

**RADAR PRODUCTS AVAILABLE FROM RPCCDs**  
**(WSR-88D and TDWR PRODUCTS)**

UPDATED September 25, 2008

**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	20/R	SDUS7i cccc N0Z xxx	0.5
Base Radial Velocity - 32 nmi Range	25/V	SDUS6i cccc N0W 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
	27/V	SDUS6i cccc N2V xxx	2.4, 2.5
	27/V	SDUS6i cccc N3V xxx	3.1, 3.4, 3.5
Base Spectrum Width - 32 nmi Range	28/SW	SDUS6i cccc NSP xxx	0.5
Base Spectrum Width - 124 nmi Range	30/SW	SDUS6i cccc NSW xxx	0.5
Digital Hybrid Scan Reflectivity	32/DHR	SDUS5i cccc DHR xxx	Elevation Angle Not Applicable
Clutter Filter Control	34/CFC	SDUS6i cccc NCF xxx	Elevation Angle Not Applicable
Composite Reflectivity* 8 Data Levels – 248 nmi Range	36/CR	SDUS6i cccc NCO xxx	Elevation Angle Not Applicable
Composite Reflectivity 16 Data Levels – 124 nmi Range	37/CR	SDUS5i cccc NCR xxx	Elevation Angle Not Applicable
Composite Reflectivity 16 Data Levels – 248 nmi Range	38/CR	SDUS6i cccc NCZ xxx	Elevation Angle Not Applicable
Echo Tops	41/ET	SDUS7i cccc NET xxx	Elevation Angle Not Applicable
Severe Weather Probability*	47/SWP	SDUS6i cccc NWP 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
	56/SRM	SDUS3i cccc N3S xxx	3.1, 3.4
Vertical Integrated Liquid	57/VIL	SDUS5i cccc NVL xxx	Elevation Angle Not Applicable
Storm Tracking Information*	58/STI	SDUS6i cccc NST xxx	Elevation Angle Not Applicable
Hail Index*	59/HI	SDUS6i cccc NHI xxx	Elevation Angle Not Applicable
Mesocyclone*	60/M	SDUS6i cccc NME xxx	Elevation Angle Not Applicable
Tornadic Vortex Signature*	61/TVS	SDUS6i cccc NTV xxx	Elevation Angle Not Applicable
Storm Structure*	62/SS	SDUS6i cccc NSS xxx	Elevation Angle Not Applicable
Layer Composite Reflectivity Low Level	65/LRM	SDUS6i cccc NLL xxx	Elevation Angle Not Applicable
Layer Composite Reflectivity Middle Level	66/LRM	SDUS6i cccc NML xxx	Elevation Angle Not Applicable
Layer Composite Reflectivity With AP Removed	67/APR	SDUS6i cccc NLA 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 Three Hour Total	79/THP	SDUS6i cccc N3P 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
Supplemental Precipitation Data*	82/SPD	SDUS6i cccc SPD xxx	Elevation Angle Not Applicable
Layer Composite Reflectivity High Level	90/LRM	SDUS6i cccc NHL 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

\* Product is not transmitted when radar is operating in clear air mode

## 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
Storm Tracking Information	58/STI	SDUS6i cccc NST xxx	Elevation Angle Not Applicable
Hail Index	59/HI	SDUS6i cccc NHI xxx	Elevation Angle Not Applicable
Tornadic Vortex Signature	61/TVS	SDUS6i cccc NTV 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
Supplemental Precipitation Data	82/SPD	SDUS6i cccc SPD 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
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