



## Location Service - Near - v3.0

Domain Portfolio: Utility | Domain: Search | Usage Classification: Standard

Geography: Global

Attribution Required: N/A

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### Overview

The Location Service - Near API provides the ability to lookup valid Personal Weather Station (PWS) station identifiers (stationId), Airports identifiers to retrieve a set of valid identifiers, Ski Resorts, or METAR Station Observations, and distance information matching the request.

- Airport: The response shall include up to 10 Airports nearest the requested location
- Observation: The response shall include up to 10 Observations for METAR Stations nearest the requested location
- PWS: The response shall include up to 10 Personal Weather Stations nearest the requested location
- Ski: The response shall include up to 10 Ski Resorts nearest the requested location

### 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](#).

### URL Construction

Atomic API URL Examples:	Aggregate Product Name
<b>Search Airport by Geocode:</b> Required Parameters: geocode, format, product, apiKey	v3-location-near
https://api.weather.com/v3/location/near?geocode=33.74,-84.39&product=airport&format=json&apiKey=yourApiKey	
<b>Search Observation by Geocode:</b> Required Parameters: geocode, format, product, apiKey	
https://api.weather.com/v3/location/near?geocode=33.74,-84.39&product=observation&format=json&apiKey=yourApiKey	
<b>Search PWS by Geocode:</b> Required Parameters: geocode, format, product, apiKey	
https://api.weather.com/v3/location/near?geocode=33.74,-84.39&product=pws&format=json&apiKey=yourApiKey	
<b>Search Ski Resort by Geocode:</b> Required Parameters: geocode, format, product, apiKey	
https://api.weather.com/v3/location/near?geocode=33.74,-84.39&product=ski&format=json&apiKey=yourApiKey	

Parameter Definitions

Parameter	Name	Description	Example
API Key	apiKey	The “apiKey” is used for access using the api; usually customer specific.	..v3/location/near?apiKey=yourApiKey
Format	format	The format of the response (json)	..v3/location/near?format=json
Product	product	The product is the identifier type used in the query. Valid values include; airport, observation, pws, ski	..v3/location/near?product=airport ..v3/location/near?product=observation ..v3/location/near?product=pws ..v3/location/near?product=ski
Location Parameter	Name	Description	Example
Geocode	geocode	TWC uses valid latitudes and longitude coordinates to identify locations worldwide. Uses WGS84 geocode coordinate reference system. <a href="https://www.w3.org/2003/01/geo/">https://www.w3.org/2003/01/geo/</a> 33.40,83.19 is the manner in which a latitude and longitude is accepted for the weather APIs	..v3/location/near?geocode=34.063,-84.217

Data Elements & Definitions

Field Name	Description	Type	Range	Sample	Nulls Allowed
location	Object for location data	[array]			
latitude	Latitude of the requested location	[decimal]	Any valid latitude value	33.638271,	N
longitude	Longitude of the requested location	[decimal]	Any valid longitude value	-84.429369,	N
distanceKm	Distance from requested location in kilometers	[decimal]		0.4	Y
distanceMi	Distance from requested location in miles	[decimal]		0.25	Y
Fields Unique to PWS					
stationId	The PWS station identifier	[string]		KGAATLAN81	Y
stationName	The station name near the requested location	[string]		Atlanta	N
partnerId	For internal use only and to be disregarded	[string]		null	Y
qcStatus	The indicator to signify whether the station has passed quality control checks: -1=not checked (default value); 0=failed; 1=OK	[string]		1	Y
updateTimeUtc	An epoch time indicating the date of the last update received from the station	[epoch]		1557819905	Y
Fields Unique to Airport					
airportName	The airport names near the requested location	[string]		Hartsfield-Jackson Intl	Y

iataCode	The International Air Transport Association (IATA) airport codes of the requested location	[string]	Any valid IATA code	ATL	Y
icaoCode	The International Civil Aviation Organization (ICAO) airport codes of the requested location	[string]	Any valid ICAO code	KATL	Y
Fields Unique to Ski Resorts					
adminDistrictCode	The internationalized State, Region, District or Province identifier code for 'state' or geopolitical area - level 1 administrative division - codes are ISO 3166-2 compliant	[string]	Any valid state, region, district or province code	GA,	Y
countryCode	ISO Country Code	[string]	Any valid ISO country code	US,	Y
ianaTimeZone	The standard IANA Time Zone for the location requested	[string]	Any valid IANA time zone	America/New_York,	Y
skild	The ski resort identifier near the requested location	[string]		347	Y
skiName	The ski resort name of the requested location	[string]		Sapphire Valley	Y

JSON Sample

Airport Search
<pre>{   "location": {     "latitude":["33.9152806","33.7791264","33.8756111","34.0131667","33.6366996"]     "longitude":["-84.5163528","-84.521366","-84.3019722","-84.5970278","-84.427864"]     "distanceKm":[5.91,13.57,14.68,18.64,28.33]     "distanceMi":[3.67, 8.43, 9.12, 11.58, 17.6]     "airportName":["Dobbins Air","Fulton County","DeKalb-Peachtree","Cobb County","Hartsfield-Jackson Intl"]     "iataCode":["MGE","FTY","PDK","RYY","ATL"]     "icaoCode":["KMGE","KFTY","KPDK","KRYY","KATL"]   } }</pre>
Observation Search
<pre>{   "location": {     "adminDistrictCode":[null,null,null,null,null]     "stationName":["Aberdeen/Amory","Columbus AFB","Haleyville","Columbus","Jasper"]     "countryCode":["US","US","US","US","US"]     "stationId":["KM40","KCBM","K1M4","KGTR","KJFX"]     "ianaTimeZone":["America/Chicago","America/Chicago","America/Chicago","America/Chicago","America/Chicago"]     "obsType":["METAR","METAR","METAR","METAR","METAR"]     "latitude":[33.867,33.65,34.2833,33.45,33.9]     "longitude":[-88.483,-88.45,-87.6,-88.5833,-87.317]     "distanceKm":[36.46,43.36,62.07,67.73,71.34]     "distanceMi":[22.66,26.94,38.57,42.09,44.33]   } }</pre>

PWS Search
<pre>{   "location": {     "stationName":["Atlanta","Atlanta","Atlanta","Forest Park"],     "stationId":["KGAATLAN398","KGAATLAN41","KGAATLAN378","KGAFORES2"],     "latitude":["33.66058","33.68513","33.68098","33.63761"],     "longitude":["-84.46119","-84.45192","-84.48737","-84.35225"],     "distanceKm":[3.4,5.21,6.71,7.48],     "distanceMi":[2.11,3.24,4.17,4.65]     "partnerId":[null,null,null,null],     "qcStatus":[1,1,-1,-1],     "updateTimeUtc":[1557811139,1557797749,null,null]   } }</pre>
Ski Search
<pre>{   "location": {     "adminDistrictCode":["NC","NC","TN"]     "countryCode":["US","US","US"]     "distanceKm":[202.54,246.66,247.72]     "distanceMi":[125.85,153.27,153.92]     "ianaTimeZone":["America/New_York","America/New_York","America/New_York"]     "latitude":["35.089","35.5621","35.7231"]     "longitude":["-83.097","-83.0909","-83.4802"]     "skild":["347","103","303"]     "skiName":["Sapphire Valley","Cataloochee Ski Area","Ober Gatlinburg Ski Resort"]   } }</pre>