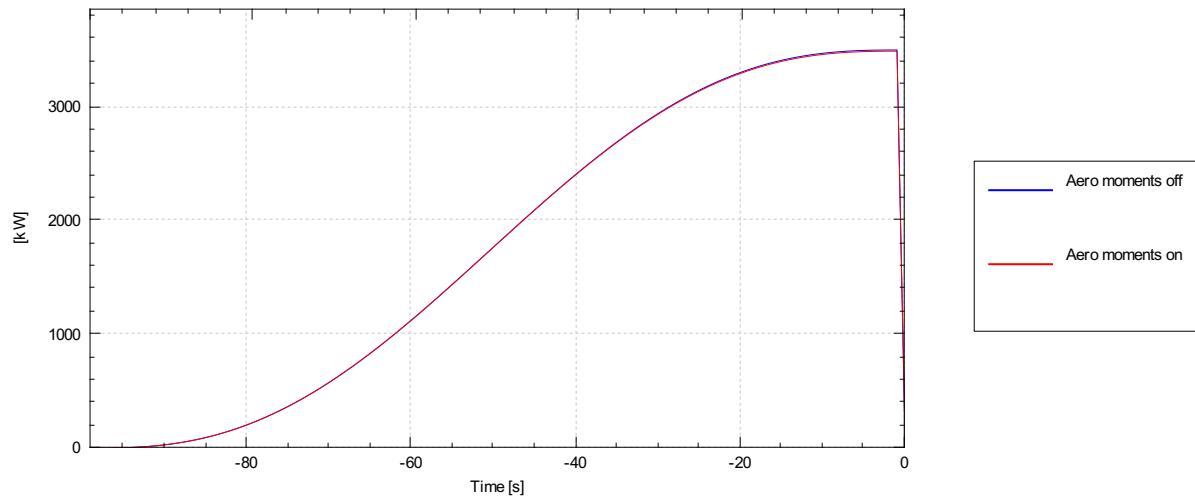


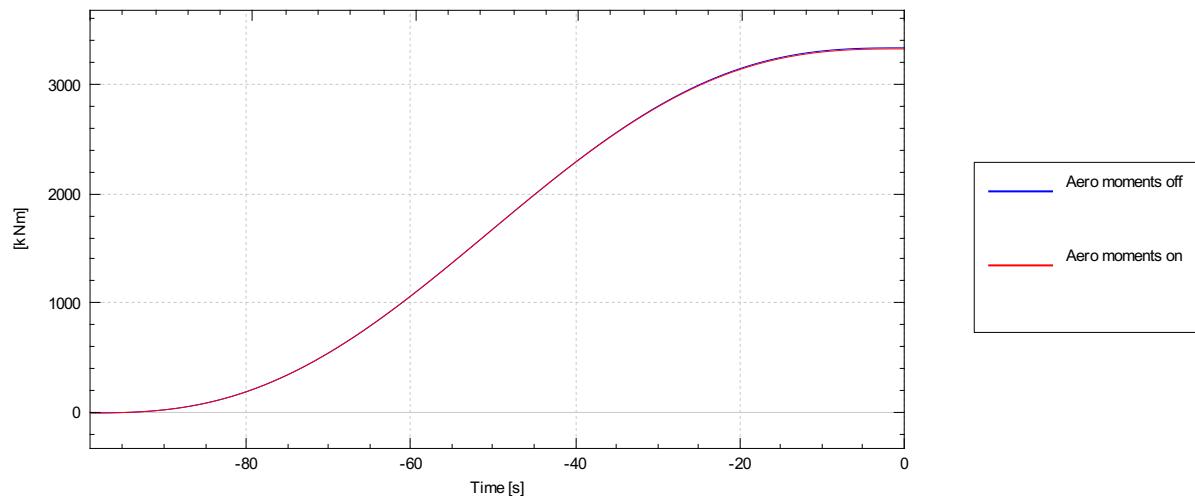
## Comparison of load cases

### Sensor Rotor

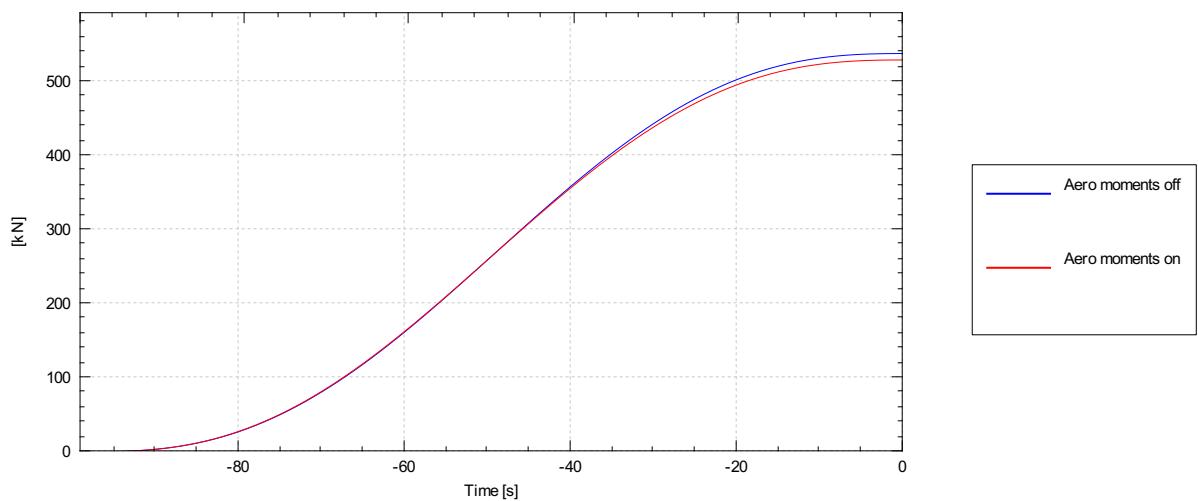
Power (aero)



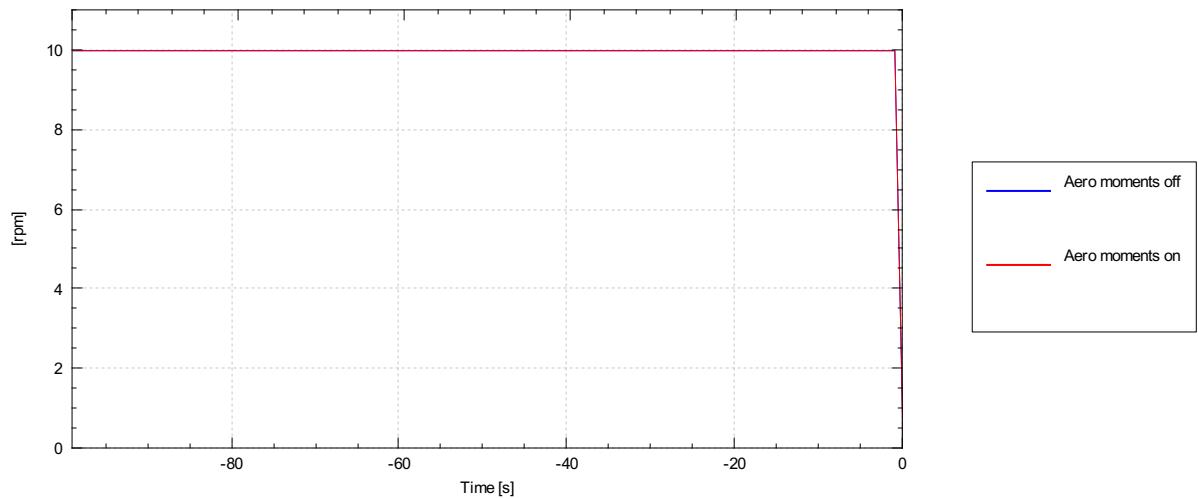
Torque (aero)



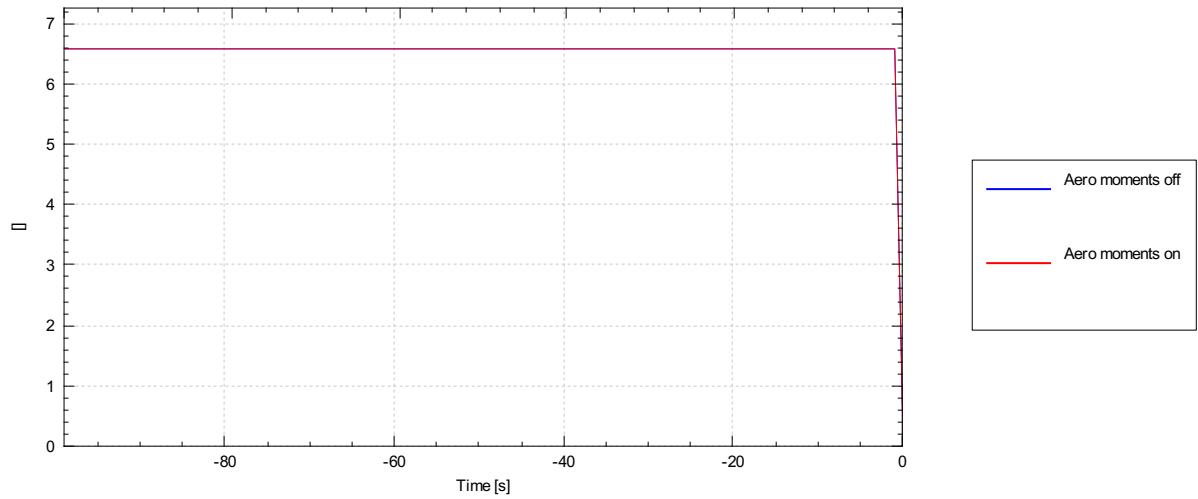
Thrust (aero)



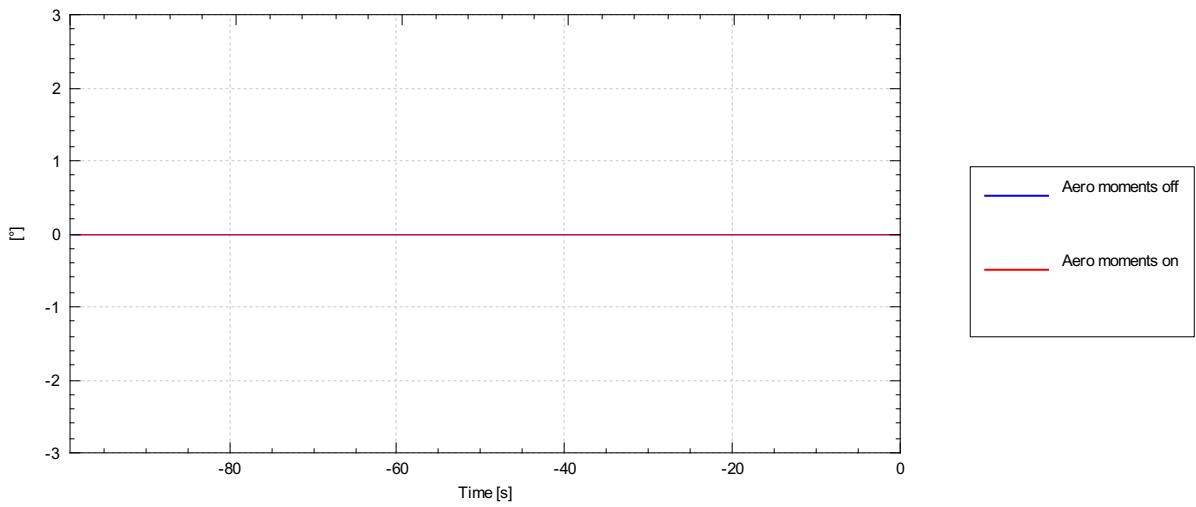
RPM



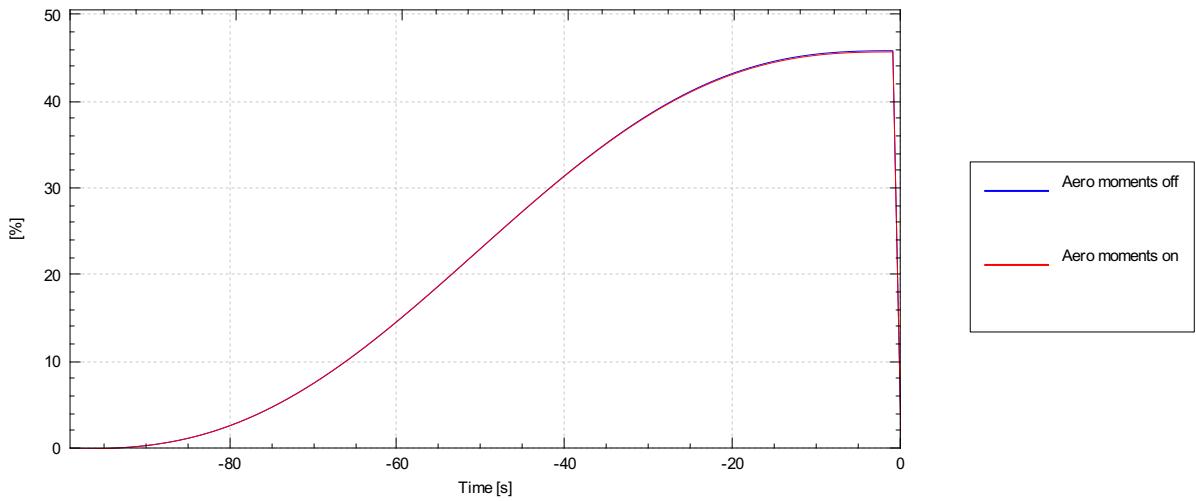
TSR



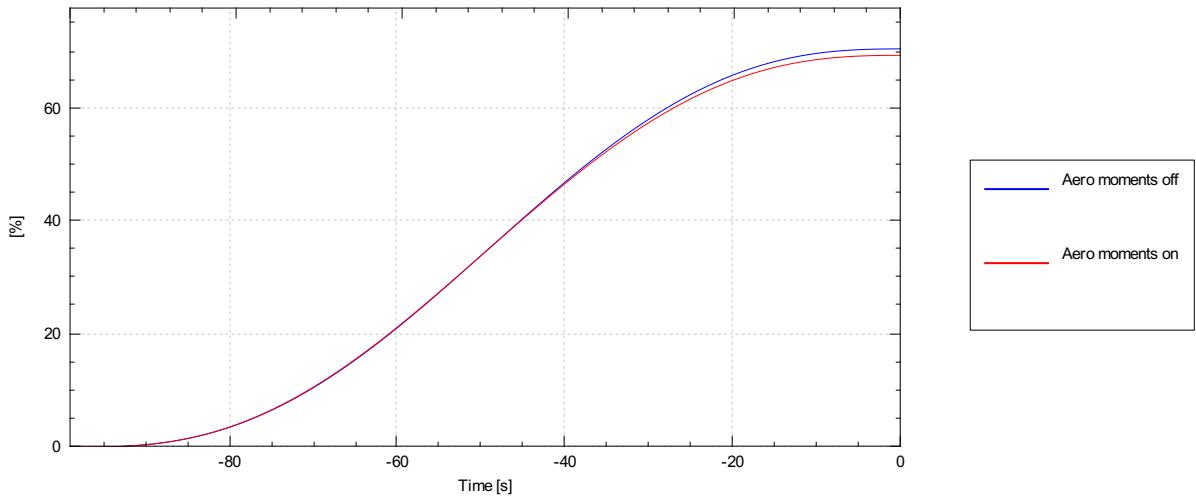
Demanded collective pitch angle



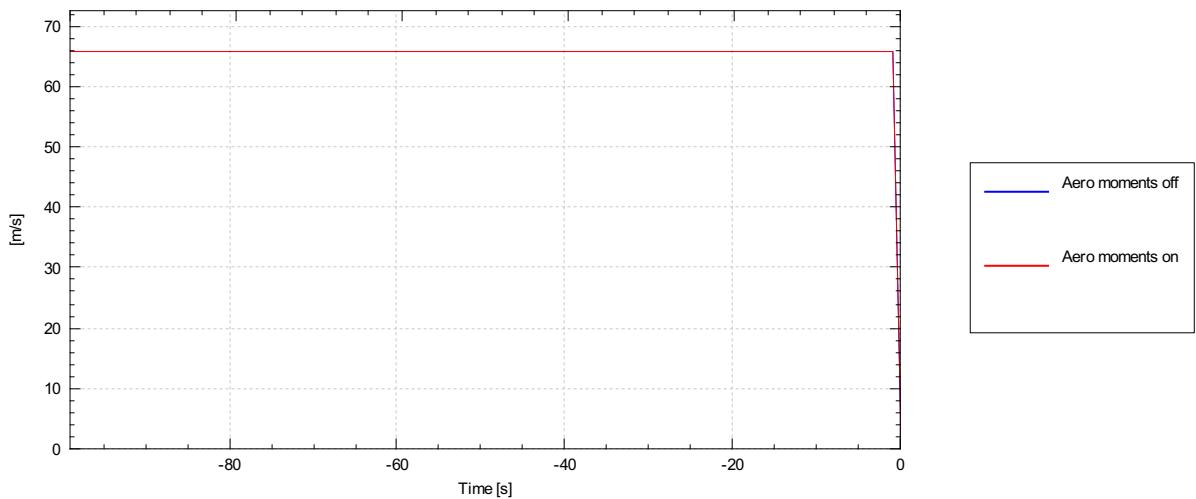
Power coef. (CP)



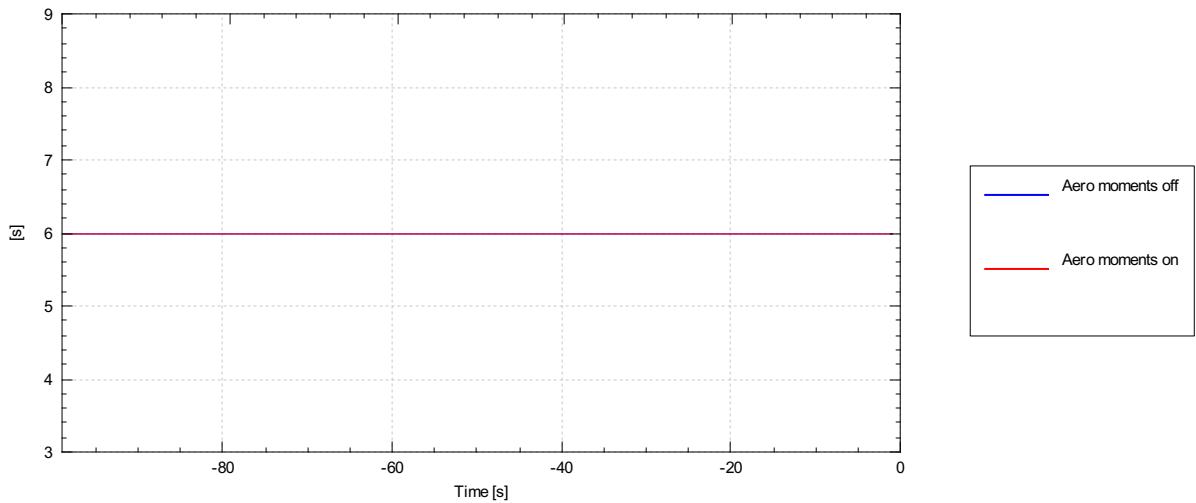
Thrust coef. (CT)



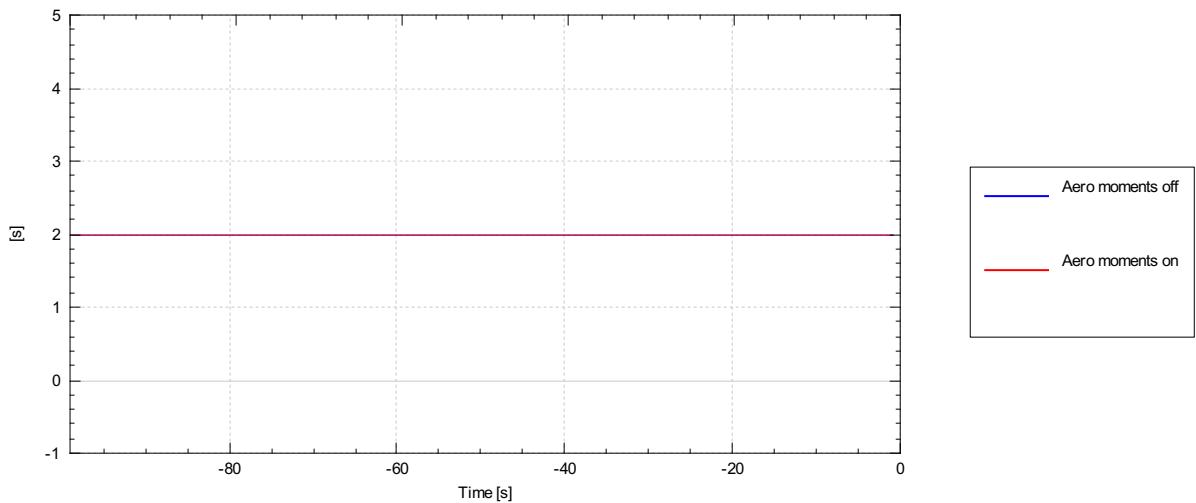
Tip speed



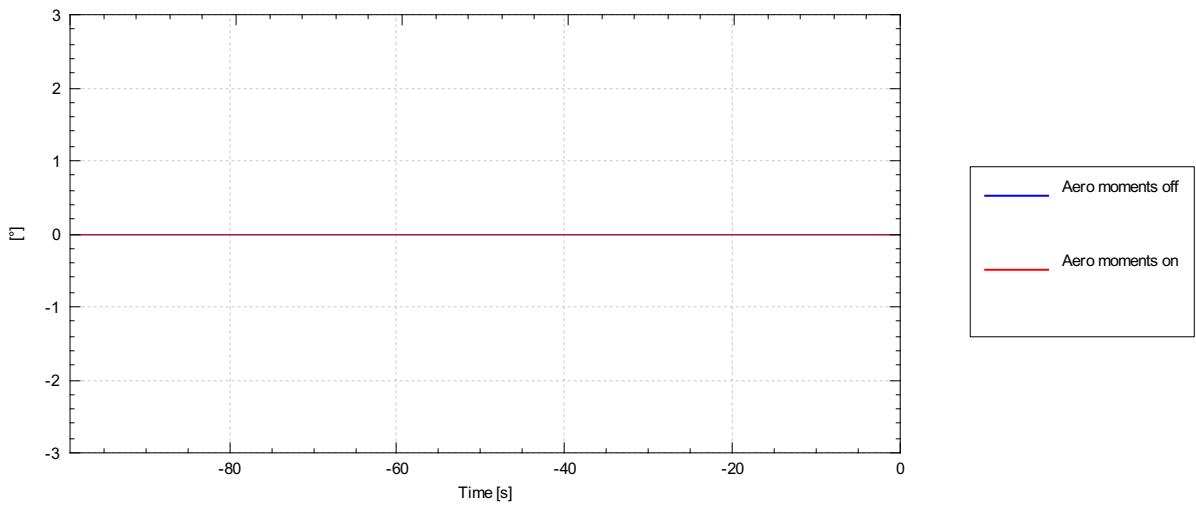
1P (one revolution)



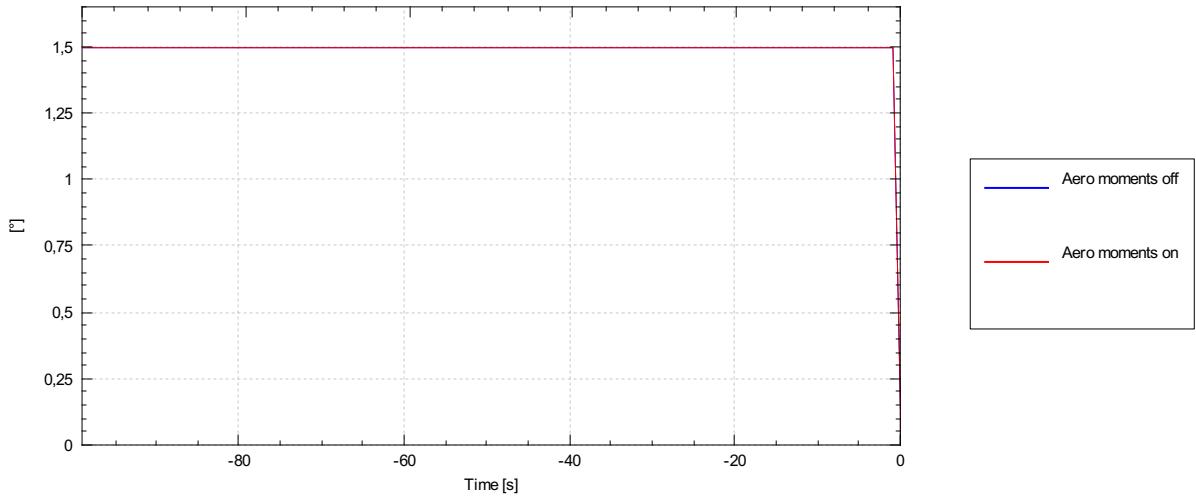
nP (blade passing)



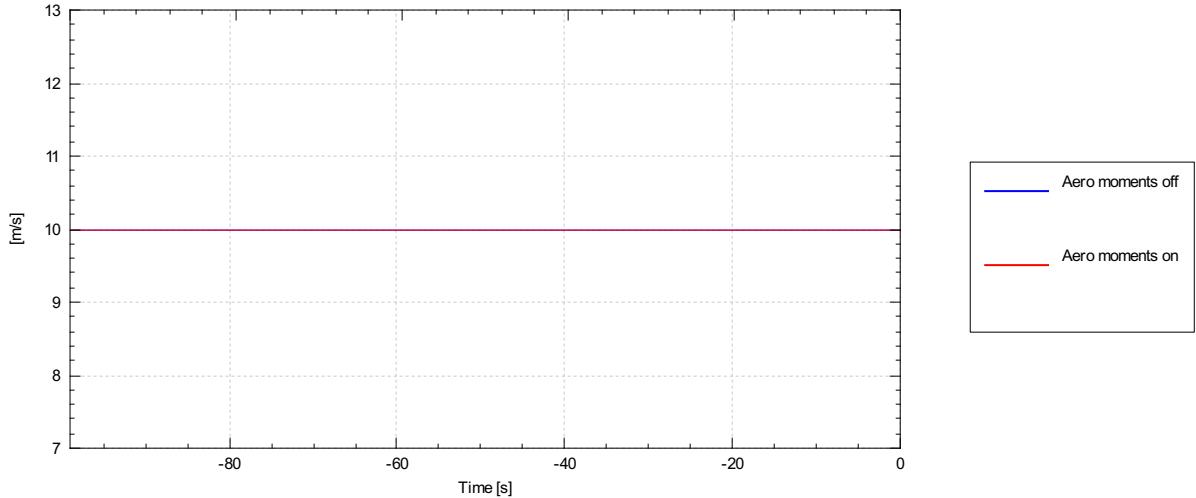
Azimuth angle



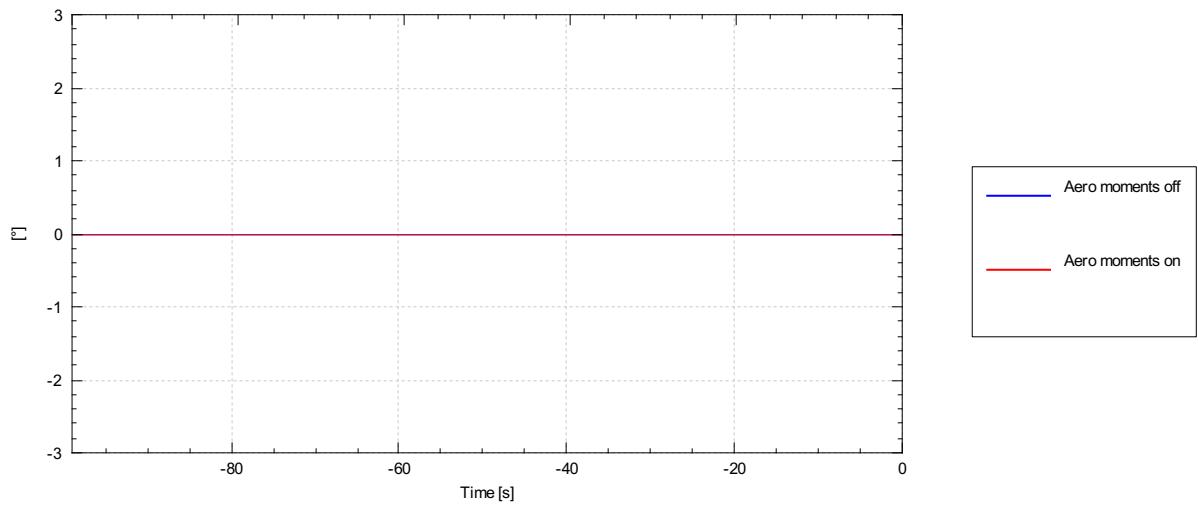
Rotation per timestep



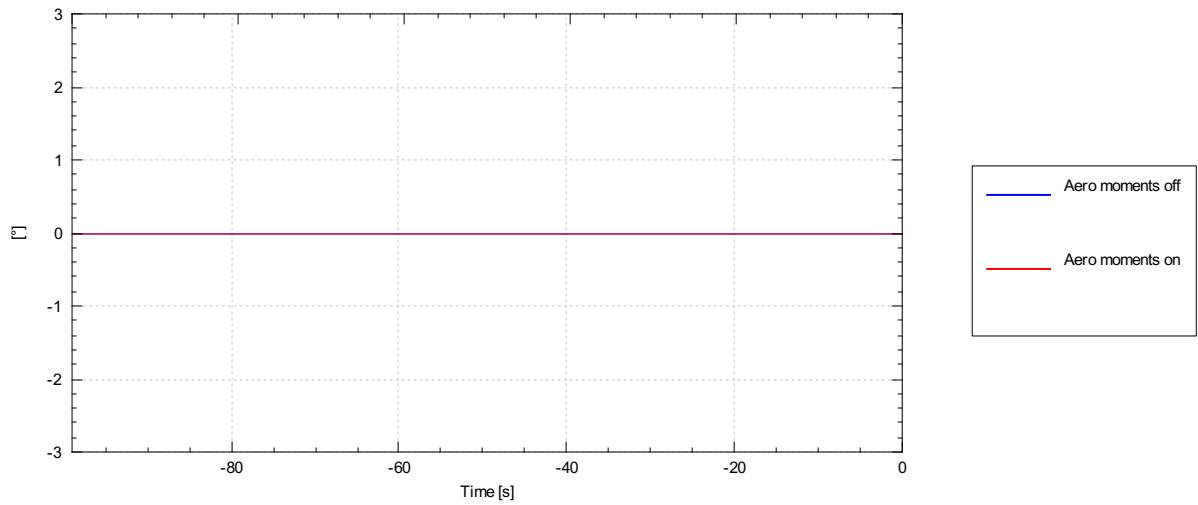
Wind speed at hub, magnitude



Wind angle at hub

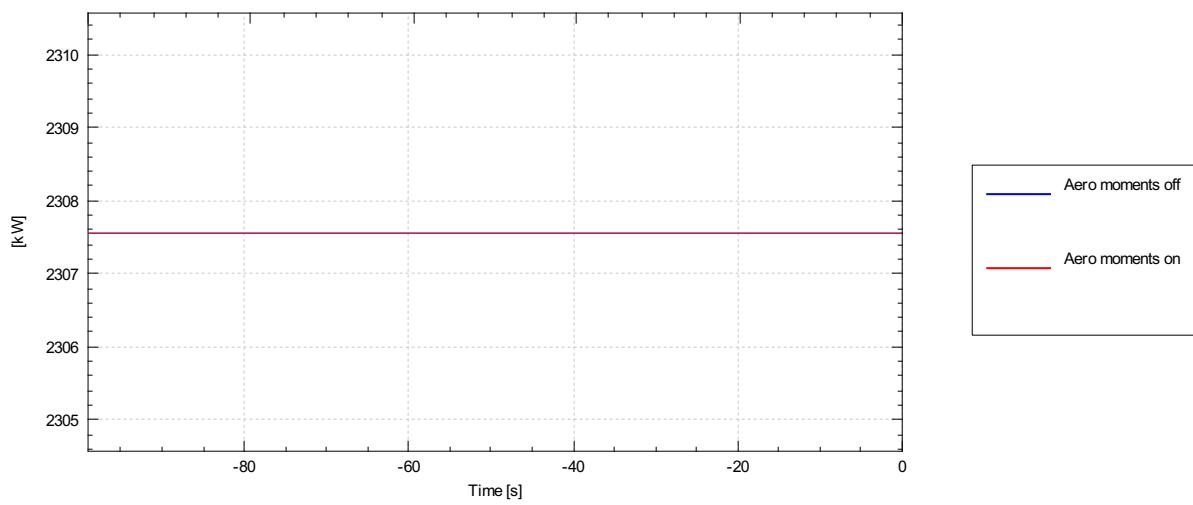


Yaw angle

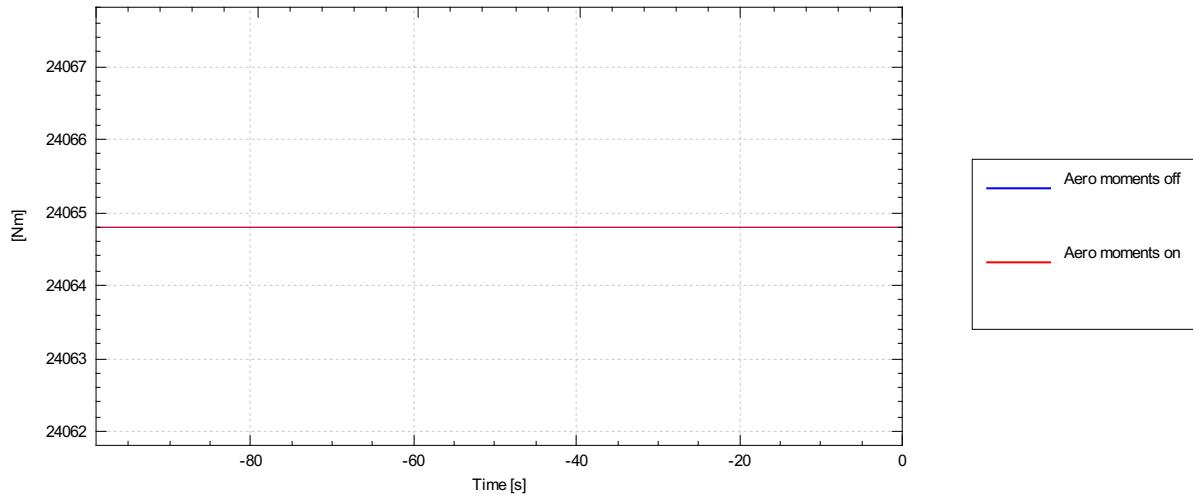


## Sensor Generator

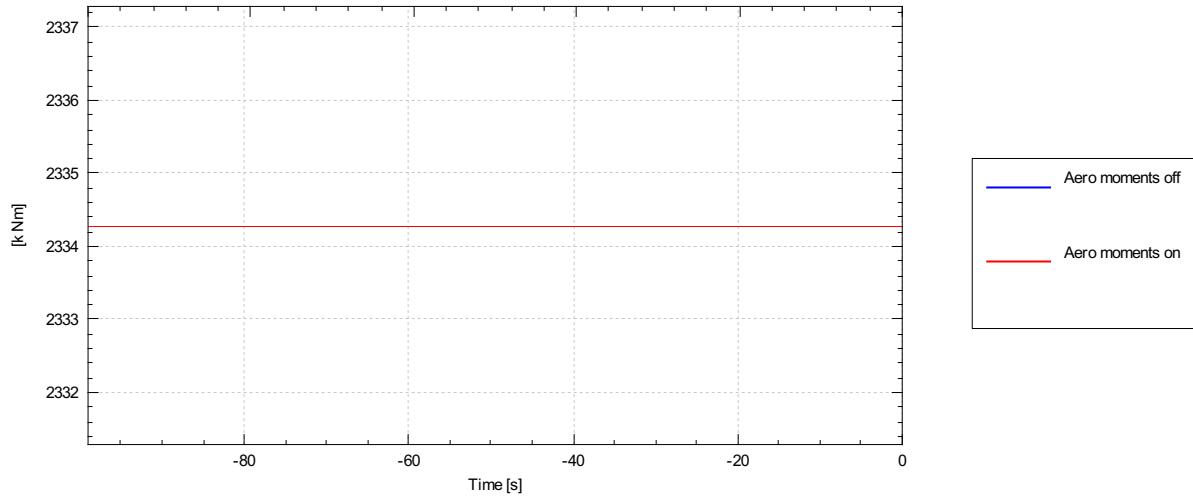
### Power (electrical)



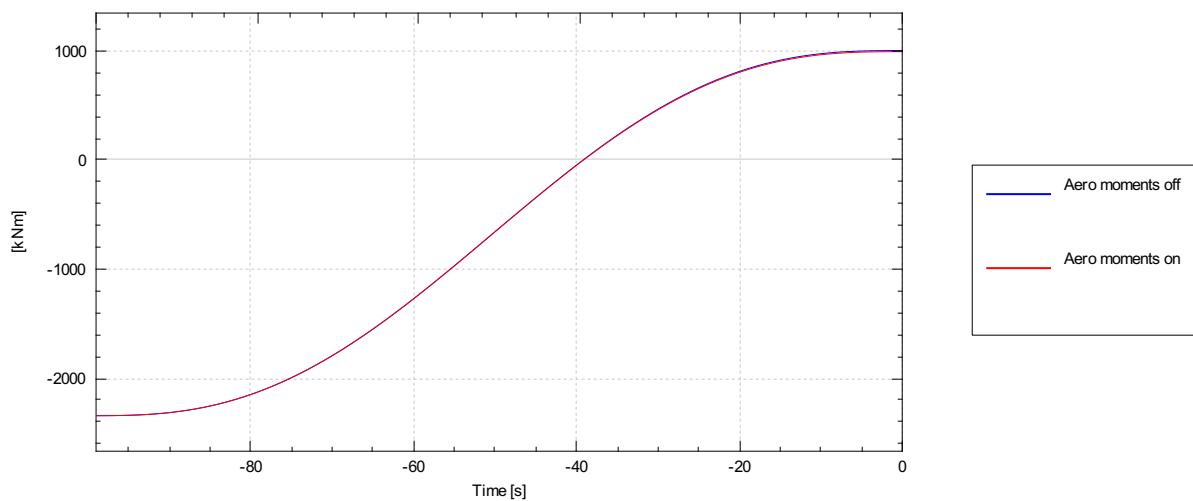
### Torque



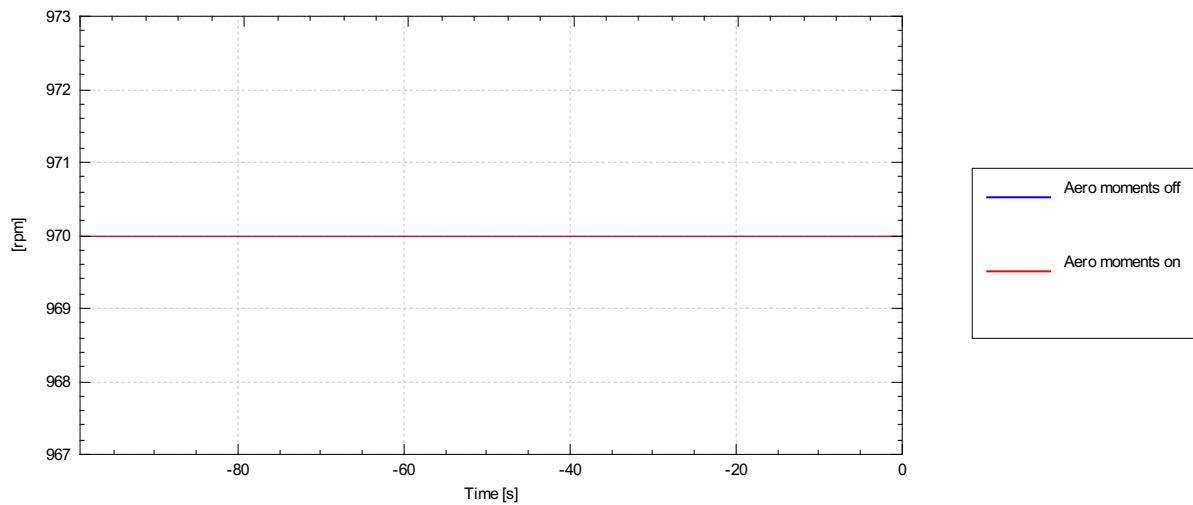
### Torque on main shaft



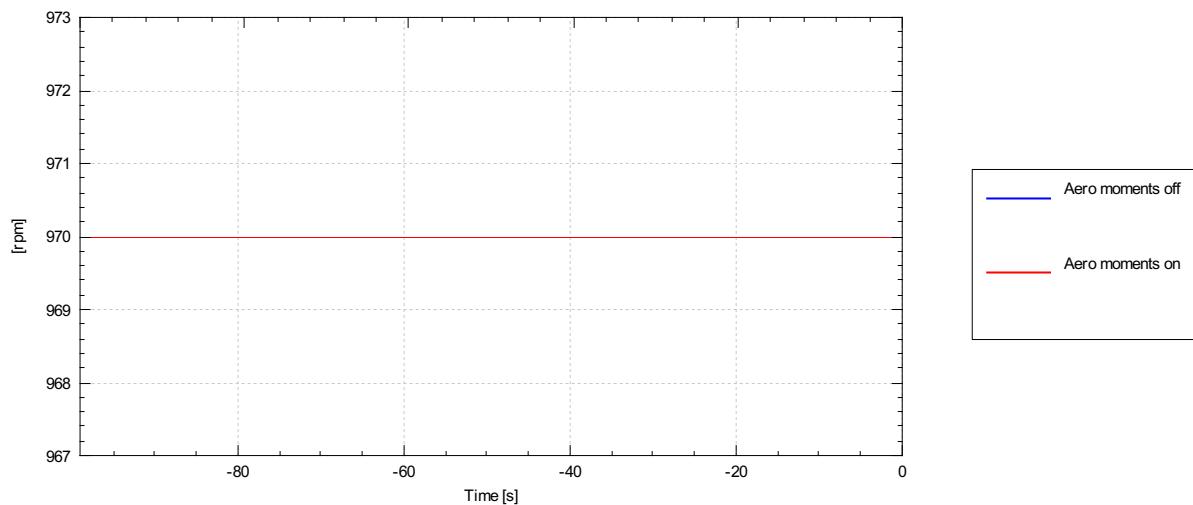
### Torque diff. on main shaft



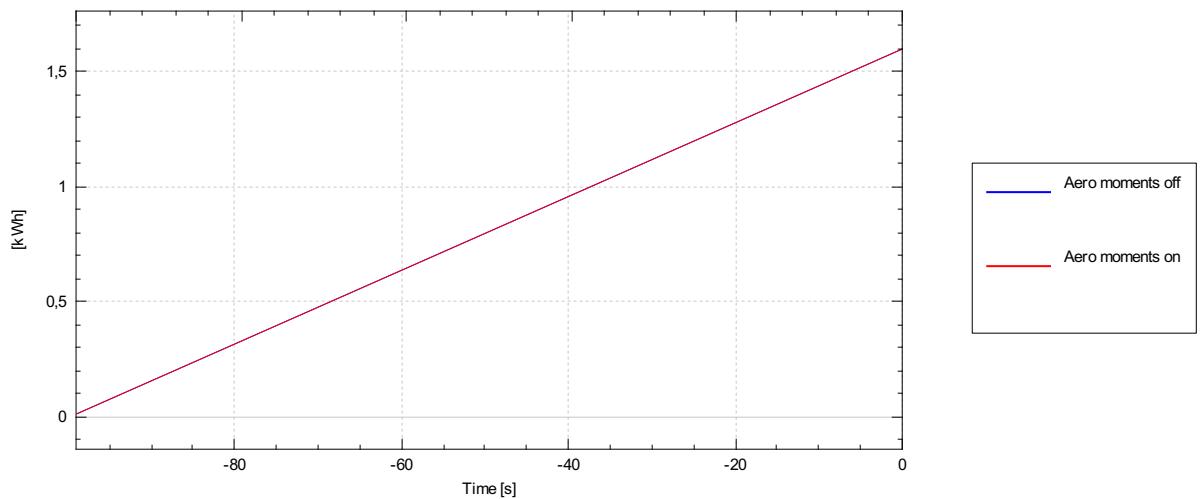
### RPM



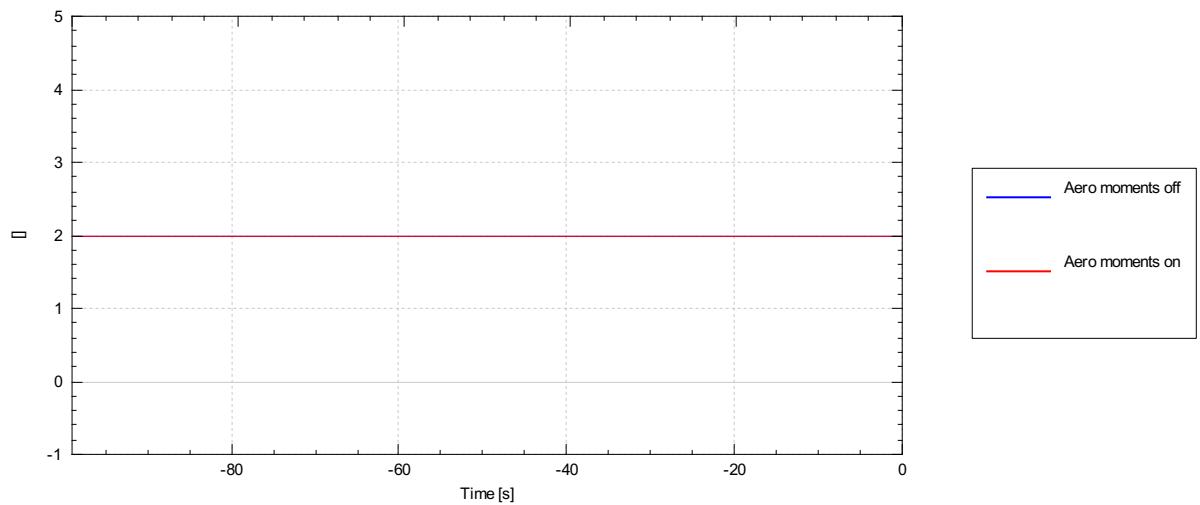
### Filtered RPM



### Electricity production

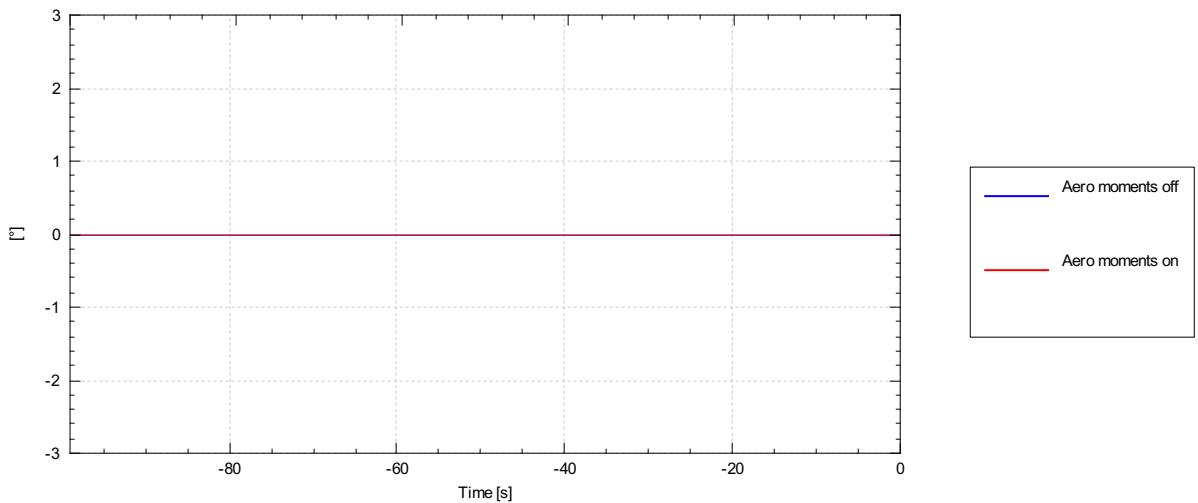


### Region

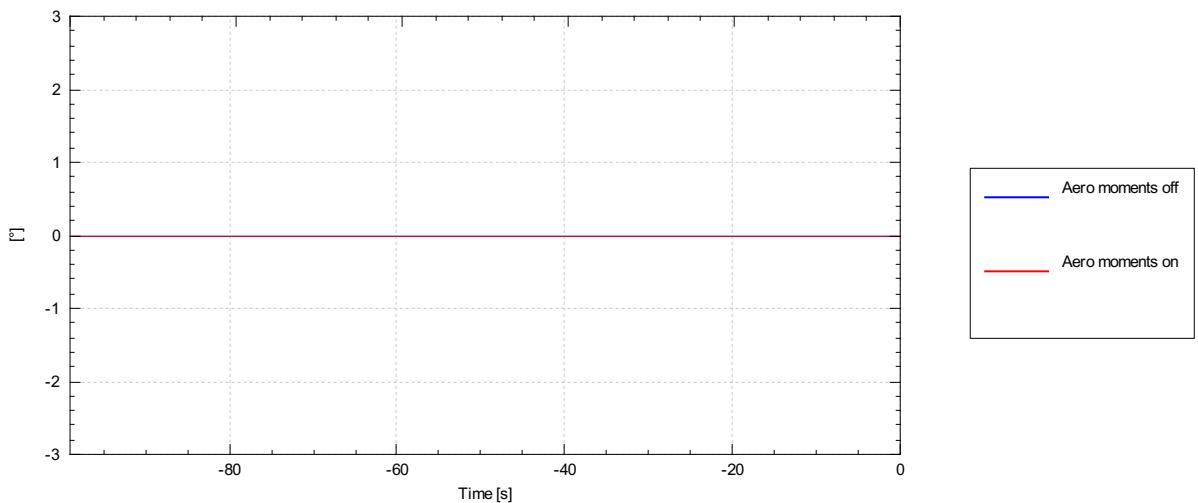


### Sensor Demanded pitch controller

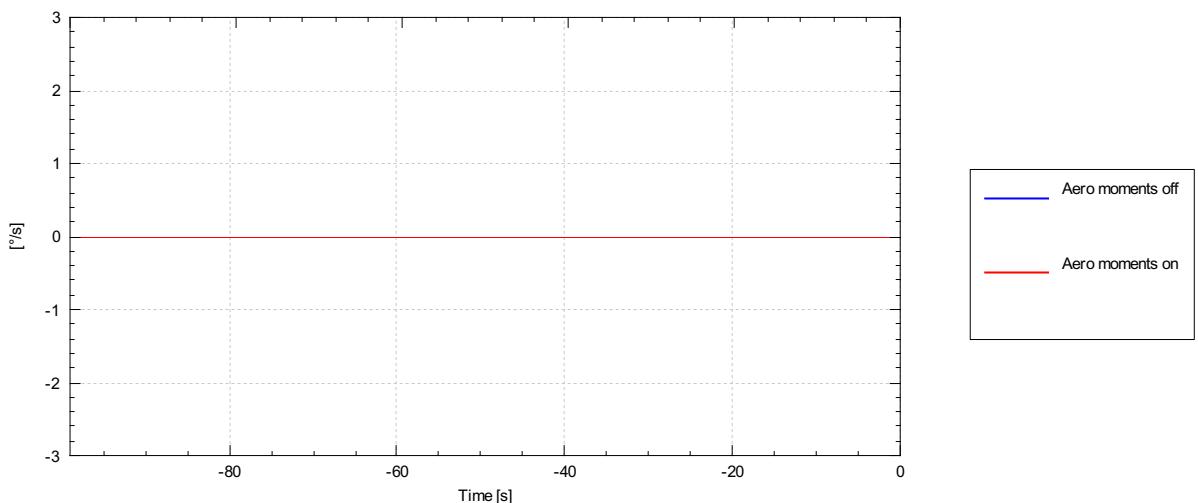
Demanded collective pitch angle



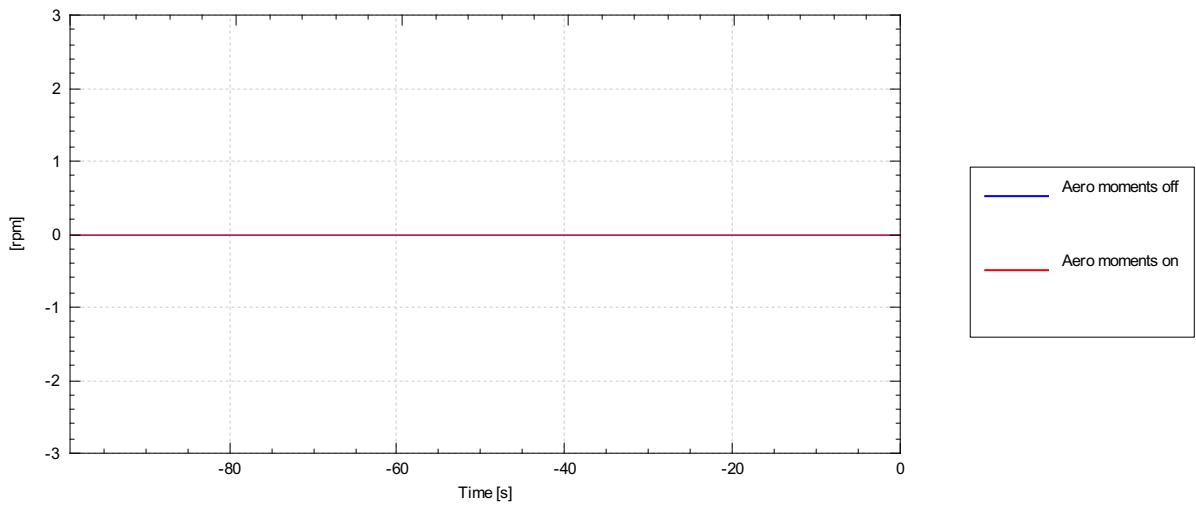
Cumulative demanded collective pitch angle



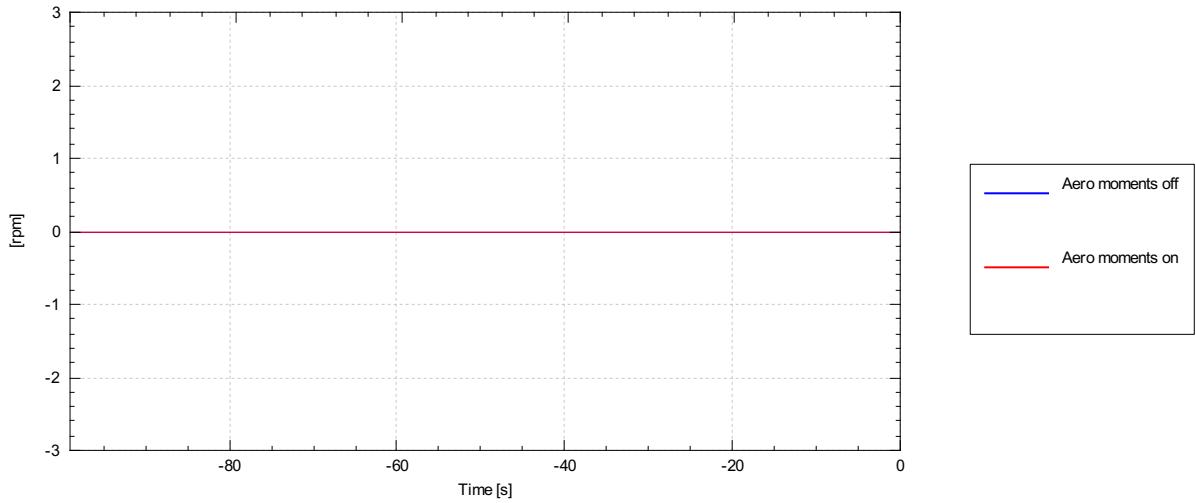
Demanded collective pitch angle rate



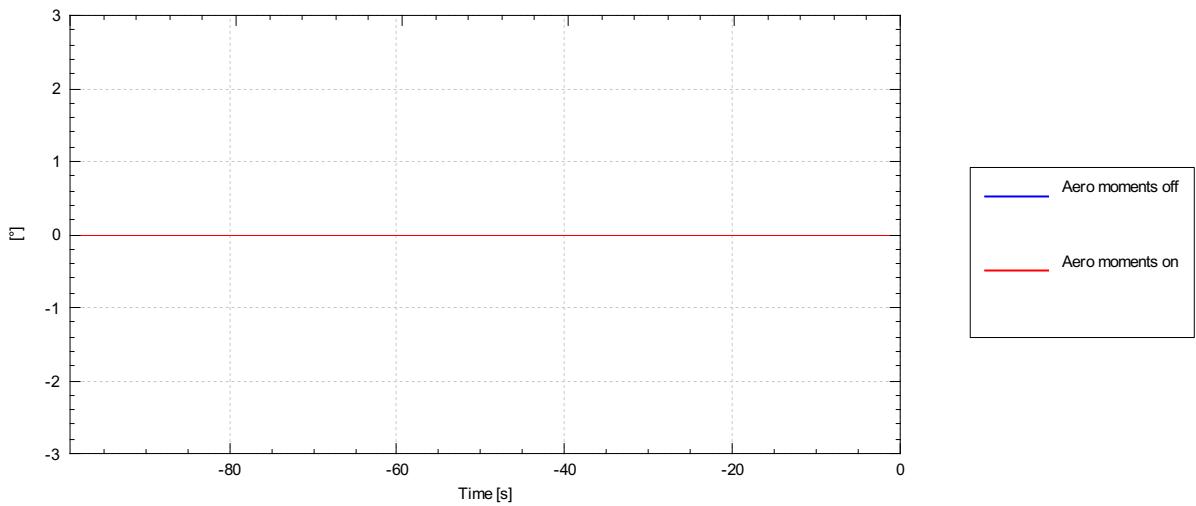
Set point



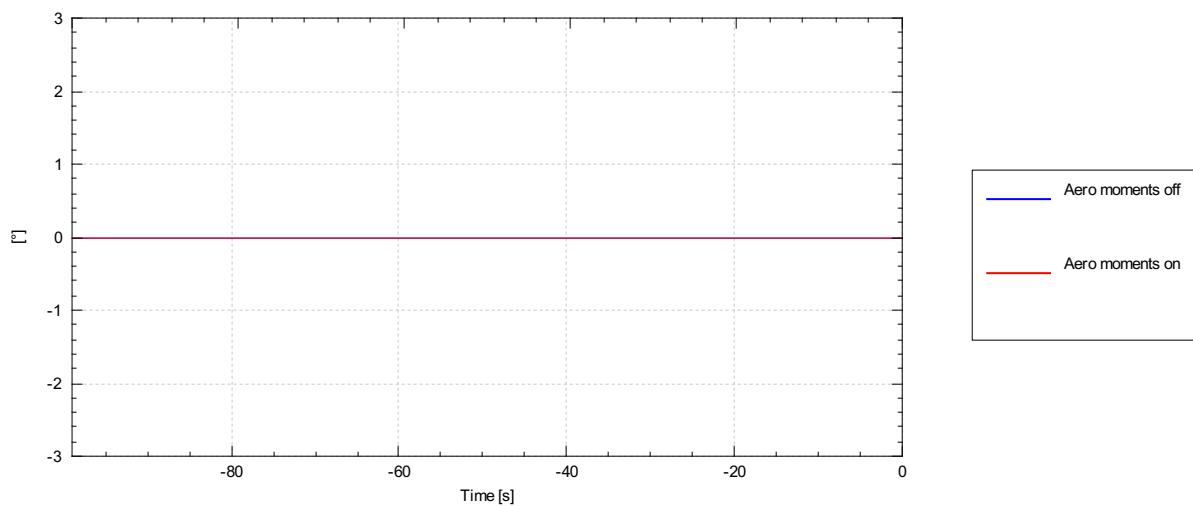
RPM error



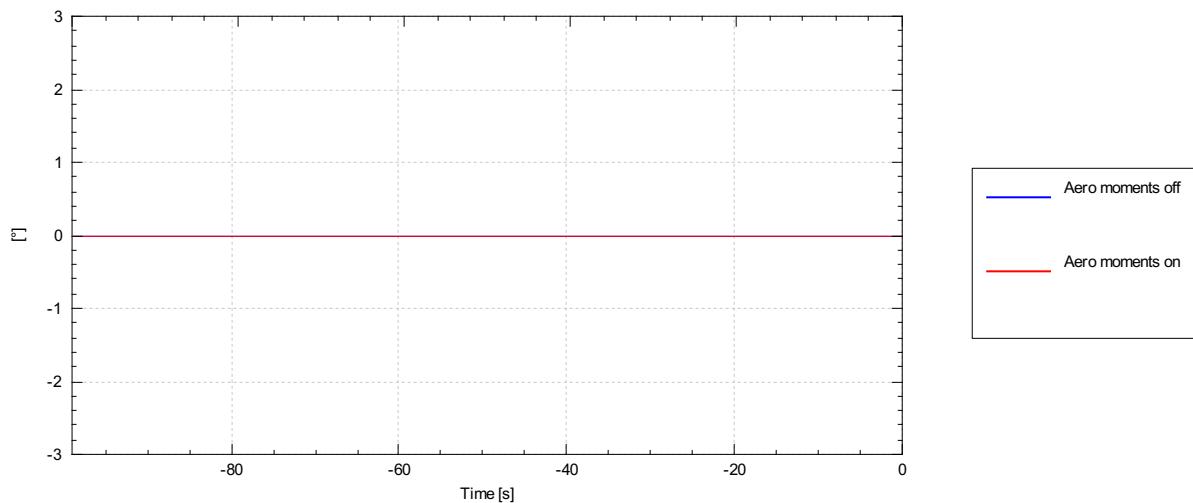
P term



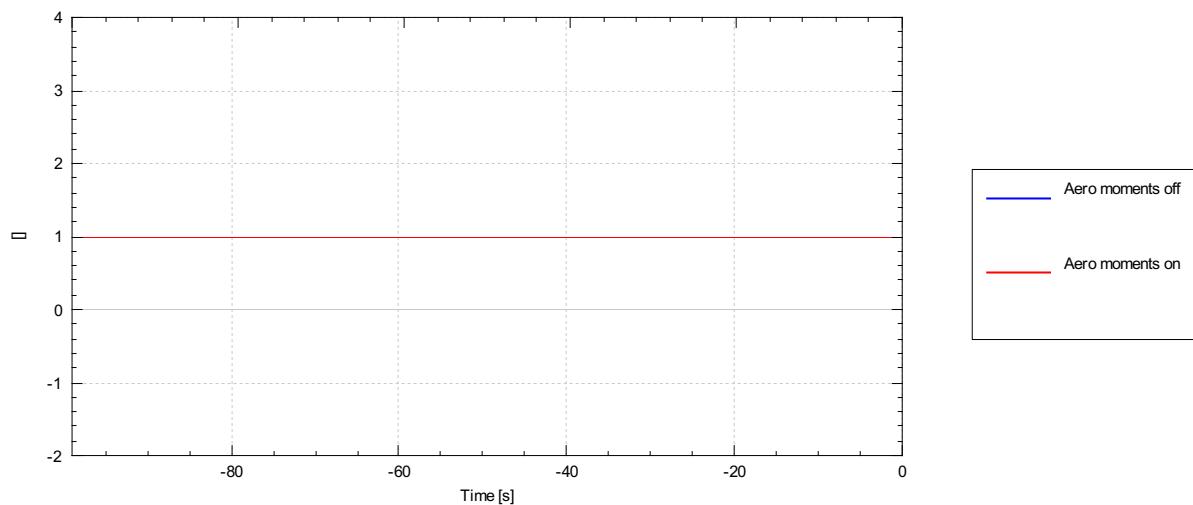
I term



D term

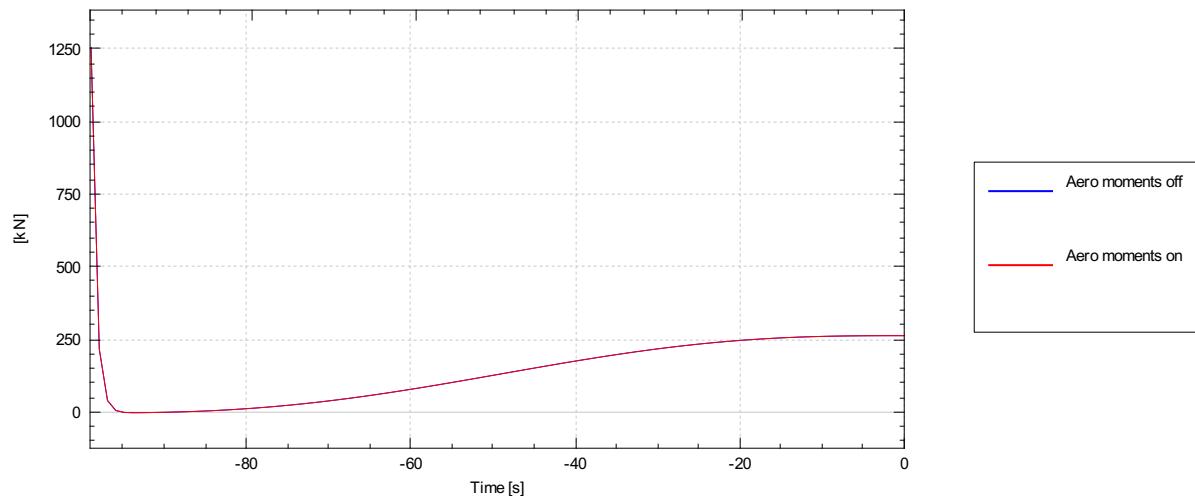


Gain scheduling factor

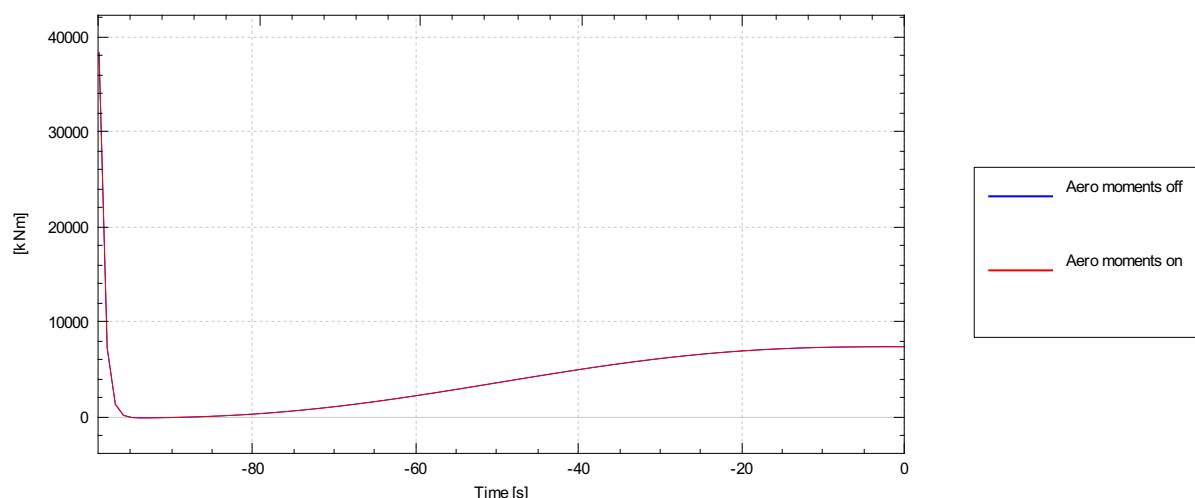


## Sensor Blade [Time] [Blade 1]

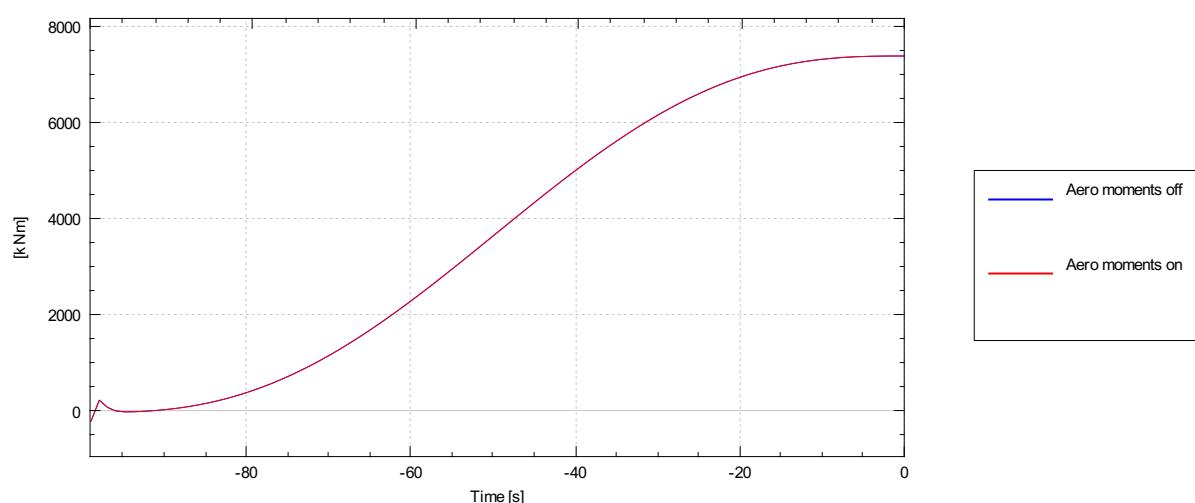
Root force (magnitude)



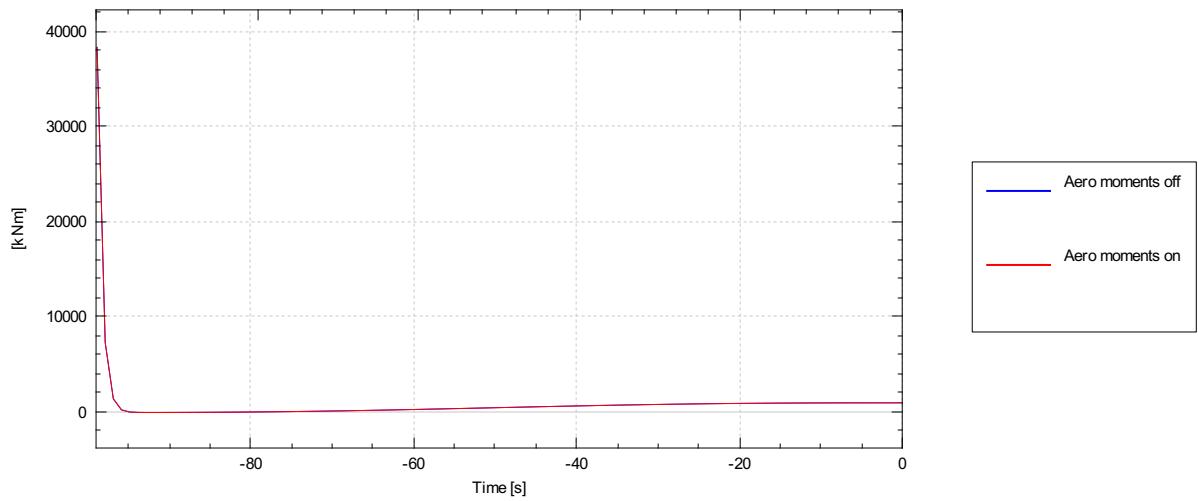
Root moment (magnitude)



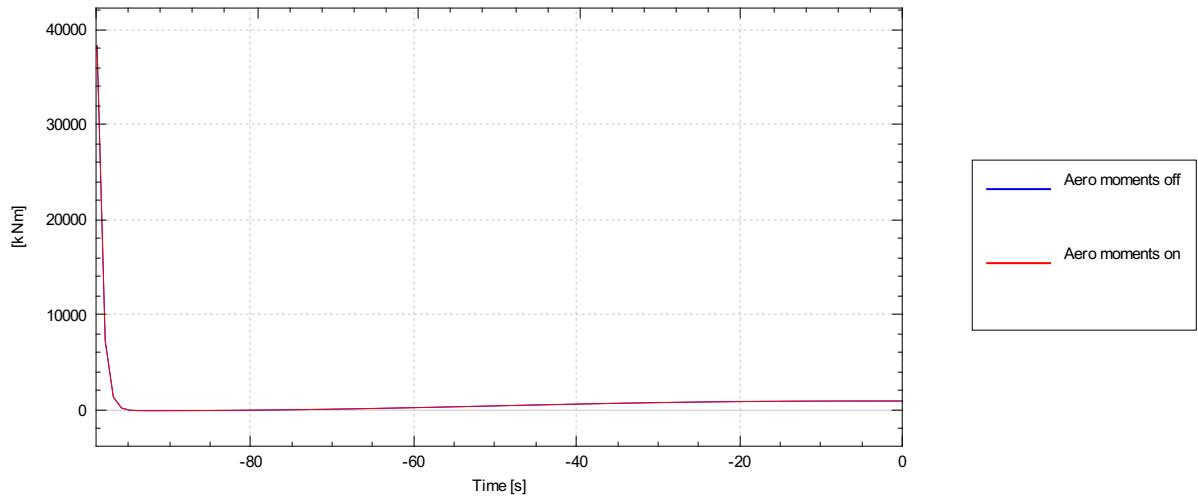
Root moment (out-of-plane)



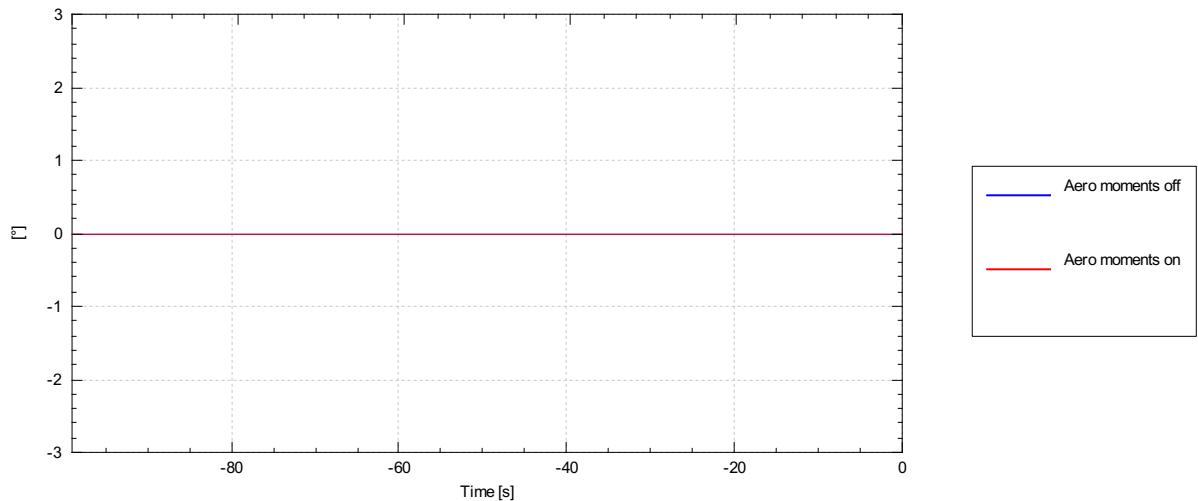
Root moment (in-plane)



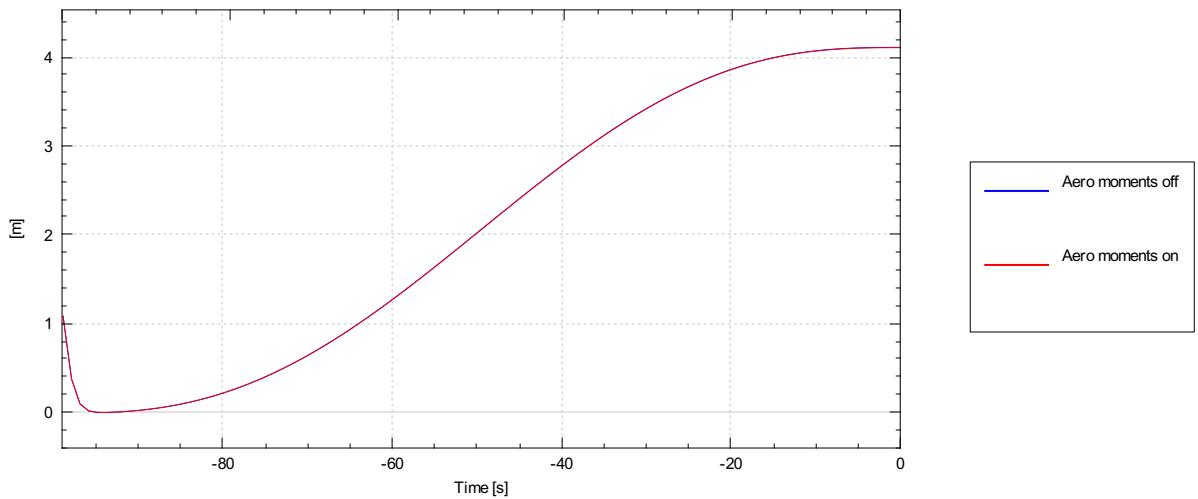
Root moment about shaft



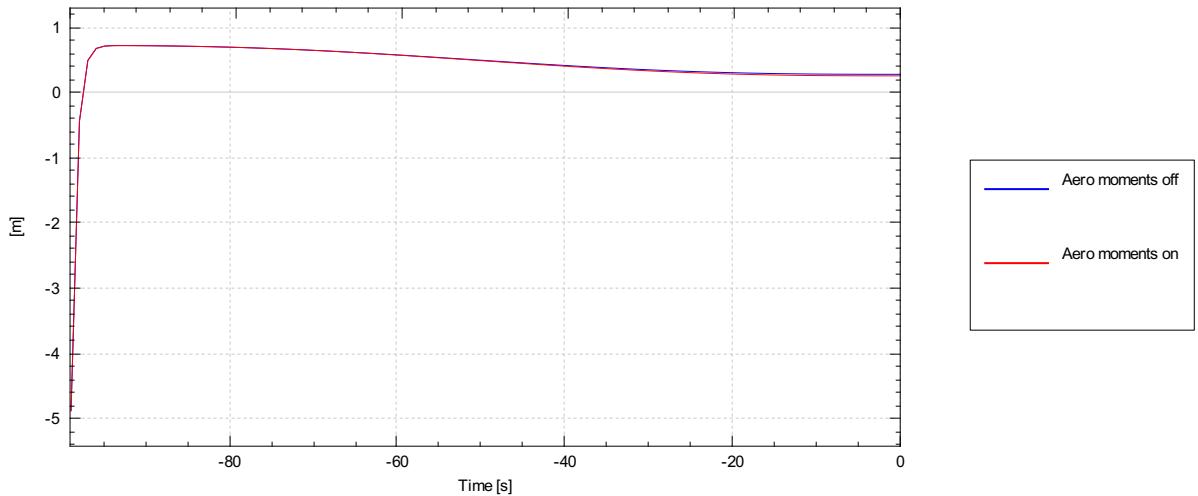
Pitch angle



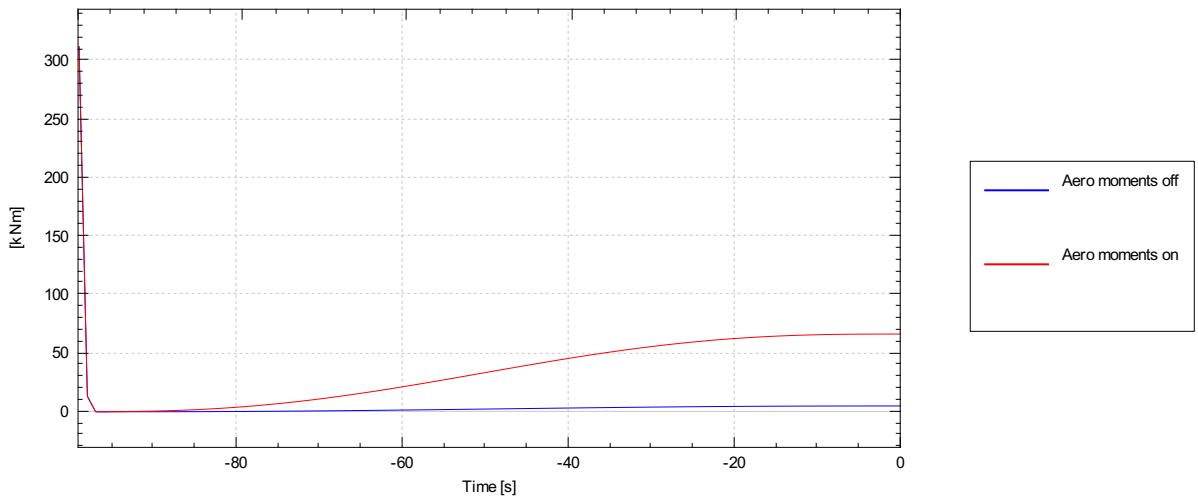
Tip deflection (out-of-plane)



Tip deflection (in-plane)

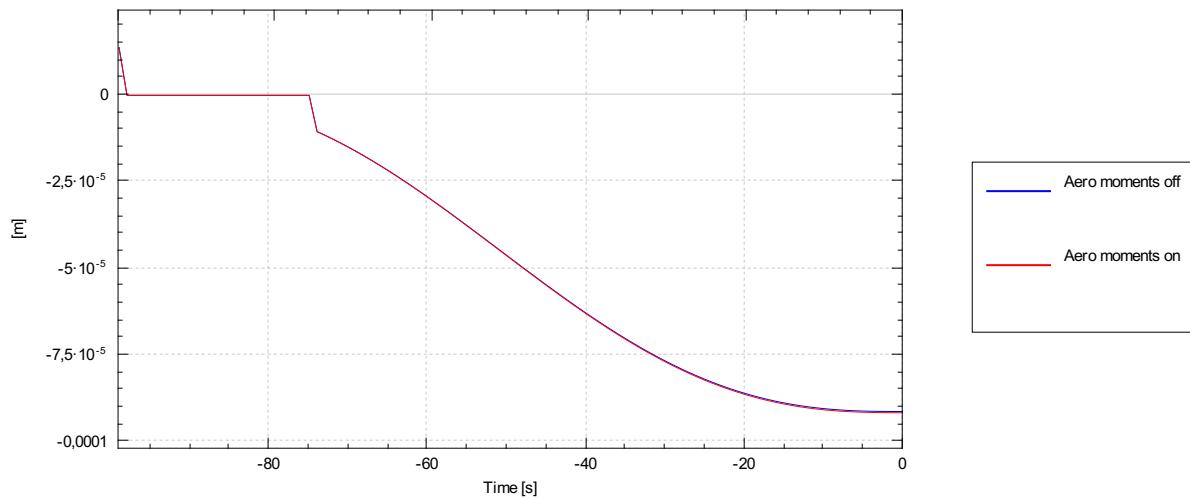


Root torque

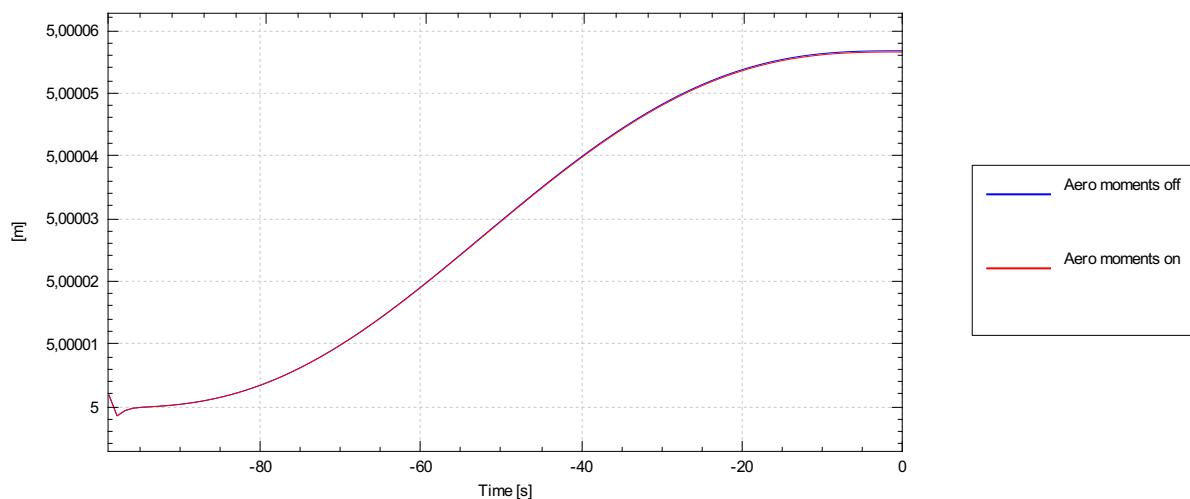


## Sensor Node [Node Hub | Hub]

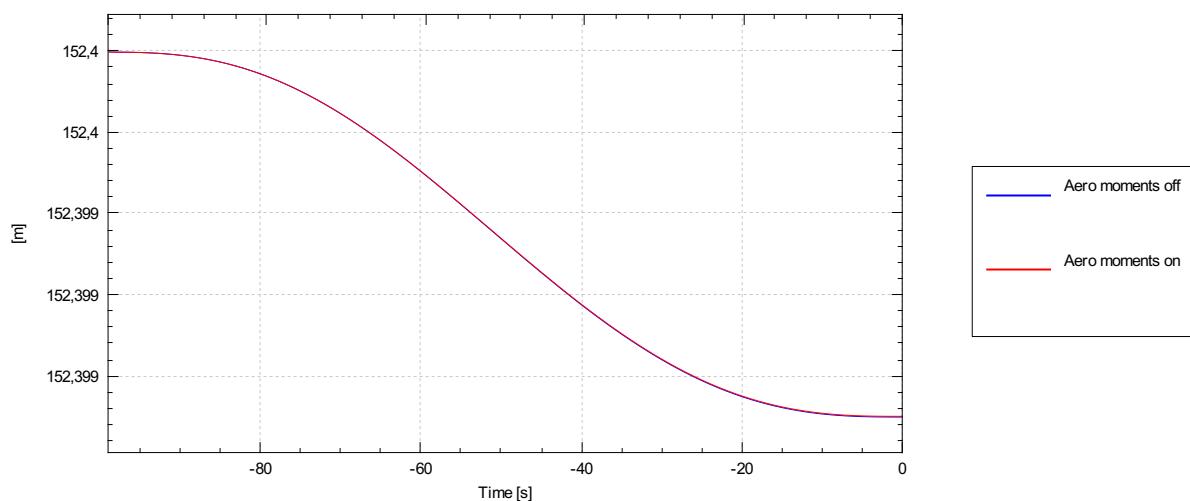
Position (x)



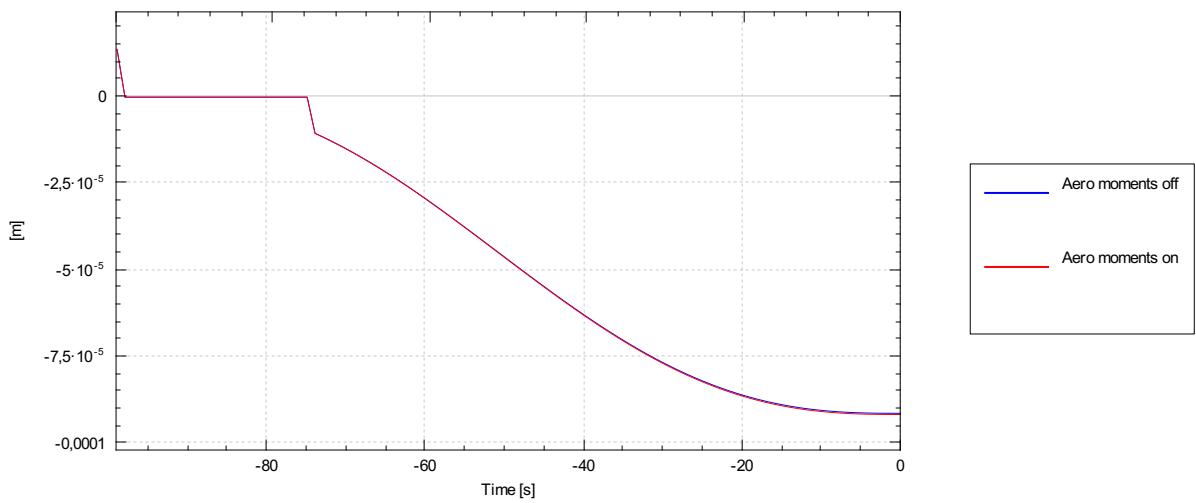
Position (y)



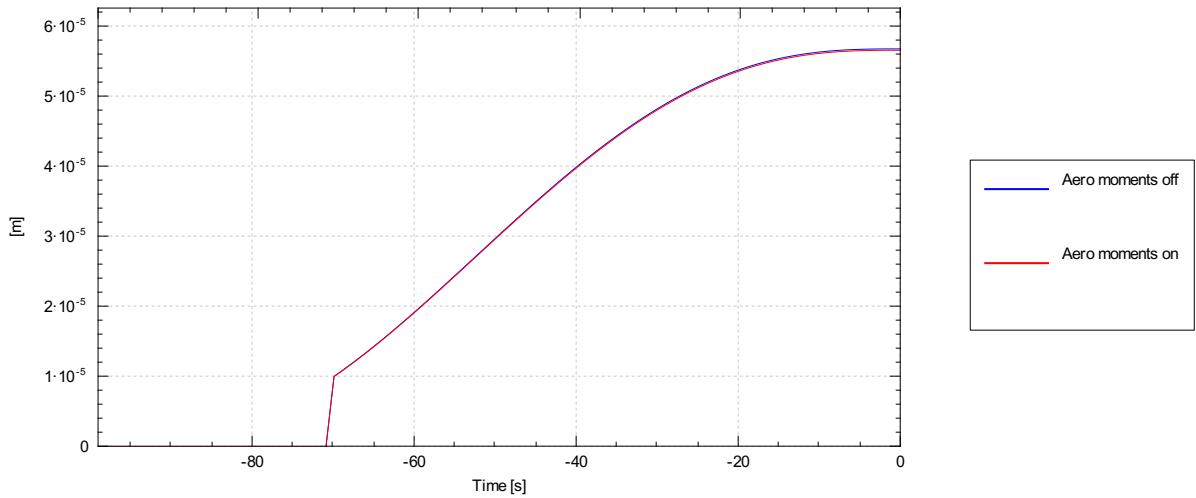
Position (z)



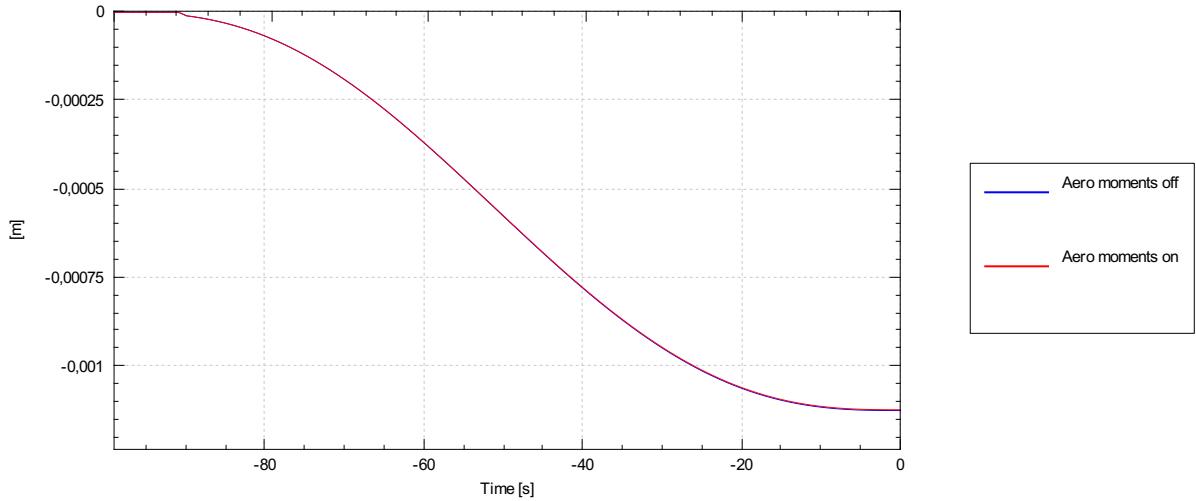
Displacement (u)



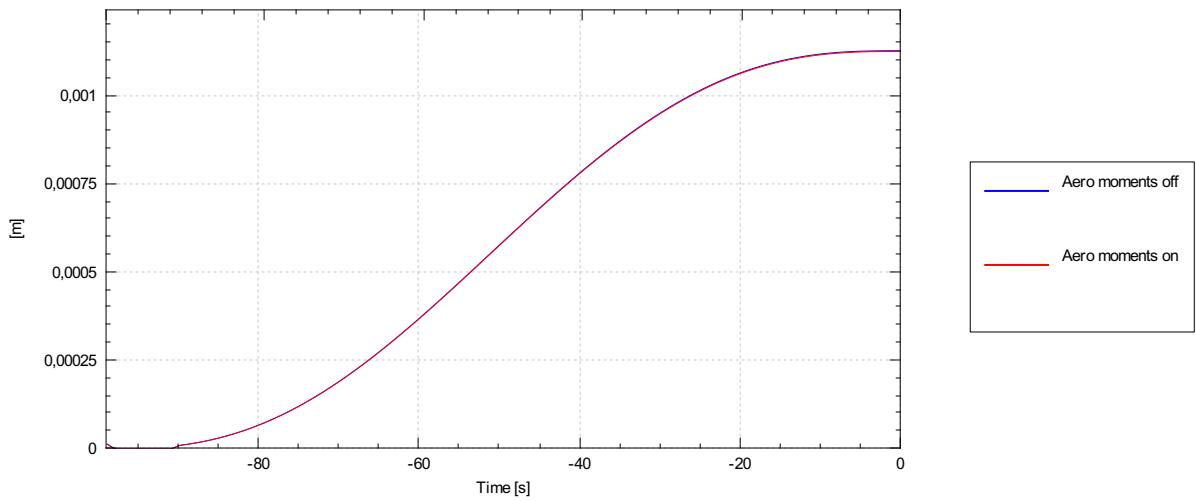
Displacement (v)



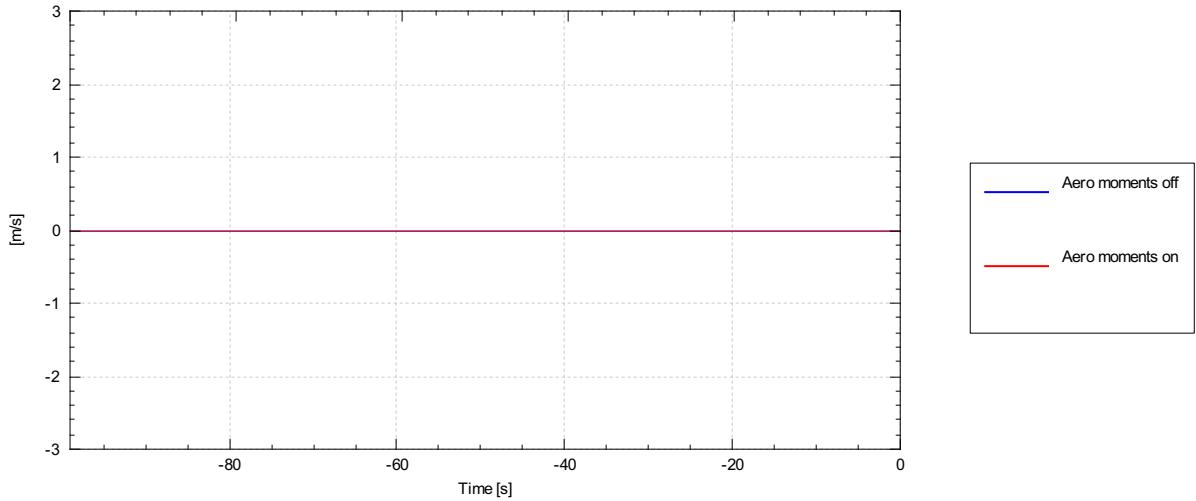
Displacement (w)



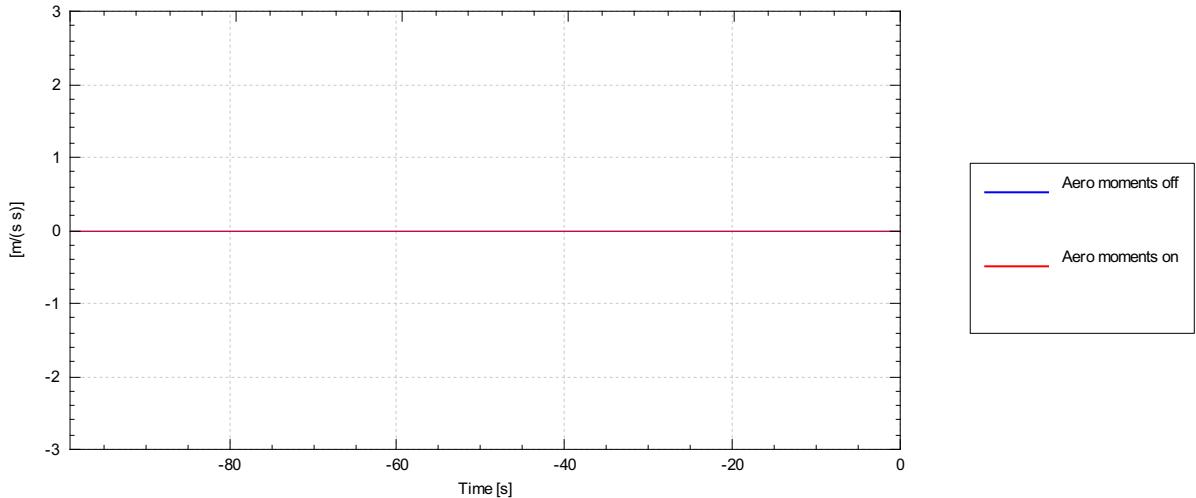
Displacement magnitude



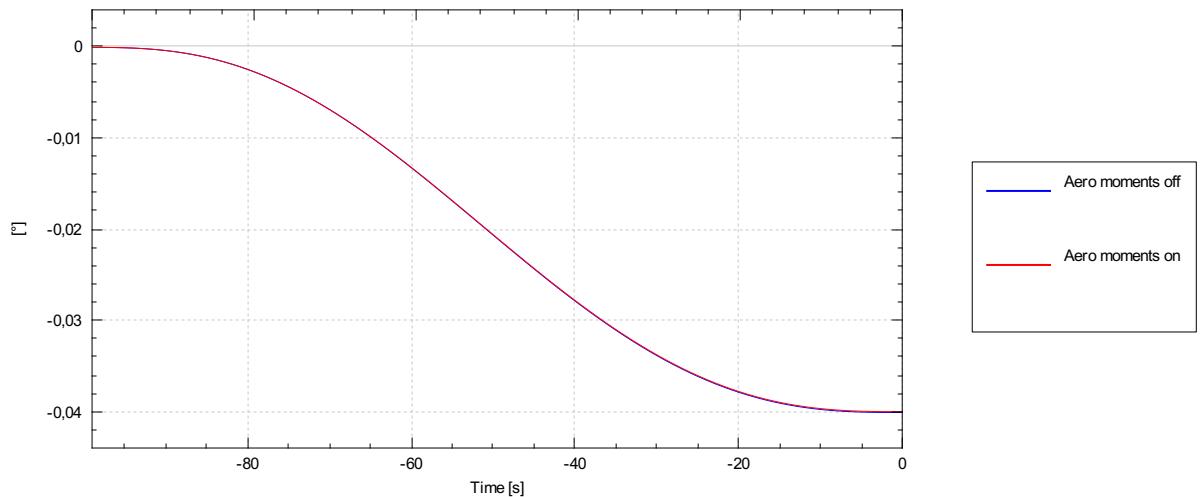
Speed



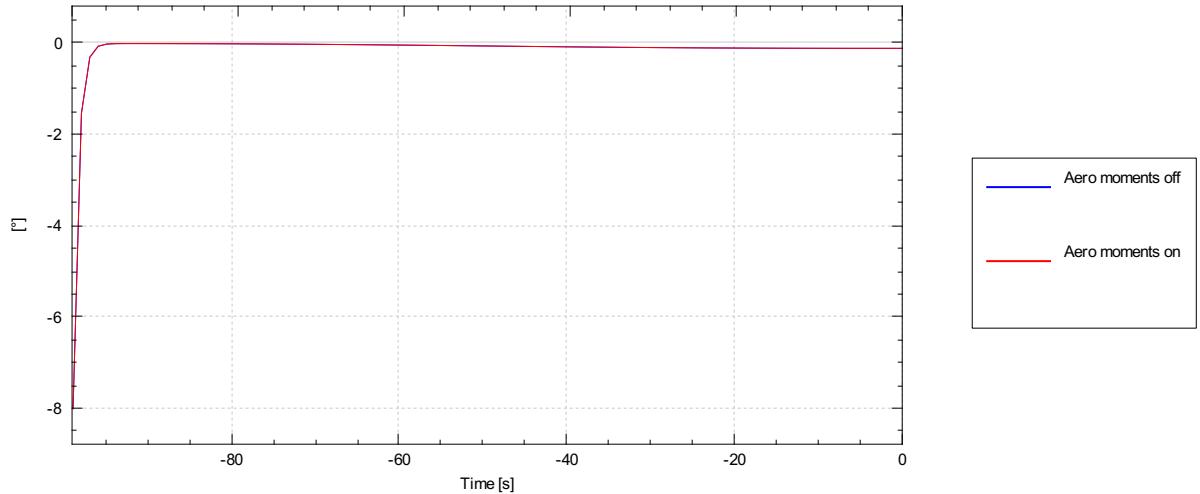
Acceleration, magnitude



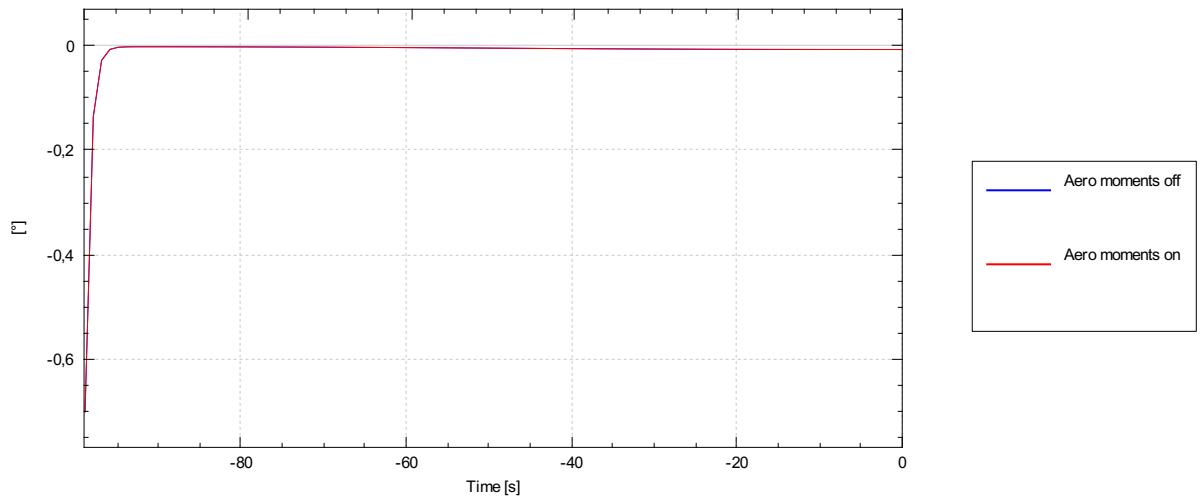
Rotational displacement (ru)



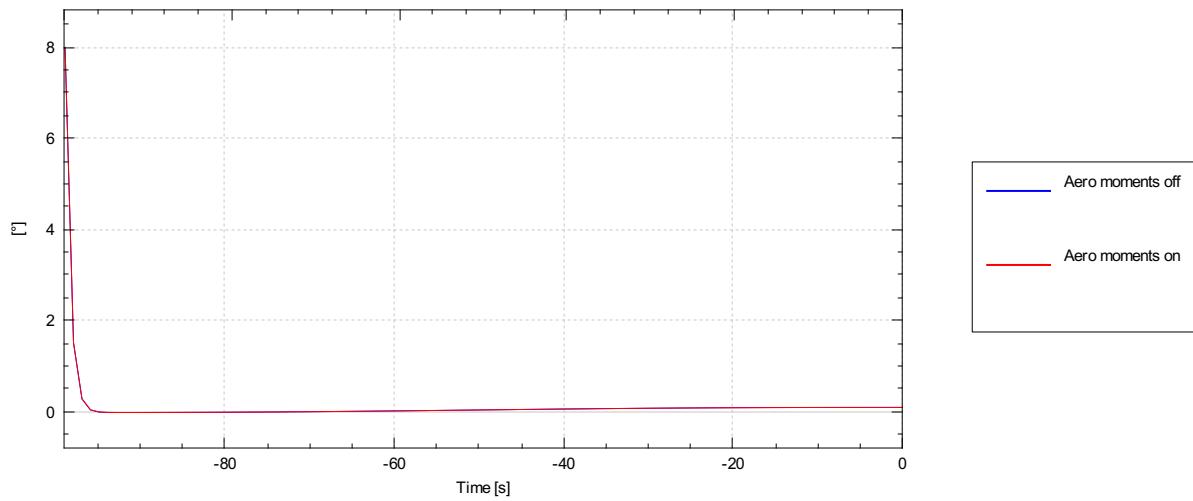
Rotational displacement (rv)



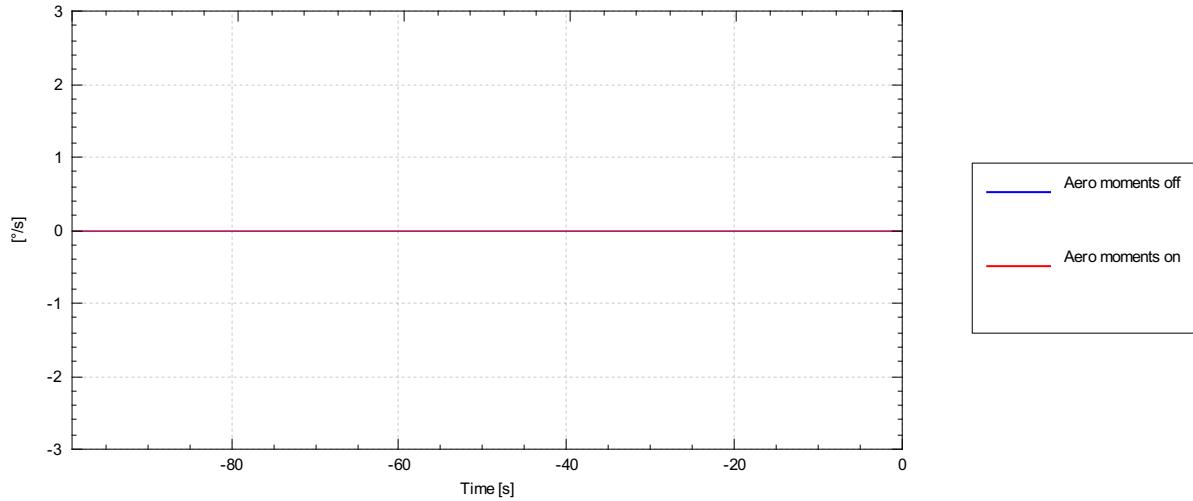
Rotational displacement (rw)



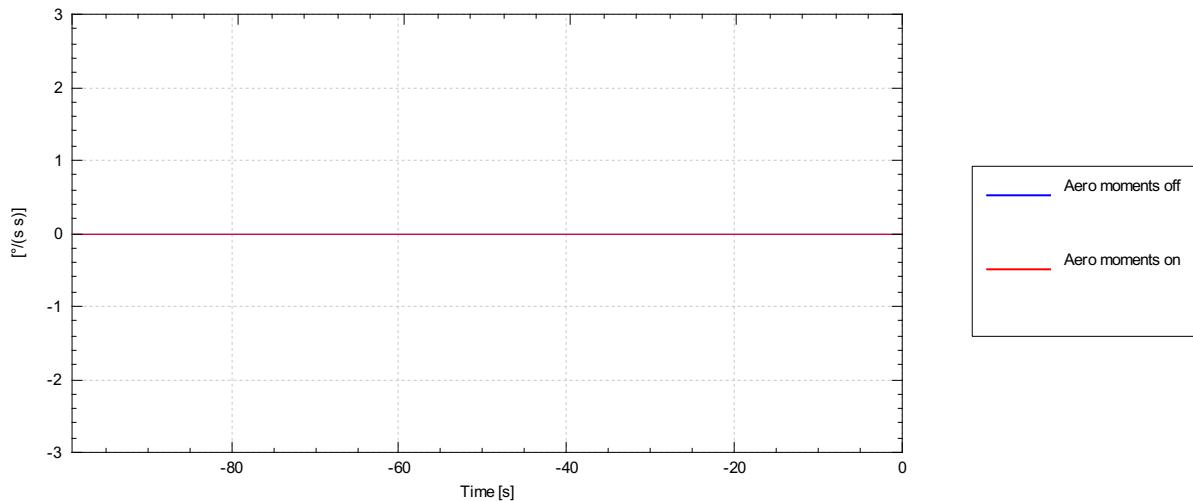
Rotational displacement magnitude



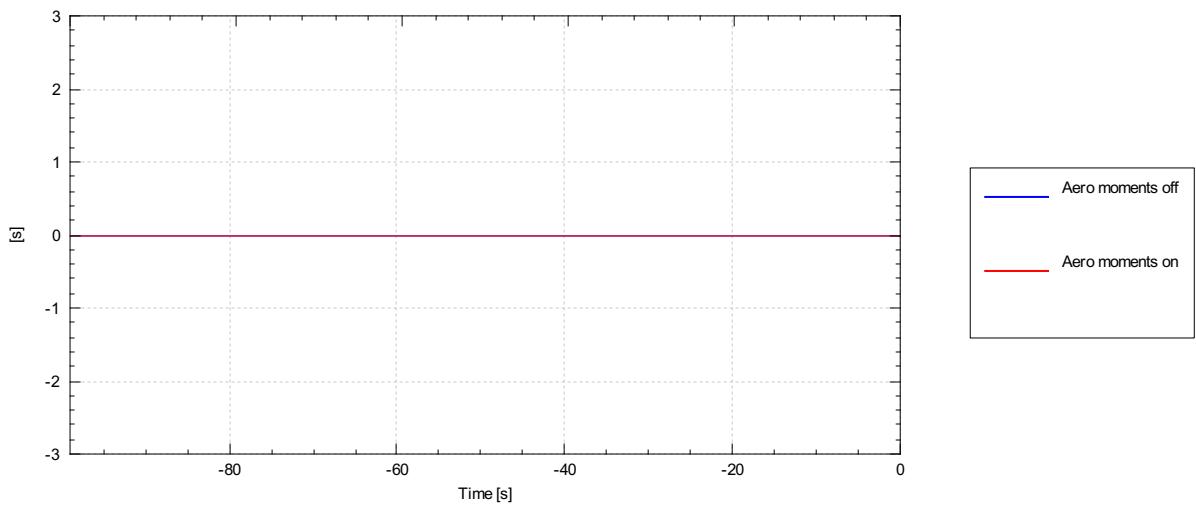
Rotational speed



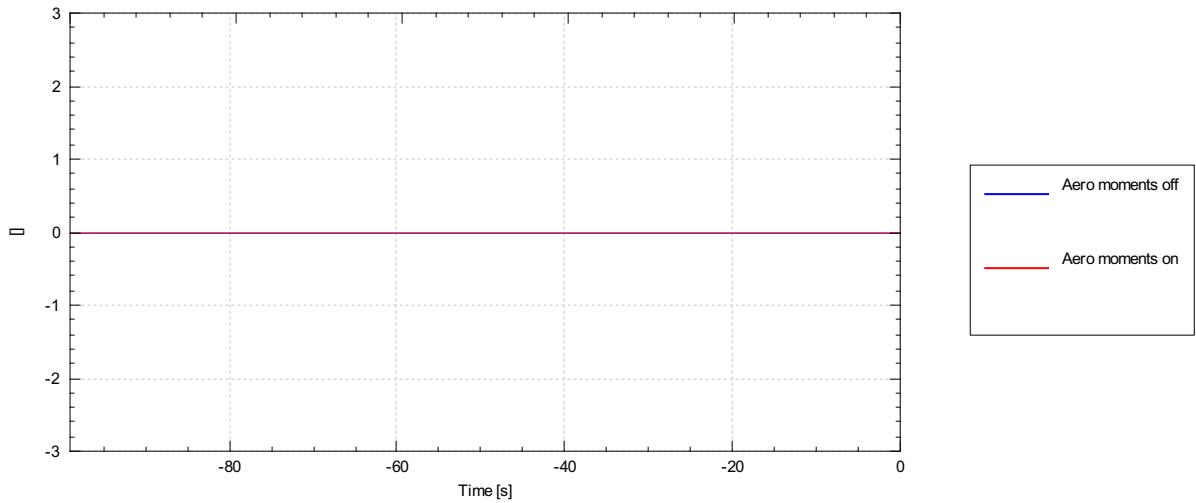
Rotational acceleration mag



Displacement period



Displacement logarithmic decrement



Displacement damping ratio

