

hCast-SR.

The most comprehensive short-range probabilistic hurricane track and intensity forecasts in the industry.

DEAN / AL04 : Storm Detail Page						
Updated: Aug 19, 2007 06:00 UTC						
Current Status view track plot						
Date/Time (UTC)	Lat	Lon	Min Pressure (mb)	Sustained Wind Speed (knots)	Radius of Hurricane Force Winds (miles)	CHI™
2007-08-19 / 06:00	16.40	-72.60	921	125	58	12.8
view history						
AER Probabilistic Forecasts						
All Gulf Coast Florida Southeast Northeast CHI-Cat-in-a-Box view satellite images view map						
United States Atlantic and Gulf Coasts						
Probability of Landfall as Hurricane	2%					
Probability of Landfall	4%					
Predicted Landfall (UTC)	Aug 22 18:00 to Aug 23 14:00					
Conditional Expected CHI™	2.0					
NHC Expected CHI™	--					

hCast-SR Service

- A cutting edge 5 day probabilistic hurricane track & intensity forecast service that monitors tropical storm activity throughout the Atlantic Basin and Gulf of Mexico then statistically interprets landfalling hurricane risk along the East & Gulf Coasts of the US.
- A highly innovative decision support tool that weights, processes and statistically interprets forecast information from not one but seven leading worldwide hurricane modeling centers to provide you with the best, most realistic track & intensity available.
- A powerful MOS hurricane track forecast from an ensemble of forecast models some of which are ensembles themselves. Over 100 independent track & intensity forecasts updated four times per day which quantify the risk of landfalling hurricanes for 5 regions along the East & Gulf Coasts.
- Fully integrated web interface for point and click access to detailed information on position, intensity and probability of making landfall- for one or more active storms.
- A unique service developed and supported by leading hurricane experts with extensive backgrounds in meteorology, mathematics and statistics—specifically designed for the energy, derivatives and insurance markets.

hCast-SR Advantage

Minimize Your Risk.

hCast-SR's MOS track & intensity forecasts provide the information you need to evaluate your risk before they become catastrophic events.

Complete, Unbiased Track Information.

With hCast-SR MOS you can monitor an unbiased statistical interpretation of over 100 hurricane track forecasts from 7 leading hurricane modeling centers on a single robust web interface.

Clear, Concise Reporting.

Tables and graphics provide detailed position reports with unambiguous graphics. Summarizing the key information into a quick read for those making time critical decisions. The forecast track is based on the best interpretation of all available track and positioning information.

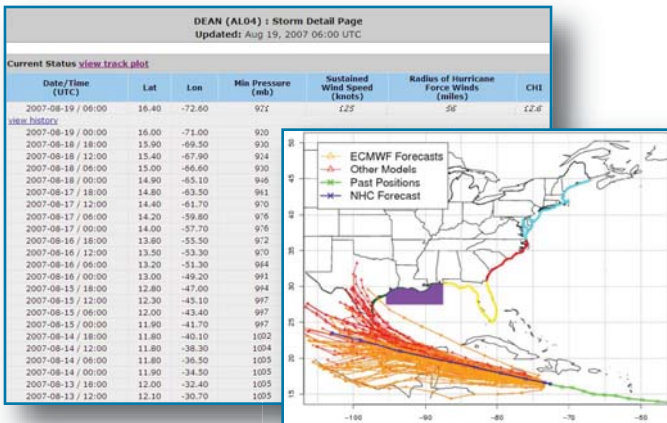
Access to Tropical Storm Experts.

hCast-SR includes a team of hurricane experts available to answer questions regarding time sensitive tropical events. They are ready to help you interpret your risk of landfalling hurricanes.

Early Warnings

Tropical Genesis areas are closely monitor to provide an early warning of potential storm threats.

hCast Features

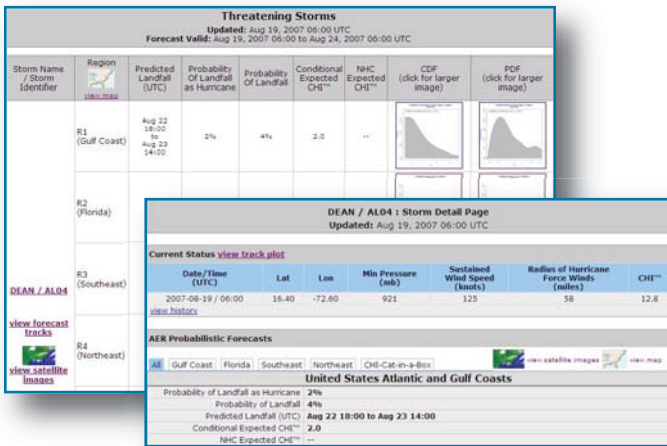


Precise probabilistic storm information about landfalling hurricane potential over 5 distinct regions along the coast.

Quickly assess landfall timing and location and expected damage-updated 4 times per day.

Each storm's destructive potential is represented as the Carvill Hurricane Index (CHI), a newly traded futures contract on the Chicago Mercantile Exchange. An extra feature for futures trading.

The latest information on Tropical Genesis areas, giving you an early look at what the NHC is monitoring for upcoming tropical events.

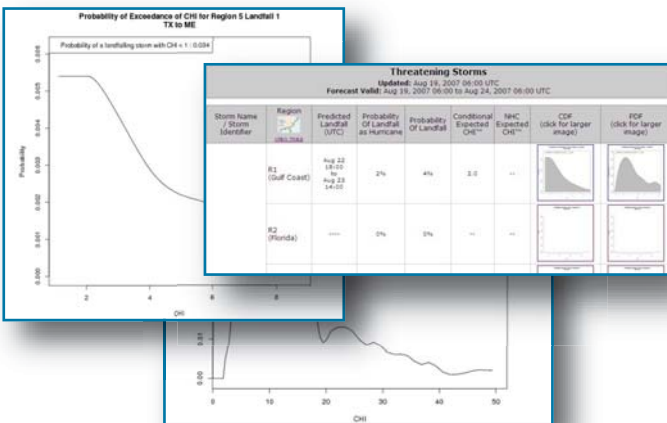


View the storm's latest information along with its calculated CHI and click to see a history of over 5 days of its past positions and intensity.

View over 400 hurricane forecast tracks from 7 leading modeling centers

- NOAA's National Hurricane Center/Tropical Prediction Center (TPC),
- European Center for Medium Range Weather Forecasts (ECMWF)
- United Kingdom Meteorological Office (UK Met Office),
- NOAA's Geophysical Fluid Dynamics Laboratory (GFDL)
- NOAA's National Center for Environmental Prediction (NCEP)
- U. S. Navy Fleet Numerical Modeling and Operations Center (FNMOC)
- Environment Canada Modeling Center (CMC)

Our robust storm detail page provides you with the latest hurricane information including; minimum pressure, sustained wind speeds and radius of hurricane force winds all in a concise tabular format.



A selection of value-added satellite images that animate the current and developing storms' activity for easy monitoring.

Plots of the probability distribution function for CHI at landfall (PDF) and the cumulative distribution function for the probability of CHI exceedance (CDF) are provided for more detailed analysis of the forecasted hurricane's potential intensity.

hCast-SR was developed and is supported by leading AER scientists with recognized expertise in tropical prediction, numerical weather prediction, ensemble modeling techniques, bias correction and statistical methods. hCast employs the latest techniques based on years of experience in these combined areas.

For more information or to sign up for a live forecast demo, please contact an authorized hCast-SR Sales Representative at marketing@aer.com.



©2008 Atmospheric and Environmental Research, Inc.
131 Hartwell Avenue, Lexington, MA 02421
Telephone +1 781 761-2288 Facsimile +1 781 761-2299