

# **Sudden Stratospheric Warming Monitoring at NOAA/Climate Prediction Center**

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The NOAA/Climate Prediction Center has for many years presented information via its stratospheric web pages about the state of the stratosphere and upper troposphere, for monitoring events such as sudden stratospheric warmings (SSW) and conditions for the Antarctic ozone hole. Through involvement with the SPARC Stratospheric Network for the Assessment of Predictability (SNAP), additional monitoring tools have been generated to monitor and assess the predictability of SSW events using the NOAA/NCEP GFS, GEFS, and CFS models. A dedicated web page has been generated to display these monitoring tools along with descriptive text for educators and students to understand what the graphics present and what to look for in the event of a SSW. Running statistics are generated for end-of-season evaluation of model performance. Feedback is then provide to the NCEP modelers for future development and potential improvement of extended weather and sub-seasonal forecasts

Key words, sudden stratospheric warming, sub-seasonal forecast

See also: NOAA/Climate Prediction Center Sudden Stratospheric Warming Monitoring Web Page:  
<http://www.cpc.ncep.noaa.gov/products/stratosphere/SSW/>