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PNSWSH

Technical Implementation Notice 15-11  
National Weather Service Headquarters Washington DC  
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To:           Subscribers  
              -Family of Services  
              -NOAA Weather Wire Service  
              -Emergency Managers Weather Information Network  
              -NOAAPort  
              Other NWS Partners, Users and Employees

From:       Terrance J. Clark  
              Acting Director, Radar Operations Center

Subject: More Frequent Products from Remaining FAA TDWRs to Begin  
Dissemination on April 7, 2015

Beginning April 7, 2015, NWS will more frequently disseminate radar products generated by the NWS Supplemental Product Generator (SPG) from the remaining Federal Aviation Administration (FAA) Terminal Doppler Weather Radars (TDWRs) during hazardous weather. Currently, 18 TDWRs are already disseminating this data.

The remaining TDWRs include:

Associated WFO	TDWR ID	TDWR FAA Site
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PSR	TPHX	Phoenix, AZ
SLC	TSLC	Salt Lake City, UT
TSA	TTUL	Tulsa, OK
FFC	TATL	Atlanta, GA
VEF	TLAS	Las Vegas, NV
MFL	TFLL	Fort Lauderdale, FL
MFL	TMIA	Miami, FL
MFL	TPBI	West Palm Beach, FL
HGX	TIAH	Houston International, TX
HGX	THOU	Houston Hobby, TX
BOX	TBOS	Boston, MA
BOU	TDEN	Denver, CO
CLE	TLVE	Cleveland, OH
DTX	TDTW	Detroit, MI
IND	TIDS	Indianapolis, IN
LMK	TSDF	Louisville, KY
MLB	TMCO	Orlando, FL
MEG	TMEM	Memphis, TN
MPX	TMSP	Minneapolis, MN
PHI	TPHL	Philadelphia, PA
OHX	TBNA	Nashville, TN
LIX	TMSY	New Orleans, LA
PBZ	TPIT	Pittsburgh, PA
LSX	TSTL	St. Louis, MO

Associated WFO	TDWR ID	TDWR FAA Site
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TBW	TTPA	Tampa, FL
ICT	TICH	Wichita, KS
SJU	TSJU	San Juan, PR

The products will be provided via the NWS Radar Product Central Data Collection Dissemination Service (RPCCDS) and/or NOAAPort.

When certain thresholds of precipitation are met, the TDWR shifts into hazardous weather mode, also known as Volume Coverage Pattern 80 (VCP 80). While the TDWR is in hazardous weather mode, the short-range lowest elevation scan is repeated every minute. In addition, most of the other short-range elevation scans and volume products are repeated every three minutes.

Two example TDWR products that will be repeated every minute in hazardous weather mode (VCP 80):

WMO Header	AWIPS ID	Product ID	Product Name
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SDUS55 KPSR	TR0PHX	181	Reflectivity (Z) Base Elevation
SDUS55 KPSR	TV0PHX	182	Velocity (V) Base Elevation

Nine example TDWR products that will be repeated every three minutes in VCP 80:

WMO Header	AWIPS ID	Product ID	Product Name
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SDUS25 KPSR	TR2PHX	181	Reflectivity (Z) Third Elevation
SDUS75 KPSR	TV2PHX	182	Velocity (V) Third Elevation
SDUS55 KPSR	NCRPHX	37	Composite Reflectivity (CZ)

WMO Header	AWIPS ID	Product ID	Product Name
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SDUS75 KPSR	NETPHX	41	Echo Tops (ET)
SDUS55 KPSR	NVLPHX	57	Vertically Integrated Liquid (VIL)
SDUS35 KPSR	NSTPHX	58	Storm Tracking Information (STI)
SDUS65 KPSR	NHIPHX	59	Hail Index (HI)
SDUS65 KPSR	NTVPHX	61	Tornadic Vortex Signature (TVS)
SDUS35 KPSR	NMDPHX	141	Mesocyclone (MD)

As with other centrally collected TDWR products, National Climatic Data Center (NCDC) will archive the additional products. The archived products will be listed with other TDWR products under the NEXRAD Level III tab at:

<http://hurricane.ncdc.noaa.gov/pls/plhas/has.dsselect>

More information on TDWR data is available at:

<http://www.roc.noaa.gov/spg>

For questions or comments, please contact:

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National Technical Implementation Notices are online at:

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

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