

a. GET /current?lat={lat}&lon={lon} for values {lat} as 40.730610 and {lon} as -73.935242

GET /current?lat={lat}&lon={lon} Returns a Current Observation - Given a lat/lon.

Implementation Notes

Returns a Current Observation - given a lat, and a lon.

Response Class (Status 200)

An Observation Group object.

- Model | Example Value

```
{
  "count": "1",
  "data": [
    {
      "city_name": "Raleigh",
      "state_code": "NC",
      "country_code": "US",
      "timezone": "America/New_York",
      "lat": 38,
      "lon": -78.25,
      "station": "KRDU",
      "sources": [
        "rtma"
      ],
      "vis": 10000,
      "rh": 75,
      "dewpt": 12,
      "wind_dir": 125,
      "wind_cdir": "ENE",
      "wind_cdir_full": "East-North-East",
      "wind_speed": 5.85,
      "gust": 9,
      "temp": 13.85,
```

```
{
  "app_temp": 14.85,
  "clouds": 42,
  "weather": {
    "icon": "c02",
    "code": "802",
    "description": "Broken clouds"
  },
  "datetime": "2017-03-15:13",
  "ob_time": "2017-03-15 13:11",
  "ts": 1490990400,
  "sunrise": "06:22",
  "sunset": "19:34",
  "slp": 1013.12,
  "pres": 1010,
  "aqi": 50,
  "uv": 6.5,
  "solar_rad": 300.4,
  "ghi": 450.4,
  "dni": 450.4,
  "dhi": 450.4,
  "elev_angle": 37,
  "hour_angle": 45,
  "pod": "string",
  "precip": 2,
  "snow": 10
}
]
```

Response Content Type
[Parameters](#)

application/json

Parameter	Value
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lat	<input type="text" value="40.730610"/>
-----	--

lon	<input type="text" value="-73.935242"/>
-----	---

include	<input type="text"/>
---------	----------------------

marine	<input type="text"/>
--------	----------------------

units	<input type="text"/>
-------	----------------------

lang	
------	--

Parameter	Value
-----------	-------

callback	<input type="text"/>
----------	----------------------

key	<input type="text"/>
-----	----------------------

key	<input type="text" value="eadb638f6b86dcf78"/>
-----	--

Response Messages

HTTP Status Code	Reason	Response Model
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default	No Data.	
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Model

Example Value

```
{
  "code": 0,
  "message": "string"
}
```

Try it out!

[Hide Response](#)

Curl

```
curl -X GET --header 'Accept: application/json' 'https://api.weatherbit.io/v2.0/current?lat=40.730610%20&lon=-73.935242&key=136073d283fb48feadb638f6b86dcf78'
```

Request URL

```
https://api.weatherbit.io/v2.0/current?lat=40.730610%20&lon=-73.935242&key=136073d283fb48feadb638f6b86dcf78
```

Response Body

```
{
  "count": 1,
  "data": [
    {
```

```
"app_temp": 13.9,  
"aqi": 52,  
"city_name": "Blissville",  
"clouds": 86,  
"country_code": "US",  
"datetime": "2022-11-01:05",  
"dewpt": 12.9,  
"dhi": 0,  
"dni": 0,  
"elev_angle": -63.4,  
"ghi": 0,  
"gust": 3.9589844,  
"h_angle": -90,  
"lat": 40.73061,  
"lon": -73.935242,  
"ob_time": "2022-11-01 05:42",  
"pod": "n",  
"precip": 0,  
"pres": 1013.5,  
"rh": 93,  
"slp": 1013.6201,  
"snow": 0,  
"solar_rad": 0,  
"sources": [  
    "rtma"  
],  
"state_code": "NY",  
"station": "F3259",  
"sunrise": "11:26",  
"sunset": "21:52",  
"temp": 13.9,  
"timezone": "America/New_York",  
"ts": 1667281339,
```

```
    "uv": 0,  
    "vis": 12,  
    "weather": {  
      "description": "Broken clouds",  
      "code": 803,  
      "icon": "c03n"  
    },  
    "wind_cdir": "SSW",  
    "wind_cdir_full": "south-southwest",  
    "wind_dir": 193,  
    "wind_spd": 1.9837484  
  }  
]  
}
```

Response Code

200

Response Headers

```
{  
  "content-type": "application/json; charset=utf-8",  
  "keep-alive": "timeout=5"  
}
```

b. GET /forecast/3hourly?postal_code={postal_code}

- - GET /forecast/hourly?postal_code={postal_code}

- Returns an hourly forecast - Given a Postal Code.

- Implementation Notes

- Returns an hourly forecast, where each point represents a one hour period. Every point has a datetime string in the format "YYYY-MM-DD:HH". Time is UTC.

- Response Class (Status 200)

- A forecast object.

- Model

- Example Value

```
{
  "city_name": "Raleigh",
  "state_code": "NC",
  "country_code": "US",
  "lat": "38.25",
  "lon": "-78.00",
  "timezone": "America/New_York",
  "data": [
    {
      "ts": "1551718800",
      "timestamp_local": "2019-03-04T12:00:00",
      "timestamp_utc": "2019-03-04T17:00:00",
      "datetime": "2019-03-04:17",
      "snow": 10.45,
      "snow_depth": 45,
      "precip": 1.1,
      "temp": -1.5,
      "dewpt": -4,
      "app_temp": 4.5,
```

```
o      "rh": 95,  
o      "clouds": 100,  
o      "weather": {  
o        "icon": "s02d",  
o        "code": "601",  
o        "description": "Snow"  
o      },  
o      "slp": 1012.89,  
o      "pres": 1005,  
o      "uv": 6.5,  
o      "solar_rad": 300,  
o      "ghi": 1000,  
o      "dhi": 200,  
o      "dni": 400,  
o      "vis": 1,  
o      "pod": "d",  
o      "pop": 75,  
o      "wind_spd": 13.85,  
o      "wind_gust_spd": 16.85,  
o      "wind_dir": 105,  
o      "wind_cdir": "ENE",  
o      "wind_cdir_full": "East-North-East"  
o    }  
o  ]
```

```
}
```

Response Content Type

application/json

[Parameters](#)

Parameter Value

postal_code

country

units

lang

callback

hours

Parameter	Value
-----------	-------

key	
-----	--

key	eadb638f6b86dcf78
-----	-------------------

Response Messages

HTTP Status Code	Reason	Response Model	Headers
------------------	--------	----------------	---------

default	No Data.		
---------	----------	--	--

Model

Example Value

```
{
  "code": 0,
  "message": "string"
}
```

Try it out!

Hide Response

Curl

```
curl -X GET --header 'Accept: application/json' 'https://api.weatherbit.io/v2.0/forecast/hourly?postal_code=28546&hours=3&key=136073d283fb48feadb638f6b86dcf78'
```

Request URL

```
https://api.weatherbit.io/v2.0/forecast/hourly?postal_code=28546&hours=3&key=136073d283fb48feadb638f6b86dcf78
```

Response Body

```
{
  "error": "Your API key does not allow access to this endpoint."
}
```

Response Code

403

Response Headers

```
{  
  "content-type": "application/json; charset=utf-8",  
  "keep-alive": "timeout=5"  
}
```