

NOUS41 KWBC 151613  
PNSWSH

TECHNICAL IMPLEMENTATION NOTICE 04-47  
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC  
1215 PM EDT WED SEP 15 2004

TO: FAMILY OF SERVICES /FOS/ SUBSCRIBERS...NOAA WEATHER  
WIRE SERVICE /NWS/ SUBSCRIBERS...EMERGENCY MANAGERS  
WEATHER INFORMATION NETWORK /EMWIN/ SUBSCRIBERS...  
NOAAPORT SUBSCRIBERS...OTHER NATIONAL WEATHER SERVICE  
/NWS/ CUSTOMERS AND PARTNERS...NWS EMPLOYEES

FROM: JOSEPH FACUNDO  
CHIEF...OBSERVING SYSTEMS BRANCH  
OFFICE OF OPERATIONAL SYSTEMS

SUBJECT: AUTOMATED SURFACE OBSERVING SYSTEM /ASOS/  
COMMUNICATIONS TRANSFER FROM NATIONAL WEATHER  
SERVICE TO FEDERAL AVIATION ADMINISTRATION /FAA/...  
EFFECTIVE SEPTEMBER 15 2004

NOTE: THE FOLLOWING CHANGES HAVE NO IMPACT ON NOAA WEATHER WIRE  
SERVICE SUBSCRIBERS.

THIS IS THE LATEST MESSAGE IN A SERIES ON THIS SUBJECT. THE  
LAST TECHNICAL IMPLEMENTATION NOTICE /TIN/ ON THIS SUBJECT WAS  
TIN 4-39 TRANSMITTED ON JULY 14 2004.

THIS MESSAGE IS TO INFORM YOU OF THE EFFECTIVE DATE THE NATIONAL  
WEATHER SERVICE /NWS/ ADVANCED WEATHER INTERACTIVE PROCESSING  
SYSTEM /AWIPS/ TRANSMISSION PATH HAS BEEN DISCONNECTED AT THE  
NEXT AUTOMATED SURFACE OBSERVING SYSTEM /ASOS/ LOCATIONS.  
ADDITIONAL MESSAGES WILL BE ISSUED IMMEDIATELY WHEN THE AWIPS  
TRANSMISSION PATH HAS BEEN DISCONNECTED AT SUCCEEDING LOCATIONS.

THE LONG-LINE TRANSMISSION OF OBSERVATIONS FROM 40 FEDERAL  
AVIATION ADMINISTRATION /FAA/ SERVICE LEVEL A AND B ASOS  
LOCATIONS IS CURRENTLY IN TRANSITION FROM THE NWS AWIPS NETWORK  
COMMUNICATIONS PATHWAY TO THE FAA AUTOMATED WEATHER OBSERVING  
SYSTEM /AWOS/-ASOS DATA ACQUISITION SYSTEM /ADAS/ NETWORK  
COMMUNICATIONS PATHWAY. TRANSITION OF THESE ASOS...SCHEDULED  
THROUGH 2005...IS BEING DONE TO SUPPORT TRANSITION OF  
COMMUNICATIONS TRANSMISSION PATHWAY RESPONSIBILITY FROM NWS TO  
FAA AND TO SUPPORT FAA INTEGRATED WEATHER INFORMATION SYSTEM  
/ITWS/ ACQUISITION OF ASOS ONE MINUTE OBSERVATIONS.

THIS TRANSITION INVOLVES CONNECTION OF THESE ASOS FROM THE NWS  
AWIPS TRANSMISSION PATH TO THE FAA ADAS TRANSMISSION PATH  
FOLLOWED BY DISCONNECTION TO THE NWS AWIPS TRANSMISSION PATH.  
WHEN THE LATTER OCCURS...SELECT OBSERVATIONS FROM THESE ASOS  
LOCATIONS WILL BE TRANSMITTED LONG-LINE ONLY THROUGH THE FAA ADAS

NETWORK COMMUNICATIONS TRANSMISSION PATH.

ON WEDNESDAY SEPTEMBER 15 2004...THE FOLLOWING ASOS LOCATIONS  
TRANSITIONED NETWORK COMMUNICATION PATHWAYS FROM NWS AWIPS TO FAA  
ADAS:

SID	LOCATION	STATE	NWS AWIPS	TERMINATED
KBOS	BOSTON	MA	9/15/04	
KMSP	MINNEAPOLIS	MN	9/15/04	

WHEN THE NWS AWIPS TRANSMISSION PATH CONNECTION ENDS AT EACH  
LOCATION... SELECT OBSERVATIONS FOR THESE LOCATIONS WILL BE  
TRANSMITTED LONG-LINE FROM FAA TO NWS AND DISSEMINATED UNDER THE  
NEW WORLD METEOROLOGICAL ORGANIZATION /WMO/ HEADINGS/COLLECTIVES  
AND WILL NO LONGER BE AVAILABLE UNDER THE FORMER WMO  
HEADINGS/COLLECTIVES.

THIS CHANGE WILL AFFECT ASOS AVIATION ROUTINE WEATHER REPORTS  
/METAR/...AVIATION SELECTED SPECIAL WEATHER REPORTS  
/SPECI/...STANDARD HYDRO METEOROLOGICAL EXCHANGE FORMAT /SHEF/  
PRECIPITATION CRITERIA...SHEF HOURLY ACCUMULATION MESSAGES...  
DAILY SUMMARY MESSAGES /DSM/ AND MONTHLY SUMMARY MESSAGES /MSM/.

THE FOLLOWING WMO BULLETIN HEADING/COLLECTIVE CHANGES WILL OCCUR  
FOR THESE LOCATIONS:

METAR MESSAGES

ASOS SID	WMO HEADING OLD	WMO COLLECTIVE OLD	WMO COLLECTIVE NEW	WMO COLLECTIVE
KBOS	SAUS41 KBOX	SAUS80 KWBC	SAUS70 KWBC	
KMSP	SAUS43 KMPX	SAUS80 KWBC	SAUS70 KWBC	

SPECI MESSAGES

ASOS SID	WMO HEADING OLD	WMO COLLECTIVE OLD	WMO COLLECTIVE NEW	WMO COLLECTIVE
KBOS	SPUS41 KBOX	SPUS80 KWBC	SPUS70 KWBC	
KMSP	SPUS43 KMPX	SPUS80 KWBC	SPUS70 KWBC	

ASOS SHEF PRECIPITATION CRITERIA MESSAGE

ASOS SID	WMO HEADING OLD	WMO HEADING NEW	FAA HUB
KBOS	SRUS61 KBOX	SRUS27 KZBW	NASHUA
KMSP	SRUS63 KMPX	SRUS27 KZMP	MINNEAPOLIS

ASOS SHEF HOURLY ROUTINE MESSAGE

ASOS WMO HEADING WMO HEADING FAA HUB  
SID OLD NEW  
KBOS SRUS71 KBOX SRUS27 KZBW NASHUA  
KMSP SRUS73 KMPX SRUS27 KZMP MINNEAPOLIS

ASOS DAILY SUMMARY MESSAGE

ASOS WMO HEADING WMO HEADING FAA HUB  
SID OLD NEW  
KBOS CXUS41 KBOX CDUS27 KZBW NASHUA  
KMSP CXUS43 KMPX CDUS27 KZMP MINNEAPOLIS

ASOS MONTHLY SUMMARY MESSAGE

ASOS WMO HEADING WMO HEADING FAA HUB  
SID OLD NEW  
KBOS CSUS41 KBOX CSUS27 KZBW NASHUA  
KMSP CSUS43 KMPX CSUS27 KZMP MINNEAPOLIS

WE URGE ALL USERS WITH AUTOMATIC DECODERS TO REPROGRAM THEIR SYSTEMS NOW TO RECOGNIZE THE NEW BULLETIN HEADINGS FOR THESE ASOS OBSERVATIONS.

PLEASE BE ADVISED THAT DELIVERY OF THESE REPORTS AND MESSAGES TO NWS CUSTOMERS MAY BE DELAYED APPROXIMATELY 5 MINUTES DUE TO INCREASED COMMUNICATIONS HANDLING BETWEEN FAA AND NWS.

IF YOU HAVE ANY QUESTIONS ABOUT THESE CHANGES... PLEASE CONTACT:

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SILVER SPRING MARYLAND 20910  
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OR

ANTHONY ROBINSON  
OFFICE OF CLIMATE WATER AND WEATHER SERVICES  
W/OS12  
SILVER SPRING MARYLAND 20910  
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THIS AND OTHER NWS TECHNICAL IMPLEMENTATION NOTICES ARE AVAILABLE  
ONLINE AT /USE LOWER CASE LETTERS/:

[HTTP://WWW.NWS.NOAA.GOV/OM/NOTIF.HTM](http://www.nws.noaa.gov/om/notif.htm)

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