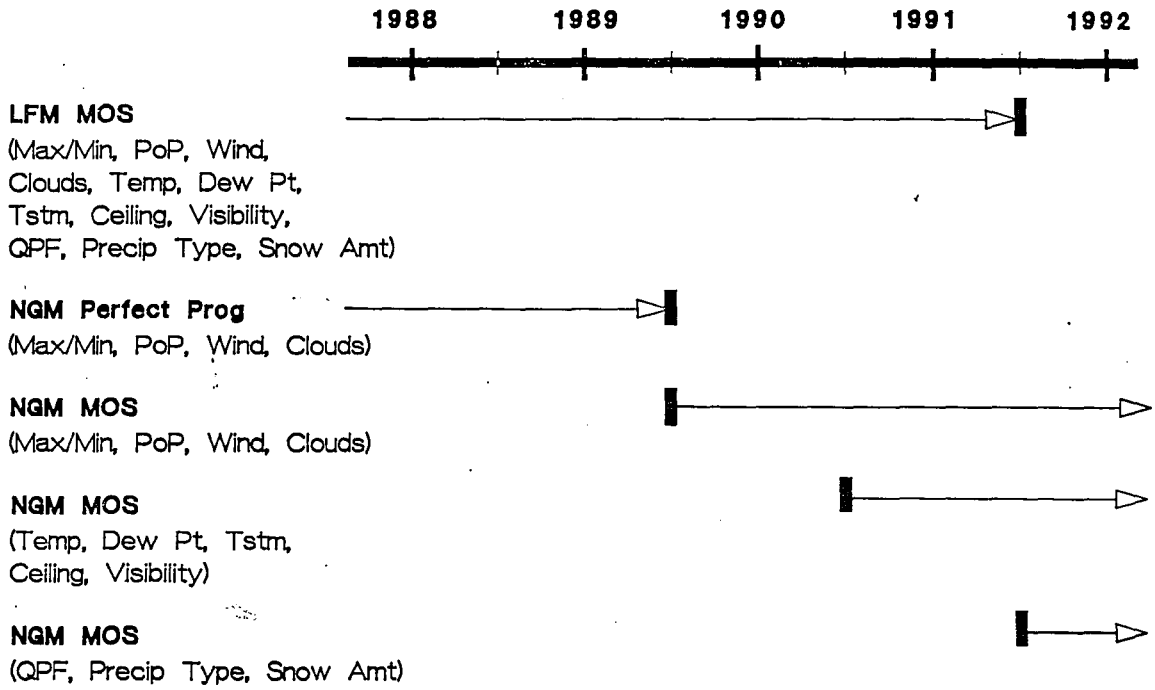
Western Region Technical Attachment
No. 89-17
July 5, 1989

NGM MOS GUIDANCE UPDATE II

[Editor's Note: WRTA No. 89-15 discussed the history and methodology of NGM-based MOS development. Early performance results, comparing NGM MOS with LFM MOS, were also shown for cloud and temperature verification.

The full suite of NGM MOS products will be phased in over the next three years, as shown in this TA. On July 26, 1989, NGM MOS guidance for max/min temperatures, PoPs, winds, and cloud amounts is scheduled to begin. Also included in this TA are the early results of the NGM MOS PoP verification and a comparison with LFM MOS, using a limited sample.]

STATISTICAL GUIDANCE
TRANSITION TO THE RAFS
(6-60 Hour Projections)



IMPORTANT DATES IN NGM HISTORY

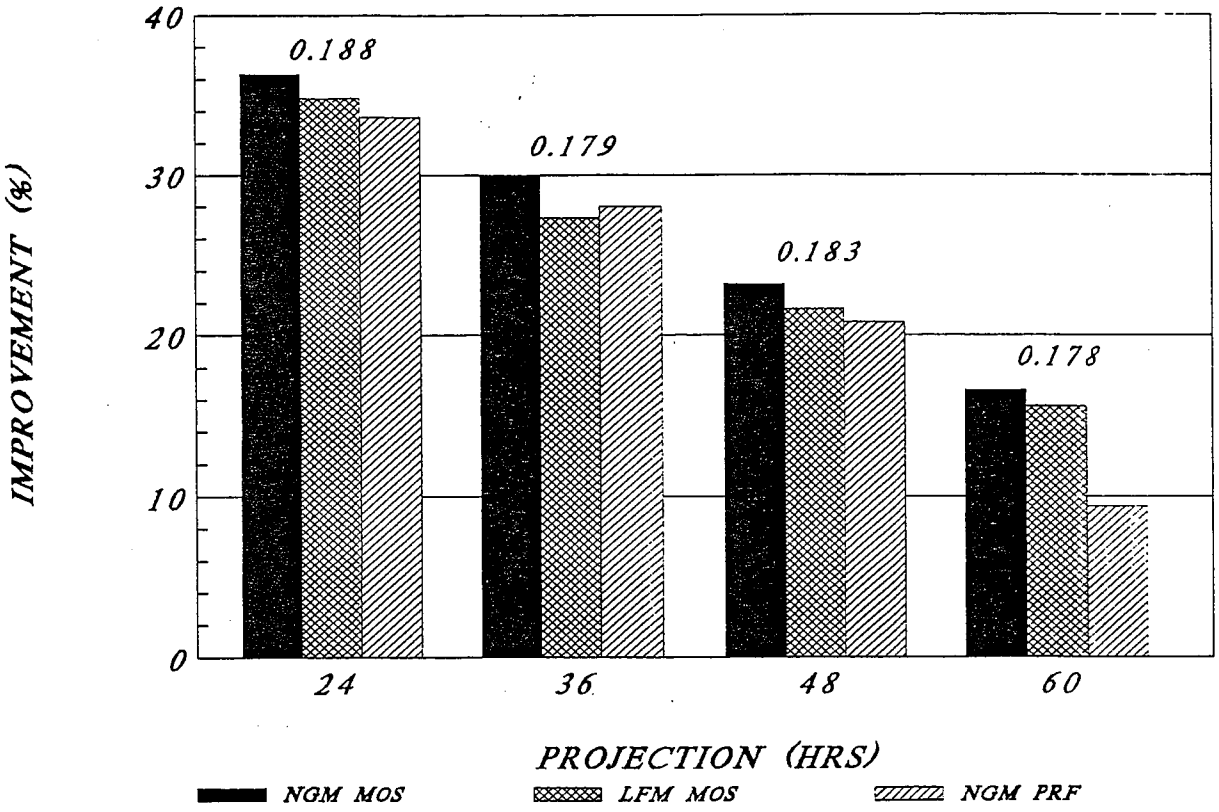
August 12, 1987 (1200 UTC): Normal mode initialization changed from 8 to 2 vertical modes

October 21, 1987 (1200 UTC): Procedure implemented to remove the mean hemispheric temperature drift from the NGM during the model integration

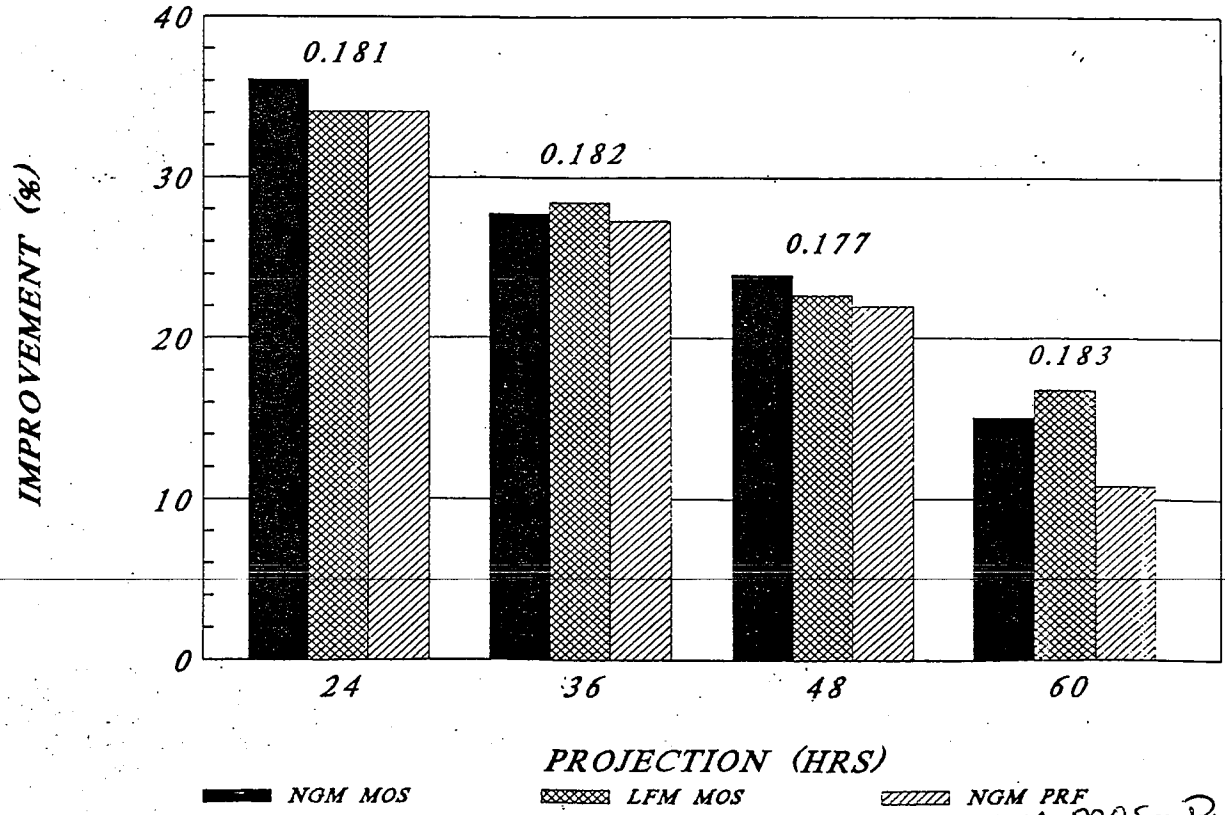
August 1988 - January 1989: NGM retrospective reruns made for the period of *October 2, 1986 - October 21, 1987*

CAFTI - NGM MOS - Intro 1

NGM MOS POP VERIFICATION (WARM,00Z)
IMPROVEMENT OVER CLIMATE OF BRIER SCORES



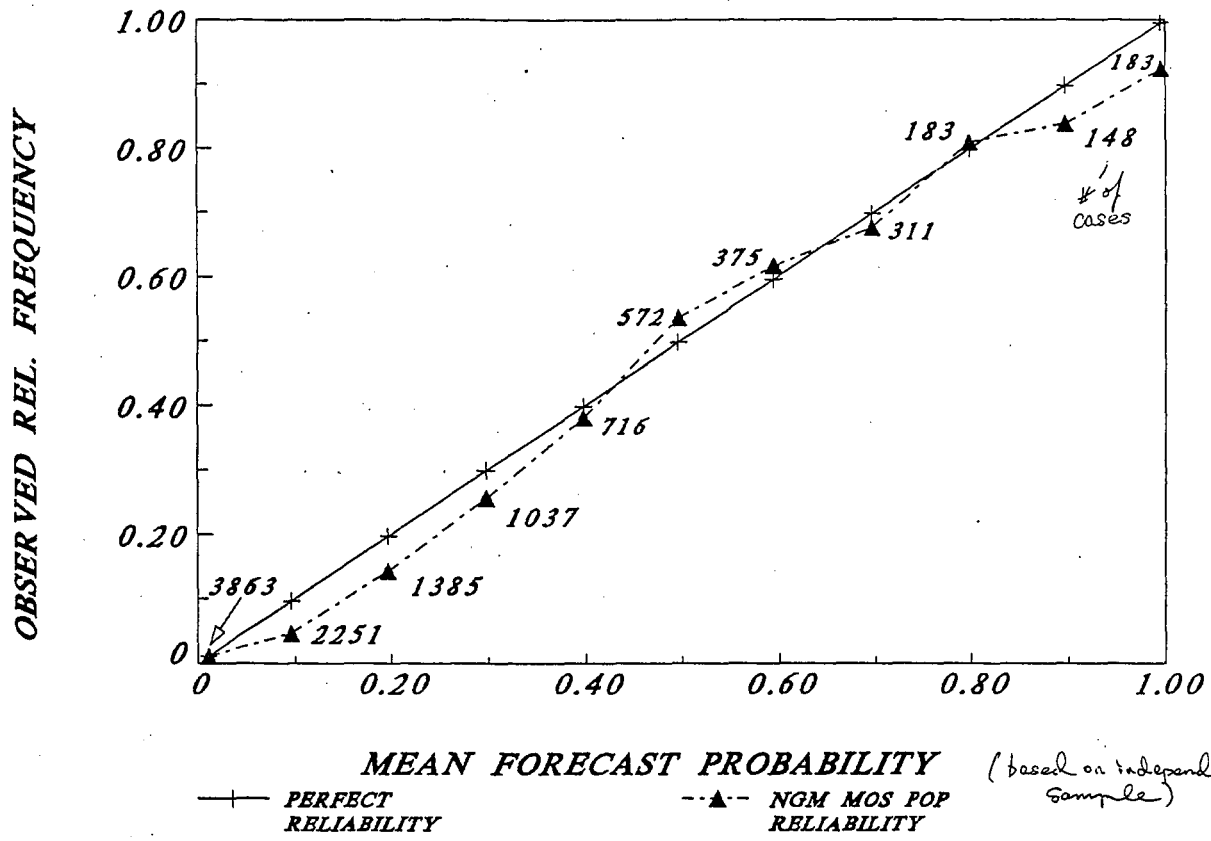
NGM MOS POP VERIFICATION (WARM,12Z)
IMPROVEMENT OVER CLIMATE OF BRIER SCORES



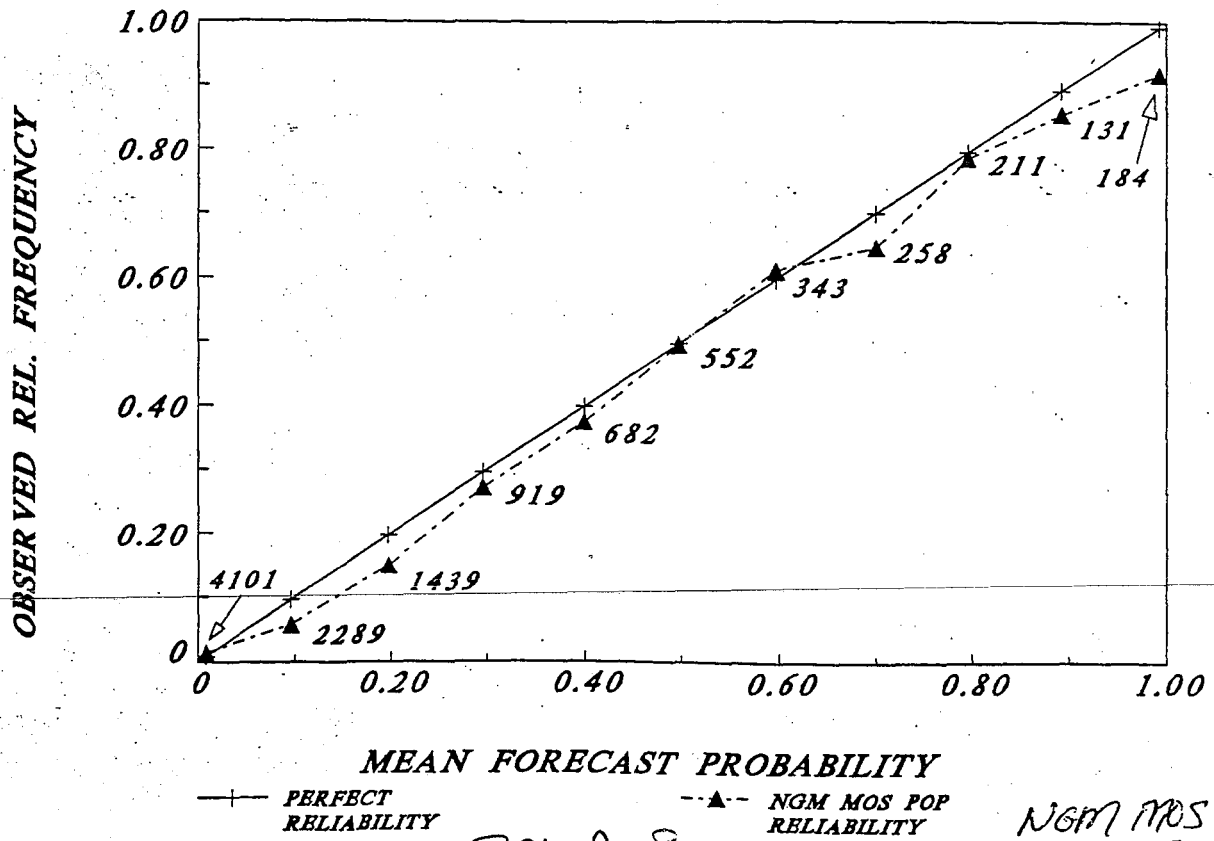
BM-A-7

NGM MOS-POP-2
CAFTI

RELIABILITY OF NGM MOS POP FORECASTS
WARM SEASON, 00Z, 24-HR PROJ. 12-HR POP



RELIABILITY OF NGM MOS POP FORECASTS
WARM SEASON, 12Z, 24-HR PROJ. 12-HR POP



BM-A-8

NGM MOS POP-3
CAFTI