

**SLD Potential:** This quantity is similar in most respects to the icing potential, but applies strictly to diagnosing the potential for particularly hazardous in-flight icing conditions related to large supercooled water droplets (diameter 50-500 microns). It represents the likelihood that SLD icing conditions will be encountered within a given model grid column (45km or 15 km, depending on which domain (1 or 2) that the quantity is represented on). A fuller description can be found at the web address <http://www.rap.ucar.edu/iida/demo.html>.

As with the icing potential field, our depiction of SLD shows the grid column sum of SLD potential in the troposphere. Higher numeric values, indicated by the warmest colors, indicate overall higher SLD potential within the troposphere. Lower SLD potentials overall are indicated by the cooler colors. *However, this does not necessarily rule out high icing potentials within individual layers of the atmosphere*, so some caution is advised in making interpretations at this time. In the future we will make the full three dimensional SLD potential information available.