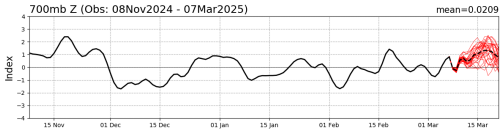
Antarctic Oscillation (AAO)

AAO Index: Observed & GEFS Forecasts



Current Conditions

The daily AAO index is constructed by projecting the daily (00Z) 700mb height anomalies poleward of 20°S onto **the loading pattern of the AAO**. Please note that year-round monthly mean anomaly data have been used to obtain the loading pattern of the AAO (Methodology). Since the AAO has the largest variability during the cold season, the loading pattern primarily captures characteristics of the cold season AAO pattern.

The daily AAO index is shown for the past 120 days. Each daily value has been standardized by the standard deviation of the monthly AAO index from 1979-2000.

- **Vertical cross section of SH polar vortex**
- **Daily AAO index since January 1979**
- **Monthly mean AAO index since January 1979**
  - Graphical format (All calendar months)
  - **Tabular format**
  - **Ascii format for downloading**
- **Animations (circulations)**
  - 30-day 200-hPa Heights
  - 30-day SH 500-hPa Heights
- **Time-Longitude Sections (circulations)**
  - 500-hPa Height Anomalies (45°S-60°S)
  - 500-hPa Height Anomalies (60°S-90°S)

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Outlooks

- **GFS AAO outlooks**
- **Ensemble mean AAO outlooks**

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Publications

Mo, K. C., 2000: Relationships between Low-Frequency Variability in the Southern Hemisphere and Sea Surface Temperature Anomalies. *J. Climate*, **13**, 3599-3610.

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Page last modified: December 12, 2005