

# **RADAR PRODUCTS THROUGH THE NOAAPORT SATELLITE BROADCAST (WSR-88D and TDWR PRODUCTS)**

UPDATED February 22, 2010

## **WSR-88D products**

PRODUCT	PRODUCT HEADERS		ELEVATION ANGLES (DEGREES)
	RPG HEADER	WMO HEADER	
General Status Message	2/GSM	NXUS6i cccc GSM xxx	Elevation Angle Not Applicable
Base Reflectivity – 124 nmi Range	19/R	SDUS5i cccc N0R xxx	0.5
	19/R	SDUS2i cccc N1R xxx	1.3, 1.5
	19/R	SDUS2i cccc N2R xxx	2.4, 2.5
	19/R	SDUS3i cccc N3R xxx	3.1, 3.4, 3.5
Base Reflectivity – 248 nmi Range	94/DR	SDUS5i cccc N0Q xxx	0.5
	94/DR	SDUS5i cccc NAQ xxx	0.9
	94/DR	SDUS2i cccc N1Q xxx	1.3, 1.5
	94/DR	SDUS2i cccc NBQ xxx	1.8
	94/DR	SDUS2i cccc N2Q xxx	2.4, 2.5
	94/DR	SDUS2i cccc N3Q xxx	3.1, 3.4, 3.5
Base Reflectivity – 248 nmi Range	20/R	SDUS7i cccc N0Z xxx	0.5
Base Radial Velocity - 124 nmi Range	27/V	SDUS5i cccc N0V xxx	0.5
	27/V	SDUS7i cccc N1V xxx	1.3, 1.5
Base Radial Velocity - 162 nmi Range	99/DV	SDUS5i cccc N0U xxx	0.5
	99/DV	SDUS5i cccc NAU xxx	0.9
	99/DV	SDUS2i cccc N1U xxx	1.3, 1.5
	99/DV	SDUS2i cccc NBU xxx	1.8
	99/DV	SDUS2i cccc N2U xxx	2.4, 2.5
	99/DV	SDUS2i cccc N3U xxx	3.1, 3.4, 3.5

Digital Hybrid Scan Reflectivity	32/DHR	SDUS5i cccc DHR xxx	Elevation Angle Not Applicable
Composite Reflectivity 16 Data Levels – 124 nmi Range	37/CR	SDUS5i cccc NCR xxx	Elevation Angle Not Applicable
Echo Tops	41/ET	SDUS7i cccc NET xxx	Elevation Angle Not Applicable
Enhanced Echo Tops	135/EET	SDUS7i cccc EET xxx	Elevation Angle Not Applicable
Velocity Azimuth Display Wind Profile	48/VWP	SDUS3i cccc NVW xxx	Elevation Angle Not Applicable
Storm Relative Mean Radial Velocity	56/SRM	SDUS5i cccc N0S xxx	0.5
	56/SRM	SDUS2i cccc N1S xxx	1.3, 1.5
	56/SRM	SDUS2i cccc N2S xxx	2.4, 2.5
	56/SRM	SDUS3i cccc N3S xxx	3.1, 3.4, 3.5
Vertical Integrated Liquid	57/VIL	SDUS5i cccc NVL xxx	Elevation Angle Not Applicable
Digital Vertical Integrated Liquid	134/DVL	SDUS5i cccc DVL xxx	Elevation Angle Not Applicable
Free Text Message	75/FTM	NOUS6i cccc FTM xxx	Elevation Angle Not Applicable
Surface Rainfall Accumulation One Hour Running Total	78/OHP	SDUS3i cccc N1P xxx	Elevation Angle Not Applicable
Surface Rainfall Accumulation Storm Total	80/STP	SDUS5i cccc NTP xxx	Elevation Angle Not Applicable
Digital Precipitation Array	81/DPA	SDUS8i cccc DPA xxx	Elevation Angle Not Applicable
Digital Storm Total Precipitation	138/DSP	SDUS5i cccc DSP xxx	Elevation Angle Not Applicable
Mesocyclone	141/MD	SDUS3i cccc NMD xxx	Elevation Angle Not Applicable
Archive III Status Product	152/ASP	SDUS4i cccc RSL xxx	Elevation Angle Not Applicable

## TDWR products

PRODUCT	PRODUCT HEADERS		ELEVATION ANGLES (DEGREES)
	RPG HEADER	WMO HEADER	
General Status Message	2/GSM	NXUS6i cccc GSM xxx	Elevation Angle Not Applicable
Long Range Reflectivity – 225 nmi Range	186/DR	SDUS5i cccc TZL xxx	0.6
Base Reflectivity – 48 nmi Range	181/R	SDUS5i cccc TR0 xxx	0.1, 0.2, 0.3, 0.4, 0.5, 0.6, 0.8
	181/R	SDUS2i cccc TR1 xxx	1.0
	181/R	SDUS2i cccc TR2 xxx	1.6, 1.7, 1.8, 1.9, 2.0, 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 2.7, 2.8, 3.1, 3.3, 3.4, 3.7
Base Radial Velocity - 48 nmi Range	182/DV	SDUS5i cccc TV0 xxx	0.1, 0.2, 0.3, 0.4, 0.5, 0.6, 0.8
	182/DV	SDUS7i cccc TV1 xxx	1.0
	182/DV	SDUS7i cccc TV2 xxx	1.6, 1.7, 1.8, 1.9, 2.0, 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 2.7, 2.8, 3.1, 3.3, 3.4, 3.7
Digital Hybrid Scan Reflectivity	32/DHR	SDUS5i cccc DHR xxx	Elevation Angle Not Applicable
Composite Reflectivity 16 Data Levels – 124 nmi Range	37/CR	SDUS5i cccc NCR xxx	Elevation Angle Not Applicable
Echo Tops	41/ET	SDUS7i cccc NET xxx	Elevation Angle Not Applicable
Velocity Azimuth Display Wind Profile	48/VWP	SDUS3i cccc NVW xxx	Elevation Angle Not Applicable
Vertical Integrated Liquid	57/VIL	SDUS5i cccc NVL xxx	Elevation Angle Not Applicable
Free Text Message	75/FTM	NOUS6i cccc FTM xxx	Elevation Angle Not Applicable
Surface Rainfall Accumulation One Hour Running Total	78/OHP	SDUS3i cccc N1P xxx	Elevation Angle Not Applicable
Surface Rainfall Accumulation Storm Total	80/STP	SDUS5i cccc NTP xxx	Elevation Angle Not Applicable
Digital Precipitation Array	81/DPA	SDUS8i cccc DPA xxx	Elevation Angle Not Applicable
Digital Storm Total Precipitation	138/DSP	SDUS5i cccc DSP xxx	Elevation Angle Not Applicable
Mesocyclone	141/MD	SDUS3i cccc NMD xxx	Elevation Angle Not Applicable
Archive III Status Product	152/ASP	SDUS4i cccc RSL xxx	Elevation Angle Not Applicable