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TECHNICAL IMPLEMENTATION NOTICE 07-48
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC
246 PM EDT THU JUL 12 2007

TO: FAMILY OF SERVICES /FOS/ SUBSCRIBERS
NOAA WEATHER WIRE SERVICE /NWS/ SUBSCRIBERS
EMERGENCY MANAGERS WEATHER INFORMATION NETWORK /EMWIN/
SUBSCRIBERS
NOAAPORT SUBSCRIBERS
OTHER NWS PARTNERS...USERS AND EMPLOYEES

FROM: PAUL HIRSCHBERG
CHIEF...SCIENCE PLANS BRANCH
OFFICE OF SCIENCE AND TECHNOLOGY

SUBJECT: ADDITION OF NEW CYCLES FOR GFS-BASED LAMP GUIDANCE: EFFECTIVE
SEPTEMBER 26 2007

ATTENTION USERS OF THE GLOBAL FORECAST SYSTEM /GFS/-BASED LOCALIZED
AVIATION MOS PROGRAM /LAMP/ GUIDANCE:

EFFECTIVE WEDNESDAY SEPTEMBER 26 2007...BEGINNING WITH THE 0400
COORDINATED UNIVERSAL TIME /UTC/ RUN...THE NWS WILL PRODUCE FOUR
ADDITIONAL CYCLES OF THE NEW SHORT RANGE /1 - 25 HOUR/ GFS-BASED LAMP
GUIDANCE AND DISSEMINATE THEM ON THE SATELLITE BROADCAST NETWORK
/SBN/...NOAAPORT AND THE NWS FILE TRANSFER PROTOCOL /FTP/ SERVER. THE
FOUR NEW LAMP CYCLES ARE 0400...0500...1000 AND 1100 UTC.

THIS IS IN ADDITION TO THE EIGHT EXISTING LAMP CYCLES OF
0000...0300...0600...0900...1200...1500...1800 AND 2100 UTC...AND BRINGS
THE TOTAL NUMBER OF OPERATIONAL LAMP CYCLES UP TO 12. ADDITIONAL
CYCLES...FOR A TOTAL OF 24 CYCLES...WILL BE ADDED AT A LATER DATE. THESE
GUIDANCE PRODUCTS WILL BE IN BINARY UNIVERSAL FORM FOR THE REPRESENTATION
OF METEOROLOGICAL DATA /BUFR/...AMERICAN STANDARD CODE FOR INFORMATION
INTERCHANGE /ASCII/ AND GRIDDED BINARY VERSION TWO /GRIB2/ FORMAT. THE
COMMUNICATION IDENTIFIERS FOR THE BUFR...ASCII AND GRIB2 PRODUCTS ARE
SHOWN BELOW IN TABLES 1...2 AND 3 RESPECTIVELY.

A WEBPAGE OUTLINING THE LAMP GUIDANCE CAN BE FOUND ONLINE AT /USE LOWER
CASE/:

[HTTP://WWW.NWS.NOAA.GOV/MDL/GFSLAMP/DOCS/GFSLAMP INFO.SHTML](http://www.nws.noaa.gov/mdl/gfslamp/docs/gfslamp_info.shtml)

TABLE 1: COMMUNICATION IDENTIFIERS FOR THE GFS-BASED LAMP PRODUCTS IN BUFR FORMAT. LISTED BELOW ARE THE WORLD METEOROLOGICAL ORGANIZATION /WMO/ HEADINGS:

WMO HEADING	REGION
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JSMF10 KWNO	LAMP BUFR PACIFIC REGION
JSMF11 KWNO	LAMP BUFR NORTHEAST REGION
JSMF12 KWNO	LAMP BUFR SOUTHEAST REGION
JSMF13 KWNO	LAMP BUFR NORTH CENTRAL REGION
JSMF14 KWNO	LAMP BUFR SOUTH CENTRAL REGION
JSMF15 KWNO	LAMP BUFR ROCKY MOUNTAINS REGION
JSMF16 KWNO	LAMP BUFR WEST COAST REGION
JSMF17 KWNO	LAMP BUFR ALASKA

TABLE 2: COMMUNICATION IDENTIFIER FOR THE GFS-BASED LAMP PRODUCTS IN ASCII FORMAT. LISTED BELOW IS THE WMO HEADING AND ADVANCED WEATHER INTERACTIVE PROCESSING SYSTEM /AWIPS/ IDENTIFIER:

WMO HEADING	AWIPS ID
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FOUS11 KWNO	LAVUSA

TABLE 3: COMMUNICATION IDENTIFIERS FOR THE GFS-BASED LAMP GRIDDED THUNDERSTORM PRODUCTS IN GRIB2 FORMAT. EACH GRIB2 PRODUCT HAS A UNIQUE WMO HEADING. LISTED BELOW ARE REPRESENTATIONS OF THE WMO HEADINGS.

WMO HEADING	ELEMENT
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LAUXXX KWNO	2-HOUR PROBABILITY OF THUNDERSTORMS
LBUXXX KWNO	2-HOUR CATEGORICAL FORECASTS OF THUNDERSTORMS OCCURRING

A COMPLETE LIST OF WMO HEADINGS FOR LAMP GRIDDED THUNDERSTORM GUIDANCE IS AVAILABLE AT /USE LOWER CASE/:

[HTTP://WWW.NWS.NOAA.GOV/MDL/GFSLAMP/DOCS/LAMPHEADERS.PDF](http://www.nws.noaa.gov/mdl/gfslamp/docs/lampheaders.pdf)

LINKS TO THE GFS-LAMP PRODUCTS...ALONG WITH DESCRIPTIONS...CAN BE FOUND AT /USE LOWER CASE/:

[HTTP://WWW.NWS.NOAA.GOV/MDL/LAMP](http://www.nws.noaa.gov/mdl/lamp)

IF YOU HAVE QUESTIONS ABOUT THESE PRODUCTS OR THE LAMP GUIDANCE...PLEASE CONTACT:

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NATIONAL TECHNICAL IMPLEMENTATION NOTICES ARE ONLINE AT /USE LOWER CASE/:

[HTTPS://WWW.WEATHER.GOV/NOTIFICATION/ARCHIVE](https://www.weather.gov/notification/archive)

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