Raw Signal from MKS 670 to PDP

- MKS 690 (red brick Baratron) is controlled and read out by MKS 670
- We plan to input the raw signal to the NMR rack
 - ▷ From "Signal Connector" of MKS 670 to BNC of NMR rack
 - \triangleright To be monitored on PDP
- Input test by Ishara, Dustin & me
 - ▷ Using MKS 670 with 1000-Torr scale
 - ▷ Input signal: 7.6 V = 760 Torr
 - ▷ Expected value on PDP: 0.76 = 7.6 * 0.1 + 0
 - >> The conversion factor is defined in B28_Slow_Controls.txt; Offset = 0 & Multiplier = 0.1
 - Observed value on PDP: 0.5310
 - $\triangleright \triangleright$ Fair enough for now?
 - We had to change the folder path defined in TPS Global.vi. We have saved the change

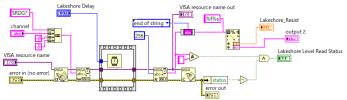




LabVIEW Slow Control Meeting — 2021-September-22

Communication with LakeShore 218 through GPIB

- ▶ We plan to use GPIB to communicate with LakeShore 218
- I tested the GPIB communication at home
 - NI GPIB-USB-HS
 - Simple VI, based on Lakeshore_get_resistance.vi provided by Reggie



- ► I will attach GPIB-USB-HS at the slow control rack
 - We can test it from the target computer whenever Reggie updates VIs

VISA resource name	VISA resource name out
K GPIB0::12::INSTR ▼	GPIBO:: 12::INSTR
channel	Lakeshore_Resist output 2
1	0.5595
Lakeshore Delay	Lakeshore Level Read Status
7 10	
error in (no error)	error out
status code	status code
- J ():0	J 0