remote sensing

Supplemental Information

Figure S1. Most of the monthly time series used in the study of the Natal Bight.

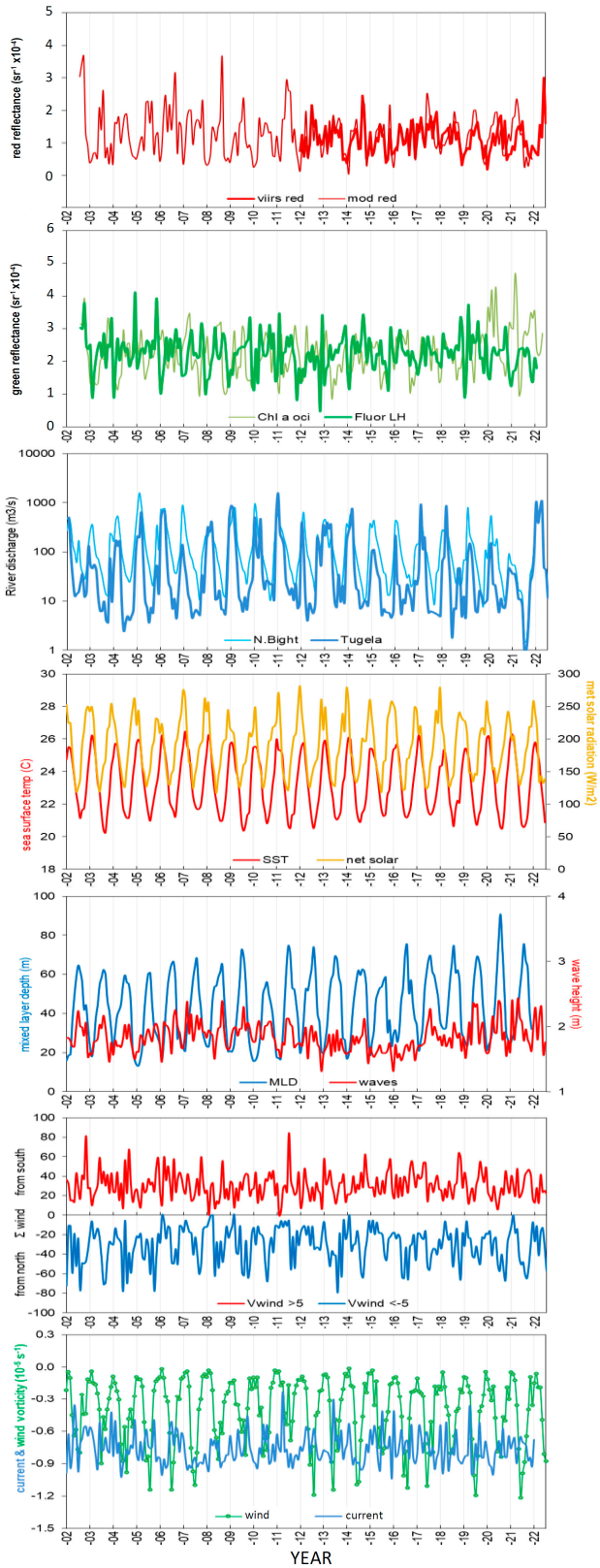

Figure S2. MODIS red-band reflectance hovmoller plot on 29.1S 2002-2012 similar to Fig 2a, with Tugela discharge at left. Right are red-band maps for Feb and June 2011. Lower right is sediment transport nomogram adapted from Van Rijn (2007). For June 2011: 2.6 m wave height, 0.3 m/s current gives 0.3 kg m^{-2}/s transport and suspended concentration of ~1 kg /m^3 for grain sizes <0.1 mm.

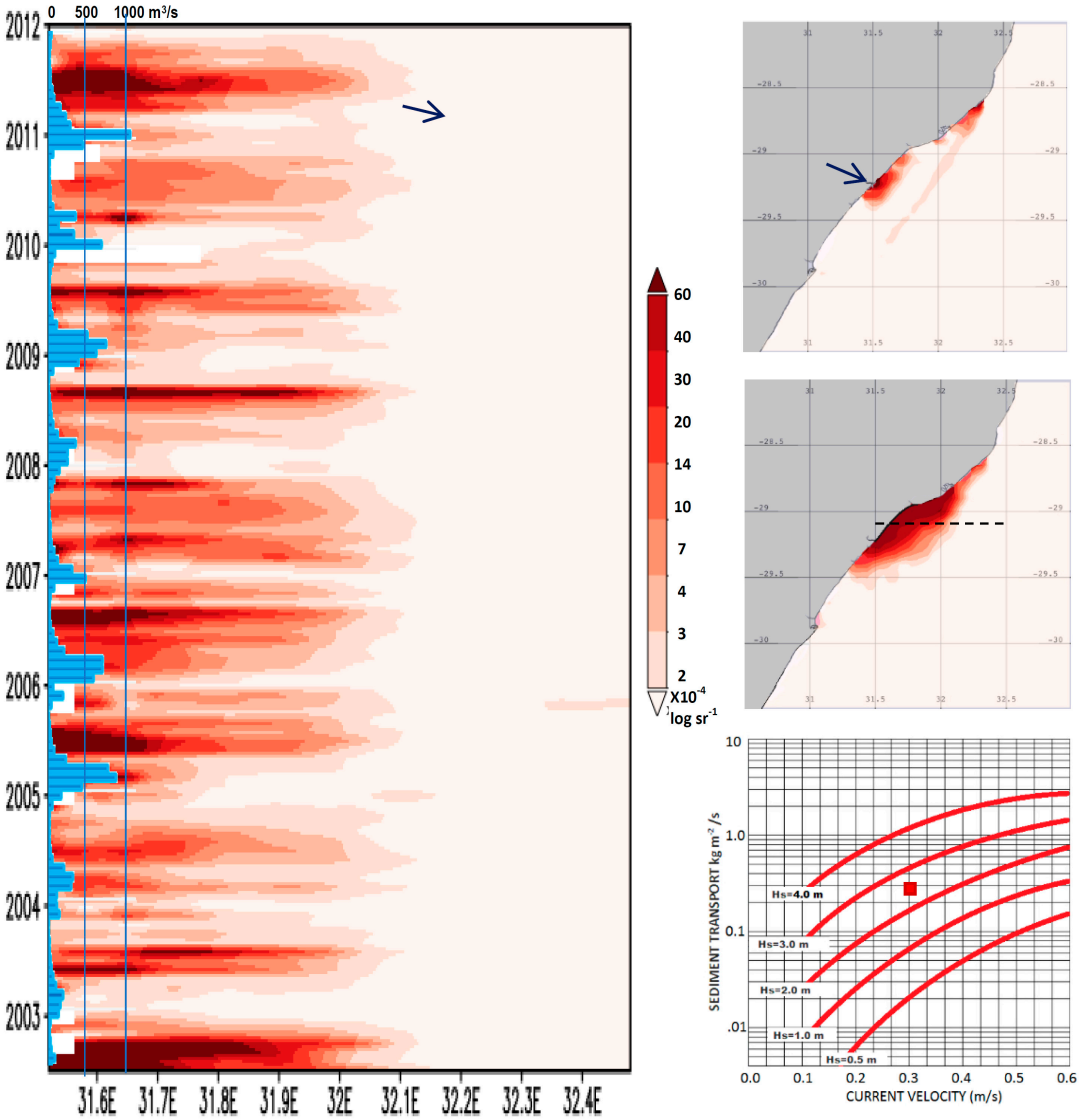
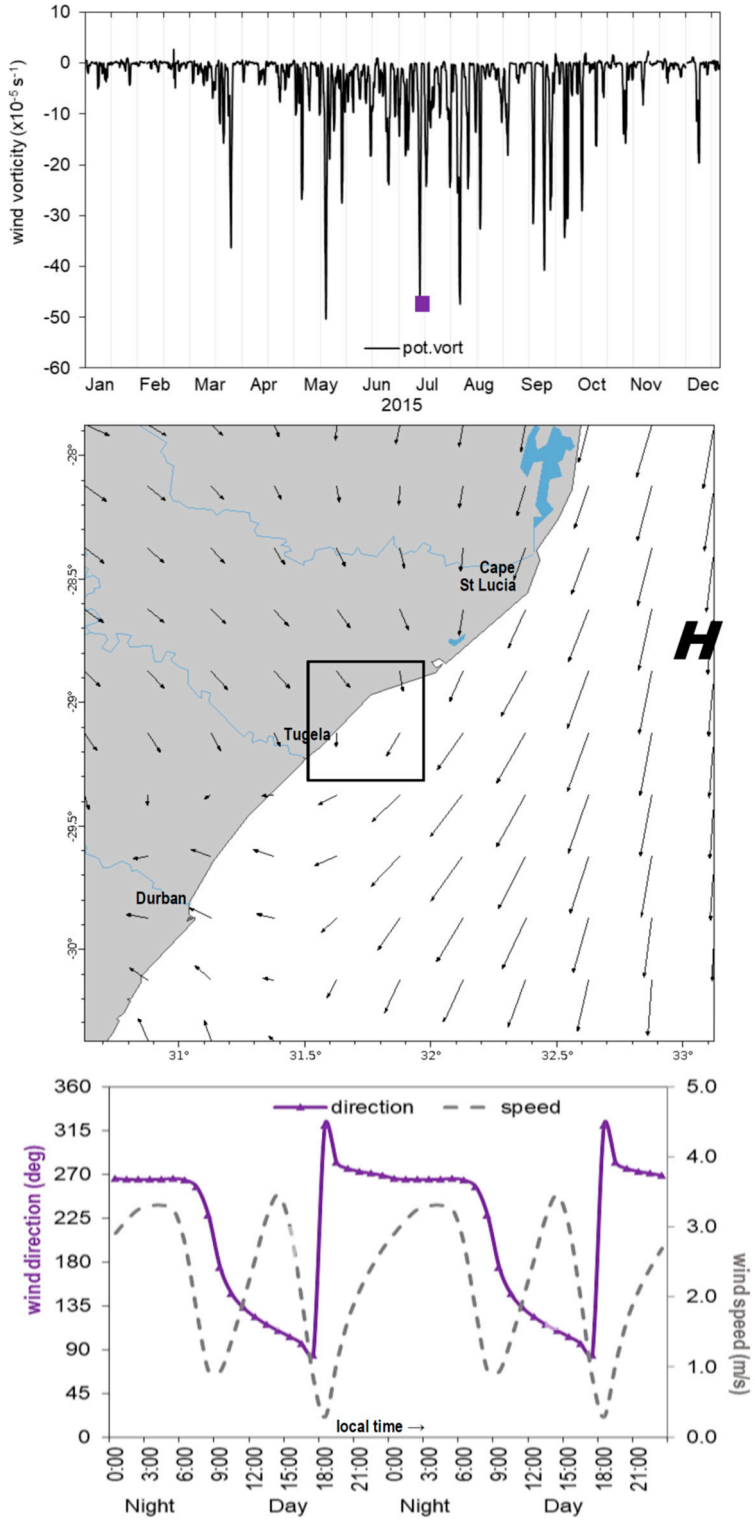
Figure S3. Top panel) 2015 time series of daily wind vorticity over the Natal Bight (negative cyclonic, event denoted by square), Middle) map of surface wind event on 12 July, ***H*** = Mascarene high. Lower) mean diurnal cycles for Jun-Aug 2015 at Tugela, illustrating nocturnal westerlies (270°).