NEXRAD/TDWR Level-III Products

Archived Level-III Products

NEXRAD and TDWR	NEXRAD Only	TDWR Only	Dual Pol. Only

AWIPS HEADER	PRODUCT CODE	DESCRIPTION	RANGE
GSM	2	General Status Message	N/A
FTM	5	Free Text Message	N/A
N0R	19	Base Reflectivity (lowest elev. angle)	124 nm
N1R	19	Base Reflectivity (second lowest elev. angle)	124 nm
N2R	19	Base Reflectivity (third lowest elev. angle)	124 nm
N3R	19	Base Reflectivity (fourth lowest elev. angle)	124 nm
N0Z	20	Base Reflectivity	248 nm
N0W	25	Base Velocity	32 nm
N0V	27	Base Velocity (lowest elev. angle)	124 nm
N1V	27	Base Velocity (second lowest elev. angle)	124 nm
N2V	27	Base Velocity (third lowest elev. angle)	124 nm
N3V	27	Base Velocity (fourth lowest elev. angle)	124 nm
NSP	28	Base Spectrum Width	32 nm
NSW	30	Base Spectrum Width	124 nm
DHR	32	Digital Hybrid Scan Reflectivity	124 nm
NCF	34	Clutter Filter Control	124 nm
NCO	36	Composite Reflectivity (8 Levels)	248 nm
NCR	37	Composite Reflectivity (16 Levels)	124 nm
NCZ	38	Composite Reflectivity (16 Levels)	248 nm
NET	41	Echo Tops	124 nm
NWP	47	Severe Weather Probability	124 nm
NVW	48	VAD Wind Profile	N/A
N0S	56	Storm Relative Velocity (lowest elev. angle)	124 nm
N1S	56	Storm Relative Velocity (second lowest elev. angle)	124 nm
N2S	56	Storm Relative Velocity (third lowest elev. angle)	124 nm
N3S	56	Storm Relative Velocity (fourth lowest elev. angle)	124 nm
NVL	57	Vertical Integrated Liquid	124 nm
NST	58	Storm Tracking Information	186 nm

NHI	59	Hail Index	124 nm
NME	60	Mesocyclone	124 nm
NTV	61	Tornadic Vortex Signature	124 nm
NSS	62	Storm Structure	248 nm
NLL	65	Low Layer Composite Reflectivity	124 nm
NML	66	Mid Layer Composite Reflectivity	124 nm
RCM	74	Radar Coded Message	248 nm
N1P	78	One Hour Precipitation Total	124 nm
N3P	79	Three Hour Precipitation Total	124 nm
NTP	80	Storm Total Precipitation	124 nm
DPA	81	Digital Precipitation Array	124 nm
SPD	82	Supplemental Precipitation Data	N/A
NHL	90	High Layer Composite Reflectivity	124 nm
DVL	134	Digital Vertical Integrated Liquid	248 nm
EET	135	Enhanced Echo Tops	186 nm
DSP	138	Digital Storm Total Precipitation	124 nm
NMD	141	Digital Mesocyclone Detection Algorithm	124 nm
RSL	152	Radar Status Log	124 nm
N0X	159	Differential Reflectivity (approx. elev. angle: 0.5 deg)	162 nm
NAX	159	Differential Reflectivity (approx. elev. angle: 0.9 deg)	162 nm
N1X	159	Differential Reflectivity (approx. elev. angle: 1.5 deg)	162 nm
NBX	159	Differential Reflectivity (approx. elev. angle: 1.8 deg)	162 nm
N2X	159	Differential Reflectivity (approx. elev. angle: 2.4 deg)	162 nm
N3X	159	Differential Reflectivity (approx. elev. angle: 3.4 deg)	162 nm
N0C	161	Correlation Coefficient (approx. elev. angle: 0.5 deg)	162 nm
NAC	161	Correlation Coefficient (approx. elev. angle: 0.8 deg)	162 nm
N1C	161	Correlation Coefficient (approx. elev. angle: 1.5 deg)	162 nm
NBC	161	Correlation Coefficient (approx. elev. angle: 1.8 deg)	162 nm
N2C	161	Correlation Coefficient (approx. elev. angle: 2.4 deg)	162 nm
N3C	161	Correlation Coefficient (approx. elev. angle: 3.4 deg)	162 nm
N0K	163	Specific Differential Phase (approx. elev.: 0.5 deg)	162 nm
NAK	163	Specific Differential Phase (approx. elev.: 0.8 deg)	162 nm
N1K	163	Specific Differential Phase (approx. elev.: 1.5 deg)	162 nm

NBK	163	Specific Differential Phase (approx. elev.: 1.8 deg)	162 nm
N2K	163	Specific Differential Phase (approx. elev.: 2.4 deg)	162 nm
N3K	163	Specific Differential Phase (approx. elev.: 3.4 deg)	162 nm
N0H	165	Hydrometeor Classification (approx. elev.: 0.5 deg)	162 nm
NAH	165	Hydrometeor Classification (approx. elev.: 0.8 deg)	162 nm
N1H	165	Hydrometeor Classification (approx. elev.: 1.5 deg)	162 nm
NBH	165	Hydrometeor Classification (approx. elev.: 1.8 deg)	162 nm
N2H	165	Hydrometeor Classification (approx. elev.: 2.4 deg)	162 nm
N3H	165	Hydrometeor Classification (approx. elev.: 3.4 deg)	162 nm
N0M	166	Melting Layer (approx. elev. angle: 0.5 deg)	162 nm
NAM	166	Melting Layer (approx. elev. angle: 0.8 deg)	162 nm
N1M	166	Melting Layer (approx. elev. angle: 1.5 deg)	162 nm
NBM	166	Melting Layer (approx. elev. angle: 1.8 deg)	162 nm
N2M	166	Melting Layer (approx. elev. angle: 2.4 deg)	162 nm
N3M	166	Melting Layer (approx. elev. angle: 3.4 deg)	162 nm
OHA	169	One Hour Accumulation (One Hour Precipitation total (16 levels) with Dual Pol. algorithm)	124 nm
DAA	170	Digital Accumulation Array (One Hour Precipitation total (256 levels) with Dual Pol. algorithm)	124 nm
PTA	171	Storm Total Accumulation (Storm Total Precipitation total (16 levels) with Dual Pol. algorithm)	124 nm
DTA	172	Digital Storm Total Accumulation (Storm Total Precipitation total (256 levels) with Dual Pol. algorithm)	124 nm
DOD	174	One Hour Precipitation Difference = DAA(prod. 170)-N1P(prod. 78)	124 nm
DSD	175	Storm Total Precipitation Difference = DTA(prod. 172)-DSP(prod. 138)	124 nm
DPR	176	Instantaneous Precipitation Rate	124 nm
HHC	177	Hybrid Hydrometeor Classification	124 nm
TR[0-2]	181	TDWR Base Reflectivity	48 nm
TV[0-2]	182	TDWR Base Velocity	48 nm
TZL	186	TDWR Long Range Base Reflectivity (0.6 elev angle)	225 nm

Please see the NCDC Contact Page if you have questions or comments.