



Lifestyle Indices - Driving Difficulty Index - v2

Domain Portfolio: Forecast | Domain: Lifestyle - Indices | Usage Classification: Standard

Geography: Global

Attribution Required: n/a

Attribution Requirements: n/a

Your content licensing agreement with TWC determines the number of days returned in the API response and is constrained by the API Key that is provided to your company.

Overview

The Forecast Indices API is sourced from the TWC Forecast system. The Driving Difficulty index provides indices of driving difficulty, or road weather conditions.

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:	
DrivingDifficulty - Current Conditions API	
Request by Geocode (Latitude & Longitude): Required Parameters: geocode, language, format https://api.weather.com/v2/indices/drivingDifficulty/current?geocode=33.74,-84.39&language=en-US&format=<json>&apiKey=yourApiKey	Aggregate Product Name
https://api.weather.com/v2/indices/drivingDifficulty/current?geocode=33.74,-84.39&language=en-US&format=json&apiKey=yourApiKey	v2idxDriveCurrent
Request by Postal Code: Required Parameters: postalCode, countryCode, language, format https://api.weather.com/v2/indices/drivingDifficulty/current?postalCode=94608&countryCode=US&format=<json>&language=en-US&apiKey=yourApiKey	Aggregate Product Name
https://api.weather.com/v2/indices/drivingDifficulty/current?postalCode=94608&countryCode=US&format=json&language=en-US&apiKey=yourApiKey	v2idxDriveCurrent
DrivingDifficulty - Daypart API	
Request by Geocode (Latitude & Longitude): Required Parameters: geocode, language, format https://api.weather.com/v2/indices/drivingDifficulty/daypart/<duration>?geocode=33.74,-84.39&language=en-US&format=<json>&apiKey=yourApiKey	Aggregate Product Name
https://api.weather.com/v2/indices/drivingDifficulty/daypart/3day?geocode=33.74,-84.39&language=en-US&format=json&apiKey=yourApiKey	v2idxDriveDaypart3
https://api.weather.com/v2/indices/drivingDifficulty/daypart/5day?geocode=33.74,-84.39&language=en-US&format=json&apiKey=yourApiKey	v2idxDriveDaypart5
https://api.weather.com/v2/indices/drivingDifficulty/daypart/7day?geocode=33.74,-84.39&language=en-US&format=json&apiKey=yourApiKey	v2idxDriveDaypart7
https://api.weather.com/v2/indices/drivingDifficulty/daypart/10day?geocode=33.74,-84.39&language=en-US&format=json&apiKey=yourApiKey	v2idxDriveDaypart10
https://api.weather.com/v2/indices/drivingDifficulty/daypart/15day?geocode=33.74,-84.39&language=en-US&format=json&apiKey=yourApiKey	v2idxDriveDaypart15

Request by Postal Code: Required Parameters: postalCode , countryCode , language , format <a href="https://api.weather.com/v2/indices/drivingDifficulty/daypart/<duration>?postalCode=94608&countryCode=US&format=<json>&language=en-US&apiKey=yourApiKey">https://api.weather.com/v2/indices/drivingDifficulty/daypart/<duration>?postalCode=94608&countryCode=US&format=<json>&language=en-US&apiKey=yourApiKey	Aggregate Product Name
https://api.weather.com/v2/indices/drivingDifficulty/daypart/3day?postalCode=94608&countryCode=US&format=json&language=en-US&apiKey=yourApiKey	v2idxDriveDaypart3
DrivingDifficulty - Hourly API	
Request by Geocode (Latitude & Longitude): Required Parameters: geocode , language , format <a href="https://api.weather.com/v2/indices/drivingDifficulty/hourly/<duration>?geocode=33.74,-84.39&language=en-US&format=<json>&apiKey=yourApiKey">https://api.weather.com/v2/indices/drivingDifficulty/hourly/<duration>?geocode=33.74,-84.39&language=en-US&format=<json>&apiKey=yourApiKey	Aggregate Product Name
https://api.weather.com/v2/indices/drivingDifficulty/hourly/6hour?geocode=33.74,-84.39&language=en-US&format=json&apiKey=yourApiKey	v2idxDriveHourly6
https://api.weather.com/v2/indices/drivingDifficulty/hourly/24hour?geocode=33.74,-84.39&language=en-US&format=json&apiKey=yourApiKey	v2idxDriveHourly24
https://api.weather.com/v2/indices/drivingDifficulty/hourly/48hour?geocode=33.74,-84.39&language=en-US&format=json&apiKey=yourApiKey	v2idxDriveHourly48
https://api.weather.com/v2/indices/drivingDifficulty/hourly/72hour?geocode=33.74,-84.39&language=en-US&format=json&apiKey=yourApiKey	v2idxDriveHourly72
https://api.weather.com/v2/indices/drivingDifficulty/hourly/120hour?geocode=33.74,-84.39&language=en-US&format=json&apiKey=yourApiKey	v2idxDriveHourly120
https://api.weather.com/v2/indices/drivingDifficulty/hourly/240hour?geocode=33.74,-84.39&language=en-US&format=json&apiKey=yourApiKey	v2idxDriveHourly240
https://api.weather.com/v2/indices/drivingDifficulty/hourly/360hour?geocode=33.74,-84.39&language=en-US&format=json&apiKey=yourApiKey	v2idxDriveHourly360
Request by Postal Code: Required Parameters: postalCode , countryCode , language , format <a href="https://api.weather.com/v2/indices/drivingDifficulty/hourly/<duration>?postalCode=94608&countryCode=US&format=<json>&language=en-US&apiKey=yourApiKey">https://api.weather.com/v2/indices/drivingDifficulty/hourly/<duration>?postalCode=94608&countryCode=US&format=<json>&language=en-US&apiKey=yourApiKey	Aggregate Product Name
https://api.weather.com/v2/indices/drivingDifficulty/hourly/24hour?postalCode=94608&countryCode=US&format=json&language=en-US&apiKey=yourApiKey	v2idxDriveHourly24

Data Elements & Definitions

API Name	Field Name	Description	Type	Range	Sample	Nulls Allowed	Usage
Repeating Elements: Unique to Current							
	obsTime	Time observation is valid	[epoch]		1369252800	N	Display As Provided
	obsTimeLocal	Time observation is valid ... in local, but at top of next UTC hour	[ISO]		2013-05-22T20:00:00-0400	N	Display As Provided
Repeating Elements: Unique to Forecast							
	fcstValid	Time forecast is valid ... start of the forecast period, always 7am local time.	[epoch]		1369306800	N	Display As Provided
	fcstValidLocal	Time forecast is valid ... start of the forecast period, always 7am local time.	[ISO]		2013-05-23T07:00:00-0400	N	Display As Provided
Repeating Elements: Common Per Time Segment							
Unique to Hourly	dow	Forecast valid day of week	[string]		Wednesday	N	Display As Provided
	num	Daily Segment (24hour)- Forecast valid day number. Day 0 = 1st valid day Daypart Segment (12hour) - Sequential daypart number, where 1 = daytime of Day 0 Short-Range - Sequential hour number, where 1 = first available 15-minute timestep of forecast, usually <= 15 minutes from “now” Long - Range - Sequential hour number, where 1 = first available hour of forecast, usually <= 1hr from “now”	[integer]		21	N	Display As Provided
	dayInd	Day / Night Indicator	[string]	D, N	D	N	Display As Provided
Unique to Daypart	daypartName	Name of 12hr daypart, not including day names in first 48hrs	[string]		Tomorrow	N	Display As Provided
Atomic Indices							
Driving Difficulty Index	drivingDifficultyCategory	Descriptive text of Driving Difficulty Index	[string]		Ponding	N	Display As Provided
	drivingDifficultyIndex	Index of driving difficulty, or road weather conditions. 0=none, 1=windy, 2=foggy, 3=wet, 4=ponding, 5=snowy, 6=icy	[integer]	0-6	4	N	Display As Provided

JSON Sample

JSON Sample - Current Conditions	JSON Sample - 15 Minute
<pre>{ "metadata": {}, "drivingDifficultyIndexCurrent": { "obsTime": 1458917100, "obsTimeLocal": "2016-03-25T10:45:00-0400", "dow": "Friday", "dayInd": "D", "drivingDifficultyIndex": 0, "drivingDifficultyCategory": "None" } }</pre>	<pre>{ "metadata": {}, "drivingDifficultyIndex15minute": { {//JSON payload}, "fcstValid": [], {//JSON payload}, "fcstValidLocal": [], {//JSON payload}, "num": [], {//JSON payload}, "dow": [], {//JSON payload}, "dayInd": [], {//JSON payload}, "drivingDifficultyIndex": [], {//JSON payload}, "drivingDifficultyCategory": [] {//JSON payload}, } }</pre>
JSON Sample - Hourly	JSON Sample - Daypart
<pre>{ "metadata": {}, "drivingDifficultyIndex1hour": { {//JSON payload}, "fcstValid": [], {//JSON payload}, "fcstValidLocal": [], {//JSON payload}, "num": [], {//JSON payload}, "dow": [], {//JSON payload}, "dayInd": [], {//JSON payload}, "drivingDifficultyIndex": [], {//JSON payload}, "drivingDifficultyCategory": [] {//JSON payload}, } }</pre>	<pre>{ "metadata": {}, "drivingDifficultyIndex12hour": { {//JSON payload}, "fcstValid": [], {//JSON payload}, "fcstValidLocal": [], {//JSON payload}, "dayInd": [], {//JSON payload}, "num": [], {//JSON payload}, "daypartName": [], {//JSON payload}, "drivingDifficultyIndex": [], {//JSON payload}, "drivingDifficultyCategory": [] {//JSON payload}, } }</pre>