



## Sample GML code

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3. A request is made for all properties of all climate station observations. In this example there is only one climate station observation available, and therefore only one is returned. Note that not all properties (items) are mandatory in the LIO database, and in this example it is assumed that some are in fact null (empty). There are two valid ways to return such items. Null items may simply be omitted, as is the case for a number of items in this example (e.g. Funnel\_Cloud); or items may be present and explicitly tagged with ' nil="true" ', as in Collection\_Year\_End in example 1 above.

Request: `http://www.lio.mnr.gov.on.ca/wfs&  
SERVICE = WFS&  
VERSION = 1.0.0&  
REQUEST = GetFeature&  
TYPENAME = Climate_Station_Observation  
SECURITYTOKEN = AF1587BB093D7C62E4386501A8FDB149`

Returns:

```
<?xml version="1.0" encoding="UTF-8"?>  
<myns:LIOObject xmlns="http://www.someserver.com/myns" xmlns:myns="http://www.someserver.com/myns"  
  xmlns:gml="http://www.opengis.net/gml" xmlns:wfs="http://www.opengis.net/wfs"  
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://www.someserver.com/myns  
  LIOSchema1.xsd">  
  <gml:boundedBy>  
    <gml:null>inapplicable</gml:null>  
  </gml:boundedBy>  
  <LIOObjectInstance>  
    <Climate_Station_Observation>  
      <FMF_OBJECT_ID>2234567890</FMF_OBJECT_ID>  
      <Climate_Monitoring_Agency_Code>EC</Climate_Monitoring_Agency_Code>  
      <Network_Name>>Environment Canada Ontario Climate Station Primary  
Network</Network_Name>  
      <Station_Name>CYYZ</Station_Name>  
      <Station_Identifier>S1234567</Station_Identifier>  
      <Climate_Measurement_DateTime>2003-04-29T14:02:11</Climate_Measurement_DateTime>  
      <Wind_Direction>278</Wind_Direction>  
      <Wind_Speed_Knots>10.0</Wind_Speed_Knots>  
      <Wind_Speed_Km_Hr>18.5</Wind_Speed_Km_Hr>
```

```
<Hourly_Air_Temperature_Celsius>14</Hourly_Air_Temperature_Celsius>
<Hourly_Air_Temp_Measurment_Flag>Actual</Hourly_Air_Temp_Measurment_Flag>
<DewPoint_Temperature_Celsius>6.5</DewPoint_Temperature_Celsius>
<DewPoint_Temp_Measurment_Flag>Derived</DewPoint_Temp_Measurment_Flag>
<Relative_Humidity>23</Relative_Humidity>
<Relative_Humidity_Measurment_Flag>Actual</Relative_Humidity_Measurment_Flag>
<Barometric_Pressure_kPa>999.99</Barometric_Pressure_kPa>
<Barometric_Pressure_Hg>999.99</Barometric_Pressure_Hg>
<Visibility_In_Kilometers>1.6</Visibility_In_Kilometers>
<Visibility_In_Stature_Miles>1.0</Visibility_In_Stature_Miles>
<Hourly_Precipitation_Amt>0</Hourly_Precipitation_Amt>
<Observation_Remark>
  <Observation_FMF_OBJECT_ID>223456789</Observation_FMF_OBJECT_ID>
  <Rain_Amount_1_Hour>0</Rain_Amount_1_Hour>
  <Rain_Amount_6_Hour>12</Rain_Amount_6_Hour>
  <Rain_Amount_12_Hour>30</Rain_Amount_12_Hour>
  <Rain_Amount_18_Hour>35</Rain_Amount_18_Hour>
  <Comments>March Winds and April Showers Help Bring May's Flowers</Comments>
  <Obs_Remarks_Sky_Condition>
    <Observation_FMF_OBJECT_ID>2234567890</Observation_FMF_OBJECT_ID>
    <Sky_Cover>Cyrus Clouds</Sky_Cover>
  </Obs_Remarks_Sky_Condition>
  <Obs_Remarks_Weather_Condition>
    <Observation_FMF_OBJECT_ID>223456789</Observation_FMF_OBJECT_ID>
    <Present_Weather_Condition>Beautiful</Present_Weather_Condition>
  </Obs_Remarks_Weather_Condition>
</Observation_Remark>
<Observation_Sky_Condition>
  <Observation_FMF_OBJECT_ID>2234567890</Observation_FMF_OBJECT_ID>
  <Sky_Cover>Partly Cloudy</Sky_Cover>
</Observation_Sky_Condition>
<Observation_Weather_Condition>
  <Observation_FMF_OBJECT_ID>2234567890</Observation_FMF_OBJECT_ID>
  <Present_Weather>Georgeous</Present_Weather>
</Observation_Weather_Condition>
</Climate_Station_Observation>
</LIOObjectInstance>
</myns:LIOObject>
```