

ASOS MODIFICATION NOTE 2 (for Electronics Technicians)

Engineering Division

W/OSO321:BGM

SUBJECT : Liquid Precipitation Accumulation Sensor Cutoff Thermostat Installation

PURPOSE : Change thermostat to cut off heater power on the liquid precipitation accumulation sensor.

EQUIPMENT AFFECTED: ASOS Liquid Precipitation Accumulation Sensor

PARTS REQUIRED : Thermostat P/N 3100-302-4, complete with foam insulator, self-adhesive tape and wire lugs.

MOD PROCUREMENT : The above parts will be provided by the contractor, AAI Systems Management, Inc., as ASOS Field Modification Kit (FMK) #033.

SPECIAL TOOLS REQUIRED : None

TIME REQUIRED : 1 hour

EFFECT ON OTHER INSTRUCTIONS : None.

CERTIFICATION STATEMENT : This modification was not tested for operational integrity.

GENERAL

This modification note provides instructions for removing and replacing the 0 to 20 degree F thermostat with a -20 to +20 degree F thermostat. The thermostat is located on the sensor bottom plate (A2A2) and removes power from the heaters to conserve energy under conditions when precipitation would not normally occur.

PROCEDURE

Follow installation instructions for ASOS Field Modification Kit (FMK) #033 provided by AAI Systems Management, Inc.

WARNING

Disconnect all power to the liquid precipitation accumulation sensor before installing the thermostat.