

# IMMEDIATE POST-EVENT WINDFIELDS

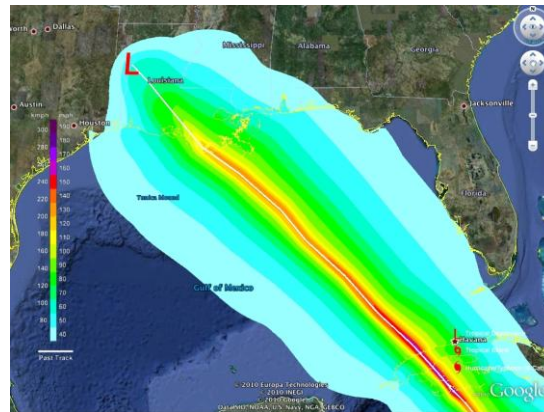
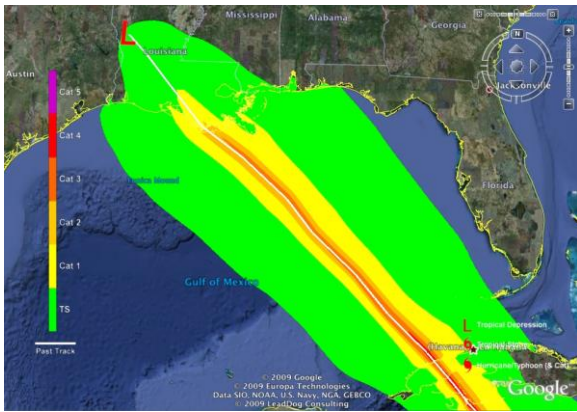
Tropical Storm Risk (TSR) Business works with the insurance industry around the world to help its clients manage the real-time risks associated with live tropical storms. Among its range of subscription products TSR offers immediate post-event windfield and gustfield datasets which offer unrivalled real-time accuracy, information content and timeliness of delivery.

## Business Benefits

High accuracy post-event windfields, available within hours of an event striking land, are critical to delivering:

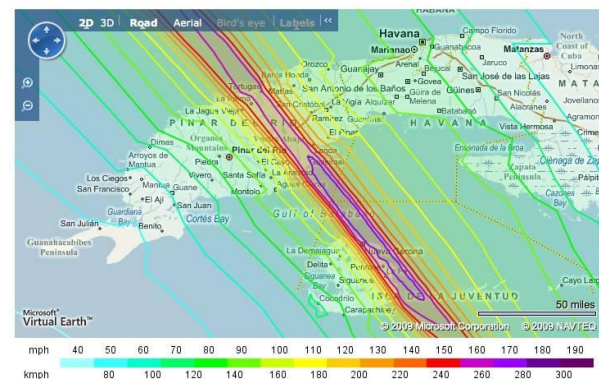
- Clear and rapid assessment of business impact.
- Early and more accurate loss estimation.
- Reliable information for the Board.
- Effective post-event planning.

## Key Features

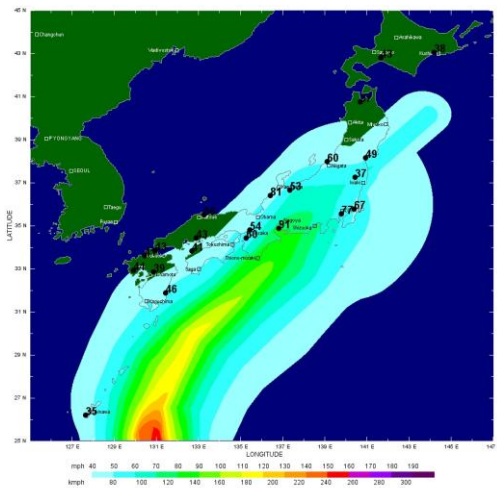


Product examples for Hurricane Gustav (2008). TSR surface wind history (far left), TSR surface gust history (left), and TSR gust history zoomed over Cuba (below).

- Maps the regions affected already by 1-min sustained winds of tropical storm strength and Cat 1-5 strengths, and by 3-second maximum gusts of 40-190 mph at 10 mph intervals.
- Includes surface roughness correction at landfall, displays far more detailed wind and gust information than available elsewhere, and operates at just 2 km spatial resolution.
- User-friendly display with all wind and gust thresholds colour-coded.
- Provided by 5-digit postcode for the US.



## Accuracy, Timeliness and Availability



- Unrivalled real-time accuracy (assessed against station wind observations 2004-2009). The accuracy is on a par worldwide and exceeds that offered by US organizations.
- Updates occur every 6 hrs (12 hrs for Southern Hemisphere tropical cyclones) and are issued within 10 mins of a public forecast release.
- Available for tropical cyclones worldwide.
- Available in a choice of four GIS formats for display on different Earth-mapping platforms and risk mapping software.
- Historical product data available online from February 2008.

Verification (left) of the TSR real-time surface gust history with station observations (black dots) for typhoon Melor's strike on Japan (2009). Mean absolute per cent error is 13%.

For more information including a free 7-day online trial please either go to [www.tropicalstormrisk.com/business](http://www.tropicalstormrisk.com/business) or contact Prof Mark Saunders on +44 (0)1483 204187 or [Mark.Saunders@tropicalstormrisk.com](mailto:Mark.Saunders@tropicalstormrisk.com).