

Wind Anomalies 2014

Central America

(Panama, Guatemala, Belize, Honduras, Costa
Rica, Nicaragua, El Salvador)

OBJECTIVE :

The aim of this report is to compare 2014 wind speeds in Central America against climatic regime in order to explore last year anomalies according to Vortex modeling chain.

Studied countries are:

- Panama
- Guatemala
- Belize
- Honduras
- Costa Rica
- Nicaragua
- El Salvador

METHODOLOGY:

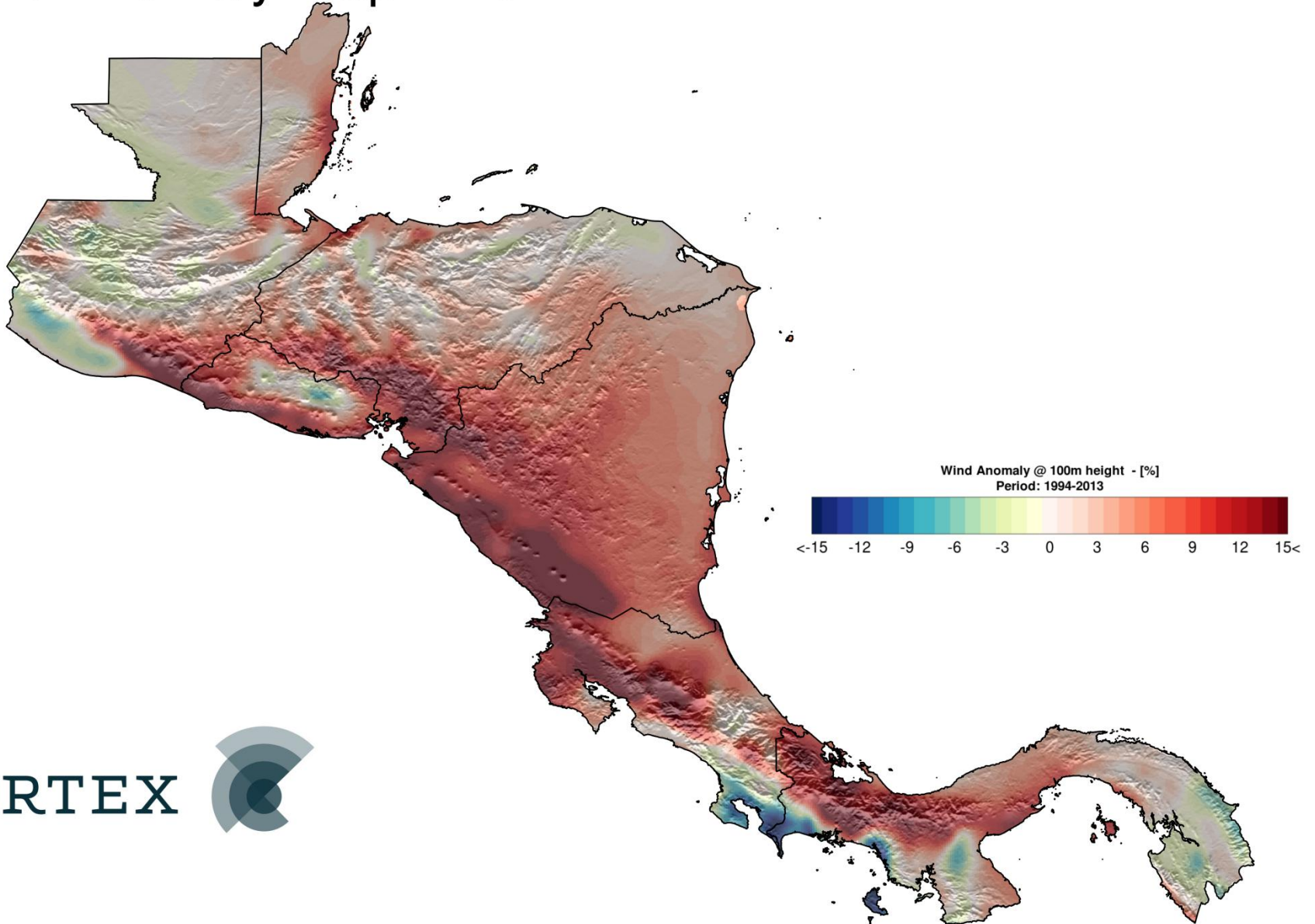
Wind speed anomalies in Central America were estimated using the last 30-year period as a baseline. Both last-year and long-term results were downscaled up to 9 km resolution at 100 m a.g.l. by Vortex modeling chain based on NCEP-CFSR reanalysis. Anomalies are expressed as the percent deviation relative to annual wind speed average.

LIMITATIONS:

Due to its low-resolution format, this report just provides general indications about the wind behavior in 2014 at a regional scale. It does not intend to provide specific conclusions for any particular site. A higher resolution downscaling, preferably with actual measurements remodeling, is needed to perform such analysis for a given wind farm or met. masts.

Central America

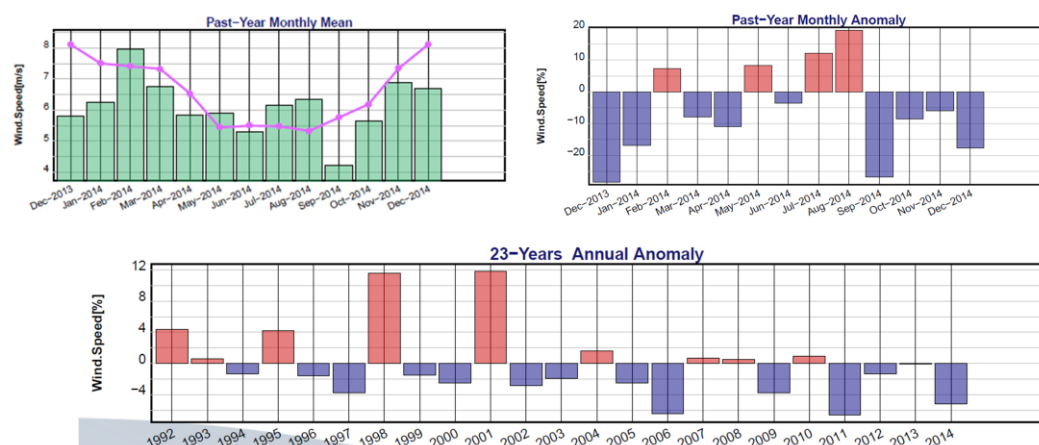
Wind Anomaly Map – 2014



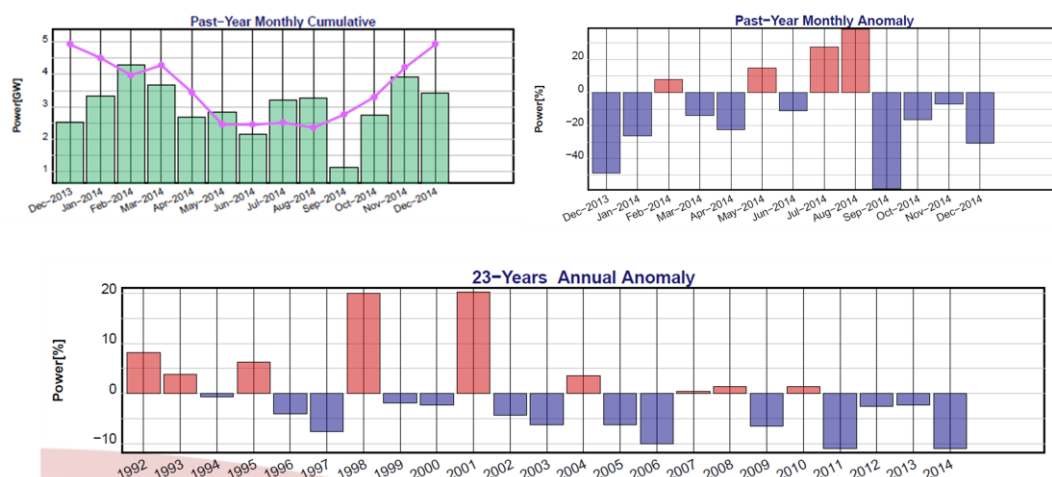
VORTEX MONTHLY INSIGHT:

Vortex new solution, Monthly Insight, performs a site-specific anomalies study for a given location in terms of wind or power production, with or without local measurements remodeling. Please, find below some samples of Insight Monthly reports and feel free to contact us in order to get deeper information about this feature.

WIND



POWER



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