



NOAA's NWS National Performance Measures FY 2008 – FY 2014

Government Performance Requirements Act (GPRA) Performance Measure	Goals	Actual	Goals					
	2008	2008	2009	2010	2011	2012	2013	2014
Weather and Water Goals								
Storm-Based Tornado Warning Accuracy (%)	67	72	69	70	70	72	72	72
Storm-Based Tornado False Alarm Rate (%)	74	75	72	72	72	70	70	70
Storm-Based Tornado Warning Lead Time (Min)	11	14	12	12	12	13	13	13
Flash Flood Warnings - Accuracy (%)	90	91	90	75	75	76	76	76
Flash Flood Warnings - Lead Time (Min)	49	77	49	49	49	49	49	49
Hurricane Track Forecasts (48 Hours, RMS)	109	86	108	107	106	102	100	98
Hurricane Intensity Error (48 Hour, Knots)	14	14	13	13	13	12	12	12
Precipitation Forecast – Day-1 Threat Score (%)	29	33	29	30	30	31	32	32
Winter Storm Warnings - Accuracy (%)	90	89	90	90	90	91	91	91
Winter Storm Warnings - Lead Time (Hours)	15	17	15	15	16	16	16	17

“America’s Weather Enterprise: Protecting Lives, Livelihoods, and Your Way of Life”

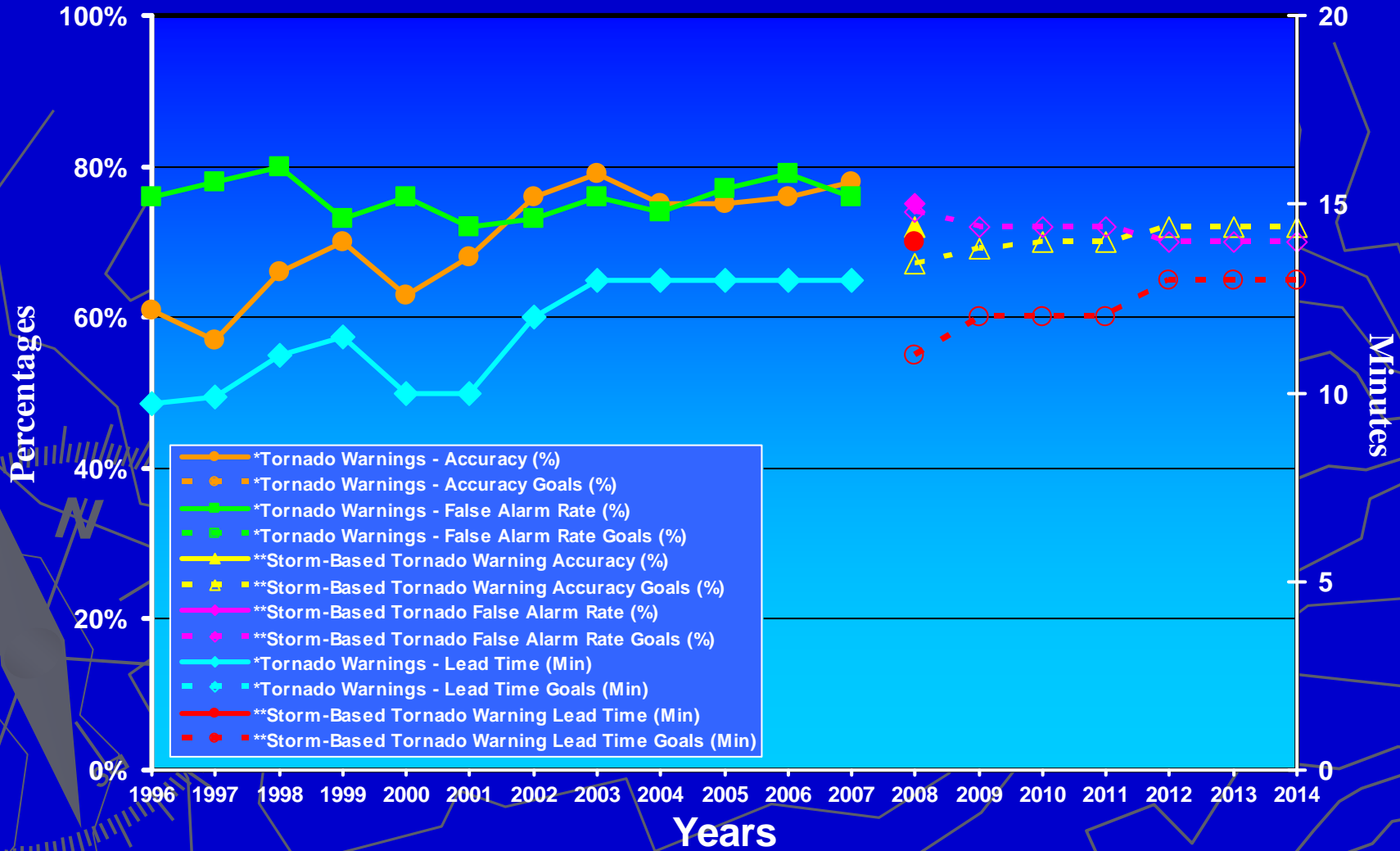


NOAA's NWS National Performance Measures FY 2008 – FY 2014

Government Performance Requirements Act (GPRA) Performance Measure	Goals	Actual	Goals					
	2008	2008	2009	2010	2011	2012	2013	2014
Climate Goals								
U.S. Seasonal Temperature – Skill	19	26	23	24	24	25	25	26
Commerce and Transportation Goals								
Aviation Forecasts (Ceiling and Visibility) – Accuracy (%) (less than 3 mi/1000 ft)	63	62	64	65	66	67	68	69
Aviation Forecasts (Ceiling and Visibility) – False Alarm Rate (%) (less than 3 mi/1000 ft)	44	39	43	42	41	40	39	38
Marine Wind – Percentage of Accurate Forecasts	68	72	69	69	69	70	70	70
Marine Wave Height – Percentage of Accurate Forecasts	73	77	74	74	74	75	75	75



Tornado Warnings



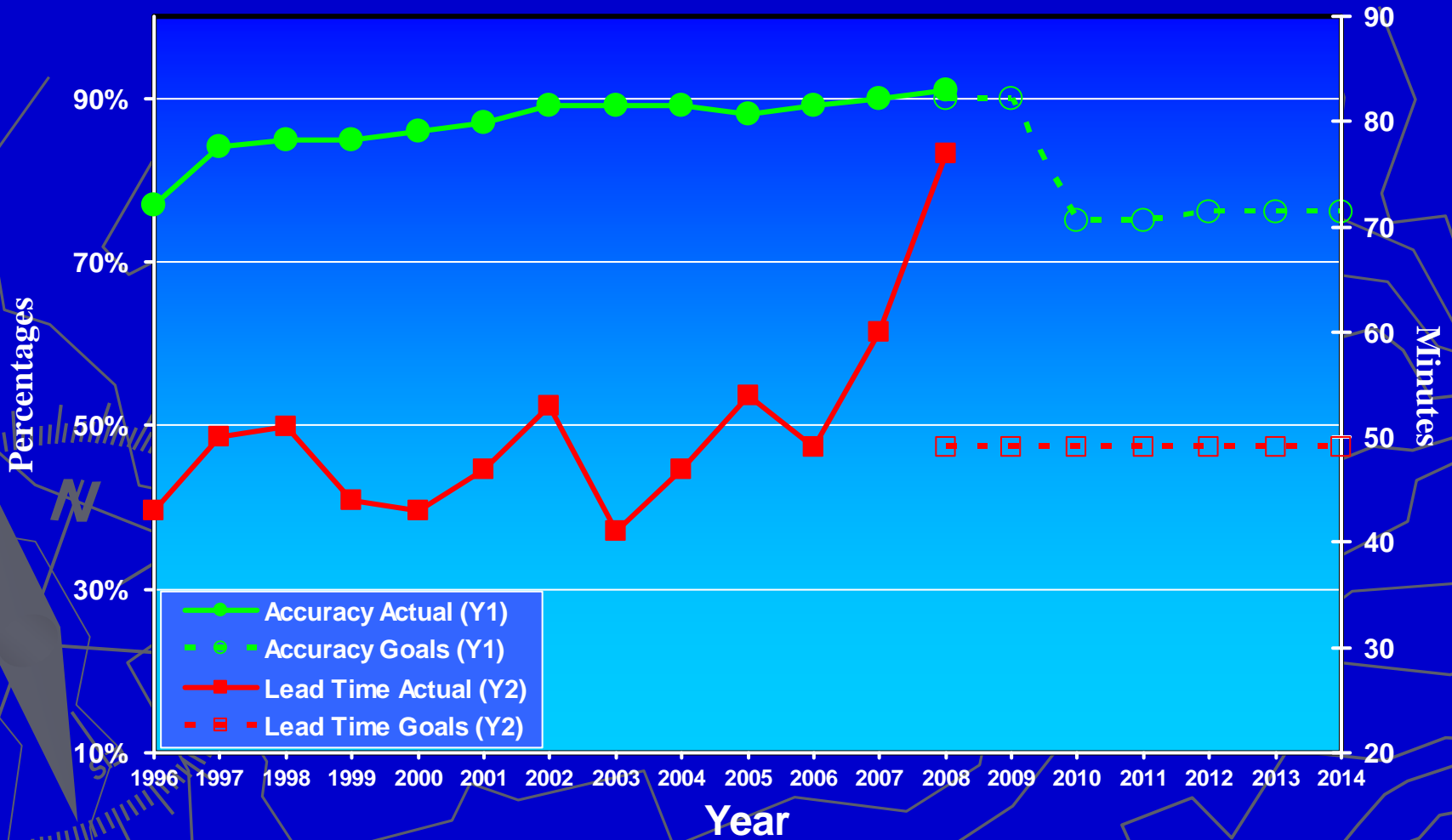
* 1996 - 2007 Tornado Warnings used County-Based Methodology.

** 2008 - Present Tornado Warnings use new Storm-Based Methodology.

“America’s Weather Enterprise: Protecting Lives, Livelihoods, and Your Way of Life”

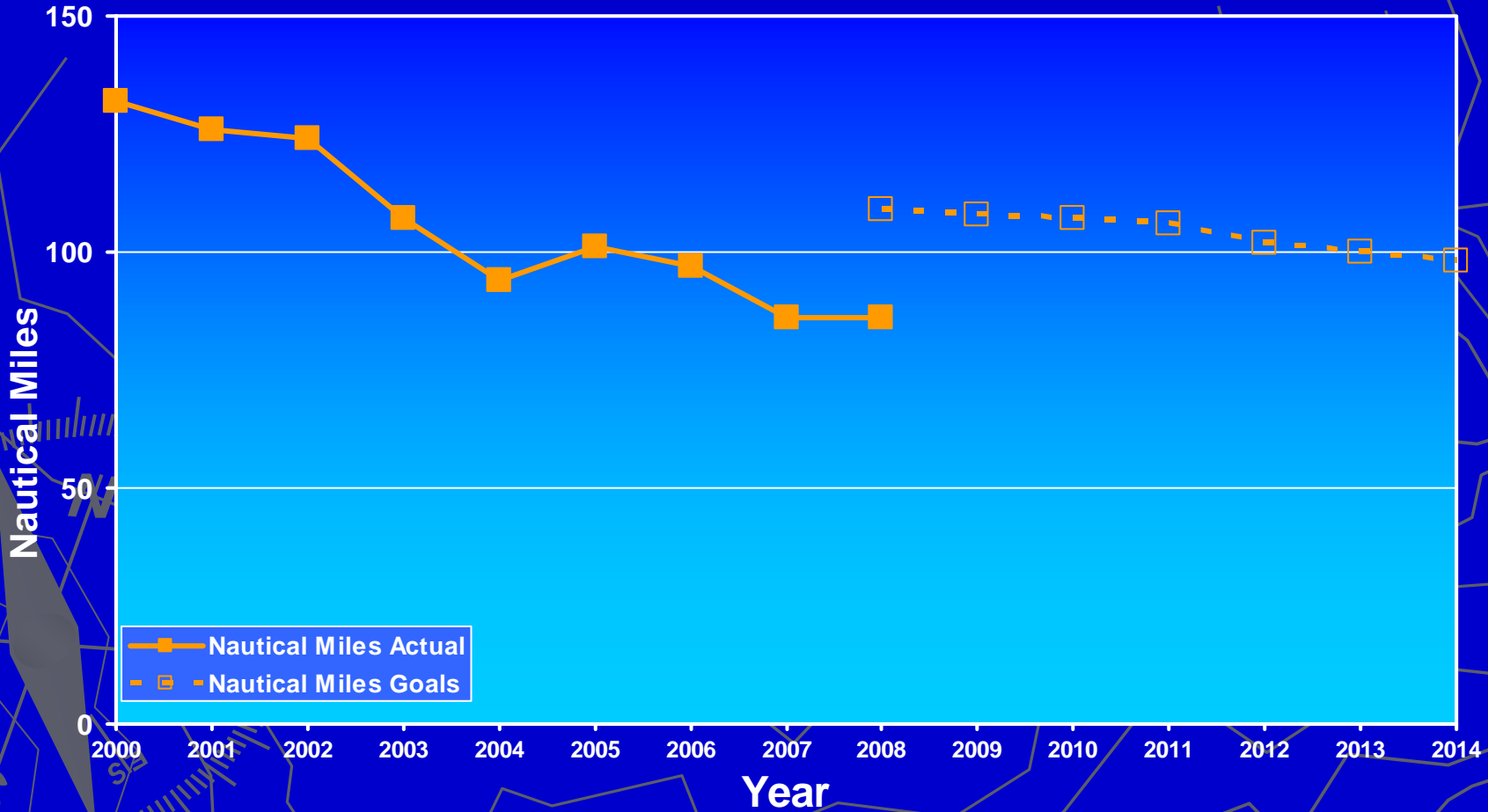


Flash Flood Warnings



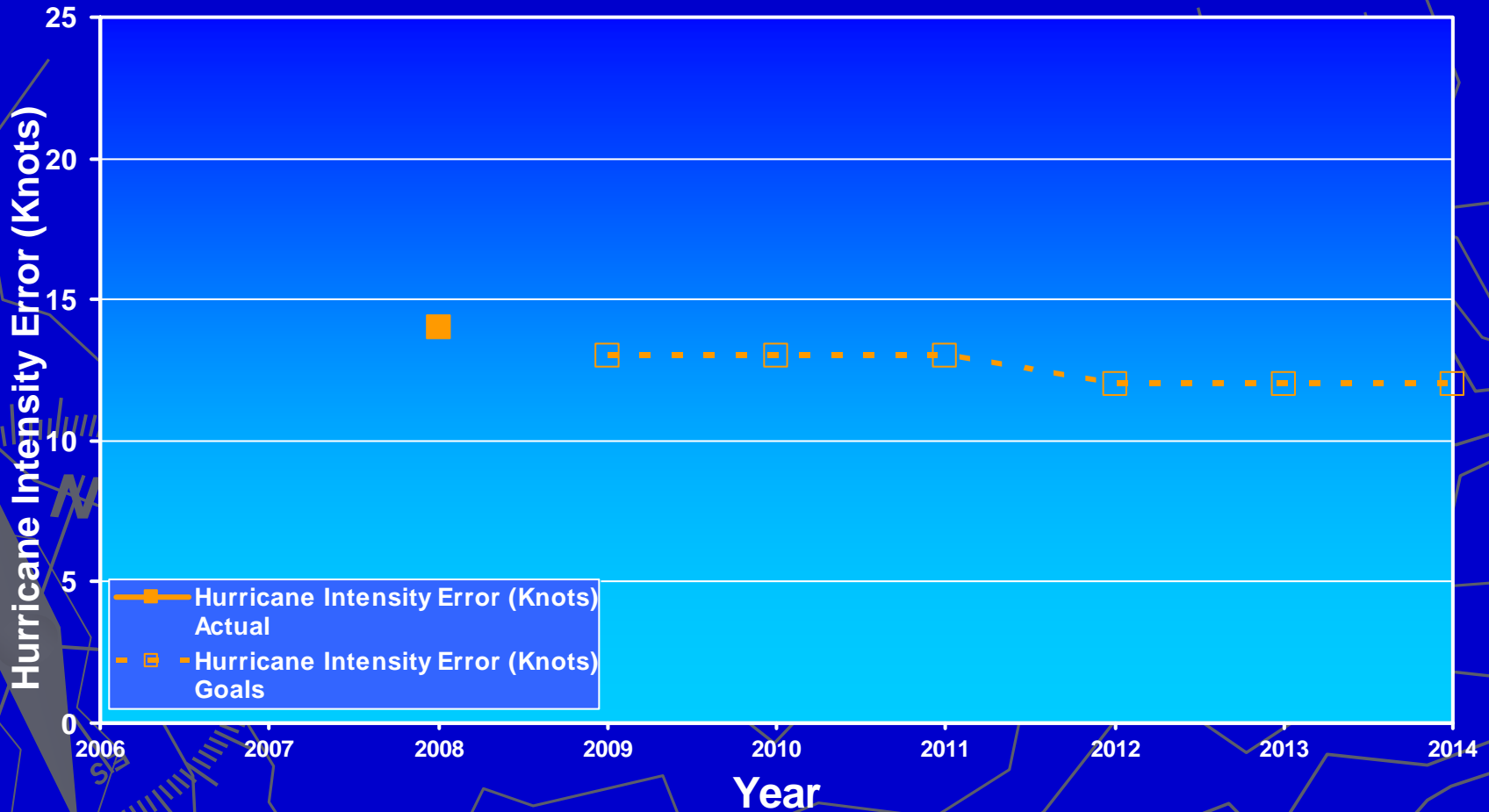


Hurricane Track Forecasts (48Hrs Forecast Error, RMS)



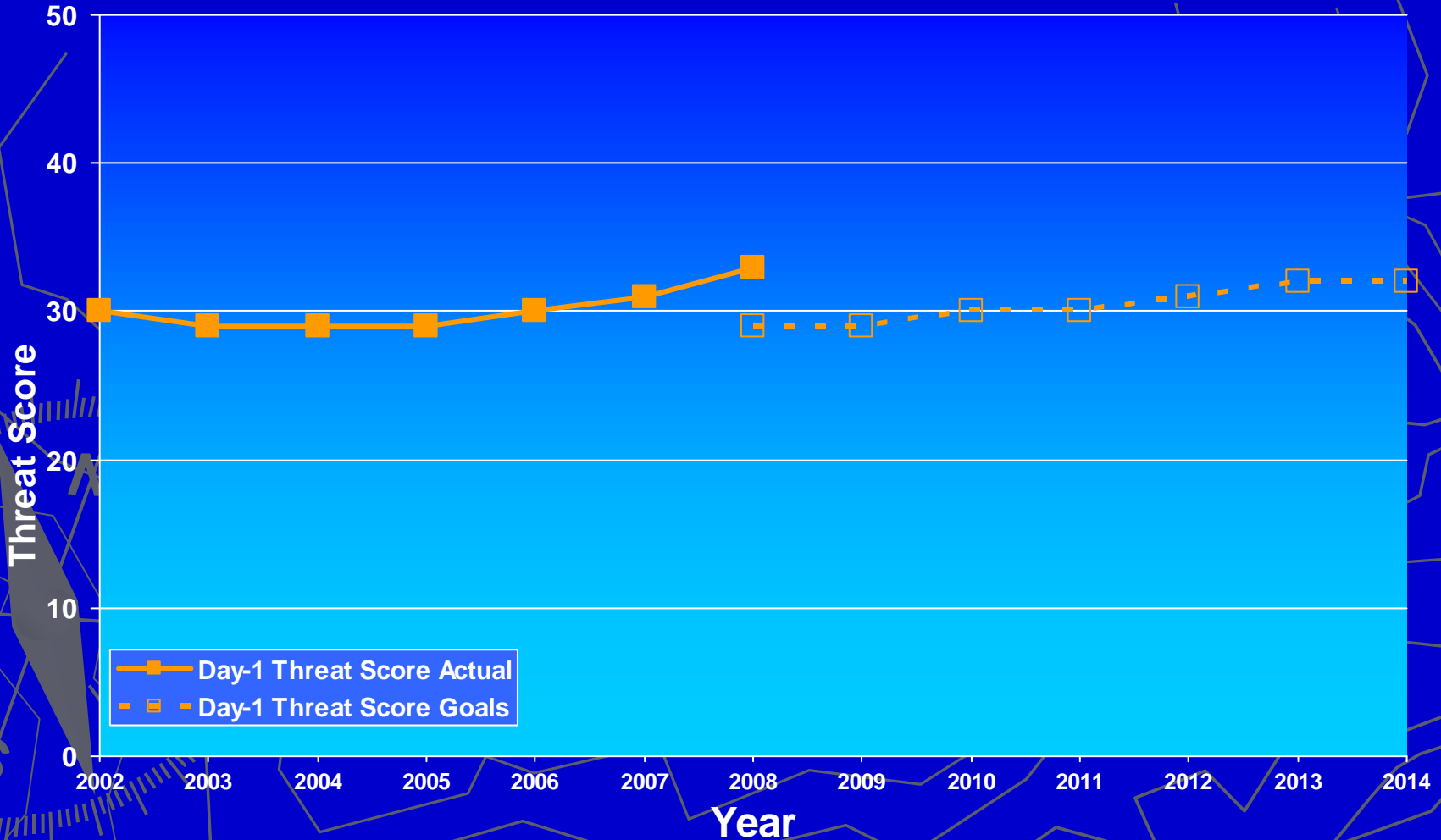


Hurricane Intensity Error (Knots)



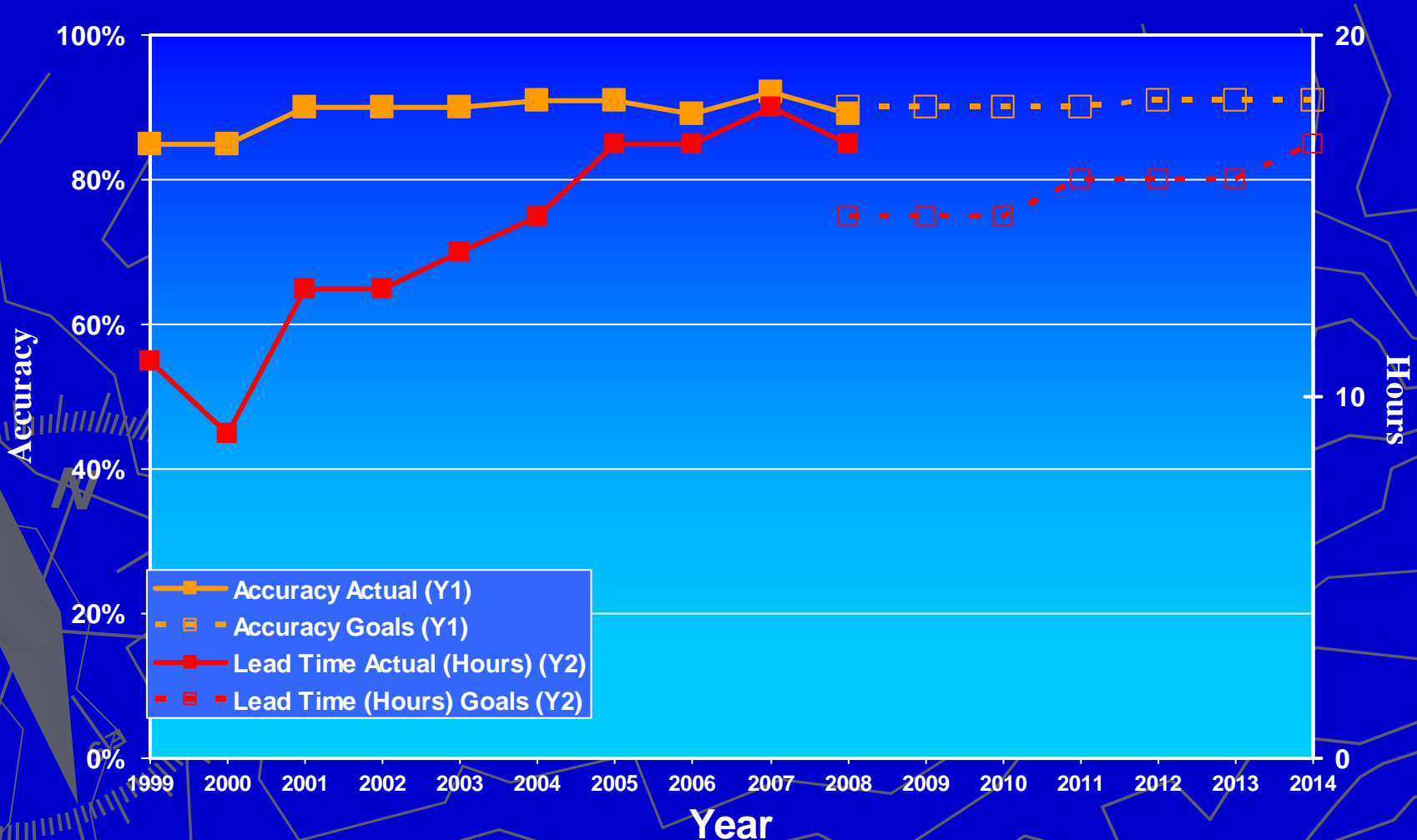


Precipitation Forecast *(Day-1 Threat Score)*



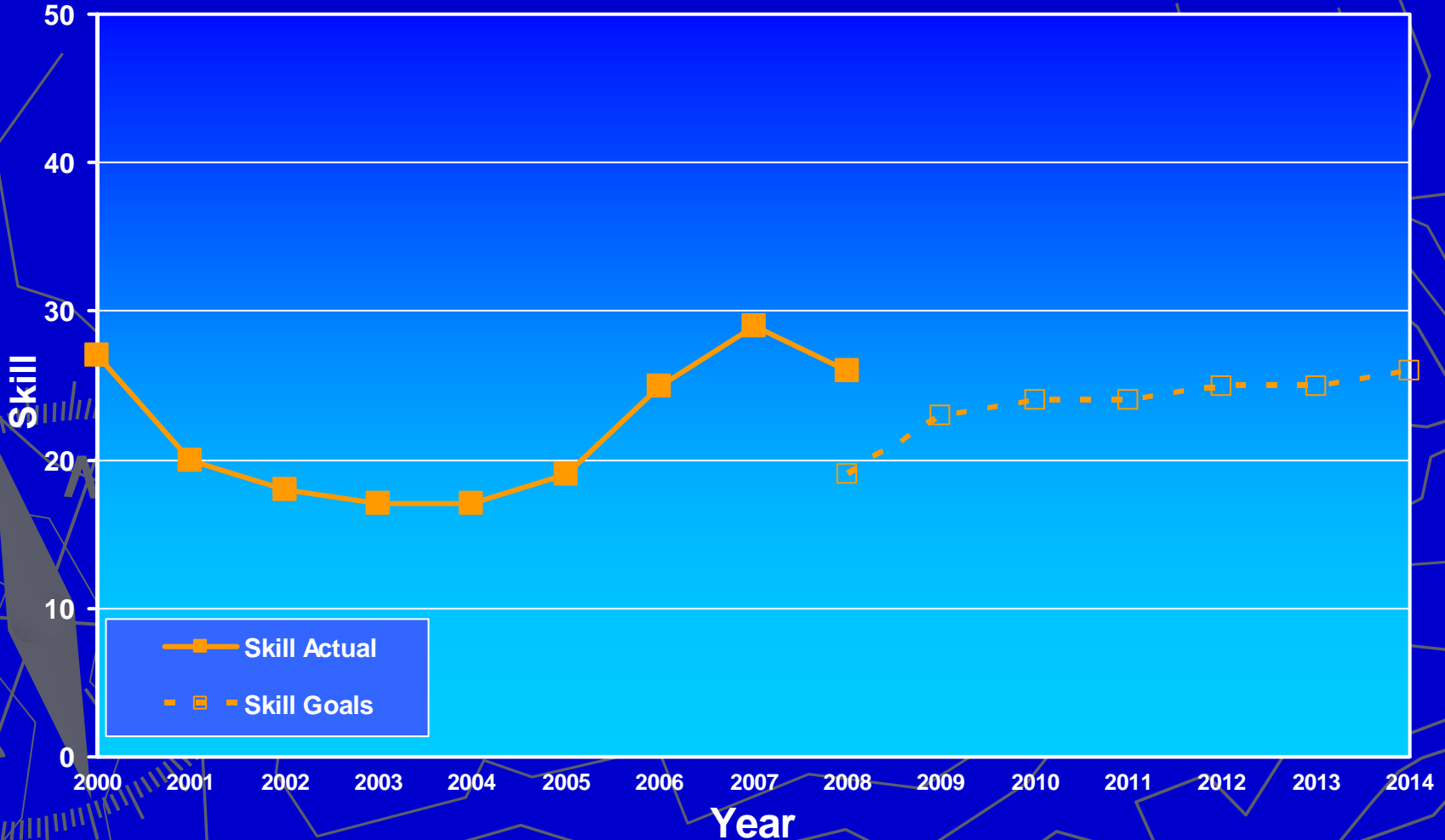


Winter Storm Warnings





U.S. Seasonal Temperature - Skill





Aviation Forecasts (Ceiling/Visibility Forecast)

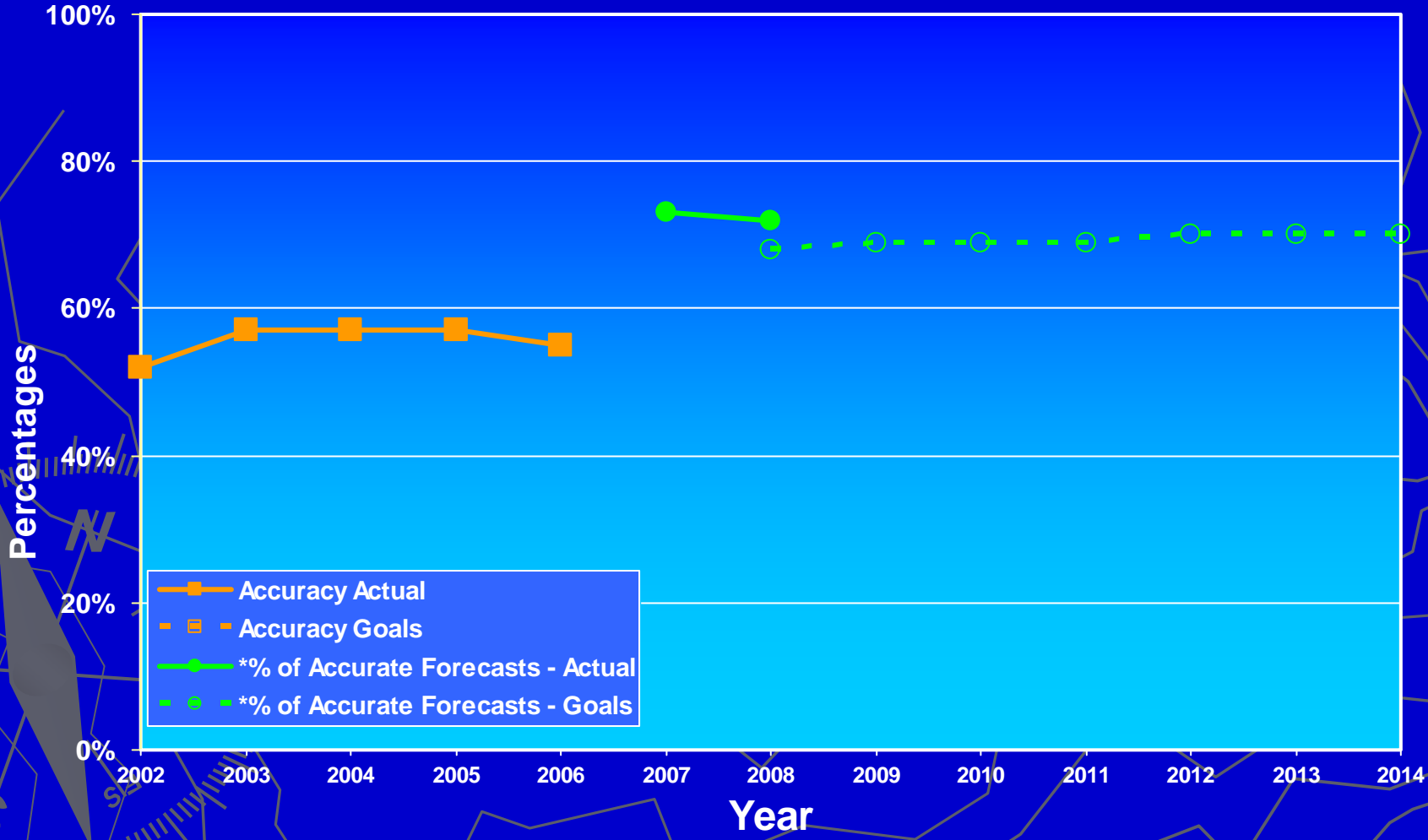


* Modified performance measures to be more meaningful and relevant to the aviation community and the forecaster.

“America’s Weather Enterprise: Protecting Lives, Livelihoods, and Your Way of Life”



Marine Wind Speed Forecasts

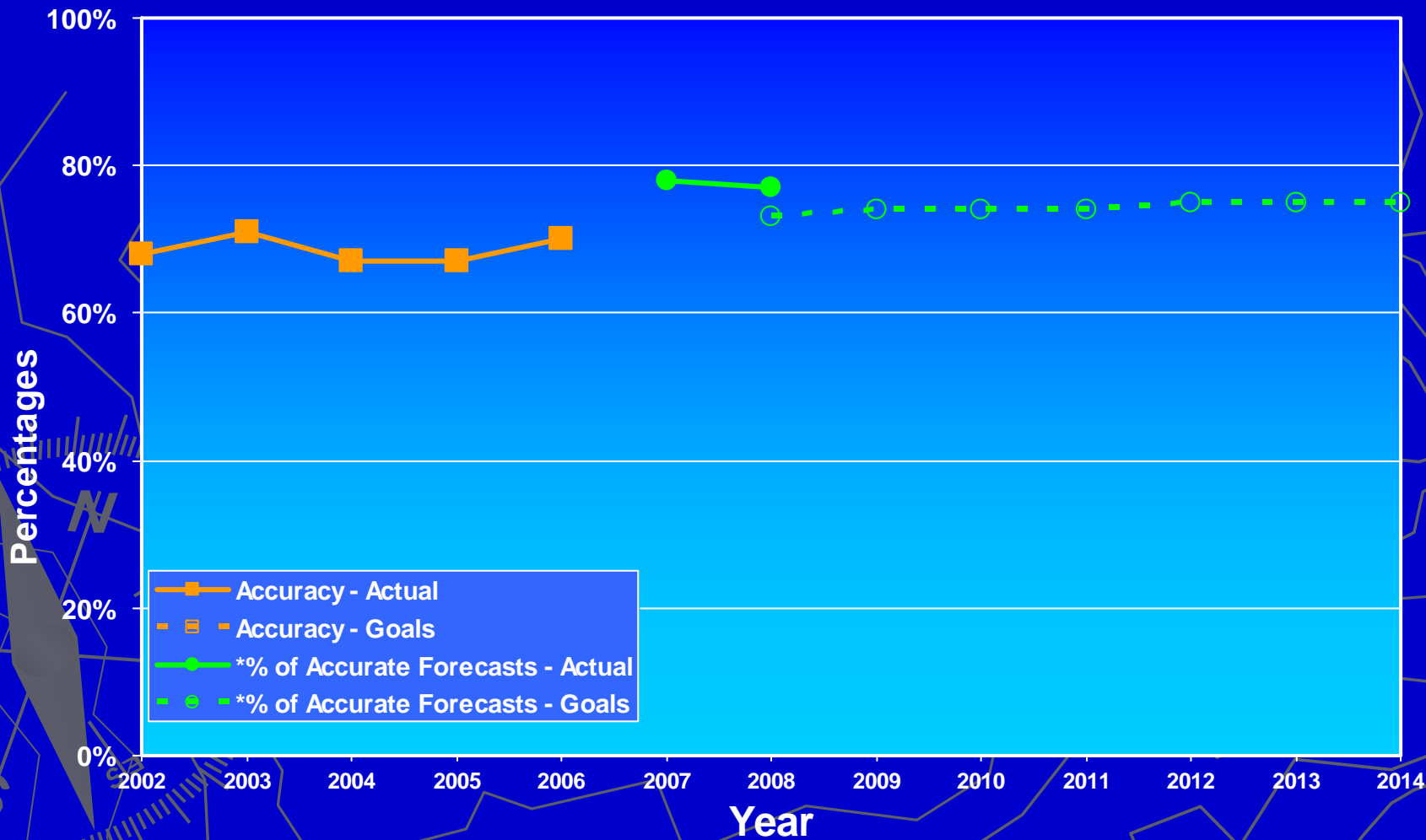


* New performance measures to best represent forecast accuracy.

“America’s Weather Enterprise: Protecting Lives, Livelihoods, and Your Way of Life”



Marine Wave Height Forecasts



* New performance measures to best represent forecast accuracy.

“America’s Weather Enterprise: Protecting Lives, Livelihoods, and Your Way of Life”