

NOUS41 KWBC 261845
PNSWSH

PUBLIC INFORMATION STATEMENT...TECHNICAL IMPLEMENTATION NOTICE 01-21
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC
245 PM EDT THU JUL 26 2001

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: ASOS COMMUNICATIONS TRANSFER FROM NATIONAL WEATHER SERVICE TO
FEDERAL AVIATION ADMINISTRATION

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

THE LONG-LINE TRANSMISSION OF OBSERVATIONS FROM 29 AUTOMATED SURFACE
OBSERVING SYSTEM /ASOS/ LOCATIONS IS CURRENTLY IN TRANSITION FROM THE
NATIONAL WEATHER SERVICES /NWS/ ADVANCED WEATHER INTERACTIVE PROCESSING
SYSTEM /AWIPS/ NETWORK TO THE FEDERAL AVIATION ADMINISTRATION /FAA/ AWOS-
ASOS DATA ACQUISITION SYSTEM /ADAS/ NETWORK. THIS TRANSITION INVOLVES
CONNECTION OF THESE ASOSSES TO THE FAA ADAS NETWORK WHERE AUTOMATED
LIGHTNING DETECTION AND REPORTING SYSTEM /ALDARS/ INFORMATION IS AVAILABLE
IN THE ASOS AVIATION ROUTINE WEATHER REPORT /METAR/ AND THE SELECTED
SPECIAL WEATHER /SPECI/ REPORT... FOLLOWED BY DISCONNECTION FROM THE NWS
AWIPS NETWORK. WHEN THE LATTER OCCURS... THE DATA FROM THESE ASOS
LOCATIONS WILL BE TRANSMITTED LONG-LINE ONLY THROUGH THE FAA ADAS NETWORK.

THIS MESSAGE IS TO INFORM YOU OF THE DATES WHEN THE AWIPS TRANSMISSION
PATH WILL BE DISCONNECTED AT THE FIRST 12 LOCATIONS. ADDITIONAL MESSAGES
WILL BE ISSUED WHEN AWIPS IS DISCONNECTED AT SUCCEEDING LOCATIONS.

SID	LOCATION	STATE	FAA ALDARS START	NWS AWIPS END
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KSUX	SIoux CITY	IA	6/22/01	7/27/01
KRBL	RED BLUFF	CA	7/12/01	7/27/01
KBFL	BAKERSFIELD	CA	7/12/01	7/27/01
KEUG	EUGENE	OR	7/24/01	7/31/01
KOLM	OLYMPIA	WA	7/24/01	7/31/01
KAVL	ASHEVILLE	NC	7/24/01	7/31/01
KILG	WILMINGTON	DE	7/25/01	8/01/01
KSPI	SPRINGFIELD	IL	7/25/01	8/01/01
KACT	WACO	TX	7/25/01	8/01/01
KAGS	AUGUSTA	GA	7/26/01	8/02/01
KSHR	SHERIDAN	WY	7/26/01	8/02/01
KCPR	CASPER	WY	7/26/01	8/02/01

WHEN THE NWS AWIPS CONNECTIVITY ENDS AT EACH LOCATION...ALL DATA TRANSMITTED LONG LINE FROM THAT LOCATION WILL APPEAR UNDER THE "NEW" WORLD METEOROLOGICAL ORGANIZATION /WMO/ HEADER/COLLECTIVES AND WILL NO LONGER BE AVAILABLE UNDER THE "OLD" WMO HEADERS/COLLECTIVES. THIS CHANGE WILL AFFECT THE ASOS ROUTINE AVIATION METEOROLOGICAL REPORT /METAR/...AVIATION SELECTED SPECIAL WEATHER REPORT /SPECI/...STANDARD HYDROMETEOROLOGICAL EXCHANGE FORMAT /SHEF/ PRECIPITATION CRITERIA AND HOURLY ACCUMULATION MESSAGES...THE DAILY SUMMARY MESSAGE /DSM/ AND THE MONTHLY SUMMARY MESSAGE /MSM/. THE FOLLOWING WMO BULLETIN HEADER/COLLECTIVE CHANGES WILL OCCUR FOR THESE 12 LOCATIONS:

METAR MESSAGES

ASOS SID	WMO HEADER OLD	WMO COLLECTIVE OLD	WMO COLLECTIVE NEW
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KACT	SAUS44 KFWD	SAUS80 KWBC	SAUS70 KWBC
KAGS	SAUS42 KCAE	SAUS80 KWBC	SAUS70 KWBC
KAVL	SAUS42 KGSP	SAUS80 KWBC	SAUS70 KWBC
KBFL	SAUS46 KHNX	SAUS80 KWBC	SAUS70 KWBC
KCPR	SAUS45 KRIW	SAUS80 KWBC	SAUS70 KWBC
KEUG	SAUS46 KMFR	SAUS80 KWBC	SAUS70 KWBC
KILG	SAUS41 KPHI	SAUS80 KWBC	SAUS70 KWBC
KOLM	SAUS46 KSEW	SAUS80 KWBC	SAUS70 KWBC
KRBL	SAUS46 KMTR	SAUS80 KWBC	SAUS70 KWBC
KSHR	SAUS45 KRIW	SAUS80 KWBC	SAUS70 KWBC
KSPI	SAUS43 KILX	SAUS80 KWBC	SAUS70 KWBC
KSUX	SAUS43 KDMX	SAUS80 KWBC	SAUS70 KWBC

SPECI MESSAGES

ASOS SID	WMO HEADER OLD	WMO COLLECTIVE OLD	WMO COLLECTIVE NEW
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KACT	SPUS44 KFWD	SPUS80 KWBC	SPUS70 KWBC
KAGS	SPUS42 KCAE	SPUS80 KWBC	SPUS70 KWBC
KAVL	SPUS42 KGSP	SPUS80 KWBC	SPUS70 KWBC
KBFL	SPUS46 KHNX	SPUS80 KWBC	SPUS70 KWBC
KCPR	SPUS45 KRIW	SPUS80 KWBC	SPUS70 KWBC
KEUG	SPUS46 KMFR	SPUS80 KWBC	SPUS70 KWBC
KILG	SPUS41 KPHI	SPUS80 KWBC	SPUS70 KWBC
KOLM	SPUS46 KSEW	SPUS80 KWBC	SPUS70 KWBC
KRBL	SPUS46 KMTR	SPUS80 KWBC	SPUS70 KWBC
KSHR	SPUS45 KRIW	SPUS80 KWBC	SPUS70 KWBC
KSPI	SPUS43 KILX	SPUS80 KWBC	SPUS70 KWBC
KSUX	SPUS43 KDMX	SPUS80 KWBC	SPUS70 KWBC

ASOS SHEF PRECIP CRITERIA MESSAGE

ASOS SID	WMO HEADER OLD	WMO HEADER NEW	EXISTING NWS PIL	FAA HUB
KACT	SRUS64 KFWD	SRUS27 KZFW	NKARR7ZFW	FT. WORTH
KAGS	SRUS62 KCAE	SRUS27 KZTL	NKARR7ZTL	ATLANTA
KAVL	SRUS62 KGSP	SRUS27 KZTL	NKARR7ZTL	ATLANTA
KBFL	SRUS66 KHNX	SRUS27 KZLA	NKARR7ZLA	LOS ANGELES
KCPR	SRUS65 KRIW	SRUS27 KZDV	NKARR7ZDV	DENVER
KEUG	SRUS66 KMFR	SRUS27 KZSE	NKARR7ZSE	SEATTLE
KILG	SRUS61 KPHI	SRUS27 KZNY	NKARR7ZNY	NEW YORK
KOLM	SRUS66 KSEW	SRUS27 KZSE	NKARR7ZSE	SEATTLE
KRBL	SRUS66 KMTR	SRUS27 KZOA	NKARR7ZOA	OAKLAND
KSHR	SRUS65 KRIW	SRUS27 KZLC	NKARR7ZLC	SALT LAKE CITY
KSPI	SRUS63 KILX	SRUS27 KZKC	NKARR7ZKC	KANSAS CITY
KSUX	SRUS63 KDMX	SRUS27 KZMP	NKARR7ZMP	MINNEAPOLIS

ASOS SHEF HOURLY ROUTINE MESSAGE

ASOS SID	WMO HEADER OLD	WMO HEADER NEW	EXISTING NWS PIL	FAA HUB
KACT	SRUS74 KFWD	SRUS27 KZFW	NKARR7ZFW	FT. WORTH
KAGS	SRUS72 KCAE	SRUS27 KZTL	NKARR7ZTL	ATLANTA
KAVL	SRUS72 KGSP	SRUS27 KZTL	NKARR7ZTL	ATLANTA
KBFL	SRUS76 KHNX	SRUS27 KZLA	NKARR7ZLA	LOS ANGELES
KCPR	SRUS75 KRIW	SRUS27 KZDV	NKARR7ZDV	DENVER
KEUG	SRUS76 KMFR	SRUS27 KZSE	NKARR7ZSE	SEATTLE
KILG	SRUS71 KPHI	SRUS27 KZNY	NKARR7ZNY	NEW YORK
KOLM	SRUS76 KSEW	SRUS27 KZSE	NKARR7ZSE	SEATTLE
KRBL	SRUS76 KMTR	SRUS27 KZOA	NKARR7ZOA	OAKLAND
KSHR	SRUS75 KRIW	SRUS27 KZLC	NKARR7ZLC	SALT LAKE CITY
KSPI	SRUS73 KILX	SRUS27 KZKC	NKARR7ZKC	KANSAS CITY
KSUX	SRUS73 KDMX	SRUS27 KZMP	NKARR7ZMP	MINNEAPOLIS

ASOS DAILY SUMMARY

ASOS SID	WMO HEADER OLD	WMO HEADER NEW	EXISTING NWS PIL	FAA HUB
KACT	CXUS44 KFWD	CDUS27 KZFW	NKADSMZFW	FT. WORTH
KAGS	CXUS42 KCAE	CDUS27 KZTL	NKADSMZTL	ATLANTA
KAVL *	CXUS42 KGSP	CDUS27 KZTL	NKADSMZTL	ATLANTA
KBFL	CXUS46 KHNX	CDUS27 KZLA	NKADSMZLA	LOS ANGELES
KCPR	CXUS45 KRIW	CDUS27 KZDV	NKADSMZDV	DENVER
KEUG	CXUS46 KMFR	CDUS27 KZSE	NKADSMZSE	SEATTLE
KILG	CXUS41 KPHI	CDUS27 KZNY	NKADSMZNY	NEW YORK
KOLM	CXUS46 KSEW	CDUS27 KZSE	NKADSMZSE	SEATTLE
KRBL *	CXUS46 KMTR	CDUS27 KZOA	NKADSMZOA	OAKLAND
KSHR	CXUS45 KRIW	CDUS27 KZLC	NKADSMZLC	SALT LAKE CITY
KSPI	CXUS43 KILX	CDUS27 KZKC	NKADSMZKC	KANSAS CITY
KSUX	CXUS43 KDMX	CDUS27 KZMP	NKADSMZMP	MINNEAPOLIS

ASOS MONTHLY SUMMARY MESSAGE

ASOS SID ----	WMO HEADER OLD -----	WMO HEADER NEW -----	EXISTING NWS PIL -----	FAA HUB -----
KACT	CSUS44 KFWD	CSUS27 KZFW	NKAMSMZFW	FT. WORTH
KAGS *	CSUS42 KCAE	CSUS27 KZTL	NKAMSMZTL	ATLANTA
KAVL *	CSUS42 KGSP	CSUS27 KZTL	NKAMSMZTL	ATLANTA
KBFL	CSUS46 KHNX	CSUS27 KZLA	NKAMSMZLA	LOS ANGELES
KCPR	CSUS45 KRIW	CSUS27 KZDV	NKAMSMZDV	DENVER
KEUG	CSUS46 KMFR	CSUS27 KZSE	NKAMSMZSE	SEATTLE
KILG	CSUS41 KPHI	CSUS27 KZNY	NKAMSMZNY	NEW YORK
KOLM	CSUS46 KSEW	CSUS27 KZSE	NKAMSMZSE	SEATTLE
KRBL *	CSUS46 KMTR	CSUS27 KZOA	NKAMSMZOA	OAKLAND
KSHR	CSUS45 KRIW	CSUS27 KZLC	NKAMSMZLC	SALT LAKE CITY
KSPI	CSUS43 KILX	CSUS27 KZKC	NKAMSMZKC	KANSAS CITY
KSUX	CSUS43 KDMX	CSUS27 KZMP	NKAMSMZMP	MINNEAPOLIS

NOTE: THE ASTERISK INDICATES THAT THE OLD WMO HEADER DID NOT EXIST.

WE URGE ALL USERS WITH AUTOMATIC DECODERS TO REPROGRAM THEIR SYSTEMS NOW TO RECOGNIZE THE NEW BULLETIN HEADERS 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 THIS CHANGE...PLEASE CONTACT:

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

OR

ANTHONY ROBINSON AT: 301-713-1373 X 110...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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