

NOUS41 KWBC 161217
PNSWSH

TECHNICAL IMPLEMENTATION NOTICE 07-22
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC
817 AM EDT MON APR 16 2007

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

FROM: THERESE Z. PIERCE
CHIEF...MARINE AND COASTAL SERVICES BRANCH

SUBJECT: CHANGES TO TROPICAL CYCLONE PROBABILISTIC WIND SPEED PRODUCTS:
EFFECTIVE MAY 15 2007

REFEREMCE: [TECHNICAL IMPLEMENTATION NOTICE /TIN/ 06-71](#) ANNOUNCING CHANGES
TO THE TROPICAL CYCLONE PROBABILISTIC WIND SPEED PRODUCTS: TRANSMITTED
OCTOBER 23 2006.

BEGINNING MAY 15 2007...THE NATIONAL HURRICANE CENTER /NHC/ WILL HAVE THE
CAPABILITY TO ISSUE TROPICAL CYCLONE INCREMENTAL PROBABILISTIC WIND SPEED
FORECASTS.

CURRENTLY...THE NHC DISSEMINATES TROPICAL CYCLONE CUMULATIVE PROBABILISTIC
WIND SPEED FORECASTS WHEN TROPICAL CYCLONES ARE FORECAST FOR THE
ATLANTIC...THE EASTERN PACIFIC...CENTRAL PACIFIC AND WESTERN PACIFIC
HURRICANE BASINS. THESE PRODUCTS ARE DISSEMINATED FOUR TIMES PER DAY WHEN
TROPICAL CYCLONE ADVISORIES ARE ISSUED AT 0300...0900...1500 AND 2100
COORDINATED UNIVERSAL TIME /UTC/...AND ALSO IN CONJUNCTION WITH THE
ISSUANCE OF SPECIAL TROPICAL CYCLONE ADVISORIES. THESE PRODUCTS PROVIDE
THE PROBABILITIES OF SUSTAINED WIND SPEED EXCEEDANCE FOR THREE THRESHOLDS:
34 KNOTS...50 KNOTS AND 64 KNOTS...AT 6-HOURLY FORECAST INTERVALS OUT TO
120 HOURS. THE PRODUCTS ARE ISSUED ON ADVANCED WEATHER INTERACTIVE
PROCESSING SYSTEM /AWIPS/ GRID 231 IN GRIDDED BINARY VERSION TWO /GRIB2/
FORMAT AT A 0.5 DEGREE KILOMETER RESOLUTION.

FOR ADDITIONAL DETAILS ON THE PROBABILISTIC WINDS PRODUCTS...TO INCLUDE
DEFINITIONS OF THE CUMULATIVE AND INCREMENTAL PROBABILITIES...REFER TO THE
NHC WEBSITE AT /USE LOWER CASE/:

[HTTP://WWW.NHC.NOAA.GOV/ABOUTNHCPROD.SHTML](http://www.nhc.noaa.gov/aboutnhcprod.shtml)

THE INCREMENTAL DATA WILL BE ISSUED UNDER THE SAME HEADERS AS THE
CUMULATIVE DATA. THERE ARE NO CHANGES TO THE COMMUNICATION
HEADERS...REFERENCE [TIN 06-71](#) TRANSMITTED ON OCTOBER 23 2006. THE GRIB
FIELD DESCRIPTORS FOR THE INCREMENTAL DATA ARE DIFFERENT FROM THE
CUMULATIVE DATA FIELD DESCRIPTORS.

IF YOU HAVE QUESTIONS REGARDING THIS NOTICE...PLEASE CONTACT:

SCOTT KISER
NATIONAL WEATHER SERVICE
MARINE AND COASTAL SERVICES BRANCH
SILVER SPRING MARYLAND
EMAIL: SCOTT.KISER@NOAA.GOV

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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