

3-4 January 2018 North American Winter Storm



Notable Characteristics

- Developed from a pronounced negatively tilted trough
- Minimum pressure of 949 hPa 0300 UTC 5 January 2018
- Rapid deepening: 53 millibars in 24 hours
- Considerable, lasting warm air advection at 500mb around peak intensity NE of the system
- (Near) saturation from 1000mb – 250 mb (80-100% RH)
- Strong, 30 kt- 50 kt southeast winds at 700mb-1000mb levels from transporting moisture from the gulf stream to the system

