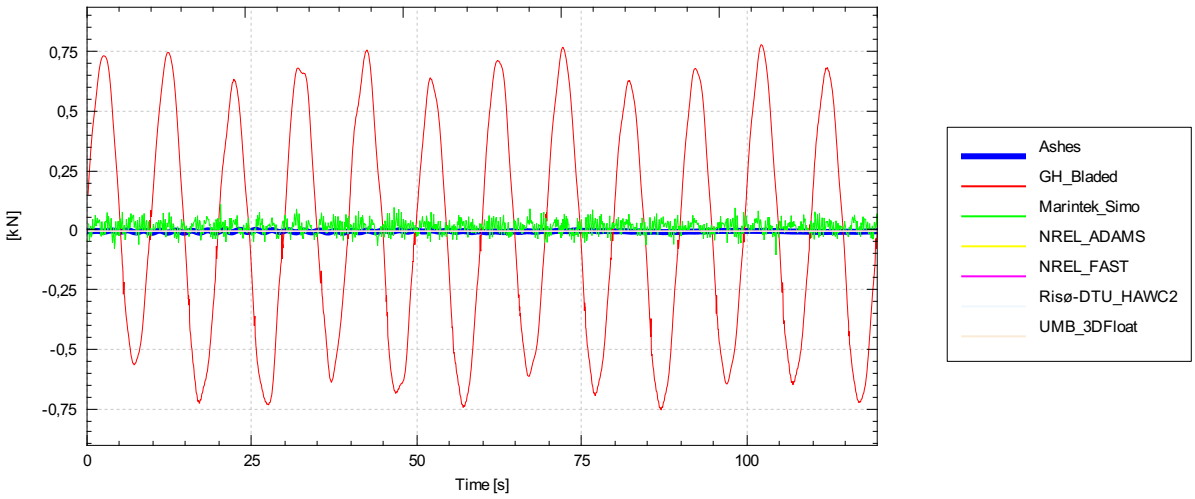


Sensor Beam element [Element 16 | Tubular tower]

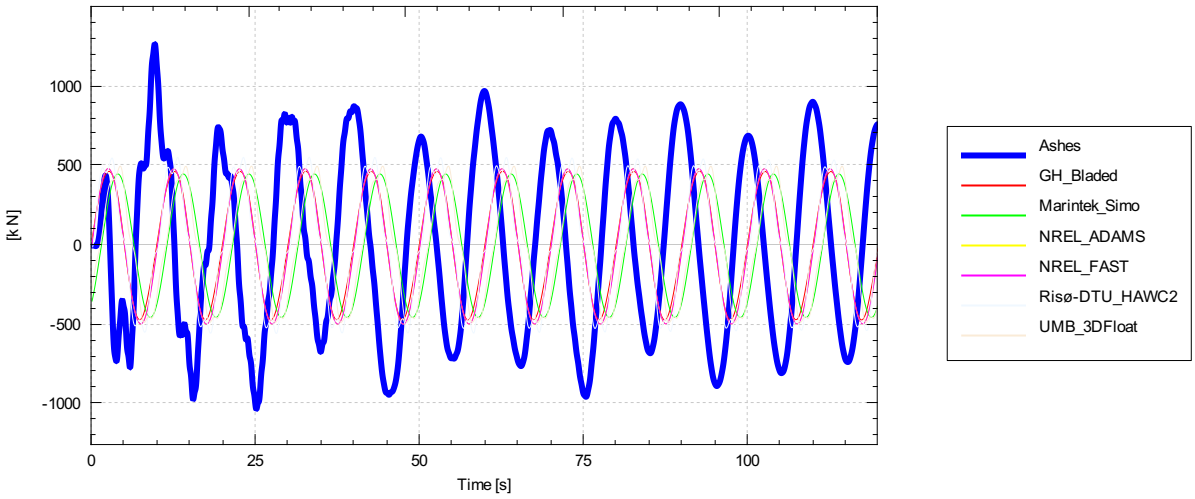
Axial force



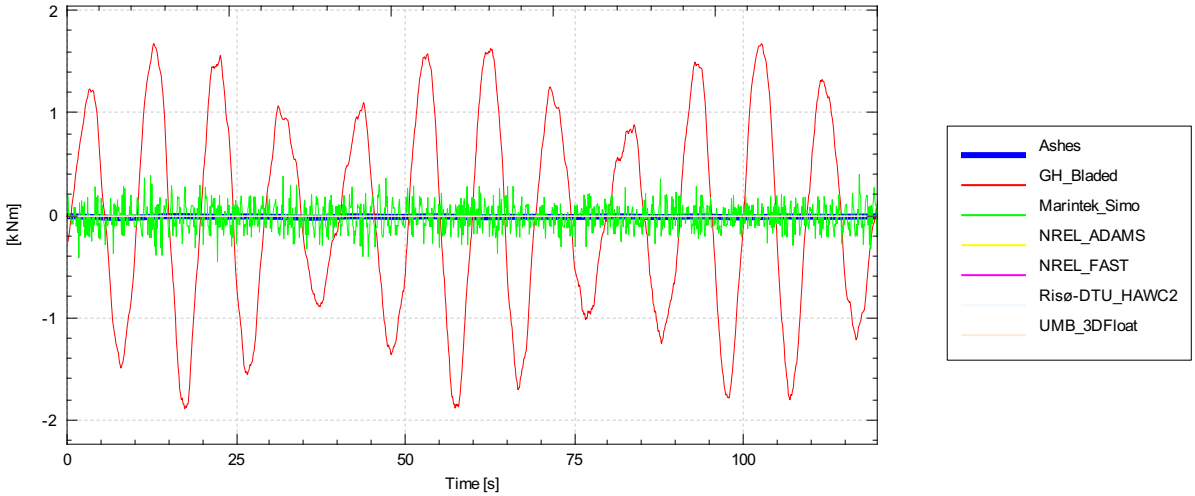
Shear force (1st prin. axis)



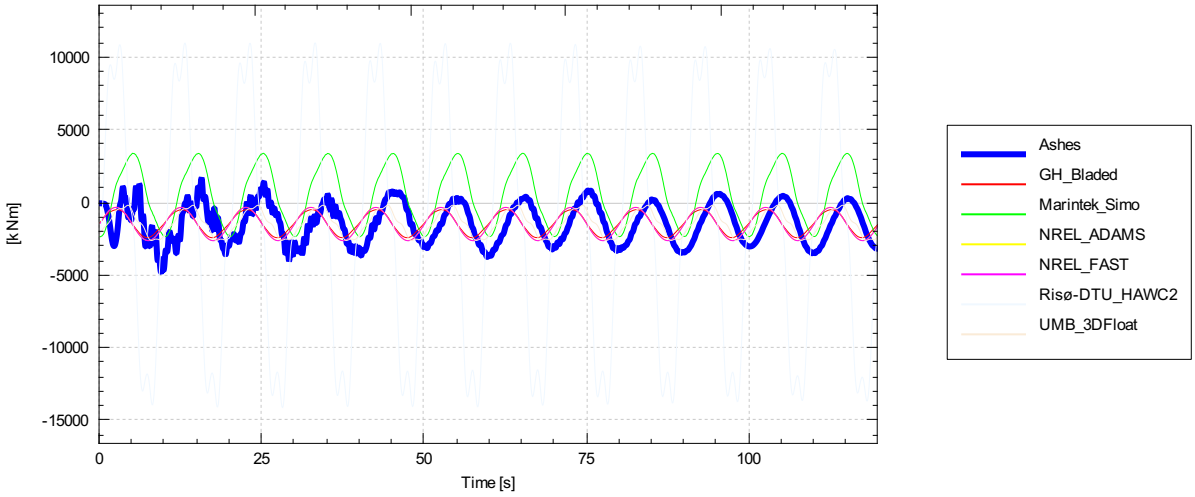
Shear force (2nd prin. axis)



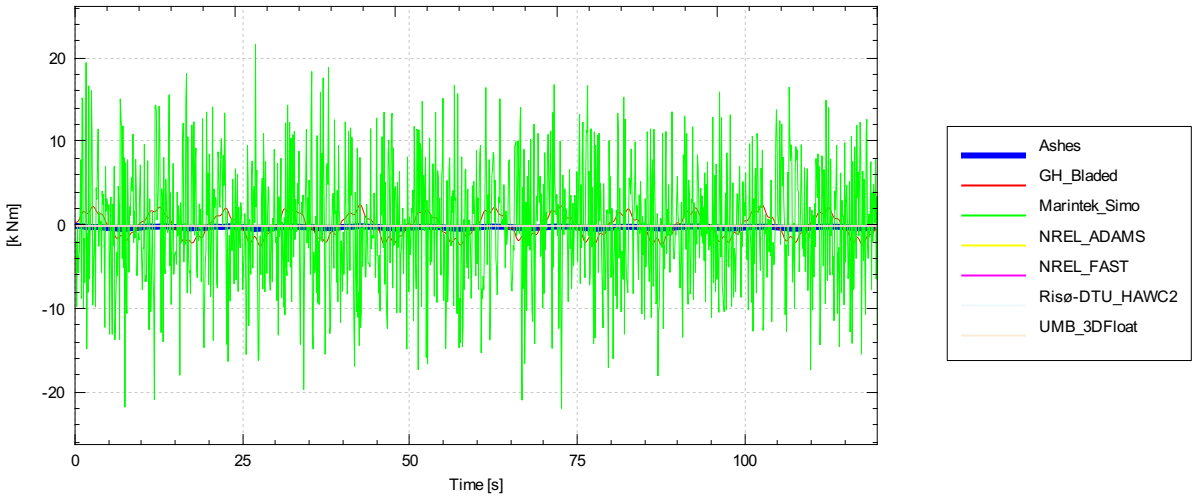
Torque



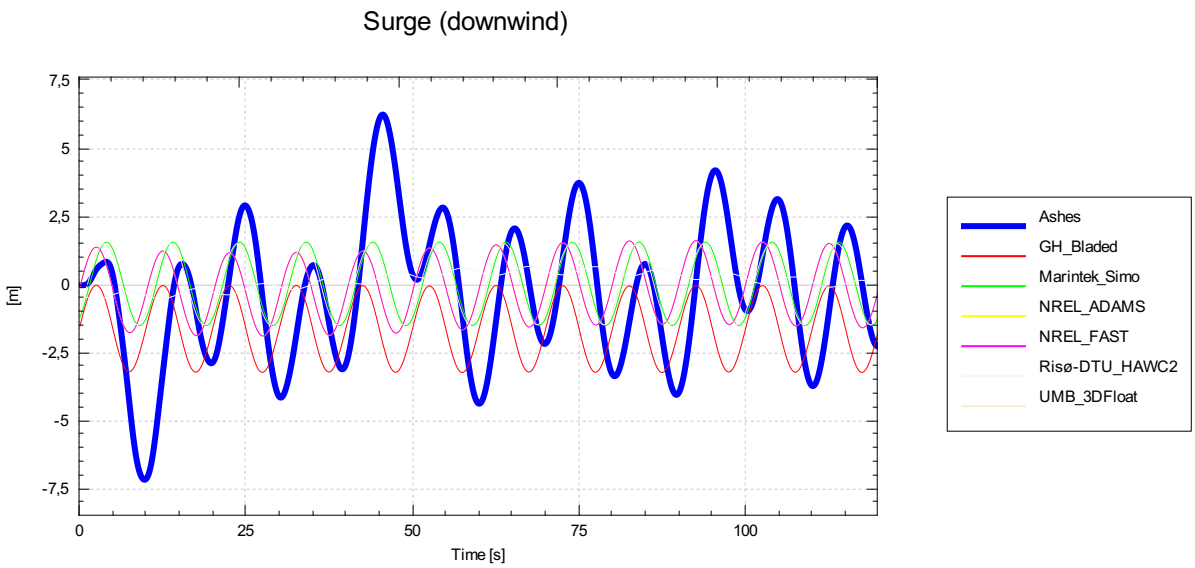
Moment (1st prin. axis), j

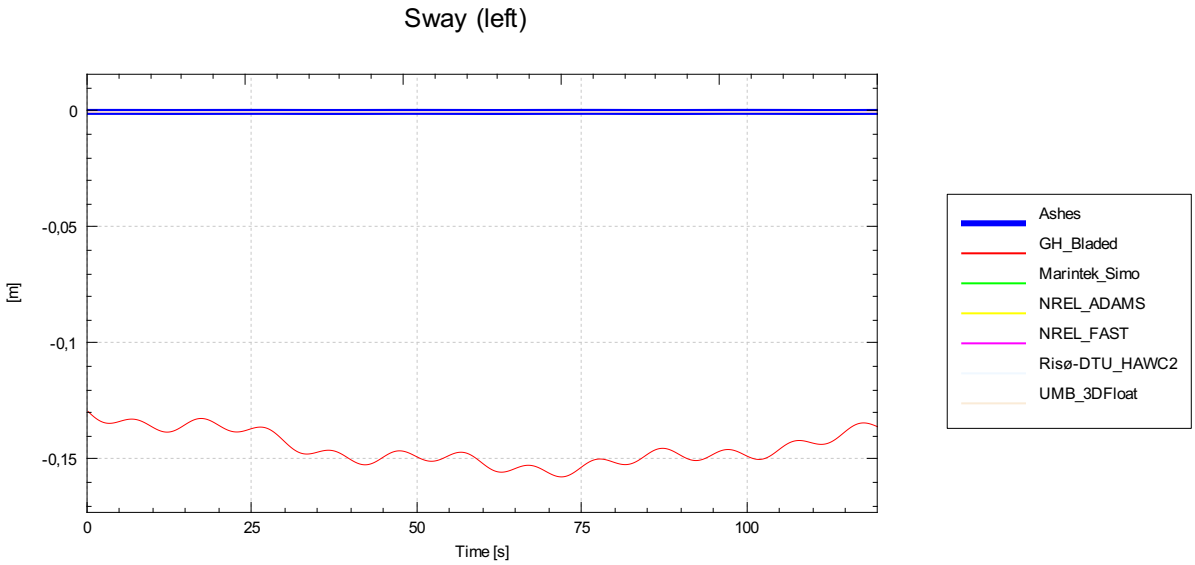


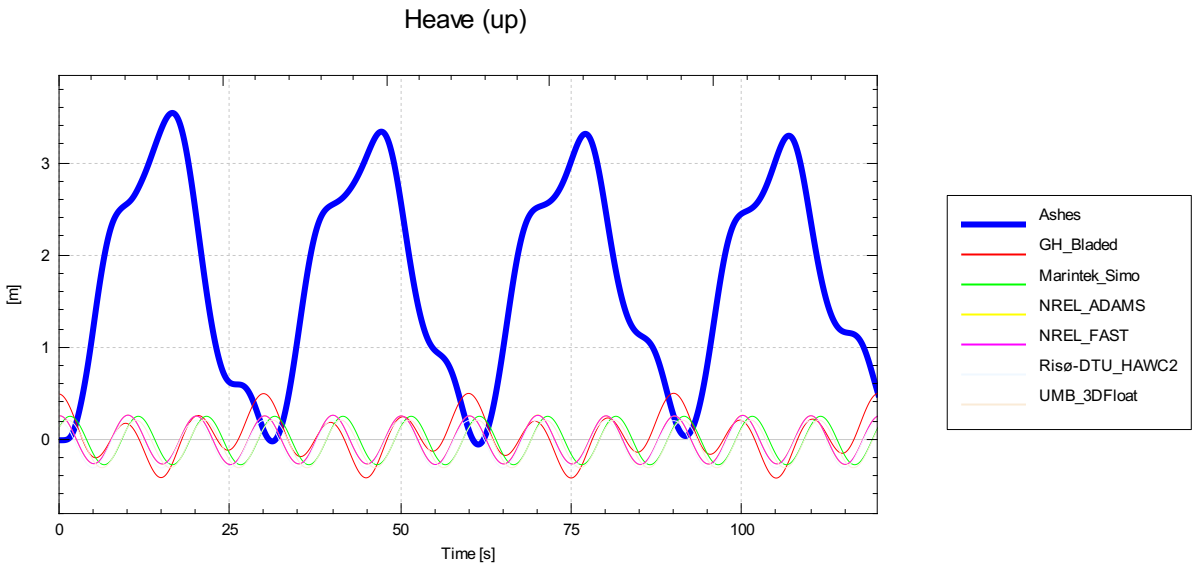
Moment (2nd prin. axis), j



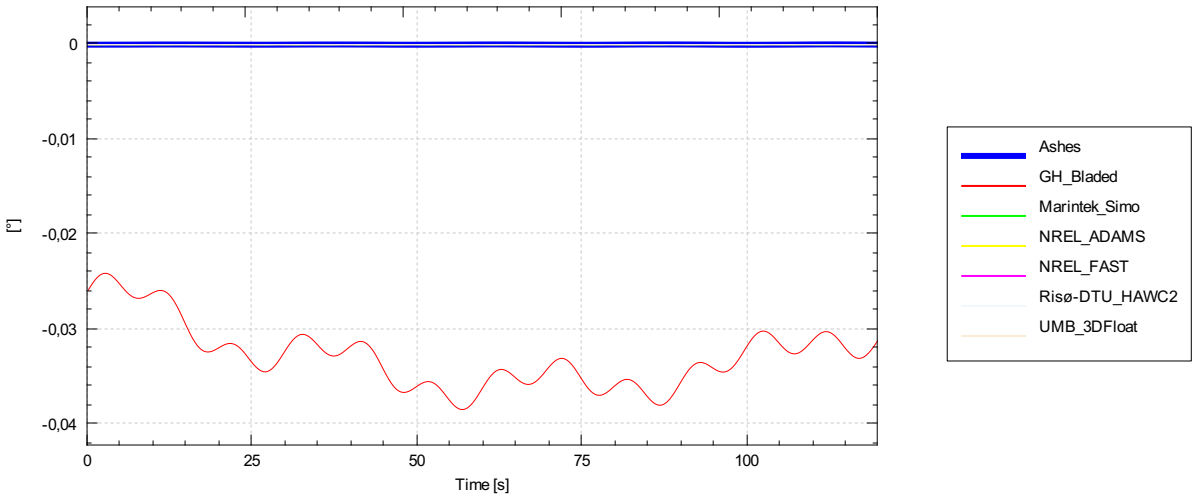
Sensor Floater



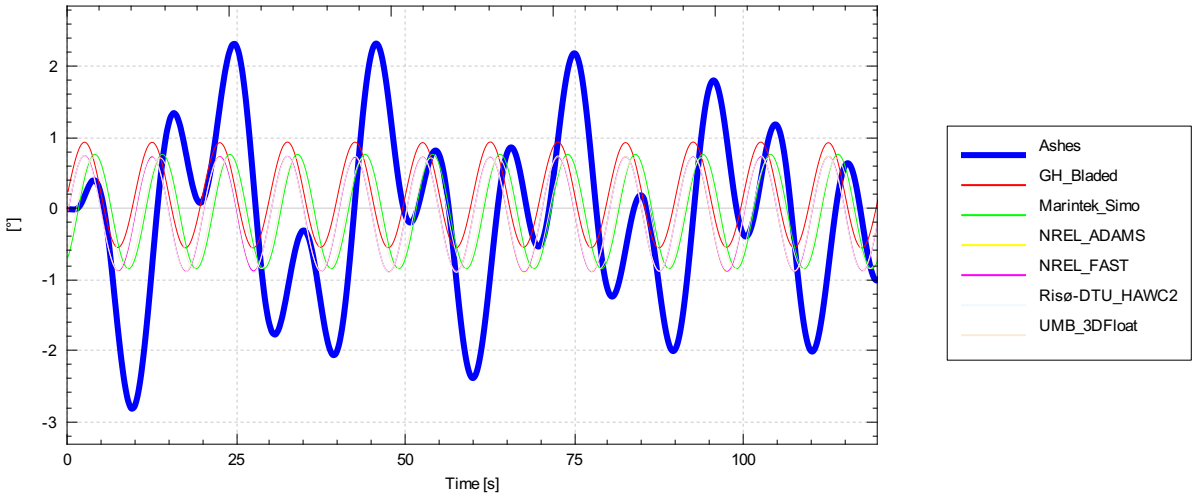




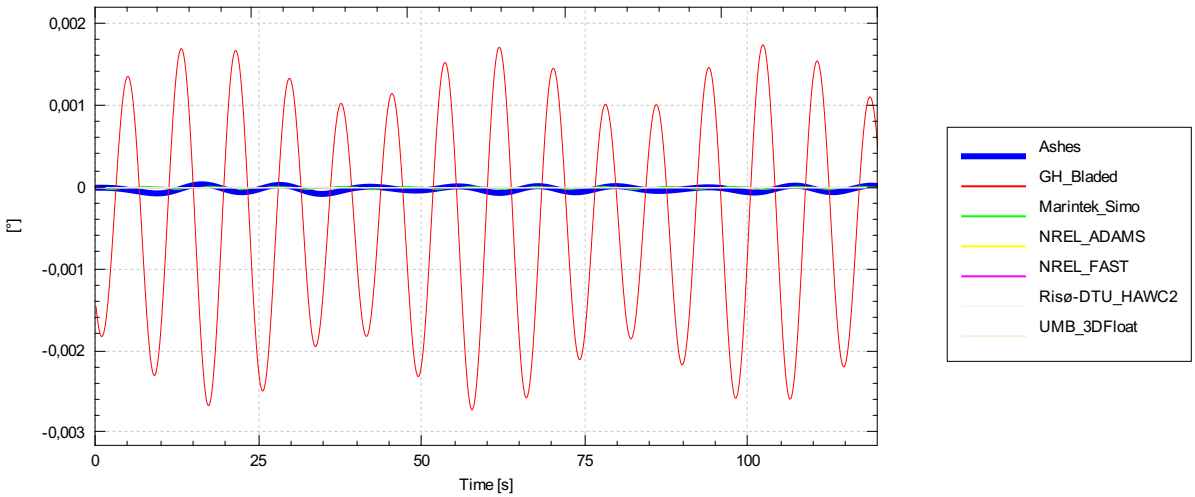
Roll (about axis)



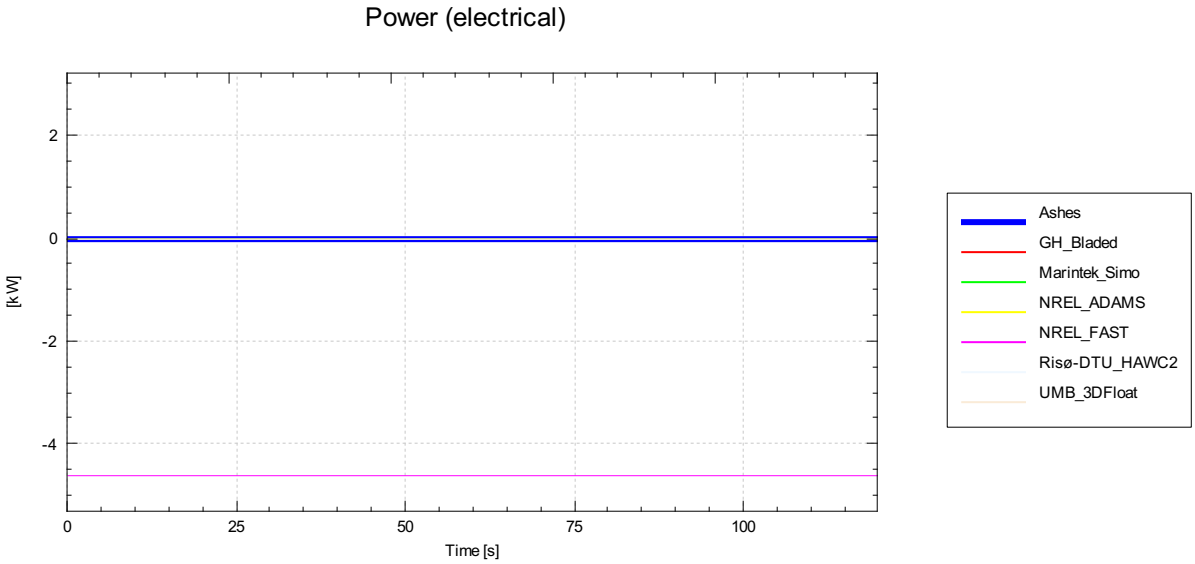
Pitch (about left axis)

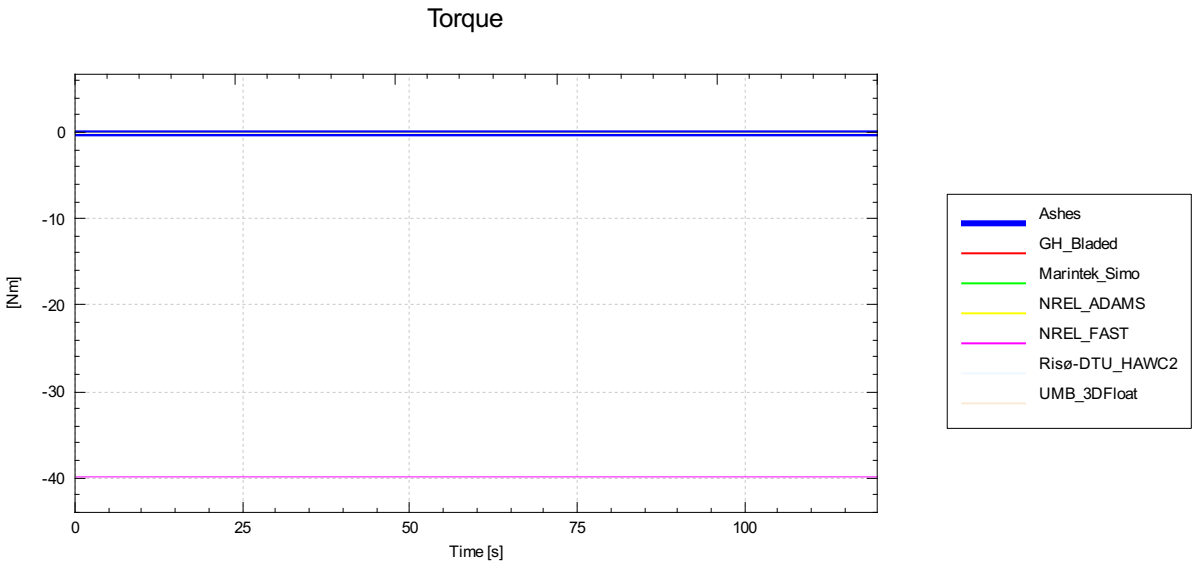


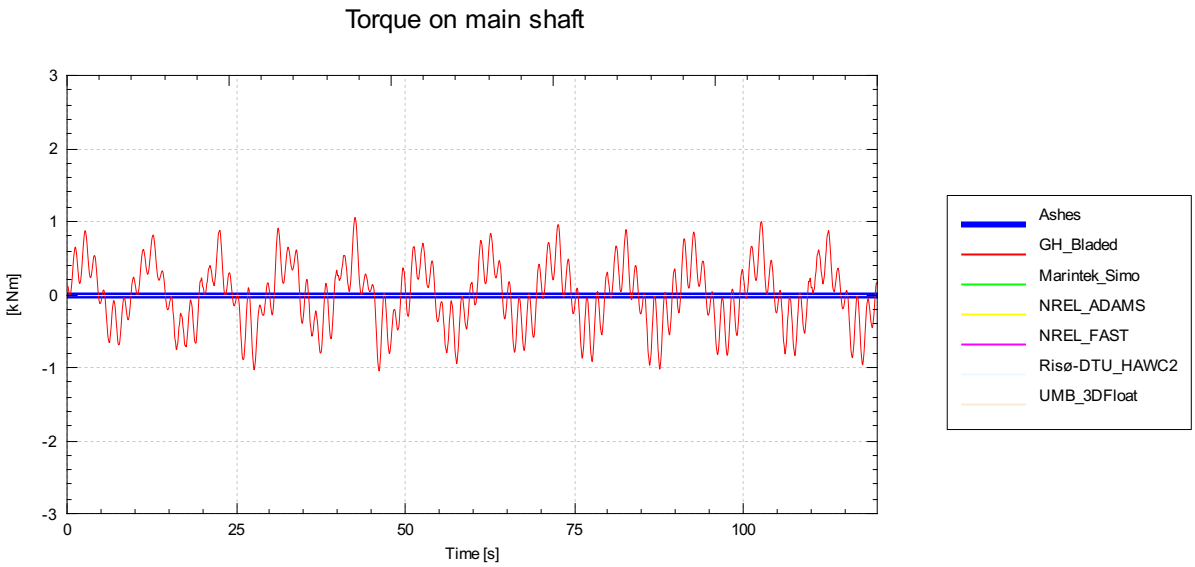
Yaw (about up axis)

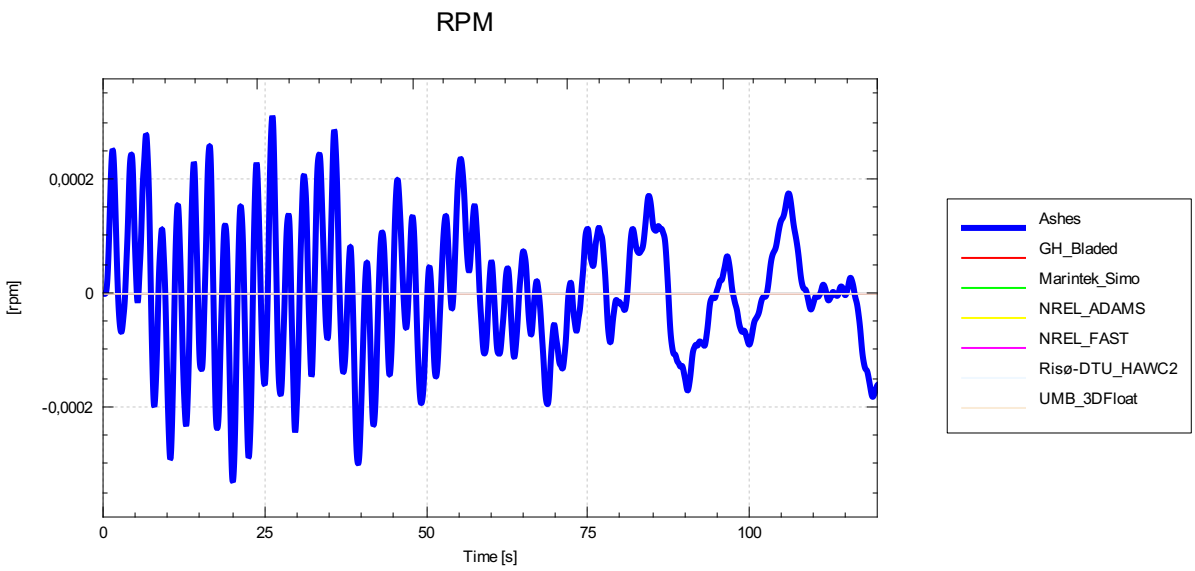


Sensor Generator

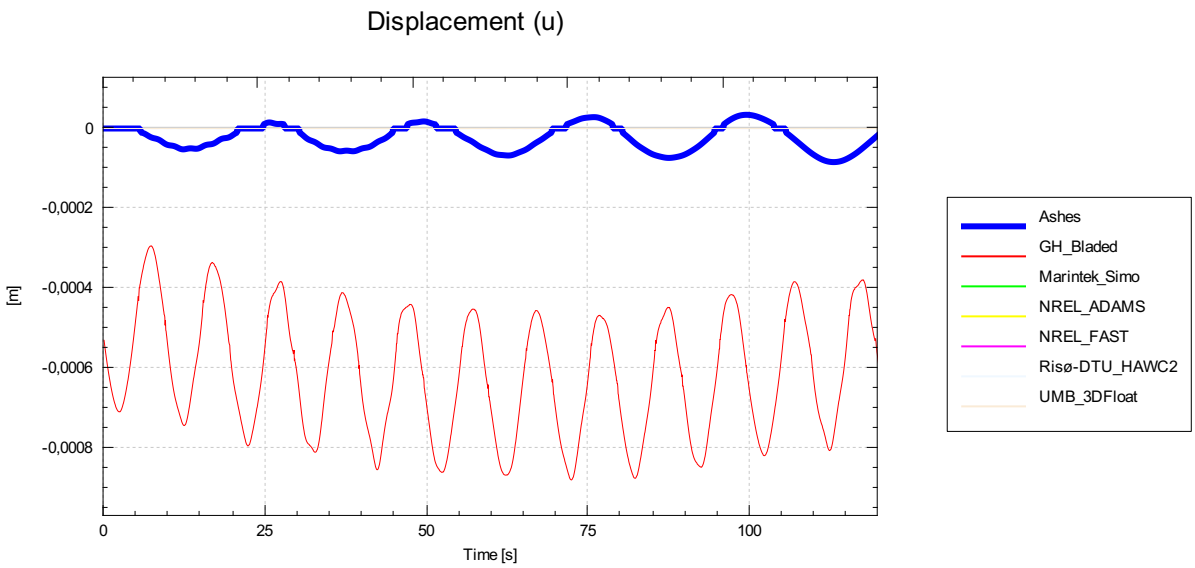


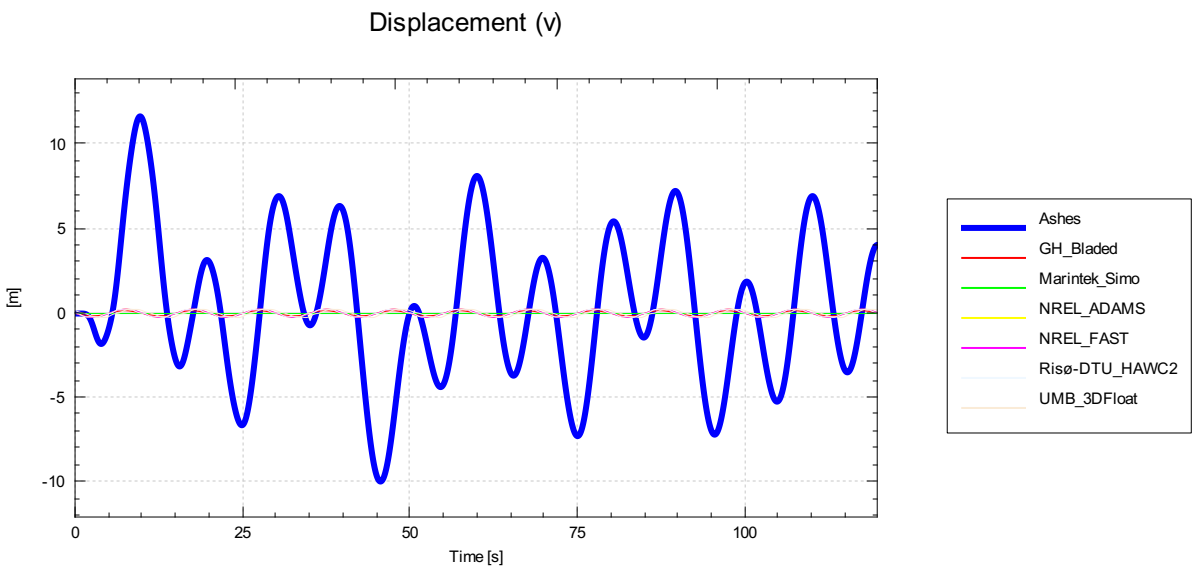


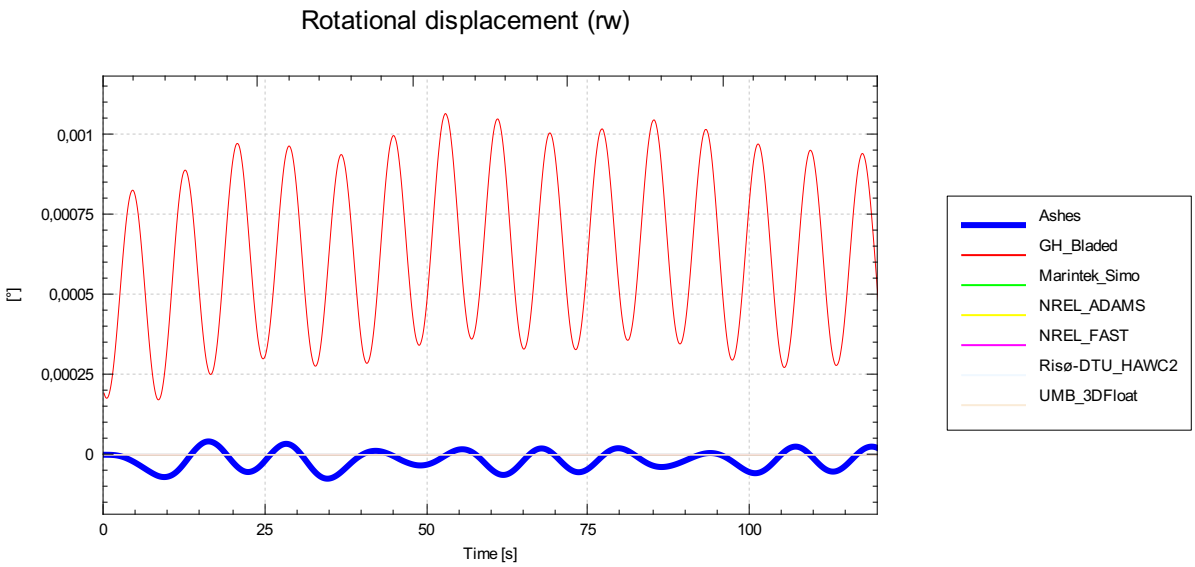




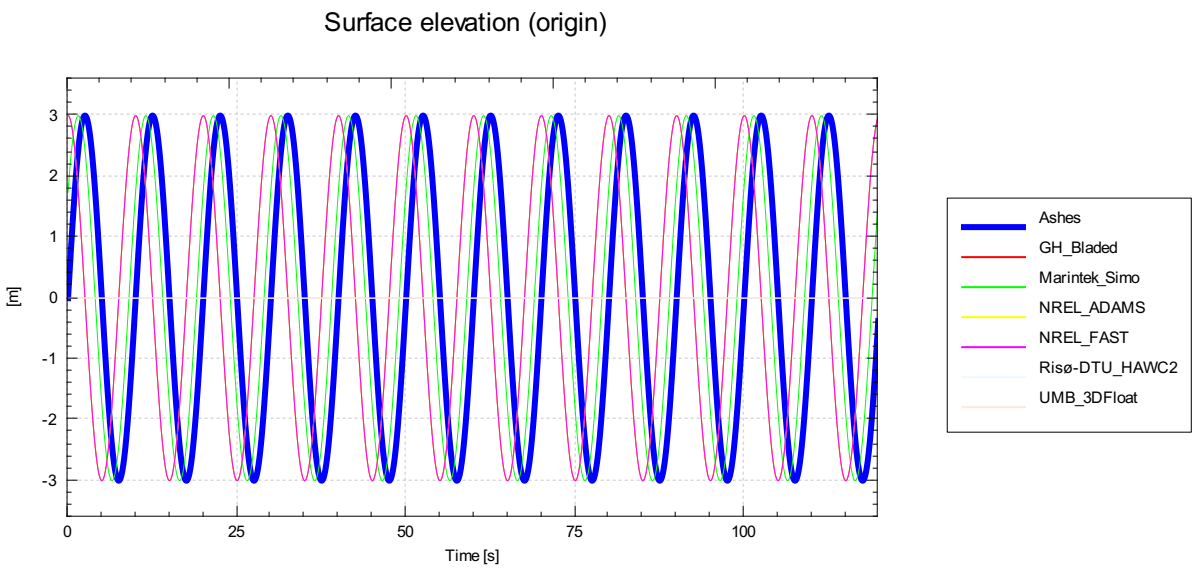
Sensor Node [Node RNA_node | Tubular tower]



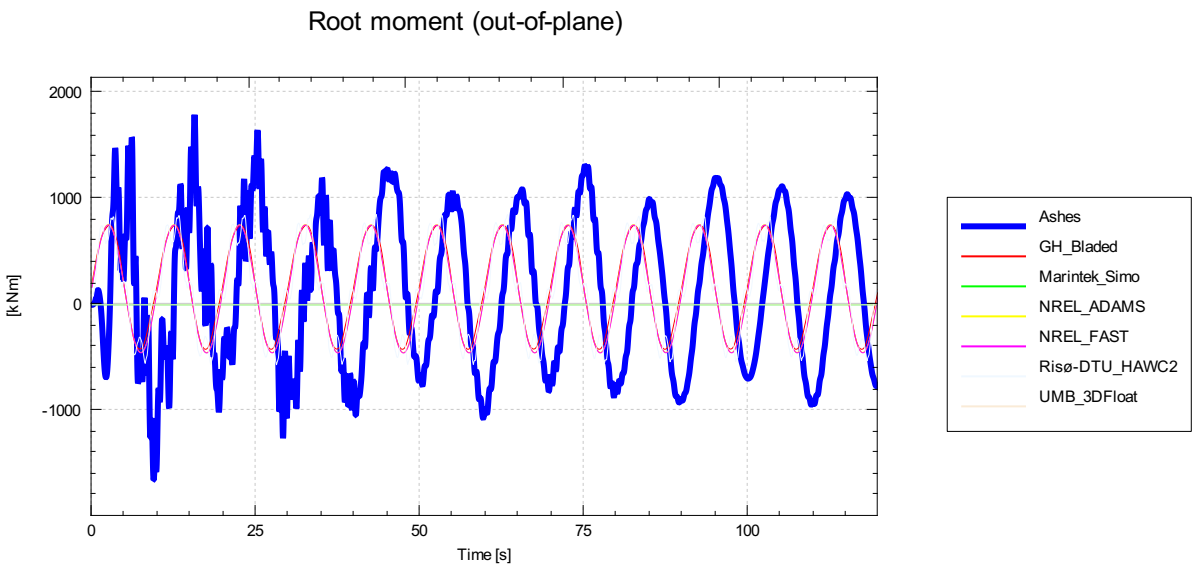

Displacement (v)
[m]
10
5
0
-5
-10
0
25
50
75
100
Time [s]
Ashes
GH_Bladed
Marintek_Simo
NREL_ADAMS
NREL_FAST
Risø-DTU_HAWC2
UMB_3DFloat


Rotational displacement (rw)
[°]
0,001
0,00075
0,0005
0,00025
0
0
25
50
75
100
Time [s]
Ashes
GH_Bladed
Marintek_Simo
NREL_ADAMS
NREL_FAST
Risø-DTU_HAWC2
UMB_3DFloat

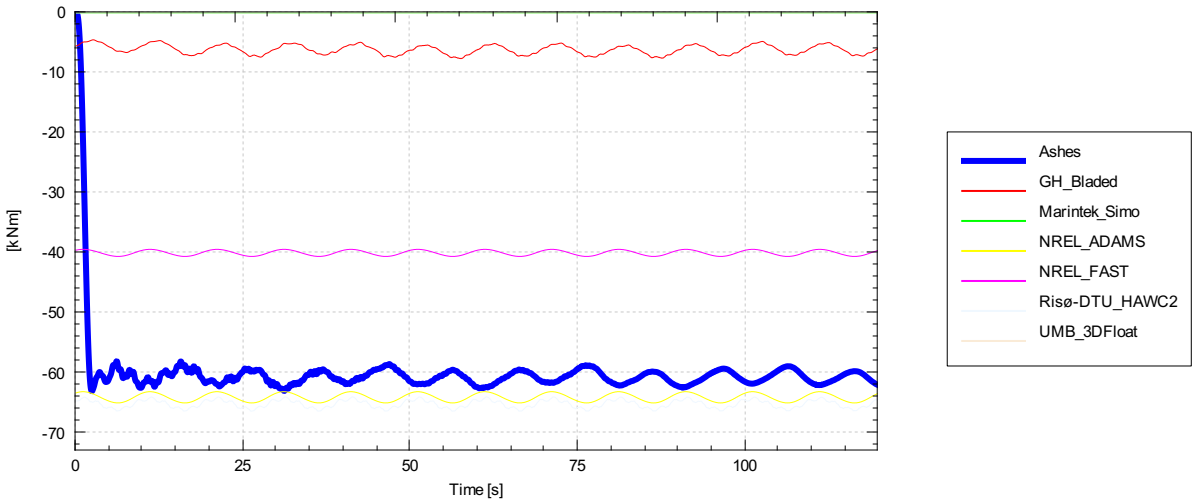
Sensor Sea



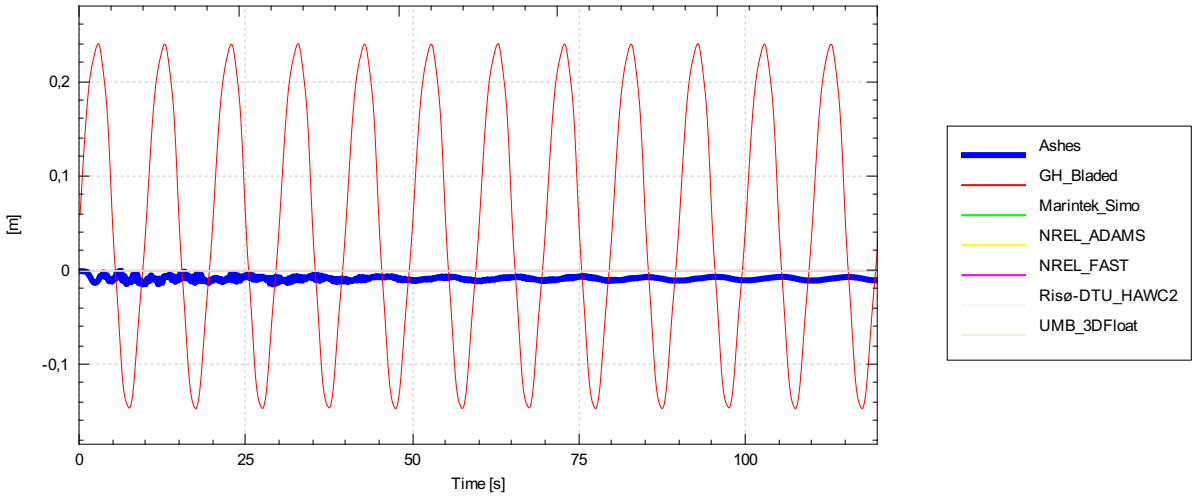
Sensor Blade [Time] [Blade 1]



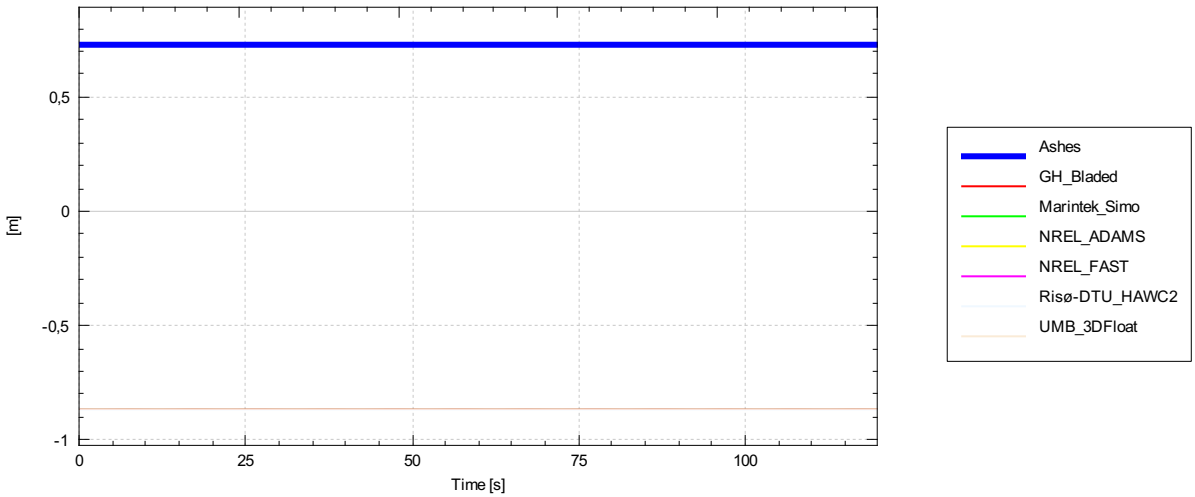
Root moment (in-plane)

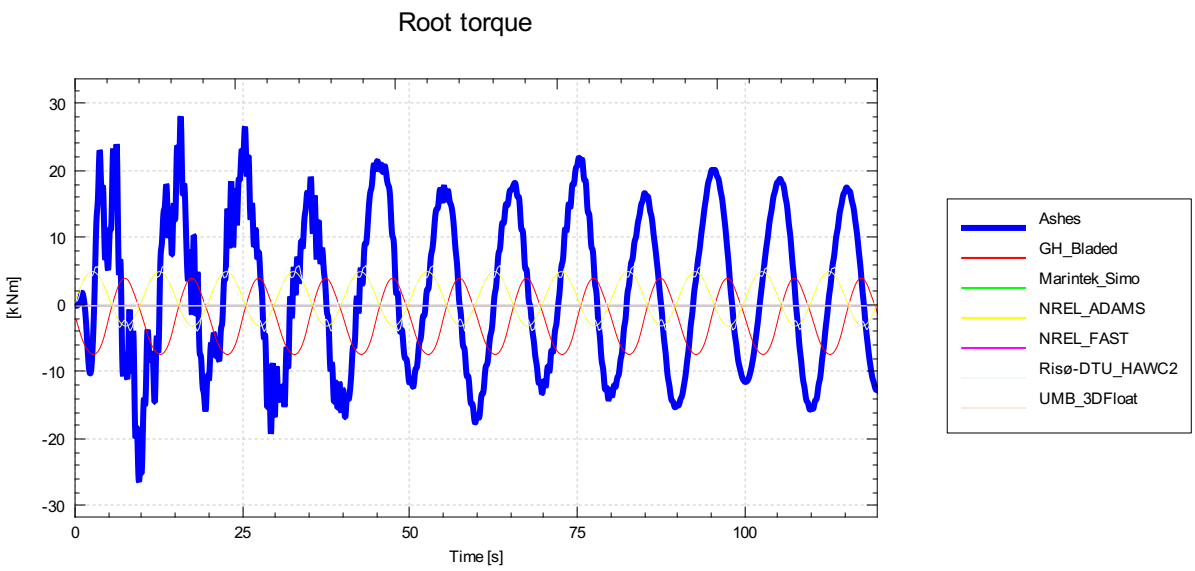


Tip deflection (out-of-plane)



Tip deflection (in-plane)




Root torque
30
20
10
0
-10
-20
-30
[kNm]
0
25
50
75
100
Time [s]
Ashes
GH_Bladed
Marintek_Simo
NREL_ADAMS
NREL_FAST
Risø-DTU_HAWC2
UMB_3DFloat