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

Current Weather Data

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

```json
{
  "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"
```

```
        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
```

```
      "ghi": 450.4,
      "dni": 450.4,
      "dhi": 450.4,
      "elev_angle": 37,
      "hour_angle": 45,
      "pod": "string",
      "precip": 2,
      "snow": 10
    }
  ]
}
```

Response Content Type [application/json ▼]

Parameters

Parameter	Value	Description	Parameter Type	Data Type
lat	40.730610	Latitude component of location.	path	double
lon	-73.935242	Longitude component of location.	path	double
include	[▼]	Include 1 hour - minutely forecast in the response	query	string
marine	[▼]	Marine stations only (buoys, oil platforms, etc)	query	string
units	[▼]	Convert to units. Default Metric See units field description	query	string
lang	[▼]	Language (Default: English) See language field description	query	string
callback	[ ]	Wraps return in jsonp callback - Example - callback=func	query	string
key	20cca8bbc2344585b61061accfb549eb	Your registered API key.	query	string

Response Messages

HTTP Status Code	Reason	Response Model	Headers
default	No Data.	Model Example Value	

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

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/current?lat=40.730610&lon=%20-73.935242&key=20cca8bbc2344585b61061accfb549eb'
```

Request URL

```
https://api.weatherbit.io/v2.0/current?lat=40.730610&lon=%20-73.935242&key=20cca8bbc2344585b61061accfb549eb
```

Response Body

```
{
  "count": 1,
  "data": [
    {
      "app_temp": 13.3,
```

```
      "sunset": "21:48",
      "temp": 13.3,
      "timezone": "America/New_York",
      "ts": 1667541788,
      "uv": 0,
      "vis": 0,
      "weather": {
        "description": "Broken clouds",
        "code": 803,
        "icon": "c03n"
      },
      "wind_cdir": "NNW",
      "wind_cdir_full": "north-northwest",
      "wind_dir": 349,
      "wind_spd": 0.2137331
    }
  ]
}
```

Response Code

```
200
```

Response Headers

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

2. 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": 10.45,
      "snow_depth": 45,
      "precip": 1.1,
      "temp": -1.5,
      "dewpt": -4,
      "app_temp": 4.5,
      "rh": 95,
      "clouds": 100,
      "weather": {
        "icon": "s02d",
        "code": "601",
        "description": "Snow"
      },
      "slp": 1012.89,
      "pres": 1005,
      "uv": 6.5,
      "solar_rad": 300,
      "ghi": 1000,
      "dhi": 200,
      "dni": 400,
      "vis": 1,
      "pod": "d",
      "pop": 75,
      "wind_spd": 13.85,
      "wind_gust_spd": 16.85,
      "wind_dir": 105,
      "wind_cdir": "ENE",
      "wind_cdir_full": "East-North-East"
    }
```

```
    ]
  }
}
```

Response Content Type [application/json ∨]

Parameters

Parameter	Value	Description	Parameter Type	Data Type
postal_code	28546	Postal Code. Example: 28546	path	integer
country		Country Code (2 letter).	query	string
units	[∨]	Convert to units. Default Metric See units field description	query	string
lang	[∨]	Language (Default: English) See language field description	query	string
callback		Wraps return in jsonp callback. Example - callback=func	query	string

		callback=func		
hours	3	Number of hours to return.	query	integer
key	20cca8bbc2344585b61061accfb549eb	Your registered API key.	query	string

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=20cca8bbc2344585b61061accfb549eb'
```

Request URL

Curl

```
curl -X GET --header 'Accept: application/json' 'https://api.weatherbit.io/v2.0/forecast/hourly?postal_code=28546&hours=3&key=20cca8bbc2344585b61061accfb549eb'
```

Request URL

```
https://api.weatherbit.io/v2.0/forecast/hourly?postal_code=28546&hours=3&key=20cca8bbc2344585b61061accfb549eb
```

Response Body

```
{
  "city_name": "Onslow",
  "country_code": "US",
  "data": [
    {
      "app_temp": 15.2,
      "clouds": 3,
      "clouds_hi": 0,
      "clouds_low": 3,
      "clouds_mid": 0,
      "datetime": "2022-11-04:07",
      "dewpt": 13.9,
      "dhi": 0,
      "dni": 0,
      "ghi": 0,
      "ozone": 252.5,
      "pod": "n",
      "pop": 0,
```

```
      "vis": 13.096,
      "weather": {
        "code": 801,
        "icon": "c02n",
        "description": "Few clouds"
      },
      "wind_cdir": "NNE",
      "wind_cdir_full": "north-northeast",
      "wind_dir": 19,
      "wind_gust_spd": 5.52,
      "wind_spd": 2.84
    }
  ],
  "lat": "34.774",
  "lon": "-77.3781",
  "state_code": "NC",
  "timezone": "America/New_York"
}
```

Response Code

```
200
```

Response Headers

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