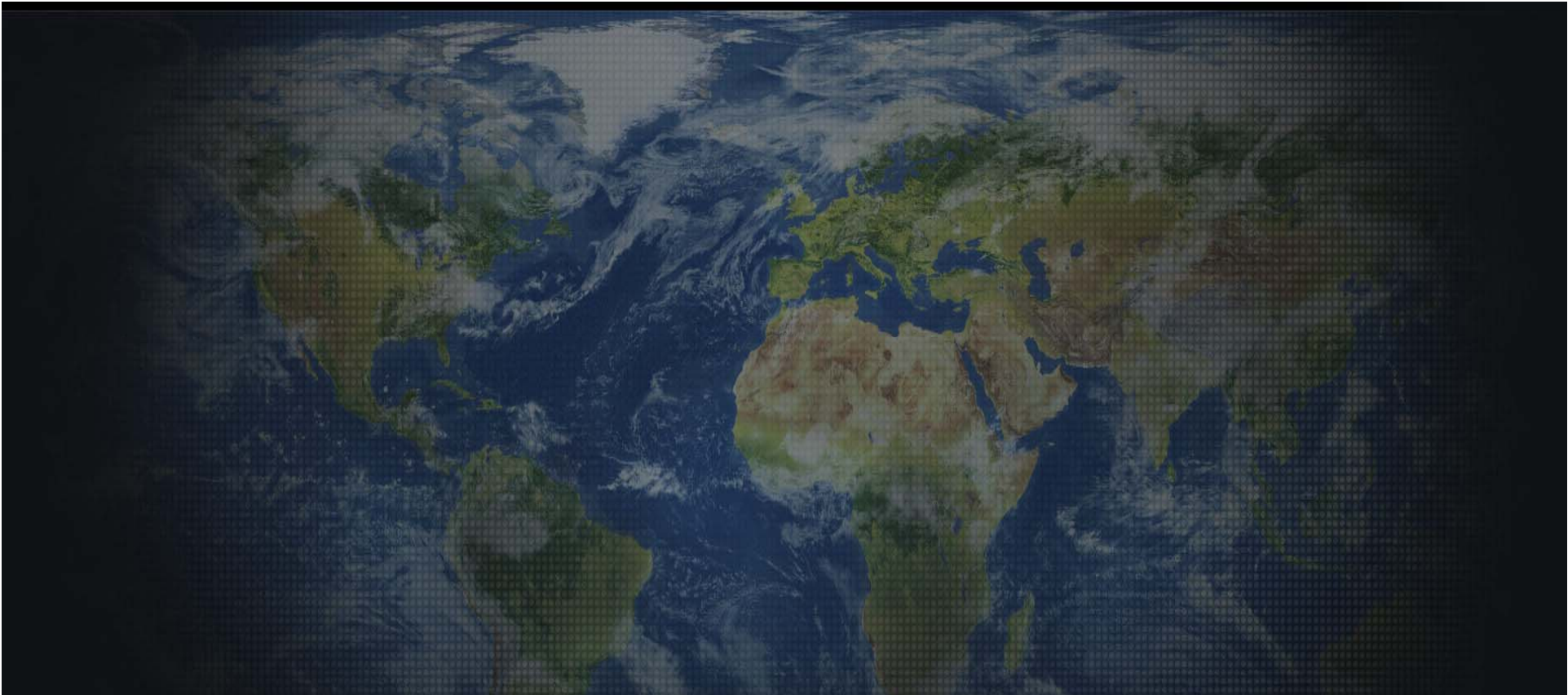




WEATHERBUG ENERGY TRADING SEMINAR - SUPPLEMENT

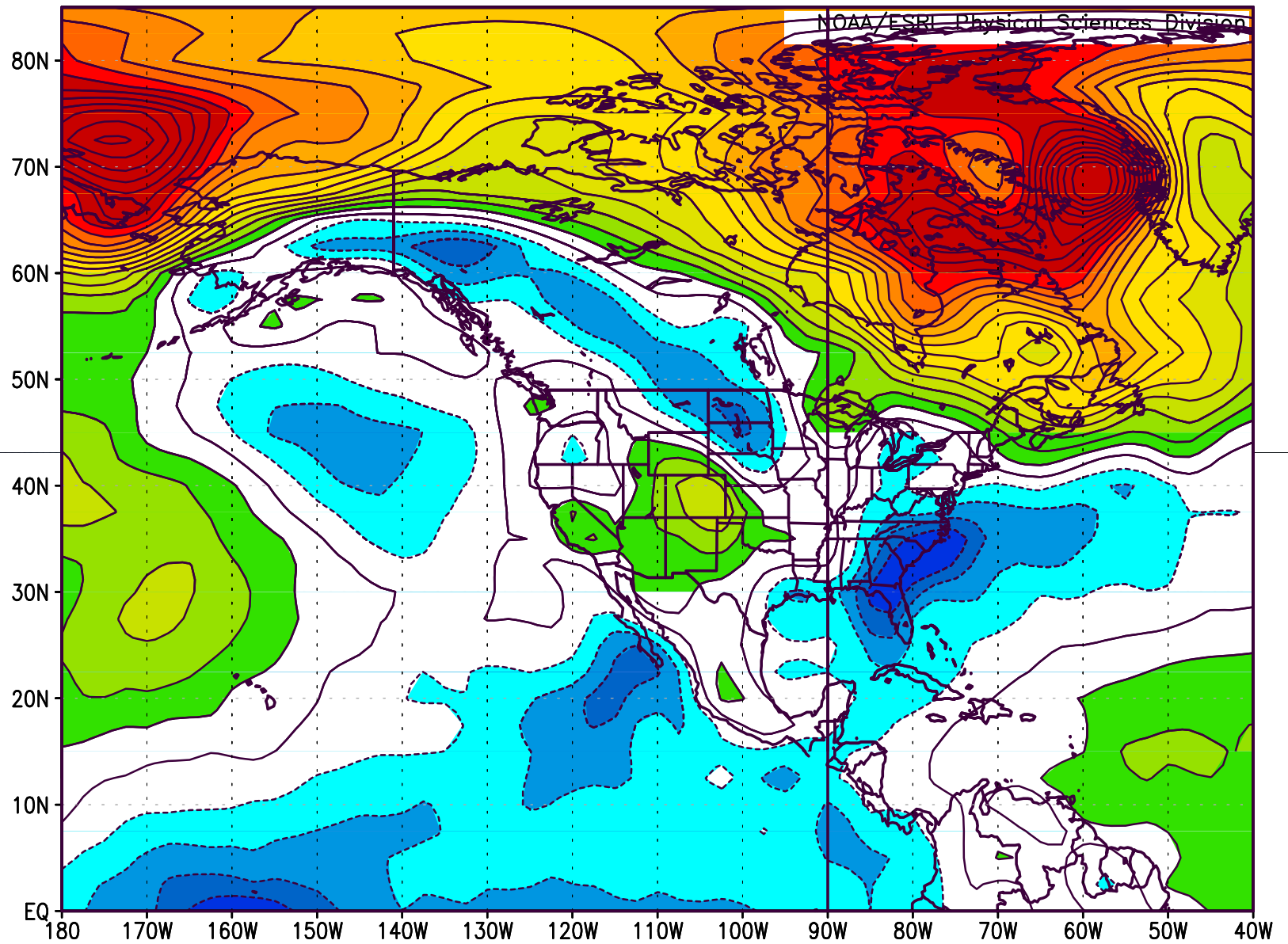
WINTER 2010: LONG-LEAD SYNOPTIC SIGNATURES FOR SEVERE COLD OUTBREAKS



TempRisk

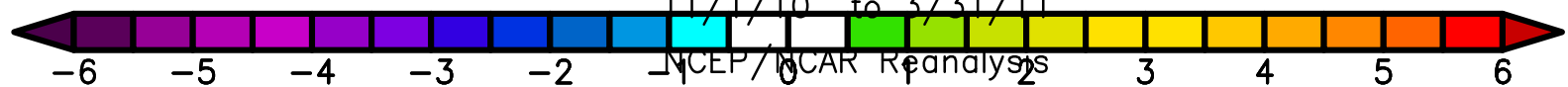


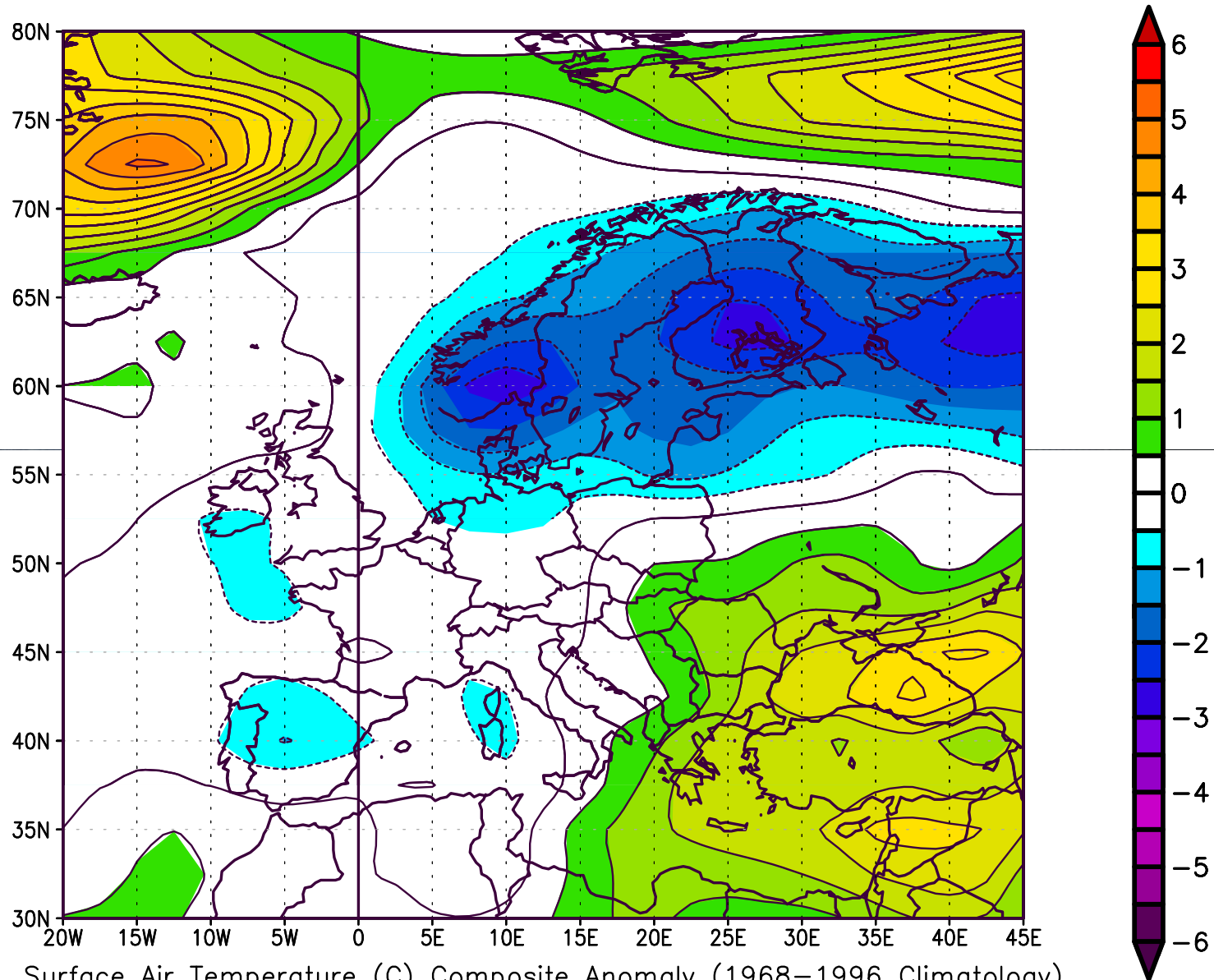
EarthRisk Technologies

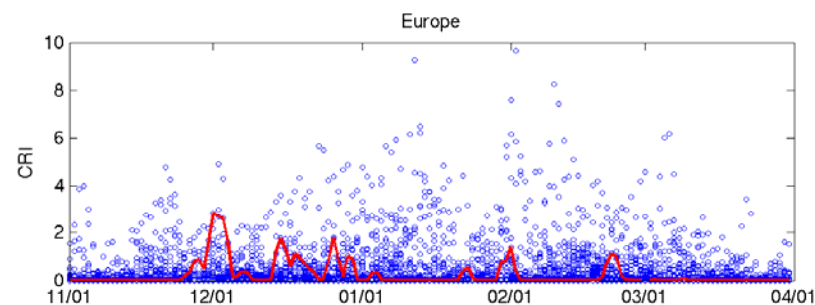
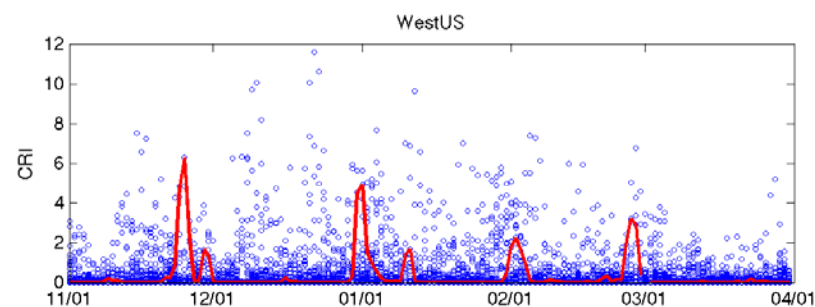
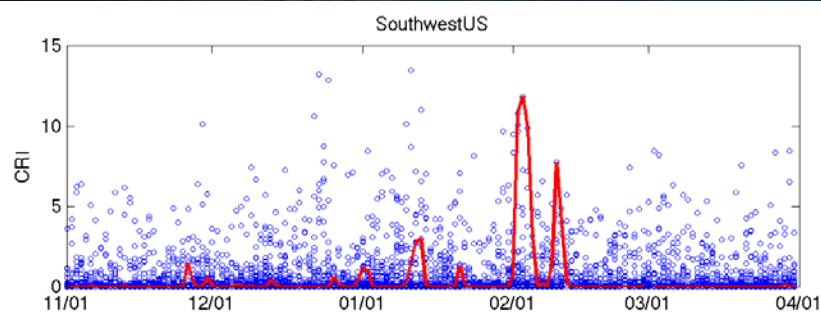
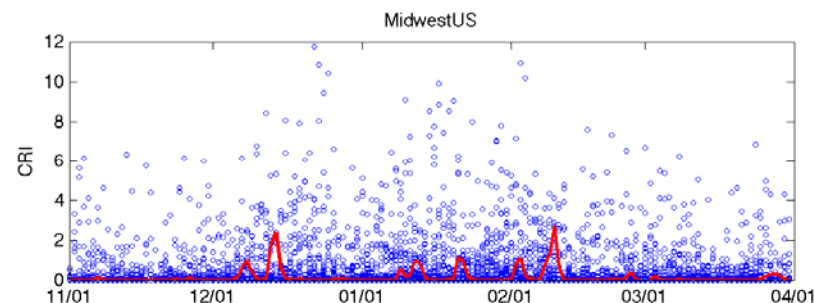
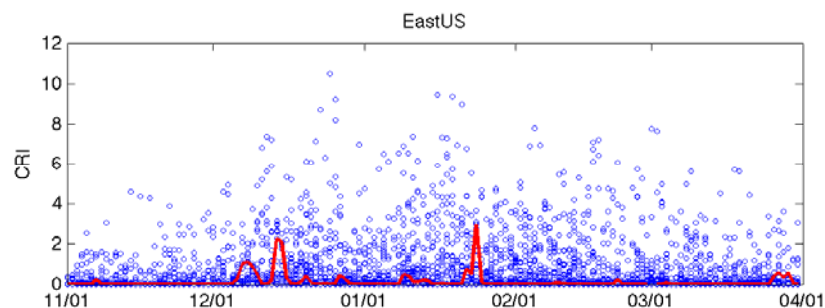


Surface Air Temperature (C) Composite Anomaly (1968–1996 Climatology)

11/1/10 to 3/31/11







Cumulative ColdRisk Index

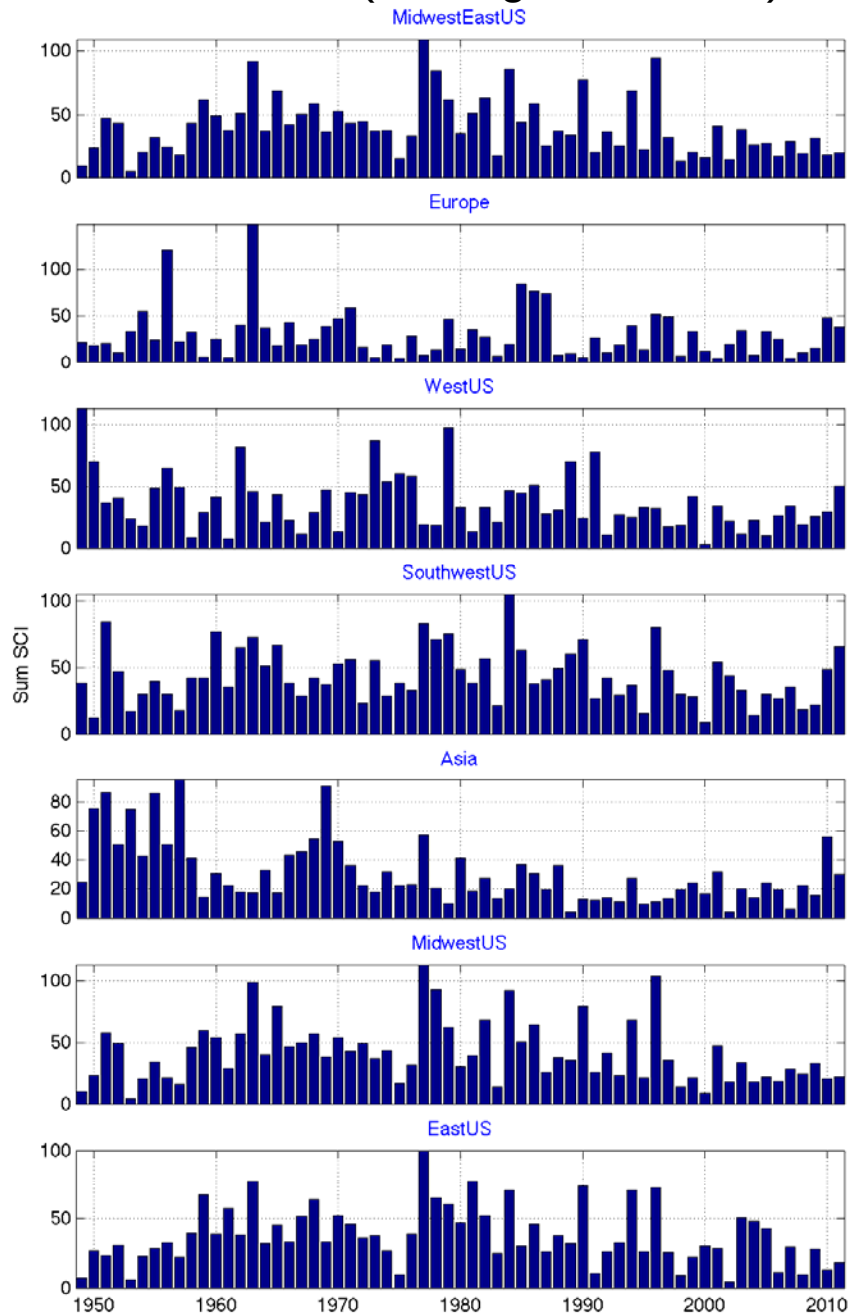
Nov 1 – Mar 30

East U.S.	54
Midwest U.S.	47
Southwest U.S.	11
West U.S.	13
Europe	17

1 = Most Severe 63 = Least Severe

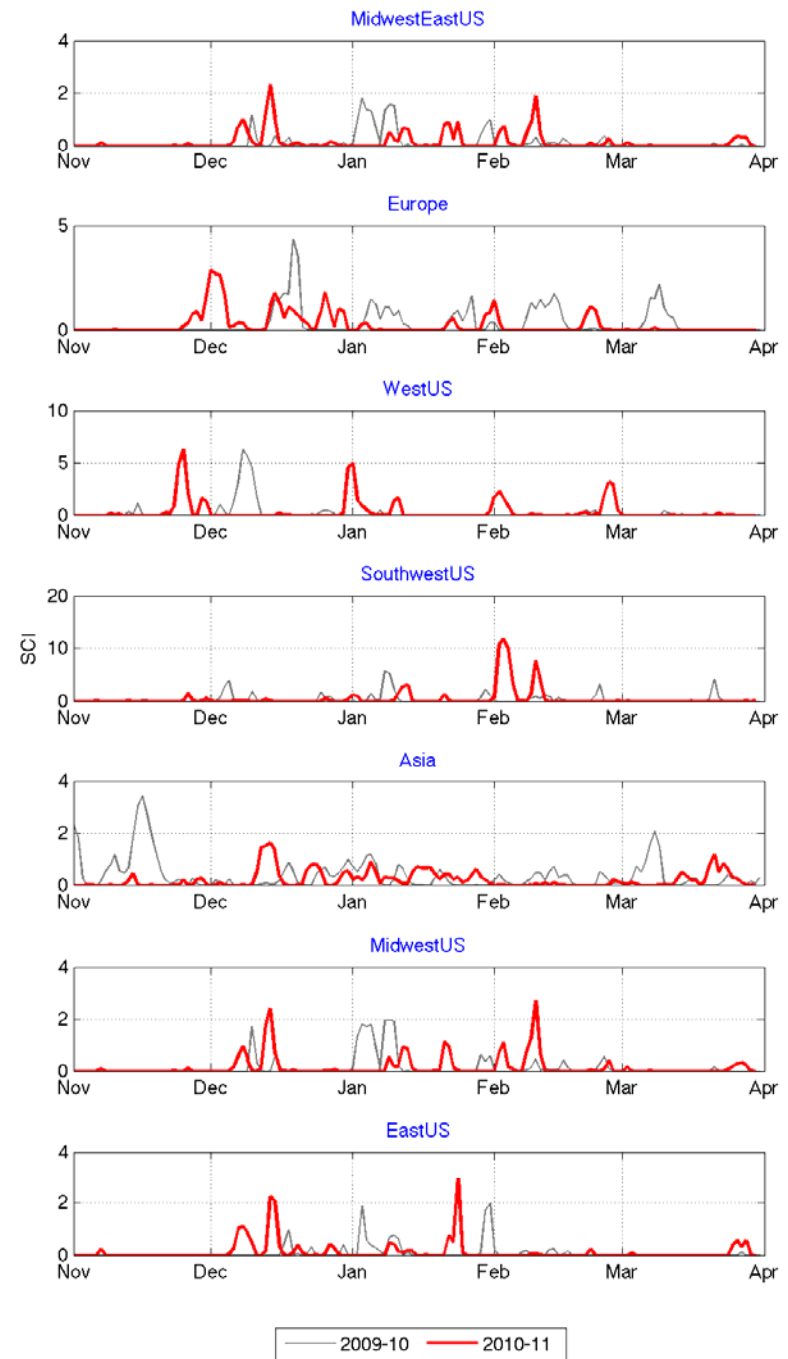


Seasonal Sum (Through March 30)



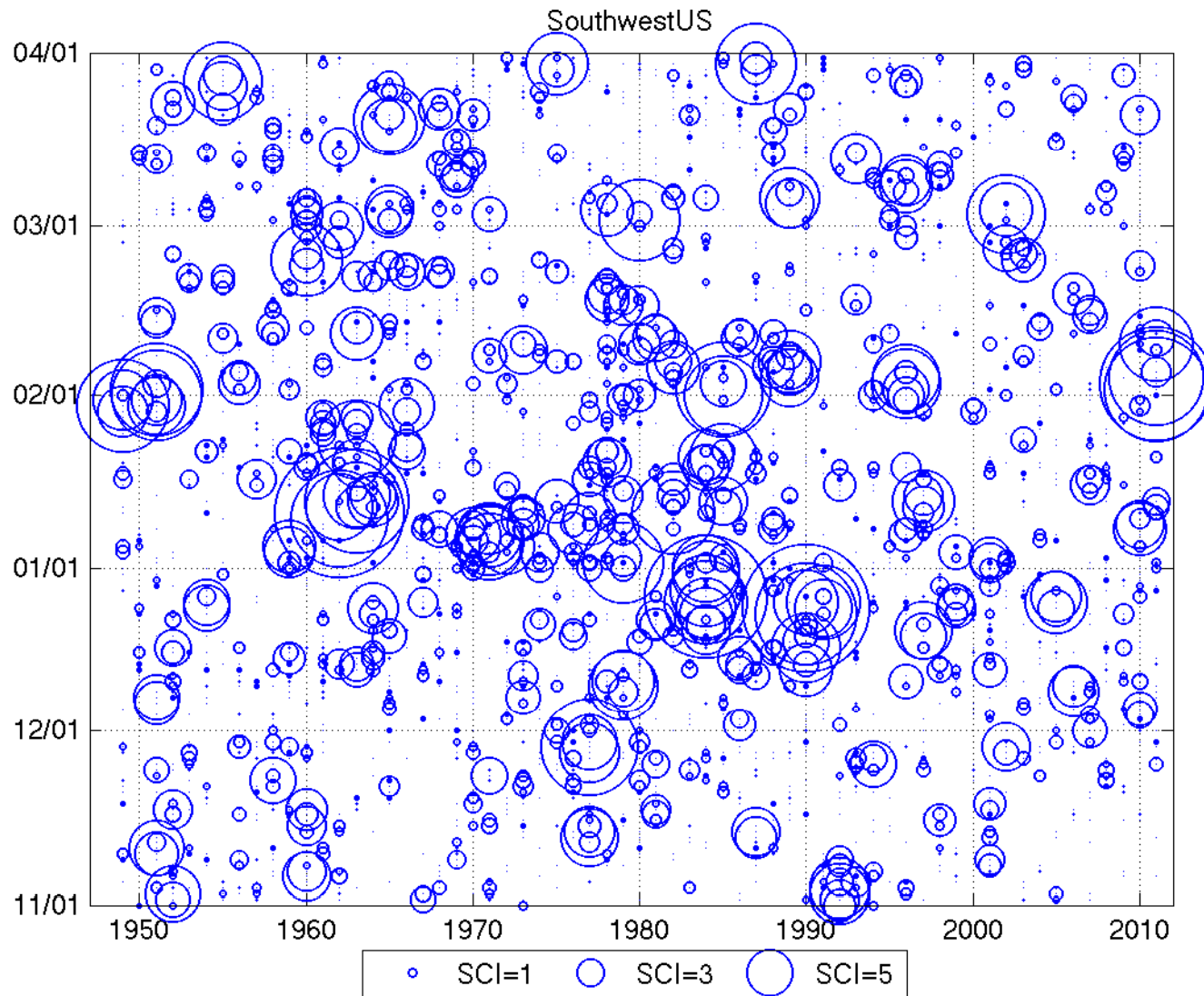
 **ColdRisk**

Daily Values (Through March 30)





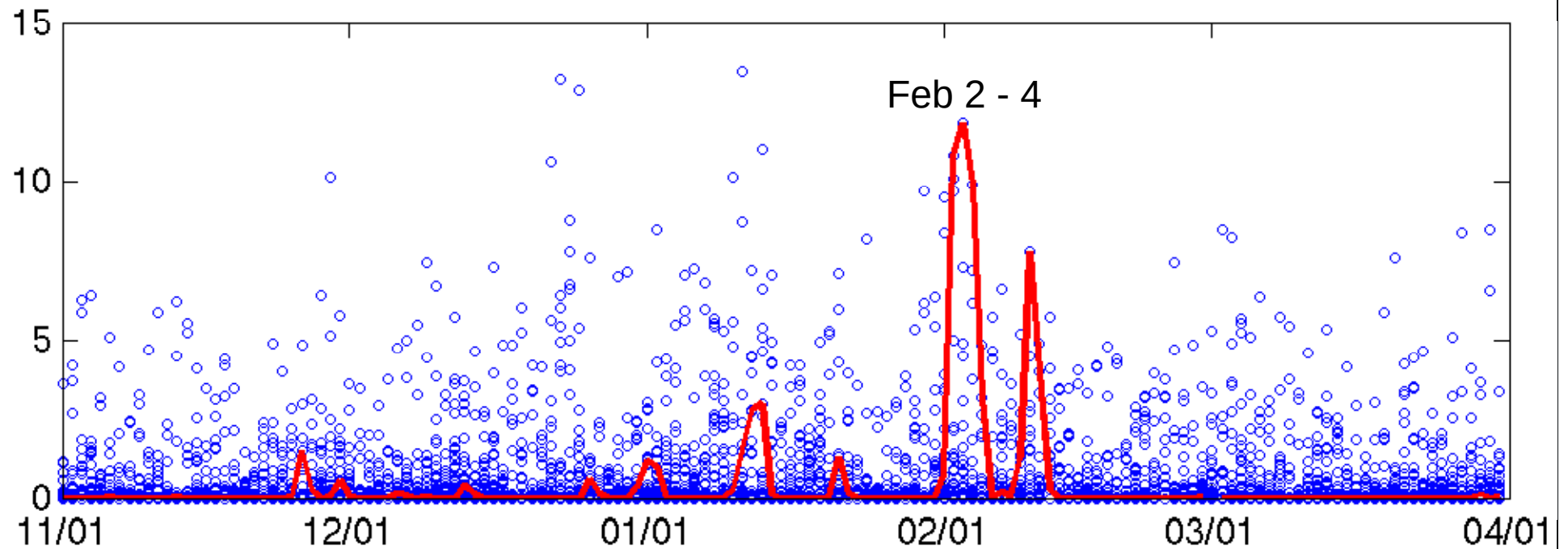
ColdRisk Index Daily Values





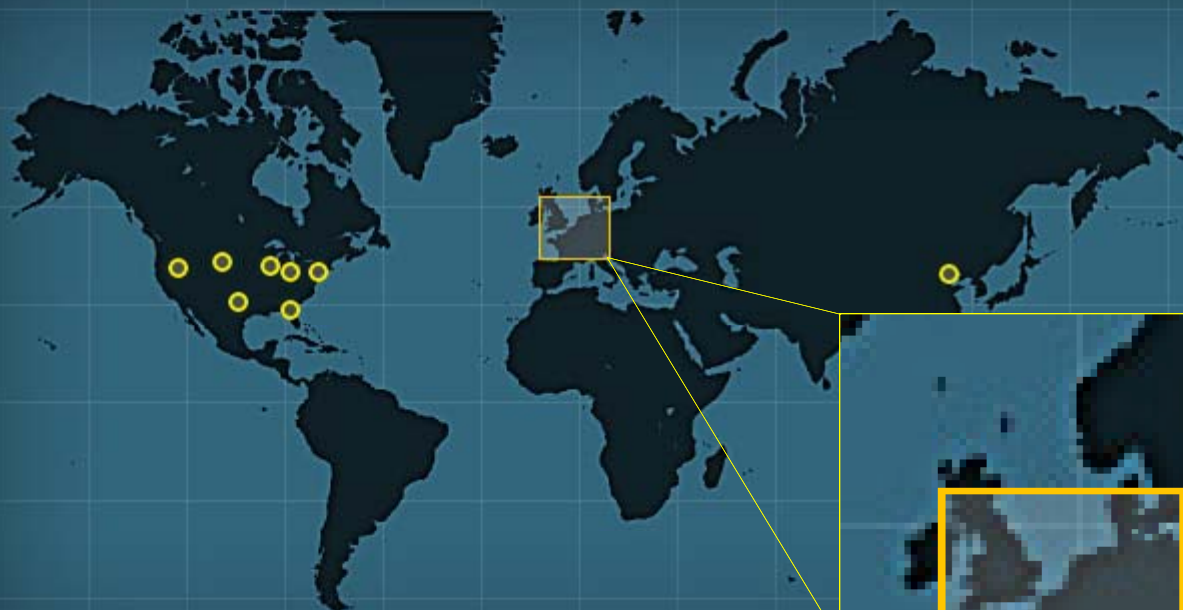
ColdRisk Index Daily Values

SouthwestUS





Europe



Asian Pacific

Central US

East US

Europe

Midwest East US

Midwest US

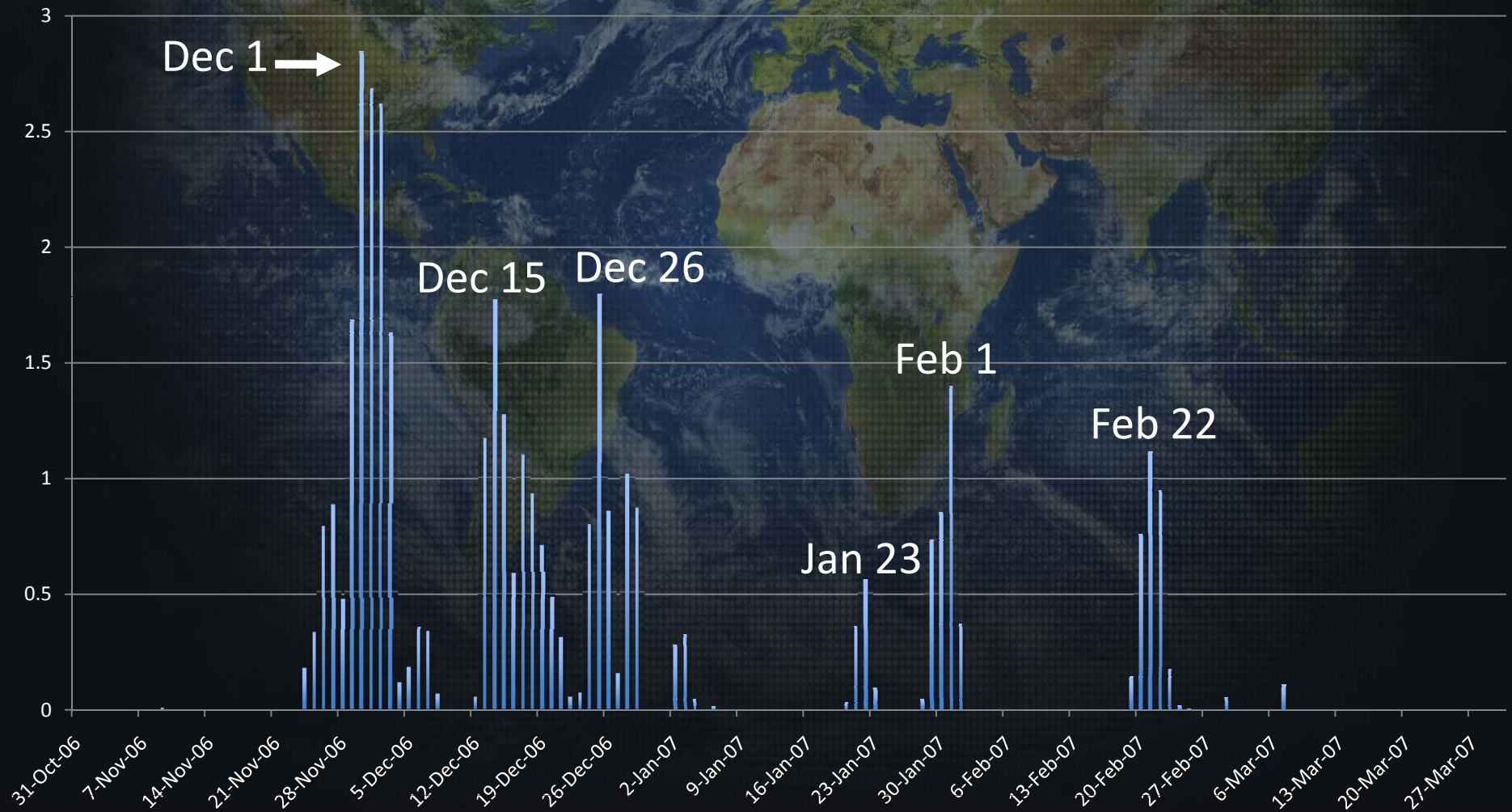
Southeast US

Southwest US

West US



Daily Index Value



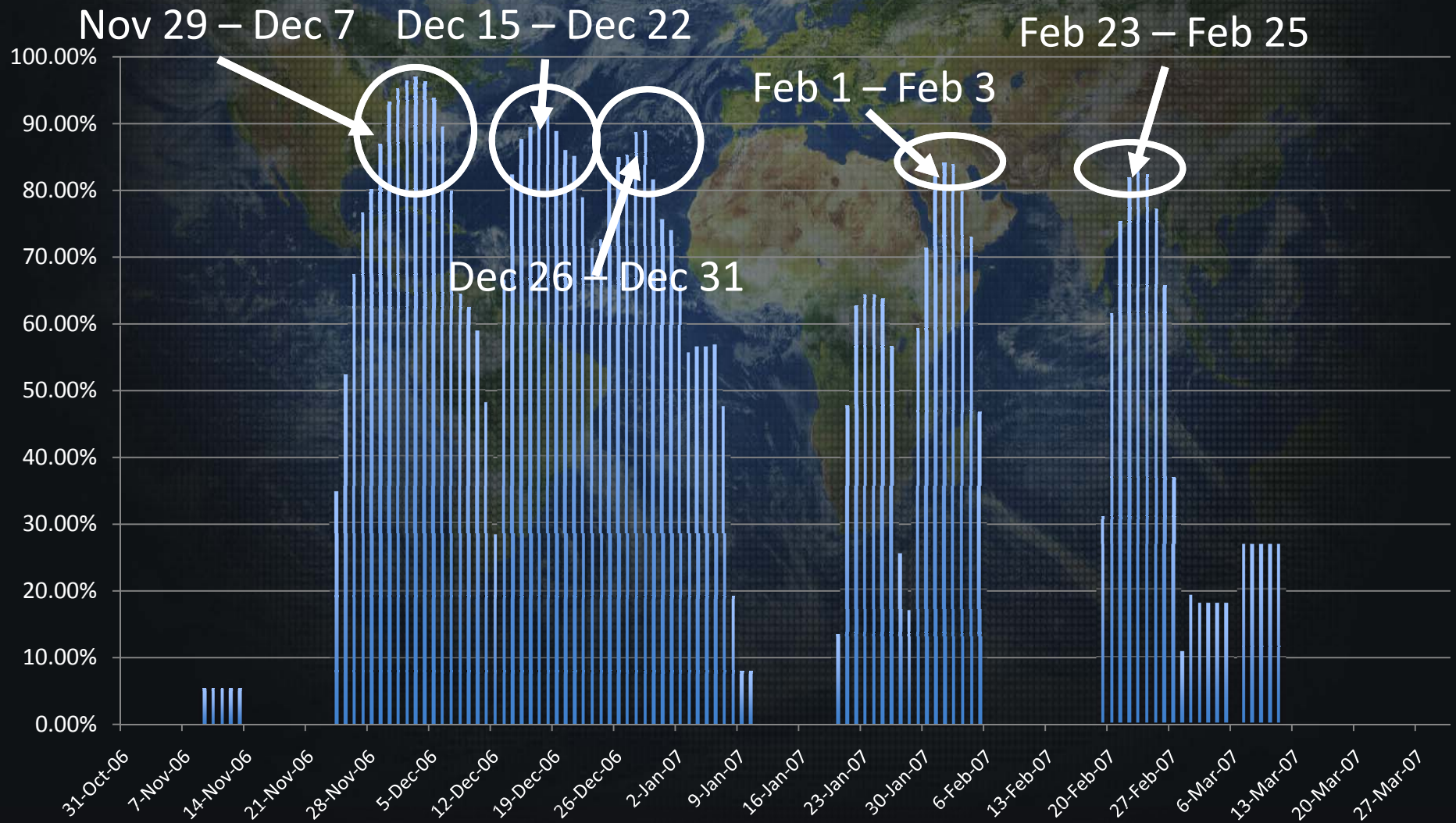
Europe Data Through 3/18



ColdRisk



5-Day Cumulative CRI (Percentile)



Europe Data Through 3/18



ColdRisk



Midwest/East U.S.



Asian Pacific

Central US

East US

Europe

Midwest East US

Midwest US

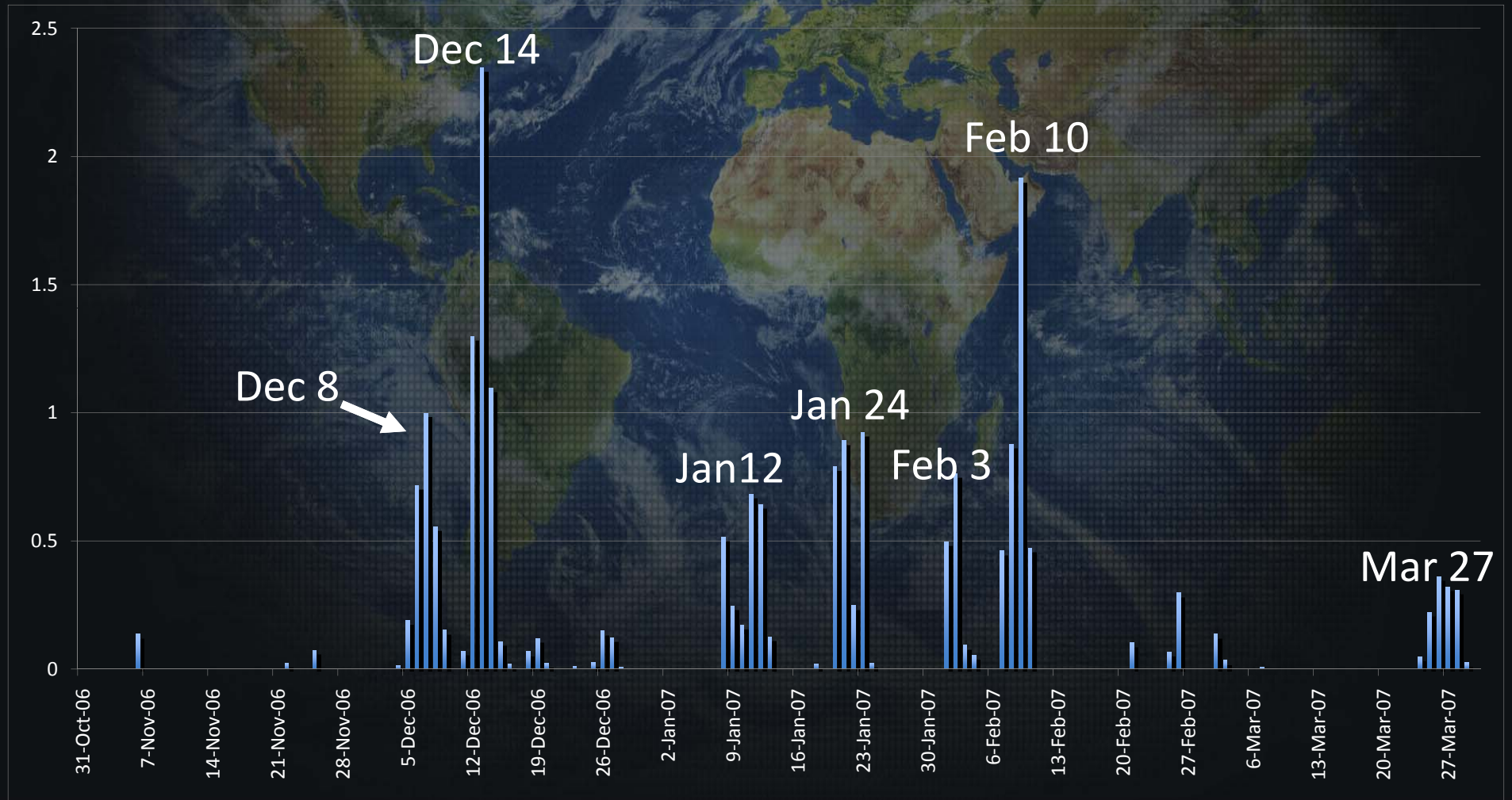
Southeast US

Southwest US

West US



Daily Index Value



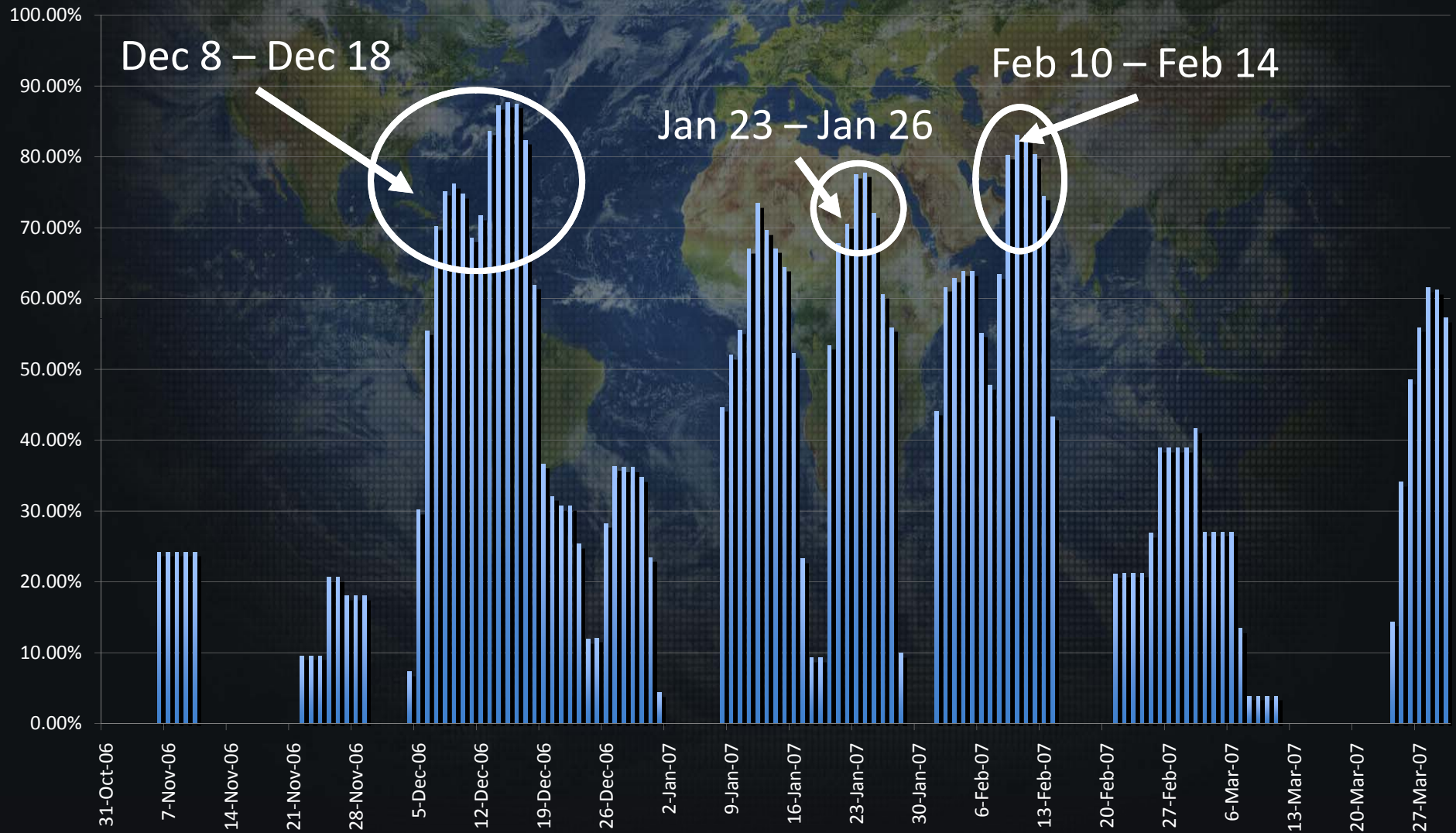
U.S. Data Through 3/30



ColdRisk



5-Day Cumulative CRI (Percentile)



U.S. Data Through 3/30



ColdRisk