

Fig. S2 As Figure 4 and 8 but for annual maximum skew surge (difference between the maximum in the astronomical tide and the actual measured maximum total water level in each tidal cycle).

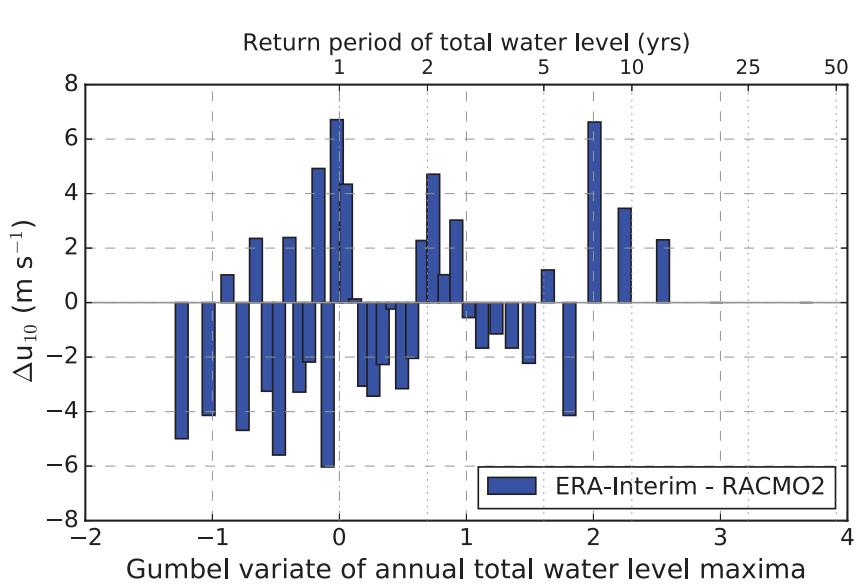


Fig. S3 Difference in mean 10-m wind speed over 4.6°E - 7.4°E and 53.3°N - 55.3°N in ERA-Interim and RACMO2 during the 36 annual maximum total water level events at Hoek van Holland. The x-axis and return period refer to the annual maximum water levels as seen in Figure 4a of each event. Values above zero are events where ERA-Interim wind speeds exceed those of RACMO2. Zero values indicate equal mean wind speeds in ERA-Interim and RACMO2, while negative values occur for events where ERA-Interim wind speeds are lower than those in RACMO2.

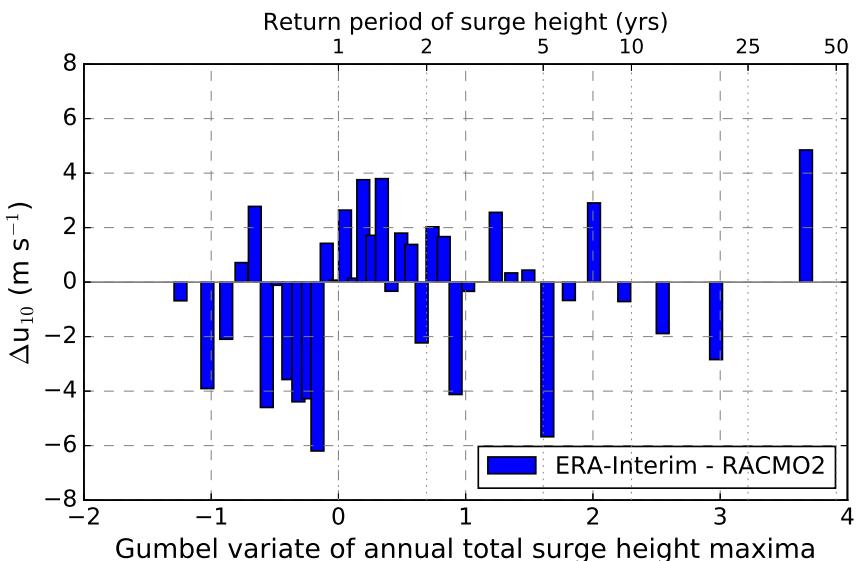


Fig. S4 As Figure S3 but for annual maximum surge height events at Hoek van Holland.