

NOUS41 KWBC 131732  
PNSWSH

TECHNICAL IMPLEMENTATION NOTICE 05-29  
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC  
130 PM EDT WED APR 13 2005

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 NWS TO FEDERAL AVIATION  
ADMINISTRATION /FAA/: EFFECTIVE APRIL 13 2005

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

THIS IS THE LATEST IN A SERIES OF TECHNICAL IMPLEMENTATION  
NOTICES /TIN/. THE LAST TIN ON THIS SUBJECT WAS TIN 05-03  
TRANSMITTED JANUARY 19 2005.

THIS MESSAGE LISTS THE EFFECTIVE DATE THE NWS ADVANCED WEATHER  
INTERACTIVE PROCESSING SYSTEM /AWIPS/ TRANSMISSION PATH WILL BE  
DISCONNECTED AT SPECIFIED ASOS LOCATIONS. ADDITIONAL MESSAGES  
WILL BE ISSUED WHEN THE AWIPS TRANSMISSION PATH HAS BEEN  
DISCONNECTED AT SUCCEEDING LOCATIONS.

LONG-LINE TRANSMISSION OF OBSERVATIONS FROM A GROUP OF 40 FAA  
SERVICE LEVEL A AND B ASOS LOCATIONS IS MOVING FROM NWS AWIPS  
NETWORK COMMUNICATIONS PATHWAY TO FAA AUTOMATED WEATHER OBSERVING  
SYSTEM /AWOS/-ASOS DATA ACQUISITION SYSTEM /ADAS/ NETWORK  
COMMUNICATION PATHWAY. MOVING THESE ASOSES... SCHEDULED THROUGH  
2006...ALSO SUPPORTS FAA INTEGRATED WEATHER INFORMATION SYSTEM  
/ITWS/ ACQUISITION OF ASOS ONE-MINUTE OBSERVATIONS.

THIS TRANSITION INVOLVES CONNECTION OF THESE ASOSES TO THE FAA  
ADAS TRANSMISSION PATH FOLLOWED BY DISCONNECTION FROM THE NWS  
AWIPS TRANSMISSION PATH. WHEN THE CHANGE OCCURS...SELECT  
OBSERVATIONS FROM THESE ASOS LOCATIONS WILL BE TRANSMITTED LONG-  
LINE ONLY THROUGH THE FAA ADAS NETWORK COMMUNICATIONS  
TRANSMISSION PATH. ON WEDNESDAY...APRIL 13 2005 THE FOLLOWING  
ASOS LOCATION TRANSITIONED NETWORK COMMUNICATION PATHWAYS FROM  
NWS AWIPS TO FAA ADAS:

SID LOCATION STATE NWS AWIPS TERMINATED

KPHX PHOENIX AZ 4/13/05

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

THIS CHANGE WILL AFFECT THE FOLLOWING ASOS OBSERVATIONS: 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 ARE WMO BULLETIN HEADINGS/COLLECTIVES CHANGES FOR PHOENIX...AZ:

#### METAR MESSAGES

ASOS SID	WMO HEADING OLD	WMO COLLECTIVE OLD	WMO COLLECTIVE NEW
KPHX	SAUS45 KPSR	SAUS80 KWBC	SAUS70 KWBC

#### SPECI MESSAGES

ASOS SID	WMO HEADING OLD	WMO COLLECTIVE OLD	WMO COLLECTIVE NEW
KPHX	SPUS45 KPSR	SPUS80 KWBC	SPUS70 KWBC

#### ASOS SHEF PRECIPITATION CRITERIA MESSAGE

ASOS SID	WMO HEADING OLD	WMO HEADING NEW	FAA HUB
KPHX	SRUS65 KPSR	SRUS27 KZAB	ALBUQUERQUE

#### ASOS SHEF HOURLY ROUTINE MESSAGE

ASOS SID	WMO HEADING OLD	WMO HEADING NEW	FAA HUB
KPHX	SRUS75 KPSR	SRUS27 KZAB	ALBUQUERQUE

ASOS DAILY SUMMARY MESSAGE

ASOS WMO HEADING WMO HEADING FAA HUB  
SID OLD NEW  
KPHX CXUS45 KPSR CDUS27 KZAB ALBUQUERQUE

ASOS MONTHLY SUMMARY MESSAGE

ASOS WMO HEADING WMO HEADING FAA HUB  
SID OLD NEW  
KPHX CSUS45 KPSR CSUS27 KZAB ALBUQUERQUE

USERS WITH AUTOMATIC DECODERS SHOULD 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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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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