APPENDIX A

ACRONYMS AND ABBREVIATIONS

A/D	-Analog-to-Digital
AGL	-Above Ground Level
AP	-Anomalous Propagation
ARL	-Above Radar Level
ARTCC	-Air Route Traffic Control Center
ASOS	-Automated Surface Observing System
ASR-9	-Airport Surveillance Radar - 9
AWIPS	-Advanced Weather Interactive Processing System
BDDS	-Base Data Distribution System
BIT	-Built-In Test
BITE	-Build-In Test Equipment
BWER	-Bounded Weak Echo Region
CAPE	-Conditional Available Potential Energy
CLD	-Clutter Likelihood Doppler Product
CLR	-Clutter Likelihood Reflectivity Product
CODE	-Common Operations and Development Environment
COMET	-Cooperative Program for Operational Meteorology, Education and Training
CONUS	-Contiguous United States
CS	-Combined Shear Product
CSU/DSU	-Channel Service Unit/Data Service Unit
CR	-Composite Reflectivity Product
CWA	-County Warning Area
DAU	-Data Acquisition Unit
dB	-Decibel
DBV	-Integrated Terminal Weather System Digital Base Velocity Product
dBZ	-Radar Reflectivity Factor (Logarithmic Unit)
dBZ_e	-Decibels relative to an equivalent reflectivity factor
DCZ	-Deep Convergence Zone
DHR	-Digital Hybrid Scan Reflectivity Product
DOC	-Department of Commerce
DoD	-Department of Defense
DOT	-Department of Transportation
DPA	-Hourly Digital Precipitation One-Hour Array Product
DQA	-Data Quality Algorithm
DR	-Base Reflectivity Data Array Product
DSP	-Storm Total Rainfall Accumulation Product (Digital Storm Product)
DV	-Base Velocity Data Array Product
DVL	-High Resolution Digital Vertically Integrated Liquid Product

EET	-High Resolution Enhanced Echo Tops Product
EPRE	-Enhanced Precipitation Processing
ET	-Echo Tops Product
ETC	-Extra-tropical Cyclone
EVTS	-Elevated Tornadic Vortex Signature
EWT	-Environmental Wind Table
FAA	-Federal Aviation Administration
FMH	-Federal Meteorological Handbook
GUI	-Graphical User Interface
HCI	-Human Computer Interface
HDA	-Hail Detection Algorithm
HI	-Hail Index Product
HP	-High Precipitation (Supercells)
HSP	-Hardwired Signal Processor
HSR	-Hybrid Scan Reflectivity Product
I	-Analog In Phase
ICD	-Interface Control Document
I/O	-Input/output
ITWS	-Integrated Terminal Weather System
ITWSDBV	-Integrated Terminal Weather System Digital Base Velocity
LAN	-Local Area Network
LCL	-Lifting Condensation Level
LEWP	-Line Echo Wave Pattern
LLWAS	-Low Level Windshear Alert System
LOG	-Logarithmic
LP	-Low Precipitation (Supercell)
LRM	-Layer Composite Reflectivity (Maximum) Product
M	-Mesocyclone Product
MARC	-Mid Altitude Radial Convergence
MCC	-Mesocyclone Convective Complex
MCS	-Mesocyclone Convective System
MCV	-Mesoscale Convective Vortex
MD	-Mesocyclone Detection Product
MDA	-Mesocyclone Detection Algorithm
MESO	-Mesocyclone
MEHS	-Maximum Expected Hail Size
MHz	-MegaHertz
MLOS	-Microwave Line of Sight
MMI	-Man Machine Interface
MPDA	-Multiple PRF Dealiasing Algorithm

MPE -Multisensor Precipitation Estimator
MRU -Mesocyclone Rapid Update Product
MSCF -Master System Control Function

NCDC -National Climatic Data Center
NCEP -National Center for Environmental Prediction
ND -No Data
NEXRAD -Next Generation Weather Radar
NOAA -National Oceanic and Atmospheric Administration
NSSL -National Severe Storms Laboratory
NWS -NOAA's National Weather Service

OFCM -Office of the Federal Coordinator for Meteorological Services and Supporting Research
OHP -One-Hour Rainfall Accumulation Product
OPUP -Open System Principal User Processor
OSD -One-Hour Snow Depth Accumulation Product
OSI -Open Systems Interconnection
OSW -One-Hour Snow Water Equivalent Accumulation Product
OTR -One Time Request

PAT -Product Attributes Table
POH -Probability of Hail
POSH -Probability of Severe Hail
PRF -Pulse Repetition Frequency
PSP -Programmable Signal Processor
PUP -Principal User Processor

Q -Quadrature

R -Reflectivity Product
rf -Radio Frequency
RCS -Cross Section - Reflectivity Product
RDASC -RDA Status And Control
RDASOT -RDA System Operability Test
RDA -Radar Data Acquisition
RDASOT -RDA System Operability Test (Software)
REC -Radar Echo Classifier
RFC -River Forecast Center
RFD -Rear Flank Downdraft
RIJ -Real Inflow Jet
RIN -Rear Inflow Channel
RMS -Remote Monitoring Subsystem
ROC -Radar Operations Center
RPCCDS -Radar Product Central Collection Dissemination Service
RPG -Radar Product Generator
RPM -Revolutions Per Minute

RPS -Routine Product Set

S -Snow Water Equivalent
SAA -Snow Accumulation Algorithm
SBN -Satellite Broadcast Network
SCIT -Storm Cell Identification and Tracking Algorithm
SD -Snow Depth
SDU -Snow Depth (User Selectable)
SNR -Signal-to-Noise Ratio
SO -SuperOb Product
SPD -Supplemental Precipitation Data Product
SPS -Signal Processor Subsystem
SRM -Storm Relative Mean Radial Velocity (Map) Product
SRR -Storm Relative Mean Radial Velocity (Region) Product
SRV -Storm Relative Velocity Product
SS -Storm Structure Product
SSD -Storm Total Snow Depth Accumulation Product
SSW -Storm Total Snow Water Equivalent Accumulation Product
STI -Storm Tracking Information Product
STP -Storm Total Rainfall Accumulation Product
SW -Spectrum Width Product
SWA -Severe Weather Analysis Product
SWE -Snow Water Equivalent Product
SWP -Severe Weather Probability Product
SWR -Severe Weather Analysis – Reflectivity Product
SWS -Severe Weather Analysis – Radial Shear Product
SWU -Snow Water Equivalent (User Selectable) Product
SWV -Severe Weather Analysis - Velocity Product
SWW -Severe Weather Analysis - Spectrum Width Product

TAT -Task Attributes Table
TBSS -Three-Body Scatter Spike
TDA -Tornado Detection Algorithm
TDWR -Terminal Doppler Weather Radar
THP -Three-Hour Rainfall Accumulation Product
TOVER -Range Unfolding Overlay Threshold in RDA SPS Adaptation Data
TRU -Tornado Vortex Signature Rapid Update Product
TVS -Tornado Vortex Signature Product

UAM -User Alert Message Product
ULR -User Selectable Layer Composite Reflectivity Product
URC -Unit Radar Committee
USD -User Selectable Snow Depth Accumulation Product
USW -User Selectable Snow Water Equivalent Accumulation Product
USP -User Selectable Rainfall Accumulation Product
UTC -Universal Time (Coordinated)

V	-Mean Radial Velocity Product
VAD	-Velocity Azimuth Display Product
VCP	-Volume Coverage Pattern
VCS	-Cross Section – Velocity Product
VIL	-Vertically Integrated Liquid Water Product
VWP	-VAD Wind Profile Product
WAN	-Wide Area Network
WARP	-Weather and Radar Processor
WCCM	-Wideband Communications Control Module
WDSS	-Warning Decision Support System
WDTB	-Warning Decision Training Branch
WER	-Weak Echo Region
WG/DRMO	-Working Group for Doppler Radar Meteorological Observations
WSR-57	-Weather Surveillance Radar-1957
WSR-88D	-Weather Surveillance Radar-1988 Doppler
ZR, Z-R	-Reflectivity – Rain Rate
ZS, Z-S	-Reflectivity – Snowfall Rate