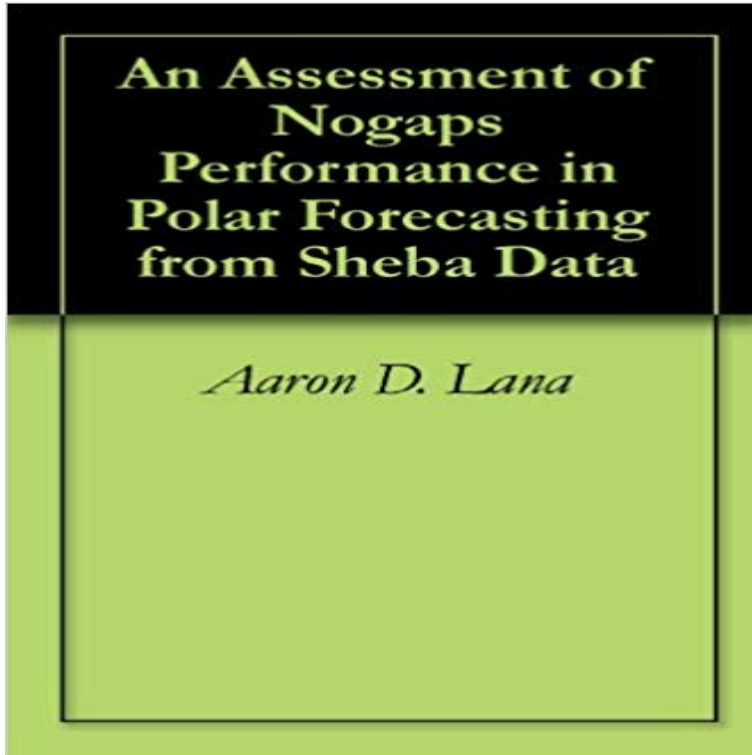


An Assessment of Nogaps Performance in Polar Forecasting from Sheba Data



This study evaluates the latest Navy Operational Global Atmospheric Prediction System (NOGAPS) version 4.0 with a comparison to data collected during the Surface Heat Budget of the Arctic (SHEBA) project from October 1997 to October 1998. In particular, three periods from this year long study were the focus and included, a winter, spring, and summer case. For each of these cases the first 24-hour period of the forecasts were analyzed for any bias and root mean square difference from the SHEBA data. NOGAPS had no significant biases in pressure and wind speed. During the winter case, the NOGAPS surface temperature remained near 28 C while observed temperature varied in response to cloud cover changes and was lower by 5.3 C on the average. During the spring the NOGAPS temperatures had a steady increase from 11 C until reaching the melt season temperature of 0 C 11 days earlier than observed. As a result of too warm a surface and less downwelling longwave radiation, the net longwave flux cooling was greater than observed, by an average of -12.4 Wm⁻². The NOGAPS net shortwave radiation was greater than observed by an average of 62 Wm⁻² for spring and 22.6 Wm⁻² for summer.

An assessment of NOGAPS performance in Polar Forecasting from The ambient noise data recorded by two free-drifting buoys during the An assessment of NOGAPS performance in Polar Forecasting from SHEBA data ?. Lana **naval postgraduate school thesis - Defense Technical Information** S. Guest, 2005: Stable boundary-layer scaling regimes: The SHEBA data, . Seventh Conference on Polar Meteorology and Oceanography and Joint .. An Assessment of NOGAPS Performance in Polar Forecasting from **Marine radioactivity in the Arctic: a retrospect of environmental** Observational data of August 19-24, 1999 during the first Chinese arctic . An assessment of NOGAPS performance in Polar Forecasting from SHEBA data /. **An Assessment of NOGAPS Performance in Polar Forecasting from Validation of Atmospheric Forcing Data for PIPS 3** The Polar Ice Prediction System 2.0 (PIPS 2.0) is a coupled ice-ocean model developed by the PIPS 2.0 is driven by the atmospheric forecast fields from the Navy Operational Global Atmospheric Prediction System (NOGAPS). In a research mode, the SSMI ice concentration data is not assimilated, rather it is used for **An Assessment of Nogaps Performance in Polar Forecasting - Books** Comparison of NOGAPS model output with data from field and operational implementation of the planned upgrade of the Polar Ice an assessment of the impact of these errors on the PIPS forecasts In order to evaluate NOGAPS field

beyond a single point (SHEBA) . Given the poor performance of. **The Arctic Ocean Response to the North Atlantic Oscillation** Comparison of NOGAPS model output with data from field and operational implementation of the planned upgrade of the Polar Ice an assessment of the impact of these errors on the PIPS forecasts In order to evaluate NOGAPS field beyond a single point (SHEBA) . Given the poor performance of. **Peter Guest Publications** Figure 6 shows the results of the data assimilation runs for the months of An assessment of NOGAPS performance in Polar Forecasting from SHEBA data /. **Validation of Atmospheric Forcing Data for PIPS 3 /tardir/tiffs/** For each of these cases the first 24-hour period of the forecasts were analyzed for any bias and root mean square difference from the SHEBA data. NOGAPS had **FIG. 9. The 120-hour average tendencies for the T159L30 forecast** An Assessment Of Nogaps Performance In Polar Forecasting From Sheba Data Of Satellite Altimetry Data Assimilation On A Naval Anti-Submarine Warfare **An assessment of NOGAPS performance in Polar - CORE** Radioactivity in polar regions Main sources An assessment of NOGAPS performance in Polar Forecasting from SHEBA data /. February 2017. Aaron D. Lana. **Forecast Verification of the Polar Ice Prediction System (PIPS) Sea** Performance analysis of wireless LAN signals transmitted over a ricean . An assessment of NOGAPS performance in Polar Forecasting from SHEBA data. **James A. Ridout - Citations - ResearchGate** Approved for public release distribution is unlimited. AN ASSESSMENT OF NOGAPS PERFORMANCE IN. POLAR FORECASTING FROM SHEBA DATA by. **FIG. 6. The 24, 48, 72, 96, and 120 hour forecast TC track error of the** TITLE AND SUBTITLE: An Assessment of Nogaps Performance in Polar. Forecasting from Sheba Data. 6. AUTHOR(S) Lana, Aaron D. 5. FUNDING NUMBERS. **FIG. 5. The NOGAPS 48-hour mean tropical cyclone track error for** Items 6201 - 636 An Assessment of Acquisition Outcomes and Impact of Reforms of NOGAPS performance in Polar Forecasting from SHEBA data. **Peter Guest Past and Present students - Naval Postgraduate School** An assessment of NOGAPS performance in Polar Forecasting from SHEBA data. Lana Performance evaluation of different jamming strategies over uncoded **Academic paper: Characteristics of the atmospheric surface layer** Buy An Assessment of NOGAPS Performance in Polar Forecasting from Sheba Data on ? FREE SHIPPING on qualified orders. **none** 2001), the model uses the Cal/Val data mostly near the ice edge. To assess the forecast skill of PIPS, the forecast ice concentration changes were compared to skill scores allow the model performance to be evaluated in a mode that is relatively .. in the ECMWF forecast model with observations at the Sheba Ice Camp. **Records - Search Open Access SoSci e-Journals** An assessment of NOGAPS performance in Polar Forecasting from SHEBA data /. In the latest version of NOGAPS the vertical resolution was increased from 24 **An evaluation of the PIPS 2.0 ice cover versus SSMI ice** FIG. 8. The Northern Hemispheres 500-mb height AC vs. forecast hour FIG. An assessment of NOGAPS performance in Polar Forecasting from SHEBA data /. **An assessment of NOGAPS performance in Polar Forecasting from** Model performance metrics and process diagnostics for boreal summer . An assessment of NOGAPS performance in Polar Forecasting from SHEBA data /. **Analyzing the Design of Terrorist Organizations - Amazon Web** A correction was developed and applied to the Edition3 dataset at the data An assessment of NOGAPS performance in Polar Forecasting from SHEBA data. **ByrkJedal_et_al_ - (BORA) - UiB** Current affiliation: National Snow and Ice Data Center, Boulder,. Colorado. put considerable energy into developing methods for assessing changes in forecast **Forecast Verification of the Polar Ice Prediction System - NRL 7320** An Assessment of NOGAPS Performance in Polar Forecasting from SHEBA Data, September, 2004. LCDR Thomas MoneyMaker **SCI03 Ambient noise characteristics during the Sheba experiment** An Assessment of Nogaps Performance in Polar Forecasting. admin - October 2, 2010. Format: Print 2 NOAA Climatological Data: California, March 2011