

NOUS41 KWBC 161535
PNSWSH

TECHNICAL IMPLEMENTATION NOTICE 06-56
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC
1135 AM EDT WED AUG 16 2006

TO: FAMILY OF SERVICES /FOS/ SUBSCRIBERS
NOAA WEATHER WIRE SERVICE /NWWS/ 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
OFFICE OF OPERATIONAL SYSTEMS

SUBJECT: AUTOMATED SURFACE OBSERVING SYSTEM /ASOS/ COMMUNICATIONS TRANSFER
FROM NWS TO FEDERAL AVIATION ADMINISTRATION /FAA/ FOR GILLETTE
WYOMING...DES MOINES IOWA AND WORCESTER MASSACHUSETTS...EFFECTIVE AUGUST
16 2006

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

THIS IS THE LATEST MESSAGE IN A SERIES OF TECHNICAL IMPLEMENTATION NOTICES
/TINS/. THE LAST TIN ON THIS SUBJECT WAS [TIN 06-49](#)...TRANSMITTED JULY 11
2006.

THIS MESSAGE LISTS THE EFFECTIVE DATE THE NWS ADVANCED WEATHER INTERACTIVE
PROCESSING SYSTEM /AWIPS/ TRANSMISSION PATH HAS BEEN DISCONNECTED AT
SPECIFIC 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 SELECT GROUP OF ASOS
LOCATIONS IS MOVING FROM NWS AWIPS NETWORK COMMUNICATIONS PATHWAY TO FAA
AUTOMATED WEATHER OBSERVING SYSTEM /AWOS/-ASOS DATA ACQUISITION SYSTEM
/ADAS/ NETWORK COMMUNICATIONS PATHWAY.

THIS TRANSITION...SCHEDULED THROUGH 2007...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 AUGUST 16 2006...THE FOLLOWING ASOS LOCATIONS TRANSITIONED NETWORK
COMMUNICATION PATHWAYS FROM NWS AWIPS TO FAA ADAS:

| SID | LOCATION | STATE | NWS AWIPS TERMINATED |
|------|------------|-------|----------------------|
| --- | ----- | ---- | ----- |
| KGCC | GILLETTE | WY | 08/16/06 |
| KDSM | DES MOINES | IA | 08/16/06 |
| KORH | WORCESTER | MA | 08/16/06 |

WHEN NWS AWIPS TRANSMISSION PATH CONNECTION ENDS AT THESE LOCATIONS...SELECT OBSERVATIONS FOR THESE LOCATIONS 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 GILLETTE WYOMING...DES MOINES IOWA AND WORCESTER MASSACHUSETTS:

METAR MESSAGES:

ASOS

| SID | WMO HEADER OLD | WMO COLLECTIVE OLD | WMO COLLECTIVE NEW |
|------|-------------------|-----------------------|-----------------------|
| KGCC | SAUS45 KCYS | SAUS80 KWBC | SAUS70 KWBC |
| KDSM | SAUS43 KDMX | SAUS80 KWBC | SAUS70 KWBC |
| KORH | SAUS41 KBOX | SAUS80 KWBC | SAUS70 KWBC |

SPECI MESSAGES:

ASOS

| SID | WMO HEADER OLD | WMO COLLECTIVE OLD | WMO COLLECTIVE NEW |
|------|-------------------|-----------------------|-----------------------|
| KGCC | SPUS45 KCYS | SPUS80 KWBC | SPUS70 KWBC |
| KDSM | SPUS43 KDMX | SPUS80 KWBC | SPUS70 KWBC |
| KORH | SPUS41 KBOX | SPUS80 KWBC | SPUS70 KWBC |

ASOS SHEF PRECIPITATION CRITERIA MESSAGE:

| ASOS SID | WMO HEADER OLD | WMO HEADER NEW | FAA HUB |
|-------------|-------------------|-------------------|-------------|
| KGCC | SRUS65 KCYS | SRUS27 KZDV | DENVER |
| KDSM | SRUS63 KDMX | SRUS27 KZMP | MINNEAPOLIS |
| KORH | SRUS61 KBOX | SRUS27 KZBW | BOSTON |

ASOS SHEF HOURLY ROUTINE MESSAGE:

| ASOS SID | WMO HEADER OLD | WMO HEADER NEW | FAA HUB |
|-------------|-------------------|-------------------|-------------|
| KGCC | SRUS75 KCYS | SRUS27 KZDV | DENVER |
| KDSM | SRUS73 KDMX | SRUS27 KZMP | MINNEAPOLIS |
| KORH | SRUS71 KBOX | SRUS27 KZBW | BOSTON |

ASOS DAILY SUMMARY MESSAGE:

| ASOS SID | WMO HEADER OLD | WMO HEADER NEW | FAA HUB |
|-------------|-------------------|-------------------|-------------|
| KGCC | CXUS45 KCYS | CDUS27 KZDV | DENVER |
| KDSM | CXUS43 KDMX | CDUS27 KZMP | MINNEAPOLIS |
| KORH | CXUS41 KBOX | CDUS27 KZBW | BOSTON |

ASOS MONTHLY SUMMARY MESSAGE:

| ASOS SID | WMO HEADER OLD | WMO HEADER NEW | FAA HUB |
|-------------|-------------------|-------------------|-------------|
| KGCC | CSUS45 KCYS | CSUS27 KZDV | DENVER |
| KDSM | CSUS43 KDMX | CSUS27 KZMP | MINNEAPOLIS |
| KORH | CSUS41 KBOX | CSUS27 KZBW | BOSTON |

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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