Historical Weather API (daily)

This API returns historical weather data from our network of over 120,000 stations that report weather observations on a daily basis. This is daily historical data, and a request will return data from data sources within 15-25km of the requested point. This API returns **daily** data. For hourly historical data, see the Hourly Historical Weather API (/api/weather-history-hourly).

The following per API call limitations apply (See pricing (/pricing)):

- Trial Plan: 7 days per API call.
- *Pro / Business / Enterprise plans: 1 month of data per API call.
- Other plan(s): No access

***For convenience, up to 1 year of data can be requested per API call. However, requests that exceed 1 month will count as multiple requests against the plan daily quota. Example: 1 year = 12 requests, 6 months = 6 requests, etc.**

All parameters should be supplied to the Weather API as query string parameters (https://en.wikipedia.org/wiki/Query_string).

Base URL

HTTP: **http://api.weatherbit.io/v2.0/history/daily**
HTTPS: **https://api.weatherbit.io/v2.0/history/daily**
Supported Methods: GET

Request Parameters

key=[key] (REQUIRED)

- `key` - Your API Key.

start_date=[YYYY-MM-DD] (REQUIRED)

end_date=[YYYY-MM-DD] (REQUIRED)

units=[units](optional)

- `M` - **[DEFAULT]** Metric (Celcius, m/s, mm)
- `S` - Scientific (Kelvin, m/s, mm)
- `I` - Fahrenheit (F, mph, in)

API Endpoints

Description	Required Parameters	Example(s)
Get history by lat/lon **(Recommended)**	lat, lon, start_date, end_date	&lat=38.123&lon=-78.543&start_date=2022-04-15&end_date=2022-04-16
Get history by city name	city, state(optional), country (optional), start_date, end_date	&city=Raleigh,NC&start_date=2022-04-15&end_date=2022-04-16
Get history by postal code	postal_code, country (optional), start_date, end_date	&postal_code=27601&country=US&start_date=2022-04-15&end_date=2022-04-16
Get history by city id	city_id, start_date, end_date	&city_id=8953360&start_date=2022-04-15&end_date=2022-04-16
Get history by ICAO or station id **[Use with Caution]** (/faq#api-station-q)	station, start_date, end_date	&station=KRDU&start_date=2022-04-15&end_date=2022-04-16

Example Request:

```
https://api.weatherbit.io/v2.0/history/daily?postal_code=27601&country=US&start_date=2022-04-15&end_date=2022-04-16&key=API_KEY
```

Example Response (JSON):


```
{
   "timezone":"America\/New_York",
   "state_code":"NC",
   "lat":35.7721,
   "lon":-78.63861,
   "country_code":"US",
   "station_id":"723060-13722",
   "sources":["723060-13722", "USC00445050", "USW00013732"],
   "data":[
      {
         "rh":70.2,
         "wind_spd":3.8,
         "slp":1022,
         "max_wind_spd":6.7,
         "max_wind_dir":220,
         "max_wind_spd_ts":1483232400,
         "wind_gust_spd":12.7,
         "min_temp_ts":1483272000,
         "max_temp_ts":1483308000,
         "dewpt":1.8,
         "snow":0,
         "snow_depth":1.0,
         "precip":10.5,
         "precip_gpm":13.5,
         "wind_dir":189,
         "max_dhi":736.3,
         "dhi":88,
         "max_temp":10,
         "pres":1006.4,
         "max_uv":5,
         "t_dhi":2023.6,
         "datetime":"2022-04-15",
         "temp":7.86,
         "min_temp":5,
         "clouds":43,
         "ts":1483228800
      }, ...
   ],
   "city_name":"Raleigh",
   "city_id":"4487042"
}
```


ield Decriptions:

- `lat:` Latitude (Degrees).
- `lon:` Longitude (Degrees).
- `timezone:` Local IANA Timezone.
- `city_name:` City name.
- `city_id:` City ID.
- `station_id:` Nearest station. [Deprecated]
- `country_code:` Country abbreviation.
- `state_code:` State abbreviation/code.
- `sources:` List of stations used in response.
- `data: [`

- `datetime:` Date (YYYY-MM-DD).
- `ts:` Timestamp UTC (Unix Timestamp).
- `pres:` Average pressure (mb).
- `slp:` Average sea level pressure (mb).
- `wind_spd:` Average wind speed (Default m/s).
- `wind_gust_spd:` Wind gust speed (m/s).
- `max_wind_spd:` Maximum 2 minute wind speed (m/s).
- `wind_dir:` Average wind direction (degrees).
- `max_wind_dir:` Direction of maximum 2 minute wind gust (degrees).
- `max_wind_ts:` Time of maximum wind gust UTC (Unix Timestamp).
- `temp:` Average temperature (default Celcius).
- `max_temp:` Maximum temperature (default Celcius).
- `min_temp:` Minimum temperature (default Celcius).
- `max_temp_ts:` Time of daily maximum temperature UTC (Unix Timestamp).
- `min_temp_ts:` Time of daily minimum temperature UTC (Unix Timestamp).
- `rh:` Average relative humidity (%).
- `dewpt:` Average dew point (default Celcius).
- `clouds:` [Satellite based] (https://modis.gsfc.nasa.gov/) average cloud coverage (%).
- `precip:` Accumulated precipitation (default mm).
- `precip_gpm:` Accumulated precipitation [satellite/radar estimated] (https://www.nasa.gov/mission_pages/GPM/main/index.html) (default mm).
- `snow:` Accumulated snowfall (default mm).
- `snow_depth:` Snow Depth (default mm).
- `solar_rad:` Average solar radiation (W/M^2)
- `t_solar_rad:` Total solar radiation (W/M^2)
- `ghi:` Average global horizontal solar irradiance (http://rredc.nrel.gov/solar/pubs/shining/chap4.html) (W/m^2).
- `t_ghi:` Day total global horizontal solar irradiance (W/m^2) [Clear Sky]
- `max_ghi:` Maximum value of global horizontal solar irradiance in day (W/m^2) [Clear Sky]
- `dni:` Average direct normal solar irradiance (W/m^2) [Clear Sky]
- `t_dni:` Day total direct normal solar irradiance (W/m^2) [Clear Sky]
- `max_dni:` Maximum value of direct normal solar irradiance in day (W/m^2) [Clear Sky]
- `dhi:` Average diffuse horizontal solar irradiance (W/m^2) [Clear Sky]
- `t_dhi:` Day total diffuse horizontal solar irradiance (W/m^2) [Clear Sky]
- `max_dhi:` Maximum value of diffuse horizontal solar irradiance in day (W/m^2) [Clear Sky]
- `max_uv:` Maximum UV Index (0-11+)

- `... ]`

View more API's (/api)

View pricing (/pricing)

Overview (/)

Weather API & Pricing (/pricing)

Features (/features)

Terms and Conditions (/terms)

Privacy Statement (/privacy)

Resources (/api)

Weather API & Documentation (/api)

Frequently Asked Questions (/faq)

Blog (/blog)

Support Forum (/support)

Email us (mailto:support@weatherbit.io)

(https://facebook.com/weatherbitio) (https://twitter.com/weatherbitio) (https://plus.google.com/115775227465399285074) (https://