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#!/usr/bin/python

# dacs_v1.py -- 140711rjn
# acquire DACS data, parse it and append to plot file

import serial, time
from datetime import datetime

logfile = '/home/bob/logs/dacs_v1.txt'
dacs_port = '/dev/ttyUSB0'

t0 = time.time()

ser = serial.Serial(
    port=dacs_port,
    baudrate=19200,
    bytesize=serial.EIGHTBITS,
    parity=serial.PARITY_EVEN,
    stopbits=serial.STOPBITS_ONE,
)

# ser.open()
if ser.isOpen():
    ser.write('s ')
    time.sleep(0.2)
    s = ser.readline()
    ser.close()
    v = s.split(' ')[3].split()

logtime = datetime.now()
log = datetime.strftime(logtime, '%y%m%d-%H:%M:%S') + ' ' + v[1]
# print log

with open(logfile, 'a') as f:
    f.write(log + '\n')

exit()
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