TECH NOTE #001:: Very slow sample rates in catman

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Abstract

The TechNote describes how to handle very slow sample rates in catman (<1Hz). This is necessary e.g. in monitoring applications.

Workflow

This example is done with a QuantumX module.

1. Choose a sample rate of 10Hz for all channels in default sample rate group

2. Enable event/limit monitoring in program functions if not already done

3. Create a new time interval event with a snapshot action and define storage interval
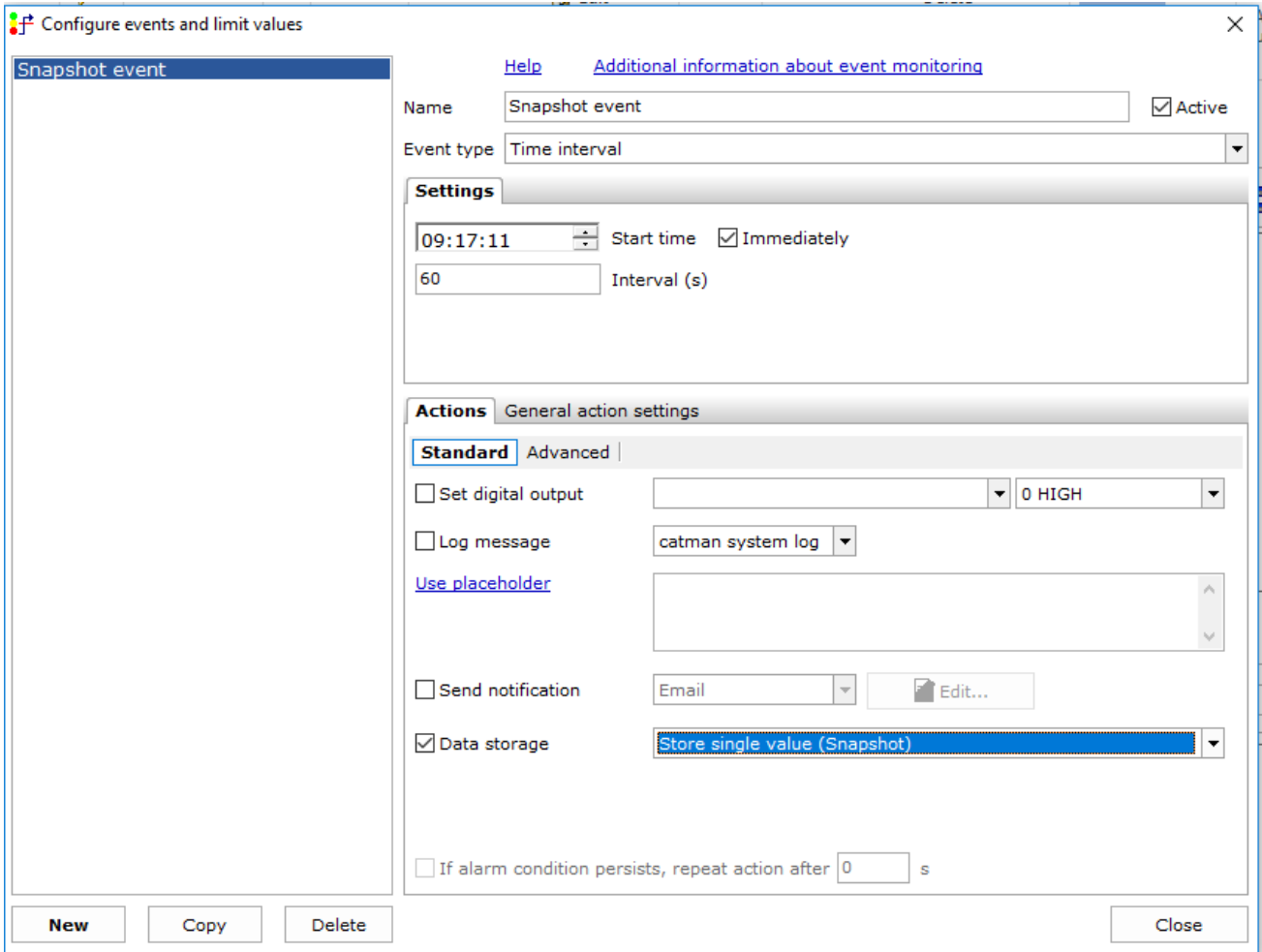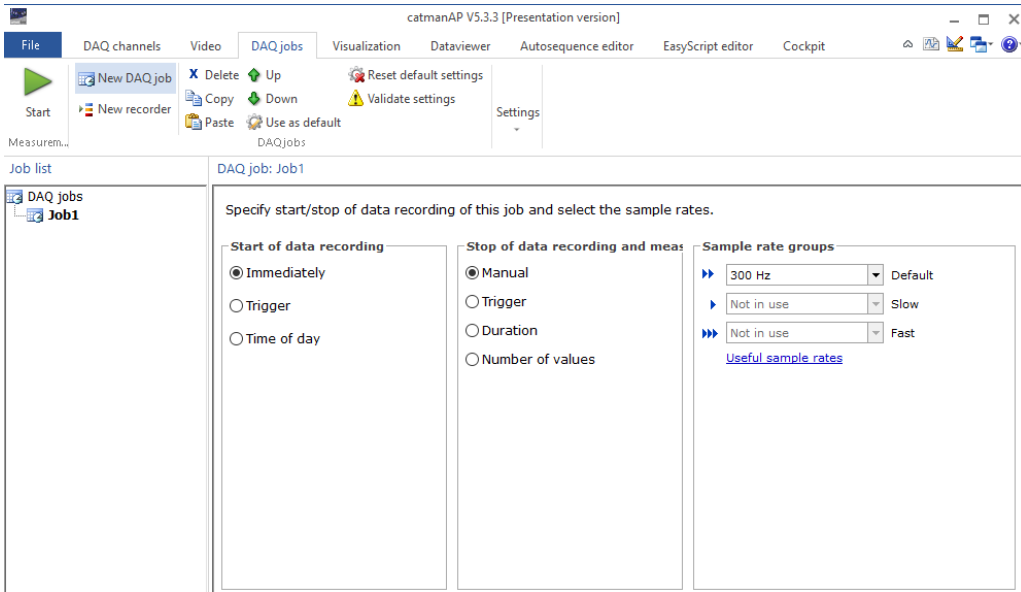
4. In the data storage settings please choose storage mode "Controlled by event monitoring/script". For long term measurements it is useful to also select "Data saving – Periodically during measurement"
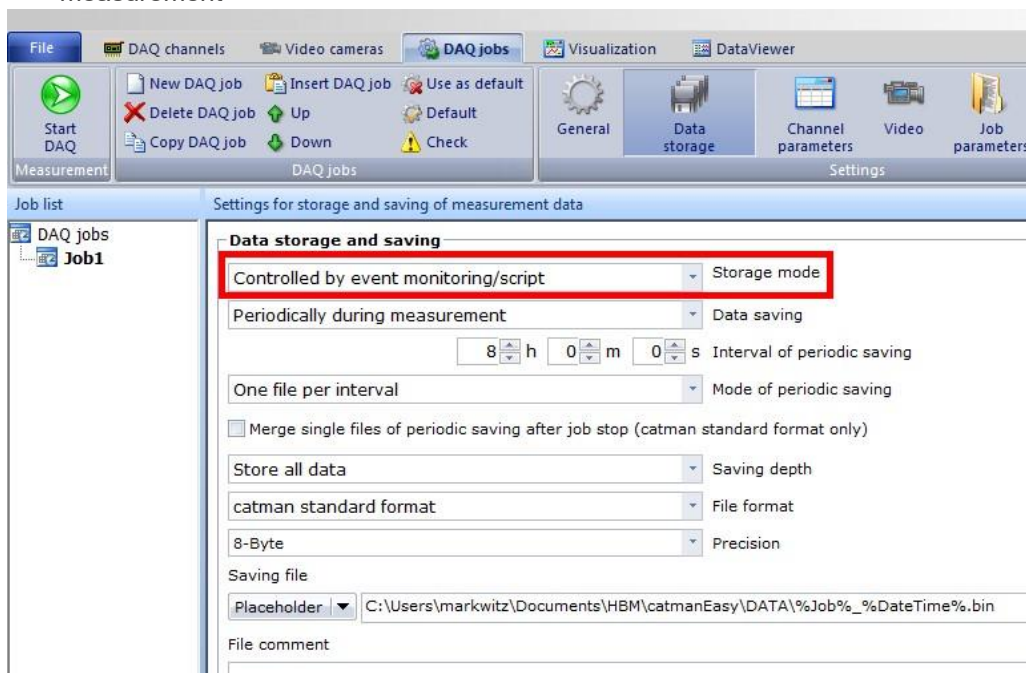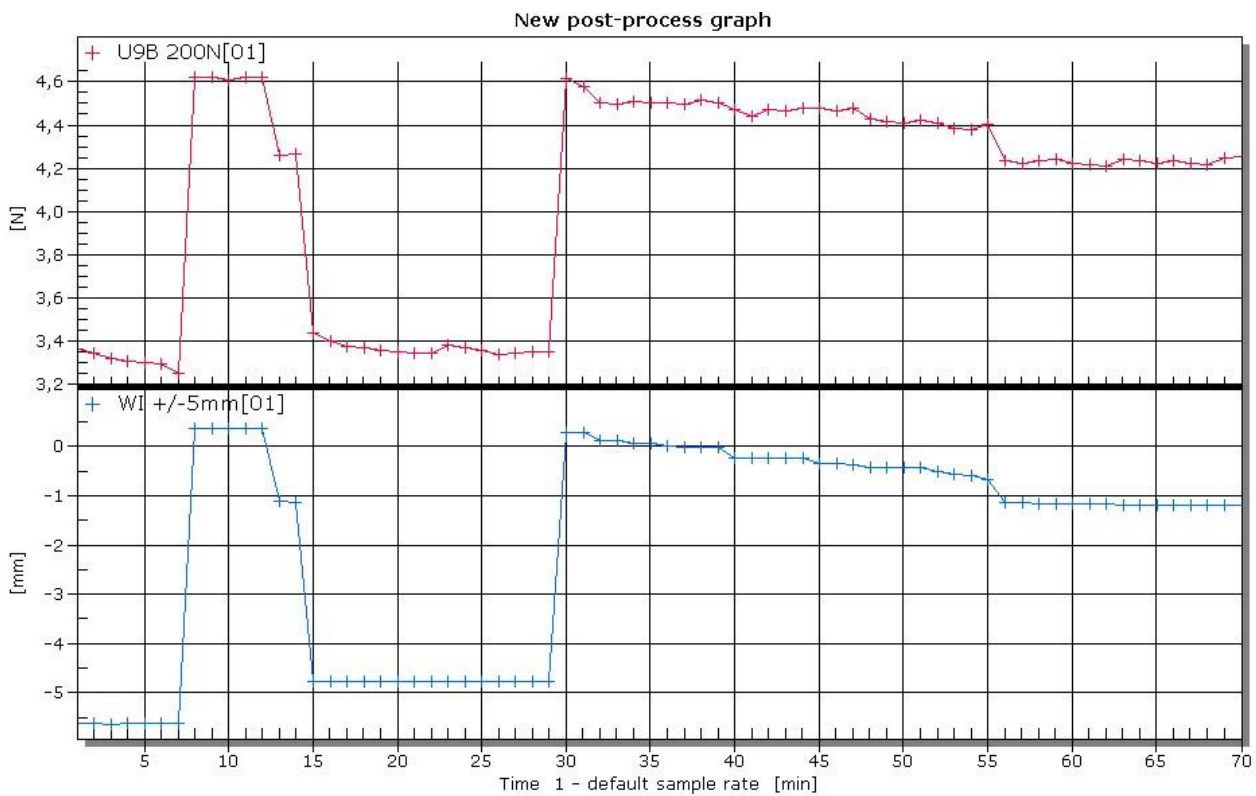

5. Leave the default settings in the DAQ job settings

6. Start DAQ

7. After DAQ stop, switch to Analysis mode and visualize the date in a post process graph. For a correct display of the x-axis you have to drag and drop the default sample rate on to the x axis.

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