

Sea Level Pressure(SLP)/Storm Track: As discussed in the Surface Temperature/Sea Level Pressure field description, Sea Level Pressure (in mb or hPa) is a derived field showing the approximate surface pressure reduced to sea level for each MM5 grid cell. Storm tracks (or more precisely, predicted low pressure center trajectories) are displayed as blue segmented lines extending outward from centers of low SLP. For a given time, the forecasted paths of all low pressure centers (of sufficient strength and lifetime) which exist at that time are shown, with dots marking the predicted locations of the centers at three-hourly intervals.

For a detailed description of the storm track algorithm used in these calculations, see

Zhang, X., J. E. Walsh, J. Zhang, U. S. Bhatt, and M. Ikeda, 2004: Climatology and interannual variability of Arctic cyclone activity: 1948-2002. *J. Climate*, **17**, 2300-2317.