Logging of QT HMI Data

► Data source
  ▷ http://192.168.24.187/StorageCardUSB/
  ▷ DLPurifier0.csv, DLLiqA0.csv, DLLiqB0.csv, DLSystem0.csv, Alarm_log0.csv
  ▷ Logging rate is 1 /s now (was 1 /m)

► Data collector — Scripts under ~kenichi/e1039/QT_HMI
  ▷ Download the CSV files every 2 minutes
  ▷ Select new records and upload them to MySQL DB on e906-db1
  ▷ Delete CSV files on QT HMI every one hour
    ▷▷ Need stop the logging (i.e. "runtime") during the deletion

► Data browser
  https://e906-gat1.fnal.gov/data-summary/e1039/target-QT-HMI.php
  ▷ Read and draw the records from MySQL DB
  ▷ Will implement the "real-time" mode

Chart-Axis Control in VI

▶ Referring to VI for LakeShore 218:

https://github.com/uva-spin/e1039-target-controls/blob/master/LakeShore218/LakeShore218_stick.vi

▶ `Cryo-Control/Common/control_chart_axis.vi`

▶ Usage
  ▷ Intuitive, I hope
  ▷ Time scale is changeable by buttons
  ▷ Vertical scale is changeable by mouse

▶ Implementation
  ▷ As sub VI shown in sub panel
  ▷ Easy to apply to all other VIs and update as we need