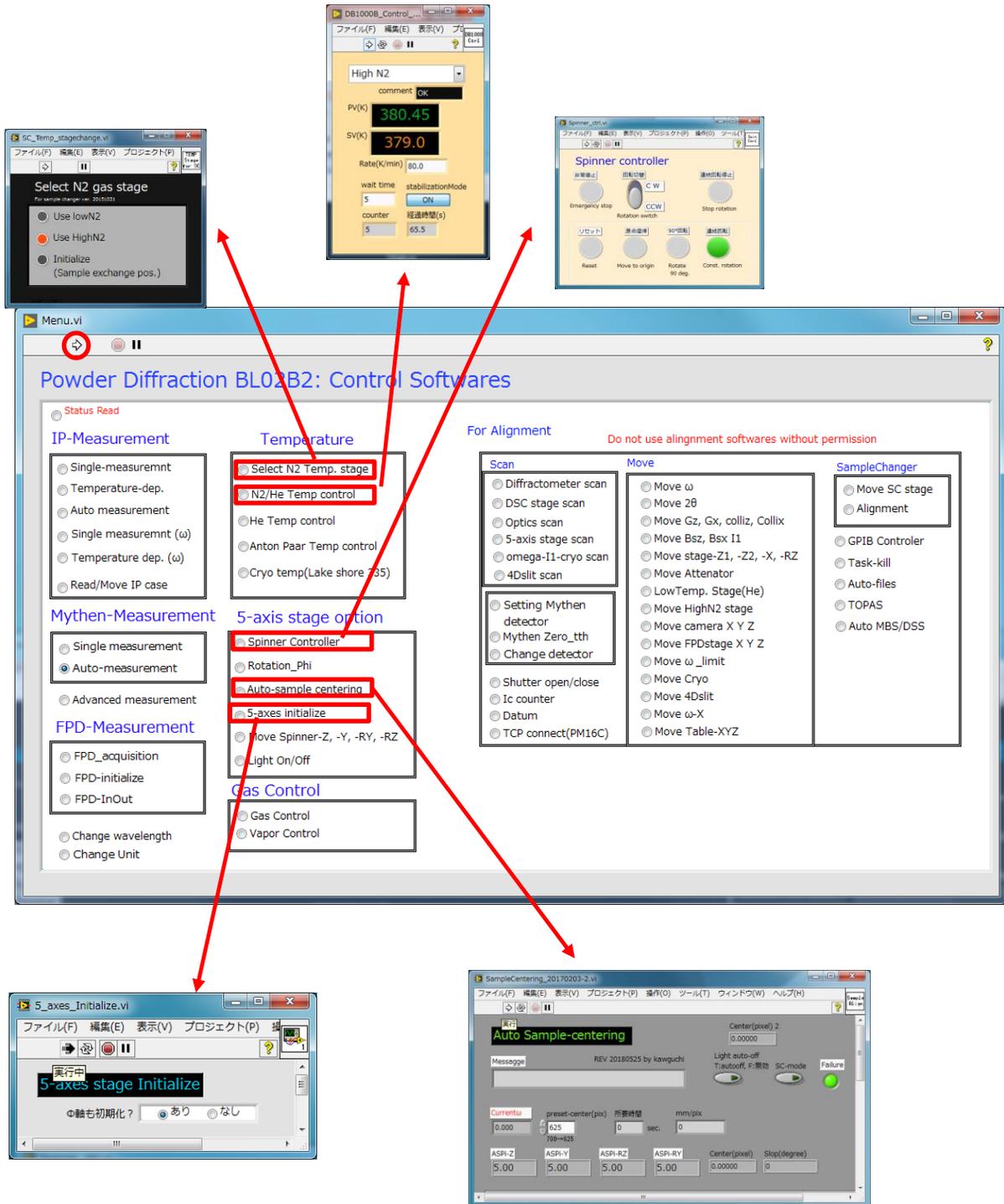


LabVIEW Program



The main LabVIEW window displays the following sections:

- Status Read**
- IP-Measurement**
 - Single-measurmnt
 - Temperature-dep.
 - Auto measurement
 - Single measurmnt (ω)
 - Temperature dep. (ω)
 - Read/Move IP case
- Mythen-Measurement**
 - Single measurement
 - Auto-measurement
 - Advanced measurement
- FPD-Measurement**
 - FPD_acquisition
 - FPD-initialize
 - FPD-InOut
 - Change wavelength
 - Change Unit
- Temperature**
 - Select N2 Temp. stage
 - N2/He Temp control
 - He Temp control
 - Anton Paar Temp control
 - Cryo temp(Lake shore 335)
- 5-axis stage option**
 - Spinner Controller
 - Auto-sample centering
 - 5-axes Initialize
 - Move Spinner-Z, -Y, -RY, -RZ
 - Light On/Off
- Gas Control**
 - Gas Control
 - Vapor Control
- For Alignment**
 - Scan**
 - Diffractometer scan
 - DSC stage scan
 - Optics scan
 - 5-axis stage scan
 - omega-I1-cryo scan
 - 4Dslit scan
 - Move**
 - Move ω
 - Move 2θ
 - Move Gz, Gx, colliz, Colliz
 - Move Bsz, Bsx I1
 - Move stage-Z1, -Z2, -X, -RZ
 - Move Attenuator
 - LowTemp. Stage(He)
 - Move HighN2 stage
 - Move camera X Y Z
 - Move FPDstage X Y Z
 - Move ω _limit
 - Move Cryo
 - Move 4Dslit
 - Move ω -X
 - Move Table-XYZ
 - SampleChanger**
 - Move SC stage
 - Alignment
 - GPIB Controller
 - Task-kill
 - Auto-files
 - TOPAS
 - Auto MBS/DSS
 - Shutter open/close
 - Ic counter
 - Datum
 - TCP connect(PM16C)

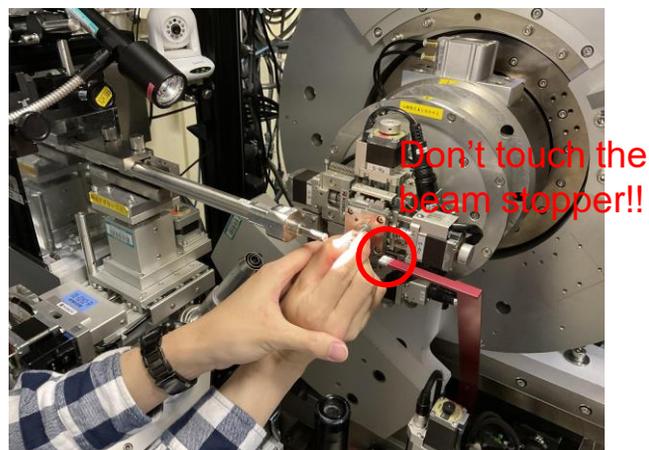
Callouts from the main window point to the following sub-windows:

- SC_Temp_stagechange.vi**: Select N2 gas stage (Use lowN2, Use HighN2, Initialize)
- DB1000B_Control.vi**: High N2 control (PV(K): 380.45, SV(K): 379.0, Rate(K/min): 80.0)
- Spinner_ctrl.vi**: Spinner controller (Emergency stop, Rotation switch, etc.)
- 5_axes_Initialize.vi**: 5-axes stage Initialize (軸も初期化? あり/なし)
- SampleCentering_20170203-2.vi**: Auto Sample-centering (Current, preset-center, etc.)

- 1) Select the radio button of the program
- 2) Push the \Rightarrow button

How to Mount SAMPLE (Manual)?

1. Mount Sample, carefully



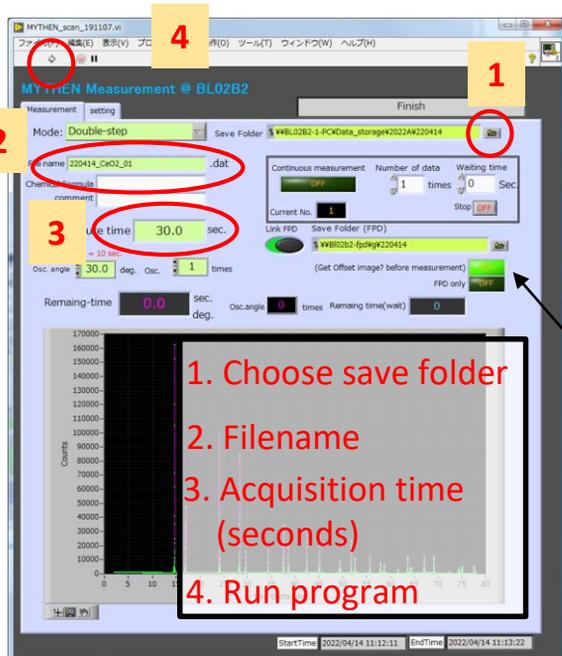
2. Auto-sample alignment, RUN (after initialize sample stage)



3. Capillary rotation



4. How to measure (MYTHEN spinner ver.)



If you want to get offset image for FPD, please select ON (it takes 20 seconds).
※基本的にはOnにしなくてよいです。

FILENAME :
JAPANESE and special characters excluding "-" and "_" are not supported.

How to UNMOUNT Sample

1. STOP spinning

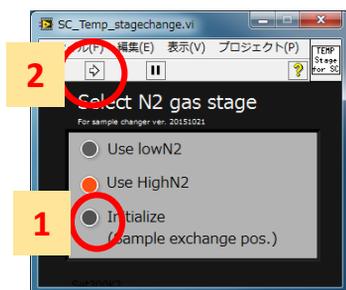
before sample unmount....



Click

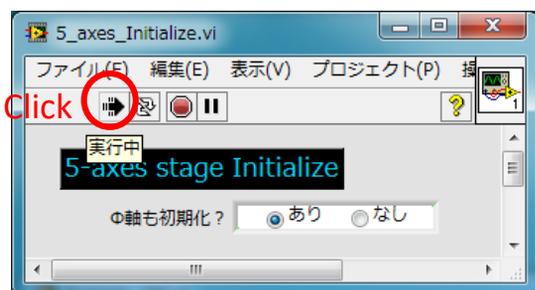
2. Temperature control nozzle "OUT" if nozzle is "in"

1. Select Initialize
2. RUN program



吹き付けが挿入されているときのみ

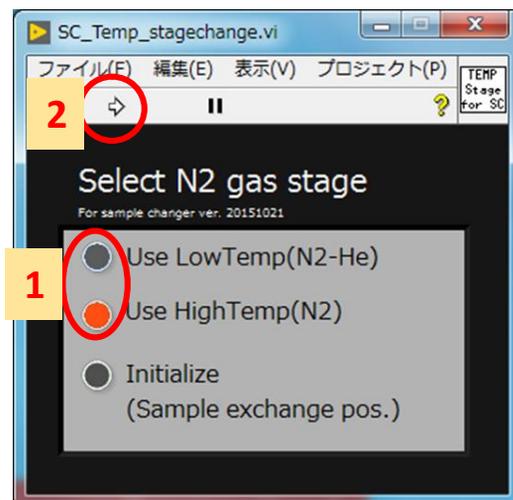
3. Initialize sample stage



4. Please remove your sample from the diffractometer.

How to control Sample temperature

1. Select Low or High temperature N2 stream device
2. Run program [you can see the move of N2 gas stage]



1. Select Low or High temperature N2 stream device
2. input set value (temperature before calibration)
3. input ramping rate
4. RUN program

