

NOUS41 KWBC 221305
PNSWSH

TECHNICAL IMPLEMENTATION NOTICE 07-13
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC
805 AM EST THU FEB 22 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 AND STATIONS FOR GFS-BASED LAMP GUIDANCE:
EFFECTIVE MAY 8 2007

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

EFFECTIVE TUESDAY MAY 8 2007 BEGINNING WITH THE 1200 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 IT ON
THE SATELLITE BROADCAST NETWORK /SBN/...NOAAPORT AND THE NWS FILE TRANSFER
PROTOCOL /FTP/ SERVER. THE FOUR NEW LAMP CYCLES ARE 0000 UTC...0600
UTC...1200 UTC and 1800 UTC.

THIS IS IN ADDITION TO THE FOUR EXISTING LAMP CYCLES OF 0300...0900...1500
AND 2100 UTC...AND BRINGS THE TOTAL NUMBER OF OPERATIONAL LAMP CYCLES UP
TO EIGHT. 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.

IN ADDITION...69 NEW STATIONS WILL BE ADDED TO THE GFS LAMP PRODUCT FOR
ONLY THE NEW CYCLES. INITIALLY...THESE NEW STATIONS WILL NOT HAVE
GUIDANCE FOR ALL ELEMENTS. ELEMENTS WILL BE ADDED IN THE FUTURE AS THEY
BECOME AVAILABLE.

USERS CAN FIND A LIST OF THE NEW STATIONS BEING ADDED AT /USE LOWER CASE/:

[HTTP://WWW.NWS.NOAA.GOV/MDL/GFSLAMP/DOCS/NEWSITES_052007.SHTML](http://www.nws.noaa.gov/mdl/gfslamp/docs/newsites_052007.shtml)

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

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 HEADER 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 HEADER. LISTED BELOW ARE REPRESENTATIONS OF THE WMO HEADERS.

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 HEADERS 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)

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)

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

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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)

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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