NWS-CR-TA-87-18

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CENTRAL REGION TECHNICAL ATTACHMENT 87-18

COMPARATIVE VERIFICATION OF MOS-NGM PERFECT PROG GUIDANCE

Excepts from a Memorandum written by Gary Carter
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Techniques Development Laboratory has provided us a comparative verification of their two guidance packages over the period May 4 through June 30. The attached figures are from that study. Fig. 1 shows that over the Central Region, the PoP's from the NGM were generally (except for the 24-hr projection at 00Z) slightly better than the MOS. However, the mean absolute errors in temperature forecasts (Fig. 2) show that MOS performed better. A large part of this is due to a cold bias (numbers in parentheses on figure) in the NGM-based guidance.

Clouds and wind verification was only performed on a nationwide basis. The performance of the two guidance packages were essentially equal for cloud forecasts (Fig. 3). The NGM-based wind forecasts (Figs. 4 and 5) are usually more skillful than MOS for both direction and speed.



















