

NOUS41 KWBC 131730
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
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 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 /TINS/.
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 ASOS SYSTEMS...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 HEADER OLD	WMO COLLECTIVE OLD	WMO COLLECTIVE NEW
KPHX	SAUS45 KPSR	SAUS80 KWBC	SAUS70 KWBC

SPECI MESSAGES:

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

ASOS SHEF PRECIPITATION CRITERIA MESSAGE:

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

ASOS SHEF HOURLY ROUTINE MESSAGE:

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

ASOS DAILY SUMMARY MESSAGE:

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

ASOS MONTHLY SUMMARY MESSAGE:

ASOS	WMO HEADER	WMO HEADER	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 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)

END
NNNN