User Manual

Supported Fields

- datetime
- air_temperature
- report_type
- wban
- weather_station
- sea_level_pressure
- dew_point_temperature
- elevation
- visibility_distance
- precipitation_hour
- precipitation_depth_in_mm
- latitude
- longitud

Usage

location's value should be separated by `common` You can give a `city name` or `longitude, latitude`

```
location=Boston, MA, USA
location=-71.05,42.35
```

Example

Select data with fields `temperature`, `sea_level_pressure` and nearby `"Boston, MA, USA"`

```
http://<SERVER>/?
location=Boston,MA,USA&fields=air_temperature,weather_station
```

Select data with some fields `temperature`, `sea_level_pressure` and nearby `longitude=-71.05, latitude=42.35`

```
http://<SERVER>/?location=-71.05,42.35
```

Select data with all avaliable fields and nearby `"Boston, MA, USA"`

```
http://<SERVER>/?location=Boston,MA,USA
```

Select data with all avaliable fields and nearby `"Boston, MA, USA"` with start_time= `2014-03-03` and end_time= `2014-03-26`

```
http://<SERVER>/?location=Boston,MA,USA&start_time=2014-03-03&end_time=2014-03-26
```

Avaliable cities in database

- latitude:-34.15 longitude:19.9 city_name:["N2", "Overberg District Municipality", "Western Cape", "South Africa"]
- latitude:-33.5 longitude:21.283 city_name:["Bell Street", "Ladismith", "Ladismith", "South Cape DC", "Western Cape", "South Africa", "6655"]
- latitude:-33.3 longitude:23.483 city_name:["Suid Street", "Willowmore", "Willowmore", "Western District", "Eastern Cape", "South Africa", "6445"]
- latitude:-33.283 longitude:23.5 city_name:["8th Avenue", "Willowmore", "Willowmore", "Western District", "Eastern Cape", "South Africa", "6445"]
- latitude:-33.2 longitude:20.867 city_name:["8th Street", "Laingsburg", "Laingsburg", "Central Karoo DC", "Western Cape", "South Africa", "6900"]
- latitude:-33.05 longitude:25.717 city_name:["R400", "Western District", "Eastern Cape", "South Africa"]
- latitude:-32.2 longitude:24.55 city_name:["R61", "Graaff-Reinet", "Western District", "Eastern Cape", "South Africa"]
- latitude:-31.548 longitude:28.674 city_name:["R61", "Hairfield", "Transkei District", "Eastern Cape", "South Africa"]
- latitude:-31.533 longitude:28.667 city_name:["Unnamed Road", "Transkei District", "Eastern Cape", "South Africa"]
- latitude:-30.85 longitude:26.883 city_name:["N6", "Drakensberg District", "Eastern Cape", "South Africa"]
- latitude:-30.8 longitude:26.883 city_name:["N6", "Drakensberg District", "Eastern Cape", "South Africa"]
- latitude:-30.4 longitude:30.667 city_name:["Baker Street", "Sezela", "Ugu District Municipality", "KwaZulu-Natal", "South Africa", "4215"]
- latitude:-30.15 longitude:30.067 city_name:["R56", "Ixopo", "Ixopo", "East Griqualand", "KwaZulu-Natal", "South Africa", "3276"]
- latitude:-29.7 longitude:31.05 city_name:["Sugar Cane Road", "Flanders", "Blackburn", "Durban Metro", "KwaZulu-Natal", "South Africa", "4339"]
- latitude:-29.217 longitude:30.0 city_name:["R103", "Mooi River", "Mooi River", "Indlovu DC", "KwaZulu-Natal", "South Africa", "3300"]
- latitude:-26.2 longitude:28.45 city_name:["Lily Road", "Springs NU", "Springs", "East Rand", "Gauteng", "South Africa", "1559"]

- latitude:-25.983 longitude:28.133 city_name:["Old Pretoria Main Road", "Grand Central", "Midrand", "City of Johannesburg Metropolitan Municipality", "Gauteng", "South Africa", "1685"]
- latitude:-24.583 longitude:27.417 city_name:["14", "Sekelbos Street", "Thabazimbi", "Thabazimbi", "Bosveld", "Limpopo", "South Africa", "0387"]
- latitude:-23.867 longitude:29.45 city_name:["12", "Tin Street", "Polokwane Ext 8", "Polokwane", "Central", "Limpopo", "South Africa", "0700"]
- latitude:-23.845 longitude:29.459 city_name:["Veldspaat Street", "Central", "Limpopo", "South Africa"]
- latitude:-23.824 longitude:30.329 city_name:["R71", "Mopani", "Limpopo", "South Africa"]
- latitude:-23.6 longitude:28.383 city_name:["R518", "Bosveld", "Limpopo", "South Africa"]
- latitude:-22.55 longitude:45.4 city_name:["7", "Ranohira", "Ihosy", "Fianarantsoa", "Madagascar"]
- latitude:-22.058 longitude:27.829 city_name:["A15", "Selebi Phikwe", "Selebi-Phikwe", "Central", "Botswana"]
- latitude:-17.822 longitude:25.823 city_name:["Libala Drive", "Hillcrest", "Livingstone", "Livingstone", "Southern", "Zambia"]
- latitude:-17.817 longitude:25.817 city_name:["Libala Drive", "Hillcrest", "Livingstone", "Livingstone", "Southern", "Zambia"]
- latitude:-17.8 longitude:25.817 city_name:["Libala Drive", "Hillcrest", "Livingstone", "Livingstone", "Southern", "Zambia"]
- latitude:-17.633 longitude:48.5 city_name:["44", "Andreba", "Ambatondrazaka", "Toamasina", "Madagascar"]
- latitude:-15.683 longitude:34.967 city_name:["Unnamed Road", "Blantyre", "Southern Region", "Malawi"]
- latitude:-15.679 longitude:34.974 city_name:["Chileka Road", "Blantyre", "Blantyre", "Southern Region", "Malawi"]
- latitude:-15.317 longitude:28.45 city_name:["Great East", "Lusaka", "Lusaka", "Lusaka", "Zambia"]
- latitude:-12.917 longitude:34.267 city_name:["M18", "Nkhotakota", "Nkhotakota", "Central Region", "Malawi"]
- latitude:-11.9 longitude:31.433 city_name:["Unnamed Road", "Mpika", "Northern", "Zambia"]
- latitude:-10.339 longitude:40.182 city_name:["A 19", "Mtwara", "Mtwara", "Mtwara", "Tanzania"]
- latitude:-1.3 longitude:36.917 city_name:["Eldoret Drive", "Nyayo Estate", "Embakasi", "Nairobi", "Nairobi", "Kenya"]
- latitude:0.404 longitude:35.239 city_name:["Airport Path", "Eldoret International Airport", "Uasin Gishu", "Kenya"]
- latitude:1.543 longitude:11.581 city_name:["Oyem Airport", "Woleu", "Woleu-Ntem", "Gabon"]
- latitude:1.583 longitude:11.567 city_name:["N2", "Oyem", "Woleu", "Woleu-Ntem", "Gabon"]

- latitude:1.733 longitude:40.1 city_name:["Wajir Airport Runway", "Wajir Airport", "Wajir", "Wajir", "Kenya"]
- latitude:2.076 longitude:11.493 city_name:["N2", "Bitam", "Ntem", "Woleu-Ntem", "Gabon"]
- latitude:2.083 longitude:11.483 city_name:["Unnamed Road", "Bitam", "Ntem", "Woleu-Ntem", "Gabon"]
- latitude:2.25 longitude:32.9 city_name:["Lira-Kitgum Road", "Lira", "Lira", "Northern Region", "Uganda"]
- latitude:2.283 longitude:32.933 city_name:["Apala Road", "Lira", "Northern Region", "Uganda"]
- latitude:3.117 longitude:35.617 city_name:["Kapenguria - Lodwar Road", "Lodwar", "Turkana County", "Kenya"]
- latitude:6.517 longitude:101.283 city_name:["Unnamed Road", "Sateng Nok", "Mueang Yala District", "Yala", "Thailand", "95000"]
- latitude:6.933 longitude:122.067 city_name:["Gov. Ramos Ave.", "Zamboanga", "Zamboanga Sibugay", "Zamboanga Peninsula", "Philippines"]
- latitude:7.167 longitude:3.333 city_name:["Adedotun", "Abeokuta", "Ogun State", "Nigeria"]
- latitude:7.362 longitude:3.978 city_name:["Airport Road", "Ibadan", "Oyo", "Nigeria"]
- latitude:7.75 longitude:-2.1 city_name:["Unnamed Road", "Wenchi", "Wenchi", "Brong Ahafo", "Ghana"]
- latitude:7.817 longitude:-0.033 city_name:["Port lotniczy Kete-Krachi", "Krachi", "Volta", "Ghana"]
- latitude:8.667 longitude:3.383 city_name:["Sheik Tijani Street", "Shaki", "Oyo", "Nigeria"]
- latitude:9.15 longitude:92.817 city_name:["Unnamed Road", "Malacca", "Nicobar", "Andaman and Nicobar Islands", "India", "744301"]
- latitude:9.183 longitude:105.15 city_name:["54", "Lý Bôn", "Lâm Thành Mậu", "4", "Cà Mau", "Ca Mau", "Vietnam"]

Avaliable longitude, latitude in Database

```
+----+---------+-----------+
| id | latitude | longitude |
+----+---------+-----------+
|    | -34.15  | 19.9      |
|    | -33.5   | 21.283    |
|    | -33.3   | 23.483    |
|    | -33.283 | 23.5      |
|    | -33.2   | 20.867    |
|    | -33.05  | 25.717    |
|    | -32.2   | 24.55     |
|    | -31.548 | 28.674    |
|    | -31.533 | 28.667    |
|    | -30.85  | 26.883    |
|    | -30.8   | 26.883    |
|    | -30.4   | 30.667    |
```

	-30.15	30.067
	-29.7	31.05
	-29.217	30.0
	-29.0	29.883
	-28.95	31.7
	-28.933	31.7
	-28.6	20.35
	-28.567	16.533
	-27.417	31.6
	-26.817	26.017
	-26.722	30.912
	-26.2	28.45
	-25.983	28.133
	-24.583	27.417
	-23.867	29.45
	-23.845	29.459
	-23.824	30.329
	-23.6	28.383
	-22.55	45.4
	-22.333	40.333
	-22.058	27.829
	-22.018	35.313
	-22.0	35.317
	-19.883	32.883
	-19.75	63.37
	-18.533	25.633
	-18.217	28.933
	-18.183	31.467
	-17.932	31.093
	-17.917	31.133
	-17.822	25.823
	-17.817	25.817
	-17.8	25.817
	-17.633	48.5
	-15.683	34.967
	-15.679	34.974
	-15.317	28.45
	-12.917	34.267
	-11.9	31.433
	-10.339	40.182
	-10.267	40.183
	-9.55	16.367
	-8.933	33.467
	-7.669	35.752
	-7.667	35.75
	-6.17	35.753
	-6.167	35.767
	-5.597	12.188
	-5.55	12.183
	-5.083	32.833
	-1.3	36.917

```
|    | 0.404  | 35.239  |
|    | 1.543  | 11.581  |
|    | 1.583  | 11.567  |
|    | 1.733  | 40.1    |
|    | 2.076  | 11.493  |
|    | 2.083  | 11.483  |
|    | 2.25   | 32.9    |
|    | 2.283  | 32.933  |
|    | 3.117  | 35.617  |
|    | 3.122  | 35.609  |
|    | 4.747  | -6.661  |
|    | 4.75   | -6.65   |
|    | 5.333  | 39.567  |
|    | 6.33   | 99.729  |
|    | 6.467  | 7.55    |
|    | 6.474  | 7.562   |
|    | 6.516  | 101.283 |
|    | 6.517  | 101.283 |
|    | 6.933  | 122.067 |
|    | 7.167  | 3.333   |
|    | 7.362  | 3.978   |
|    | 7.75   | -2.1    |
|    | 7.817  | -0.033  |
|    | 8.017  | 110.617 |
|    | 8.667  | 3.383   |
|    | 9.15   | 92.817  |
|    | 9.183  | 105.15  |
|    | 9.267  | 79.3    |
|    | 9.617  | 6.533   |
|    | 9.652  | 6.462   |
|    | 9.767  | 1.091   |
|    | 9.767  | 1.1     |
|    | 9.778  | 98.585  |
|    | 9.983  | 98.617  |
|    | 10.05  | -2.5    |
|    | 10.38  | 114.37  |
+----+---------+-----------+
```