

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
FAMILY OF SERVICES /FOS/ SUBSCRIBERS
FEDERAL AVIATION ADMINISTRATION /FAA/ OFFICES
OTHER NWS AVIATION CUSTOMERS AND PARTNERS

FROM: KEVIN L. JOHNSTON
AVIATION SERVICES BRANCH CHIEF

SUBJECT: AMENDED: ENHANCEMENT OF GRAPHICAL TURBULENCE GUIDANCE
/GTG/: EFFECTIVE JANUARY 8 2007 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 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
DIAGNOSIS 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 3
HOURS IN 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 LETTERS/:

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

THE CURRENT PRODUCT DESCRIPTION DOCUMENT FOR THE GTG IS

AVAILABLE AT /USE LOWER CASE LETTERS/:

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

TABLE 1: NEW GTG HEADERS:

FL	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.

1. THE SATELLITE BROADCAST NETWORK /SBN/ NOAAPORT CHANNEL

2. NATIONAL WEATHER SERVICE FTP SERVERS AT /USE LOWER CASE LETTERS EXCEPT AS NOTED BELOW/:

<ftp://tgftp.nws.noaa.gov/SL.us008001/DC.avsp/>

NOTE: IN THE INTERNET ADDRESS ABOVE SL AND DC MUST BE IN UPPER CASE LETTERS.

3. 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 LETTERS/:

[HTTP://WEATHER.GOV/OS/DISEMSYS.SHTML](http://weather.gov/os/disemsys.shtml)

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

CLINTON WALLACE
CHIEF, AVIATION SUPPORT BRANCH

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THIS AND OTHER NWS TECHNICAL IMPLEMENTATION NOTICES ARE
AVAILABLE
ONLINE AT /USE LOWER CASE LETTERS/

[HTTP://WWW.NWS.NOAA.GOV/OM/NOTIF.HTM](http://www.nws.noaa.gov/om/notif.htm)

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