National Atmospheric Deposition Program

National Trends Network (NTN) Weekly Metadata

Field	Data Type	Description
siteID	Char(4)	Site Identifier
labno	Char(8)	Sample Identifier
dateon	Char(16)	Date which the sample bucket (or bag) was installed on the collector , reported in Greenwich Mean Time (GMT)YYYY-MM-DD hh:mm format
dateoff	Char(16)	Date which the sample bucket (or bag) was removed from the collector, reported in Greenwich Mean Time (GMT)YYYY-MM-DD hh:mm format
yrmonth	Integer	Year and Month of sample midpoint, in YYYYMM format
ph	Decimal	Negative log of the hydrogen ion concentration as measured at the CAL, in pH units; missing or invalid value indicated by -9
conduc	Decimal	Conductance of the precipitation sample as measured at the CAL, reported in microsiemens per centimeter; missing or invalid value indicated by -9
flagCa	Char(l)	Limit of detection symbol (<) for Ca;
Ca	Decimal	Ca concentration, mg/L: missing or invalid value indicated by -9
flagMg	Char(l)	Limit of detection symbol (<) for Mg
Mg	Decimal	Mg concentration, mg/L
flagK	Char(l)	Limit of detection symbol (<) for K; missing or invalid value indicated by -9
K	Decimal	K concentration, mg/L
flagNa	Char(l)	Limit of detection symbol (<) for Na; missing or invalid value indicated by -9
Na	Decimal	Na concentration, mg/L
flagNH4	Char(l)	Limit of detection symbol (<) for NH4; missing or invalid value indicated by -9
NH4	Decimal	NH4 concentration, mg/L
flagN03	Char(l)	Limit of detection symbol (<) for N03; missing or invalid value indicated by -9
N03	Decimal	N03 concentration, mg/L
flagCI	Char(l)	Limit of detection symbol (<) for Cl; missing or invalid value indicated by -9
Cl	Decimal	Cl concentration, mg/L
flagS04	Char(l)	Limit of detection symbol (<) for S04; missing or invalid value indicated by -9
S04	Decimal	S04 concentration, mg/L
flagBr	Char(l)	Limit of detection symbol (<) for Br; missing or invalid value indicated by -9
Br	Decimal	Br concentration, mg/L
svol	Decimal	Volume of sample captured in the sample bucket (or bag), in ml. Missing or invalid value indicated by -9
ppt	Decimal	Precipitation amount as measured by the recording rain gage, in mm. Trace amounts are indicated by -7. Missing or invalid value indicated by -9.99
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 recording raingage reading. Where the raingage reading is 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). Missing or invalid value indicated by -9.99

valcode	Char(2)	A code which indicates whether a sample is considered valid according to NADP/NTN data validation rules. In the case of a valid sample, the code indicates how the sample is used in calculations of weighted-mean concentrations, deposit ions and data completeness estimates. null - invalid sample t - valid trace sample d - valid dry collection period w - valid sample of lab type w wa - valid sample of lab type wa wi - valid sample of lab type wi wd – valid sample of lab type wd Only samples with valcodes of w, wa, wi and wd are used by NADP/NTN in calculating weighted-mean concentrations and depositions.
invalcode	Char(6)	A series of codes assigned to samples that are considered invalid by NADP/NTN for the purposes of computing weighted-mean concentrations, deposit ions and data completeness estimates. The codes indicate the reasons for invalidation. b - bulk sample (collector was open the entire sampling period) c - contaminated sample e - extended sampling period >194 hrs. (8 days,2 hours) f - field protocol error or extended field hold time (sample receipt >60 days after OFF date - applicable as of 1/1/2022) i – low volume (diluted) sample l - lab error (major handling problems in lab) n - no sample submitted p - precipitation value unknown (no precipitation data from rain gage or alternate source) u - undefined sample (sample exposed for at least 6 hours without precipitation) v - precipitation amount indicates sufficient sample volume, but insufficient sample in bottle for analysis x - reasons other than described above
modifiedOn	Char(16)	Date the record was last modified