Filedescriptions (timestamps in UTC).

Mercury.xml:


```
<Data>
   <DateTimeStart>2015-08-26T00:05:00+02:00</DateTimeStart>
   <Hg>1.36293483</Hg>
   <unit>ng/m3</unit>
 </Data>
```


Concentrations of gaseous Mercury (heavy metal)
10 or 15 minute average.
Measurements in ng/m3 (10^{-9}g/m3)
Measures by Tekran monitors.
Mercury concentration varies with solar radiation and ozone concentrations.

Ozone.xml:


```
<Data>
   <DateTimeStart>2015-10-02T19:30:00+02:00</DateTimeStart>
   <Ozone>36.39</Ozone>
   <Unit>ppb</Unit>
 </Data>
```


Concentrations of Ozone (present both in troposphere (from photosynthesis) and stratosphere (ozone layer).
30 minute average.
Measurements in ppb_v (mm^3/m^3)
Monitored by Teledyne-API monitors.
Ozone reacts with mercury and bromine (Br) in complex chemical reactions.

Precipitation.xml:


```
<Data>
   <DateTimeStart>2015-12-01T00:25:00+01:00</DateTimeStart>
   <Prep_Hour>0</Prep_Hour>
   <Prep_Tot>146.57</Prep_Tot>
 </Data>
```


Precipitation of water and snow. 5 minutes average.
Measurements in mm hourly and total.
Measures by TSI300 monitor on a heated plate.

Meteorologi.xml


```
<Data>
   <StartDateTime>2014-08-26T16:30:00+02:00</StartDateTime>
   <WindDirection>196.9</WindDirection>
   <WindSpeed>6.803</WindSpeed>
   <Temperature>6.059</Temperature>
   <Humidity>60.87</Humidity>
   <Radiation>269.0241</Radiation>
   <Pressure>1012.47</Pressure>
```

```
  </Data>
```

Meteorology parameters from a mast at the station.
30 minute average.
Wind direction in degrees
Wind speed in m/s
Temperature in ^{o}Celcius
Humidity in Relative Humidity in %
Pressure in mBar

<u>StationTemperature.xml:</u>

```
<Data>
   <DateTimeStart>2015-08-27T00:29:00+02:00</DateTimeStart>
   <T>13.8</T>
   <RH>28</RH>
  </Data>
```

Temperature inside the station, where Ozone and Mercury instruments are placed.
30 minute values
Temperature in ^{o}Celcius
RH Relative Humidity in %. Air is very dry inside.

<u>Particles.csv (replaces Particles.xml):</u>

```
time;                    N_tot;        V_tot
2014-01-01 00:00:00; 142.231292; 1.004274365
```

Particle number /cm^3 and particle volume in cm^3
5 minutes values.
Measured by SMPS monitor.

Flowfiles: (fli daily files)

```
STAT DD-MM-YYYY HH:MM:SS    FLOW1    FLOW2
0705 02-12-2015 00:00:00    5.7617   8.0762
```

Flow1 and Flow2 is flow in the inlet system to Mercury and Ozone measurements.
Measured two different places in the inlet system.
10 minutes values in m^3/hour