

NOUS41 KWBC 191800  
PNSWSH

TECHNICAL IMPLEMENTATION NOTICE 05-03  
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC  
100 PM EST WED JAN 19 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 NATIONAL WEATHER SERVICE /NWS/ TO FEDERAL AVIATION ADMINISTRATION  
/FAA/...EFFECTIVE JANUARY 19 2005

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 04-47](#)  
TRANSMITTED ON SEPTEMBER 15 2004.

THIS MESSAGE IS TO INFORM YOU OF THE EFFECTIVE DATE THE 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...AND FROM 37  
FAA SERVICE LEVEL A AND B BUT MOSTLY C AND D ASOS LOCATIONS...IS 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 2006...IS BEING DONE TO SUPPORT TRANSITION OF  
COMMUNICATIONS TRANSMISSION PATHWAY RESPONSIBILITY FROM NWS TO FAA. IN  
ADDITION...THE TRANSITION OF THE 40 FAA SERVICE LEVEL A AND B LOCATIONS IS  
BEING DONE TO SUPPORT THE 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...JANUARY 19 2005...THE FOLLOWING ASOS LOCATIONS TRANSITIONED NETWORK COMMUNICATION PATHWAYS FROM NWS AWIPS TO FAA ADAS:

SID	LOCATION	STATE	NWS AWIPS TERMINATED
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KCLT	CHARLOTTE	NC	1/19/05
KISN	WILLISTON	ND	1/19/05

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 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 CHARLOTTE NC AND WILLISTON ND:

METAR MESSAGES:

ASOS			
SID	WMO HEADER OLD	WMO COLLECTIVE OLD	WMO COLLECTIVE NEW
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KCLT	SAUS42 KGSP	SAUS80 KWBC	SAUS70 KWBC
KISN	SAUS43 KBIS	SAUS80 KWBC	SAUS70 KWBC

SPECI MESSAGES:

ASOS			
SID	WMO HEADER OLD	WMO COLLECTIVE OLD	WMO COLLECTIVE NEW
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KCLT	SPUS42 KGSP	SPUS80 KWBC	SPUS70 KWBC
KISN	SPUS43 KBIS	SPUS80 KWBC	SPUS70 KWBC

ASOS SHEF PRECIPITATION CRITERIA MESSAGE:

ASOS	WMO HEADER	WMO HEADER	FAA HUB
SID	OLD	NEW	
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KCLT	SRUS62 KGSP	SRUS27 KZTL	ATLANTA
KISN	SRUS63 KBIS	SRUS27 KZMP	MINNEAPOLIS

ASOS SHEF HOURLY ROUTINE MESSAGE:

ASOS SID	WMO HEADER OLD	WMO HEADER NEW	FAA HUB
KCLT	SRUS72 KGSP	SRUS27 KZTL	ATLANTA
KISN	SRUS73 KBIS	SRUS27 KZMP	MINNEAPOLIS

ASOS DAILY SUMMARY MESSAGE:

ASOS SID	WMO HEADER OLD	WMO HEADER NEW	FAA HUB
KCLT	CXUS42 KGSP	CDUS27 KZTL	ATLANTA
KISN	CXUS43 KBIS	CDUS27 KZMP	MINNEAPOLIS

ASOS MONTHLY SUMMARY MESSAGE:

ASOS SID	WMO HEADER OLD	WMO HEADER NEW	FAA HUB
KCLT	CSUS42 KGSP	CSUS27 KZTL	ATLANTA
KISN	CSUS43 KBIS	CSUS27 KZMP	MINNEAPOLIS

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:

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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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