

NOUS41 KWBC 151615
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
OTHER CUSTOMERS OF NWS AVIATION DATA AND FORECASTS
NWS EMPLOYEES

FROM: JOSEPH FACUNDO
CHIEF...OBSERVING SYSTEMS BRANCH

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 04-39](#)
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
SYSTEMS...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 HEADER OLD	WMO COLLECTIVE OLD	WMO COLLECTIVE NEW
KBOS	SAUS41 KBOX	SAUS80 KWBC	SAUS70 KWBC
KMSP	SAUS43 KMPX	SAUS80 KWBC	SAUS70 KWBC

SPECI MESSAGES:

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

ASOS SHEF PRECIPITATION CRITERIA MESSAGE:

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

ASOS SHEF HOURLY ROUTINE MESSAGE:

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

ASOS DAILY SUMMARY MESSAGE:

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

ASOS MONTHLY SUMMARY MESSAGE:

ASOS SID	WMO HEADER OLD	WMO HEADER NEW	FAA HUB
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 FIVE MINUTES DUE TO INCREASED COMMUNICATIONS HANDLING BETWEEN FAA AND NWS.

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

DAVE MANNARANO
PHONE: 301-713-2093 X 103
EMAIL: DAVID.MANNARANO@NOAA.GOV

OR

ANTHONY ROBINSON
PHONE: 301-713-1373 X 110
EMAIL: ANTHONY.ROBINSON@NOAA.GOV

NATIONAL TECHNICAL IMPLEMENTATION NOTICES ARE ONLINE AT /USE LOWER CASE/:

[HTTPS://WWW.WEATHER.GOV/NOTIFICATION/ARCHIVE](https://www.weather.gov/notification/archive)

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