

## Model Change Bulletin (MCB) 9 - AERMET version 19191 changes by change type.

Listed with each change are the affected AERMET stages and data types (Upper air, National Weather Service (NWS), ONSITE, or MMIF).

### Bug Fixes

Item	Modification	Stage	Data Type
1	Modified subroutine MPPBL to properly skip days when there is not an available sounding and there are onsite mixing heights (OSMIX=true), and there are no convective mixing heights for the day.	3	ONSITE or MMIF
2	Corrected FORMAT statement 5100 in subroutine AUDIT to allow for larger values of NTOT (number of soundings)	1	UPPERAIR
3	Modified subroutine RDISHD to not replace a duplicate observation's precipitation for a given hour if the newest precipitation is missing or zero and the previous precipitation read for the hour is non-missing and zero or greater.	1	NWS
4	Removed check for missing station pressure and boundary checks on station pressure for a sounding only when it is the first sounding read in subroutine GETFSL. The boundary checks now occur for each sounding and are used to determine the FSL version and allows for a mix of old and new FSL formats in case data was manually substituted into the FSL file	1	UPPERAIR (FSL format data)
5	Modified OSTEEST to issue error and abort AERMET if no DELTA_T heights are defined and temperature differences (DT01) are read in stage 1. Previously OSTEEST issued error but did not abort so stage 3 did not perform correctly.	1	ONSITE