APPENDIX A - SECTION 2

MNEMONICS

Table A2-1 Symbol, Element, and Line Mnemonics

Use Code:

1 = Formatted binary or satellite element mnemonic (appearing in Mode 3/Submode 21 or 30).

2 = Formatted binary data block symbol mnemonic (appearing in Mode 3/ Submode 1).

3 = Vector graphic line mnemonic (appearing in Mode 1/Submode 4).

4 = Vector graphic symbol mnemonic (appearing in Mode 5/Submode 2).

5 = Gridded element mnemonic (appearing in Mode 3/Submode 21 and Mode 6/Submode 41 or 42).

6 = Formatted binary element mnemonic (appearing in Mode 3/Submode 22).

Mnemonic	Use	Description
A	2,4	Hail
ABA	6	Antenna Beam Azimuth
ABE	6	Antenna Beam Elevation
ABH	3,5	Absolute Humidity
ABN	6	Antenna Beam Notation
AC	2,4	Altocumulus
ACC	4	Anticyclonic Circulation Center
ACC	2,4	Altocumulus Castellanus (USAF only)
ACS	2/4	Altocumulus Standing Lenticular
ACZ	3	Anticyclonic Wind Shear Zone
AET	3,5	Aerosol Type
AG	3	Age
AGE	1,5	Snow Age
AH1-AH6	3	Arrowhead Style (6 styles)
ALB	1	Surface albedo
ALT	1,5	Altimeter Setting
AMI	6	Acquisition Mode Identification
AMX	1,5	Amount of Obscuration
ANC	4	Anticyclonic Circulation Center (USAF only)
AOA	3	Axis of Advection
AS	2,4	Altostratus
AUX	3	Auxiliary Upper Level Contour
AW	2,4	Hail Shower
AZR	1,5	Hail Diameter
BC	1	Barometric Characteristic
BCO-BC8	2,4	Barometric Characteristic Trace Code
BD	2,4	Blowing Dust/Sand
BDP	5	Boundary Layer Dewpoint Depression
BDS	2,4	Dust Storm/Sand Storm
BDT	3,5	Boundary Layer Top
BKN	2,4	Broken (Sky Condition)
BLK	1	WMO Block Number

BPOS	1	Beam position
BS	2,4	Blowing Snow
BSH	2,4	Blowing Snow-High
BSIZ	1	Box and mini-box sizes for Sounding data
BSL	2,4	Blowing Snow-Low
B11	3	Ceiling less than 1,000 ft and/or Visibility less than 1 mile (area outline)
CA	3,5	Cloud Amount
CD	3,5	Cloud Density
CAL	1	ICAO Call Letters
CAM	2,4	Cloud Amount Missing
CAT	3	Clear Air Turbulence Outline
CAO-CA9	2,4	Cloud Amount
CB	2,4	Cumulonimbus
CB3	2,4	Cumulonimbus without Anvil
CB9	2,4	Cumulonimbus with Anvil
CC	2,4	Cirrocumulus
CCT	3,5	Climatological Temperature
CCW	?	Climatological Wind
CDB	1,3,5	Cloud Base
CDP	4	Cold Pool
CDT	1,3,5	Cloud Top
CFA	3	Cold Front-Aloft
CFG	3	Cold Frontogenesis
CFS	3	Cold Front-Surface
CFX	3	Cold Frontolysis
CHA	1,5	High Cloud Amount
CHH	1,5	High Cloud Height
CHT	1	High Cloud Type
CI	2,4	Cirrus
CIG	1,3,5	Ceiling Height
CLA	1,5	Low Cloud Amount
CLH	1,5	Low Cloud Height
CLQ	6	Integrated Cloud Liquid
CLR	2,4	Clear (Sky Condition)
CLT	1	Low Cloud Type
CLW	3,5	Cloud Water
CMA	1,5	Middle Cloud Amount
CMH	1,5	Middle Cloud Height
CMT	1	Middle Cloud Height
CRF	1	Composite Reflectivity
CS	2,4	Cirrostratus
CT	1	Cloud Type
CTA	1,5	Total Cloud Amount (USAF only)
CTR	1	Counter
CU	2,4	Cumulus
CVA	3	Thunderstorm or Convective Area Outline
CVG	3	Convergence Area Outline
CVL	3	Convergence Line
CYC	4	Cyclonic Circulation Center
C1A	1,5	First Cloud Layer Amount
C1B	1,5	Contrail Base 1
C1C	1,5	Contrail Top 1
C1H	1,5	First Cloud Layer Height
C1T	1	First Cloud Layer Type
C2A	1,5	Second Cloud Layer Amount
C2B	1,5	Contrail Base 2
C2C	1,5	Contrail Top 2
C2H	1,5	Second Cloud Layer Height
C2T	1	Second Cloud Layer Type
C3A	1,5	Third Cloud Layer Amount

C3H	1,5	Third Cloud Layer Height
C3T	1	Third Cloud Layer Type
C33	3	Ceiling less than 3,000 ft and/or Visibility less than 3 miles (area outline)
D	2,4	Dust/Sand - Slight
DAY	1	Day of the Month
DD	2,4	Dust Devil
DFG	6	Digitally Filtered Ground clutter removal gates
DIP	6	Data Integration Period
DIR	1,5,6	Wind Direction
DIV	3,5	Divergence
DL1-DL7	3	Dashed Line (seven colors)
DPD	1,3,5	Dewpoint Depression
DPT	1,3,5,6	Dewpoint Temperature
DRY	3	Dry Line
DVL	3,5	D-Value
D10	3	Ceiling less than 10,000 ft (area outline)
ELV	6	Elevation (msl meters)
EPT	5	Equivalent Potential Temperature
ETP	1	Echo Tops
E1B	3,5	Contrail Engine Type 1, Base
E1I	3,5	Contrail Engine Type 1, Intensity
E1T	3,5	Contrail Engine Type 1, Top
E2B	3,5	Contrail Engine Type 2, Base
E2I	3,5	Contrail Engine Type 2, Intensity
E2T	3,5	Contrail Engine Type 2, Top
E3B	3,5	Contrail Engine Type 3, Base
E3I	3,5	Contrail Engine Type 3, Intensity
E3T	3,5	Contrail Engine Type 3, Top
E4B	3,5	Contrail Engine Type 4, Base
E4I	3,5	Contrail Engine Type 4, Intensity
E4T	3,5	Contrail Engine Type 4, Top
F	2,4	Fog/Ice Fog
FGD	6	Radial distance to center of first radar gate (meters)
FGH	6	Height (vertical) to center of first gate (meters)
FLAG	1	Flag
FNL	2,4	Funnel Cloud
FPH	2,4	Fog during past hour
FWD	3,5	Fallout Winds
GF	2,4	Ground Fog
GMH	6	Geometric heights
GPH	1,3,5,6	Geopotential Height
GST	1	Wind Gust
H	2,4	Haze
HFIL	3	Hatched Fills
HGT	1,3,5	Altitude (Height)
HI	4	High Pressure/Height Center
HR	1,6	Hour
HRN	4	Hurricane, Northern Hemisphere
HRS	4	Hurricane, Southern Hemisphere
HSS	3	Horizontal Speed Shear
HTF	3	Height Fall Area Outline
I	3	Icing
IAG	3,5	Ice Age
ICA	5	Rain Flag
ICB	3,5	Icing Base

ICD	3,5	Ice Edge
ICE	3	Ice Cover
ICG	3	Icing Area Outline
ICI	3,5	Icing Intensity
ICL	4	Clear Icing - Light
ICM	4	Clear Icing - Moderate
ICP	3,5	Icing Top
ICS	4	Clear Icing - Severe
ICT	4	Clear Icing - Trace
ICW	5	Cloud Water
ICY	3,5	Icing Type
ID	1	Identification of DMSP satellite
IDT	6	Instrument Dwell Time
IEF	5	Ice Edge
IF	2,4	Ice Fog (USAF only)
IHV	5	85 GHz Horizontal Polarity Variance
IIA	5	Ice Age
IIC	5	ICE Concentration
IML	4	Mixed Icing - Light
IMM	4	Mixed Icing - Moderate
IMS	4	Mixed Icing - Severe
IMT	4	Mixed Icing - Trace
INS	4	Shear/Instability Line
IP	2,4	Ice Pellets
IPW	2,4	Ice Pellet Shower
IPZ	2,4	Ice Prisms
IRA	5	Rain Rate
IRL	4	Rime Icing - Light
IRM	4	Rime Icing - Moderate
IRS	4	Rime Icing - Severe
IRT	4	Rime Icing - Trace
ISC	5	Surface Type
ISM	5	Soil Moisture
IST	5	Surface Temperature Over Land
ISW	5	Surface Wind Over Ocean
IWV	5	Water Vapor
IVH	3,5	Inversion Height
IVV	5	85 GHz Vertical Polarity Variance
JLH	1	Julian Hour
K	2,4	Smoke
L	2,4	Drizzle/Moderate Drizzle
L+	2,4	Heavy Drizzle
L-	2,4	Light Drizzle
LAT	1,6	Latitude
LES	3	Less than 2/8 Cloud Cover (area outline)
LO	4	Low Pressure/Height Center
LON	1,6	Longitude
LPH	2,4	Drizzle during past hour
LTG	2,4	Lightning
LWC	3,5	Liquid Water
L1A-L4A	1	Cloud Amount Layer 1-4 (4 layers) (USAF only)
L1H-1	1	Cloud Height Layer 1-4 (4 layers) (USAF only)
L1T-L4T	1	Cloud Type Layer 1-4 (4 layers) (USAF only)
MDV	3,5	Medium Range D-Value
MN	1,6	Minute
MNS	4	Minus Sign
MO	6	
MON	1	Month

MRV	*1*	*Mean Radial Velocity*
MSC	*1*	*Mesocyclone*
MW1-MW3	*1*	*Maximum Wind Level 1-3 (3 levels)*
MXR	*3,5*	*Mixing Ratio*
NRG	*6*	*Number of Range Gates*
NS	*2,4*	*Nimbostratus*
NSA	*6*	*Number of Spectral Averages*
NUL	*6*	*Null, or fields to be ignored*
OBS	*2,4*	*Obscured (Sky Condition)*
OFA	*3*	*Occluded Front-Aloft*
OFG	*3*	*Occluded Frontgenesis*
OFS	*3*	*Occluded Front-Surface*
OFX	*3*	*Occluded Frontolysis*
OHP	*1*	*1 Hour Precipitation Accumulation*
OPF	*6*	*Center operating frequency*
OVC	*2,4*	*Overcast (Sky Condition)*
OVV	*3,5*	*Omega/Vertical Velocity*
OZ	*1*	*Ozone*
PCT	*3,5*	*Precipitation Category*
PC3	*1*	*Pressure Characteristic - 3 hr*
PI	*3,5*	*Precipitation Intensity*
PKG	*1*	*Peak Gust*
PLS	*4*	*Plus Sign*
PNN	*6*	*Processing Node Name*
PP	*1,3*	*Barometric tendency (3-hour pressure change)*
PPP	*1,3*	*Sea Level Pressure*
PPW	*1,5,6*	*Precipitable Water*
PRP	*6*	*Pulse Repetition Period*
PRS	*1,5,6*	*Pressure*
PRST	*1*	*Tropopause Pressure*
PT	*3,5*	*Potential Temperature*
PVA	*3*	*Positive Vorticity Advection Line*
PWB	*2,4*	*Past Weather - Blowing Dust or Snow*
PWD	*3,5*	*Wind Direction (Reference Pi Grid)*
PWF	*2,4*	*Past Weather - Fog*
PWL	*2,4*	*Past Weather - Drizzle*
PWR	*2,4*	*Past Weather - Rain*
PWS	*2,4*	*Past Weather - Snow*
PWT	*2,4*	*Past Weather - Thunderstorm*
PWW	*2,4*	*Past Weather - Showers*
PWX	*1*	*Past Weather*
PY	*3,5*	*Precipitation Type*
QPF	*3,5*	*Quantitative Precipitation Forecast*
QQ1-QQ9	*4,6*	*Special Symbol 1-9 (defined by originator of product)*
QVC	*3,5*	*Q-Vector Convergence*
QVT	*3,5*	*Q-Vector*
R	*2,4*	*Rain/Moderate Rain*
R+	*2,4*	*Heavy Rain*
R-	*2,4*	*Light Rain*
RAM	*6*	*Radar Acquisition Mode*
RCS	*1*	*Cross Section Reflectivity*
RDG	*3*	*Ridge Axis*
REF	*1*	*Reflectivity*
REV #	*1*	*Orbit number*
RH	*3,5*	*Relative Humidity*
RMV	*6*	*Radar Mean Velocity*

RNL	6	Radar Noise Level estimate
RPH	2,4	Rain During Past Hour
RPW	6	Radar Pulse Width
RR	3,5	Rain Rate
RS	2,4	Rain and Snow Mixed
RSD	6	Radar Spectral Data values
RSI	6	Radar Sampling Interval
RSN	6	Radar Site Name
RSP	6	Radar Signal Power
RSW	2,4	Showers of Rain and Snow Mixed
RVV	6	Radar velocity variance
RW	2,4	Rain Showers
R06	1,3,5	6-Hour Precipitation Amount
R12	3,5	12-Hour Precipitation Amount
R24	1,3,5	24-Hour Precipitation Amount
S	2,4	Snow/Moderate Snow
S+	2,4	Heavy Snow
S-	2,4	Light Snow
SC	2,4	Stratocumulus
SCID	1	Satellite ID
SCT	2,4	Scattered (Sky Condition)
SD	1	Ship Direction (USAF Only)
SDD	1	Ship Direction
SDH	3,5	Ditch Headings
SDP	4	Subtropical Depression
SDR	3,5	Sea Direction
SDO-SD8	2,4	Ship Direction 0-8 (9 values: becalmed & 8 points of compass clockwise from NE)
SEC	1	Second
SFA	3	Stationary Front - Aloft
SFG	3	Stationary Frontogenesis
SFIL	3	Solid Fills
SFS	3	Stationary Front - Surface
SFX	3	Stationary Frontolysis
SG	2,4	Snow Grains (USAF only)
SGR	2,4	Snow Grains
SH	3,5	Specific Humidity
SHT	3,5	Sea Height
SIM	3,5	Soil Moisture
SKY	1,5	Sky Cover (Total Cloud Amount)
SL1-SL7	3	Solid Line 1-7 (7 colors)
SNC	3,5	Snow Cover
SNO	3,5	Snow Depth
SNR	6	Signal-to-noise ratios
SNW	3,5	Snow Water
SOA	3	Stationary Occluded Front - Aloft
SOS	3	Stationary Occluded Front - Surface
SOX	3	Stationary Occluded Frontolysis
SPD	1,3,5,6	Wind Speed
SPH	2,4	Snow During Past Hour
SPL	6	Minimum signal power used in scaling
SPW	6	Maximum signal power used in scaling
SQL	2,4	Squalls
SRM	1	Storm Relative Mean Radial Velocity
SRN	6	Software Revision Number
SRP	6	Standard Reporting Period
SS	1	Storm Structure
SSH	3,5	Swell Height
SSN	4	Subtropical Storm - Northern Hemisphere
SSP	3,5	Sea Period
SSS	1,3,5	Sea Surface Temperature

ST	2,4	Stratus
STF	3,5	Stream Function Value
STI	1	Storm Tracking Information
STM	3,5	Streamline
STN	1	WMO Station Number
STP	1	Storm Total Precipitation Accumulation
SV	1	Ship Speed (USAF only)
SVH	6	Maximum spectral value over all spectra
SVL	6	Minimum spectral value over all spectra
SVV	1	Ship Speed
SW	2,4	Snow Showers
SWD	3,5	Swell Direction
SWH	3,5	Wave Height
SWP	3,5	Swell Period
SWT	1,3,5	SWEAT Index
S06	1,3,5	6-Hour Snowfall Amount
T	2,4	Thunderstorm
TA	2,4	Thunderstorm with Hail
TBB	6	Brightness temperatures
TBE	3,5	Turbulence Base
TBI	3,5	Turbulence Intensity
TBL	4	Turbulence - Light
TBM	4	Turbulence - Moderate
TBS	4	Turbulence - Severe
TBT	3,5	Turbulence Top
TCN	4	Tropical Cyclone - Northern Hemisphere
TCS	4	Tropical Cyclone - Southern Hemisphere
TCU	2,4	Towering Cumulus
TCV	3,5	Thunderstorm Coverage
TDA	6	Number of time domain averages (coherent averages)
TDP	4	Tropical Depression
THK	3,5	Thickness
THP	1	Three Hour Precipitation Accumulation
THW	3,5	Total Water
TI	3,5	Thunderstorm Intensity
TIR	3,5	IR Transmissivity
TMP	1,3,5,6	Temperature
TMPB	1	Brightness Temperature
TMPM	1	Mean Temperature
TMPS	1	Skin (surface) temperature
TMPT	1	Tropopause temperature
TMT	3,5	Thunderstorms Max Tops
TPB	3,5	Brightness Temperature
TPH	2,4	Thunderstorm During Past Hour
TP1-TP3	1,3	Tropopause Level 1-3 (3 levels)
TPP	6	Tropopause height
TRO	3	Trough Axis
TRP	4	Triple Point
TRS	2,4	Thunderstorm with Rain and Snow Mixed
TRW	2,4	Thunderstorm with Rainshower
TR7	3	700 mb Temperature Ridge
TSD	6	Time Series Data
TSP	6	Number of time series points (= FFT points)
TSN	4	Tropical Storm - Northern Hemisphere
TSS	4	Tropical Storm - Southern Hemisphere
TSW	2,4	Thunderstorm with Snowshower
TTN	1,3,5	Minimum Temperature
TTX	1,3,5	Maximum Temperature
TVS	1	Tornado Vortex Signature
TXT	6	Informational text messages

UAM	*1*	*User Alert Message*
UWC	*5,6*	*U Wind Component*
VAB	*3,5*	*Volcanic Ash Base*
VAD	*1*	*Velocity Azimuth Display*
VAI	*3,5*	*Volcanic Ash Intensity*
VAT	*3,5*	*Volcanic Ash Top*
VGS	*6*	*Vertical inter-range gate spacing (center to center)*
VGW	*6*	*Vertical range gate width (meters)*
VIL	*1*	*Vertical Integrated Liquid*
VIR	*3,5*	*IR Visibility*
VIS	*1,3,5*	*Visibility*
VMC	*4*	*Vorticity Maximum*
VRT	*3,5*	*Vorticity*
VWC	*5,6*	*V Wind Component*
WBC	*4*	*Wind Barb - 100 knots*
WBI	*4*	*Wind Barb - 1 or 2 knots*
WBL	*4*	*Wind Barb - 50 knots .*
WBV	*4*	*Wind Barb - 5 knots*
WBX	*4*	*Wind Barb - 10 knots*
WDM	*2,4*	*Wind Direction Missing*
WET	*3*	*Non-Convective or Intermittent Precipitation (area outline)*
WFA	*3*	*Warm Front-Aloft*
WFG	*3*	*Warm Frontogenesis*
WFS	*3*	*Warm Front - Surface*
WFX	*3*	*Warm Frontolysis*
WMP	*4*	*Warm Pool*
WMIX	*1*	*Water vapor mixing ratio*
WNC	*2,4*	*Calm Wind*
WPH	*2,4*	*Showers During Past Hour*
WSM	*2,4*	*Wind Speed Missing*
WV	*5*	*Water Vapor*
WVD	*1*	*Wave Direction*
WVH	*1*	*Wave Height*
WW1	*1,5*	*Primary Present Weather*
WW2	*1,5*	*Secondary Present Weather*
WW34	*1,5*	*Tertiary Present Weather*
WWC	*6*	*W (vertical) wind component*
XTRA	*1*	*Spare elements or field (some data elements not returned by every satellite*
YR	*1*	*Year*
ZANL	*1*	*Zenith angle, local*
ZANS	*1*	*Zenith angle, solar*
ZL	*2,4*	*Freezing Drizzle*
ZPH	*2,4*	*Freezing Precipitation During Last Hour*
ZR	*2,4*	*Freezing Rain*
ZZ1-ZZ9	*1,3,5,6*	*Special Parameter 1-9 (9 parameters)*

Table A2-2. Data Block Data Code with Corresponding Mnemonics

NOTE: Formatted binary products originating from the USAF do not use mnemonics in the formatted binary data block (Use Code 2 in Table A2-1). Certain formatted binary element mnemonics use a binary data block code, making data binary in Mode 3/Submode 1. The following shows the element description mnemonic (which could appear in Mode 3/Submode 21), the data block data code (which could then appear in Mode 3/Submode 1), and the mnemonic to which that data code corresponds.

	Data Description Mnemonic	Data Block Data Code	Corre-sponding Mnemonic
Barometric Characteristic	BC		
0 - Rising then falling		160	BCO
1 - Rising then steady		161	BC1
2 - Rising		162	BC2
3 - Falling or steady, then rising		163	BC3
4 - Steady		164	BC4
5 - Falling then rising		165	BC5
6 - Falling then steady		166	BC6
7 - Falling		167	BC7
8 - Steady or rising, then falling		168	BC8
Cloud Amount Total	CTA		
M - Missing		149	CAM
0 - No Clouds (Airways clear)		150	CAO,CLR
1 - One tenth		151	CA1
2 - Two to three tenths (Airways scattered)		152	CA2,SCT
3 - Four tenths		153	CA3
4 - Five tenths		154	CA4
5 - Six tenths		155	CA5
6 - Seven to eight tenths (Airways broken)		156	CA6,BKN
7 - Nine tenths		157	CA7
8 - Ten tenths (Airways overcast)		158	CA8,OVC
9 - Obscured		159	CA9,OBS

Present Weather

Present Weather (primary)	*WW1*
Present Weather (secondary)	*WW2*
Present Weather (tertiary)	*WW3*

No Weather Reportable	*000*	
Smoke	*004*	*K*
Haze	*005*	*H*
Dust/Sand	*006*	*D*
Blowing Dust/Sand	*007*	*BD*
Dust Devil	*008*	*DD*
Lightning	*013*	*LTG*
Thunderstorm	*017*	*T*
Squalls	*018*	*SQL*
Funnel Cloud	*019*	*FNL*
Drizzle during past hour	*020*	*LPH*
Rain during past hour	*021*	*RPH*
Snow during past hour	*022*	*SPH*
Freezing precipitation during last hour	*024*	*ZPH*
Showers during past hour	*025*	*WPH*
Fog during past hour	*028*	*FPH*
Thunderstorm during past hour	*029*	*TPH*
Dust Storm/Sand Storm	*031*	*BDS*
Blowing Snow	*038*	*BS*
Ground Fog	*044*	*GF*
Fog	*045*	*F*
Ice Fog	*049*	*IF*
Drizzle, light	*051*	*L-*
Drizzle, moderate	*053*	*L*
Drizzle, heavy	*055*	*L+*
Freezing Drizzle	*056*	*ZL*
Rain, light	*061*	*R-*
Rain, moderate	*063*	*R*
Rain, heavy	*065*	*R+*
Freezing Rain	*066*	*ZR*
Rain and Snow Mixed	*068*	*RS*
Snow, light	*071*	*S-*
Snow, moderate	*073*	*S*
Snow, heavy	*075*	*S+*
Ice Prisms	*076*	*IPZ*
Snow Grains	*077*	*SG, SGR*
Ice Pellets	*079*	*IP*
Rain Showers	*080*	*RW*
Showers of Rain and Snow Mixed	*083*	*RSW*
Snow Showers	*085*	*SW*
Ice Pellet Shower	*087*	*IPW*
Hail Shower	*089*	*AW*
Thunderstorm with Rainshower	*093*	*TRW*
Thunderstorm with Snowshower	*094*	*TSW*
Thunderstorm with Rain and Snow Mixed	*095*	*TRS*
Thunderstorm with Hail	*096*	*TA*

Cloud Type

Cloud Type Layer 1	*L1T*
Cloud Type Layer 2	*L2T*
Cloud Type Layer 3	*L3T*
Cloud Type Layer 4	*L4T*

Cloud Type (layer 1 - 4) Codes

Cumulus (low cloud 1,8)		*111*	*CU*
Towering Cumulus (low cloud 2)		*112*	*TCU*
Cumulonimbus without Anvil (low cloud 3)		*113*	*CB,CB3*
Stratocumulus (low cloud 4,5)		*114*	*SC*
Stratus (low cloud 6,7)		*116*	*ST*
Cumulonimbus with Anvil (low cloud 9)		*119*	*CB,CB9*
Altostratus (middle cloud 1)		*121*	*AS*
Nimbostratus (middle cloud 2)		*122*	*NS*
Altocumulus (middle Cloud 3,5,6,7,9)		*123*	*AC*
Altocumulus Standing Lenticular (middle cloud 4)		*124*	*ACS*
Altocumulus Castellanus (middle cloud 8)		*128*	*ACC*
Cirrus (high cloud 1,2,3,4)		*131*	*CI*
Cirrostratus (high cloud 5,6,7,8)		*135*	*CS*
Cirrocumulus (high cloud 9)		*139*	*CC*
Past Weather	*PWX*		
Blowing dust or snow		*103*	*PWB*
Fog		*104*	*PWF*
Drizzle		*105*	*PWL*
Rain		*106*	*PWR*
Snow		*107*	*PWS*
Showers		*108*	*PWW*
Thunderstorm		*109*	*PWT*
Ship Direction	*SD*		
Becalmed		*170*	*SDO*
NE		*171*	*SD1*
E		*172*	*SD2*
SE		*173*	*SD3*
S		*174*	*SD4*
SW		*175*	*SD5*
W		*176*	*SD6*
NW		*177*	*SD7*
N		*178*	*SD8*
Missing Wind Direction		*186*	*WDM*
Missing Wind Speed		*188*	*WSM*

APPENDIX A - SECTION 2

MNEMONICS

Table A2-3. Other Mnemonics Used in this Document

AFGWC	*Air Force Global Weather Central*
ANSI	*American National Standards Institute*
ASCII	*American Standard Code for Information Interchange*
AWS	*Air Weather Service*
A/N	*Alphanumeric*
BI	*Band Index*
CPC	*Calcomp Pen Command*
CPU	*Central Processing Unit*
DB	*Data Blocks*
DDB	*Data Description Block*
EOM	*End of Map*
EOS	*End of Scan*
ETB	*End of Text Block*
ETX	*End of Text*
FAA	*Federal Aviation Administration*
FF	*Flag (2-bit indicator)*
GI	*Grid Indicator*
GMT	*Greenwich Mean Time*
GV	*Grid Value*
H	*Hemisphere*
ICAO	*International Civil Aviation Organization*
IDV	*Initial Direction (Vector)*
I/J	*Cartesian Coordinate Set (reference earth surface)*
IL	*Increment Length (Vector)*
IPOLE/JPOLE	*Grid Coordinates of the North or South Pole*
LAT/LON	*Latitude/Longitude Coordinates*
MC	*Multiplier Constant*
M/N	*Generalized Coordinate Set*
NIST	*National Institute of Standards and Technology*
NCHAR	*Number of Characters (in product title)*
NWS	*National Weather Service*
OCT	*Octant*

PDB	*Product Definition Block*
PI	*Projection (map) Indicator*
PI SET	*Projection Indicator Set. A code that defines the background geographic projection on which the transmitted product is valid. The PI SET provides the means by which products can be registered to geography.*
RE/D	*Effective Number of Grid Points from Pole to Equator*
VEV	*Variable Exception Vector*
WMO	*World Meteorological Organization*
XMAX	*Maximum Horizontal Size*
XROW/YCOL	*Pixel Coordinates for Scan Lines*
X/Y	*Pixel Coordinate Set (reference display area)*
YMAX	*Maximum Vertical Size*
Z	*Greenwich Mean Time (GMT)*
Z	*Zoom Disable Indicator*