

NOUS41 KWBC 061510 AAA
PNSWSH

TECHNICAL IMPLEMENTATION NOTICE 06-59 AMENDED
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC
1010 AM EST WED DEC 6 2006

TO: NATIONAL WEATHER SERVICE /NWS/ OFFICES
FEDERAL AVIATION ADMINISTRATION /FAA/ CUSTOMERS
FAMILY OF SERVICES /FOS/ SUBSCRIBERS
OTHER CUSTOMERS OF NWS AVIATION FORECASTS

FROM: KEVIN L. JOHNSTON
CHIEF...AVIATION SERVICES BRANCH

SUBJECT: AMENDED: ENHANCEMENT OF GRAPHICAL TURBULENCE GUIDANCE /GTG/:
EFFECTIVE DATE POSTPONED UNTIL FURTHER NOTICE

NOTE: THE FOLLOWING CHANGES HAVE NO IMPACT ON NOAA WEATHER WIRE SERVICE
SUBSCRIBERS.

AMENDED TO POSTPONE UNTIL FURTHER NOTICE THE EFFECTIVE DATE FOR
IMPLEMENTATION OF AN ENHANCED VERSION OF THE GTG PRODUCT ORIGINALLY
SCHEDULED FOR JANUARY 8 2007. THE POSTPONEMENT WILL ALLOW COMPLETION OF
COORDINATION ACTIVITIES BETWEEN NWS AND THE FEDERAL AVIATION
ADMINISTRATION /FAA/. A FOLLOW-UP TECHNICAL IMPLEMENTATION NOTICE /TIN/
WILL BE ISSUED WHEN THE NEW IMPLEMENTATION DATE IS SET.

THIS PRODUCT ENHANCEMENT EXTENDS THE VERTICAL DOMAIN OF THE GTG INTO THE
MIDDLE LEVEL OF THE ATMOSPHERE...BETWEEN 10 AND 19 THOUSAND FEET ABOVE
MEAN SEA LEVEL /FLIGHT LEVELS 100 TO 190/. TABLE 1 CONTAINS THE
COMMUNICATION HEADINGS FOR EACH FLIGHT LEVEL /FL/.

THE GTG IS AN AUTOMATICALLY GENERATED TURBULENCE PRODUCT THAT DIAGNOSES
AND PREDICTS THE LOCATION AND INTENSITY OF TURBULENCE OVER THE
CONTERMINOUS UNITED STATES AND ADJACENT COASTAL WATERS /CONUS/. THE GTG
HAS BEEN AVAILABLE AS AN NWS OPERATIONAL PRODUCT SINCE MARCH 2003.

THE GTG PRODUCES AN ANALYSIS...1-...2- AND 3-HOUR TURBULENCE FORECAST
EVERY HOUR AND A 6-...9- AND 12-HOUR FORECAST EVERY THREE HOURS IN GRIDDED
BINARY /GRIB/ FORMAT. A COMPOSITE FIELD REPRESENTING THE MAXIMUM
TURBULENCE VALUE BETWEEN 10 AND 45 THOUSAND FEET FOR EACH ANALYSIS AND
FORECAST IS ALSO AVAILABLE.

MORE INFORMATION ABOUT THE GTG PRODUCT CAN BE OBTAINED AT /USE LOWER
CASE/:

[HTTP://ADDS.AVIATIONWEATHER.GOV/TURBULENCE/](http://adds.aviationweather.gov/turbulence/)

THE CURRENT PRODUCT DESCRIPTION DOCUMENT /PDD/ FOR THE GTG IS AVAILABLE AT
/USE LOWER CASE/:

[HTTP://PRODUCTS.WEATHER.GOV/](http://products.weather.gov/)

TABLE 1: NEW GTG HEADERS:

FL	WMO HEADING
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100	YVW*70 KKCI
110	YVW*67 KKCI
120	YVW*65 KKCI
130	YVW*62 KKCI
140	YVW*60 KKCI
150	YVW*57 KKCI
160	YVW*55 KKCI
170	YVW*53 KKCI
180	YVW*50 KKCI
190	YVW*48 KKCI

WHERE:

* = A = 00-HOUR ANALYSIS
* = B = 01-HOUR FORECAST
* = C = 02-HOUR FORECAST
* = D = 03-HOUR FORECAST
* = G = 06-HOUR FORECAST
* = J = 09-HOUR FORECAST
* = M = 12-HOUR FORECAST

THE GTG PRODUCT WILL CONTINUE TO BE AVAILABLE IN GRIB FORMAT FROM THE FOLLOWING SYSTEMS:

- THE SATELLITE BROADCAST NETWORK /SBN/ NOAAPORT CHANNEL.
- NATIONAL WEATHER SERVICE FILE TRANSFER PROTOCOL /FTP/ SERVERS AT /USE LOWER CASE EXCEPT FOR SL AND DC/:

<FTP://TGFTP.NWS.NOAA.GOV/SL.US008001/DC.AVSPT/>

- THE FAMILY OF SERVICES /FOS/ HIGH RESOLUTION DATA SERVICE AND SERVER ACCESS SERVICE.

ADDITIONAL INFORMATION ON NWS AVIATION PRODUCT DISSEMINATION IS AVAILABLE AT /USE LOWER CASE/:

<HTTP://WEATHER.GOV/OS/DISEMSYS.SHTML>

IF YOU HAVE ANY QUESTIONS REGARDING THIS PRODUCT...CONTACT:

CLINTON WALLACE
CHIEF...AVIATION SUPPORT BRANCH
AVIATION WEATHER CENTER
KANSAS CITY MISSOURI
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NATIONAL TECHNICAL IMPLEMENTATION NOTICES ARE ONLINE AT /USE LOWER CASE/:

<HTTPS://WWW.WEATHER.GOV/NOTIFICATIONS/ARCHIVE>

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