



Almanac Daily - US - v3

Domain Portfolio: Lifestyle | Domain: Lifestyle | Usage Classification: Standard

Geography: US Only

Attribution Required: No

Attribution Requirements: N/A

Overview

The Almanac API is a public API. The almanac information for this API is sourced from National Weather Service observations stations from a time period spanning 10 to 30 years or more. The information is gathered and provided by the National Climatic Data Center (NCDC) and is re-distributed to all TWC platforms.

HTTP Headers and Data Lifetime - Caching and Expiration

For details on appropriate header values as well as caching and expiration definitions, please see [The Weather Company Data | API Common Usage Guide](#).

Atomic Endpoints	Aggregate Product Names
v3/wx/almanac/daily/1day	v3-wx-almanac-daily-1day
v3/wx/almanac/daily/5day	v3-wx-almanac-daily-5day
v3/wx/almanac/daily/7day	v3-wx-almanac-daily-7day
v3/wx/almanac/daily/10day	v3-wx-almanac-daily-10day
v3/wx/almanac/daily/15day	v3-wx-almanac-daily-15day
v3/wx/almanac/daily/30day	v3-wx-almanac-daily-30day
v3/wx/almanac/daily/45day	v3-wx-almanac-daily-45day

URL Construction

*Note:

- day** and **month** are required parameters for the ‘1day’ endpoint. **startDay** and **startMonth** are required parameters for ‘5day’, ‘7day’, ‘10day’, ‘15day’, ‘30day’ and ‘45day’ endpoints.
- Sample request for ‘1day’ endpoint: `https://api.weather.com/v3/wx/almanac/daily/1day?geocode=33.33,-83.22&format=json&units=h&day=31&month=12&apiKey=yourApiKey`

Valid Parameter Definitions

Parameter Name	Valid Parameter Value	Description	Endpoints
day	any valid day of the month, range 01-31, 1 Day data return	any valid day of the month, range 01-31, 1 Day data return	1day
month	any valid month of the year, range 01-12, 1 Day data return	any valid month of the year, range 01-12, 1 Day data return	1day
startDay	any valid day of the month, range 01-31	any valid day of the month, range 01-31	5day, 7day, 10day, 15day, 30day, 45day
startMonth	any valid month of the year, range 01-12	any valid month of the year, range 01-12	5day, 7day, 10day, 15day, 30day, 45day

Request by Geocode: Required Parameters: geocode, units, format, startDay or day, startMonth or month, apiKey* https://api.weather.com/v3/wx/almanac/daily/5day?geocode=<geocode>&format=<format>&units=<units>&startDay=<startDay>&startMonth=<startMonth>&apiKey=yourApiKey
https://api.weather.com/v3/wx/almanac/daily/5day?geocode=33.33,-83.22&format=json&units=h&startDay=31&startMonth=12&apiKey=yourApiKey
Request by IATA Code: Required Parameters: iataCode, units, format, startDay or day, startMonth or month, apiKey* https://api.weather.com/v3/wx/almanac/daily/5day?iataCode=<iataCode>&format=<format>&units=<units>&startDay=<startDay>&startMonth=<startMonth>&apiKey=yourApiKey
https://api.weather.com/v3/wx/almanac/daily/5day?iataCode=DEN&format=json&units=h&startDay=31&startMonth=12&apiKey=yourApiKey
Request by ICAO Code: Required Parameters: icaoCode, units, format, startDay or day, startMonth or month, apiKey* https://api.weather.com/v3/wx/almanac/daily/5day?icaoCode=<icaoCode>&format=<format>&units=<units>&startDay=<startDay>&startMonth=<startMonth>&apiKey=yourApiKey
https://api.weather.com/v3/wx/almanac/daily/5day?icaoCode=KDEN&format=json&units=h&startDay=31&startMonth=12&apiKey=yourApiKey
Request by Place ID: Required Parameters: placeid, units, format, startDay or day, startMonth or month, apiKey* https://api.weather.com/v3/wx/almanac/daily/5day?placeid=<placeid>&format=<format>&units=<units>&startDay=<startDay>&startMonth=<startMonth>&apiKey=yourApiKey
https://api.weather.com/v3/wx/almanac/daily/5day?placeid=ee0214ae7fb1d265f3e4d2509e77557119b2cac9d0ac1013b593c74a1567f2b7&format=json&units=h&startDay=31&startMonth=12&apiKey=yourApiKey
Request by Postal Key: Required Parameters: postalKey, units, format, startDay or day, startMonth or month, apiKey* https://api.weather.com/v3/wx/almanac/daily/5day?postalKey=<postalKey>&format=<format>&units=<units>&startDay=<startDay>&startMonth=<startMonth>&apiKey=yourApiKey
https://api.weather.com/v3/wx/almanac/daily/5day?postalKey=81657:US&format=json&units=h&startDay=31&startMonth=12&apiKey=yourApiKey

Data Elements & Definitions

Note: Field names are sorted alphabetically in the table below for presentation purposes. The table below does not represent the sort order of the API response.

Field Name	Description	Type	Range	Sample	Nulls Allowed
almanac		array			
almanacInterval	Defines the time interval the data was recorded: as a daily value, a monthly value, or an annual value; an average for the entire data set.	[string]	-	D	N
almanacRecordDate	Date of the Almanac record	[ISO]	-	1231	N
almanacRecordPeriod	Number of years compiling records	[integer]	-	30	Y
almanacRecordYearMax	The Year that high was recorded	[ISO]	-	1984	Y
almanacRecordYearMin	The Year that low was recorded	[ISO]	-	1983	Y
precipitationAverage	The Average Precipitation amount to two decimal points of specificity	[decimal]	-	0.16	Y
snowAccumulationAverage	The Average Snow accumulation to one decimal point of specificity	[decimal]	-	2.8	Y
stationId	Unique identifier for a reporting station	[string]	-	93271	N
stationName	The common name of the reporting station. The station name, usually a city or airport location, for a unique station Id. In some cases, the	[string]	-	VAIL	Y

	reporting station is not located in the city itself but in nearby locations such as military bases or official reporting facility.				
temperatureAverageMax	The Average High temperature	[integer]	-	54	Y
temperatureAverageMin	The Average Low temperature	[integer]	-	32	Y
temperatureMean	The Mean Temperature for the period	[integer]	-	43	Y
temperatureRecordMax	The Record High for the day	[integer]	-	75	Y
temperatureRecordMin	The Record Low for the day	[integer]	-	11	Y

JSON Sample

```
// Response Collapsed for Presentation Purposes
{
  almanacInterval:
  [
    "D"
  ],
  almanacRecordDate:
  [
    "1231"
  ],
  almanacRecordPeriod:
  [
    30
  ],
  almanacRecordYearMax:
  [
    2011
  ],
  almanacRecordYearMin:
  [
    1988
  ],
  precipitationAverage:
  [
    1.27
  ],
  snowAccumulationAverage:
  [
    2.8
  ],
  stationId:
  [
    "058575"
  ],
}
```

```
stationName:
[
    "VAIL"
],
temperatureAverageMax:
[
    -3
],
temperatureAverageMin:
[
    -15
],
temperatureMean:
[
    -9
],
temperatureRecordMax:
[
    6
],
temperatureRecordMin:
[
    -21
]
}
```