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PNSWSH

Technical Implementation Notice 12-29
National Weather Service Headquarters Washington DC
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To: Subscribers:
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 -NOAA Weather Wire Service
 -Emergency Managers Weather Information Network
 -NOAAPort
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From: Eli Jacks
 Chief, Fire and Public Weather Services Branch

Subject: Operational Ultraviolet Radiation Grids in the National Digital
Guidance Database (NDGD): Effective Tuesday, July 10, 2012, for CONUS Only

Effective Tuesday, July 10, 2012, at 1400 Coordinated Universal Time
(UTC), NWS is making the following three ultraviolet radiation grids
operational in the National Digital Guidance Database (NDGD) for the
Conterminous United States (CONUS) only:

- Ultraviolet Index, for each daylight hour out to 48 hours
- Daily Maximum Ultraviolet Index, once per day out to 120 hours
- Downward Short Wave Radiation Flux, for every third daylight hour out to 120 hours

These grids have been produced experimentally since March 2011. See the
link below for further information.

https://www.weather.gov/media/notification/pdfs/pns11ndgd_uv_grids.pdf

These grids are derived automatically from the 1200 UTC model run of the
Global Forecast System (GFS) for CONUS.

More detail regarding these grids is available in a Product Description
Document (PDD) online at:

<http://products.weather.gov/viewlist.php>

To access the operational grids, use the following URLs after 1400 UTC,
July 10, 2012:

For ftp access:

<ftp://tgftp.nws.noaa.gov/SL.us008001/ST.opnl/DF.gr2/DC.ndgd/GT.dnggfs>

For http access:

<http://weather.noaa.gov/pub/SL.us008001/ST.opnl/DF.gr2/DC.ndgd/GT.dnggfs>

More information on what the UV Index is and how it is computed is available online at:

http://www.cpc.ncep.noaa.gov/products/stratosphere/uv_index/uv_what.shtml

http://www.cpc.ncep.noaa.gov/products/stratosphere/uv_index/uv_compute.shtml

General information on accessing and using NDGD elements is available online at:

<http://www.weather.gov/ndgd/technical.shtml>

For technical questions regarding NDGD data, please contact:

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National Technical Implementation Notices are online at:

<https://www.weather.gov/notification/archive>

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