U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE
OFFICE OF SYSTEMS DEVELOPMENT
TECHNIQUES DEVELOPMENT LABORATORY

TDL OFFICE NOTE 96-4

PUBLICATIONS OF MEMBERS OF THE TECHNIQUES DEVELOPMENT LABORATORY 1989-1997

Harry R. Glahn and J. Paul Dallavalle

December 1996

PUBLICATIONS BY MEMBERS OF THE TECHNIQUES DEVELOPMENT LABORATORY 1989-1997

Harry R. Glahn and J. Paul Dallavalle

INTRODUCTION

This office note updates TDL Office Note 89-5 (Glahn 1989) which lists publications by Techniques Development Laboratory (TDL) employees. The initial office note listed documents from 1964 to 1989. The current office note contains a complete list for 1989 and continues by year until 1997. Obviously, the listing for 1997 is premature at this time, but encompasses articles that are in the process of being published. As was stated in Glahn (op. cit.), "publication dates do not necessarily coincide with when the work was done or the paper written. To be included in this list, some involvement of the author with the paper while at TDL was necessary, or affiliation with TDL was mentioned in the paper."

This office note includes contributions to books and journals, publications in the NOAA technical memorandum series, NOAA computer program series, TDL office notes, Technical Procedures Bulletins (TPB's) written by TDL authors, and extended abstracts published in conference or symposium programs. Note that the latter two types of documentation were not listed in the first office note. Since the National Weather Service's Office of Meteorology now attributes the TPB's to specific authors and the TPB's are subjected to a rigorous review process, we have included them in the publication list. Theses and dissertations are not included in this office note, nor are TDL contributions to various progress reports (for example, the World Meteorological Organization reports on numerical weather prediction).

ACKNOWLEDGMENTS

We wish to thank all the TDL employees who wrote or contributed in some manner to the publications listed in this office note. The second author maintained an informal list of publications over the last several years which led to this update. Jennifer Offutt did a thorough review of the original manuscript, and we are very grateful for her help. The authors wish particularly to acknowledge Gladys Hodge who passed away in 1995 after 15 years of dedicated service to TDL as the second author's secretary. Gladys began putting the publication list into this format during her illness. Without her conscientious efforts, this office note would not yet be completed.

1989

Adams, S. A., 1989: Structure flow diagram generator. NOAA Techniques Development Laboratory Computer Program NWS TDL CP 89-1, National Weather Service, NOAA, U.S. Department of Commerce, 12 pp.

_____, 1989: String search. NOAA Techniques Development Laboratory Computer Program NWS TDL CP 89-2, National Weather Service, NOAA, U.S. Department of Commerce, 12 pp.

Battel, G., 1989: Wind profiler applications software development plan. TDL Office Note 89-3, National Weather Service, NOAA, U.S. Department of Commerce, 16 pp.

Carter, G. M., J. P. Dallavalle, and H. R. Glahn, 1989: Statistical forecasts based on NMC's numerical weather prediction system. Wea. Forecasting, 4, 401-412.

Charba, J. P., and J. T. Moeller, 1989: Use of operational 0-6 and 3-9 h quantitative precipitation forecasts for predicting heavy rain events. NOAA Technical Memorandum NWS TDL-80, National Oceanic and Atmospheric Administration, U.S. Department of Commerce, 34 pp.

Dagostaro, V. J., C. L. Alex, G. M. Carter, J. P. Dallavalle, and P. D. Polger, 1989: Evolution of the NWS national verification system: Past, present, and future. Preprints 11th Conference on Probability and Statistics in Atmospheric Sciences, Monterey, Amer. Meteor. Soc., J41-J46.

_____, G. M. Carter, and J. P. Dallavalle, 1989: AFOS-era verification of guidance and local aviation/public weather forecasts--No. 10 (April 1988 - September 1988). TDL Office Note 89-6 , National Weather Service, NOAA, U.S. Department of Commerce, 56 pp.

Glahn, H. R., 1989: The Techniques Development Laboratory--The first 25 years. Preprints 11th Conference of Probability and Statistics in Atmospheric Sciences, Monterey, Amer. Meteor. Soc., J20-J27.

_____, 1989: Publications of members of the Techniques Development Laboratory, 1964-1989. TDL Office Note 89-5, National Weather Service, NOAA, U.S. Department of Commerce, 68 pp.

_____, and W. L. Wolf, 1989: Simulation of AWIPS-90 technique processing load for a WFO. TDL Office Note 89-7, National Weather Service, NOAA, U. S. Department of Commerce, 28 pp.

Jacks, E. J., G. M. Carter, J. P. Dallavalle, J. S. Jensenius, Jr., M. C. Erickson, and J. B. Bower, 1989: Enhancing interactions among the developers and users of statistical guidance products. Preprints 11th Conference on Probability and Statistics in Atmospheric Sciences, Monterey, Amer. Meteor. Soc., 120-125.

Jensenius, J. S., Jr., 1989: A statistical comparison of the forecasts produced by the NGM and LFM for the cool season of 1987-88. TDL Office

Note 89-4, National Weather Service, NOAA, U.S. Department of Commerce, 14 pp.

_____, 1989: Insolation Forecasting. Solar Heat Technologies: Fundamentals and Applications. MIT Press, Cambridge, Vol. II, 335-349.

Kitzmiller, D. H., and W. E. McGovern, 1989: VAS retrievals as a source of information for convective weather forecasts: An objective assessment and comparison with other sources of upper-air observations. Mon. Wea. Rev., 117, 2095-2109.

Klein, W. H., 1989: Objective guidance for weather forecasts. Preprints 11th Conference on Probability and Statistics in Atmospheric Sciences, Monterey, Amer. Meteor. Soc., J28-J32.

Leaphart, M. A., 1989: Extended memory library for AFOS applications. NOAA Techniques Development Laboratory Computer Program NWS TDL CP 89-3, National Weather Service, NOAA, U.S. Department of Commerce, 47 pp.

Lee, W. J., J. Y. Cho, and R. G. Miller, 1989: Local very short range weather forecasting in the Republic of Korea. J. Korean Meteor. Soc., (page numbers unknown).

McDonald, M., and R. E. Saffle, 1989: RADAP II archive data user's guide. TDL Office Note 89-2, National Weather Service, NOAA, U.S. Department of Commerce, 16 pp.

McGovern, W. E., 1989: High resolution ground based remote sensors: New local or mesoscale climatic data sources. Preprints Sixth Conference on Applied Climatology, Charleston, Amer. Meteor. Soc., 209-216.

_____, 1989: Subsynoptic guidance forecasts and mesoscale processes. Preprints 11th Conference on Probability and Statistics in Atmospheric Sciences, Monterey, Amer. Meteor. Soc., J33-J40.

Miller, R. G., 1989: Very short range weather forecasting using automated observations. Statistics: A Guide to the Unknown. Wadsworth & Brooks/Cole Advanced Books & Software, Pacific Grove, 261-267.

Reap, R. M., and D. R. MacGorman, 1989: Cloud to ground lightning: Climatological characteristics and relationships to model fields, radar observations, and severe local storms. Mon. Wea. Rev., 117, 518-535.

Ruth, D. P., and D. J. Vercelli, 1989: Interactive techniques for preparing domestic and international terminal forecast products. Preprints Fifth International Conference on Interactive Information and Processing Systems for Meteorology, Oceanography, and Hydrology, Anaheim, Amer. Meteor. Soc., 313-320.

Saffle, R. E., 1989: Plan for the development and implementation of severe weather probability relationships at NEXRAD sites. TDL Office Note 89-1, National Weather Service, NOAA, U.S. Department of Commerce, 12 pp.

Seguin, W. R., 1989: Impact of local computer applications programs on concurrent and future Weather Service operations. Preprints 11th Confer-

ence on Probability and Statistics in Atmospheric Sciences, Monterey, Amer. Meteor. Soc., J47-J52.

Shaffer, W. A., 1989: Hurricane storm surge forecasting. Preprints 11th Conference on Probability and Statistics in Atmospheric Sciences, Monterey, Amer. Meteor. Soc., J53-J58.

Unger, D. A., W. L. Wolf, T. L. Chambers, and M. W. Cammarata, 1989: The local AFOS MOS program: Current status and plans. Preprints 11th Conference on Probability and Statistics in Atmospheric Sciences, Monterey, Amer. Meteor. Soc., 114-119.

Vercelli, D. J., and D. P. Ruth, 1989: Formatting of domestic and international terminal forecasts from a digital data base. Preprints Fifth International Conference on Interactive Information and Processing Systems for Meteorology, Oceanography, and Hydrology, Anaheim, Amer. Meteor. Soc., 213-219.

1990

Bower J. B., 1990: An evaluation of surface wind forecast equations based on a new wind speed predictand. TDL Office Note 90-3, National Weather Service, NOAA, U.S. Department of Commerce, 26 pp.

_____, 1990: Development of NGM MOS guidance for the prediction of thunderstorms and severe weather. Abstracts Fourteenth Annual Meeting of the National Weather Association, New Carrollton, Nat. Wea. Assoc., p. 31.

Cammarata, M. W., 1990: The automated specification of explicit weather type and intensity from MOS. Abstracts Fourteenth Annual Meeting of the National Weather Association, New Carrollton, Nat. Wea. Assoc., p. 27.

Carroll, L. A., III, 1990: An estimation of the relative importance of the obser-vations, simple advection models, and MOS to short range forecasting. Abstracts Fourteenth Annual Meeting of the National Weather Association, New Carrollton, Nat. Wea. Assoc., p. 27.

Charba, J. P., 1990: Geographical and seasonal variability in predictability and predictor variables for operational 0-6 and 3-9 h heavy precipitation forecasts. Preprints Eighth Conference on Hydrometeorology, Kananaskis Park, Canada, Amer. Meteor. Soc., 124-131.

_____, 1990: The use of operational 0-6 and 3-9 h quantitative precipitation forecasts for predicting heavy rain events. Abstracts Second National Heavy Precipitation Workshop, Reno, Nat. Wea. Svc., p. 4.

Dallavalle, J. P., 1990: Development of new statistical weather guidance in the National Weather Service. Abstracts Fourteenth Annual Meeting of the National Weather Association, New Carrollton, Nat. Wea. Assoc., 24-25.

Erickson, M. C., 1990: Evaluating the impact of RAFS changes on the NGM-based MOS guidance. Abstracts Fourteenth Annual Meeting of the National Weather Association, New Carrollton, Nat. Wea. Assoc., p. 43.

Glahn, H. R., 1990: The equivalency of the tangent and secant Lambert conformal map projections. Mon. Wea. Rev., 118, 2781-2783.

_____, 1990: On the provision of 5-minute satellite data for AWIPS-90. TDL Office Note No. 90-1, National Weather Service, NOAA, U.S. Department of Commerce, 32 pp.

Jacks, E., 1990: Development and evaluation of the National Weather Service's NGM-based MOS guidance for the contiguous 48 states. Abstracts Fourteenth Annual Meeting of the National Weather Association, New Carrollton, Nat. Wea. Assoc., p. 43.

_____, 1990: A quiz on the interpretation and use of the National Weather Service's statistical guidance products. Nat. Wea. Digest, 15-4, 2-15.

_____, J. B. Bower, V. J. Dagostaro, J. P. Dallavalle, M. C. Erickson, and J. C. Su, 1990: New NGM-based MOS guidance for maximum/minimum temperature, probability of precipitation, cloud amount, and surface wind. Wea. Forecasting, 5, 128-138.

_____, _____, M. C. Erickson, and J. C. Su, 1990: NGM-based MOS guidance for maximum/minimum temperature, probability of precipitation, cloud amount, and surface wind. NWS Technical Procedures Bulletin No. 387, National Oceanic and Atmospheric Administration, U.S. Department of Commerce, 15 pp.

Jensenius, J. S., Jr., 1990: A comparison of the observed and forecast frequencies of various precipitation amounts in the 1986, 1987, and 1988 versions of the Nested Grid Model. TDL Office Note 90-2, National Weather Service, NOAA, U.S. Department of Commerce, 6 pp.

_____, 1990: A statistical comparison of the forecasts produced by the NGM and LFM for the 1987-88 cool season. Wea. Forecasting, 5, 116-127.

Kitzmiller, D. H., 1990: Relationships between vertically-integrated liquid and thunderstorm severity over different regions of the United States. Abstracts Fourteenth Annual Meeting of the National Weather Association, New Carrollton, Nat. Wea. Assoc., 30-31.

_____, 1990: Prognostic relationships between profiler winds and warm-season rain events near Denver. Profiler Forum, January, 3-8.

_____, and W. E. McGovern, 1990: Wind profiler observations preceding outbreaks of large hail over northeastern Colorado. Wea. Forecasting, 5, 78-88.

_____, R. E. Saffle, M. McDonald, R. G. Miller, J. Lang, and W. E. McGovern, 1990: Relationships between vertically-integrated liquid and thunderstorm severity over central Florida. Preprints 16th Conference on Severe Local Storms, Kananaskis Park, Canada, Amer. Meteor. Soc., 603-606.

Peroutka, M. R., 1990: "Explicit weather"--A new approach to forecast formatting. Abstracts Fourteenth Annual Meeting of the National Weather Association, New Carrollton, Nat. Wea. Assoc., p. 28.

Reap, R. M., 1990: Thunderstorms over Alaska as revealed by lightning location data. Preprints 16th Conference on Severe Local Storms, Kananaskis Park, Canada, Amer. Meteor. Soc., J46-J51.

_____, 1990: Six-hour thunderstorm probability forecasts for Kansas-Oklahoma and the Northeast United States. NWS Technical Procedures Bulletin No. 385, National Oceanic and Atmospheric Administration, U.S. Department of Commerce, 6 pp.

_____, 1990: Forecasting snow amounts from net vertical displacements. NWS Technical Procedures Bulletin No. 389, National Oceanic and Atmospheric Administration, U.S. Department of Commerce, 7 pp.

_____, and R. E. Orville, 1990: On the relationships between network lightning locations and surface hourly observations of thunderstorms. Mon. Wea. Rev., 118, 94-108.

Ruth, D. P., and A. Rezek, 1990: Interactive computer worded forecasts and the local forecaster, an operational experiment. Abstracts Fourteenth

Annual Meeting of the National Weather Association, New Carrollton, Nat. Wea. Assoc., p. 28.

Su, J. C., 1990: LFM-based MOS forecasts of the probability of precipitation (PoP). NWS Technical Procedures Bulletin No. 386, National Oceanic and Atmospheric Administration, U.S. Department of Commerce, 12 pp.

Unger, D. A., 1990: The Local AFOS MOS Program (LAMP): A short range statistical guidance system. Abstracts Fourteenth Annual Meeting of the National Weather Association, New Carrollton, Nat. Wea. Assoc., p. 25.

Winkler, J. A., and J. P. Charba, 1990: Variability of subsynoptic-scale circulation features preceding heavy rain events. Preprints Eighth Conference on Hydrometeorology, Kananaskis Park, Canada, Amer. Meteor. Soc., 56-61.

1991

Bower, J. B., 1991: Case studies of new NGM MOS guidance for major thunderstorm and severe weather outbreaks in the spring of 1991. Abstracts Fifteenth Annual Meeting of the National Weather Association, Salt Lake City, Nat. Wea. Assoc., 29-30.

Carroll, L. A., III, 1991: Using the wind profiler's range normalized returned power to monitor moisture changes. TDL Office Note 91-4, National Weather Service, NOAA, U.S. Department of Commerce, 9 pp.

Dagostaro, V. J., and J. P. Dallavalle, 1991: AFOS-era verification of guidance and local aviation/public weather forecasts--No. 11 (October 1988 - March 1989). TDL Office Note 91-2, National Weather Service, NOAA, U.S. Department of Commerce, 64 pp.

_____, and _____, 1991: AFOS-era verification of guidance and local aviation/public weather forecasts--No. 12 (April 1989 - September 1989). TDL Office Note 91-5, National Weather Service, NOAA, U.S. Department of Commerce, 47 pp.

Erickson, M. C., J. B. Bower, V. J. Dagostaro, J. P. Dallavalle, E. Jacks, J. S. Jensenius, Jr., and J. C. Su, 1991: Evaluating the impact of RAFS changes on the NGM-based MOS guidance. Wea. Forecasting, 6, 142-147.

Glahn, H. R., 1991: The evolution and use of statistical guidance forecasts in the United States. PSMP Report Series No. 34, World Meteorological Organization, Geneva, XX57-XX62.

_____, 1991: On MOS and perfect prog for interpretive guidance. TDL Office Note 91-3, National Weather Service, NOAA, U.S. Department of Commerce, 23 pp.

_____, J. P. Charba, J. P. Dallavalle, and R. E. Saffle, 1991: The production and use of quantitative precipitation forecasts in the modernized NWS and TDL's role in their production. TDL Office Note 91-6, National Weather Service, NOAA, U.S. Department of Commerce, 13 pp.

_____, A. H. Murphy, L. J. Wilson, and J. S. Jensenius, Jr., 1991: Lectures and papers presented at the WMO training workshop on the interpretation of NWP products in terms of local weather phenomena and their verification, Wageningen, The Netherlands, World Meteorological Organization, Geneva, 340 pp.

Miller, R. G., and J. Lang, 1991: Verification of 1-6 hour statistical weather forecasts. TDL Office Note 91-1, National Weather Service, NOAA, U.S. Department of Commerce, 51 pp.

Reap, R. M., 1991: Climatological characteristics and objective prediction of thunderstorms over Alaska. Wea. Forecasting, 6, 309-319.

_____, 1991: Lightning strike distributions associated with synoptic map types over Florida. Abstracts Fifteenth Annual Meeting of the National Weather Association, Salt Lake City, Nat. Wea. Assoc., p. 37.

_____, 1991: Thunderstorm probability forecasts for Alaska. NWS Technical Procedures Bulletin No. 392, National Oceanic and Atmospheric Administration, U.S. Department of Commerce, 5 pp.

1992

Beasley R. A., 1992: Separating individual synoptics from within synoptic collectives. NOAA Techniques Development Laboratory Computer Program, NWS TDL CP 92-1, National Weather Service, NOAA, U.S. Department of Commerce, 13 pp.

Breidenbach, J. P., D. H. Kitzmiller, R. E. Saffle, and W. E. McGovern, 1992: Initial development of a second generation severe weather algorithm from volumetric radar reflectivity. Preprints 12th Conference on Probability and Statistics in the Atmospheric Sciences, Toronto, Amer. Meteor. Soc., 144-149.

Charba, J. P., 1992: Estimates of hourly precipitation amount from routine observations of current weather. Postprints Third National Heavy Precipitation Workshop, Pittsburgh, Nat. Wea. Svc., 81-93.

_____, A. W. Harrell III, and A. C. Lackner III, 1992: A monthly precipitation amount climatology derived from published atlas maps: Development of a digital database. TDL Office Note 92-7, National Weather Service, NOAA, U.S. Department of Commerce, 20 pp.

Cammarata, M. W., and J. M. Kosarik, 1992: The automated generation of cloud phrases for the Interactive Computer Worded Forecast. TDL Office Note 92-4, National Weather Service, NOAA, U.S. Department of Commerce, 17 pp.

_____, and _____, 1992: The automated generation of precipitation phrases for the Interactive Computer Worded Forecast. TDL Office Note 92-9, National Weather Service, NOAA, U.S. Department of Commerce, 27 pp.

Carroll, L. A., III, 1992: An enhanced precipitation type guidance system for short range forecasting. Preprints 12th Conference on Probability and Statistics in the Atmospheric Sciences, Toronto, Amer. Meteor. Soc., 155-160.

Dagostaro, V. J., and J. P. Dallavalle, 1992: AFOS-era verification of local aviation/public weather forecasts--No. 12 (April 1989 - September 1989). TDL Office Note 91-5, National Weather Service, NOAA, U.S. Department of Commerce, 47 pp.

_____, and _____, 1992: AFOS-era verification of guidance and local aviation/public weather forecasts--No. 13 (October 1989 - March 1990). TDL Office Note 92-2, National Weather Service, NOAA, U.S. Department of Commerce, 51 pp.

_____, _____, and R. W. Kessler, 1992: AFOS-era verification of guidance and local aviation/public weather forecasts--No. 14 (April 1990 - September 1990). TDL Office Note 92-5, National Weather Service, NOAA, U.S. Department of Commerce, 49 pp.

_____, and _____, 1992: AFOS-era verification of guidance and local aviation/public weather forecasts--No. 15 (October 1990 - March 1991). TDL Office Note 92-6, National Weather Service, NOAA, U.S. Department of Commerce, 52 pp.

_____, and _____, 1992: AFOS-era verification of guidance and local aviation/public weather forecasts--No. 16 (April 1991 - September 1991). TDL Office Note 92-10, National Weather Service, NOAA, U.S. Department of Commerce, 49 pp.

_____, and _____, 1992: AFOS-era verification of guidance and local aviation/public weather forecasts--No. 17 (October 1991 - March 1992). TDL Office Note 92-12, National Weather Service, NOAA, U.S. Department of Commerce, 52 pp.

Dallavalle, J. P., and J. S. Jensenius, Jr., 1992: Characteristics of the National Weather Service's new systems for producing statistical weather forecast guidance. Abstracts Sixteenth Annual Meeting of the National Weather Association, St. Louis, Nat. Wea. Assoc., 13-14.

_____, J. B. Bower, V. J. Dagostaro, D. T. Miller, and J. C. Su, 1992: Development of a new statistical weather forecast system. Preprints 12th Conference on Probability and Statistics in the Atmospheric Sciences, Toronto, Amer. Meteor. Soc., 201-206.

_____, J. S. Jensenius, Jr., and S. A. Gilbert, 1992: NGM-based MOS guidance - The FOUS14/FWC message. NWS Technical Procedures Bulletin No. 408, National Oceanic and Atmospheric Administration, U.S. Department of Commerce, 20 pp.

Erickson, M. C., 1992: MOS precipitation type forecasts based on the Nested Grid Model. Preprints 12th Conference on Probability and Statistics in the Atmospheric Sciences, Toronto, Amer. Meteor. Soc., 195-200.

Glahn, H. R., 1992: On the packing of gridpoint data for efficient transmission. TDL Office Note 92-11, National Weather Service, NOAA, U.S. Department of Commerce, 32 pp.

_____, J. P. Charba, J. P. Dallavalle, and R. E. Saffle, 1992: The quantitative precipitation forecast program of the Techniques Development Laboratory. Preprints 12th Conference on Probability and Statistics in the Atmospheric Sciences, Toronto, Amer. Meteor. Soc., 132-137.

_____, _____, _____, and _____, 1992: Providing objective quantitative precipitation guidance forecasts in the modernized Weather Service. Abstracts Sixteenth Annual Meeting of the National Weather Association, St. Louis, Nat. Wea. Assoc., p. 17.

Jelesnianski, C. P., J. Chen, and W. A. Shaffer, 1992: SLOSH: Sea, lake, and overland surges from hurricanes. NOAA Technical Report NWS 48, National Oceanic and Atmospheric Administration, U. S. Department of Commerce, 71 pp.

Jensenius, J. S., Jr., 1992: The use of grid-binary variables as predictors for statistical weather forecasting. Preprints 12th Conference on Probability and Statistics in the Atmospheric Sciences, Toronto, Amer. Meteor. Soc., 225-230.

_____, K. K. Hughes, and J. B. Settelmaier, 1992: Calibrated perfect prog temperature and probability of precipitation forecasts for medium-range

projections. Preprints 12th Conference on Probability and Statistics in the Atmospheric Sciences, Toronto, Amer. Meteor. Soc., 213-218.

Kitzmiller, D. H., and J. B. Ator, 1992: An extrapolative-statistical method for forecasting radar reflectivity. TDL Office Note 92-15, National Weather Service, NOAA, U.S. Department of Commerce, 18 pp.

_____, W. E. McGovern, and R. E. Saffle, 1992: The NEXRAD severe weather potential algorithm. NOAA Technical Memorandum NWS TDL 81, National Oceanic and Atmospheric Administration, U.S. Department of Commerce, 76 pp.

Kosarik, J. M., and M. W. Cammarata, 1992: The automated generation of wind phrases for the Interactive Computer Worded Forecast. TDL Office Note 92-3, National Weather Service, NOAA, U.S. Department of Commerce, 17 pp.

_____, M. A. Przybocki, M. W. Cammarata, J. F. Wantz, J. Lang, and M. R. Peroutka, 1992: The automated generation of temperature phrases for the Interactive Computer Worded Forecast. TDL Office Note 92-8, National Weather Service, NOAA, U.S. Department of Commerce, 20 pp.

McGovern, W. E., 1992: The ratio of the range to the standard deviation: Potential applications within meteorology. Preprints 12th Conference on Probability and Statistics in the Atmospheric Sciences, Toronto, Amer. Meteor. Soc., 114-118.

_____, 1992: The range of a data set: Its relationship to the standard deviation for various distributions. American Journal of Physics, 60, 943-944.

_____, 1992: Plan for the development of advanced severe weather algorithms for NEXRAD/AWIPS sites. TDL Office Note 92-1, National Weather Service, NOAA, U.S. Department of Commerce, 19 pp.

_____, D. H. Kitzmiller, and R. E. Saffle, 1992: First generation NEXRAD severe weather potential algorithm. Preprints 12th Conference on Probability and Statistics in the Atmospheric Sciences, Toronto, Amer. Meteor. Soc., 138-143.

Reap, R. M., 1992: The Techniques Development Laboratory three-dimensional trajectory model. NWS Technical Procedures Bulletin No. 397, National Oceanic and Atmospheric Administration, U.S. Department of Commerce, 11 pp.

_____, 1992: Detection of thunderstorms near surface stations by lightning data. Proceedings International Aerospace and Ground Conference on Lightning and Static Electricity, Atlantic City, National Interagency Coordinating Group, 49.1-49.9.

Ruth, D. P., 1992: The systematic interpolative radial search (SIRS)--A method to compute gridpoint values from contours. TDL Office Note 92-14, National Weather Service, NOAA, U.S. Department of Commerce, 16 pp.

Unger, D. A., 1992: An evaluation of satellite sky cover estimates to complement ASOS observations. TDL Office Note 92-13, National Weather Service, NOAA, U.S. Department of Commerce, 11 pp.

_____, 1992: An adaptive thresholding procedure to determine categorical forecasts from probabilities. Preprints 12th Conference on Probability and Statistics in the Atmospheric Sciences, Toronto, Amer. Meteor. Soc., 66-71.

1993

Antolik, M. S., 1993: New NGM-based quantitative precipitation forecast guidance. Abstracts National Weather Association Eighteenth Annual Meeting Program, Raleigh, Nat. Wea. Assoc., p. 35.

Battel, G. F., M. A. Leaphart, J. T. Moeller, and M. A. Petrie, 1993: AFOS profiler software system. NOAA Techniques Development Laboratory Computer Program NWS TDL CP 93-1, National Weather Service, NOAA, U.S. Department of Commerce, 188 pp.

Beasley, R. A., 1993: AFOS surface observation decoding. NOAA Techniques Development Laboratory Computer Program NWS TDL CP 93-2, National Weather Service, NOAA, U.S. Department of Commerce, 74 pp.

_____, 1993: Decoding satellite cloud products. NOAA Techniques Development Laboratory Computer Program NWS TDL CP 93-3, National Weather Service, NOAA, U.S. Department of Commerce, 15 pp.

_____, 1993: Decoding nested grid model statistical forecasts. NOAA Techniques Development Laboratory Computer Program NWS TDL CP 93-4, National Weather Service, NOAA, U.S. Department of Commerce, 17 pp.

_____, 1993: Retrieving alphanumeric and graphic products from the AFOS database through the background partition. NOAA Techniques Development Laboratory Computer Program NWS TDL CP 93-5, National Weather Service, NOAA, U.S. Department of Commerce, 15 pp.

Bower, J. B., 1993: NGM-based MOS thunderstorm and severe thunderstorm probability forecasts for the contiguous United States. NWS Technical Procedures Bulletin No. 407, National Oceanic and Atmospheric Administration, U.S. Department of Commerce, 16 pp.

_____, 1993: New NGM-based MOS guidance for snowfall amount. Abstracts National Weather Association Eighteenth Annual Meeting Program, Raleigh, Nat. Wea. Assoc., 34-35.

Breidenbach, J. P., D. H. Kitzmiller, R. E. Saffle, and W. E. McGovern, 1993: Evaluation of new radar predictors and their use in severe weather potential algorithms. Preprints 26th International Conference on Radar Meteorology, Norman, Amer. Meteor. Soc., 163-166.

_____, _____, and _____, 1993: Joint relationship between severe local storm occurrence and radar-derived and environmental variables. Preprints 13th Conference on Weather Analysis and Forecasting, Vienna, Amer. Meteor. Soc., 588-591.

Calkins, J. E., and G. F. Battel, 1993: NOAA weather radio climatological data reports. NOAA Techniques Development Laboratory Computer Program NWS TDL CP 93-6, National Weather Service, NOAA, U.S. Department of Commerce, 51 pp.

Chen, J., 1993: On the operational storm surge model in the United States. Proceedings Conference on Marine Meteorology, Taipei, Taiwan Central Weather Bureau, 21-32.

_____, W. A. Shaffer, and S.-C. Kim, 1993: A forecast model for extratropical storm surge. Advances in Hydro-Science and Engineering. Center for Computational Hydroscience and Engineering, University of Mississippi, 1437-1444.

Dagostaro, V. J., and J. P. Dallavalle, 1993: AFOS-era verification of guidance and local aviation/public weather forecasts--No. 18 (April 1992 - September 1992). TDL Office Note 93-1, National Weather Service, NOAA, U.S. Department of Commerce, 49 pp.

_____, and _____, 1993: AFOS-era verification of guidance and local aviation/public weather forecasts--No. 19 (October 1992 - March 1993). TDL Office Note 93-4, National Weather Service, NOAA, U.S. Department of Commerce, 52 pp.

Dallavalle, J. P., and M. C. Erickson, 1993: Using the National Weather Service's NGM-based statistical guidance for short-range forecasting. Preprints 13th Conference on Weather Analysis and Forecasting, Vienna, Amer. Meteor. Soc., 44-47.

Erickson, M. C., 1993: Rain, snow, sleet, or freezing rain: TDL delivers NGM MOS precipitation type guidance. Abstracts National Weather Association Eighteenth Annual Meeting Program, Raleigh, Nat. Wea. Assoc., 33-34.

_____, J. P. Dallavalle, and J. S. Jensenius, Jr., 1993: Comments on "Snow versus rain: Looking beyond the 'magic' numbers". Wea. Forecasting, 8, 542-544.

Glahn, H. R., 1993: An analysis of some features of the GRIB code. TDL Office Note 93-2, National Weather Service, NOAA, U.S. Department of Commerce, 42 pp.

_____, and G. M. Carter, 1993: Eastern Region Publications Handbook. Eastern Region Scientific Services Division, National Weather Service, NOAA, U.S. Department of Commerce, 56 pp.

Hughes, K. K., and J. S. Jensenius, Jr., 1993: Statistical forecasts of maximum and minimum temperature and mean wind speed for medium-range projections. Preprints 13th Conference on Weather Analysis and Forecasting, Vienna, Amer. Meteor. Soc., 315-318.

Jensenius, J. S., Jr., J. P. Dallavalle, and S. A. Gilbert, 1993: The MRF-based statistical guidance message. NWS Technical Procedures Bulletin No. 411, National Oceanic and Atmospheric Administration, U.S. Department of Commerce, 14 pp.

Kitzmiller, D. H., and J. P. Breidenbach, 1993: Probabilistic nowcasts of large hail based on volumetric reflectivity and storm environment characteristics. Preprints 26th International Conference on Radar Meteorology, Norman, Amer. Meteor. Soc., 157-159.

_____, and J. B. Ator, 1993: Extrapolative-statistical forecasts of radar reflectivity. National Weather Digest, 18-2, 12-19.

Miller, D. T., 1993: NGM-based MOS wind guidance for the contiguous United States. NWS Technical Procedures Bulletin No. 399, National Oceanic and Atmospheric Administration, U.S. Department of Commerce, 19 pp.

Morris, K. R., and R. W. Kessler, 1993: Helicity characteristics in tornadic storm environments from hourly wind profiler data. TDL Office Note 93-3, National Weather Service, NOAA, U.S. Department of Commerce, 33 pp.

Reap, R. M., 1993: The use of network lightning data to detect thunderstorms near surface reporting stations. Mon. Wea. Rev., 464-469.

_____, 1993: Lightning distributions associated with synoptic map types over Florida. Preprints Conference on Atmospheric Electricity, St. Louis, Amer. Meteor. Soc., 761-767.

Ruth, D. P., 1993: The interactive modification of gridded forecasts. Preprints Ninth International Conference on Interactive Information and Processing Systems for Meteorology, Oceanography, and Hydrology, Anaheim, Amer. Meteor. Soc., 327-332.

_____, and M. R. Peroutka, 1993: The Interactive Computer Worded Forecast. Preprints Ninth International Conference on Interactive Information and Processing Systems for Meteorology, Oceanography, and Hydrology, Anaheim, Amer. Meteor. Soc., 321-326.

Seguin, W. R., and A. A. Rezek, 1993: Opportunities for producing new forecast products in the era of the modernized Weather Service. Abstracts National Weather Association Eighteenth Annual Meeting Program, Raleigh, Nat. Wea. Assoc., 31-32.

Settelmaier, J. B., 1993: Precipitation type guidance for medium-range projections. Abstracts National Weather Association Eighteenth Annual Meeting Program, Raleigh, Nat. Wea. Assoc., p. 34.

_____, and J. S. Jensenius, Jr., 1993: Objective forecasts of probability of precipitation and mean opaque cloudiness at medium-range projections. Preprints 13th Conference on Weather Analysis and Forecasting, Vienna, Amer. Meteor. Soc., 319-322.

Sohl, C. J., and M. R. Peroutka, 1993: Implementation of the Interactive Computer Worded Forecast at the National Weather Service Forecast Office in Norman, Oklahoma. Preprints 13th Conference on Weather Analysis and Forecasting, Vienna, Amer. Meteor. Soc., 209-212.

Su, J. C., 1993: Development of the NGM-based probability of precipitation guidance. Preprints 13th Conference on Weather Analysis and Forecasting, Vienna, Amer. Meteor. Soc., 121-124.

_____, 1993: NGM-based MOS guidance for the probability of precipitation (PoP). NWS Technical Procedures Bulletin No. 409, National Oceanic and Atmospheric Administration, U.S. Department of Commerce, 14 pp.

1994

Battel, G. F., G. A. Kokolis, and J. E. Calkins, 1994: NOAA weather radio hourly weather roundup formatter. NOAA Techniques Development Laboratory Computer Program NWS TDL CP 94-1, National Weather Service, NOAA, U.S. Department of Commerce, 41 pp.

Beasley, R. A., 1994: Miscellaneous disk utility application programs for the AFOS background partition. NOAA Techniques Development Laboratory Computer Program NWS TDL CP 94-2, National Weather Service, NOAA, U.S. Department of Commerce, 16 pp.

_____, 1994: A utility for examining the contents of DATAKEYO. NOAA Techniques Development Laboratory Computer Program NWS TDL CP 94-4, National Weather Service, NOAA, U.S. Department of Commerce, 13 pp.

Bower, J. B., 1994: Using new technology at TDL to improve objective weather guidance. Abstracts National Weather Association Nineteenth Annual Meeting Program, Salt Lake City, Nat. Wea Assoc., p. 23.

_____, 1994: NGM-based MOS snowfall amount forecasts for the United States. Technical Procedures Bulletin No. 420, National Oceanic and Atmospheric Administration, U.S. Department of Commerce, 16 pp.

Charba, J. P., 1994: The LAMP QPF product: An overview and initial results. Abstracts Fourth National Heavy Precipitation Workshop, Scottsdale, Nat. Wea. Svc., 10-11.

Glahn, H. R., 1994: An improved algorithm for determining the groups in GRIB second-order packing. TDL Office Note 94-1, National Weather Service, NOAA, U.S. Department of Commerce, 25 pp.

Hughes, K. K., and J. S. Jensenius, Jr., 1994: Improvements in statistical forecasts of medium-range maximum and minimum temperature. Abstracts National Weather Association Nineteenth Annual Meeting Program, Salt Lake City, Nat. Wea. Assoc., p. 24.

Jensenius, J. S., Jr., J. P. Dallavalle, and S. A. Gilbert, 1994: The AVN-based statistical guidance message. NWS Technical Procedures Bulletin No. 415, National Oceanic and Atmospheric Administration, U.S. Department of Commerce, 13 pp.

Kluepfel, C. K., A. J. Schreiner, and D. A. Unger, 1994: The satellite-derived cloud cover product (sounder). NWS Technical Procedures Bulletin No. 410, National Oceanic and Atmospheric Administration, U.S. Department of Commerce, 15 pp.

LaDue, J. G., S. B. Smith, and D. R. MacGorman, 1994: The integration of satellite, radar, and lightning data for the study of tornadic storms. Preprints 7th Conference on Satellite Meteorology and Oceanography, Monterey, Amer. Meteor. Soc., 341-344.

McDonald, M., and R. E. Saffle, 1994: Revised RADAP II archive data user's guide. TDL Office Note 94-2, National Weather Service, NOAA, U.S. Department of Commerce, 48 pp.

Reap, R. M., 1994: Analysis and prediction of lightning strike distributions associated with synoptic map types over Florida. Mon. Wea. Rev., 122, 1698-1715.

_____, 1994: 24-h NGM-based probability and categorical forecasts of thunderstorms and severe local storms for the contiguous U.S. NWS Technical Procedures Bulletin No. 419, National Oceanic and Atmospheric Administration, U.S. Department of Commerce, 14 pp.

Seguin, W. R., R. A. Beasley, and J. L. Pellett, 1994: Changes in the surface observation program and their impact on applications programs, developers, and users. Abstracts National Weather Association Nineteenth Annual Meeting Program, Salt Lake City, Nat. Wea. Assoc., p. 25.

Smith, S. B., J. G. LaDue, and D. R. MacGorman, 1994: Intensification of tornadic storms in relation to their mesoscale environment. Preprints 6th Conference on Mesoscale Processes, Portland, Amer. Meteor. Soc., 205-208.

Su, J. C., 1994: Short-range MOS probability of precipitation guidance for the western contiguous United States and Alaska. Abstracts National Weather Association Nineteenth Annual Meeting Program, Salt Lake City, Nat. Wea. Assoc., p. 24.

Vercelli, D. J., and M. A. Leaphart, 1994: AFOS terminal forecast quality control. NOAA Techniques Development Laboratory Computer Program NWS TDL CP 94-5, National Weather Service, NOAA, U.S. Department of Commerce, 28 pp.

Wantz, J. F., 1994: AFOS terminal aerodrome forecast encoding. NOAA Techniques Development Laboratory Computer Program NWS TDL CP 94-3, National Weather Service, NOAA, U.S. Department of Commerce, 12 pp.

Weaver, J., J. F. W. Purdom, and S. B. Smith, 1994: Comments on "Nowcasts of thunderstorm initiation and evolution." Wea. Forecasting, 9, 658-662.

1995

Antolik, M. S., 1995: NGM-based quantitative precipitation forecast guidance: Performance tests and practical applications. Preprints 14th Conference on Weather Analysis and Forecasting, Dallas, Amer. Meteor. Soc., 182-187.

Breidenbach, J. P., D. H. Kitzmiller, W. E. McGovern, and R. E. Saffle, 1995: The use of volumetric radar reflectivity predictors in the development of a second-generation severe weather potential algorithm. Wea. Forecasting, 10, 369-379.

Dagostaro, V. J., and J. P. Dallavalle, 1995: AFOS-era verification of guidance and local aviation/public weather forecasts--No. 20 (April 1993 - September 1993). TDL Office Note 95-1, National Weather Service, NOAA, U.S. Department of Commerce, 50 pp.

_____, _____, M. D. Miller, and V. C. Southall, 1995: AFOS-era verification of guidance and local aviation/public weather forecasts--No. 21 (October 1993 - March 1994). TDL Office Note 95-2, National Weather Service, NOAA, U.S. Department of Commerce, 52 pp.

Dallavalle, J. P., 1995: MOS forecasts of cold air damming along the lee of the Appalachians. Abstracts Training Symposium for Operational Forecasters in the Carolinas and Virginia Program, Raleigh, Nat. Wea. Svc., (no page number).

_____, and V. J. Dagostaro, 1995: The accuracy of ceiling and visibility forecasts produced by the National Weather Service. Preprints Sixth Conference on Aviation Weather Systems, Dallas, Amer. Meteor. Soc., 213-218.

_____, S. A. Gilbert, and F. G. Meyer, 1995: NGM-based MOS guidance for Alaska - The FOAK13/FOAK14 messages. NWS Technical Procedures Bulletin No. 425, National Oceanic and Atmospheric Administration, U.S. Department of Commerce, 13 pp.

Erickson, M. C., 1995: Evaluating NWS precipitation type forecasts. Preprints Sixth Conference on Aviation Weather Systems, Dallas, Amer. Meteor. Soc., 219-224.

_____, 1995: NGM-based MOS precipitation type forecasts for the United States. NWS Technical Procedures Bulletin No. 421, National Oceanic and Atmospheric Administration, U.S. Department of Commerce, 12 pp.

_____, 1995: Medium-range prediction of PoP and max/min: New possibilities based on ensemble model output. Abstracts National Weather Association Twentieth Annual Meeting Program, Houston, Nat. Wea. Assoc., (no page number).

Ghirardelli, J. E., 1995. Cloud layer forecasting within the Local AWIPS MOS Program: Guidance for the aviation terminal forecast. Abstracts National Weather Association Twentieth Annual Meeting Program, Houston, Nat. Wea. Assoc., (no page number).

Glahn, H. R., 1995: GRIB product sizes for AWIPS. TDL Office Note 95-3, National Weather Service, NOAA, U.S. Department of Commerce, 29 pp.

Houston, S. H., W. A. Shaffer, M. D. Powell, and J. Chen, 1995: Comparisons of SLOSH parametric and HRD analyzed surface wind fields in recent hurricanes. Preprints 21st Conference on Hurricanes and Tropical Meteorology, Miami, Amer. Meteor. Soc., 619-621.

Jensenius, J. S., K. K. Hughes, and J. B. Settelmaier, 1995: The National Weather Service's AVN- and MRF-based statistical weather forecast systems. Preprints 14th Conference on Weather Analysis and Forecasting, Dallas, Amer. Meteor. Soc., 163-170.

Kitzmiller, D. H., 1995: Quantitative high-resolution rainfall forecasts by an extrapolative-statistical method. Abstracts National Weather Association Twentieth Annual Meeting Program, Houston, Nat. Wea. Assoc., (no page number).

_____, and J. P. Breidenbach, 1995: Detection of severe local storm phenomena by automated interpretation of radar and storm environment data. NOAA Technical Memorandum NWS TDL-82, National Oceanic and Atmospheric Administration, U.S. Department of Commerce, 33 pp.

_____, and _____, 1995: Probabilistic nowcasts of severe local storms based on radar and storm environment data. Preprints 27th Conference on Weather Radar, Vail, Amer. Meteor. Soc., 68-70.

_____, W. E. McGovern, and R. E. Saffle, 1995: The WSR-88D severe weather potential algorithm. Wea. Forecasting, 10, 141-159.

Leffler, R. J., and W. E. McGovern, 1995: Use of National Weather Service cooperative station climatic data for the preparation of objective county-level temperature adjustments. Preprints 14th Conference on Weather Analysis and Forecasting, Dallas, Amer. Meteor. Soc., 112-117.

Meiggs, R. K., 1995: An overview of the Interactive Computer Worded Forecast. Abstracts Training Symposium for Operational Forecasters in the Carolinas and Virginia Program, Raleigh, Nat. Wea. Svc., (no page number).

Miller, D. T., 1995: NGM-based MOS ceiling height guidance for the contiguous U.S. NWS Technical Procedures Bulletin No. 414, National Oceanic and Atmospheric Administration, U.S. Department of Commerce, 14 pp.

Settelmaier, J. B., 1995: A developer's approach to forecasting the precipitation type associated with a major cyclone. Preprints 14th Conference on Weather Analysis and Forecasting, Dallas, Amer. Meteor. Soc., 274-279.

_____, 1995: Medium-range weather forecasting: A backward look and a forward look. Abstracts National Weather Association Twentieth Annual Meeting Program, Houston, Nat. Wea. Assoc., (no page number).

Smith, S. B., J. G. LaDue, and D. R. MacGorman, 1995: Integrated data sets in the study and forecasting of thunderstorms. Preprints 14th Conference on Weather Analysis and Forecasting, Dallas, Amer. Meteor. Soc., 347-351.

Wantz, J. F., 1995: An alternative program to PILEDIT for generating an AFOS TRANS file. NOAA Techniques Development Laboratory Computer Program NWS TDL CP 95-1, National Weather Service, NOAA, U.S. Department of Commerce, 10 pp.

1996

Antolik, M. S., 1996: Toward an objective NGM-based expected-value quantitative precipitation forecast system. Preprints 13th Conference on Probability and Statistics in the Atmospheric Sciences, San Francisco, Amer. Meteor. Soc., 57-64.

_____, 1996: What are our needs for synoptic-scale interpretive statistical QPF guidance in a modernized National Weather Service? How should TDL help meet them? Abstracts Fifth National Heavy Precipitation Workshop, State College, Nat. Wea. Svc., p. 4.

_____, 1996: Synoptic-scale statistical quantitative precipitation forecasts: Present and future. Abstracts National Weather Association 21st Annual Meeting Program, Cocoa Beach, Nat. Wea. Assoc., (no page number).

Beasley, R. A., 1996: Retrieving individual observations from surface aviation observation collectives. NOAA Techniques Development Laboratory Computer Program NWS TDL CP 96-1, National Weather Service, NOAA, U.S. Department of Commerce, 15 pp.

_____, 1996: ASOS quality control. Abstracts National Weather Association 21st Annual Meeting Program, Cocoa Beach, Nat. Wea. Assoc., (no page number).

Blier, W., S. Keefe, W. A. Shaffer, and S.-C. Kim, 1996: Observational and numerical modeling investigations of three Bering Sea storms and their associated storm surges in the region of Nome, Alaska. Preprints Conference on Coastal Oceanic and Atmospheric Prediction, Atlanta, Amer. Meteor. Soc., 272-280.

Charba, J. P., 1996: The LAMP QPF product: What are some potential hydrologic forecast applications. Abstracts Fifth National Heavy Precipitation Workshop, State College, Nat. Wea. Svc., p. 15.

Dagostaro, V. J., J. P. Dallavalle, and V. C. Southall, 1996: AFOS-era verification of guidance and local aviation/public weather forecasts--No. 22 (April 1994 - September 1994). TDL Office Note 96-2, National Weather Service, NOAA, U.S. Department of Commerce, 48 pp.

Dallavalle, J. P., 1996: A perspective on the use of Model Output Statistics in objective weather forecasting. Preprints 15th Conference on Weather Analysis and Forecasting, Norfolk, Amer. Meteor. Soc., 479-482.

Erickson, M. C., 1996: Medium-range prediction of PoP and max/min in the era of ensemble model output. Preprints 15th Conference on Weather Analysis and Forecasting, Norfolk, Amer. Meteor. Soc., J35-J38.

Glahn, H. R., and J. P. Dallavalle, 1996: Publications of members of the Techniques Development Laboratory. TDL Office Note 96-4, National Weather Service, NOAA, U.S. Department of Commerce, 26 pp.

Houston, S. H., W. A. Shaffer, M. D. Powell, and J. Chen, 1996: Incorporating HRD surface wind fields into the SLOSH model. Preprints Conference on

Coastal Oceanic and Atmospheric Prediction, Atlanta, Amer. Meteor. Soc., 265-267.

Hughes, K. K., 1996: Complementing ASOS cloud reports with the GOES satellite cloud product. Preprints 15th Conference on Weather Analysis and Forecasting, Norfolk, Amer. Meteor. Soc., 36-39.

Kellenbenz, D. J., 1996: The New York derecho event of 15 July 1995. Abstracts National Weather Association 21st Annual Meeting Program, Cocoa Beach, Nat. Wea. Assoc., (no page number).

Kelly, D. S., 1996: Local AWIPS MOS Program (LAMP) graphical display: Guidance for short term and first period forecasts. Abstracts National Weather Association 21st Annual Meeting Program, Cocoa Beach, Nat. Wea. Assoc., (no page number).

Kim, S.-C., J. Chen, and W. A. Shaffer, 1996: An operational forecast model for extratropical storm surges along the U.S. east coast. Preprints Conference on Coastal Oceanic and Atmospheric Prediction, Atlanta, Amer. Meteor. Soc., 281-286.

Kitzmiller, D. H., 1996: What is the skill of short-range extrapolation forecasts of rainfall? Abstracts Fifth National Heavy Precipitation Workshop, State College, Nat. Wea. Svc., p. 40.

_____, 1996: One-hour forecasts of radar-estimated rainfall by an extrapolative-statistical method. TDL Office Note 96-1, National Weather Service, NOAA, U.S. Department of Commerce, 26 pp.

Kuligowski, R. J., 1996: An overview of NWS QPF products. TDL Office Note 96-3, National Weather Service, NOAA, U.S. Department of Commerce, 22 pp.

Li, Y., and S. B. Smith, 1996: An automated technique for determining satellite cloud-top temperatures for thunderstorms. Preprints 15th Conference on Weather Analysis and Forecasting, Norfolk, Amer. Meteor. Soc., 150-152.

Oberfield, M. G., 1996: Creation of aviation forecasts from a digital database. Preprints 12th International Conference on Interactive Information and Processing Systems (IIPS) for Meteorology, Oceanography, and Hydrology, Atlanta, Amer. Meteor. Soc., 247-251.

Reap, R. M., 1996: Probability forecasts of clear-air turbulence for the contiguous U.S. NWS Technical Procedures Bulletin No. 430, National Oceanic and Atmospheric Administration, U.S. Department of Commerce, 15 pp.

Rothfusz, L. P., J. Noffsinger, M. R. Peroutka, S. Schotz, and J. T. Johnson, 1996: Weather information display, analysis and product generation tools used in support of the 1996 Summer Olympic Games: Daily forecasts. Preprints 12th International Conference on Interactive Information and Processing Systems (IIPS) for Meteorology, Oceanography, and Hydrology, Atlanta, Amer. Meteor. Soc., 7-12.

_____, 1996: Probability forecasts of clear-air turbulence for the contiguous U.S. Preprints 13th Conference on Probability and Statistics in the Atmospheric Sciences, San Francisco, Amer. Meteor. Soc., 66-71.

Settelmaier, J. B., 1996: Evaluating medium-range weather forecasts: An analysis of errors. Preprints 15th Conference on Weather Analysis and Forecasting, Norfolk, Amer. Meteor. Soc., 461-464.

Smith, S. B., 1996: How soon can a thunderstorm be identified? A comparison of satellite-observed cloud-top cooling and the onset of cloud-to-ground lightning. Preprints 18th Conference on Severe Local Storms, San Francisco, Amer. Meteor. Soc., 479-482.

_____, and M. E. Churma, 1996: An overview of the AWIPS thunderstorm product. Preprints 15th Conference on Weather Analysis and Forecasting, Norfolk, Amer. Meteor. Soc., 297-300.

1997

Burroughs, L. B., and J. P. Dallavalle, 1997: Great Lakes storm surge guidance. NWS Technical Procedures Bulletin No. 434, National Oceanic and Atmospheric Administration, U.S. Department of Commerce, (in press).

Calkins, J. E., and M. R. Peroutka, 1997: Local effect phrases in the Interactive Computer Worded Forecast. Preprints 13th International Conference on Interactive Information and Processing Systems (IIPS) for Meteorology, Oceanography, and Hydrology, Long Beach, Amer. Meteor. Soc., (in press).

Dallavalle, J. P., and W. Yan, 1997: NGM-based MOS guidance for maximum/minimum temperature, 3-hourly temperature, and 3-hourly dew point for the contiguous United States and Alaska. NWS Technical Procedures Bulletin No. 406, National Oceanic and Atmospheric Administration, U.S. Department of Commerce, (in preparation).

Foose, J. M., 1997: NGM-based MOS wind guidance for Alaska. NWS Technical Procedures Bulletin No. 438, National Oceanic and Atmospheric Administration, U.S. Department of Commerce, (in press).

Ghirardelli, J. E., and D. A. Unger, 1997: Cloud layer forecasting within the Local AWIPS MOS Program (LAMP). Preprints Seventh Conference on Aviation, Range and Aerospace Meteorology, Long Beach, Amer. Meteor. Soc., (in press).

Meiggs, R. K., M. R. Peroutka, and S. L. Snyder, 1997: Updating forecasts via the Interactive Computer Worded Forecast. Preprints 13th International Conference on Interactive Information and Processing Systems (IIPS) for Meteorology, Oceanography, and Hydrology, Long Beach, Amer. Meteor. Soc., (in press).

Meyer, F. G., V. J. Dagostaro, and D. T. Miller, 1997: NGM-based MOS visibility and obstruction to vision guidance for the contiguous U.S. NWS Technical Procedures Bulletin No. 431, National Oceanic and Atmospheric Administration, U.S. Department of Commerce, (in press).

Oberfield, M. G., and D. P. Ruth, 1997: Preparing aviation terminal forecasts via the Interactive Computer Worded Forecast. Preprints Seventh Conference on Aviation, Range and Aerospace Meteorology, Long Beach, Amer. Meteor. Soc., (in press).

Peroutka, M. R., M. G. Oberfield, and J. M. Sierchio, 1997: Fire weather products in the Interactive Computer Worded Forecast. Preprints 13th International Conference on Interactive Information and Processing Systems (IIPS) for Meteorology, Oceanography, and Hydrology, Long Beach, Amer. Meteor. Soc., (in press).

Reap, R. M., 1997: Probability forecasts of aircraft icing for the contiguous U.S. Preprints Seventh Conference on Aviation, Range and Aerospace Meteorology, Long Beach, Amer. Meteor. Soc., (in press).

_____, 1997: Aircraft icing forecasts for the contiguous U.S. NWS Technical Procedures Bulletin No. 437, National Oceanic and Atmospheric Administration, U.S. Department of Commerce, (in press).

Ruth, D. P., and L. Du, 1997: Tailoring model forecasts with slider bars in the Interactive Computer Worded Forecast. Preprints 13th International Conference on Interactive Information and Processing Systems (IIPS) for Meteorology, Oceanography, and Hydrology, Long Beach, Amer. Meteor. Soc., (in press).