NADP Fall 20090 DMAS Subcommittee

Attending
Tom Bergerhouse
Kevin Mishoe
Gerard van der Jagt
Bob Larson
Chul-Un Ro
George Lin
Misty

Minutes Approval
Approval of the spring 2009 committee minutes was tabled so they could be reviewed further.

Officer Nominations
MOTION: KM nominated Gerard to Secretary.
Second by Misty.
Motion passed unanimously.

Trace Precipitation and Electronic Gages
Current Belfort procedure defines trace precipitation as an identifiable but un-measureable movement of the strip chart. Total deposition is taken as 0.127MM (one-half of detection limit – 0.001")

National Weather Service counts trace events as 0" towards total precipitation.

Bob Larson proposes to maintain Belfort SOP and not recalculate historical data, and to identify trace precip events with electronic gages, but not count events towards total deposition.

MOTION: KM moves to accept Bob Larson's proposal to not change SOP for Belforts, task the PO to investigate reasonable trace precip limits with the intention to flag trace events for electronic gage data, but not have any weight to trace events included in total deposition.
Second by Gerard.
Motion passed unanimously.

Dry Exposure Times
Current Belfort procedure identifies dry exposure subjectively by looking for "long" periods of time that the collector is open but there is no movement on the strip chart. The time resolution of is much higher with the electronic gages, that determine current precipitation status every 10 seconds and the optical sensors are much more sensitive to precipitation events. As a result, each 15 minute interval identifies wet, dry and missed exposure minutes and more dry and missed exposure is aggregated overall.

Bob Larson proposes to extend the precipitation indicator to the entire 15 minute interval and classify the entire interval as wet, dry or missed.

Gerard suggested investigating the impact of the change and presenting the results at the spring meeting since the data we currently collect is more detailed. Bob Larson suggested also looking at charts of data to assist in determining the impact of the change.

Network Coding
Discussion tabled until the QAAG analysis of coding between networks could be reviewed.