

Lifestyle Indices - Driving Difficulty Index - v2

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

Attribution Required: n/a

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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

Geography: Global

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</json>					
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</json>					
https://api.weather.com/v2/indices/drivingDifficulty/current?postalCode=94608&countryCode=US&format=json&language=en-US&apiKey=yourApiKey					
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</json></duration>					
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	Aggregate Product Name				

https://api.weather.com/v2/indices/drivingDifficulty/daypart/ <duration>?postalCode=94608&countryCode=US&format=<json>&language=en-US&apiKey=yourApiKey</json></duration>			
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 https://api.weather.com/v2/indices/drivingDifficulty/hourly/ <duration>?geocode=33.74,-84.39&language=en-US&format=<json>&apiKey=yourApiKey</json></duration>	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 https://api.weather.com/v2/indices/drivingDifficulty/hourly/ <duration>?postalCode=94608&countryCode=US&format=<json>&language=en-US&apiKey=yourApiKey</json></duration>	Aggregate Product Name		
https://api.weather.com/v2/indices/drivingDifficulty/hourly/24hour?postalCode=94608&countryCode=US&format=json&language=en-US&apiKey=yourApiKey	v2idxDriveHourly24		
DrivingDifficulty - Fifteen Minute API	<u> </u>		
Request by Geocode (Latitude & Longitude): Required Parameters: geocode, language, format https://api.weather.com/v2/indices/drivingDifficulty/fifteenminute?geocode=33.74,-84.39&language=en-US&format= <json>&apiKey=yourApiKey</json>	Aggregate Product Name		
https://api.weather.com/v2/indices/drivingDifficulty/fifteenminute?postalCode=94608&countryCode=US&format=json&language=en-US&apiKey=yourApiKey	v2idxDriveFifteenMinute		

Data Elements & Definitions

API Name	Field Name	Description	Туре	Range	Sample	Nulls Allowed	Translated	Usage
Repeating Elements: Uniqu	e to Current							
	obsTime	Time observation is valid	[epoch]		1369252800	N	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	Ν	Display As Provided
Repeating Elements: Uniqu	e to Forecast					•		
	fcstValid	Time forecast is valid start of the forecast period, always 7am local time.	[epoch]		1369306800	N	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	Ν	Display As Provided
Repeating Elements: Comm	non Per Time Segment							
Unique to Hourly	dow	Forecast valid day of week	[string]		Wednesday	N	Y	Display As Provided
	num	Daily Segment (24hour)- Forecast valid day number. Day 0 = 1st valid day	[integer]		21	N	N	Display As Provided
		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"						
	dayInd	Day / Night Indicator	[string]	D, N	D	N	N	Display As Provided
Unique to Daypart	daypartName	Name of 12hr daypart, not including day names in first 48hrs	[string]		Tomorrow	N	Y	Display As Provided
Atomic Indices								
Driving Difficulty Index	drivingDifficultyCategory	Descriptive text of Driving Difficulty Index	[string]		Ponding	N	Y	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	N	Display As Provided

JSON Sample

```
JSON Sample - Current Conditions
                                                                                                                            JSON Sample - 15 Minute
 "metadata": {
                                                                                                                              "metadata": {
   "language": "en-US",
                                                                                                                                "language": "en-US",
   "transactionId": "1741888809194:2e7a336c07354488b90a316eab27c750",
                                                                                                                                "transactionId": "1741892645643:44179f40e6ac427795e196d199407a28",
   "version": "1",
                                                                                                                                "version": "1",
   "latitude": 33.74,
                                                                                                                                "latitude": 33.74,
   "longitude": -84.39,
                                                                                                                                "longitude": -84.39,
   "expireTimeGmt": 1741889387,
                                                                                                                                "expireTimeGmt": 1741892997,
    "statusCode": 200
                                                                                                                                "statusCode": 200
 "drivingDifficultyIndexCurrent": {
                                                                                                                             "drivingDifficultyIndex15minute": {
   "obsTime": 1741888787,
                                                                                                                                "fcstValid": [
                                                                                                                                  1741892400,
   "obsTimeLocal": "2025-03-13T13:59:47-0400",
   "dow": "Thursday",
                                                                                                                                  1741893300
   "dayInd": "D",
   "drivingDifficultyIndex": 0,
                                                                                                                                "fcstValidLocal": [
   "drivingDifficultyCategory": "None"
                                                                                                                                  "2025-03-13T15:00:00-0400",
                                                                                                                                  "2025-03-13T15:15:00-0400"
                                                                                                                                "num": [
                                                                                                                                  2
                                                                                                                                ],
"dow": [
                                                                                                                                  "Thursday",
                                                                                                                                  "Thursday"
                                                                                                                                "dayInd": [
"D",
                                                                                                                                  "D"
                                                                                                                                "drivingDifficultyIndex": [
                                                                                                                                  0,
                                                                                                                                  0
                                                                                                                                "drivingDifficultyCategory": [
                                                                                                                                  "None",
                                                                                                                                  "None"
```

JSON Sample - Hourly JSON Sample - Daypart "metadata": { "metadata": { "language": "en-US", "language": "en-US", "transactionId": "1741888974909:aca4a09341504828bc7c70eb0b53fd85", "transactionId": "1741892471748:e16f6790116a49188c9bce47a72f6054", "version": "1", "version": "1", "latitude": 33.74, "latitude": 33.74, "longitude": -84.39, "longitude": -84.39, "expireTimeGmt": 1741892997, "expireTimeGmt": 1741890180, "statusCode": 200 "statusCode": 200 "drivingDifficultyIndex1hour": { "drivingDifficultyIndex12hour": { "fcstValid": ["fcstValid": [1741892400, 1741863600, 1741896000 1741906800 "fcstValidLocal": ["fcstValidLocal": ["2025-03-13T15:00:00-0400", "2025-03-13T07:00:00-0400", "2025-03-13T16:00:00-0400" "2025-03-13T19:00:00-0400" "num": ["dayInd": ["D", 1, 2 "N" "dow": ["num": ["Thursday", 1, "Thursday" 2 "daypartName": ["dayInd": ["Ď", "Today", "D" "Tonight" "drivingDifficultyIndex": ["drivingDifficultyIndex": [0, 0 "drivingDifficultyCategory": ["drivingDifficultyCategory": ["None", "Ponding", "None" "Ponding"