Entity: WeatherObserved

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Global description: **An observation of weather conditions at a certain place and time. This data model has been developed in cooperation with mobile operators and the GSMA.**

version: 0.3.3

List of properties

[*] If there is not a type in an attribute is because it could have several types or different formats/patterns

- `address[object]`: The mailing address . Model: https://schema.org/address

  - `addressCountry[string]`: The country. For example, Spain . Model: https://schema.org/addressCountry

  - `addressLocality[string]`: The locality in which the street address is, and which is in the region . Model: https://schema.org/addressLocality

  - `addressRegion[string]`: The region in which the locality is, and which is in the country . Model: https://schema.org/addressRegion

  - `district[string]`: A district is a type of administrative division that, in some countries, is managed by the local government

  - `postOfficeBoxNumber[string]`: The post office box number for PO box addresses. For example, 03578 . Model: https://schema.org/postOfficeBoxNumber

  - `postalCode[string]`: The postal code. For example, 24004 . Model: https://schema.org/https://schema.org/postalCode

  - `streetAddress[string]`: The street address . Model: https://schema.org/streetAddress

  - `streetNr[string]`: Number identifying a specific property on a public street

- `airQualityIndex[number]`: Air quality index is a number used to report the quality of the air on any given day . Model: https://schema.org/Number

- `airQualityIndexForecast[number]`: Forecasted overall Air Quality Index (AQI) over a certain duration in future . Model: https://schema.org/Number

- `airTemperatureForecast[number]`: Forecasted value of air temperature over a certain duration in future . Model: https://schema.org/Number

- `airTemperatureTSA[object]`: Air temperature time series aggregation

  - `averageValue[number]`: Average value of temporal processing over time

  - `instValue[number]`: Instant value of temporal processing

  - `maxOverTime[number]`: Maximum value of temporal processing over time

  - `minOverTime[number]`: Minimum value of temporal processing over time

- `alternateName[string]`: An alternative name for this item

- `aqiMajorPollutant[string]`: Major pollutant in the Air Quality Index (AQI) . Model: https://schema.org/Text

- `aqiMajorPollutantForecast[string]`: Forecasted major air pollutant in the Air Quality Index (AQI) over a certain duration in future . Model: https://schema.org/Text

- `areaServed[string]`: The geographic area where a service or offered item is provided . Model: https://schema.org/Text

- `atmosphericPressure[number]`: The atmospheric pressure observed measured in Hecto Pascals . Model: https://schema.org/Number

- `dataProvider[string]`: A sequence of characters identifying the provider of the harmonised data entity

- `dateCreated[date-time]`: Entity creation timestamp. This will usually be allocated by the storage platform

- `dateModified[date-time]`: Timestamp of the last modification of the entity. This will usually be allocated by the storage platform

- `dateObserved[date-time]`: Date of the observed entity defined by the user

- `description[string]`: A description of this item

- `dewPoint[number]`: The dew point encoded as a number. Observed temperature to which air must be cooled to become saturated with water vapor . Model: https://schema.org/Number

- `diffuseIrradiation[number]`: Diffuse irradiance is the part of the solar irradiance that is scattered by the atmosphere . Model: https://schema.org/Number

- `directIrradiation[number]`: Direct irradiance is the part of the solar irradiance that directly reaches a surface . Model: https://schema.org/Number

- `feelLikesTemperature[number]`: Temperature appreciation of the item

- `gustSpeed[number]`: A sudden burst of high-speed wind over the observed average wind speed lasting only for a few seconds

- `id[*]`: Unique identifier of the entity

- `illuminance[number]`: Observed instantaneous ambient light intensity

- `location[*]`: Geojson reference to the item. It can be Point, LineString, Polygon, MultiPoint, MultiLineString or MultiPolygon

- `name[string]`: The name of this item

- `owner[array]`: A List containing a JSON encoded sequence of characters referencing the unique Ids of the owner(s)

- `precipitation[number]`: Amount of water rain registered. . Model: https://schema.org/Number

- `precipitationForecast[number]`: Forecasted rainfall over a certain duration in future . Model: https://schema.org/Number

- `pressureTendency[*]`: Enum:'falling, raising, steady'. Is the pressure rising or falling? It can be expressed in quantitative terms or qualitative terms

- `refDevice[*]`: A reference to the device(s) which captured this observation . Model: https://schema.org/URL

- `refPointOfInterest[string]`: Point of interest related to the item . Model: http://schema.org/URL

- `relativeHumidity[number]`: Humidity in the Air. Observed instantaneous relative humidity (water vapour in air)

- `relativeHumidityForecast[number]`: Forecasted relative humidity (water vapour in air) over a

certain duration in future . Model: https://schema.org/Number

- `seeAlso[*]`: list of uri pointing to additional resources about the item

- `snowHeight[number]`: The snow height observed by generic snow depth measurement sensors, expressed in centimeters . Model: https://schema.org/Number

- `solarRadiation[number]`: The solar radiation observed measured in Watts per square . Model: https://schema.org/Number

- `source[string]`: A sequence of characters giving the original source of the entity data as a URL. Recommended to be the fully qualified domain name of the source provider, or the URL to the source object

- `streamGauge[number]`: The water level surface elevation observed by Hydrometric measurement sensors, namely a Stream Gauge expressed in centimeters . Model: https://schema.org/Number

- `temperature[number]`: Temperature of the item

- `type[string]`: NGSI Entity type. It has to be WeatherObserved

- `uVIndexMax[number]`: The maximum UV index for the period, based on the World Health Organization's UV Index measure. http://www.who.int/uv/intersunprogramme/activities/uv_index/en/ the values between 1 and 11 are the valid range for the index. The value 0 is for describing that no signal is detected so no value is stored . Model: https://schema.org/Number

- `visibility[*]`: Categories of visibility . Model: http://schema.org/Text

- `weatherType[string]`: Text description of the weather . Model: http://schema.org/Text

- `windDirection[number]`: Direction of the wind bet . Model: http://schema.org/Number

- `windSpeed[number]`: Intensity of the wind . Model: http//schema.org/Number

Required properties

- `dateObserved`

- `id`

- `location`

- `type`

Wind direction range defined according to the World Meteorological organization

Data Model description of properties

Sorted alphabetically (click for details)

full yaml details

```
WeatherObserved:
  description: An observation of weather conditions at a certain place and time.
This data model has been developed in cooperation with mobile operators and the
GSMA.
  properties:
    address:
      description: The mailing address
      properties:
        addressCountry:
          description: 'The country. For example, Spain'
          type: string
          x-ngsi:
            model: https://schema.org/addressCountry
            type: Property
        addressLocality:
          description: 'The locality in which the street address is, and which is
in the region'
          type: string
          x-ngsi:
            model: https://schema.org/addressLocality
            type: Property
        addressRegion:
          description: 'The region in which the locality is, and which is in the
country'
          type: string
          x-ngsi:
            model: https://schema.org/addressRegion
            type: Property
        district:
          description: 'A district is a type of administrative division that, in
some countries, is managed by the local government'
          type: string
          x-ngsi:
            type: Property
        postOfficeBoxNumber:
          description: 'The post office box number for PO box addresses. For
example, 03578'
          type: string
          x-ngsi:
            model: https://schema.org/postOfficeBoxNumber
            type: Property
        postalCode:
          description: 'The postal code. For example, 24004'
          type: string
          x-ngsi:
            model: https://schema.org/https://schema.org/postalCode
            type: Property
        streetAddress:
          description: The street address
          type: string
          x-ngsi:
            model: https://schema.org/streetAddress
            type: Property
        streetNr:
          description: Number identifying a specific property on a public
street
          type: string
          x-ngsi:
            type: Property
      type: object
      x-ngsi:
        model: https://schema.org/address
        type: Property
    airQualityIndex:
      description: Air quality index is a number used to report the quality of the
air on any given day
      type: number
      x-ngsi:
        model: https://schema.org/Number
        type: Property
    airQualityIndexForecast:
      description: Forecasted overall Air Quality Index (AQI) over a certain
duration in future
      type: number
      x-ngsi:
        model: https://schema.org/Number
        type: Property
    airTemperatureForecast:
      description: Forecasted value of air temperature over a certain duration in
```

```
future
      type: number
      x-ngsi:
        model: https://schema.org/Number
        type: Property
    airTemperatureTSA:
      description: Air temperature time series aggregation
      properties:
        averageValue:
          description: Average value of temporal processing over time
          type: number
          x-ngsi:
            type: Property
        instValue:
          description: Instant value of temporal processing
          type: number
          x-ngsi:
            type: Property
        maxOverTime:
          description: Maximum value of temporal processing over time
          type: number
          x-ngsi:
            type: Property
        minOverTime:
          description: Minimum value of temporal processing over time
          type: number
          x-ngsi:
            type: Property
      type: object
      x-ngsi:
        type: Property
    alternateName:
      description: An alternative name for this item
      type: string
      x-ngsi:
        type: Property
    aqiMajorPollutant:
      description: Major pollutant in the Air Quality Index (AQI)
      type: string
      x-ngsi:
        model: https://schema.org/Text
        type: Property
    aqiMajorPollutantForecast:
      description: Forecasted major air pollutant in the Air Quality Index (AQI)
over a certain duration in future
      type: string
      x-ngsi:
        model: https://schema.org/Text
        type: Property
    areaServed:
      description: The geographic area where a service or offered item is
provided
      type: string
      x-ngsi:
        model: https://schema.org/Text
        type: Property
    atmosphericPressure:
      description: The atmospheric pressure observed measured in Hecto Pascals
      minimum: 0
      type: number
      x-ngsi:
        model: https://schema.org/Number
        type: Property
        units: Hecto pascals
    dataProvider:
      description: A sequence of characters identifying the provider of the
harmonised data entity
      type: string
      x-ngsi:
        type: Property
    dateCreated:
      description:
Entity creation timestamp. This will usually be allocated by the storage
platform
      format: date-time
      type: string
      x-ngsi:
        type: Property
    dateModified:
      description: Timestamp of the last modification of the entity. This will
usually be allocated by the storage platform
      format: date-time
      type: string
      x-ngsi:
        type: Property
    dateObserved:
```

```
      description: Date of the observed entity defined by the user
      format: date-time
      type: string
      x-ngsi:
        type: Property
    description:
      description: A description of this item
      type: string
      x-ngsi:
        type: Property
    dewPoint:
      description:
The dew point encoded as a number. Observed temperature to which air must be cooled
to become saturated with water vapor
      type: number
      x-ngsi:
        model: https://schema.org/Number
        type: Property
        units: Celsius degrees
    diffuseIrradiation:
      description: Diffuse irradiance is the part of the solar irradiance that is
scattered by the atmosphere
      minimum: 0
      type: number
      x-ngsi:
        model: https://schema.org/Number
        type: Property
        units: w/m2
    directIrradiation:
      description: Direct irradiance is the part of the solar irradiance that
directly reaches a surface
      minimum: 0
      type: number
      x-ngsi:
        model: https://schema.org/Number
        type: Property
        units: w/m2
    feelsLikeTemperature:
      description: Temperature appreciation of the item
      type: number
      x-ngsi:
        type: Property
    gustSpeed:
      description:
A sudden burst of high-speed wind over the observed average wind speed lasting only
for a few seconds
      type: number
      x-ngsi:
        type: Property
    id:
      anyOf:
        - description: Identifier format of any NGSI entity
          maxLength: 256
          minLength: 1
          pattern: ^[\w\-\.\{\}\$\+\*\[\]`|~^@!,:\\]+$
          type: string
          x-ngsi:
            type: Property
        - description: Identifier format of any NGSI entity
          format: uri
          type: string
          x-ngsi:
            type: Property
      description: Unique identifier of the entity
      x-ngsi:
        type: Property
    illuminance:
      description: '(https://en.wikipedia.org/wiki/Illuminance) observed measured
in lux (lx) or lumens per square metre (cd·sr·m−2)'
      minimum: 0
      type: number
      x-ngsi:
        model: https://schema.org/Number
        type: Property
        units: Lux
    location:
      description: 'Geojson reference to the item. It can be Point, LineString,
Polygon, MultiPoint, MultiLineString or MultiPolygon'
      oneOf:
        - description: Geojson reference to the item. Point
          properties:
            bbox:
              items:
                type: number
              minItems: 4
              type: array
```

```
      coordinates:
        items:
          type: number
        minItems: 2
        type: array
      type:
        enum:
          - Point
        type: string
    required:
      - type
      - coordinates
    title: GeoJSON Point
    type: object
    x-ngsi:
      type: GeoProperty
  - description: Geojson reference to the item. LineString
    properties:
      bbox:
        items:
          type: number
        minItems: 4
        type: array
      coordinates:
        items:
          items:
            type: number
          minItems: 2
          type: array
        minItems: 2
        type: array
      type:
        enum:
          - LineString
        type: string
    required:
      - type
      - coordinates
    title: GeoJSON LineString
    type: object
    x-ngsi:
      type: GeoProperty
  - description: Geojson reference to the item. Polygon
    properties:
      bbox:
        items:
          type: number
        minItems: 4
        type: array
      coordinates:
        items:
          items:
            items:
              type: number
            minItems: 2
            type: array
          minItems: 4
          type: array
        type: array
      type:
        enum:
          - Polygon
        type: string
    required:
      - type
      - coordinates
    title: GeoJSON Polygon
    type: object
    x-ngsi:
      type: GeoProperty
  - description: Geojson reference to the item. MultiPoint
    properties:
      bbox:
        items:
          type: number
        minItems: 4
        type: array
      coordinates:
        items:
          items:
            type: number
          minItems: 2
          type: array
        type: array
      type:
        enum:
```

```
              - MultiPoint
            type: string
          required:
            - type
            - coordinates
          title: GeoJSON MultiPoint
          type: object
          x-ngsi:
            type: GeoProperty
        - description: Geojson reference to the item. MultiLineString
          properties:
            bbox:
              items:
                type: number
              minItems: 4
              type: array
            coordinates:
              items:
                items:
                  items:
                    type: number
                  minItems: 2
                  type: array
                minItems: 2
                type: array
              type: array
            type:
              enum:
                - MultiLineString
              type: string
          required:
            - type
            - coordinates
          title: GeoJSON MultiLineString
          type: object
          x-ngsi:
            type: GeoProperty
        - description: Geojson reference to the item. MultiLineString
          properties:
            bbox:
              items:
                type: number
              minItems: 4
              type: array
            coordinates:
              items:
                items:
                  items:
                    items:
                      type: number
                    minItems: 2
                    type: array
                  minItems: 4
                  type: array
                type: array
              type: array
            type:
              enum:
                - MultiPolygon
              type: string
          required:
            - type
            - coordinates
          title: GeoJSON MultiPolygon
          type: object
          x-ngsi:
            type: GeoProperty
      x-ngsi:
        type: GeoProperty
    name:
      description: The name of this item
      type: string
      x-ngsi:
        type: Property
    owner:
      description: A List containing a JSON encoded sequence of characters
referencing the unique Ids of the owner(s)
      items:
        anyOf:
          - description: Identifier format of any NGSI entity
            maxLength: 256
            minLength: 1
            pattern: ^[\w\-\.\{\}\$\+\*\[\]`|~^@!,:\\]+$
            type: string
            x-ngsi:
              type: Property
```

```
          - description: Identifier format of any NGSI entity
            format: uri
            type: string
            x-ngsi:
              type: Property
        description: Unique identifier of the entity
        x-ngsi:
          type: Property
      type: array
      x-ngsi:
        type: Property
    precipitation:
      description: 'Amount of water rain registered. '
      minimum: 0
      type: number
      x-ngsi:
        model: https://schema.org/Number
        type: Property
        units: Liters per square meter
    precipitationForecast:
      description: Forecasted rainfall over a certain duration in future
      type: number
      x-ngsi:
        model: https://schema.org/Number
        type: Property
    pressureTendency:
      description: 'Enum:''falling, raising, steady''. Is the pressure rising or
falling? It can be expressed in quantitative terms or qualitative terms'
      oneOf:
        - enum:
            - falling
            - raising
            - steady
          type: string
        - type: number
      x-ngsi:
        type: Property
    refDevice:
      anyOf:
        - description: Identifier format of any NGSI entity
          maxLength: 256
          minLength: 1
          pattern: ^[\w\-\.\{\}\$\+\*\[\]`|~^@!,:\\]+$
          type: string
          x-ngsi:
            type: Property
        - description: Identifier format of any NGSI entity
          format: uri
          type: string
          x-ngsi:
            type: Property
      description: A reference to the device(s) which captured this observation
      x-ngsi:
        model: https://schema.org/URL
        type: Relationship
    refPointOfInterest:
      description: Point of interest related to the item
      type: string
      x-ngsi:
        model: http://schema.org/URL
        type: Relationship
    relativeHumidity:
      description: Humidity in the Air. Observed instantaneous relative humidity
(water vapour in air)
      maximum: 1
      minimum: 0
      type: number
      x-ngsi:
        type: Property
    relativeHumidityForecast:
      description: Forecasted relative humidity (water vapour in air) over a
certain duration in future
      type: number
      x-ngsi:
        model: https://schema.org/Number
        type: Property
    seeAlso:
      description: list of uri pointing to additional resources about the item
      oneOf:
        - items:
            format: uri
            type: string
          minItems: 1
          type: array
        - format: uri
          type: string
```

```
      x-ngsi:
        type: Property
    snowHeight:
      description: 'The snow height observed by generic snow depth measurement
sensors, expressed in centimeters'
      minimum: 0
      type: number
      x-ngsi:
        model: https://schema.org/Number
        type: Property
        units: centimeters
    solarRadiation:
      description: The solar radiation observed measured in Watts per square
      minimum: 0
      type: number
      x-ngsi:
        model: https://schema.org/Number
        type: Property
        units: w/m2
    source:
      description: 'A sequence of characters giving the original source of the
entity data as a URL. Recommended to be the fully qualified domain name of the
source provider, or the URL to the source object'
      type: string
      x-ngsi:
        type: Property
    streamGauge:
      description: 'The water level surface elevation observed by Hydrometric
measurement sensors, namely a [Stream Gauge](https://en.wikipedia.org/wiki/
Stream_gauge) expressed in centimeters'
      minimum: 0
      type: number
      x-ngsi:
        model: https://schema.org/Number
        type: Property
        units: centimeters
    temperature:
      description: Temperature of the item
      type: number
      x-ngsi:
        type: Property
    type:
      description: NGSI Entity type. It has to be WeatherObserved
      enum:
        - WeatherObserved
      type: string
      x-ngsi:
        type: Property
    uVIndexMax:
      description: 'The maximum UV index for the period, based on the World Health
Organization''s UV Index measure. [http://www.who.int/uv/intersunprogramme/
activities/uv_index/en/](http://www.who.int/uv/intersunprogramme/activities/
uv_index/en/) the values between 1 and 11 are the valid range for the index. The
value 0 is for describing that no signal is detected so no value is stored'
      minimum: 0
      type: number
      x-ngsi:
        model: https://schema.org/Number
        type: Property
    visibility:
      anyOf:
        - enum:
            - veryPoor
            - poor
            - moderate
            - good
            - veryGood
            - excellent
          type: string
        - minimum: 0
          type: number
      description: Categories of visibility
      x-ngsi:
        model: http://schema.org/Text
        type: Property
    weatherType:
      description: Text description of the weather
      type: string
      x-ngsi:
        model: http://schema.org/Text
        type: Property
    windDirection:
      description: Direction of the wind bet
      maximum: 360
      minimum: 0
      type: number
```

```
      x-ngsi:
        model: http://schema.org/Number
        type: Property
    windSpeed:
      description: Intensity of the wind
      minimum: 0
      type: number
      x-ngsi:
        model: http//schema.org/Number
        type: Property
  required:
    - id
    - type
    - dateObserved
    - location
  type: object
  x-derived-from: ""
  x-disclaimer: 'Redistribution and use in source and binary forms, with or
without modification, are permitted  provided that the license conditions are met.
Copyleft (c) 2023 Contributors to Smart Data Models Program'
  x-license-url: https://github.com/smart-data-models/dataModel.Weather/blob/
master/WeatherObserved/LICENSE.md
  x-model-schema: https://smart-data-models.github.io/dataModel.Weather/
WeatherObserved/schema.json
  x-model-tags: IUDX
  x-version: 0.3.4
```

Example payloads

WeatherObserved NGSI-v2 key-values Example

Here is an example of a WeatherObserved in JSON-LD format as key-values. This is compatible with NGSI-v2 when using `options=keyValues` and returns the context data of an individual entity.

show/hide example


```
{
  "id": "Spain-WeatherObserved-Valladolid-2016-11-30T07:00:00.00Z",
  "type": "WeatherObserved",
  "address": {
    "addressLocality": "Valladolid",
    "addressCountry": "ES"
  },
  "atmosphericPressure": 938.9,
  "dataProvider": "TEF",
  "dateObserved": "2016-11-30T07:00:00.00Z",
  "location": {
    "type": "Point",
    "coordinates": [
      -4.754444444,
      41.640833333
    ]
  },
  "precipitation": 0,
  "pressureTendency": 0.5,
  "relativeHumidity": 1,
  "source": "http://www.aemet.es",
  "temperature": 3.3,
  "windDirection": 135,
  "windSpeed": 2,
```

```
  "illuminance": 1000,
  "refDevice": "device-0A3478",
  "streamGauge": 50,
  "snowHeight": 20,
  "uVIndexMax": 1.0
}
```


WeatherObserved NGSI-v2 normalized Example

Here is an example of a WeatherObserved in JSON-LD format as normalized. This is compatible with NGSI-v2 when not using options and returns the context data of an individual entity.

show/hide example


```
{
  "id": "Valladolid.2016-11-30T07-00-00.00Z",
  "type": "WeatherObserved",
  "dateObserved": {
    "type": "DateTime",
    "value": "2016-11-30T07:00:00.00Z"
  },
  "illuminance": {
    "type": "Number",
    "value": 1000
  },
  "temperature": {
    "type": "Number",
    "value": 3.3
  },
  "precipitation": {
    "type": "Number",
    "value": 0.1
  },
  "atmosphericPressure": {
    "type": "Number",
    "value": 938.9
  },
  "pressureTendency": {
    "type": "Number",
    "value": 0.5
  },
  "refDevice": {
    "type": "Text",
    "value": "device-0A3478"
  },
  "source": {
    "type": "Text",
    "value": "http://www.aemet.es"
  },
  "windSpeed": {
    "type": "Number",
    "value": 2
  },
  "location": {
    "type": "geo:json",
    "value": {
      "type": "Point",
      "coordinates": [
        -4.754444444,
        41.640833333
      ]
    }
  },
  "address": {
    "type": "StructuredValue",
    "value": {
      "addressLocality": "Valladolid",
      "addressCountry": "ES"
    }
  },
  "dataProvider": {
    "type": "Text",
    "value": "TEF"
  },
  "windDirection": {
    "type": "Number",
    "value": 135
```

```
  },
  "relativeHumidity": {
    "type": "Number",
    "value": 0.15
  },
  "streamGauge": {
    "type": "Number",
    "value": 50
  },
  "snowHeight": {
    "type": "Number",
    "value": 20
  },
  "uVIndexMax": {
    "type": "Number",
    "value": 1.0
  }
}
```


WeatherObserved NGSI-LD key-values Example

Here is an example of a WeatherObserved in JSON-LD format as key-values. This is compatible with NGSI-LD when using `options=keyValues` and returns the context data of an individual entity.

show/hide example


```
{
  "id": "urn:ngsi-ld:WeatherObserved:Spain-WeatherObserved-Valladolid-2016-11-30T07:00:00.00Z",
  "type": "WeatherObserved",
  "address": {
    "addressLocality": "Valladolid",
    "addressCountry": "ES"
  },
  "atmosphericPressure": 938.9,
  "dataProvider": "TEF",
  "dateObserved": "2016-11-30T07:00:00.00Z",
  "illuminance": 1000,
  "location": {
    "type": "Point",
    "coordinates": [
      -4.754444444,
      41.640833333
    ]
  },
  "precipitation": 0,
  "pressureTendency": 0.5,
  "refDevice": "urn:ngsi-ld:Device:device-0A3478",
  "relativeHumidity": 1,
  "snowHeight": 20,
  "source": "http://www.aemet.es",
  "streamGauge": 50,
  "temperature": 3.3,
  "uVIndexMax": 1.0,
  "windDirection": 135,
  "windSpeed": 2,
  "@context": [
    "https://smart-data-models.github.io/dataModel.Weather/context.jsonld",
    "https://raw.githubusercontent.com/smart-data-models/dataModel.Weather/master/context.jsonld"
  ]
}
```


WeatherObserved NGSI-LD normalized Example

Here is an example of a WeatherObserved in JSON-LD format as normalized. This is compatible with NGSI-LD when not using options and returns the context data of an individual entity.

show/hide example

```
{
  "id": "urn:ngsi-ld:WeatherObserved:Spain-WeatherObserved-Valladolid-2016-11-30T07:00:00.00Z",
  "type": "WeatherObserved",
  "address": {
    "type": "Property",
    "value": {
      "addressLocality": "Valladolid",
      "addressCountry": "ES"
    }
  },
  "atmosphericPressure": {
    "type": "Property",
    "value": 938.9
  },
  "dataProvider": {
    "type": "Property",
    "value": "TEF"
  },
  "dateObserved": {
    "type": "Property",
    "value": {
      "@type": "DateTime",
      "@value": "2016-11-30T07:00:00.00Z"
    }
  },
  "illuminance": {
    "type": "Property",
    "value": 1000
  },
  "location": {
    "type": "GeoProperty",
    "value": {
      "type": "Point",
      "coordinates": [
        -4.754444444,
        41.640833333
      ]
    }
  },
  "precipitation": {
    "type": "Property",
    "value": 0
  },
  "pressureTendency": {
    "type": "Property",
    "value": 0.5
  },
  "refDevice": {
    "type": "Relationship",
    "object": "urn:ngsi-ld:Device:device-0A3478"
  },
  "relativeHumidity": {
    "type": "Property",
    "value": 1
  },
  "snowHeight": {
    "type": "Property",
    "value": 20
  },
  "source": {
    "type": "Property",
    "value": "http://www.aemet.es"
  },
  "streamGauge": {
    "type": "Property",
    "value": 50
  },
  "temperature": {
    "type": "Property",
    "value": 3.3
  },
  "uVIndexMax": {
    "type": "Property",
    "value": 1.0
  },
  "windDirection": {
    "type": "Property",
    "value": 135
  },
  "windSpeed": {
    "type": "Property",
    "value": 2
  },
  "@context": [
    "https://raw.githubusercontent.com/smart-data-models/dataModel.Weather/master/context.jsonld"
  ]
}
```

See FAQ 10 to get an answer on how to deal with magnitude units

---