The Localized Aviation MOS Program (LAMP) provides skillful aviation forecast guidance and is a critical component of the NBM in the very short term period. LAMP currently provides hourly updates of station-based and Grided LAMP (GLMP) guidance on the NDFD 2.5-km grid in hourly increments to 25 hours. Recent upgrades to LAMP in January 2018 include: Added 1-h gridded convection and lightning guidance which statistically incorporates High Resolution Rapid Refresh (HRRR) model output, Multi-Radar Multi-Sensor (MRMS) data, and total lightning data Modified LAMP/GLMP to use the most-recent METAR and SPECI observations and produce ceiling and visibility guidance every 15 minutes; issuances at .00,.15, and .45 go out 3-h, issuance at .30 goes out 25-h These upgrades result in improved GLMP guidance for aviation elements.

UPGRADING THE LAMP GUIDANCE SYSTEM TO MEET EXPANDING NEEDS OF THE NATIONAL WEATHER SERVICE’S NATIONAL BLEND OF MODELS

Judy E. Ghirardelli1, Phillip E. Shafer1, Frederick G. Samplatsky1, Adam D. Schnapp2, Bob Glahn1, Jerome P. Charba1, Andrew J. Kochenash2, Felicia Guarriello2, Allison Bogusz3, and Michele Masuda4

1NOAA/NWS/OSTI/MDL 2NOAA affiliate, KBRwyle Science, Technology & Engineering Group 3Ace Info Solutions 4NOAA Rotational Assignment Program, National Marine Fisheries Service/Alaska Fisheries Science Center

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