HALF GAP ENCODER LCLII-HE AUG 2022

Connecting to dev network:

- MobaXterm
- Sessions choose ssh session
- in cmd line:
  - bash dev bash

To get encoder data from Sarah's dev space:

- To start IOC:

  - `cd /u/cd/sarahvo/Undulator_SXR/Undulator_SXR-git/iocBoot/siocModbus`
  - `./st.cmd`
- On Another terminal:
  - bash camonitor USEG:B34:ENC1

Running modpoll from Alex's space:

- `cd /u/cd/alexmon`
- `./modpoll -m tcp -t 3:int -0 -r 0x0001 134.79.218.6`

In order to get it to work:

- We had problems with the data, it was reported in increments of 65000 cts
- We ran these in epics to get the data in hex:
  - `asynSetTraceMask "EK9000_0",0,3`
  - `asynSetTraceIOMask "EK9000_0",0,4`
- To fix the issue:
  - The address start is from address 1
  - Datatype is 5 which is little endian
- Little endian stores byte as LSB then MSB, so value of 4F52 is stored as 52 4F
- Big endian stores byte as MSB then LSB, so value of 4F52 is stored as 4F 52