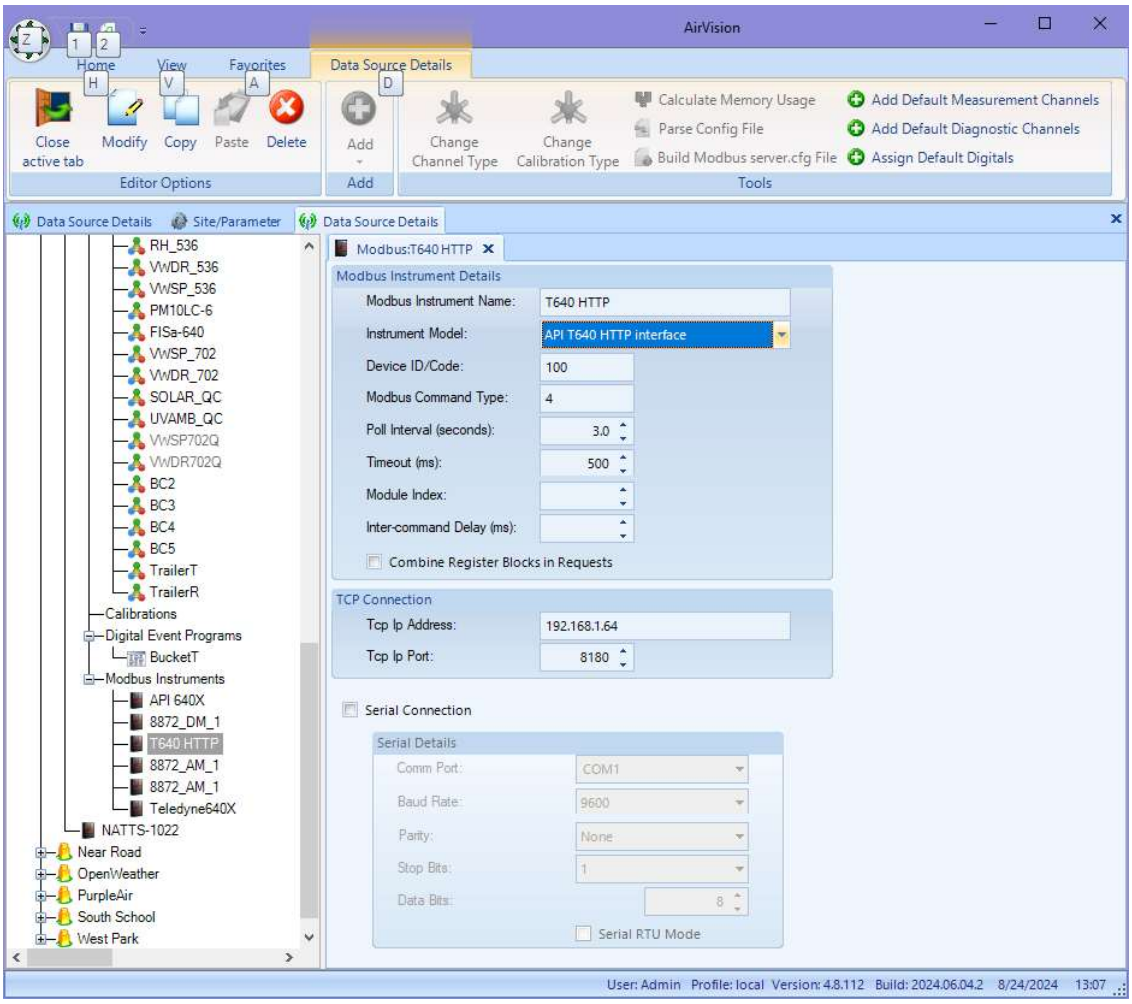
T640 Correction Mode Logging (HTTP method)

This method serves as a measure to collect the status of the T640 data correction (on or off) until it is available on the Modbus interface as a future firmware upgrade on the T640.

Note that this method is for T640s connected to 8872s. The Model 8864 does not support the HTTP interface, users with 8864s should consider migrating to Direct Polling or waiting until the Modbus coil is available in a future T640 firmware update.

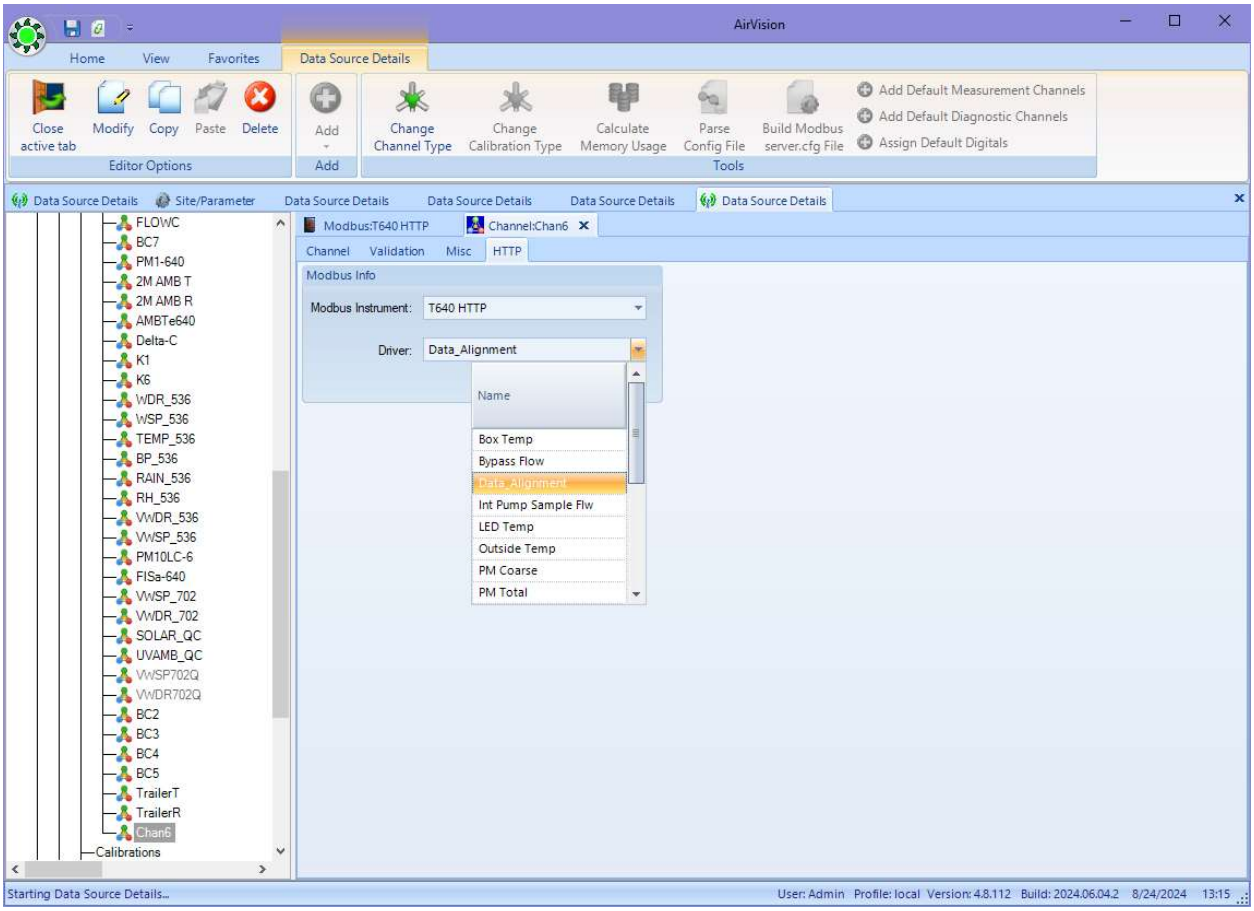
For users with Direct Polling, the “Data_Alignment” tag should be able to be added to the 1MIN-DATA storage in the T640, and collected with a simple update to the File Import Tool.

For 8872s currently using Modbus, the user will need AirVision / AV-Trend version **4.9.32** or better. Create a new parameter in site/parameter for the Data Alignment parameter. The user will go to Configuration->Data Source Details (or Logger Channels in the 8872), select the logger, and use right-click or the ribbon to Add->HTTP Instrument. Select the “API T640 HTTP Interface” driver. Fill in the remainder with the same settings as the existing T640 Modbus instrument. Set the port number to 8180.



(Initial testing has shown that the T640 concurrently supports the Modbus interface and the HTTP interface without issue- if there are issues, the HTTP driver supports the other readings, and the logger can be converted to use the HTTP interface only).

Save, then select New->Channel->HTTP. Assign the channel to the Site/Parameter, and in the HTTP tab, assign to the instrument and driver as below.



The channel will then begin to log the data alignment status as a channel, with a value of “1” for on, and “0” for off. If the user wishes to flag data, the user could use ADVP, or set a Low Limit in the channel of 0.5, and use an Average Alarm to toggle a pseudo output/input pair, with the input tied to a Bad Status flag (to invalidate) or a V, W, X, Y, or Z flag (for information purpose but to leave the reading valid) when the value is “0”.