National Atmospheric Deposition Program

Atmospheric Integrated Research Monitoring Network (AIRMoN)

Field	Data Type	Description
SiteID	Char(4)	Site Identifier
Labno	Char(7)	Sample Identifier
DateOn	Char(16)	Date on which the sample bucket was installed on the collector, reported in Greenwich Mean Time (GMT)YYYY-MM-DD :mm format
DateOff	Char(16)	Date on which the sample bucket was removed from the collector, reported in Greenwich Mean Time (GMT)YYYY-MM-DD hh:mm format
subppt	Decimal	Precipitation amount used by NADP in calculating weighted-mean concentrations, depositions and precipitation totals, in mm. In most cases sub_ppt equals the NWS stick raingage reading. Where the raingage reading is a trace amount, a value of 0.127mm is assigned; in cases where the NWS stick raingage reading is missing or invalid, the recording raingage amount is used; in cases where both raingage readings are missing or invalid, the equivalent depth of the sample volume is used (for this conversion, the area of the sample bucket is 678.9 square centimeters)
pptNWS	Decimal	Precipitation amount as measured by the NWS stick rain gage, in mm. Trace amounts are indicated by -7.
pptBel	Decimal	Precipitation amount as measured by the recording rain gage, in mm. Trace amounts are indicated by -7.

svol	Decimal	Volume of sample captured in the sample bucket, in ml.
LabType	Char(2)	Labtype - A code indicating the condition of the sample upon arrival at the CAL W: Sample volume of 35 mL or more. WI: Sample volume of 10 - 35 mL; chemical measurements are made as volume permits in the following order: pH, Conductance, {NH4, PO4}, {Cl, NO3, SO4}, and {Ca, Mg, Na, K}. D: Sample volume of 0 - 10 mL. Sample was not shipped.
QRcode	Char(1)	Quality rating code. A code indicating the relative quality of the sample: A: Samples of the highest quality did not contain anything but water, all protocols were followed, and there is no indication of compromised integrity of the sample. B:Samples of unknown quality may contain contaminants such as plant matter or insects, or are potentially contaminated due to handling errors. C: Samples of the lowest quality are either of undefined duration, contain bird droppings, or have some other indication of compromised quality
SP	Char(1)	Sample protocol code. A code indicating departures from standard sample collection procedures that may have compromised sample integrity: (blank):No identifiable departures U: Undefined sample type Q: Quality assurance sample
SL	Char(1)	Sample level code. A code indicating departures from field or laboratory standard

		operating procedures: (blank): No identifiable departures C: Contaminated sample E: Long-duration sample F: Field error L: Laboratory error M: Missing sampling information
pHlab	Decimal	negative log of the hydrogen ion concentration as measured at the CAL, in pH units
pHfield	Decimal	pH of the sample as measured in the field laboratory, reported as the negative log of hydrogen ion concentration.
conducLab	Decimal	Conductance of the precipitation sample as measured at the CAL, reported in microsiemens per centimeter.
conducField	Decimal	Conductance of the precipitation sample as measured in the field laboratory, reported in microsiemens per centimeter
Ca	Decimal	Ca concentration, mg/L
Mg	Decimal	Mg concentration, mg/L
K	Decimal	K concentration, mg/L
Na	Decimal	Na concentration, mg/L
NH4	Decimal	NH4 concentration, mg/L
NO3	Decimal	NO3 concentration, mg/L
Cl	Decimal	Cl concentration, mg/L
SO4	Decimal	SO4 concentration, mg/L
PO4	decimal	PO4 concentration, mg/L