

FEMS Read Only API User Guide


Overview

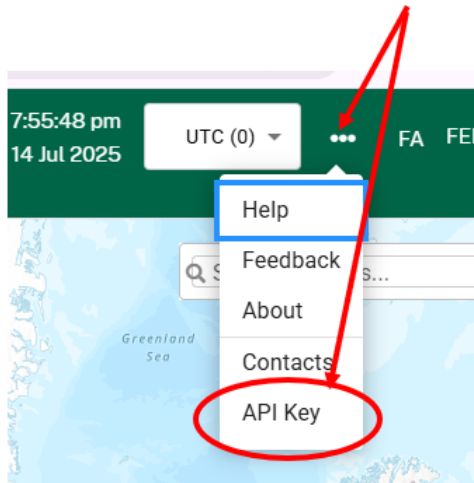
The FEMS Read Only API allows external applications to utilize FEMS data. This guide identifies the instructions for using the FEMS API.

NOTE: Only users with a FEMS API or FEMS Admin role can use the FEMS Read Only API.

FEMS API Key

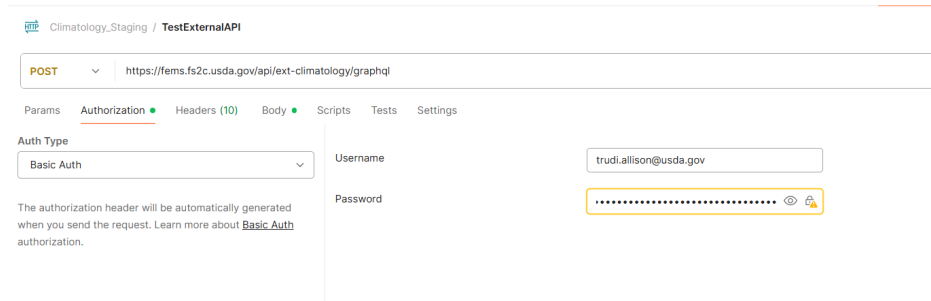
Follow the instructions in this section to generate and copy a FEMS API Key for use in accessing the read-only FEMS API:

1. Log into FEMS with a user account that has either the FEMS API or FEMS Admin role.
2. Select the hamburger menu  or the . . . menu, if the hamburger menu does not display.
3. Select the **API Key** option.



4. When, the FEMS API Key Generate window opens, the user name for the account into which you are logged displays.

4. Enter the API key as the password.



Climatology_Staging / TestExternalAPI

POST ▼ | <https://fems.fs2c.usda.gov/api/ext-climatology/graphql>

Params **Authorization** ● Headers (10) Body ● Scripts Tests Settings

Auth Type
Basic Auth ▼

The authorization header will be automatically generated when you send the request. Learn more about [Basic Auth](#) authorization.

Username:

Password:

5. Run the API calls for the following url: <https://fems.fs2c.usda.gov/api/ext-climatology/graphql>

Example API Calls For Use with FEMS

API Call	Query	Variables	Notes
NFDR Catalog	<pre> query NfdrCatalog(\$stationId: String! \$fuelModels: [FuelModelTypes] \$returnAll: Boolean \$fireDangerModelName: String \$kbdiParameterCatalogName: String \$catalogName: String \$page: Int \$per_page: Int) { nfdrCatalog(returnAll: \$returnAll stationIds: \$stationId fuelModels: \$fuelModels fireDangerModelName: \$fireDangerMo delName kbdiParameterCatalogName: \$kbdiPara meterCatalogName catalogName: \$catalogName page: \$page per_page: \$per_page) { _metadata { page per_page total_count page_count } data { fire_danger_model_station_id fire_danger_model_id fire_danger_model_name </pre>	<p><u>Optional Variables:</u></p> <p>returnAll: Boolean</p> <p>fuelModels: [FuelModelTypes]</p> <p>fireDangerModelName: String</p> <p>kbdiParameterCatalogName: String</p> <p>catalogName: String</p> <p>page: Int</p> <p>per_page: Int</p> <p><u>Required Variables</u></p> <p>stationIds: String</p> <p><u>Example GraphQL Variables:</u></p> <pre> { "returnAll": null, "stationId": "353213, 55522410", "fuelModels": null, "fireDangerModelName": null, "kbdiParameterCatalogName": null </pre>	<p>Acceptable [<u>FuelModelTypes</u>] values:</p> <p>null</p> <p>"V"</p> <p>"W"</p> <p>"X"</p> <p>"Y"</p> <p>"Z"</p> <p>Acceptable <u>Boolean</u> values:</p> <p>null</p> <p>false</p> <p>true</p>

	<p>primary_flg fems_station_id station_id wims_id fuel_model version slope_class grass_type scm mxd kbdi_parameter_catalog_id dead_fuel_parameter_catalog_id gsi_parameter_catalog_id kbdi_threshold kbdi_initial kbdi_parameter_catalog_name catalog_name herb_days_avg herb_max_gsi herb_greenup herb_max herb_min herb_temp_min_max herb_temp_min_min herb_vpd_min herb_vpd_max herb_day_length_min herb_day_length_max herb_vpd_avg_flg woody_days_avg woody_max_gsi woody_greenup woody_max woody_min woody_temp_min_max woody_temp_min_min woody_vpd_min woody_vpd_max woody day length min</p>	<p>, "catalogName": null, "page": 0, "per_page": 100000 }</p>	
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	<pre> woody_day_length_max woody_vpd_avg_flg herb_precip_total_min herb_precip_total_max herb_total_precip_days herb_use_precip_flg woody_precip_total_min woody_precip_total_max woody_total_precip_days woody_use_precip_flg herb_calibration woody_calibration dead_fuel_parameter_catalog_name absorption_rate stick_radius_1_hr_fuel_moisture stick_radius_10_hr_fuel_moisture stick_radius_100_hr_fuel_moisture stick_radius_1000_hr_fuel_moisture modified_time modified_by created_time created_by } } } </pre>		
NFDR Min Max	<pre> query NfdrMinMax(\$startDate: Date!, \$stationIds: String, \$wrccIds: String, \$fuelModels: String, \$nfdrType: String, \$zoomLevel: Int, \$endDate: Date, \$hasHistoricData: TriState, \$sortBy: NfdrMinMaxSortBy, \$sortOrder: SortOrder, \$page: Int, \$perPage: Int) { nfdrMinMax(startDate: \$startDate, stationIds: \$stationIds, wrccIds: \$wrccIds, fuelModels: \$fuelModels, nfdrType: </pre>	<p><u>Optional Variables:</u></p> <pre> stationIds: String wrccIds: String fuelModels: String nfdrType: String </pre>	<p>Acceptable <u>TriState</u> values:</p> <pre> "ALL" "FALSE" "TRUE" </pre>

	<p>\$nfdrtype, zoomLevel: \$zoomLevel, endDate: \$endDate, hasHistoricData: \$hasHistoricData, sortBy: \$sortBy, sortOrder: \$sortOrder, page: \$page, per_page: \$perPage) {</p> <pre> _metadata { page page_count per_page total_count } data { burning_index_max burning_index_max_time elevation energy_release_component_max energy_release_component_max_time fuel_model gsi herbaceous_lfi_fuel_moisture hun_hr_tl_fuel_moisture_min </pre>	<p>zoomLevel: Int</p> <p>endDate: Date</p> <p>sortBy: NfdrMinMaxSortBy</p> <p>sortOrder: SortOrder</p> <p>page: Int</p> <p>perPage: Int</p> <p><u>Required Variables:</u></p> <p>startDate: Date!</p> <p>hasHistoricData: TriState</p> <p><u>Example GraphQL Query:</u></p> <pre> { "startDate": "2025-07-03", "stationIds": null, "wrccIds": null, "fuelModels": null, "nfdrtype": null, "zoomLevel": null, "endDate": "2025-07-04", "hasHistoricData": "ALL", "sortBy": null, "sortOrder": null, "page": null, </pre>	<p>Acceptable <u>NfdrMinMaxSortBy</u> Values :</p> <p>"station_id"</p> <p>"station_name"</p> <p>"summary_date"</p> <p>Acceptable <u>SortOrder</u> Values:</p> <p>"asc"</p> <p>"desc"</p> <p>Date Format:</p> <p>YYYY-MM-DD</p>
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	<p> hun_hr_tl_fuel_moisture_min_time ignition_component_max ignition_component_max_time kbbdi latitude longitude nfd_r_type one_hr_tl_fuel_moisture_min one_hr_tl_fuel_moisture_min_time quality_code spread_component_max spread_component_max_time station_id station_name summary_date ten_hr_tl_fuel_moisture_min ten_hr_tl_fuel_moisture_min_time thou_hr_tl_fuel_moisture_min thou_hr_tl_fuel_moisture_min_time </p>	<pre> "perPage": null } { "startDate": "2026-03-12", "endDate": "2026-04-02", "stationIds": "102004", "sortBy": "summary_date", "sortOrder": "DESC", "page": 0, "per_page": 25, "fuelModel": "Y", "hasHistoricData": "ALL", "stationIds": null, "wrccIds": null, "nfd_rType": null, "zoomLevel": null, } </pre>	
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	<pre> woody_lfi_fuel_moisture wrcc_id } } } </pre>		
NFDRS Obs	<pre> query NfdrsObs(\$fuelModels: String! \$stationIds: String \$wrccIds: String \$nfdRType: String \$zoomLevel: Int \$startDateRange: Date \$endDateRange: Date \$startHour: Int \$endHour: Int \$dateTimeFormat: DateTimeFormat \$hasHistoricData: TriState \$sortBy: NfdrObsSortBy \$sortOrder: SortOrder \$page: Int \$perPage: Int) { nfdRobs(fuelModels: \$fuelModels stationIds: \$stationIds wrccIds: \$wrccIds nfdRType: \$nfdRType zoomLevel: \$zoomLevel startDateRange: \$startDateRange endDateRange: \$endDateRange startHour: \$startHour endHour: \$endHour </pre>	<p><u>Optional Variables:</u></p> <pre> stationIds: String wrccIds: String nfdRType: String zoomLevel: Int sortBy: NfdrObsSortBy sortOrder: SortOrder page: Int perPage: Int startHour: Int endHour: Int dateTimeFormat: DateTimeFormat </pre> <p><u>Required Variables:</u></p>	<p><u>Acceptable DateTimeFormat values:</u></p> <pre> "LocalStationTime" "UTC" </pre> <p><u>Acceptable SortOrder Values:</u></p> <pre> "asc" "desc" </pre> <p><u>Acceptable TriState values:</u></p> <pre> "ALL" "FALSE" "TRUE" </pre> <p><u>Acceptable NfdrObsSortby values:</u></p> <pre> "observation_time" "station_id" </pre>

	<pre> dateTimeFormat: \$dateTimeFormat hasHistoricData: \$hasHistoricData sortBy: \$sortBy sortOrder: \$sortOrder page: \$page per_page: \$perPage) { _metadata { page per_page total_count page_count } data { station_name station_id wrcc_id latitude longitude elevation observation_time observation_time_lst display_hour display_hour_lst masked_observation_time nldr_date nldr_time nldr_type fuel_model fuel_model_version kbdi one_hr_tl_fuel_moisture ten_hr_tl_fuel_moisture hun_hr_tl_fuel_moisture thou_hr_tl_fuel_moisture ignition_component spread_component energy_release_component burning_index </pre>	<pre> fuelModels: String! startDateRange: Date endDateRange: Date hasHistoricData: TriState <u>Example GraphQL Query:</u> { "startDateRange": "2025-07-03", "endDateRange": "2025-07-04", "hasHistoricData": "ALL", "sortBy": "", "fuelModels": "Y", "wrccIds": null, "stationIds": null, "nldrType": null, "zoomLevel": null, "startHour": null, "endHour": null, "dateTimeFormat": "LocalStationT ime", "sortOrder": null, "page": null, "perPage": null, } </pre>	<p>Acceptable <u>Date</u> Format:</p> <p>"YYYY-MM-DD"</p> <p>Acceptable <u>TimeHour</u> Format</p> <p>"HH"</p>
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	<pre> herbaceous_lfi_fuel_moisture woody_lfi_fuel_moisture gsi quality_code } } } </pre>		
Get Percentile Avg Min Max	<pre> query GetPercentileAvgMinMax(\$stationId: String! \$fuelModel: FuelModelTypes! \$startYear: ClimatologyYear \$endYear: ClimatologyYear \$startMonthDay: ClimatologyMonthDay \$endMonthDay: ClimatologyMonthDay \$startHour: TimeHour \$endHour: TimeHour \$dateTimeFormat: DateTimeFormat) { percentileAvgMinMax(stationIds: \$stationId fuelModel: \$fuelModel climatology: { startYear: \$startYear endYear: \$endYear startMonthDay: \$startMonthDay endMonthDay: \$endMonthDay startHour: \$startHour endHour: \$endHour dateTimeFormat: \$dateTimeFormat }) page: 0 per_page: 300000 } { _metadata { page per_page total count </pre>	<p><u>Optional Variables:</u></p> <pre> startYear: ClimatologyYear endYear: ClimatologyYear startMonthDay: ClimatologyMonthDay endMonthDay: ClimatologyMonthDay endHour: TimeHour startHour: TimeHour dateTimeFormat: DateTimeFormat </pre> <p><u>Required Variables:</u></p> <pre> fuelModel: FuelModelTypes! stationId: String! </pre>	<p>Acceptable <u>FuelModelTypes!</u> values:</p> <pre> null "V" "W" "X" "Y" "Z" </pre> <p>Acceptable <u>ClimatologyYear</u> format:</p> <pre> "YYYYY" </pre> <p>Acceptable <u>ClimatologyMonthDay</u> format:</p> <pre> "MM-DD" </pre> <p>Acceptable <u>TimeHour</u> Format</p> <pre> "HH" </pre>

	<pre> page_count } data { station_id day energy_release_component_max { min max avg stddev } spread_component_max { min max avg stddev } ignition_component_max { min max avg stddev } burning_index_max { min max avg stddev } one_hr_tl_fuel_moisture_min { min max avg stddev } ten_hr_tl_fuel_moisture_min { min max avg </pre>	<p><u>Example GraphQL Query:</u></p> <pre> { "stationId": "45220, 55522410", "fuelModel": "Y", "startYear": "2005", "endYear": "2022", "startMonthDay": "01-01", "endMonthDay": "12-31", "startHour": "0", "endHour": "24", "dateTimeFormat": "LocalStation Time" } </pre>	
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stddev
}
hun_hr_tl_fuel_moisture_min {
  min
  max
  avg
  stddev
}
thou_hr_tl_fuel_moisture_min {
  min
  max
  avg
  stddev
}
herbaceous_lfi_fuel_moisture_max {
  min
  max
  avg
  stddev
}
woody_lfi_fuel_moisture_max {
  min
  max
  avg
  stddev
}
}
kdbi_max {
  min
  max
  avg
  stddev
}
}
gsi_max {
  min
  max
  avg
  stddev
}
}
burning index {
```

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min
max
avg
stddev
}
energy_release_component {
min
max
avg
stddev
}
gsi {
min
max
avg
stddev
}
herbaceous_lfi_fuel_moisture {
min
max
avg
stddev
}
hun_hr_tl_fuel_moisture {
min
max
avg
stddev
}
ignition_component {
min
max
avg
stddev
}
kmdi {
min
max
avg
```

	<pre> stddev } one_hr_tl_fuel_moisture { min max avg stddev } spread_component { min max avg stddev } ten_hr_tl_fuel_moisture { min max avg stddev } thou_hr_tl_fuel_moisture { min max avg stddev } woody_lfi_fuel_moisture { min max avg stddev } } } } } </pre>		
Percentile Levels	<pre> query GetPercentileLevels(\$stationId: String! \$fuelModel: FuelModelTypes! \$startYear: ClimatologyYear </pre>	<u>Optional Variables:</u>	Acceptable <u>FuelModelTypes!</u> values:

	<pre> SendYear: ClimatologyYear \$startMonthDay: ClimatologyMonthDay \$endMonthDay: ClimatologyMonthDay \$startHour: TimeHour \$endHour: TimeHour \$percentileLevels: String \$dateTimeFormat: DateTimeFormat){ percentileLevels(stationIds: \$stationId fuelModel: \$fuelModel climatology: { startYear: \$startYear endYear: \$endYear startMonthDay: \$startMonthDay endMonthDay: \$endMonthDay startHour: \$startHour endHour: \$endHour dateTimeFormat: \$dateTimeFormat } percentileLevels: \$percentileLevels page: 0 per_page: 300000) { _metadata { page per_page total_count page_count } data { station_id kbdi_max one_hr_tl_fuel_moisture_min ten_hr_tl_fuel_moisture_min hun_hr_tl_fuel_moisture_min thou_hr_tl_fuel_moisture_min ignition_component_max spread component max </pre>	<pre> startYear: ClimatologyYear endYear: ClimatologyYear startMonthDay: ClimatologyMonth Day endMonthDay: ClimatologyMonthD ay endHour: TimeHour startHour: TimeHour dateTimeFormat: DateTimeFormat <u>Required Variables:</u> fuelModel: FuelModelTypes! stationId: String! percentileLevels: String <u>Example GraphQL Variable:</u> { "stationId": "45220, 55522410", "fuelModel": "Y", "startYear": "2005", "endYear": "2022", "startMonthDay": "01-01", "endMonthDay": "12-31", "startHour": "0", </pre>	<pre> null "V" "W" "X" "Y" "Z" Acceptable <u>ClimatologyYear</u> format: "YYYYY" Acceptable <u>ClimatologyMonthDay</u> for mat: "MM-DD" Acceptable <u>TimeHour</u> Format "HH" </pre>
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	<pre> energy_release_component_max woody_lfi_fuel_moisture_max herbaceous_lfi_fuel_moisture_max burning_index_max } } } </pre>	<pre> "endHour": "24", "dateTimeFormat": "LocalStation Time", "percentileLevels": "90,97,3,10" } </pre>	
Station Metadata	<pre> query StationMetaData(\$returnAll: Boolean \$zoomLevel: Int \$stationIds: String \$networkName: String \$stateId: String \$agency: String \$stationType: String \$returnList: Boolean \$sortBy: StationMetadataSortBy \$sortOrder: SortOrder \$hasHistoricData: TriState \$page: Int \$page: Int) { stationMetaData(returnAll: \$returnAll zoomLevel: \$zoomLevel stationIds: \$stationIds networkName: \$networkName stateId: \$stateId agency: \$agency stationType: \$stationType returnList: \$returnList hasHistoricData: \$hasHistoricData sortBy: \$sortBy sortOrder: \$sortOrder page: \$page per_page: \$perPage) { _metadata { page </pre>	<p><u>Optional Variables:</u></p> <pre> returnAll: Boolean zoomLevel: Int stationIds: String networkName: String stateId: String agency: String stationType: String returnList: Boolean sortBy: StationMetadataSortBy sortOrder: SortOrder page: Int perPage: Int </pre> <p><u>Required Variables</u></p>	<p>Acceptable <u>TriState</u> values:</p> <pre> "ALL" "FALSE" "TRUE" </pre> <p>Acceptable <u>StationMetadataSortBy</u> Values:</p> <pre> "station_id" "station_name" "network_name" "agency" "state" </pre> <p>Acceptable <u>SortOrder</u> Values:</p> <pre> "asc" "desc" </pre>

	<pre> per_page total_count page_count } data { fems_station_id station_id wims_id nesdis_id wrcc_id station_name state county_name latitude longitude elevation slope aspect aspect_direction aspect_degree kbdi_threshold init_kbdi avg_annual_precip annual_maintenance_date_time period_record_start period_record_stop station_status class network_id network_name agency region unit sub_unit ownership_type goes tx_frequency obs_frequency site description </pre>	<pre> hasHistoricData: TriState <u>Example GraphQL Query:</u> { "returnAll": true, "zoomLevel": null, "stationIds": "353213, 55522410", "networkName": null, "stateId": null, "agency": null, "stationType": null, "returnList": null, "hasHistoricData": "ALL", "sortBy": null, "sortOrder": null, "page": null, "perPage": null } { "returnAll": true, "zoomLevel": null, "stationIds": null, "networkName": null, "stateId": null, "agency": null, "stationType": null, "returnList": null, "hasHistoricData": "ALL", "sortBy": null, "sortOrder": null, "page": null, </pre>	
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	<pre>maintenance_standard reg_scheduled_observation_time time_zone time_zone_offset zoom_level transmit_time modified_time modified_by created_time created_by fuel_models { fuel_model version primary_flg slopeclass grasstype scm extmoi last_modified_date } first_observation last_observation site observing_agency gsi_parameter_catalog_id station_type nfd_r_visibility station_metadata_visible has_historic_data weather_daily_visible nfd_rs_daily_visible weather_hourly_visible nfd_rs_hourly_visible weather_daily_download weather_hourly_download nfd_rs_daily_download nfd_rs_hourly_download produce_nfd_rs ingest_observation</pre>	<pre>"perPage": null }</pre>	
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	<pre> } } } </pre>		
Weather Obs	<pre> query WeatherObs(\$startDateTimeRange: DateTime! \$endDateTimeRange: DateTime! \$stationIds: String \$wrcIds: String \$attribute: String \$timeZone: String \$zoomLevel: Int \$hasHistoricData: TriState \$sortBy: WxObsSortBy \$sortOrder: SortOrder \$page: Int \$perPage: Int) { weatherObs(startDateTimeRange: \$startDateTimeRange endDateTimeRange: \$endDateTimeRange stationIds: \$stationIds wrcIds: \$wrcIds attribute: \$attribute timeZone: \$timeZone zoomLevel: \$zoomLevel hasHistoricData: \$hasHistoricData sortBy: \$sortBy sortOrder: \$sortOrder page: \$page per_page: \$perPage) { _metadata { page per_page total_count page_count } } } </pre>	<p><u>Optional Variables:</u></p> <p>wrcIds: String</p> <p>zoomLevel: Int</p> <p>stationIds: String</p> <p>attribute: String</p> <p>timeZone: String</p> <p>hasHistoricData: TriState</p> <p>sortBy: WxObsSortBy</p> <p>sortOrder: SortOrder</p> <p>page: Int</p> <p>perPage: Int</p> <p><u>Required Variables</u></p> <p>startDateTimeRange: DateTime!</p> <p>endDateTimeRange: DateTime!</p> <p><u>Example GraphQL Query:</u></p>	<ol style="list-style-type: none"> To include local station time for this query: Run the Station Metadata query and request the Time Zone and Time Zone offset: time_zone time_zone_offset Add the offset to the weatherObs variables: { "stationId": "204201", "startDateTimeRange": "2025-07-29T09:33:22-06:00", "endDateTimeRange": "2025-07-29T11:03:22-06:00" } Local station time displays in the response as display_hour_1st. UTC time displays in the response as display_hour: "observation_time": "2025-07-14T17:50:24.000Z", "observation_time_1st": "2025-07-14T12:50:24-05:00", <p>Acceptable <u>WxObsSortBy</u> Values:</p> <p>"station_id"</p> <p>"station_name"</p> <p>"observation_time"</p> <p>"temperature_min"</p>

	<pre> data { station_id wrcc_id station_name latitude longitude elevation zoom_level station_type observation_time observation_time_lst display_hour display_hour_lst masked_observation_time display_date temperature relative_humidity hourly_precip wind_speed wind_direction peak_gust_speed peak_gust_dir sol_rad snow_flag observation_type hex t_flag rh_flag pcp_flag ws_flag wa_flag sr_flag gs_flag ga_flag } } </pre>	<pre> { "startDateTimeRange": "2026-03-26T16:30:00Z", "endDateTimeRange": "2026-03-26T17:29:59Z", "perPage": null, "page": null, "sortOrder": null, "sortBy": null, "hasHistoricData": null, "zoomLevel": null, "timeZone": null, "attribute": null, "wrccIds": null, "stationIds": null } { "stationId": "336001, 55522410", "zoomLevel": 5, "startDate": "2025-07-14T17:30:00Z", "endDate": "2025-07-20T18:29:59Z", "hasHistoricData": "ALL" } </pre>	<pre> "temperature" "relative_humidity" "hourly_precip" "wind_speed" "wind_direction" "peak_gust_speed" "peak_gust_direction" "sol_rad" Acceptable <u>SortOrder</u> Values: "asc" "desc" </pre>
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Weighted Winds	<pre> query WeightedWinds(\$stationIds: String! \$startYear: ClimatologyYear \$endYear: ClimatologyYear \$startMonthDay: ClimatologyMonthDay \$endMonthDay: ClimatologyMonthDay \$startHour: TimeHour \$endHour: TimeHour \$dateTimeFormat: DateTimeFormat \$windType: WindType) { weightedWinds(stationIds: \$stationIds climatology: { startYear: \$startYear endYear: \$endYear startMonthDay: \$startMonthDay endMonthDay: \$endMonthDay startHour: \$startHour endHour: \$endHour dateTimeFormat: \$dateTimeFormat } windType: \$windType) { station_id calmThreshold calmWeight validRecords totalRows windType table } } </pre>	<p><u>Optional Variables:</u></p> <p>startYear: ClimatologyYear</p> <p>endYear: ClimatologyYear</p> <p>startMonthDay: ClimatologyMonthDay</p> <p>endMonthDay: ClimatologyMonthDay</p> <p>endHour: TimeHour</p> <p>startHour: TimeHour</p> <p>dateTimeFormat: DateTimeFormat</p> <p>windType: WindType</p> <p><u>Required Variables</u></p> <p>stationIds: String!</p> <p><u>Example GraphQL Query:</u></p> <pre> { "stationIds": "102004", "windType": "avg", "startYear": "2005", "endYear": "2022", "startMonthDay": "01-01", "endMonthDay": "12-31", "startHour": "0", </pre>	<p>Acceptable <u>ClimatologyYear</u> format:</p> <p>"YYYYY"</p> <p>Acceptable <u>ClimatologyMonthDay</u> format:</p> <p>"MM-DD"</p> <p>Acceptable <u>TimeHour</u> Format</p> <p>"HH"</p> <p>Acceptable <u>windType</u> Values:</p> <p>"both"</p> <p>"avg"</p> <p>"gust"</p> <p>Acceptable <u>DateTimeFormat</u> values:</p> <p>"LocalStationTime"</p> <p>"UTC"</p>
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		<pre>"endHour": "24", "dateTimeFormat": "LocalStation Time" }</pre>	
wxMinMax	<pre>query WxMinMax(\$startDate: Date! \$stationIds: String \$wrccIds: String \$endDate: Date \$zoomLevel: Int \$hasHistoricData: TriState \$sortBy: WxMinMaxSortBy \$sortOrder: SortOrder \$page: Int \$perPage: Int) { wxMinMax(startDate: \$startDate stationIds: \$stationIds wrccIds: \$wrccIds endDate: \$endDate zoomLevel: \$zoomLevel hasHistoricData: \$hasHistoricData sortBy: \$sortBy sortOrder: \$sortOrder page: \$page per_page: \$perPage) { _metadata { page per_page total_count page_count } data { station_name station_id</pre>	<p><u>Optional Variables:</u></p> <pre>wrccIds: String zoomLevel: Int stationIds: String sortBy: WxMinMaxSortBy sortOrder: SortOrder page: Int perPage: Int endDate: Date</pre> <p><u>Required Variables</u></p> <pre>startDate: Date!</pre> <pre>hasHistoricData: TriState</pre> <p><u>Example GraphQL Query:</u></p> <pre>{ "startDate": "2026-03-25",</pre>	<p><u>Acceptable WxMinMaxSortBy Values:</u></p> <pre>"station_id" "station_name" "summary_date" "temperature_min" "temperature_max" "relative_humidity_min" "relative_humidity_max" "daily_precipitation_total" "wind_speed_min" "wind_speed_max" "peak_gust_speed_min" "peak_gust_speed_max" "peak_wind_gust_direction" "solar_radiation_max"</pre>

	<pre>wrcc_id latitude longitude elevation summary_date observation_type temperature_min temperature_max relative_humidity_min relative_humidity_max wind_speed_min wind_speed_max peak_gust_speed_min peak_gust_speed_max peak_wind_gust_direction peak_wind_gust_time solar_radiation_max daily_precipitation_total snow_flag } } }</pre>	<pre>"stationIds": null, "wrccIds": null, "endDate": null, "zoomLevel": null, "hasHistoricData": "ALL", "sortBy": null, "sortOrder": null, "page": null, "perPage": null }</pre>	<p>Acceptable <u>SortOrder</u> Values:</p> <p>"asc"</p> <p>"desc"</p> <p>Acceptable <u>TriState</u> values:</p> <p>"ALL"</p> <p>"FALSE"</p> <p>"TRUE"</p> <p>Date Format:</p> <p>YYYY-MM-DD</p>
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