

Reduction of ASOS Hygrothermometer Mirror Cleaning Period

GENERAL

Modification Note 16 provides a temporary deactivation of the autobalance module on all ASOS hygrothermometers. Experience from some of the sites that have performed Modification Note 16 indicates that the lack of autobalance compensation for mirror dirt has caused dew point errors. The symptoms of this error are dew points that gradually rise above the true dew point over time and that exceed the ambient temperature under higher humidity conditions. The hygrothermometer returns to correct operation immediately after cleaning the mirror.

This Maintenance Note provides for reducing the mirror cleaning period from quarterly to a maximum of 45 days for commissioned sites. This procedure is temporary and will be in effect until the firmware which corrects the autobalance problems is fielded.

PROCEDURE

1. For ASOS hygrothermometers at commissioned sites, the mirrors are to be cleaned at intervals not to exceed 45 days.
2. The optical loop adjustment interval remains as specified in the site technical manual, that is, every 90 days as part of the preventative maintenance cycle.

This completes the procedure.

Effects on Other Instructions: None

Original Signed

J. Michael St. Clair
Chief, Engineering Division

W/OSO321:BGMcCormick:rhz:11/30/94:redone 12/2/94: "asosmn15: disk hb11-f, spellchecked