

SUBJECT : Automated Surface Observing System (ASOS) Software
Version 1.8

PURPOSE : To add maintenance capability and operational enhancements
for the ASOS.

EQUIPMENT AFFECTED: ASOS

PARTS REQUIRED : Microcircuit P/N 62828-45000-1
Microcircuit P/N 62828-45001-1
Microcircuit P/N 62828-45002-1
Microcircuit P/N 62828-45003-1
Microcircuit P/N 62828-45004-1
Microcircuit P/N 62828-45005-1

MOD PROCUREMENT : The above parts will be provided by the contractor, AAI
Systems Management, Inc., as an ASOS Field
Modification Kit (FMK).

SPECIAL TOOLS : IC insertion tool
REQUIRED Small flat-tipped screwdriver
Conductive foam
Electrostatic Discharge (ESD) straps

TIME REQUIRED : 1 hour

EFFECT ON OTHER : None.
INSTRUCTIONS

CERTIFICATION : This modification was successfully tested for
STATEMENT operational integrity in the Engineering Design Branch
laboratory.

General

This modification note provides two procedures to upgrade the ASOS software by removing and replacing erasable programmable read only memory (EPROM). This note provides a procedure for "Before Installing Firmware" and "After Installing Firmware." Technician information on changes and fixes implemented in ASOS software version 1.8 are also provided in this note.

Procedure

Follow installation instructions for "Field Modification Kit (FMK) - #31 and #15A ASOS Software Upgrade" provided by AAI Systems Management, Inc.

Caution: Be careful to protect the electronics on the ACU memory and CPU boards during this procedure. Do not reconfigure any jumpers on the ACU memory or the ACU CPU boards unless instructed to by the procedure.