# Hong Kong Observatory
# Open Data API Documentation

| | | |
|---|---|---|
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| Date | : | **Jun, 2019** |

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**API URL**

https://data.weather.gov.hk/weatherAPI/opendata/weather.php

**HTTP Request Method**

GET

**Return Type**

JSON

**Request Example**

https://data.weather.gov.hk/weatherAPI/opendata/weather.php?dataType=flw&lang=en

**Request**

| Parameter | Accepted values | Description |
|-----------|-----------------|-------------|
| dataType | flw<br>fnd<br>rhrread<br>warnsum<br>warningInfo<br>swt | flw: Local Weather Forecast<br>fnd: 9-day Weather Forecast<br>rhrread: Current Weather Report<br>warnsum: Weather Warning Summary<br>warningInfo: Weather Warning Information<br>swt: Special Weather Tips |
| lang | en<br>tc<br>sc | en: English<br>tc: Traditional Chinese<br>sc: Simplified Chinese<br>Default language: en |

**Response**

Local Weather Forecast (flw)

| Parameter | Description | Details |
|---|---|---|
| generalSituation | General Situation | |
| tcInfo | Tropical Cyclone Information | |
| fireDangerWarning | Fire Danger Warning Message | |
| forecastPeriod | Forecast Period | |
| forecastDesc | Forecast Description | |
| outlook | Outlook | |
| updateTime | Update Time | |

9-day Weather Forecast (fnd)

| Parameter | Description | Details | |
|---|---|---|---|
| weatherForecast | Weather Forecast | Return a List | |
| forecastDate | Forecast Date | YYYYMMDD | |
| forecastWeather | Forecast Weather | | |
| forecastMaxtemp | Forecast Maximum Temperature | | |
| forecastMintemp | Forecast Minimum Temperature | | |
| week | Week | | |
| forecastWind | Forecast Wind | | |
| forecastMaxrh | Forecast Maximum Relative Humidity | | |
| forecastMinrh | Forecast Minimum Relative Humidity | | |
| ForecastIcon | Forecast Weather Icon | Weather icon list: https://www.hko.gov.hk/textonly/v2/explain/wxicon_e.htm | |
| soilTemp | Soil Temperature | place | location |
| | | value | value |
| | | unit | unit |
| | | recordTime | record time |
| | | depth | unit: unit |

| | | | value: depth value |
|---|---|---|---|
| seaTemp | Sea Surface Temperature | place | location |
| | | value | value |
| | | unit | unit |
| | | recordTime | record time |

Current Weather Report (rhrread)

| Parameter | Description | Details | |
|---|---|---|---|
| lightning[1] | Lightning | data | place: location |
| | | | occur: true |
| | | startTime | Start Time |
| | | endTime | End Time |
| rainfall | Rainfall | data | unit: unit |
| | | | place: location |
| | | | max[1]: Maximum rainfall record |
| | | | min[1]: Minimum rainfall record |
| | | | Main: Maintenance flag (TRUE/FALSE) |
| | | startTime | Start Time |
| | | endTime | End Time |
| icon | Icon | Return a List Weather icon list: https://www.hko.gov.hk/textonly/v2/explain/wxicon_e.htm | |
| iconUpdateTime | Icon Update Time | | |
| uvindex | UV Index | data | place: location |
| | | | value: value |
| | | | desc: description |
| | | | message[1]: message |
| | | recordDesc | record description |
| updateTime | Update Time | | |
| warningMessage | Warning Message | Return a List. If no data for warning message, empty string will be returned. | |

| rainstormReminder[1] | Rainstorm Reminder | | |
|---|---|---|---|
| specialWxTips[1] | Special Weather Tips | Return a List. | |
| tcmessage[1] | Message of tropical cyclone position | Return a List. | |
| mintempFrom00To09[1] | Minimum temperature from midnight to 9 am | | |
| rainfallFrom00To12[1] | Accumulated rainfall at HKO from midnight to noon | | |
| rainfallLastMonth[1] | Rainfall in last month | | |
| rainfallJanuaryToLastMonth[1] | Accumulated rainfall from January to last month | | |
| temperature | Temperature | data | place: location |
| | | | value: value |
| | | | unit: unit |
| | | recordTime | record time |
| humidity | Humidity | data | unit: unit |
| | | | value: value |
| | | | place: location |
| | | recordTime | record time |

1. Parameter may be missing if the value is null or not available.


Weather Warning Summary (warnsum)

| Parameter | Description | Details |
|---|---|---|
| {Property name} | Warning Statement Code | **WFIRE**: Fire Danger Warning <br> **WFROST**: Frost Warning <br> **WHOT**: Hot Weather Warning |

| | | **WCOLD**: Cold Weather Warning  **WMSGNL**: Strong Monsoon Signal  **WRAIN**: Rainstorm Warning Signal  **WFNTSA**: Special Announcement on Flooding in the northern New Territories  **WL**: Landslip Warning  **WTCSGNL**: Tropical Cyclone Warning Signal  **WTMW**: Tsunami Warning  **WTS**: Thunderstorm Warning | |
|---|---|---|---|
| name | Warning Name | | |
| code | Warning Code | WFIRE | WFIREY |
| | | | WFIRER |
| | | WFROST | WFROST |
| | | WHOT | WHOT |
| | | WCOLD | WCOLD |
| | | WMSGNL | WMSGNL |
| | | WRAIN | WRAINA |
| | | | WRAINR |
| | | | WRAINB |
| | | WFNTSA | WFNTSA |
| | | WL | WL |
| | | WTCSGNL | TC1 |
| | | | TC3 |
| | | | TC8NE |
| | | | TC8SE |
| | | | TC8NW |

| | | | TC8SW |
|---|---|---|---|
| | | | TC9 |
| | | | TC10 |
| | | WTMW | WTMW |
| | | WTS | WTS |
| actionCode | Action Code | ISSUE,<br>REISSUE (WCOLD, WHOT and WFNTSA),<br>CANCEL,<br>EXTEND(WTS)<br>UPDATE (WTS) | |
| issueTime | Issue Time | | |
| expireTime[1] | Expire Time | | |
| updateTime | Update Time | | |

1. Parameter may be missing if the value is null or not available.

Weather Warning Information (warningInfo)

| Parameter | Description | Details |
|---|---|---|
| details | Details | Return a List |
| contents | Contents | Return a List |
| warningStatementCode | Warning Statement Code | **WFIRE**: Fire Danger Warning<br>**WFROST**: Frost Warning<br>**WHOT**: Hot Weather Warning<br>**WCOLD**: Cold Weather Warning<br>**WMSGNL**: Strong Monsoon Signal<br>**WTCPRE8**: Pre-no.8 Special Announcement<br>**WRAIN**: Rainstorm Warning Signal<br>**WFNTSA**: Special Announcement on Flooding in the northern New Territories<br>**WL**: Landslip Warning<br>**WTCSGNL**: Tropical Cyclone Warning Signal<br>**WTMW**: Tsunami Warning |

| | | WTS: Thunderstorm Warning |
|---|---|---|
| subtype | Sub-type of the warning. | Only<br>"fire danger warning"<br>"tropical cyclone warning"<br>"rainstorm warning"<br>have sub types.<br>**WFIRE**:<br>WFIREY(Yellow Fire),<br>WFIRER(Red Fire)<br>**WRAIN**:<br>WRAINA(Amber),<br>WRAINR(Red),<br>WRAINB(Black)<br>**WTCSGNL**:<br>TC1(No. 1),<br>TC3(No. 3),<br>TC8NE(No. 8 North East),<br>TC8SE(No. 8 South East),<br>TC8SW(No. 8 South West),<br>TC8NW(No. 8 North West),<br>TC9(No. 9),<br>TC10(No. 10) |
| updateTime | Update Time | |

Special Weather Tips (swt)

| Parameter | Description | Details |
|---|---|---|
| desc[1] | Tips Content | |
| updateTime[1] | Tips Update Time | |

1. Parameter may be missing if the value is null or not available.

## 2. Earthquake Information API

**Dataset**
- Quick Earthquake Messages
- Locally Felt Earth Tremor Report

**API URL**

https://data.weather.gov.hk/weatherAPI/opendata/earthquake.php

**HTTP Request Method**

GET

**Return Type**

JSON

**Request Example**

https://data.weather.gov.hk/weatherAPI/opendata/earthquake.php?dataType=qem &lang=en

**Request**

| Parameter | Accepted values | Description |
|---|---|---|
| dataType | qem<br>feltearthquake | qem: Quick Earthquake Messages<br>feltearthquake: Locally Felt Earth Tremor Report |
| lang | en<br>tc<br>sc | en: English<br>tc: Traditional Chinese<br>sc: Simplified Chinese<br>Default language: en |

**Response**

Locally Felt Earth Tremor Report

| Parameter | Accepted values | Description |
|---|---|---|
| updateTime | Last update time | |
| mag | Richter magnitude scale | |
| region | Region of the earthquake | |
| intensity | Intensity of the earthquake | |

| lat | Latitude | |
|---|---|---|
| lon | Longitude | |
| details | Earthquake Details | |
| ptime | Date time of the earthquake | |

Quick Earthquake Messages

| Parameter | Description | Details |
|---|---|---|
| lat | Latitude | |
| lon | Longitude | |
| mag | Richter magnitude scale | |
| region | Region | |
| ptime | Earthquake date and time | |
| updateTime | Update Time | |

# 3. Open Data (Climate and Weather Information) API

**Dataset**

- Hourly heights of tides
- Times and heights of high and low tides
- Times of sunrise, sun transit and sunset
- Times of moonrise, moon transit and moonset
- Cloud-to-ground and cloud-to-cloud lightning count
- Latest 10-minute mean visibility
- Daily Mean Temperature
- Daily Maximum Temperature
- Daily Minimum Temperature

**API URL**

https://data.weather.gov.hk/weatherAPI/opendata/opendata.php

**HTTP Request Method**

GET

**Return Type**

JSON or CSV

**Request Example**

http://data.weather.gov.hk/weatherAPI/opendata/opendata.php?dataType=LTMV&lang=en&rformat=csv

**Request**

Hourly heights of tides

| Parameter | Accepted values | Description |
|-----------|-----------------|-------------|
| dataType | HHOT | HHOT: Hourly heights of tides |
| rformat | json<br>csv | Return data format<br>Default return type: CSV |

| station | CCH | Station code: |
| | CLK | CCH: Cheung Chau |
| | CMW | CLK: Chek Lap Kok |
| | KCT | CMW: Chi Ma Wan |
| | KLW | KCT: Kwai Chung |
| | LOP | KLW: Ko Lau Wan |
| | MWC | LOP: Lok On Pai |
| | QUB | MWC: Ma Wan |
| | SPW | QUB: Quarry Bay |
| | TAO | SPW: Shek Pik |
| | TBT | TAO: Tai O |
| | TMW | TBT: Tsim Bei Tsui |
| | TPK | TMW: Tai Miu Wan |
| | WAG | TPK: Tai Po Kau |
| | | WAG: Waglan Island |
| year | 2019 - 2021 | Year |
| month | 1 - 12 | Optional. Pass this parameter with parameter "year" |
| day | 1 - 31 | Optional. Pass this parameter with parameters "year", "month" |
| hour | 1 - 24 | Optional. Pass this parameter with parameters "year", "month", "day" |

Times and heights of high and low tides

| Parameter | Accepted values | Description |
|---|---|---|
| dataType | HLT | HLT: Times and heights of high and low tides |
| rformat | json<br>csv | Return data format<br>Default return type: CSV |

| station | CCH | Station code: |
| --- | --- | --- |
| | CLK | CCH: Cheung Chau |
| | CMW | CLK: Chek Lap Kok |
| | KCT | CMW: Chi Ma Wan |
| | KLW | KCT: Kwai Chung |
| | LOP | KLW: Ko Lau Wan |
| | MWC | LOP: Lok On Pai |
| | QUB | MWC: Ma Wan |
| | SPW | QUB: Quarry Bay |
| | TAO | SPW: Shek Pik |
| | TBT | TAO: Tai O |
| | TMW | TBT: Tsim Bei Tsui |
| | TPK | TMW: Tai Miu Wan |
| | WAG | TPK: Tai Po Kau |
| | | WAG: Waglan Island |
| year | 2019 - 2021 | Year |
| month | 1 - 12 | Optional. Pass this parameter with parameter "year" |
| day | 1 - 31 | Optional. Pass this parameter with parameters "year", "month" |
| hour | 1 - 24 | Optional. Pass this parameter with parameters "year", "month", "day" |

Times of sunrise, sun transit and sunset

| Parameter | Accepted values | Description |
| --- | --- | --- |
| dataType | SRS | SRS: Times of sunrise, sun transit and sunset |
| rformat | json<br>csv | Return data format<br>Default return type: CSV |
| year | 2018 - 2021 | Year |
| month | 1 - 12 | Optional. Pass this parameter with parameter "year" |
| day | 1 - 31 | Optional. Pass this parameter with parameters "year", "month" |

Times of moonrise, moon transit and moonset

| Parameter | Accepted values | Description |
|---|---|---|
| dataType | MRS | MRS: Times of moonrise, moon transit and moonset |
| rformat | json<br>csv | Return data format<br>Default return type: CSV |
| year | 2018 - 2021 | Year |
| month | 1 - 12 | Optional. Pass this parameter with parameter "year" |
| day | 1 - 31 | Optional. Pass this parameter with parameters "year", "month" |

Cloud-to-ground and cloud-to-cloud lightning count

| Parameter | Accepted values | Description |
|---|---|---|
| dataType | LHL | LHL: Cloud-to-ground and cloud-to-cloud lightning count |
| rformat | json<br>csv | Return data format<br>Default return type: CSV |
| lang | en<br>tc<br>sc | en: English<br>tc: Traditional Chinese<br>sc: Simplified Chinese |

Latest 10-minute mean visibility

| Parameter | Accepted values | Description |
|---|---|---|
| dataType | LTMV | LTMV: Latest 10-minute mean visibility |
| rformat | json<br>csv | Return data format<br>Default return type: CSV |
| lang | en<br>tc<br>sc | en: English<br>tc: Traditional Chinese<br>sc: Simplified Chinese |

Daily Mean Temperature

| Parameter | Accepted values | Description |
|---|---|---|
| dataType | CLMTEMP | CLMTEMP: Daily Mean Temperature |
| rformat | json | Return data format |
| | csv | Default return type: CSV |
| station | CCH | CCH: Cheung Chau |
| | CWB | CWB: Clear Water Bay |
| | HKA | HKA: Hong Kong International Airport |
| | HKO | HKO: Hong Kong Observatory |
| | HKP | HKP: Hong Kong Park |
| | HKS | HKS: Wong Chuk Hang |
| | HPV | HPV: Happy Valley |
| | JKB | JKB: Tseung Kwan O |
| | KLT | KLT: Kowloon City |
| | KP | KP: King's Park |
| | KSC | KSC: Kau Sai Chau |
| | KTG | KTG: Kwun Tong |
| | LFS | LFS: Lau Fau Shan |
| | NGP | NGP: Ngong Ping |
| | PEN | PEN: Peng Chau |
| | PLC | PLC: Tai Mei Tuk |
| | SE1 | SE1: Kai Tak Runway Park |
| | SEK | SEK: Shek Kong |
| | SHA | SHA: Sha Tin |
| | SKG | SKG: Sai Kung |
| | SKW | SKW: Shau Kei Wan |
| | SSH | SSH: Sheung Shui |
| | SSP | SSP: Sham Shui Po |
| | STY | STY: Stanley |
| | TC | TC: Tate's Cairn |
| | TKL | TKL: Ta Kwu Ling |
| | TMS | TMS: Tai Mo Shan |
| | TPO | TPO: Tai Po |
| | TU1 | TU1: Tuen Mun Children and Juvenile Home |
| | TW | TW: Tsuen Wan Shing Mun Valley |
| | TWN | TWN: Tsuen Wan |
| | TY1 | TY1: New Tsing Yi Station |

| | | |
|---|---|---|
| | TYW | TYW: Pak Tam Chung (Tsak Yue Wu) |
| | VP1 | VP1: The Peak |
| | WGL | WGL: Waglan Island |
| | WLP | WLP: Wetland Park |
| | WTS | WTS: Wong Tai Sin |
| | YLP | YLP: Yuen Long Park |
| year | 1884 - 2019[1] | Year Range: |
| | | CCH: 1992 to 2019 |
| | | CWB: 2018 to 2019 |
| | | HKA: 1997 to 2019 |
| | | HKO: 1884 to 2019 (Exclude 1940 - 1946) |
| | | HKP: 2007 to 2019 |
| | | HKS: 1989 to 2019 |
| | | HPV: 2008 to 2019 |
| | | JKB: 1991 to 2019 |
| | | KLT: 2008 to 2019 |
| | | KP: 1992 to 2019 |
| | | KSC: 2008 to 2019 |
| | | KTG: 2009 to 2019 |
| | | LFS: 1985 to 2019 |
| | | NGP: 2003 to 2019 |
| | | PEN: 2004 to 2019 |
| | | PLC: 1993 to 2019 |
| | | SE1: 2014 to 2019 |
| | | SEK: 1996 to 2019 |
| | | SHA: 1984 to 2019 |
| | | SKG: 1993 to 2019 |
| | | SKW: 2007 to 2019 |
| | | SSH: 2004 to 2019 |
| | | SSP: 2010 to 2019 |
| | | STY: 2009 to 2019 |
| | | TC: 1997 to 2019 |
| | | TKL: 1988 to 2019 |
| | | TMS: 1997 to 2019 |
| | | TPO: 1999 to 2019 |
| | | TU1: 2007 to 2019 |
| | | TW: 2010 to 2019 |

| | | TWN: 2006 to 2019 |
|---|---|---|
| | | TY1: 2010 to 2019 |
| | | TYW: 1995 to 2019 |
| | | VP1: 2003 to 2019 |
| | | WGL: 1989 to 2019 |
| | | WLP: 2005 to 2019 |
| | | WTS: 2009 to 2019 |
| | | YLP: 2015 to 2019 |
| | | Default return data: All years |
| month | 1 - 12 | Optional. Pass this parameter with parameter "year" |

1. Each station has different year range. Please check the description for details.

Daily Maximum Temperature

| Parameter | Accepted values | Description |
|---|---|---|
| dataType | CLMMAXT | CLMMAXT: Daily Maximum Temperature |
| rformat | json<br>csv | Return data format<br>Default return type: CSV |
| station | CCH | CCH: Cheung Chau |
| | CWB | CWB: Clear Water Bay |
| | HKA | HKA: Hong Kong International Airport |
| | HKO | HKO: Hong Kong Observatory |
| | HKP | HKP: Hong Kong Park |
| | HKS | HKS: Wong Chuk Hang |
| | HPV | HPV: Happy Valley |
| | JKB | JKB: Tseung Kwan O |
| | KLT | KLT: Kowloon City |
| | KP | KP: King's Park |
| | KSC | KSC: Kau Sai Chau |
| | KTG | KTG: Kwun Tong |
| | LFS | LFS: Lau Fau Shan |
| | NGP | NGP: Ngong Ping |
| | PEN | PEN: Peng Chau |
| | PLC | PLC: Tai Mei Tuk |
| | SE1 | SE1: Kai Tak Runway Park |
| | SEK | SEK: Shek Kong |

| | | |
|---|---|---|
| | SHA | SHA: Sha Tin |
| | SKG | SKG: Sai Kung |
| | SKW | SKW: Shau Kei Wan |
| | SSH | SSH: Sheung Shui |
| | SSP | SSP: Sham Shui Po |
| | STY | STY: Stanley |
| | TC | TC: Tate's Cairn |
| | TKL | TKL: Ta Kwu Ling |
| | TMS | TMS: Tai Mo Shan |
| | TPO | TPO: Tai Po |
| | TU1 | TU1: Tuen Mun Children and Juvenile Home |
| | TW | TW: Tsuen Wan Shing Mun Valley |
| | TWN | TWN: Tsuen Wan |
| | TY1 | TY1: New Tsing Yi Station |
| | TYW | TYW: Pak Tam Chung (Tsak Yue Wu) |
| | VP1 | VP1: The Peak |
| | WGL | WGL: Waglan Island |
| | WLP | WLP: Wetland Park |
| | WTS | WTS: Wong Tai Sin |
| | YLP | YLP: Yuen Long Park |
| year | 1884 - 2019[1] | Year Range: |
| | | CCH: 1992 to 2019 |
| | | CWB: 2018 to 2019 |
| | | HKA: 1997 to 2019 |
| | | HKO: 1884 to 2019 (Exclude 1940 - 1946) |
| | | HKP: 2007 to 2019 |
| | | HKS: 1989 to 2019 |
| | | HPV: 2008 to 2019 |
| | | JKB: 1991 to 2019 |
| | | KLT: 2008 to 2019 |
| | | KP: 1992 to 2019 |
| | | KSC: 2008 to 2019 |
| | | KTG: 2009 to 2019 |
| | | LFS: 1985 to 2019 |
| | | NGP: 2003 to 2019 |
| | | PEN: 2004 to 2019 |
| | | PLC: 1993 to 2019 |

| | | SE1: 2014 to 2019 |
|---|---|---|
| | | SEK: 1996 to 2019 |
| | | SHA: 1984 to 2019 |
| | | SKG: 1993 to 2019 |
| | | SKW: 2007 to 2019 |
| | | SSH: 2004 to 2019 |
| | | SSP: 2010 to 2019 |
| | | STY: 2009 to 2019 |
| | | TC: 1997 to 2019 |
| | | TKL: 1988 to 2019 |
| | | TMS: 1997 to 2019 |
| | | TPO: 1999 to 2019 |
| | | TU1: 2007 to 2019 |
| | | TW: 2010 to 2019 |
| | | TWN: 2006 to 2019 |
| | | TY1: 2010 to 2019 |
| | | TYW: 1995 to 2019 |
| | | VP1: 2003 to 2019 |
| | | WGL: 1989 to 2019 |
| | | WLP: 2005 to 2019 |
| | | WTS: 2009 to 2019 |
| | | YLP: 2015 to 2019 |
| | | Default return data: All years |
| month | 1 - 12 | Optional. Pass this parameter with parameter "year" |

1. Each station has different year range. Please check the description for details.

Daily Minimum Temperature

| Parameter | Accepted values | Description |
|---|---|---|
| dataType | CLMMINT | CLMMINT: Daily Minimum Temperature |
| rformat | json<br>csv | Return data format<br>Default return type: CSV |
| station | CCH<br>CWB<br>HKA<br>HKO | CCH: Cheung Chau<br>CWB: Clear Water Bay<br>HKA: Hong Kong International Airport<br>HKO: Hong Kong Observatory |

| | | |
|---|---|---|
| | HKP | HKP: Hong Kong Park |
| | HKS | HKS: Wong Chuk Hang |
| | HPV | HPV: Happy Valley |
| | JKB | JKB: Tseung Kwan O |
| | KLT | KLT: Kowloon City |
| | KP | KP: King's Park |
| | KSC | KSC: Kau Sai Chau |
| | KTG | KTG: Kwun Tong |
| | LFS | LFS: Lau Fau Shan |
| | NGP | NGP: Ngong Ping |
| | PEN | PEN: Peng Chau |
| | PLC | PLC: Tai Mei Tuk |
| | SE1 | SE1: Kai Tak Runway Park |
| | SEK | SEK: Shek Kong |
| | SHA | SHA: Sha Tin |
| | SKG | SKG: Sai Kung |
| | SKW | SKW: Shau Kei Wan |
| | SSH | SSH: Sheung Shui |
| | SSP | SSP: Sham Shui Po |
| | STY | STY: Stanley |
| | TC | TC: Tate's Cairn |
| | TKL | TKL: Ta Kwu Ling |
| | TMS | TMS: Tai Mo Shan |
| | TPO | TPO: Tai Po |
| | TU1 | TU1: Tuen Mun Children and Juvenile Home |
| | TW | TW: Tsuen Wan Shing Mun Valley |
| | TWN | TWN: Tsuen Wan |
| | TY1 | TY1: New Tsing Yi Station |
| | TYW | TYW: Pak Tam Chung (Tsak Yue Wu) |
| | VP1 | VP1: The Peak |
| | WGL | WGL: Waglan Island |
| | WLP | WLP: Wetland Park |
| | WTS | WTS: Wong Tai Sin |
| | YLP | YLP: Yuen Long Park |
| year | 1884 - 2019[1] | Year Range: |
| | | CCH: 1992 to 2019 |
| | | CWB: 2018 to 2019 |

| | | HKA: 1997 to 2019 |
| --- | --- | --- |
| | | HKO: 1884 to 2019 (Exclude 1940 - 1946) |
| | | HKP: 2007 to 2019 |
| | | HKS: 1989 to 2019 |
| | | HPV: 2008 to 2019 |
| | | JKB: 1991 to 2019 |
| | | KLT: 2008 to 2019 |
| | | KP: 1992 to 2019 |
| | | KSC: 2008 to 2019 |
| | | KTG: 2009 to 2019 |
| | | LFS: 1985 to 2019 |
| | | NGP: 2003 to 2019 |
| | | PEN: 2004 to 2019 |
| | | PLC: 1993 to 2019 |
| | | SE1: 2014 to 2019 |
| | | SEK: 1996 to 2019 |
| | | SHA: 1984 to 2019 |
| | | SKG: 1993 to 2019 |
| | | SKW: 2007 to 2019 |
| | | SSH: 2004 to 2019 |
| | | SSP: 2010 to 2019 |
| | | STY: 2009 to 2019 |
| | | TC: 1997 to 2019 |
| | | TKL: 1988 to 2019 |
| | | TMS: 1997 to 2019 |
| | | TPO: 1999 to 2019 |
| | | TU1: 2007 to 2019 |
| | | TW: 2010 to 2019 |
| | | TWN: 2006 to 2019 |
| | | TY1: 2010 to 2019 |
| | | TYW: 1995 to 2019 |
| | | VP1: 2003 to 2019 |
| | | WGL: 1989 to 2019 |
| | | WLP: 2005 to 2019 |
| | | WTS: 2009 to 2019 |
| | | YLP: 2015 to 2019 |
| | | Default return data: All years |

| month | 1 - 12 | Optional. Pass this parameter with parameter "year" |
|---|---|---|

1.  Each station has different year range. Please check the description for details.

**Response**

CSV

| Dataset | Data Type | Description |
|---|---|---|
| Hourly heights of tides | HHOT | Line 1: Headers |
| Times and heights of high and low tides | HLT | Line 2 to end: Data |
| Times of sunrise, sun transit and sunset | SRS | |
| Times of moonrise, moon transit and moonset | MRS | |
| Cloud-to-ground and cloud-to-cloud lightning count | LHL | |
| Latest 10-minute mean visibility | LTMV | |
| Daily Mean Temperature | CLMTEMP | Line 1, 2: Type |
| Daily Maximum Temperature | CLMMAXT | Line 3: Headers <br> Line 4 to blank line: Data |
| Daily Minimum Temperature | CLMMINT | After blank line: Legend |

JSON

| Dataset | Data Type | Description |
|---|---|---|
| Hourly heights of tides | HHOT | { |
| Times and heights of high and low tides | HLT |    "fields' : ["…", "…", …], <br>    "data" : [["…", "…", …], ["…", "…", …], …] |
| Times of sunrise, sun transit and sunset | SRS | } |
| Times of moonrise, moon transit and moonset | MRS | |
| Cloud-to-ground and cloud-to-cloud lightning count | LHL | |

| | | |
|---|---|---|
| Latest 10-minute mean visibility | LTMV | |
| Daily Mean Temperature | CLMTEMP | { <br>   "type" : ["...", "..."], <br>   "fields' : ["...", "...", ...], <br>   "data" : [["...", "...", ...], ["...", "...", ...], ...], <br>   "legend" : ["...", "...", ...] <br> } |
| Daily Maximum Temperature | CLMMAXT | |
| Daily Minimum Temperature | CLMMINT | |