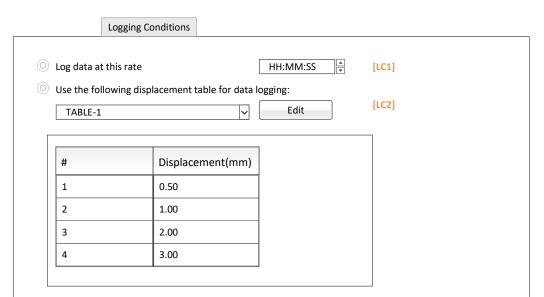
						File Name:	Enter Text	:
Starting Conditions	Logging Co	nditions	Stoppi	ng Condition	S			
Shear speed wi	ll be:	Enter Te	ext	mm/min	[IC1]			
✓ Engage Speed :		Enter Te	xt	mm/min	[IC3]			
Until the load o	hanges by	Enter Te	xt	N	[IC4]			



add 1 more option "Log data at this Axial Strain rate" box in percentage

When the Maximum Deviator Stress falls by the percentage entered here

When the Axial Strain extends beyond the percentage entered here

Enter Text % [SC1]

Enter Text % [SC2]

Return the load frame to home position [SC6]

Reset Cell And Back Pressure Control to Zero Pressure [SC7]

remove the radio button Change option Max Deviator to tick box compulsory the axia strain value **Instrument Variables**

Load_Control :>> referenced to Global variable that controls Device **CP_Control** :>> referenced to Global variable that controls Device

BP_Control :>> referenced to Global variable that controls Device

Load :>> referenced to Global variable that assigned to channel 1 of Load Control

Displacement:>> referenced to Global variable that assigned to channel 2 of Load_Control

CP:>> referenced to Global variable that assigned to channel 1 of CP-Control

BP:>> referenced to Global variable that assigned to channel 1 of BP-Control

PWP:>> referenced to Global variable that assigned to channel 2 of CP-Control

Volume:>> referenced to Global variable that assigned to channel 2 of BP-Control

Other Variables

Area = [(specimen diameter/2)2 * 3.142]/1000000

SpecimenHeight

MaxDeviatorStress

InitPWP = PWP InitVolume = Volume

InitDisp = Displacement

Triaxial Shear

Test

InitLoad = Load

LoadChange = Load-InitLoad

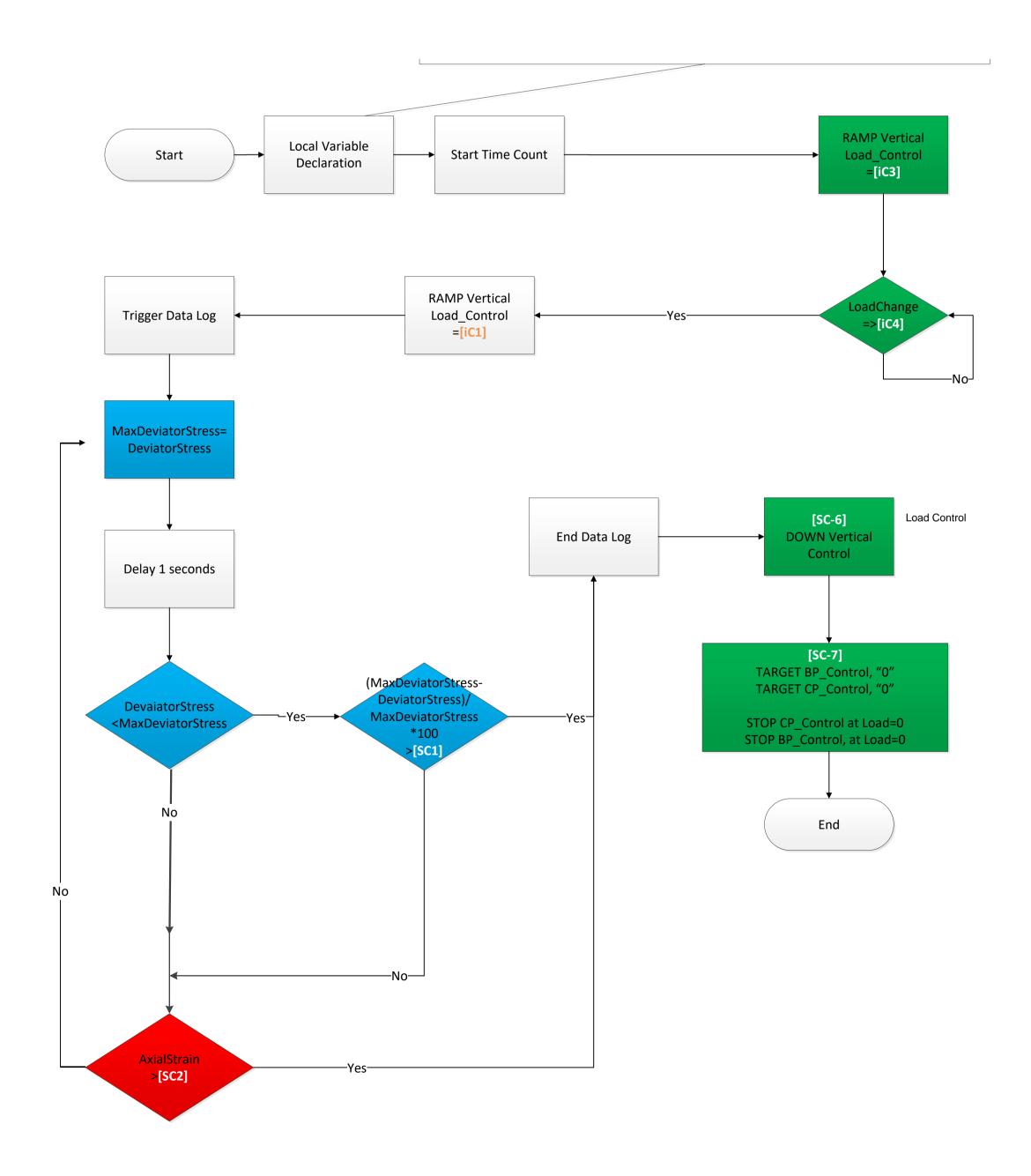
PWPChange = PWP-InitPWP

VolumeChange = Volume-InitVolume

DispChange = Displacement-InitDisp

AxialStrain = (SpecimenHeight-DispChange)/SpecimenHeight*100

DeviatorStress = LoadChange / Area



Instrument Variables Load Control:>> referenced to Global variable that controls Device CP Control:>> referenced to Global variable that controls Device BP Control:>> referenced to Global variable that controls Device Load :>> referenced to Global variable that assigned to channel 1 of Load Control Displacement:>> referenced to Global variable that assigned to channel 2 of Load Control CP:>> referenced to Global variable that assigned to channel 1 of CP-Control BP:>> referenced to Global variable that assigned to channel 1 of BP-Control PWP:>> referenced to Global variable that assigned to channel 2 of CP-Control Volume:>> referenced to Global variable that assigned to channel 2 of BP-Control Other Variables Area = [(specimen diameter/2)2 * 3.142]/1000000 SpecimenHeight MaxDeviatorStress LastLoadRead InitPWPRead = PWP InitVolumeRead = Volume InitDispRead = Displacement InitLoadRead = Load

Calculated Parameters:

- 1. Pore Water Pressure Dissipation = PWP-InitPWP
- 2. Volume Change = Volume InitVolume
- 3. Axial Load change = Load-InitLoad
- 4. Specimen Height Change = SpecimenHeight Displacement InitDisplacement
- 5. Deviator Stress = (Load-InitLoad)/Area
- 6. Axial Strain = (Displacement-InitDisplacement)/SpecimenHeight x 100

Test Parameters For TRIAXIAL SHEAR TEST									
Cell Pressure, kPa	Enter Text	Load, kN	Enter Text	Axial Load Change, kN Enter Text					
Back Pressure, Kpa	Enter Text	Displacement, mm	Enter Text	Change in Length, mm Enter Text					
Pore Water Pressure, kPa	Enter Text	Change in Pore Water Pressure, kPa	Enter Text	Deviator Stress, kPa Enter Text					
Volume, cm3	Enter Text	Volume Change, cm3	Enter Text	Axial Strain, % Enter Text					