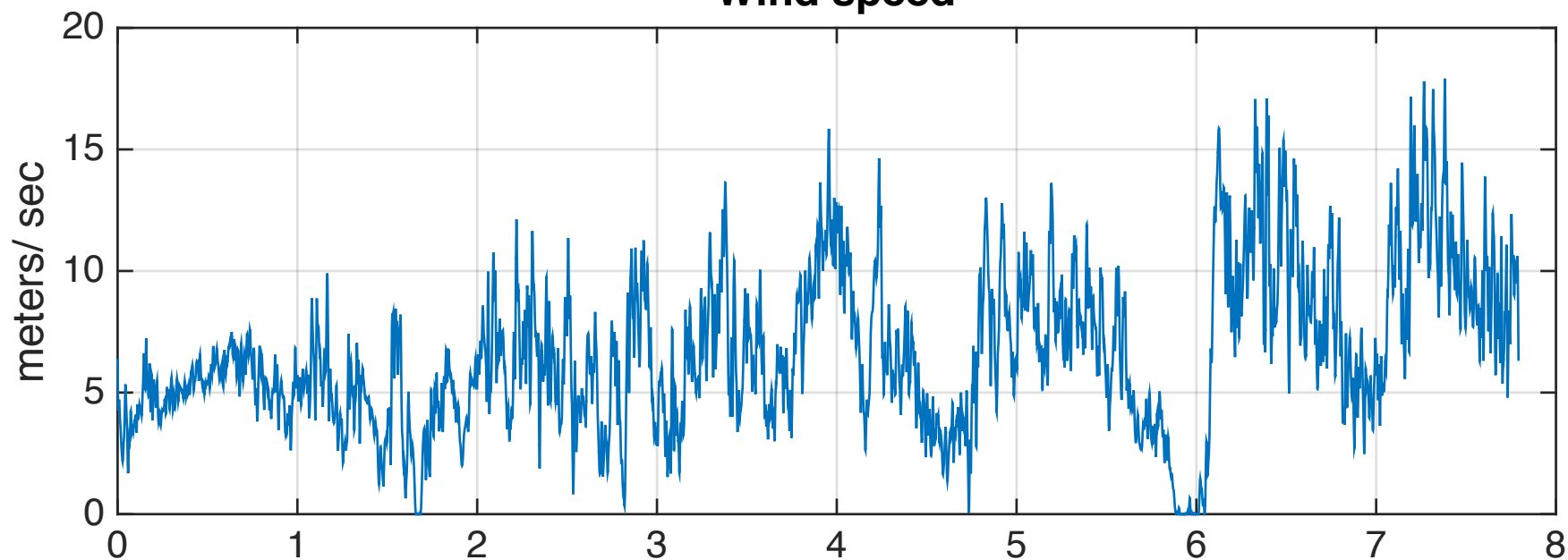
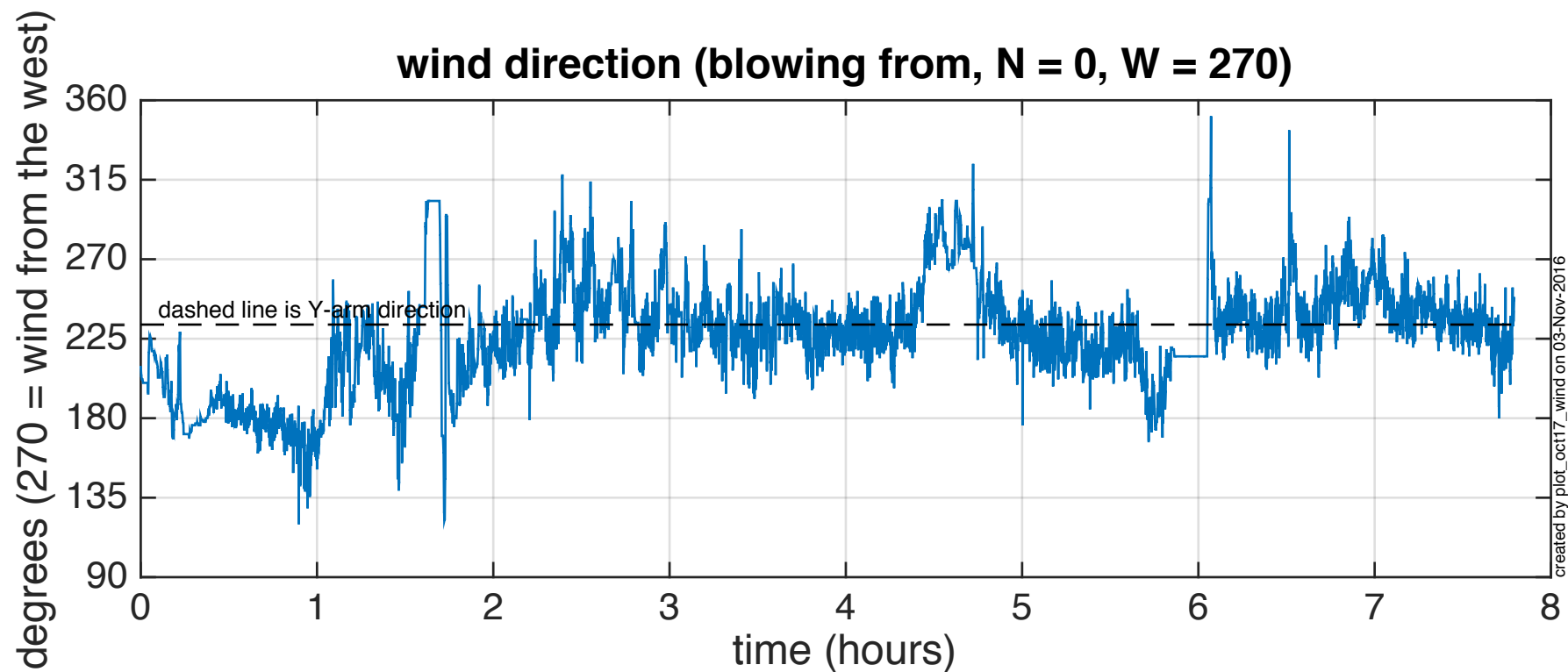


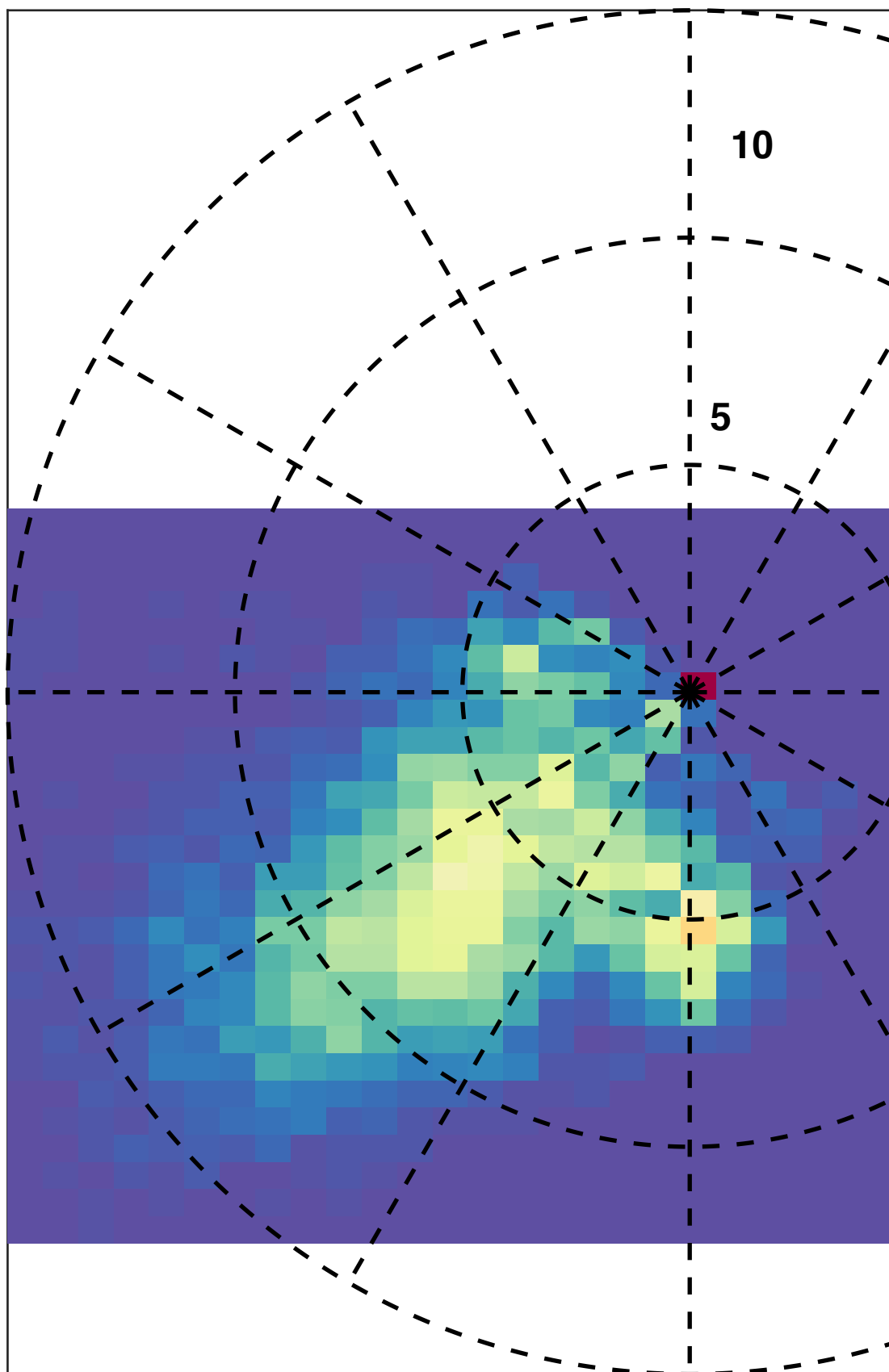
**Wind speed**



**wind direction (blowing from, N = 0, W = 270)**

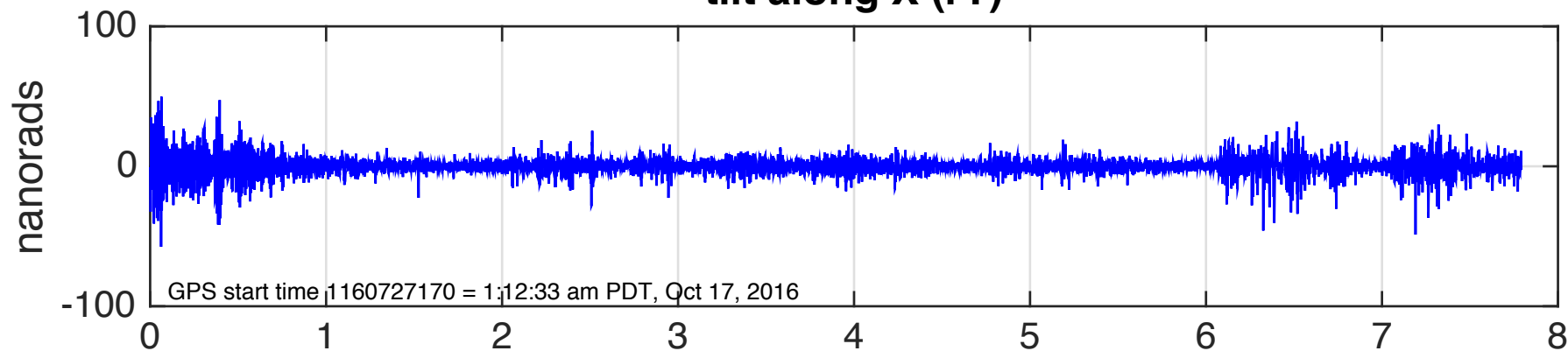


**Histogram of wind speed and direction, Oct 17, 2016 1:00am - 9:00am P**  
**speed in meters/sec, direction wind is from: 0=north, 90 = east**

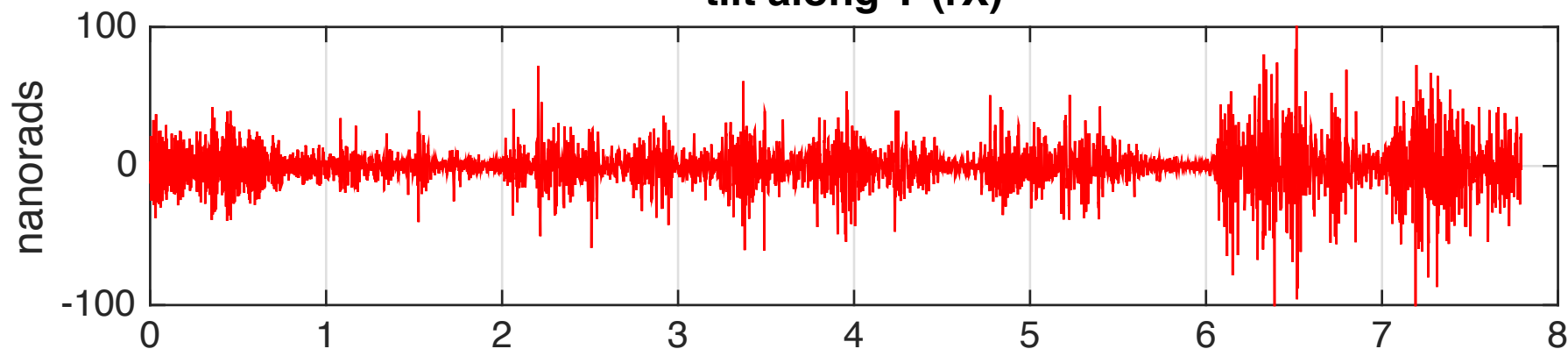


# Motion of EX station during wind storm of Oct 17, 2016

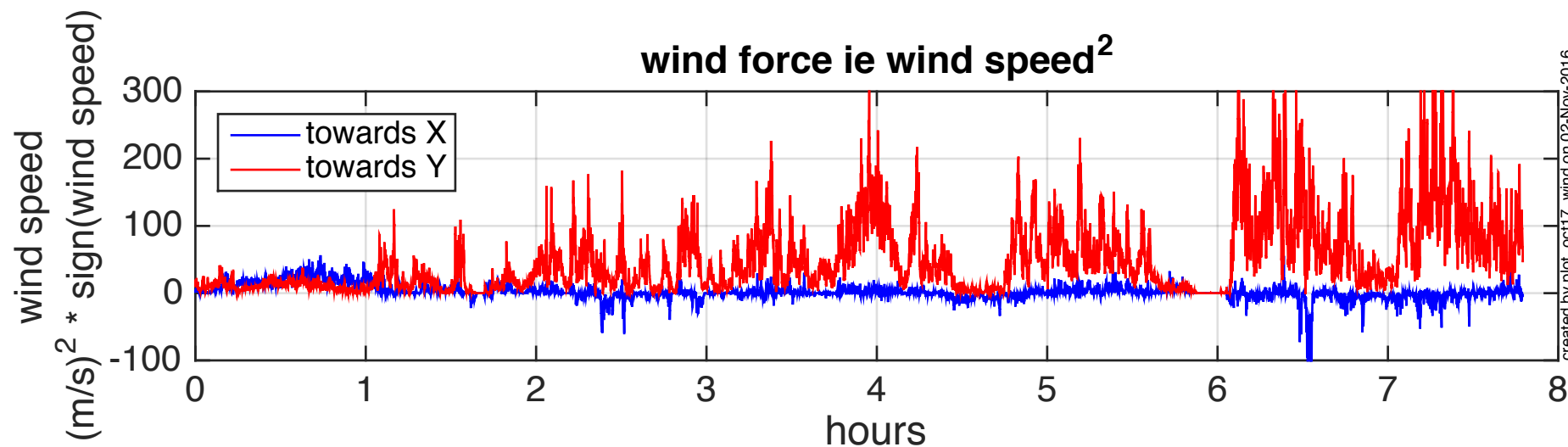
## tilt along X (rY)



## tilt along Y (rX)

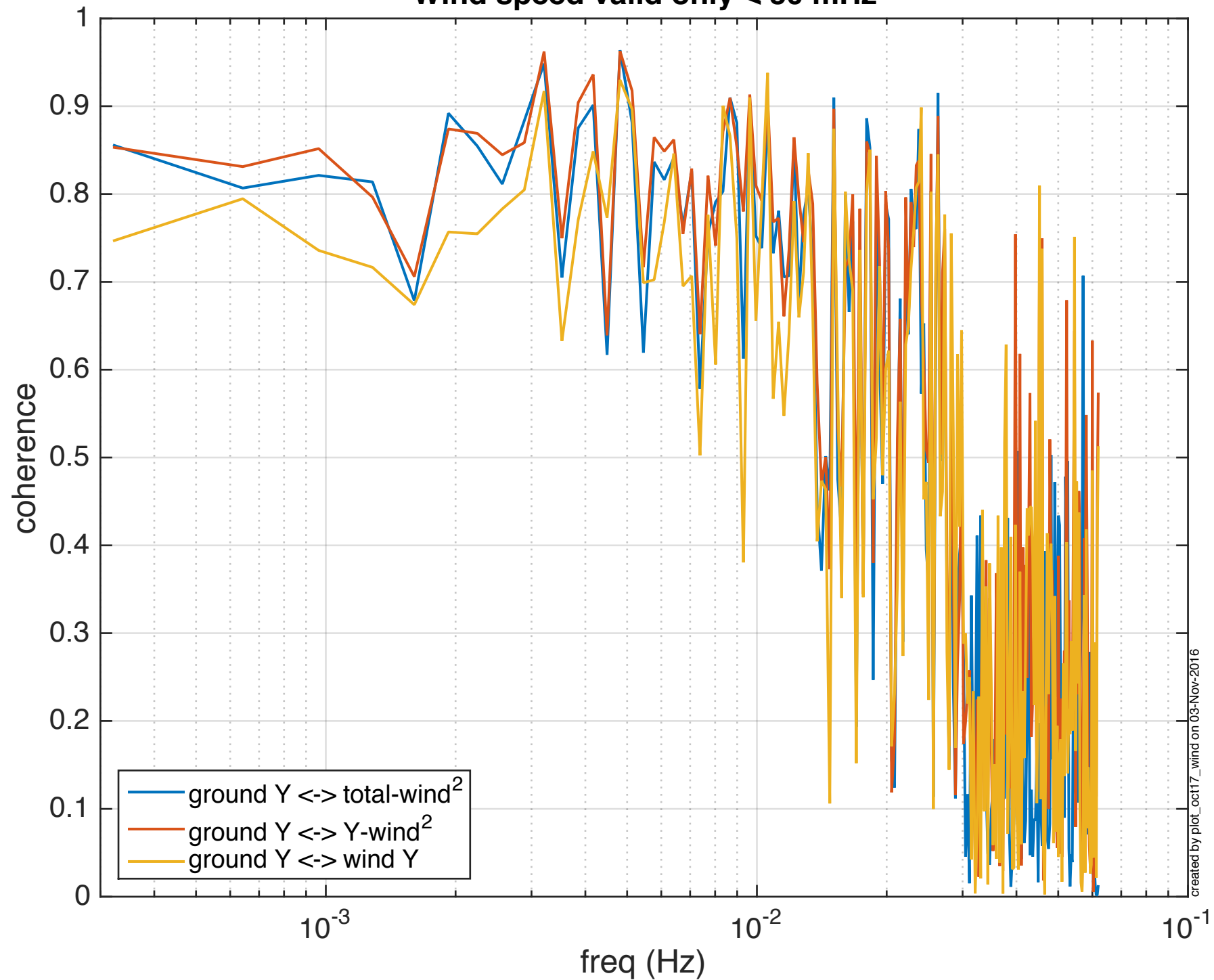


## wind force ie wind speed<sup>2</sup>

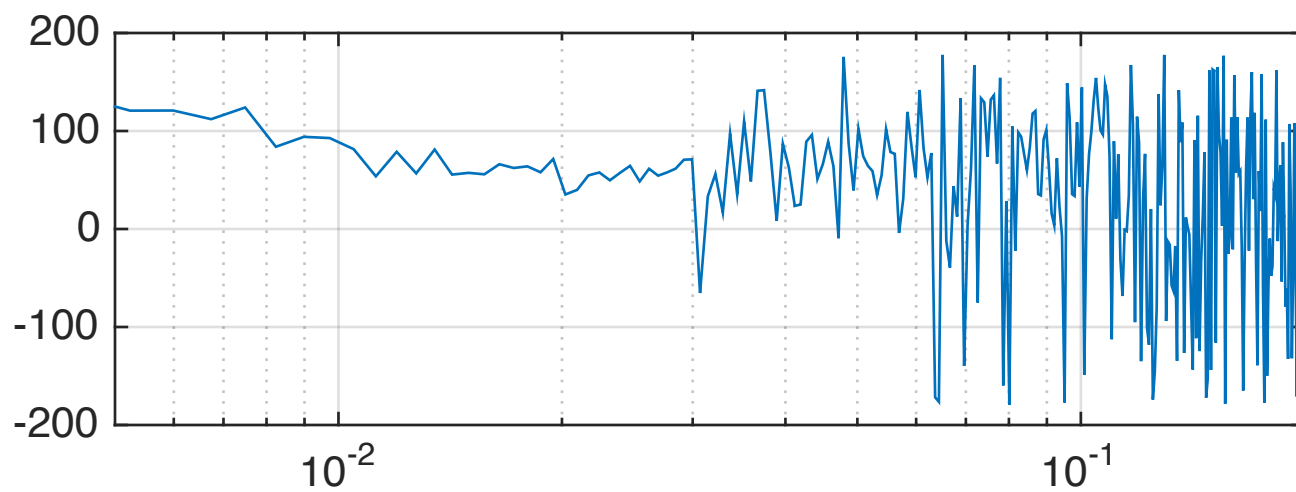
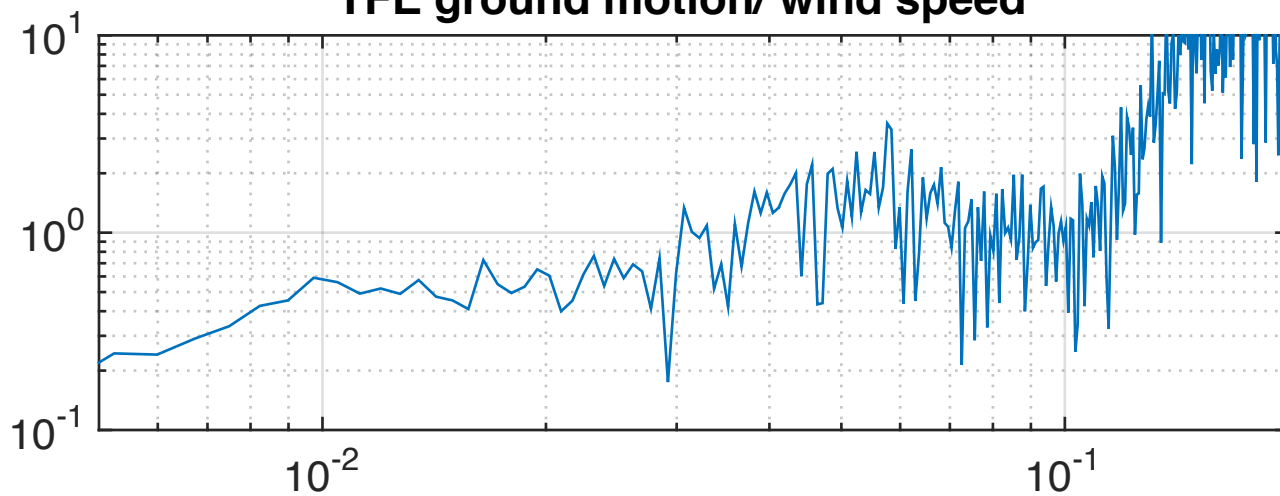


# Coherence between (wind speed)<sup>2</sup> and ground motion

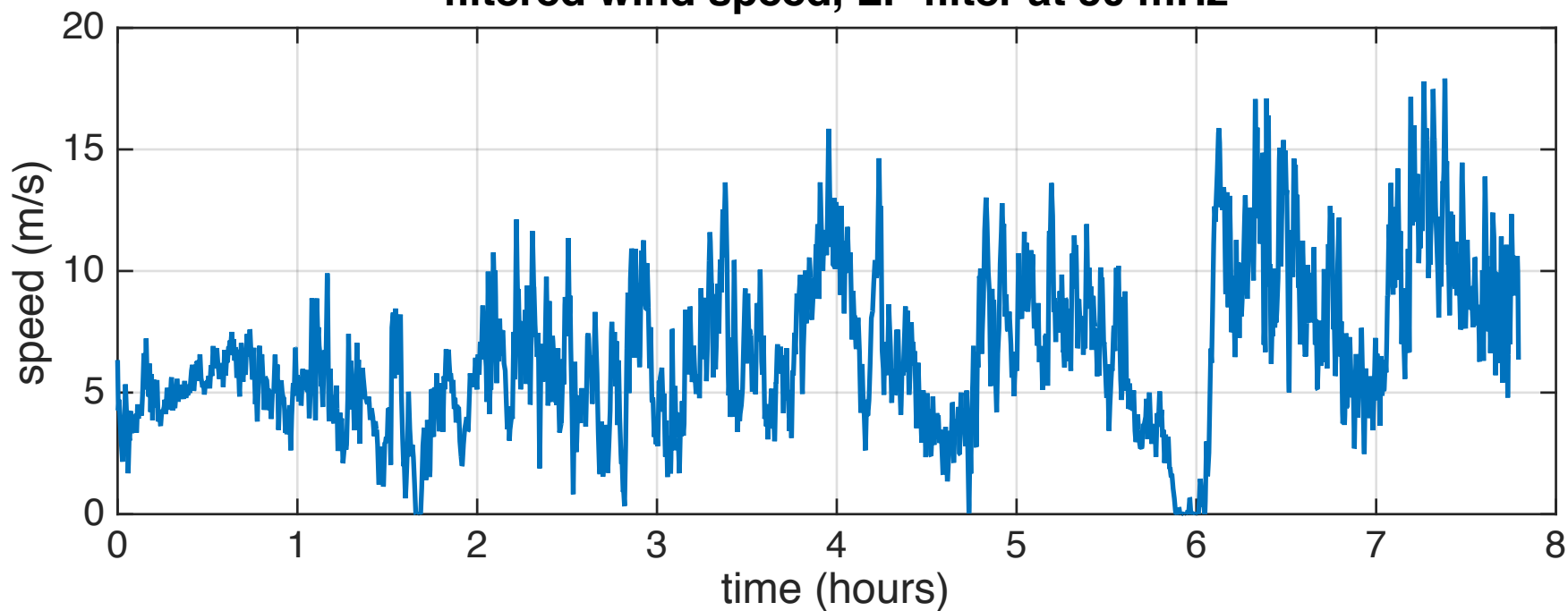
Wind speed valid only < 30 mHz



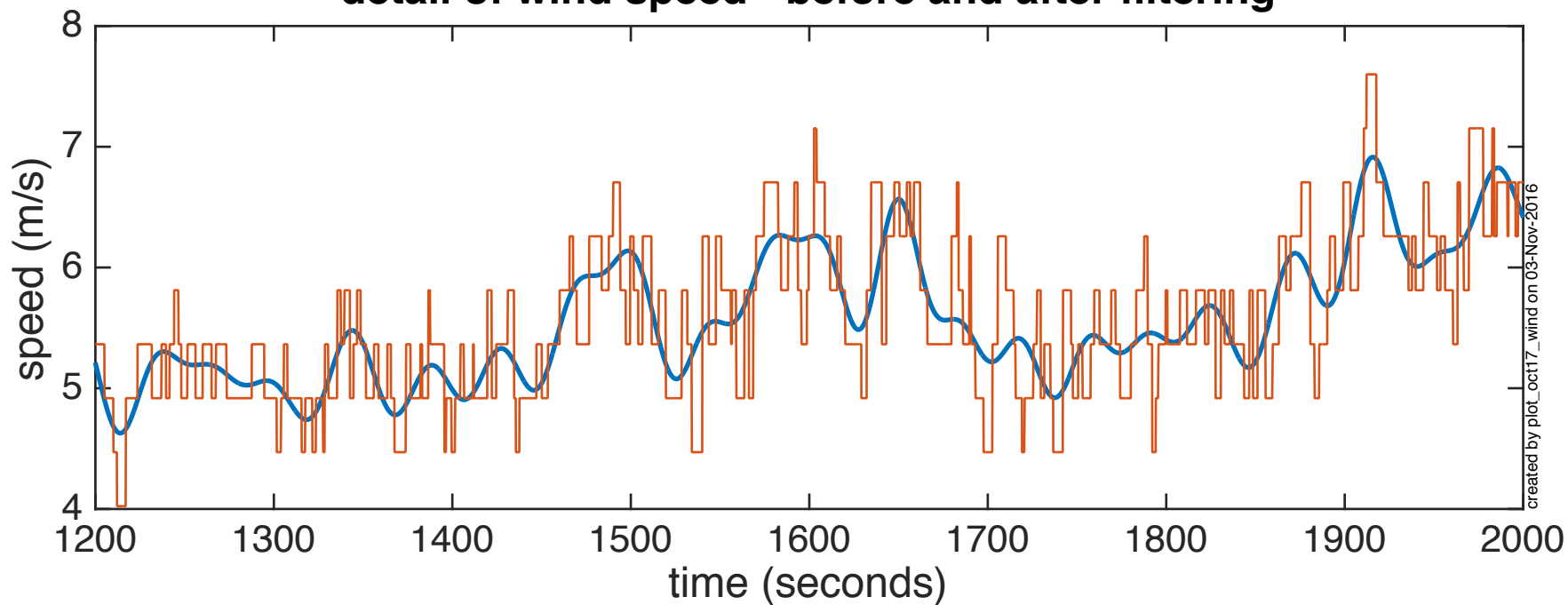
**TFE ground motion/ wind speed<sup>2</sup>**



**filtered wind speed, LP filter at 30 mHz**



**detail of wind speed - before and after filtering**



## Wind speed components along X&Y

