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PNSWSH

TECHNICAL IMPLEMENTATION NOTICE 10-40 CORRECTED
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC
1031 AM EDT THU AUG 5 2010

TO: SUBSCRIBERS:
-FAMILY OF SERVICES
-NOAA WEATHER WIRE SERVICE
-EMERGENCY MANAGERS WEATHER INFORMATION NETWORK
-SATELLITE BROADCAST NETWORK /SBN/ NOAAPORT
OTHER NWS PARTNERS...USERS AND EMPLOYEES

FROM: KEVIN SCHRAB
CHIEF...OBSERVING SERVICES DIVISION
OFFICE OF CLIMATE...WATER AND WEATHER SERVICES

SUBJECT: CORRECTED: AUTOMATED SURFACE OBSERVING SYSTEM /ASOS/ DEPLOYMENT
OF THE ALTERSHIELD FOR THE ALL WEATHER PRECIPITATION ACCUMULATON GUAGE
/AWPAG/

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

CORRECTED TO ELIMINATE THE MENTION OF A 6-FOOT DIAMETER SHIELD BECAUSE OF
THE UNCERTAINTY OF THE EXACT SIZE THAT WILL BE USED FOR THE SMALLER
DIAMETER ALTERSHIELD AND TO CHANGE A CONTACT POINT.

NWS IS DEPLOYING AN IMPROVED ALTERSHIELD/WIND SCREEN FOR THE ASOS AWPAG.
THE ALTERSHIELD HAS BEEN TESTED AND SHOWN TO IMPROVE PRECIPITATION
ACCUMULATION CATCH ACCURACY DURING WIND DRIVEN SNOW EVENTS.

A COMPARISON STUDY WAS CONDUCTED TO EVALUATE SENSOR PERFORMANCE CHANGES
THAT MIGHT OCCUR DUE TO THE IMPLEMENTATION OF THE ALTERSHIELD. THE
RESULTS OF THE STUDY SHOWED IMPROVED PRECIPITATION CATCHES DURING WIND
DRIVEN SNOW EVENTS. COMPARISON EVALUATION STUDIES AND THEIR RESULTS ARE
AVAILABLE AT /USE LOWER CASE/:

[HTTP://WWW.WEATHER.GOV/OPS2/SURFACE/ASOSIMPLEMENTATION.HTM](http://www.weather.gov/ops2/surface/asosimplementation.htm)

THE IMPROVED ALTERSHIELD DESIGN CONSISTS OF AN 8-FOOT DIAMETER WIND SHIELD
THAT WILL BE DEPLOYED AT UP TO 316 ASOS EQUIPPED AWPAG LOCATIONS.
HOWEVER...AT UP TO 16 OTHER AWPAG LOCATIONS...BECAUSE OF SPACE
LIMITATIONS...A SMALLER DIAMETER SHIELD WILL BE INSTALLED. THE NEW
ALTERSHIELD WILL BE USED TO SUPPORT ASOS OPERATIONS BEGINNING WITH
INSTALLATION. A LIST OF SITES EQUIPPED WITH THE ALTHERSHIELD AND
INSTALLATION DATES IS ONLINE AT /USE LOWER CASE/:

[HTTP://WWW.WEATHER.GOV/OPS2/SURFACE/ASOSIMPLEMENTATION.HTM](http://www.weather.gov/ops2/surface/asosimplementation.htm)

THERE IS NO CHANGE TO THE FORMAT USED TO REPORT THE PRECIPITATION
ACCUMULATION INFORMATION IN ANY OF THE ASOS PRODUCTS OR MESSAGES.

FOR QUESTIONS ABOUT THIS CHANGE... PLEASE CONTACT:

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OR

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ASOS PLANNED PRODUCT IMPROVEMENT PROGRAM MANAGER
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OR

DAVID MANNARANO
OFFICE OF OPERATIONAL SYSTEMS
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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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