1 Standard operation procedures (SOP)

1.1 one Volume-Scan

SOURce1:FUNCtion:Amplitude 6
SOURce1:FUNCtion:Offset 3
SOURce2:FUNCtion:Amplitude 4
SOURce2:FUNCtion:Offset -4
TRIGgerC:STATe RUN

1.2 A-Scan in one position

SOUR2:VOLT:LEV 4.5	both Galvos in fixed positions
SOUR1:VOLT:LEV -2.95	no Triggers
...	
SOUR2:VOLT:LEV 0	Send galvos home afterwards
SOUR1:VOLT:LEV 0	

1.3 B-Scan in one position, continuous A-Scans, 'A-Freerun'

Mode-'infinite'

TRIGgerB:STATe stop	deactivate
TRIGgerA:STATe stop	in exactly this order
SOUR1:VOLT:LEV 0	send Galvo home
SOUR1:mode:trig	reattach Galvo to TriggerB
TRIGgerB:MODE trigC	reattach TriggerB to TriggerC

1.4 Ivan Patch

SOUR1:MODE free	detach Galvo from its Trigger
SOURce2:FUNCtion:Amplitude 3.5	
SOURce2:FUNCtion:Offset 1.95	
TRIGgerB:Mode CONTinuous	...Trigger will run forever
TRIGA:PRE 4	
TRIGA:tcou 74	...40kHz A-Scans
TRIGB:pre 64	....10Hz B-Scans
TRIGA:cou 1550	1550 samples
TRIGB:tcou 36500	10Hz
TRIGgerB:STATe RUN	activate

TRIGgerB:STATe stop	activate
TRIGA:cou 1250	1250 samples
TRIGB:tcou 14600	25Hz
TRIGgerB:STATe RUN	activate

TRIGgerB:STATe stop	deactivate
TRIGA:cou 620	620 samples
TRIGB:tcou 7300	50Hz
TRIGgerB:STATe run	activate

TRIGgerB:STATe stop	deactivate in exactly
TRIGgerA:STATe stop	this order
SOUR1:VOLT:LEV 0	send Galvo home
SOUR1:mode:trig	reattach Galvo to TriggerB
TRIGgerB:MODE trigC	reattach TriggerB to TriggerC

1.5 Connection of Galvos and Triggers

Source1 - Galvo y (slow)	Trigger B
Source2 - Galvo x (fast)	Trigger A