APPENDIX I

Description of ASOS v2.80 Software Algorithms

Description TBD

(Provided by OS7)

Appendix II

V2.80 IMPLEMENTATION GROUP LISTS

GROUP 1: V2.80 XX OAT Sites

GROUP 2: Remaining NWS and FAA Sites

GROUP 1: V2.80 XX OAT SITES

SID	LOCATION	ST	AGN	S/L	STN_LAT	LCD	AWPAG_GRP	AWPAG_INST
ABE	Allentown	PA	NWS	C	40-39-03N	Y	1	
ABR	Aberdeen	SD	NWS	D	45-26-36N	Y	1	04/01/2003
AMA	Amarillo	TX	NWS	B	35-13-12N	Y	1	04/24/2003
AVP	Wilkes-Barre/Scranton	PA	NWS	C	41-20-20N	Y	1	04/03/2003
BOI	Boise	ID	NWS	C	43-34-00N	Y	1	04/03/2003
BOS	Boston	MA	NWS	A	42-21-38N	Y	1	
ERI	Erie	PA	NWS	C	42-04-48N	Y	1	03/12/2003
FCA	Kalispell	MT	NWS	D	48-18-15N	Y	1	
GRB	Ashwaubenon	WI	NWS	C	44-28-46N	Y	1	04/23/2003
LAN	Lansing	MI	NWS	B	42-46-49N	Y	1	04/14/2003
MCN	Macon	GA	NWS	C	32-41-16N	Y	1	02/27/2003
MKG	Muskegon	MI	NWS	B	43-10-16N	Y	1	
MOB	Mobile	AL	NWS	B	30-41-18N	Y	1	
PWM	Portland	ME	NWS	C	43-38-32N	Y	1	04/15/2003
SPI	Springfield	IL	NWS	C	39-50-43N	Y	1	03/03/2003
TRI	Bristol/Johnson/Kingsport	TN	NWS	A	36-28-47N	Y	1	04/02/2003

EXAMPLE

Group 2:Remaining NWS and FAA Sites

TBD

EXAMPLE

APPENDIX III

ASOS Implementation Data Base Reports

For

For V2.80

- ASOS Sensor Configuration Report
- ASOS Port Configuration Report
- ASOS Sensor Firmware Version Report
- ASOS Implementation Status Report

ASOS SENSOR CONFIGURATION REPORT

DATE: 11-06-02

SID	LOCATION	ST	S/W VER	ACU S/W DATE	ACU/ UPS	DCP/ UPS	DCP 1-SENSORS STAT	CPUS	SIO	UPS	A/D	PORTS 1-2	1-3	1-4	2-1	2-2	2-3	2-4	3-1	3-2	3-4	4-1	4-2	4-3	4-4	5-1	5-2	DCP 2-SENSORS STAT	CPUS	SIO	UPS	A/D	PORTS 1-2	1-3	1-4	DCP 3-SENSORS STAT	CPUS	SIO	UPS	A/D	PORTS 1-2	1-3	1-4	P1	P2	P3	LOCAL SENSORS 1	2	3	4	5	6	7	8	9	10	11	12	13	ACU/DCP COMM
1V4	St. Johnsbury	VT	2.6A	09/28/01			D	1	1	0	1																	D	1	1	0	1				D	1	1	0	1				X	X		WS	TD	TB											PH I RADIO
2WX	Buffalo	SD	2.6				D	0	0	0	0																	D	0	0	0	0				D	0	0	0	0				X	X		TD	WS	TB											PH I RADIO
4OJ	Perry - Foley Airport	FL	2.6				E	1	2	0	1				TB	WS	TD											D	0	0	0	0				D	0	0	0	0				X	X																PH I RADIO
6R6	Terrell County Airport	TX	2.6				D	0	0	0	0																	D	0	0	0	0				D	0	0	0	0				X	X					TB	WS	TD									PH I RADIO
79J	Andalusia Municipal Airport	AL	2.6		SOLA	SOLA	E	2	3	1	2	C1	FR	PW	TB	WS	TD	V1		TS								D	0	0	0	0				D	0	0	0	0				X	X	X														PH II RADIO
87Q	Point Piedras Blancas	CA	2.6				D	0	0	0	0																	D	0	0	0	0				D	0	0	0	0				X	X		TB	WS	TD											PH I RADIO
8D3	Sisseton Municipal Airport	SD	2.6				E	1	2	0	1				TB	WS	TD											D	0	0	0	0				D	0	0	0	0				X	X																PH II RADIO
9V9	Chamberlain Municipal Airport	SD	2.6				D	0	0	0	0																	D	0	0	0	0				D	0	0	0	0				X	X		TD	WS	TB											PH I RADIO
AAF	Apalachicola Municipal Airport	FL	2.6			SOLA	E	1	2	1	1	C1		PW	TB	WS	TD	V1										D	0	0	0	0				D	0	0	0	0				X	X																PH II RADIO
AAO	Colonel James Jabara Airport	KS	2.6				E	1	2	0	1	C1	FR	PW	TB	WS	TD	V1										D	0	0	0	0				D	0	0	0	0				X	X																PH II RADIO
AAT	Alturas Municipal Airport	CA	2.6				E	1	2	0	1	C1		PW	TB	WS	TD	V1										D	0	0	0	0				D	0	0	0	0				X	X																PH I RADIO
ABE	Lehigh Valley Int'l. Airport	PA	2.62	12/19/01	SOLA	SOLA	E	2	4	1	2			PW		WS	TD	V1		C1	C3	TB						D	0	0	0	0				D	0	0	0	0				X	X	X															PH II RADIO
ABI	Abilene Regional Airport	TX	2.6		SOLA	CPI	E	2	4	1	2		FR	PW		WS	TD	V1		C3	C1	TB						D	0	0	0	0				D	0	0	0	0				X	X	X															PH I RADIO
ABQ	Albuquerque Int'l. Sunport Airport	NM	2.6		SOLA	SOLA	E	2	4	1	2			PW		WS	TD	V1	V3	C1	C3	TB						D	0	0	0	0				D	0	0	0	0				X	X	X															PH II RADIO
ABR	Aberdeen Regional Airport	SD	2.6		SOLA	SOLA	E	2	4	1	2		FR	PW	TB	WS	TD	V1		C1	C3							D	0	0	0	0				D	0	0	0	0				X	X	X															PH II RADIO
ABY	Southwest Georgia Regional Airport	GA	2.6		SOLA	CPI	E	2	2	1	1	C1		PW	TB	WS	TD	V1										D	0	0	0	0				D	0	0	0	0				X	X	X															PH I RADIO
ACK	Nantucket Memorial Airport	MA	2.6		SOLA		E	2	2	0	1	C1	FR	PW	TB	WS	TD	V1										D	0	0	0	0				D	0	0	0	0				X	X	X															PH I RADIO
ACT	Waco Regional Airport	TX	2.6		SOLA	CPI	E	2	2	1	1	C1		PW	TB	WS	TD	V1										D	0	0	0	0				D	0	0	0	0				X	X	X															PH II RADIO
ACV	Arcata Airport	CA	2.6		DELT	SOLA	E	2	2	1	1	C1		PW	TB	WS	TD	V1										D	0	0	0	0				D	0	0	0	0				X	X	X															PH II RADIO
ACY	Atlantic City Int'l. Airport	NJ	2.6		SOLA		E	2	2	0	1	C1		PW	TB	WS	TD	V1										D	0	0	0	0				D	0	0	0	0				X	X	X															PH II RADIO
ADG	Lenawee County Airport	MI	2.6				E	1	2	0	1	C1		PW	TB	WS	TD	V1										D	0	0	0	0				D	0	0	0	0				X	X																PH II RADIO
ADQ	Kodiak Airport	AK	2.6		SOLA	SOLA	E	2	2	1	1	C1	FR	PW	TB	WS	TD	V1										D	0	0	0	0				D	0	0	0	0				X	X	X															PH II RADIO
AEX	Alexandria Int'l. Airport	LA	2.6		SOLA	CPI	E	2	2	1	1	C1	FR	PW	TB	WS	TD	V1										D	0	0	0	0				D	0	0	0	0				X	X	X															PH I RADIO
AFAC1	Bullseye Aux Airfield	CO	2.6		SOLA		D	1	1	0	1																	D	1	1	0	1				D	1	1	0	1				X	X	X	C1	FR	PW	TB	WS	TD	V1	TS						PH I RADIO
AFN	Jaffrey - Silver Ranch Airport	NH	2.6		SOLA	CPI	E	1	2	1	1	C1	FR	PW	TB	WS	TD	V1										D	0	0	0	0				D	0	0	0	0				X	X																PH II RADIO
AFW	Fort Worth Alliance Airport	TX	2.6		SOLA	CPI	E	2	2	1	1	C1		PW	TB	WS	TD	V1										D	0	0	0	0				D	0	0	0	0				X	X	X															PH I RADIO
AGC	Allegheny County Airport	PA	2.6		DELT	SOLA	E	2	2	1	1	C1	FR	PW	TB	WS	TD	V1										D	0	0	0	0				D	0	0	0	0				X	X	X															PH II RADIO
AGS	Augusta Regional at Bush Field	GA	2.6		SOLA	CPI	E	2	2	1	1	C1		PW	TB	WS	TD	V1										D	0	0	0	0				D	0	0	0	0				X	X	X															PH I RADIO
AHN	Athens/Ben Epps Airport	GA	2.6		SOLA	CPI	E	2	2	1	1	C1	FR	PW	TB	WS	TD	V1										D	0	0	0	0				D	0	0	0	0				X	X	X															PH I RADIO
AIA	Alliance Municipal Airport	NE	2.6				E	1	2	0	1	C1	FR	PW	TB	WS	TD	V1										D	0	0	0	0				D	0	0	0	0				X	X																PH I RADIO
AKH	Gastonia Municipal Airport	NC	2.6				E	1	2	0	1	C1		PW	TB	WS	TD	V1										D	0	0	0	0				D	0	0	0	0				X	X																PH II RADIO
AKN	King Salmon Airport	AK	2.6		SOLA	SOLA	E	2	2	1	1	C1	FR	PW	TB	WS	TD	V1										D	0	0	0	0				D	0	0	0	0				X	X	X															PH II RADIO
AKO	Colorado Plains Regional Airport	CO	2.6		SOLA	CPI	E	2	2	1	1	C1	FR	PW	TB	WS	TD	V1										D	0	0	0	0				D	0	0	0	0				X	X	X															PH I RADIO
AKQ	Wakefield Municipal Airport	VA	2.6		SOLA	SOLA	E	2	2	1	1	C1		PW	TB	WS	TD	V1										D	0	0	0	0				D	0	0	0	0				X	X	X															PH II RADIO
AKR	Akron Fulton Int'l. Airport	OH	2.6		SOLA		E	1	2	0	1	C1		PW	TB	WS	TD	V1										D	0	0	0	0				D	0	0	0	0				X	X																PH II RADIO
ALB	Albany Int'l. Airport	NY	2.63	03/28/02	SOLA	SOLA	E	2	2	1	1	C1		PW	TB	WS	TD	V1										D	0	0	0	0				D	0	0	0	0				X	X	X															PH II RADIO
ALI	Alice Int'l. Airport	TX	2.6		SOLA	SOLA	E	2	2	1	1	C1		PW	TB	WS	TD	V1										D	1	1	0	1				D	1	1	0	1				X	X	X															PH II RADIO
ALO	Waterloo Municipal Airport	IA	2.6		DELT	CPI	E	2	2	1	1	C1	FR	PW	TB	WS	TD	V1										D	0	0	0	0				D	0	0	0	0				X	X	X															PH I RADIO
ALS	San Luis Valley Regional Airport/Bergman Field	CO	2.6		SOLA	SOLA	E	2	3	1	1	C1		PW	TB	WS	TD	V1	TS									D	0	0	0	0				D	0	0	0	0				X	X	X															PH II RADIO
ALW	Walla Walla Regional Airport	WA	2.6		SOLA	CPI	E	2	2	1	1	C1		PW	TB	WS	TD	V1										D	0	0	0	0				D	0	0	0	0				X	X	X															PH I RADIO
AMA	Amarillo Int'l. Airport	TX	2.6		SOLA	SOLA	E	2	4	1	2		FR	PW		WS	TD	V1		C1	TB							D	0	0	0	0				D	0	0	0	0				X	X	X															PH II RADIO
AMG	Bacon County Airport	GA	2.6		SOLA	SOLA	E	2	2	1	1	C1		PW	TB	WS	TD	V1										D	0	0	0	0				D	0	0	0	0				X	X	X															PH II RADIO
AMW	Ames Municipal Airport	IA	2.6				E	1	2	0	1	C1		PW	TB	WS	TD	V1										D	0	0	0	0				D	0	0	0	0				X	X																PH I RADIO

ASOS Count: 975

SID: Site Location Identifier
ST: State
S/W VER: Software Version Used In Acquisition Control Unit (ACU)
ACU S/W DATE: Date Software Installed
ACU/UPS: Acquisition Control Unit Uninterruptible Power Supply (UPS)
DCP/UPS: Data Collection Package(DCP)Uninterruptible Power Supply (UPS)
DCP: Data Collection Package
STAT: Status D-Disabled, E-Enabled
CPUS: Number Of Central Processing Boards
SIO: Number Of Serial InPut/OutPut Boards
UPS: Number Of Uninterruptible Power Supplies
ACU/DCP COMM: Communications Method Between ACU & DCP
A/D: Number Of Analog To Digital Converters

Sensors:
C1: Primary Ceilometer
C2: Meteorological Discontinuity Ceilometer
C3: Backup Ceilometer
DT: Vaisala DTS1 Dewpoint Temperature
FP: All Weather Precipitation Accumulation Gauge
FR: Freezing Rain
P1: Pressure 1
P2: Pressure 2
P3: Pressure 3

PW: Present Weather
TB: Tipping Bucket Rain Gauge
TD: 1088 or H083 Ambient/Dew Point Temperature
TS: Lighting Detection
V1: Primary Visibility
V2: Meteorological Discontinuity Visibility
V3: Backup Visibility
WI: Ice Free Wind (Vaisala 425)
WS: Belfort Wind

ASOS PORT CONFIGURATION REPORT

DATE:11-06-02

SID	PORT NUM	FUNCTION	STATUS	BAUD RATE	PARITY	BITS	STOP BITS	HANDSHAKE	CONNECTION	MODEM SLOT	DIAL TYPE
XNA	2-1	ACU-DCP A	Enabled	2400	NONE	8	1	RTS/CTS	Radio		
XNA	2-2	Pressure 1	Enabled	2400	NONE	8	1	None	Hard-Wire		
XNA	2-3	OID-4 User 1	Enabled	2400	NONE	8	1	None	Phone	4	Tone
XNA	2-4	VOICE	Enabled	9600	NONE	8	1	None	Hard-Wire		
XNA	3-1	ACU-DCP B	Enabled	2400	NONE	8	1	RTS/CTS	Radio		
XNA	3-2	Pressure 2	Enabled	2400	NONE	8	1	None	Hard-Wire		
XNA	3-3	OID-5 User 2	Enabled	38400	NONE	8	1	None	Phone	5	Tone
XNA	3-4	OID-1 Local	Enabled	9600	NONE	8	1	None	Hard-Wire		
XNA	4-1	UPS	Enabled	9600	NONE	8	1	None	Hard-Wire		
XNA	4-2	Pressure 3	Enabled	2400	NONE	8	1	None	Hard-Wire		
XNA	4-3	GTA Radio	Enabled	1200	NONE	8	1	None	Hard-Wire		
XNA	4-4	OID-2 Secondary	Enabled	9600	NONE	8	1	None	Hard-Wire		
XNA	5-1	ADAS	Enabled	2400	NONE	8	1	Synchronous	Hard-Wire		
YIP	1-3	RVR	Disabled	2400	EVEN	7	1	None	Hard-Wire		
YIP	2-1	ACU-DCP A	Enabled	2400	NONE	8	1	RTS/CTS	Radio		
YIP	2-2	Pressure 1	Enabled	2400	NONE	8	1	None	Hard-Wire		
YIP	2-3	OID-4 User 1	Enabled	2400	NONE	8	1	None	Phone	4	Tone
YIP	2-4	VOICE	Enabled	9600	NONE	8	1	None	Hard-Wire		
YIP	3-1	ACU-DCP B	Enabled	2400	NONE	8	1	RTS/CTS	Radio		
YIP	3-2	Pressure 2	Enabled	2400	NONE	8	1	None	Hard-Wire		
YIP	3-3	OID-5 User 2	Enabled	38400	NONE	8	1	None	Phone	5	Tone
YIP	3-4	OID-2 Secondary	Enabled	9600	NONE	8	1	None	Hard-Wire		
YIP	4-1	UPS	Enabled	9600	NONE	8	1	None	Hard-Wire		
YIP	4-2	Pressure 3	Enabled	2400	NONE	8	1	None	Hard-Wire		
YIP	4-3	CVD-1	Enabled	1200	NONE	8	1	None	Leased	6	Tone
YIP	4-4	OID-1 Local	Enabled	2400	NONE	8	1	None	Leased	2	Tone
YIP	5-1	Printer	Enabled	9600	NONE	8	1	XON/XOFF	Leased	1	Tone
YIP	5-3	ADAS	Enabled	2400	NONE	8	1	Synchronous	Hard-Wire		

ASOS Count: 976

ASOS SENSOR FIRMWARE VERSION REPORT

DATE: 11-06-02

SID	CEIL	VIS	TA TD	PWX	WND	PRESS	FZRA	SNOW	HAIL	SUN	L PRECIP	TSTM
12N	0000.00	0000.00	2.46	0000.00	4.0	N/A	0000.00	SD		SS	N/A	0000.00
1V4	0000.00	0000.00	A92/F91	0000.00	4.0		0000.00	SD		SS		0000.00
2WX	0000.00	0000.00	B91/F91	0000.00	4.0	N/A	0000.00	SD		SS	N/A	0000.00
40J	0000.00	0000.00	0000.00	0000.00	0000.00	0000.00	0000.00	SD		SS	0000.00	0000.00
6R6	0000.00	0000.00	A92/F91	0000.00	4.00	N/A	0000.00	SD		SS	N/A	0000.00
79J	0002.46	0039.00	A92/F91	0003.64	0004.00	0000.00	0002.00	SD		SS	0000.00	0001.06
87Q	0000.00	0000.00	B91AF91	0000.00	4.0	N/A	0000.00	SD		SS	N/A	0000.00
8D3	0000.00	0000.00	A92/F91	0000.00	4.0	N/A	0000.00	SD		SS	N/A	0000.00
9V9	0000.00	0000.00	0000.00	0000.00	0000.00	0000.00	0000.00	SD		SS	0000.00	0000.00
AAF	0000.00	0000.00	0000.00	0000.00	0000.00	0000.00	0000.00	SD		SS	0000.00	0000.00
AAO	0002.46	0040.00	A92/F91	0003.64	0004.00	0000.00	0002.00	SD		SS	0000.00	0000.00
AAT	2.46"	039"	A92/F91	3.64"	4.0"	N/A"	"	"	"	"	N/A"	"
ABE	2.46"	040"	A92/F91	3.64	4.0	N/A	0000.00	SD		SS	N/A	0000.00
ABI	2.46	039	B91/F91	3.64	4.0	N/A	2	SD		SS	N/A	0000.00
ABQ	2.46.00	0040.00	B91/F91	0003.64	004.00	0000.00	0000.00	SD		SS	0000.00	0000.00
ABR	2.46	039	B91/F91	3.64	4.0	N/A	2	SD		SS	N/A	0000.00
ABY	0000.00	0000.00	0000.00	0000.00	0000.00	0000.00	0000.00	SD		SS	0000.00	0000.00
ACK	2.46"	040	A92/F91	3.64	4.0	N/A	2	SD		SS	N/A	0000.00
ACT	2.46	039	A92/F91	3.64	40	N/A	0000.00	SD		SS	N/A	0000.00
ACV	2.46	039	B91/F91	3.64	4.0	N/A	0000.00	SD		SS	N/A	0000.00
ACY	2.46	040	A92/F91	3.64	4.0	N/A	2	SD		SS	N/A	0000.00
ADG	2.46	040	A92/F91	3.64	4.0	N/A	2	SD		SS	N/A	0000.00
ADQ	2.46	039	A92/F91	3.64	4.00	N/A	2	SD		SS	N/A	0000.00
AEX	K.46	040"	A9K/F91	3.64	4.0	N/A	3	SD		SS	N/A	0000.00
AFAC1	0000.00	0000.00	0000.00	0000.00	0000.00	0000.00	0000.00	SD		SS	0000.00	0000.00
AFN	2.46	040	A92/F91	3.64	4.00	N/A	2	SD		SS	N/A	0000.00
AFW	2.46	040	B91AF91	3.64	4.0	N/A	2	SD		SS	N/A	0000.00
AGC	2.46	040	A92/F91	3.64	4.0	N/A	0000.00	SD		SS	N/A	0000.00
AGS	2.46	040	A92/F91	3.64	4.0	N/A	2	SD		SS	N/A	0000.00
AHN	0000.00	0000.00	0000.00	0000.00	0000.00	0000.00	0000.00	SD		SS	0000.00	0000.00
DAB	2.46	040	A92/F91	3.64	4.00	0000.00	0000.00	SD		SS	0000.00	0000.00

ASOS Count: 887

UPS: Number Of Uninterruptible Power Supplies
ACU/DCP COMM: Communications Method Between ACU & DCP
A/D: Number Of Analog To Digital Converters

Date: 11/27/02

AOMC Update 136

ASOS Implementation Status Report

SID	City	ST	NWS Region	Agency	Svr Lvl	Processor	Processor Installation	Previous ACU S/W	Previous Installed	ACU S/W	S/W Installed	Ta Sensor	Td Sensor	DTS1	IFW Installation	AWPAG Installation	ALDARS Turn-On
12N	Andover	NJ	E	NWS	C	Synergy	10/01/02	2.6		2.6A-3	10/01/02	H083	H083				
1V4	St. Johnsbury	VT	E	NWS	C	Synergy	09/28/01	2.6		2.6A-3	05/10/02	1088	1088				
2WX	Buffalo	SD	C	NWS	C	Xycom		2.6A-3	09/27/02	2.6	10/02/02	HO83	HO83				
6R6	Dryden	TX	S	NWS	C	Synergy	10/03/02	2.6		2.6A-3	10/03/02	1088	1088				
AAF	Apalachicola	FL	S	NWS	D	Xycom				2.6		1088	1088				
AAT	Alturas	CA	W	NWS	D	Xycom				2.6		1088	1088				
ABE	Allentown	PA	E	NWS	C	Xycom		2.62I	12/19/01	2.6	06/03/02	1088	1088				
ALB	Albany	NY	E	NWS	A	Xycom		2.6		2.63	03/28/02	1088	1088				
ARR	Chicago - Aurora	IL	C	FAA	C	Xycom				2.6		1088	1088				3/19/01 A
ASD	Slidell	LA	S	FAA	D	Synergy	01/29/02	2.6		2.6A-3	05/16/02	1088	1088				5/11/00 A
ATT	Austin (Camp Mabry)	TX	S	NWS	C	Synergy	08/12/02	2.6A-5	08/13/02	2.7A-3	11/20/02	1088	DTS1				
AUS	Austin (Bergstrom)	TX	S	FAA	C	Xycom		2.6		2.63	04/01/02	1088	1088				5/10/00 A
AVL	Asheville	NC	E	NWS	C	Xycom		2.6		2.62I	12/19/01	1088	1088				8/01/01 A
BDL	Windsor Locks	CT	E	NWS	A	Xycom				2.63	08/27/02	1088	1088				
BFF	Scottsbluff Heilig	NE	C	NWS	D	Xycom				2.6		1088	1088				
BGM	Binghamton	NY	E	NWS	C	Xycom		2.6		2.62I	12/12/01	HO83	HO83				10/01/02 A
BHM	Birmingham	AL	S	FAA	B	Xycom		2.6		2.63	04/16/02	1088	1088				
BIS	Bismark	ND	C	NWS	C	Synergy	01/22/02	2.6		2.6A-5	08/09/02	H083	DTS1				10/01/02 A
BLU	Blue Canyon	CA	W	NWS	D	Synergy	10/04/02	2.7A-1	10/04/02	2.7A-3	11/19/02	1088	1088		10/30/02		
BNA	Nashville	TN	S	NWS	A	Synergy	03/27/02	2.6		2.6A-3	03/27/02	1088	1088				
BOI	Boise	ID	W	NWS	C	Synergy	01/23/02	2.6		2.6A-5	08/12/02	1088	DTS1				
BRW	Barrow	AK	A	NWS	D	Xycom				2.6		1088	1088				
BTV	Burlington	VT	E	NWS	B	Synergy	09/03/02	2.7A-1	09/03/02	2.7A-3	11/19/02	1088	1088		09/13/02		
BUF	Buffalo	NY	E	NWS	A	Xycom		2.6		2.63	09/06/02	H083	H083				
BVE	Boothville	LA	S	NWS	C	Synergy	09/24/01	2.6V	09/24/01	2.6A-5	08/28/02	1088	1088				
CAK	Akron	OH	E	NWS	A	Xycom		2.6		2.62I	12/13/01	1088	1088				
CAO	Clayton	NM	S	NWS	D	Xycom				2.6		1088	1088				
CAR	Caribou	ME	E	NWS	D	Synergy	09/12/02	2.6		2.7A-1	09/12/02	1088	1088		09/26/02		
CDJ	Chillicothe	MO	C	NWS	C	Synergy	06/27/02	2.6		2.6A-3	06/27/02	1088	DTS1				
CHA	Chattanooga	TN	S	NWS	B	Xycom		2.6		2.62I	12/19/01	1088	1088				
CID	Cedar Rapids	IA	C	FAA	C	Xycom		2.6		2.63	03/21/02	HO83	HO83				03/08/01 A
CLE	Cleveland	OH	E	NWS	A	Synergy	05/15/02	2.6A-3	05/15/01	2.7A-3	11/13/02	1088	1088				
CMX	Hancock	MI	C	FAA	D	Synergy	11/26/02	2.6		2.7A-3	11/26/02	1088	1088				10/14/99 A
CNK	Concordia	KS	C	NWS	D	Synergy	09/12/02	2.7A-2	10/15/02	2.7A-3	11/07/02	1088	DTS1				
CSM	Clinton	OK	S	FAA	C	Xycom		2.6A-5	08/14/02	2.6	05/28/02	1088	1088				3/09/00 A
CUT	Custer	SD	C	NWS	D	Xycom				2.6		1088	1088				
CYS	Cheyenne	WY	C	NWS	C	Synergy	01/22/02	2.6A-3	04/12/02	2.6	08/21/02	1088	1088				11/01/02 A
CZZ	Campo	CA	W	NWS	C	Synergy	02/20/02	2.6		2.6A-3	05/24/02	1088	DTS1				
DFW	Dallas / Ft Worth	TX	S	NWS	A	Synergy	09/05/02	2.6		2.6A-3	09/05/02	H083	H083				
DMH	Baltimore	MD	E	NWS	C	Synergy	12/20/01	2.6		2.6A-3	07/02/02	1088	DTS1				
DSM	DesMoines	IA	C	NWS	A	Xycom		2.6		2.63	09/11/02	1088	1088				
ELP	El Paso	TX	S	NWS	B	Xycom		2.6		2.63	04/04/02	1088	1088				
ERI	Erie	PA	E	NWS	C	Xycom		2.6		2.62I	12/12/01	1088	1088				10/01/01 A
EYE	Indianapolis	IN	C	FAA	D	Synergy	01/22/02	2.6		2.6A-5	08/09/02	1088	1088				

APPENDIX IV

ASOS Operational Implementation Check List

For

Software Version # 2.80 (V2.80)

ASOS Planned Product Improvement
OI Check List - Part A

Planned Product Improvement: Software Version # 2.80 (V2.80)

Office completing this check list:_____ Date:_____

Item #	Item Description	OPR	Validation Date
2.1	**Pre- System Test (ST) Activities**		
A.	Submit RC for ST & obtain APMC approval to proceed	OST1/ OS12	
B.	Prepare ST plan & draft outline for ST report	OPS24	
C.	Identify ST locations & dates	OPS24	
D.	Initiate procurement/delivery of PPI test units to ST sites	OST1	
E.	Deliver logistic supplies & test equipment to ST sites	OPS12	
F.	Install PPI test units at ST sites	OPS12	
2.2	**ST Activities**		
A.	**Verify start date for ST**	**OPS22**	
B.	Complete ST data collection & analysis	OPS24	
C.	**Verify completion date for ST**	**OPS22**	
D.	Provide ST report to ACCB	OPS24	
2.3	**Pre-Operational Acceptance Test (OAT) Activities**		
A.	Submit RC to ACCB for OAT	OST1	
B.	OAT management decision by ACCB/APMC	OST1/ OS12/ OPS2	
C.	Prepare OAT plan	OPS24	
D.	Determine OAT locations and schedule	OPS24	
E.	Initiate procurement/delivery of OAT units	OST1	
F.	Coordinate OAT logistics support	OPS12	
G.	Coordinate OAT maintenance support	OPS12	
I.1.	OAT Documentation: Deliver MOD NOTE # 80 to OAT sites	OPS12	
I.2.	OAT Documentation: Deliver OAT procedures to OAT sites	OPS24	

I.3.	OAT Documentation: Deliver draft Release Notes to OAT sites	OPS22	
2.4 OAT Activities			
A.	**Verify start date for OAT**	**OPS22**	
B.	Complete OAT data collection and analysis	OPS24	
C.	Verify efficacy of draft OI plan	OPS24	
D.	**Verify Completion date for OAT**	**OPS22**	
E.	Provide OAT Report to ACCB	OPS24	
3.1 Pre- Operational Implementation (OI) Planning Activities			
A.	Prepare OI plan	OPS22	
B.	Prepare RC for OI	OST11	
C.	Full Scale Production Decision	OST11	
D.	OI Deployment Desision (DRR)	OST11	
E.	Identify OI locations	OPS22	
F.	Develop OI deployment/installation sequence strategy	OPS22	
3.2 Pre-OI Logistic Support Activities			
A.	Initiate procurement/delivery of OI production units to NLSC	OPS11	
B.	Execute and support logistic supply support strategy for OI production units	OPS12	
C.	Coordinate installation & maintenance of OI production units	OPS12	
3.3 Pre-OI Configuration Management Activities			
B.	Perform Functional Configuration Audit	OPS13	
C.	Perform Physical Configuration Audit	OPS13	
3.4 Pre-OI Operational Support Activities			
A.1.	Provide MOD NOTE # 80 to WFOs	OPS12	
A.2..	Provide Release Notes to WFOs	OPS22	
A.3.	Provide updates of appropriate NDS chapters to WFOs	OS7	
A.4.	Provide updates of ASOS Users' Guide and other appropriate user information materials to WFOs, FAA, DOD	OPS22	NA
A.5	Post V2.80 Implementation Plan to web page	OPS22	
B.1.	Provide maintenance training materials guidance to NWSTC	OPS12	
B.2.	Provide observer training materials	FAA ATP-310	NA
B.3.	Conduct local operator/maintenance training	WFOs	

C.	Provide pre-implementation user notification	OS7 \WFOs	
D.	**Verify completion of all pre-OI activities**	OPS22	
4.1	**Implementation Management Activities**		
A.	Implementation Management Decision	OST11	
4.2	**Acquisition Activities**		
A .	**Verify start date for Operational Implementation (OI)**	**OPS22**	
B.	Monitor & validate delivery of all production units to NLSC	OPS23	
C.	Stock production units and spare kits at NLSC	OPS14	
4.4	**OI Monitoring & Coordination Activities**		
B.1.	Begin routine maintenance monitoring	AOMC	
C.1.	Begin monitoring and reporting implementation status for all sites	AOMC	
C.2.	Begin monitoring implementation status reports and initiate coordination	OPS22	
D.	Issue post-implementation notification to affected users	OPS22	

ASOS Planned Product Improvement

Operational Implementation (OI) Check List - Part B

Planned Product Improvement: Software Version # 2.80 (V2.80)

Location (SID, Name, State):_____

Office completing this check list:_____ Date:_____

Item #	Item Description	OPR	Validation Date
4.2	**Acquisition Activities**		
D.	Requisition PPI production units and kits from NLSC as needed	WFO	
4.3	**OI Installation Activities**		
A.	Download files for NCDC archive	WFO	
B.	Ensure contractor performed site preparation activities are completed	OST11	
C.	Perform installation & checkout in accordance with MOD NOTE # 80	WFO	
4.4	**OI Monitoring & Coordination Activities**		
A.	Installation Notification	WFO	
B.2.	Begin 30-day monitoring & coordination	WFO	
B.3.	Begin 30-day monitoring & coordination	RFP	
B.4.	Begin 30-day monitoring & coordination	AOMC	
5.0	**Post OI Activities**		
A.	Operational Quality Control: Monitor ongoing meteorological performance	WFO	
B.1.	Ensure system changes are documented through EMRS	WFO	
B.2.	Ensure new EMRS data are documented in the CMIS	OPS13	
B.3.	Ensure CMIS documentation changes are entered into MIRS	OPS22	
C.	Dispose of old equipment in accordance with MOD NOTE # 80	WFO	
D.	Conduct climate continuity study (Begin 1-2 year study)	OS7	
E.	Prepare and deliver report on results of sensor continuity study	OS7	

Appendix V

Sample of EMRS Form A-26

ENGINEERING MANAGEMENT REPORTING SYSTEM
MAINTENANCE RECORD

Document Number
G 49978

General Information	1. Open Date	Time	2. Initials	3. Response Priority (check one)	4. Close Date	Time
	12/ 20 / 01	0730	DKR	O Immediate O Low O Routine ☒ Not Applicable	12 / 20 /01	1430

5. Description
INSTALL NEW DEWPOINT SENSOR IAW MOD NOTE 75

Equipment Information	6. Station ID	7. Equipment Code	8. Serial Number	9. TM	10. AT	11. How Mal.
	DMH	ATDP	T0807	M	M	999

12. *EQUIPMENT OPERATIONAL STATUS TIMES*	a. Fully Operational	b. Logistics Delay	Partly Operational	c. All Other	d. Logistics Delay	Not Operational	e. All Other
							1:00

13. *Parts Failure Information*

Block #	a. ASN	b. NSN	c. TM	d. AT	e. How Mal.	f. Qty.	g. Maint. Hrs.
1							
2							
3							
4							
5							

14. *Work Load Information*

Type	Staff Hrs.
a. Routine	
b. Non-routine	
c. Travel	3:00
d. Misc.	4:00
e. Overtime	

Miscellaneous Information	15. Maintenance Comments	16. Initials
	INSTALLED NEW DEWPOINT SENSOR	DKR

17. *SPECIAL PURPOSE REPORTING*	a. Mod. No.	b. Mod./Act./Deact.Dat	c.	d.	e.
	75	12/20/01			

18. *CONFIGURATION MGMT. REPORTING* *(use as directed)*	ASN	Vendor Part Number (New Part)	Serial Number (Old Part)	Serial Number (New Part)