

Application Note: Setting Meter Time Zone for Use in PQView 4

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Problem

The date and time of events logged by a meter may not be correct in PQView4, even though the computer date, time, and time zone settings are correct, and the time zone setting in PQView 4 is also correct.

Solution

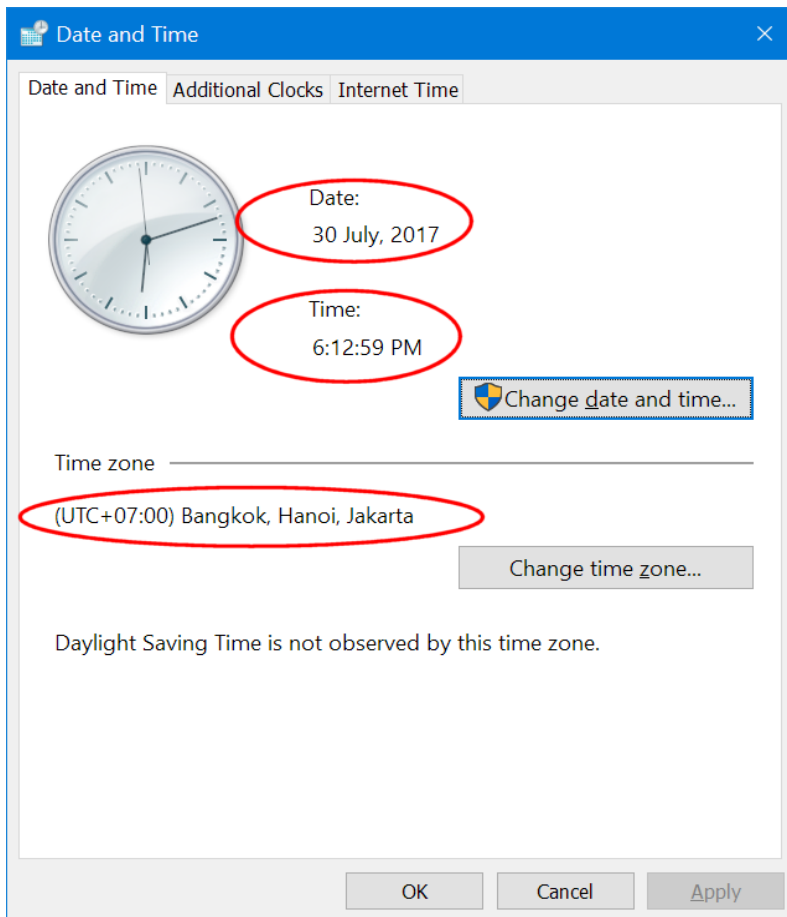
Verify Date & Time in System Settings

First, make sure that the system date, time and timezone settings are correct. Go into Windows control panel and double-click "Date and Time".



In the "Date and Time" window, make sure the following are set to your local region:

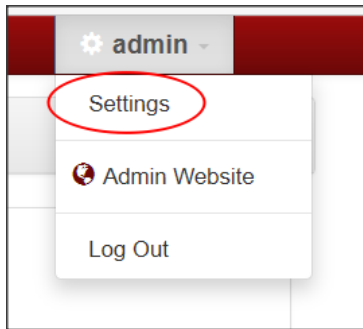
1. Date
2. Time
3. Time zone



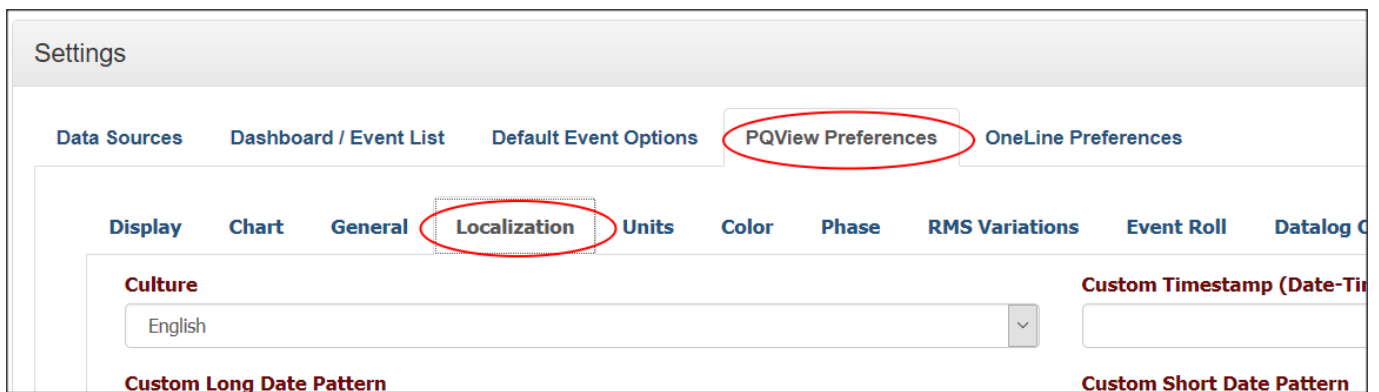
Verify Time Zone Setting in PQView 4

Versions of PQView 4 that are newer than **V4.2.4 Rel (Release date 22-12-2016)** **Verify version and date** do not have a time zone setting, so you may ignore this step.

Open PQview 4 Web, and at the top-right corner select “Settings”



From the tabbed list that opens up, select “PQView Preferences” and then select “Localization”.



Under “Localizations”, find the entry for “Time Zone” and make sure this is set to your local time zone.

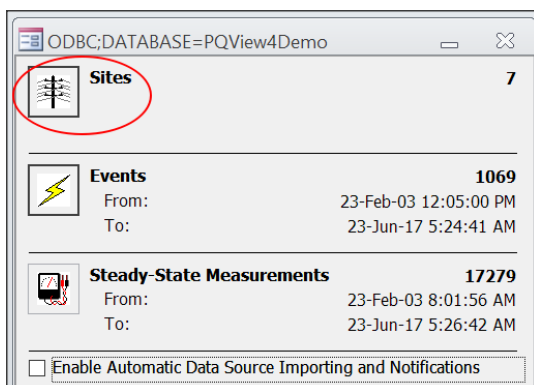
Set ION Meter Time Zone in the PQView Database

The PQView database has a time zone field for every individual meter that has been defined, and this time zone is set to GMT-5 by default.

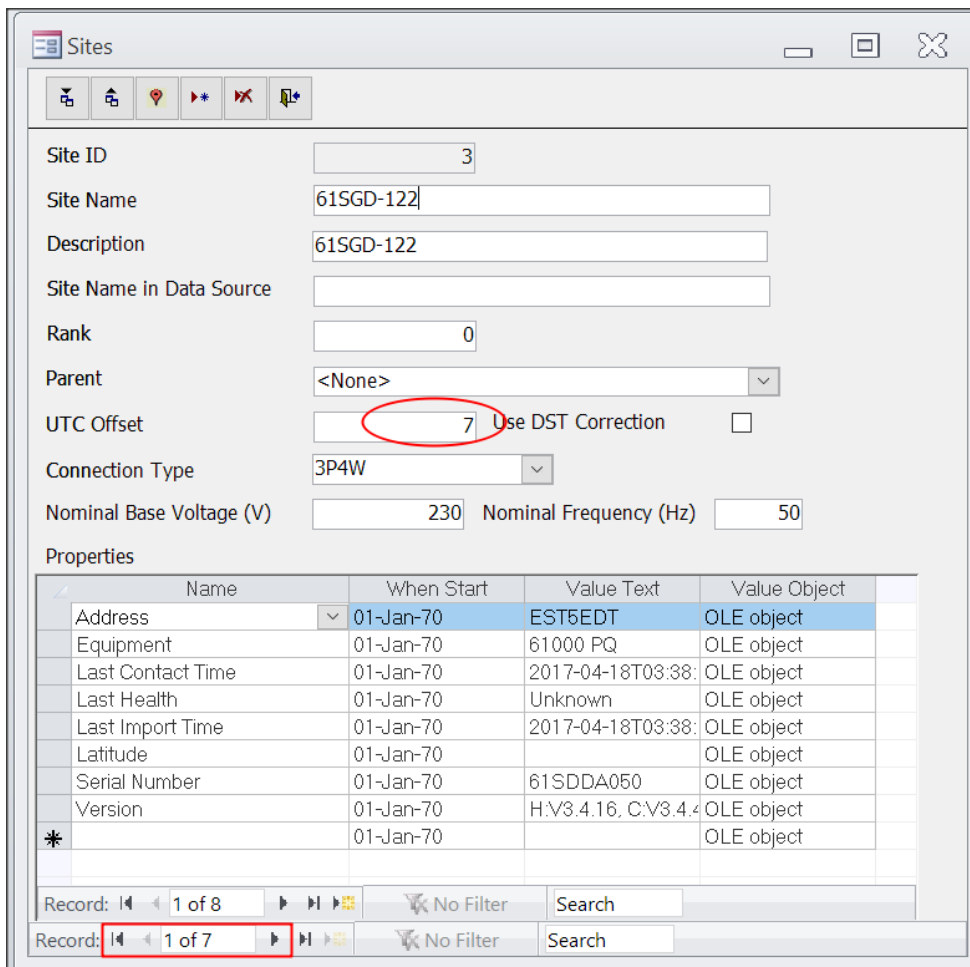
There are two ways to do this. One is to use PQView 3’s meter configuration interface, and another is to use T-SQL command. The T-SQL command is useful if you have to set the time and date on many meters. Both methods will now be shown:

Using PQView 3 Interface to set Time Zone

Start the PQView 3 Data Manager and select “Sites”



Click the ◀ and ▶ icons at the bottom left of the window to scroll to the Site Name for which you will set the time zone. Once you have arrived at the correct site name, key in the UTC offset for your local time zone in the “UTC Offset” box circled below:

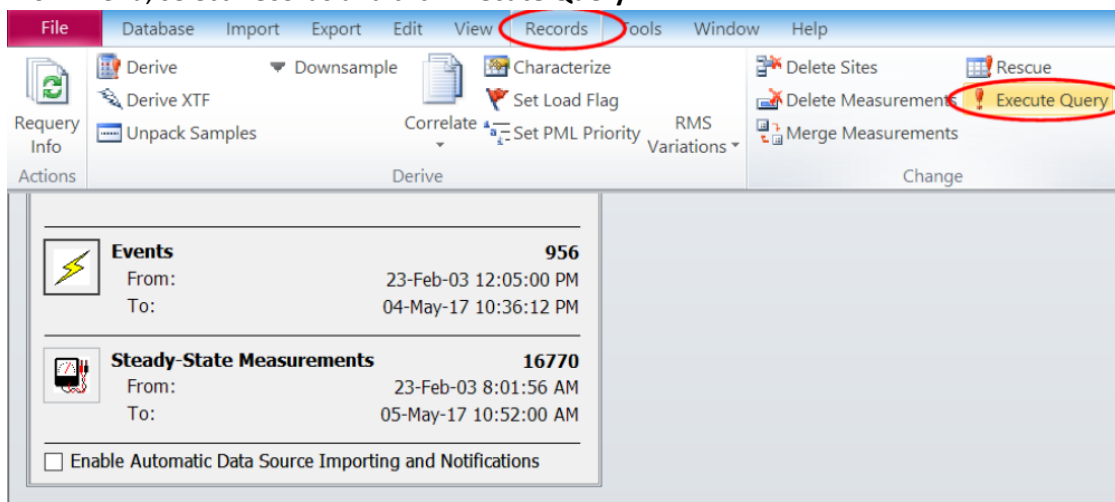


Continue doing this for the rest of the meters.

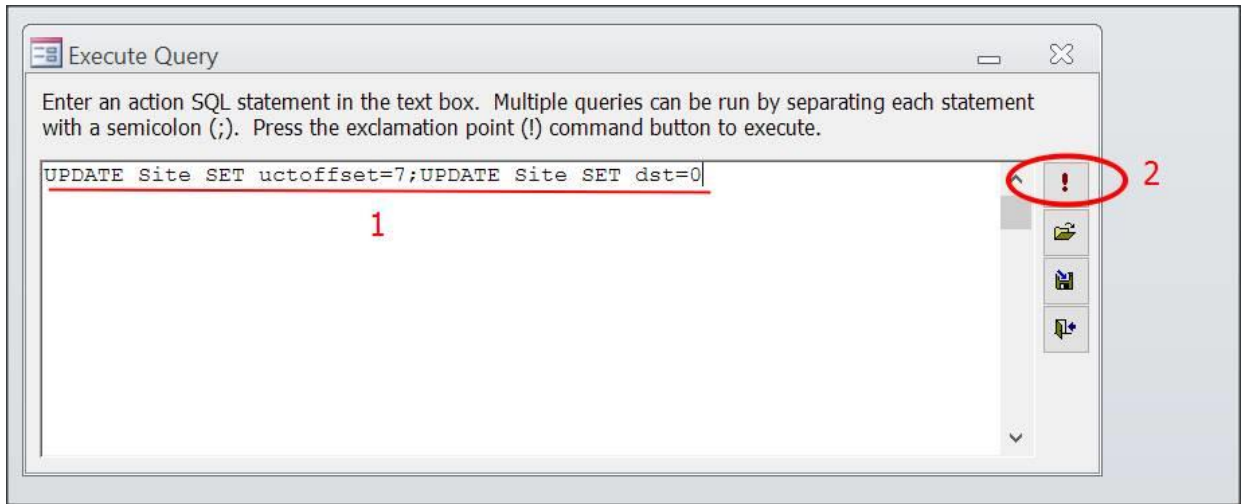
Using T-SQL to set Time Zone

A single T-SQL command can be issued which will change every meter’s time zone setting to a specified value.

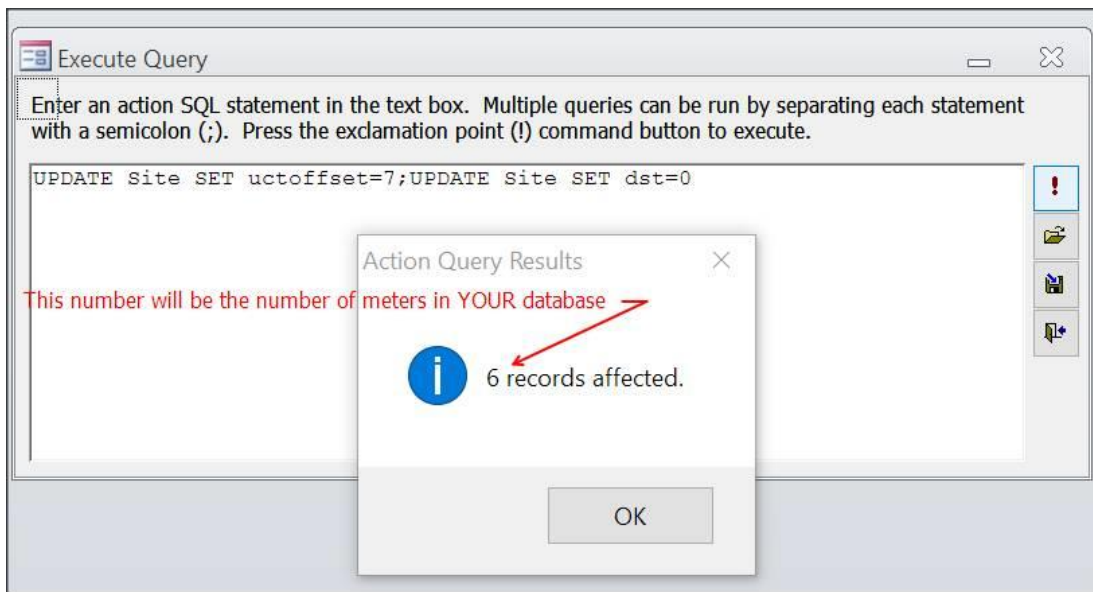
1. From menu, select **Records** and click **Execute Query**



- In the Execute Query window, enter the T-SQL command `UPDATE Site SET uctoffset=<n>;UPDATE Site SET dst=0` and then click the “!” button to execute the command. This command sets the UTC offset to <n> and also disables DST Correctionⁱ



- You should now see a message showing the number of records affected.



- Click “OK” and close PQView3 Data Manager



DST is short form for “Daylight Saving Time”. It is the practice of advancing clocks during summer months so that evening daylight lasts longer, while sacrificing normal sunrise times. Typically, regions that use daylight saving time adjust clocks forward one hour close to the start of spring and adjust them backward in the autumn to standard time.

ⁱ Since DST is not used in Asia, we disable DST setting using the SQL script. If you want to enable DST, use the following script: `UPDATE Site SET uctoffset=<n>;UPDATE Site SET dst=1`