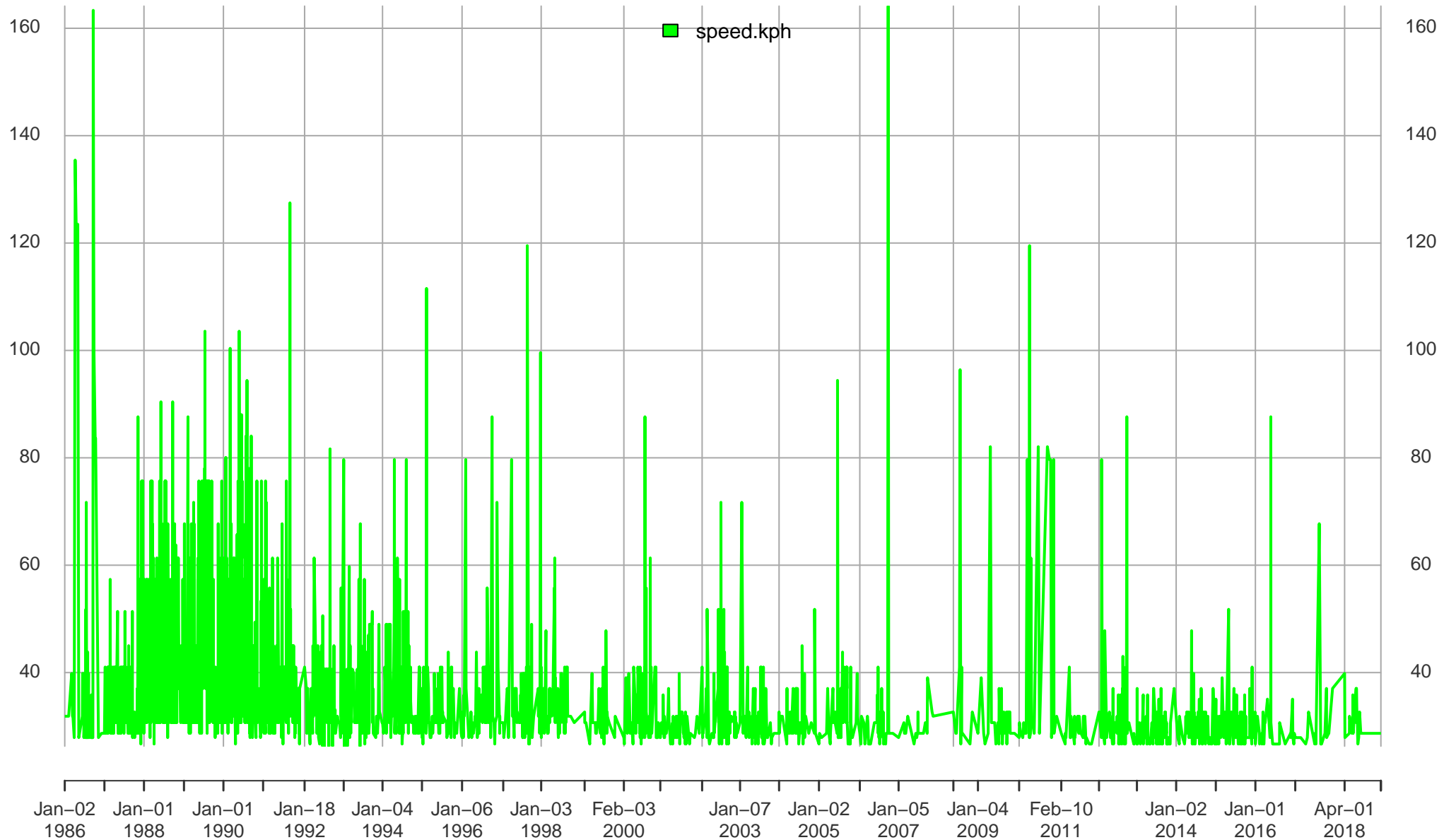


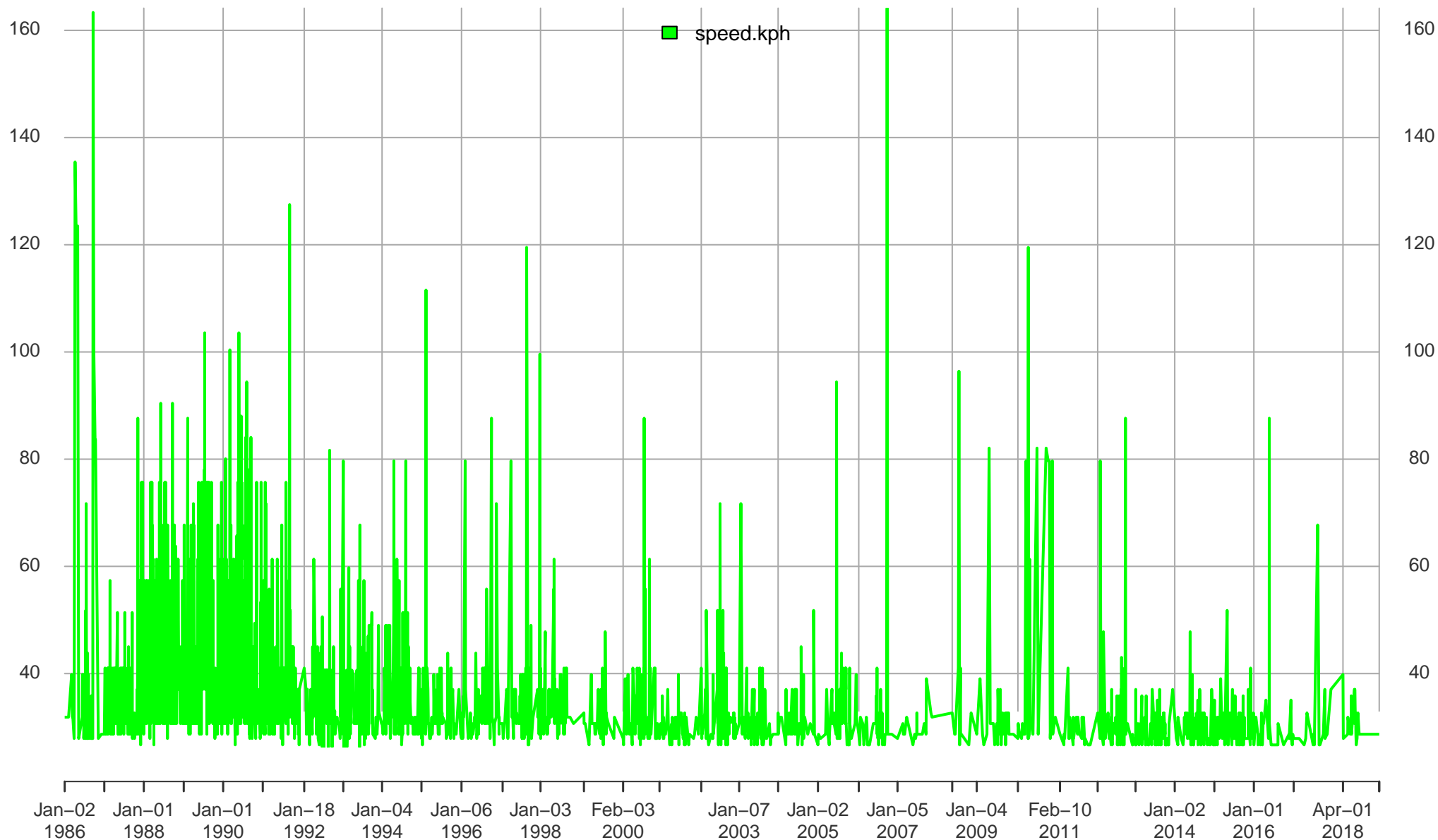
Station ID: 801120  
Wind Velocity [Km/h]

1986-01-02 12:00:00 / 2019-03-01 12:00:00

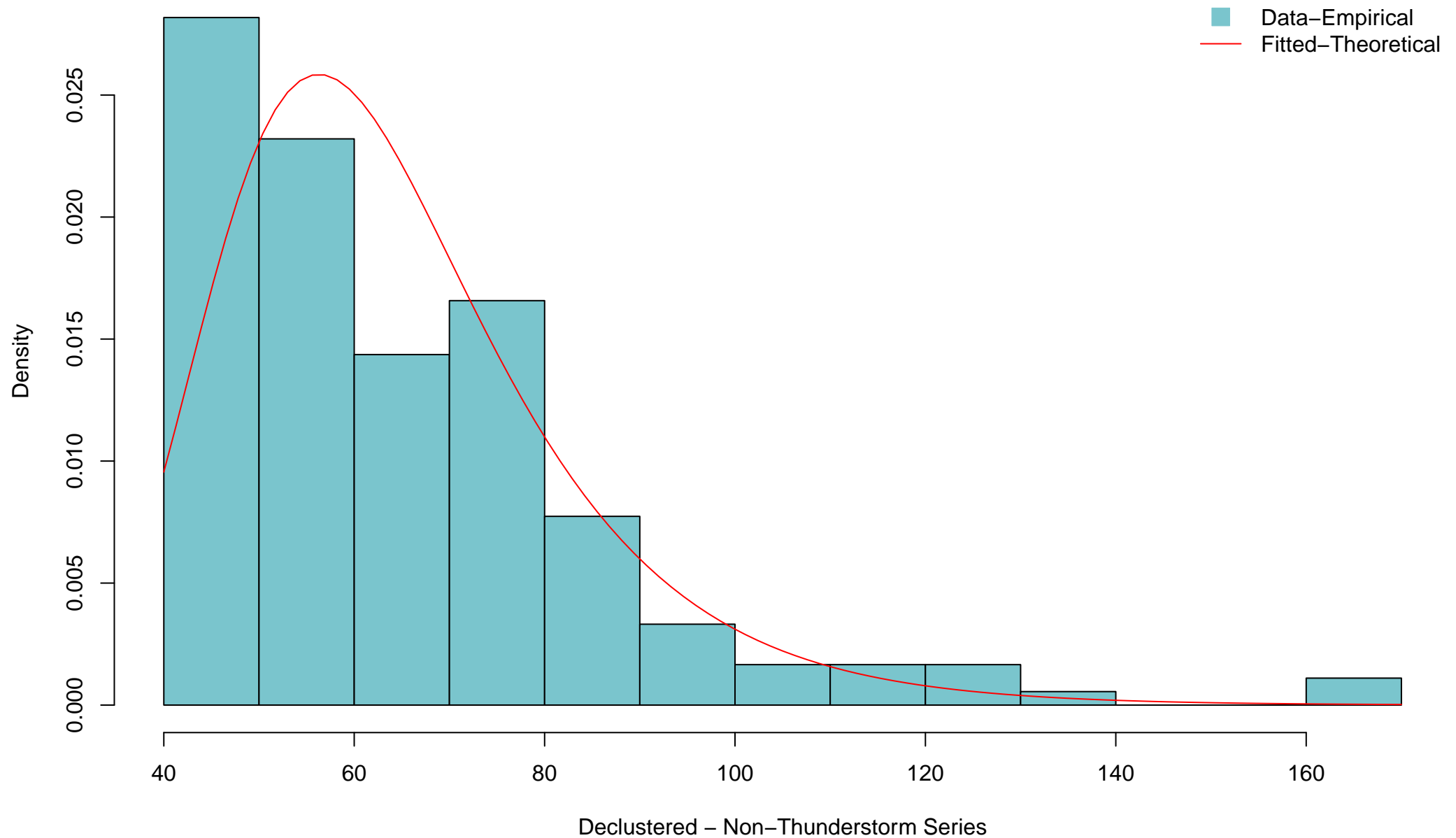


**Station ID: 801120**  
**Wind Velocity [Km/h]**

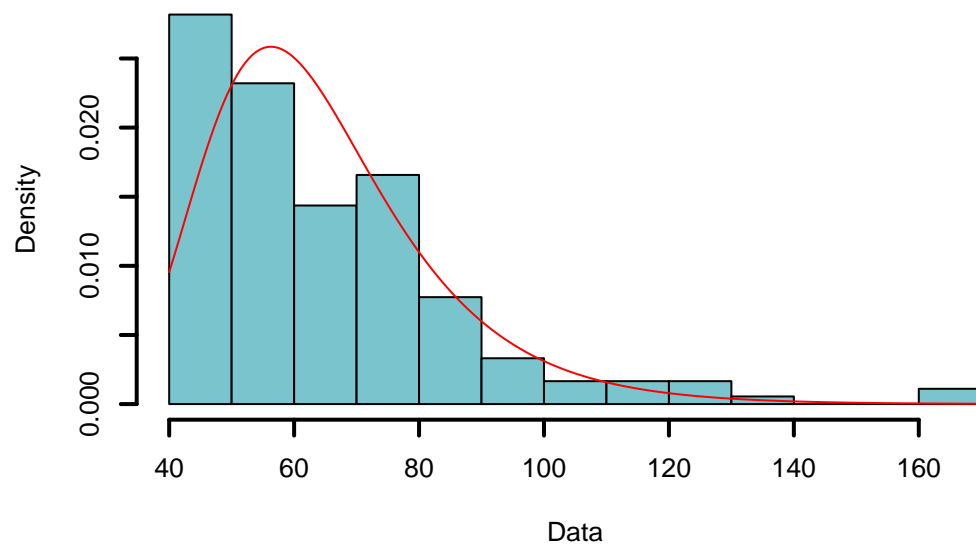
1986-01-02 12:00:00 / 2019-03-01 12:00:00



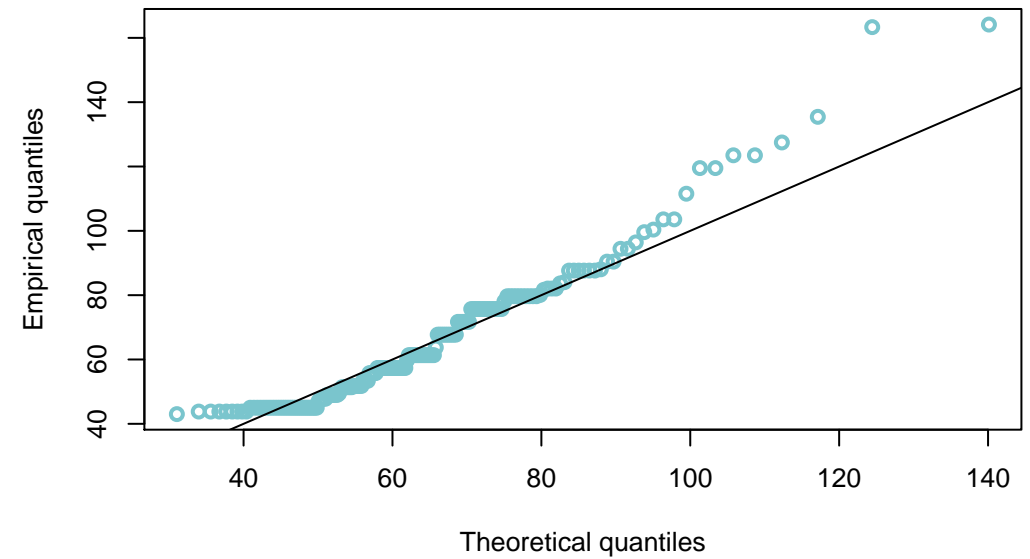
## Data Histogram and Fitted Gumbel Probability Density Curve



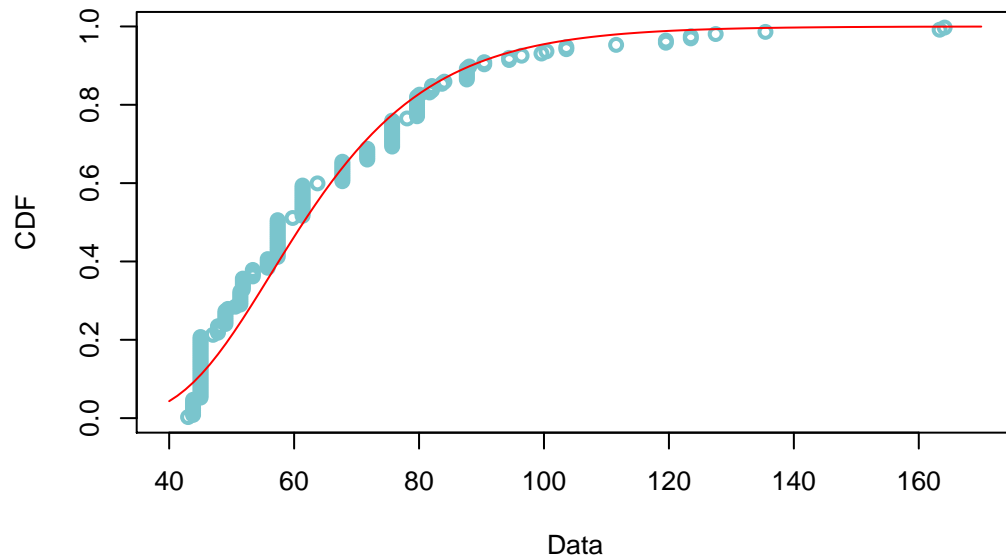
**Empirical and theoretical dens.**



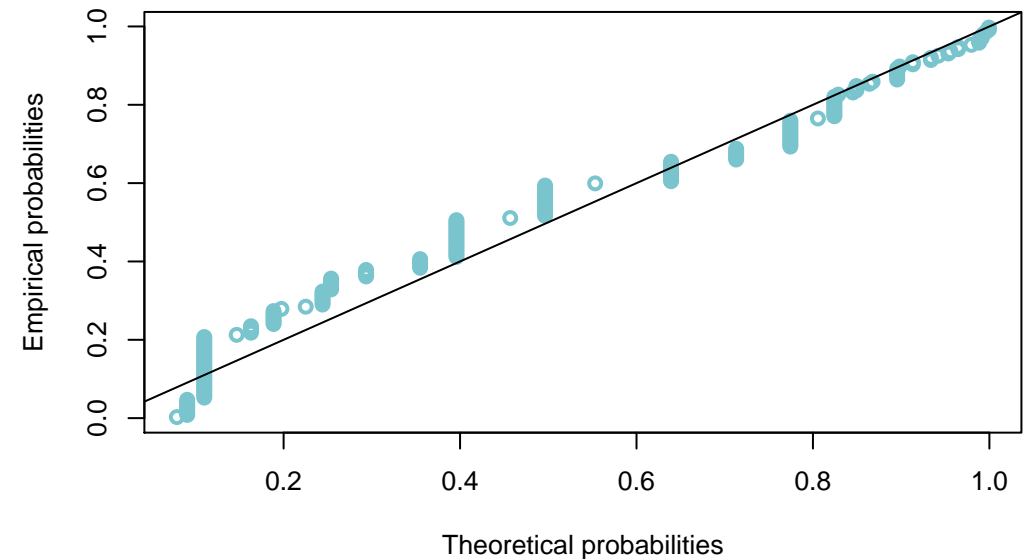
**Q-Q plot**



**Empirical and theoretical CDFs**

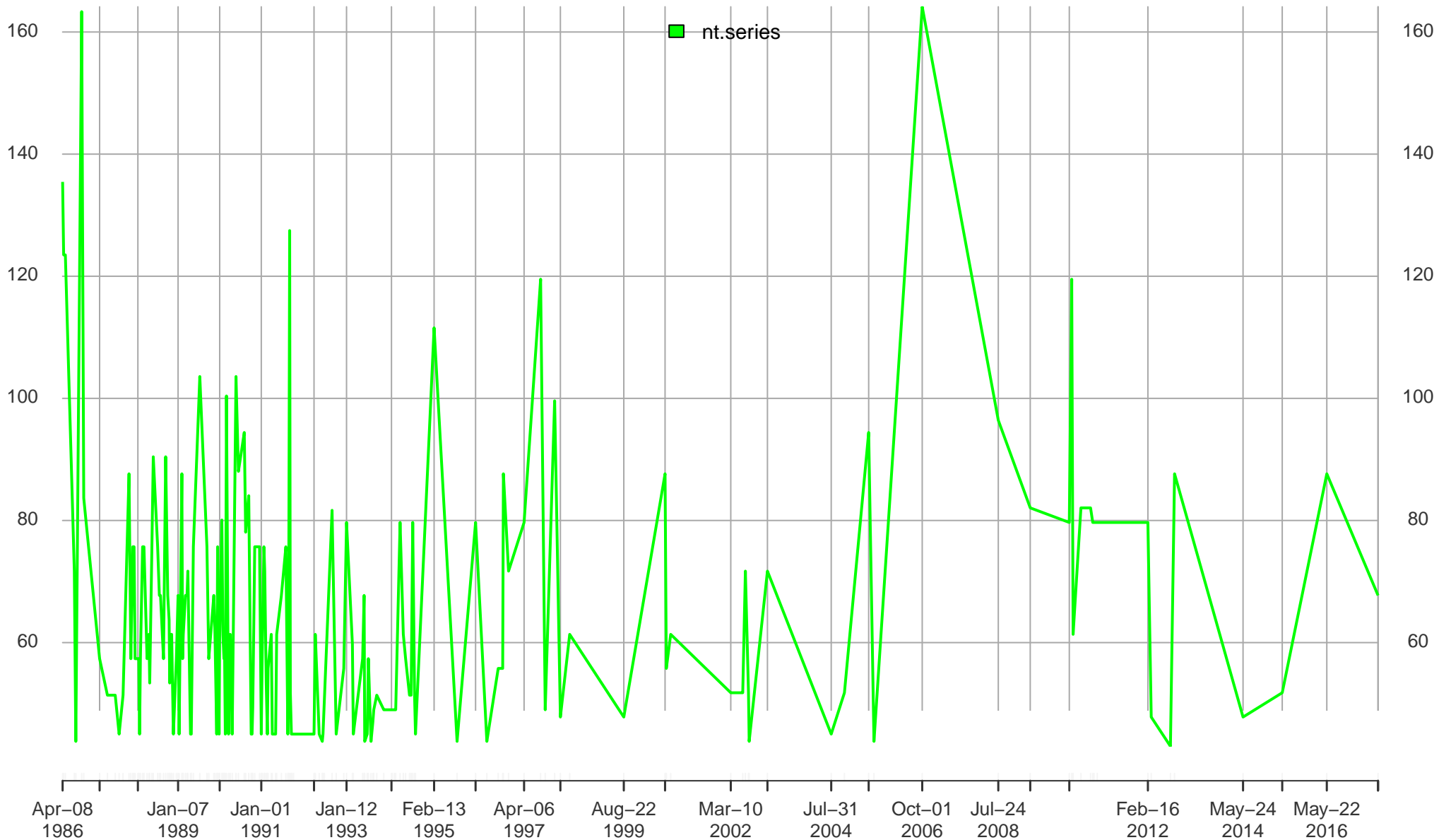


**P-P plot**

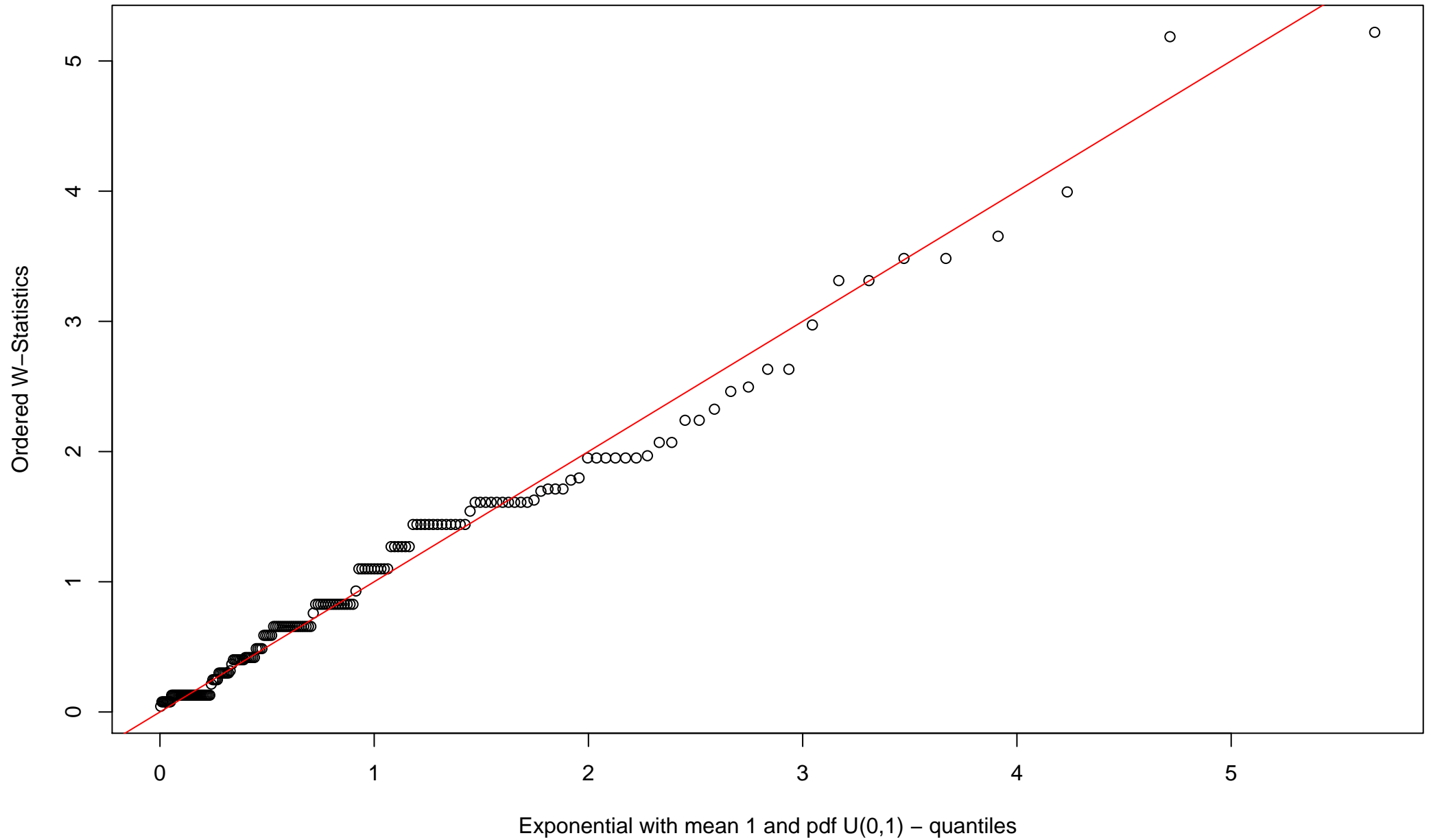


Station ID: 801120  
Wind Velocity [Km/h]

1986-04-08 12:00:00 / 2017-08-11 12:00:00

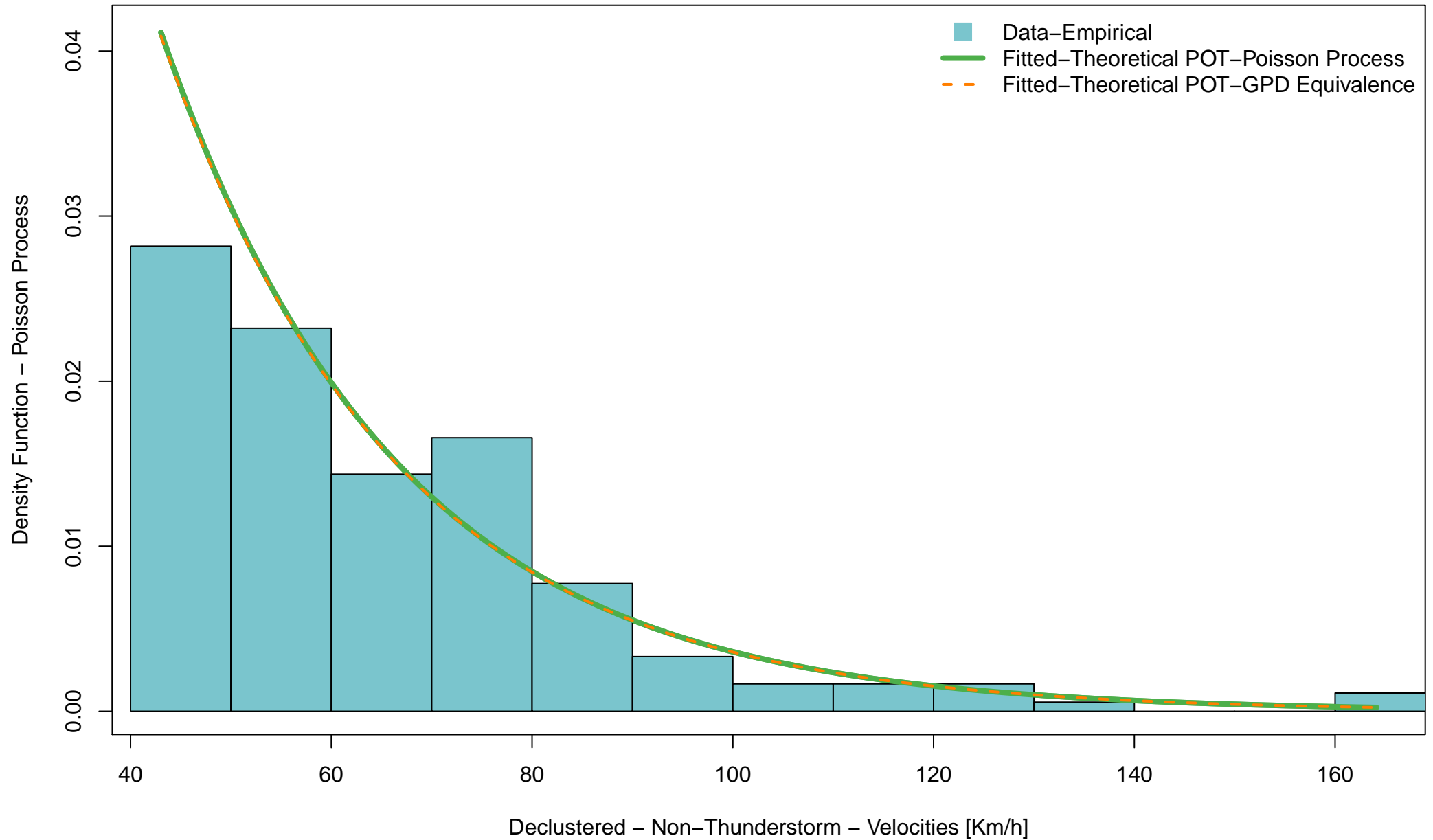


W-Statistic Plot for best pair of thresholds ( $b_t$ ,  $b_{nt}$ )

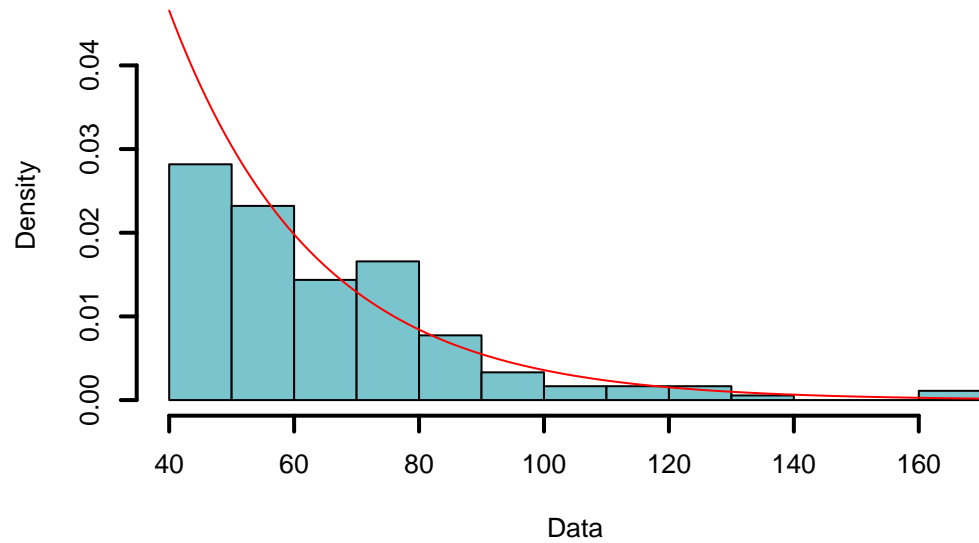


# Density Function from Intensity Function of Poisson Process

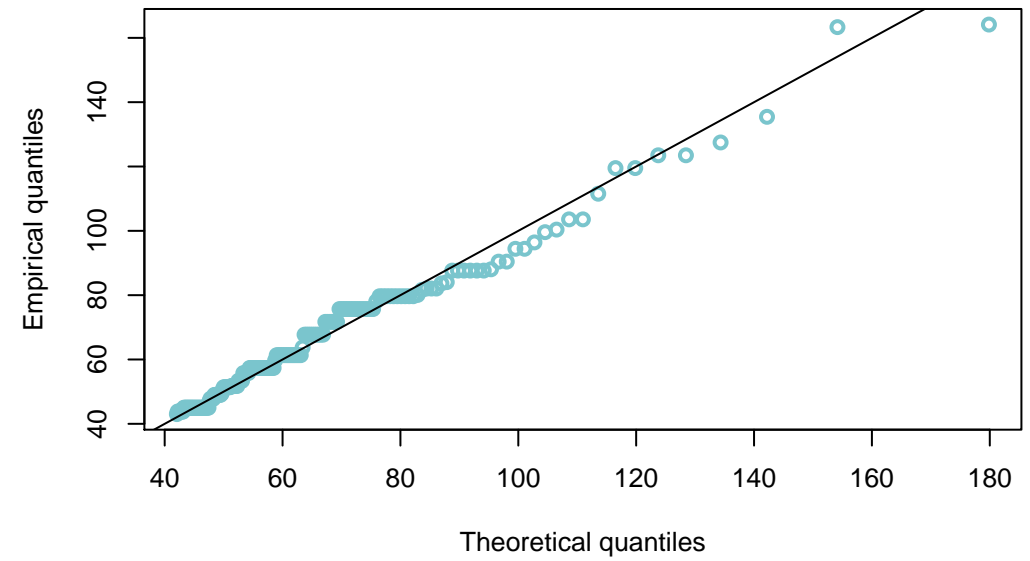
## Station: 801120



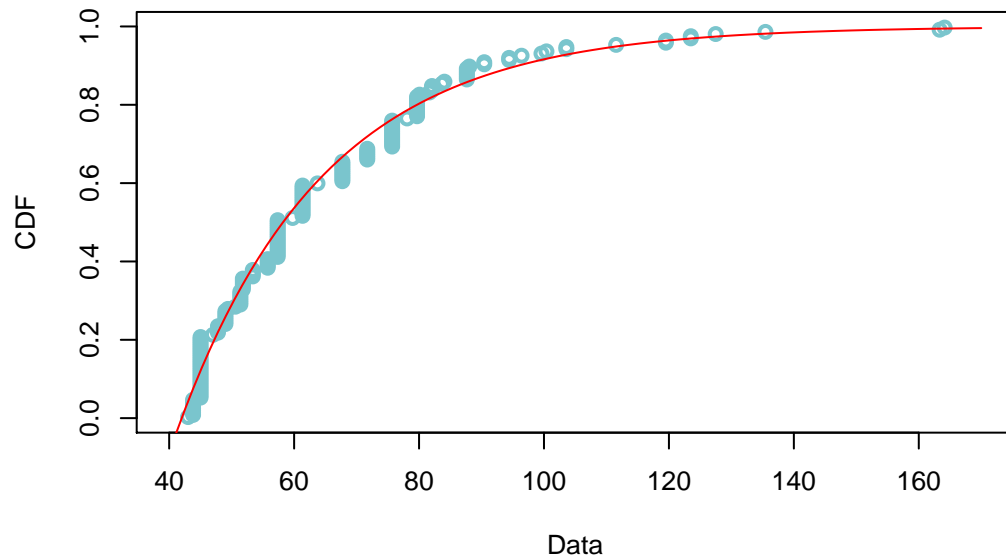
**Empirical and theoretical dens.**



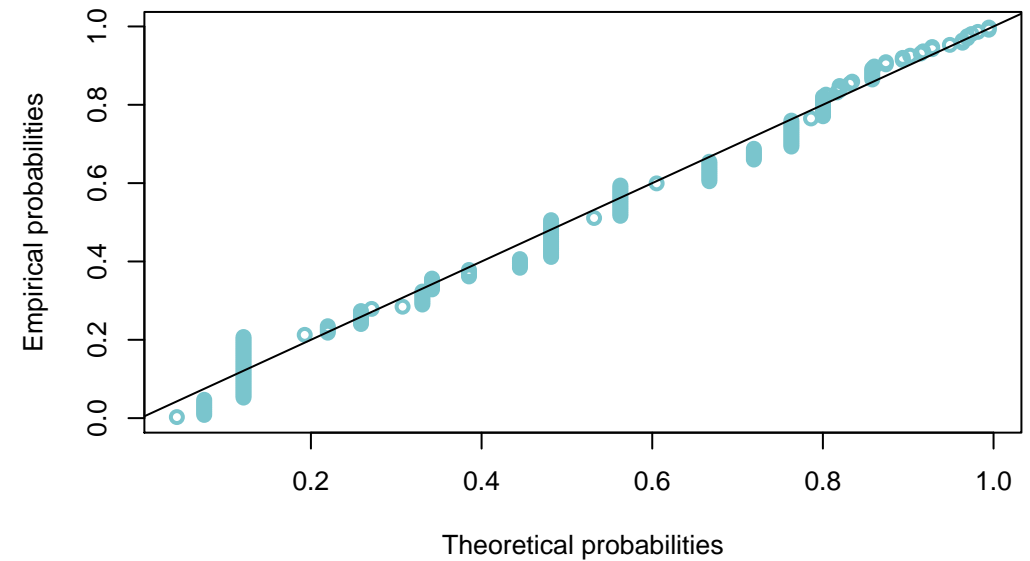
**Q-Q plot**



**Empirical and theoretical CDFs**



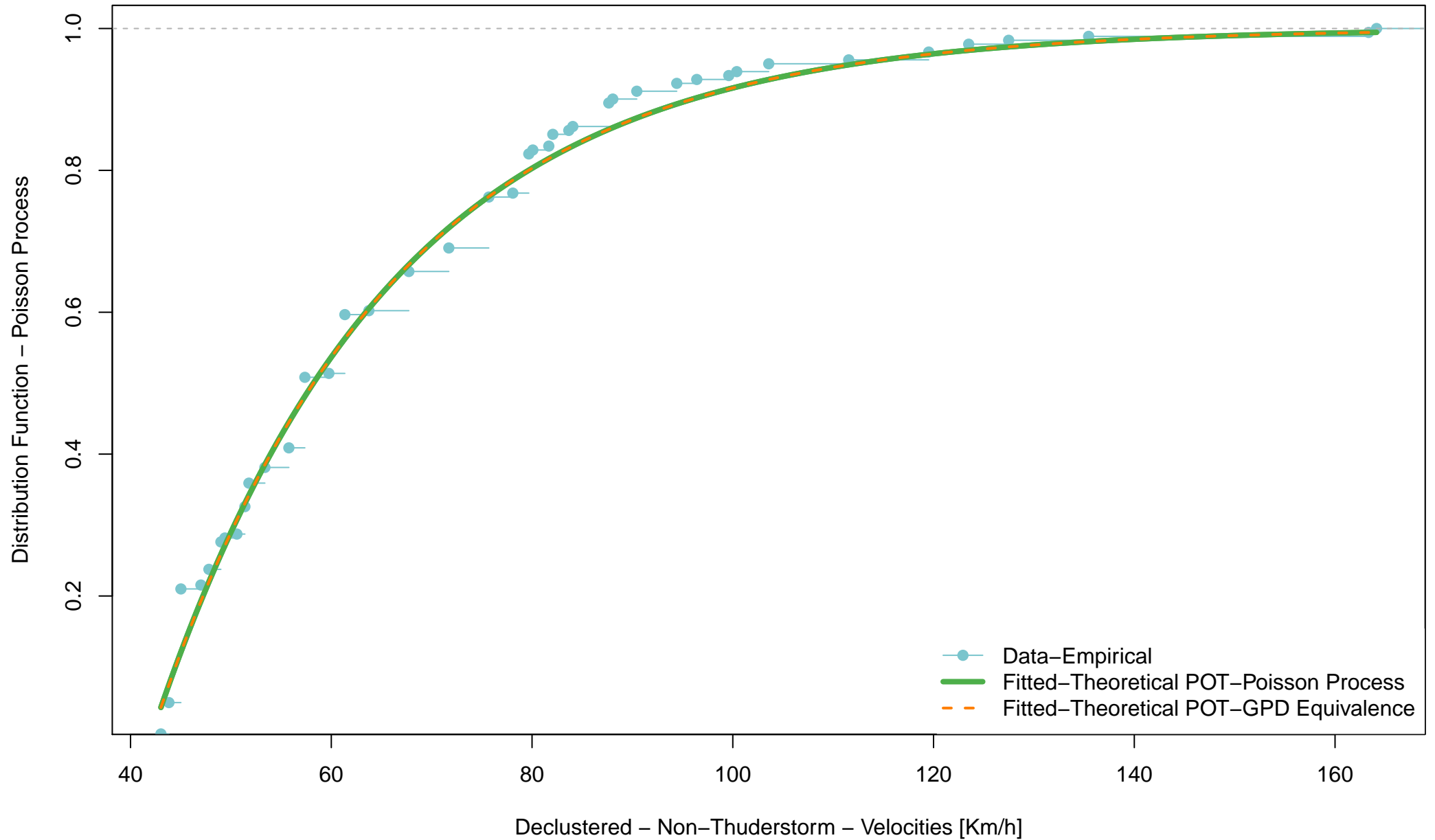
**P-P plot**



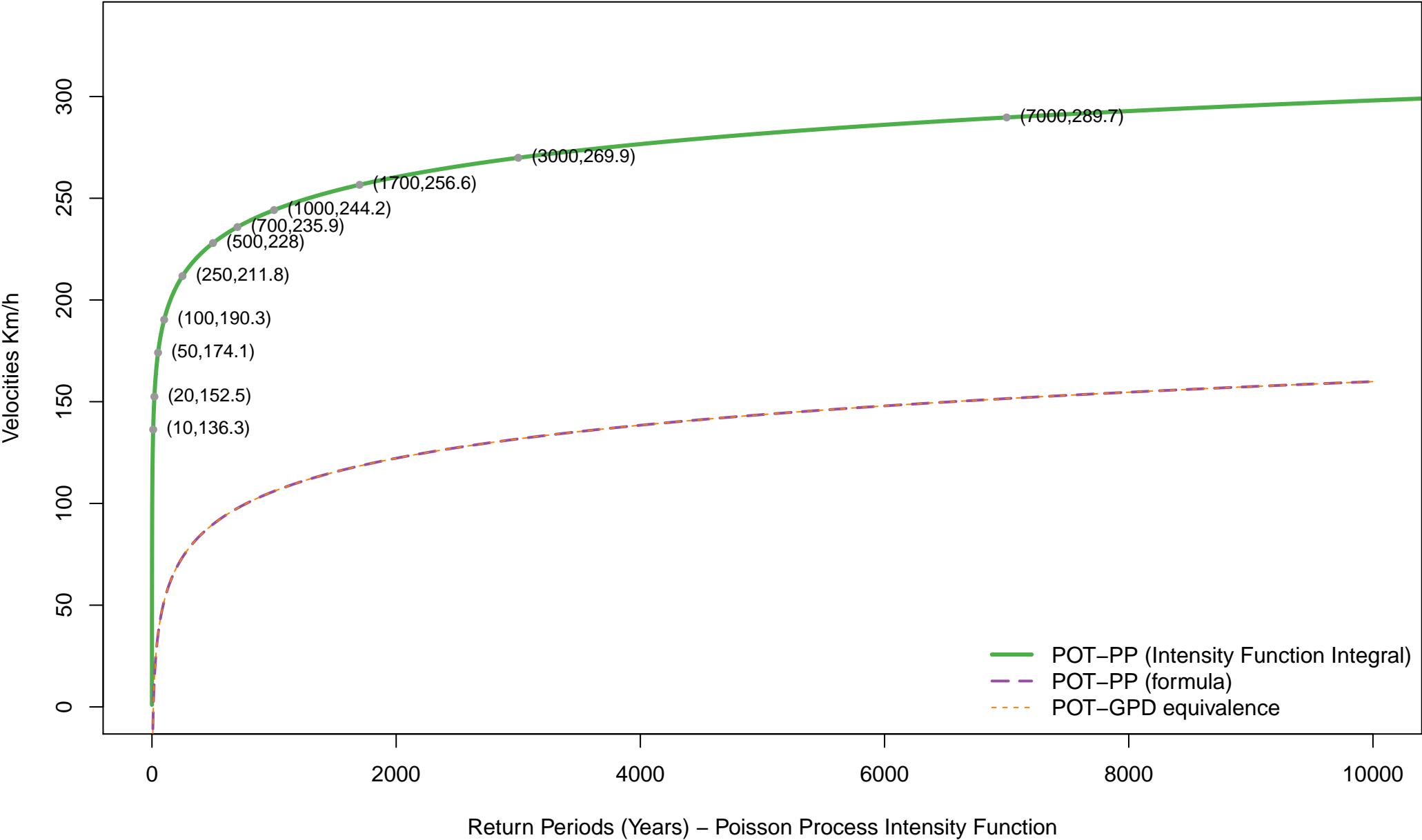


# Cumulative Distribution Function from Intensity Function of Poisson Process

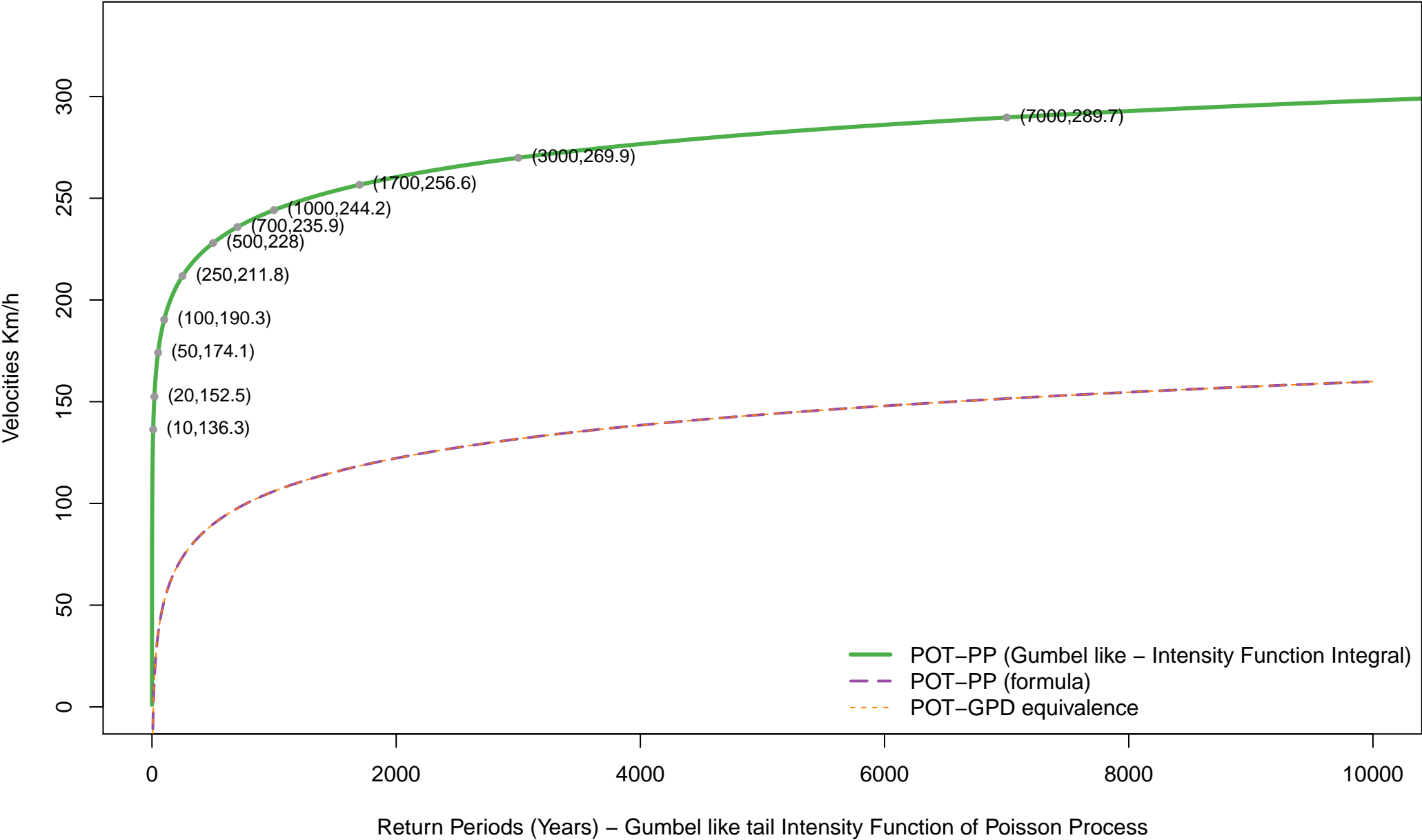
## Station: 801120



Declustered – Non-Thunderstorms – Hazard Curve – Station: 801120



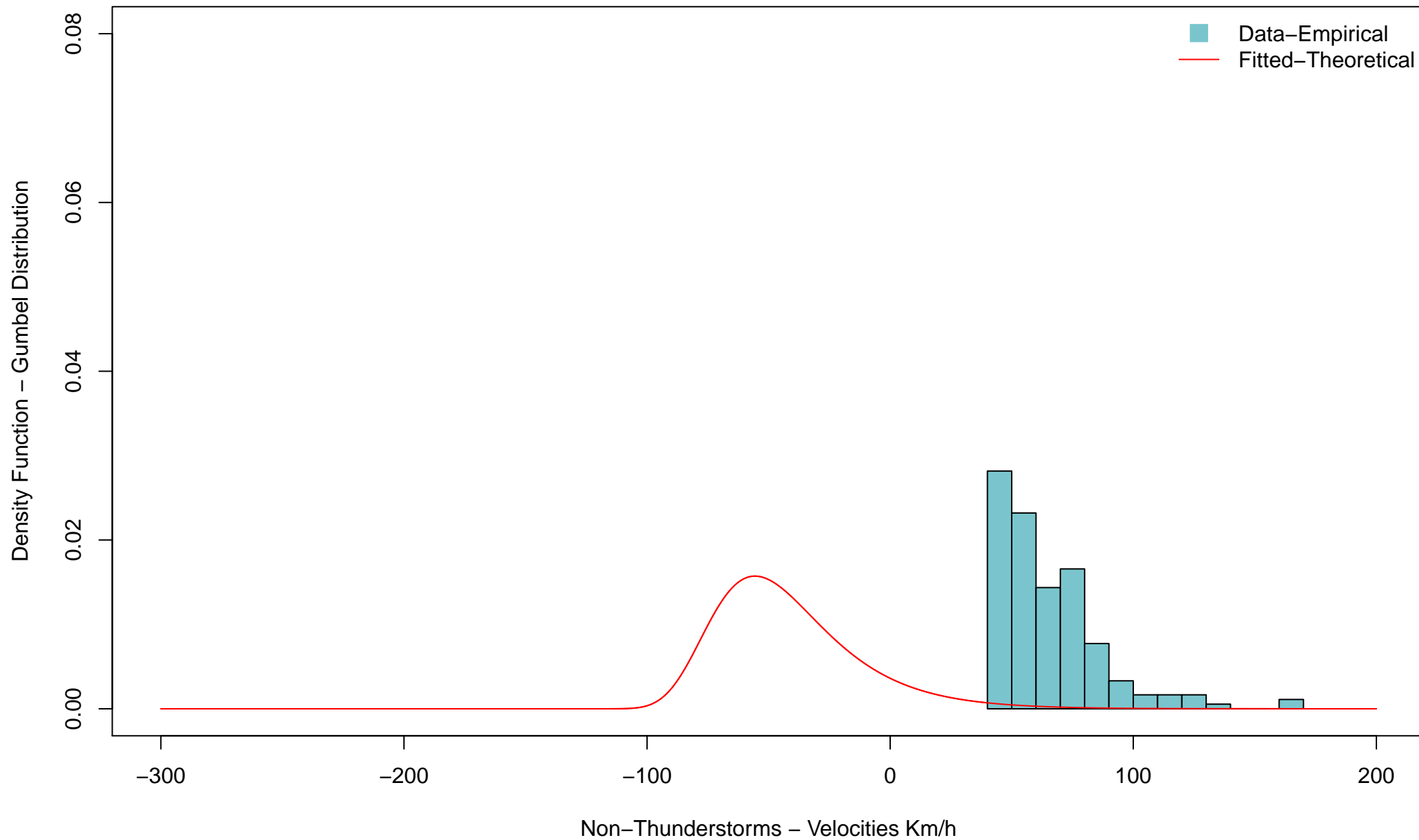
Declustered – Non-Thunderstorms – Hazard Curve – Station: 801120



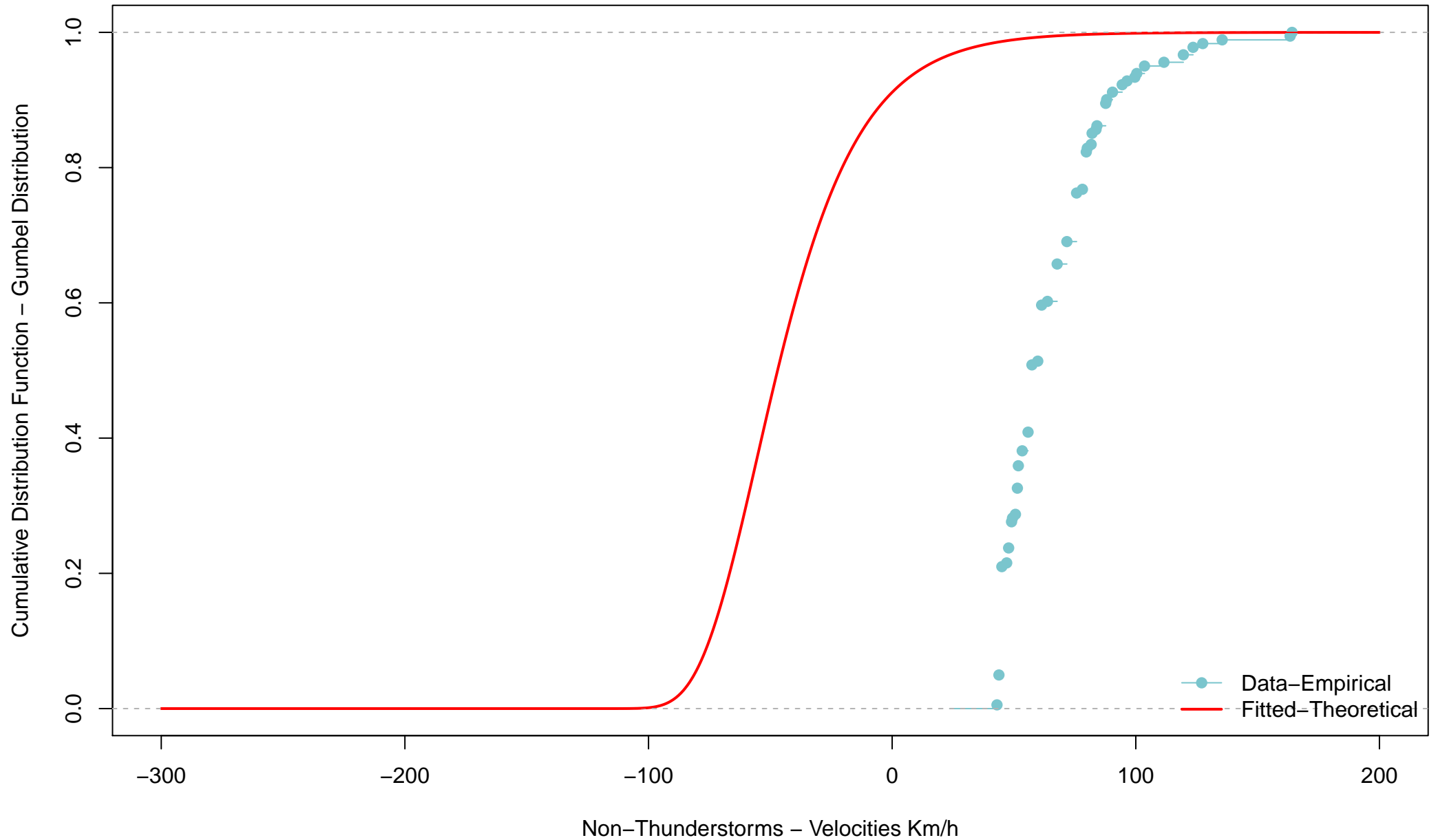
# Gumbel Density Function, but using parameters of Poisson Process

Location= -55.62 Scale= 23.4

Station: 801120



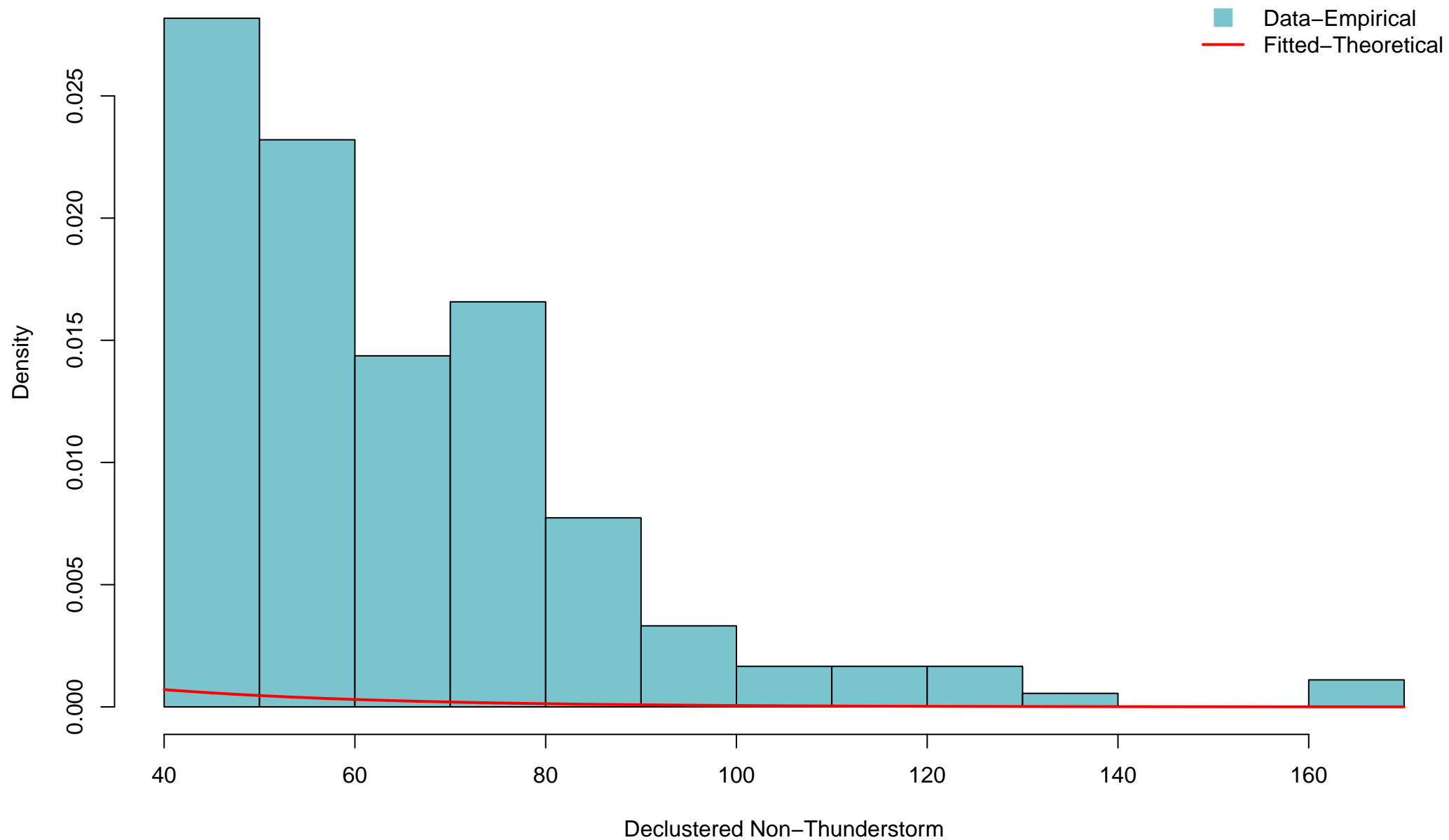
**Gumbel Cumulative Distribution, but using parameters of Poisson Process**  
**Location= -55.62 Scale= 23.4**  
**Station: 801120**



# Fitted Gumbel density function using parameters of Poisson Process

Location= -55.62 Scale= 23.4

Station: 801120



Declustered – Non-Thunderstorms – Hazard Curve – Station: 801120

