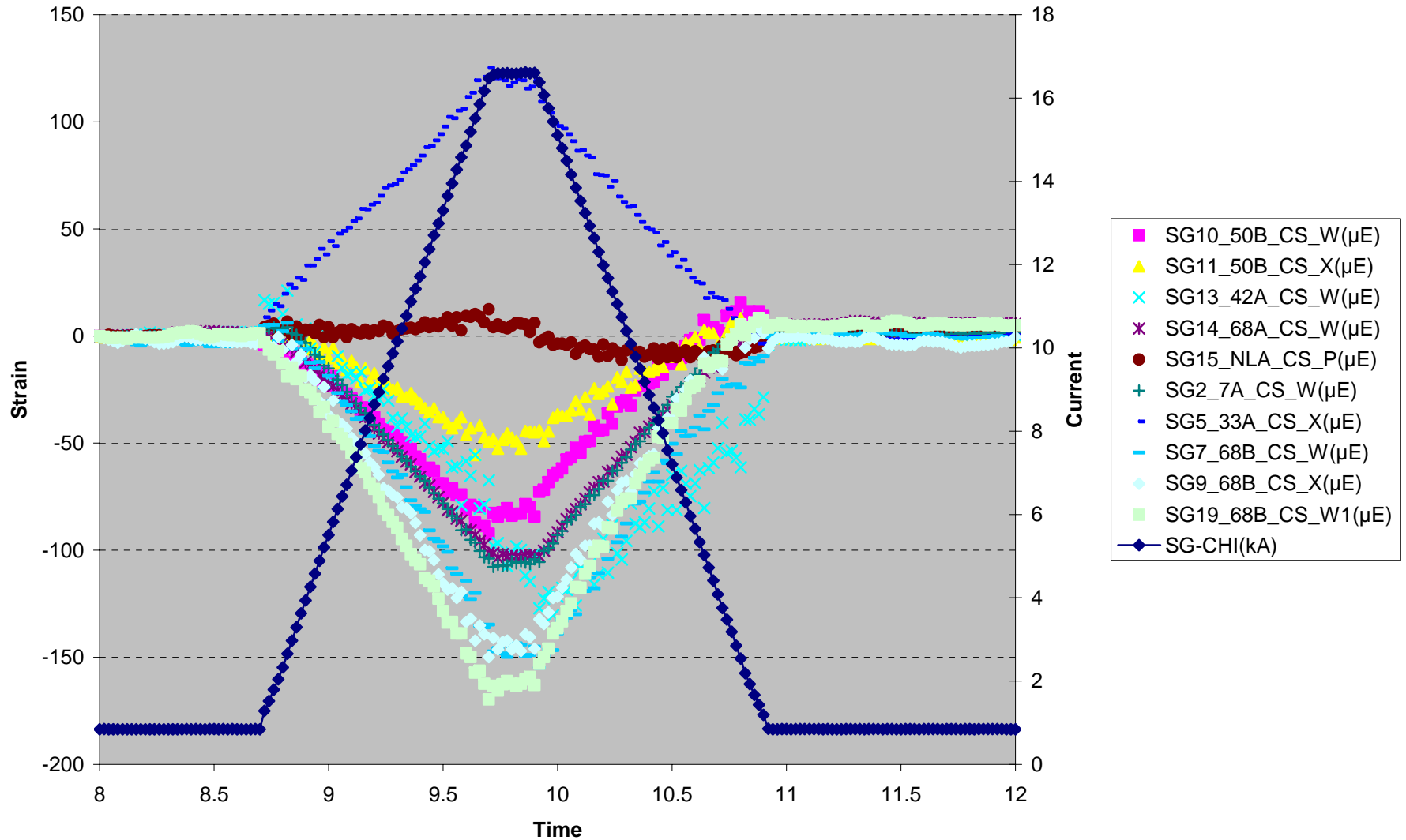
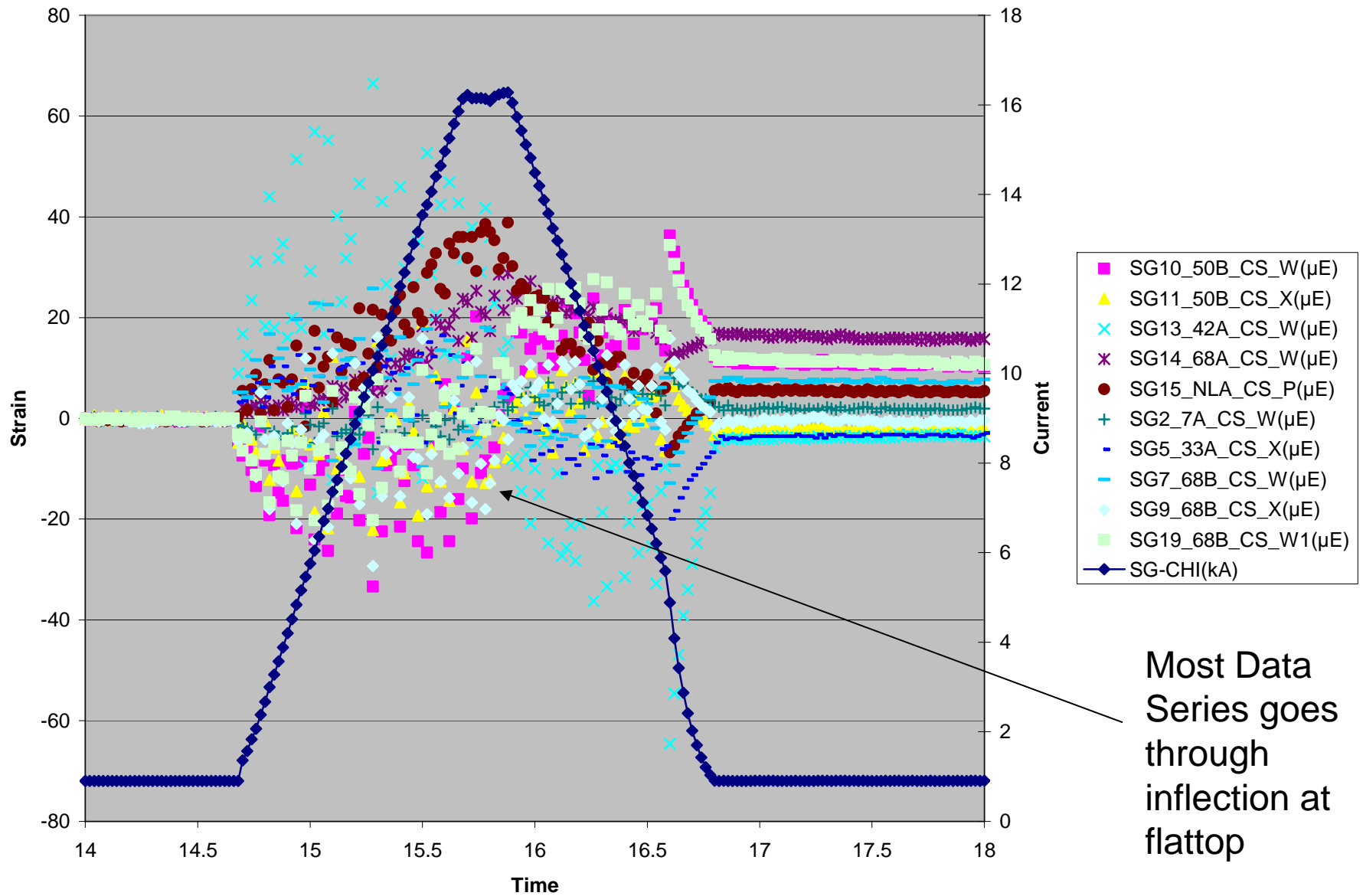


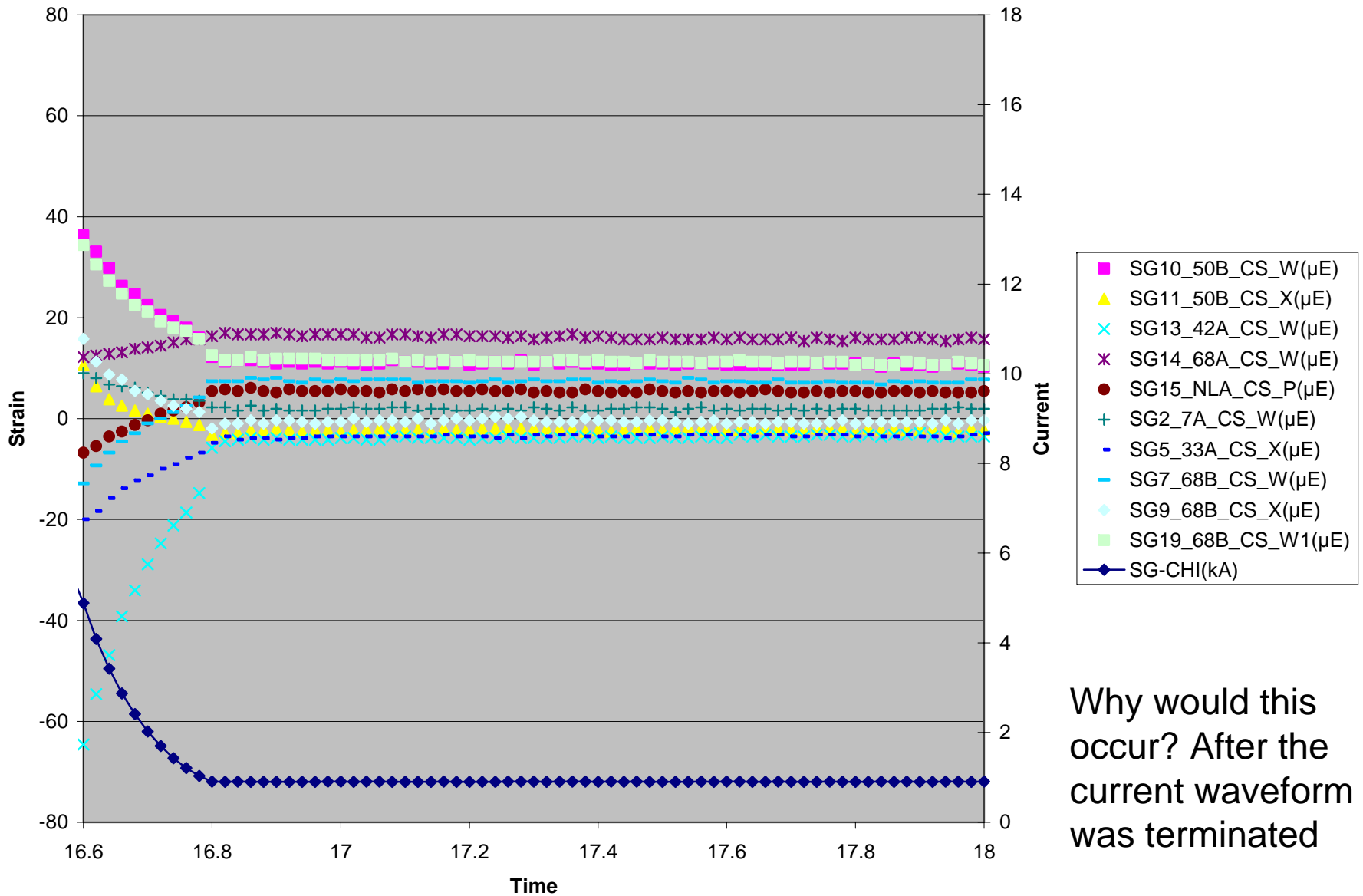
15 Kamp Cold Test (121405)



15 Kamp (warm test 121540)

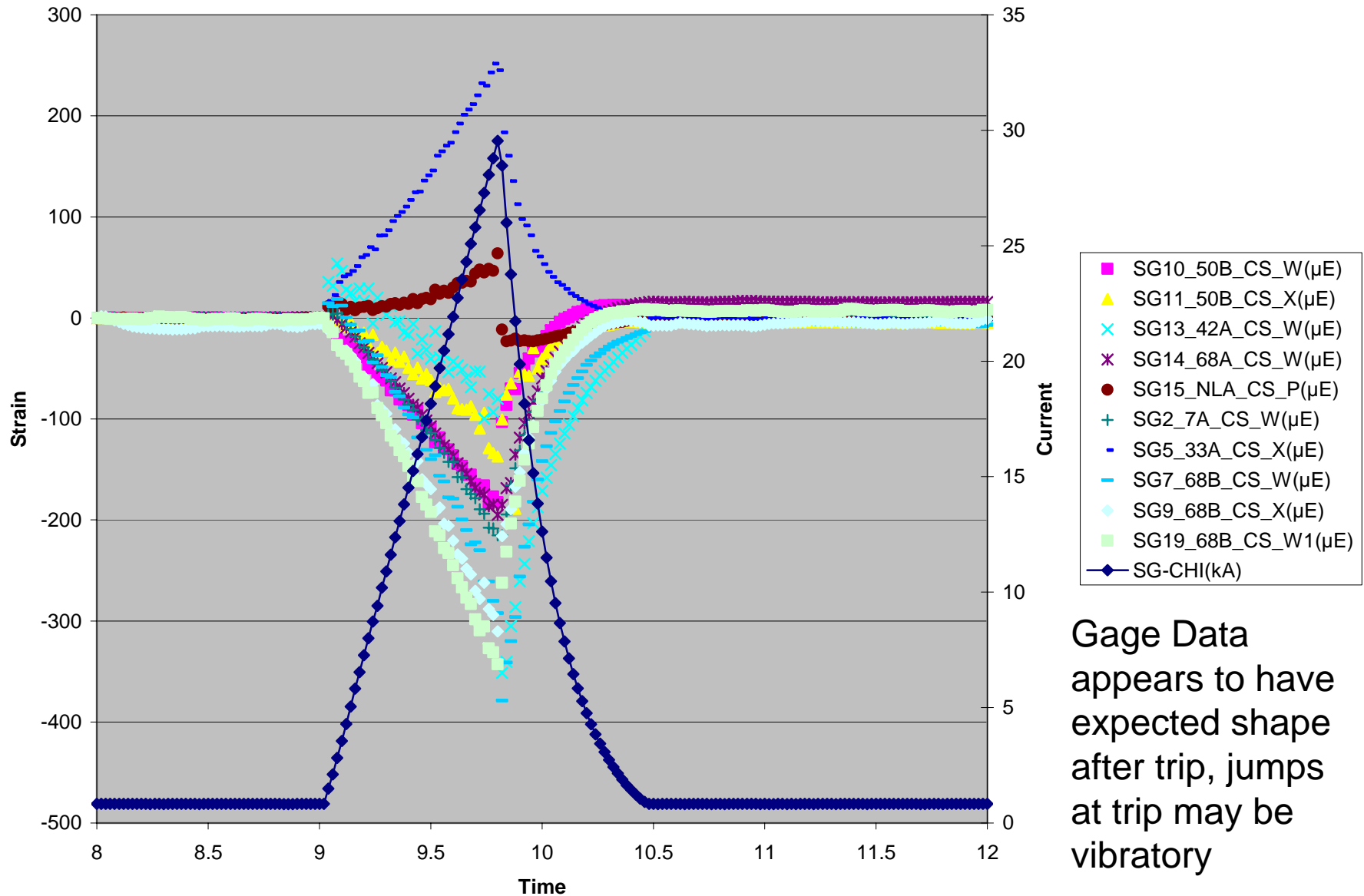


15 kAmp (warm) Case after trip ?

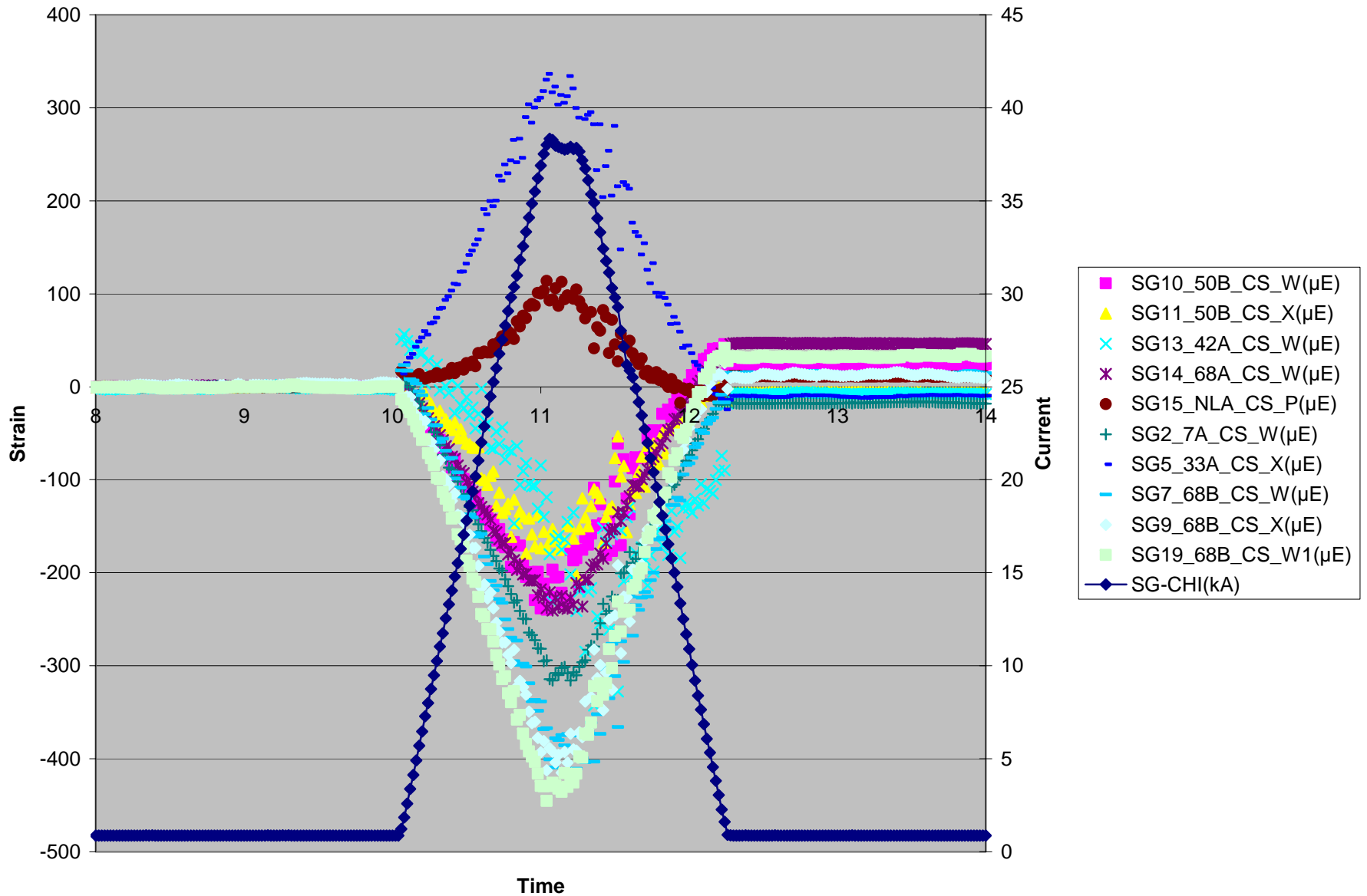


Why would this occur? After the current waveform was terminated

What about the other trips (35 Amp cold) 121412

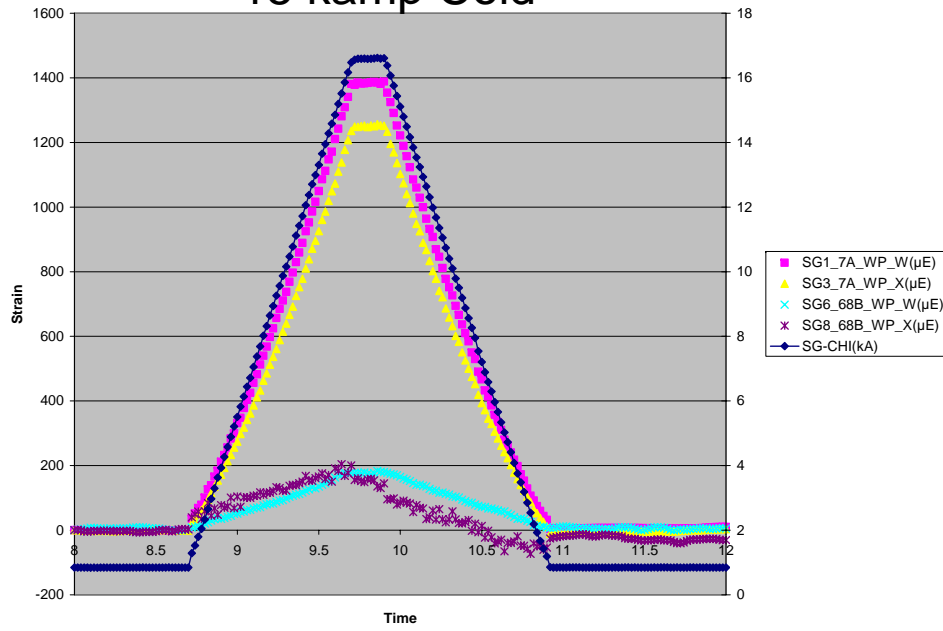


36.5 Kamp Case (121461)

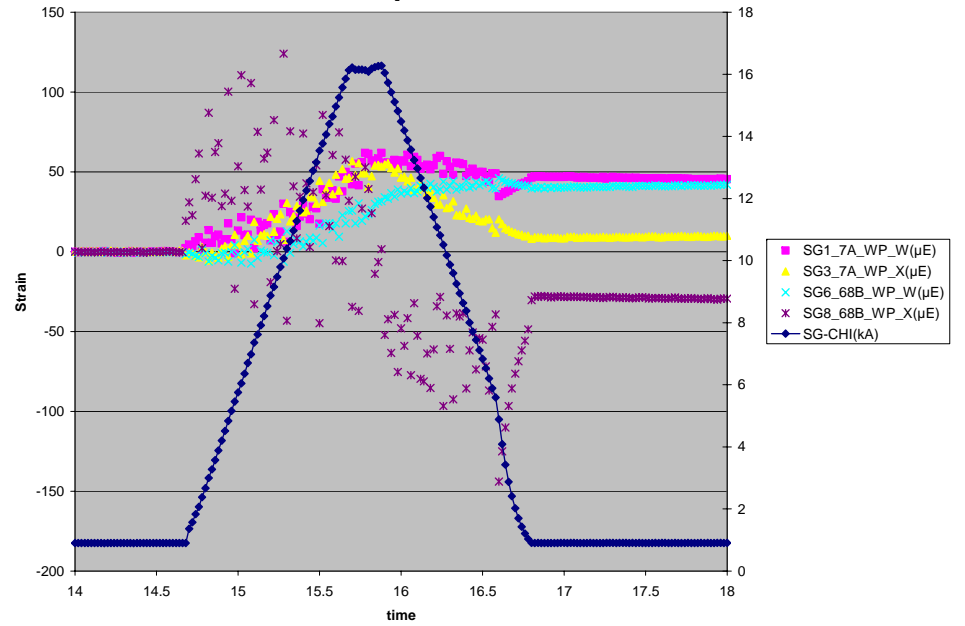


Winding Gage Plots

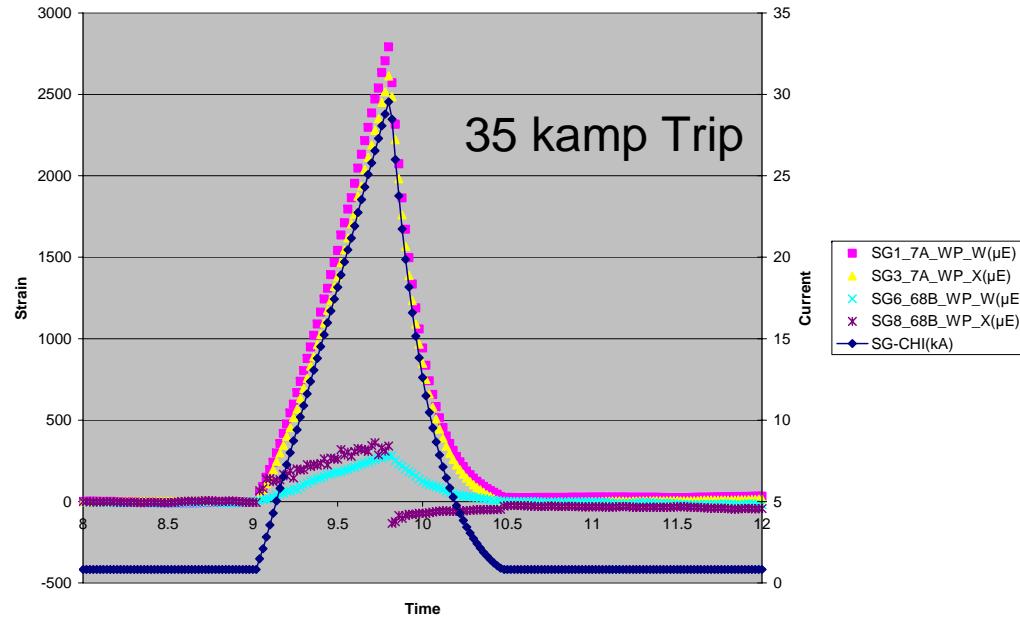
15 kAmp Cold



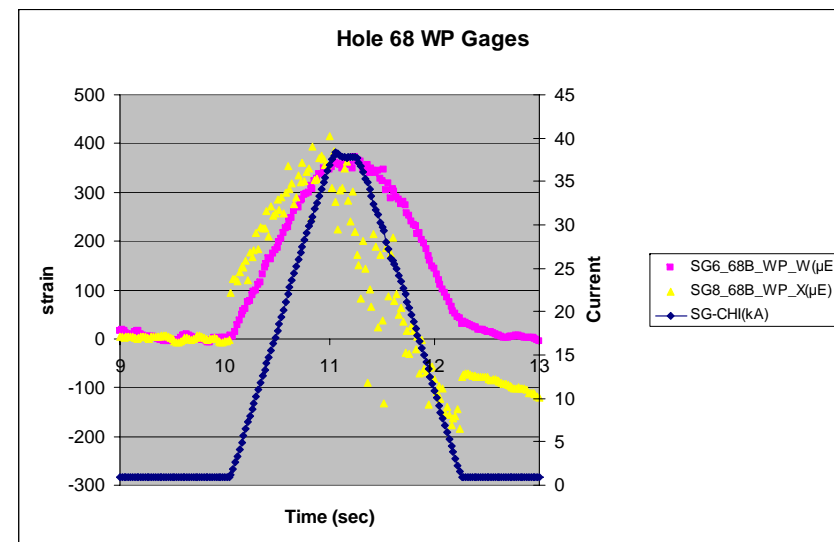
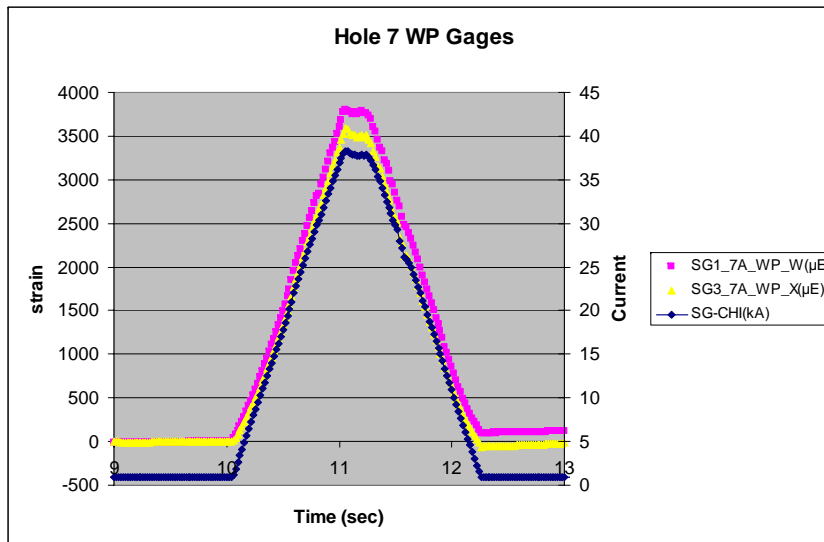
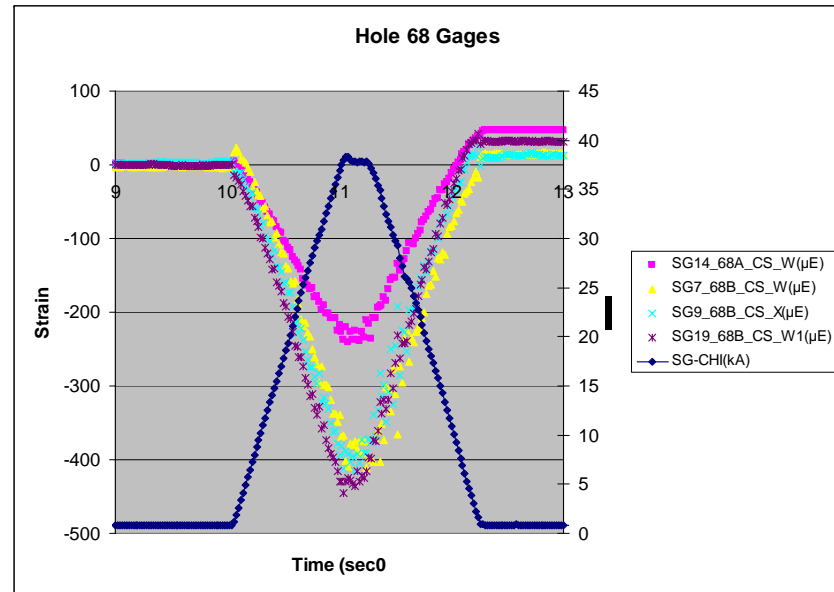
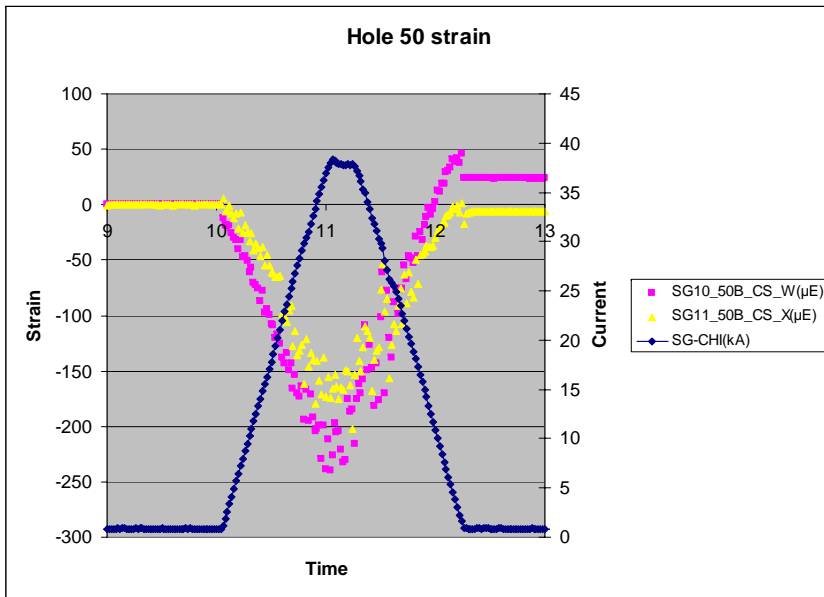
15 kAmp Warm



35 kAmp Trip

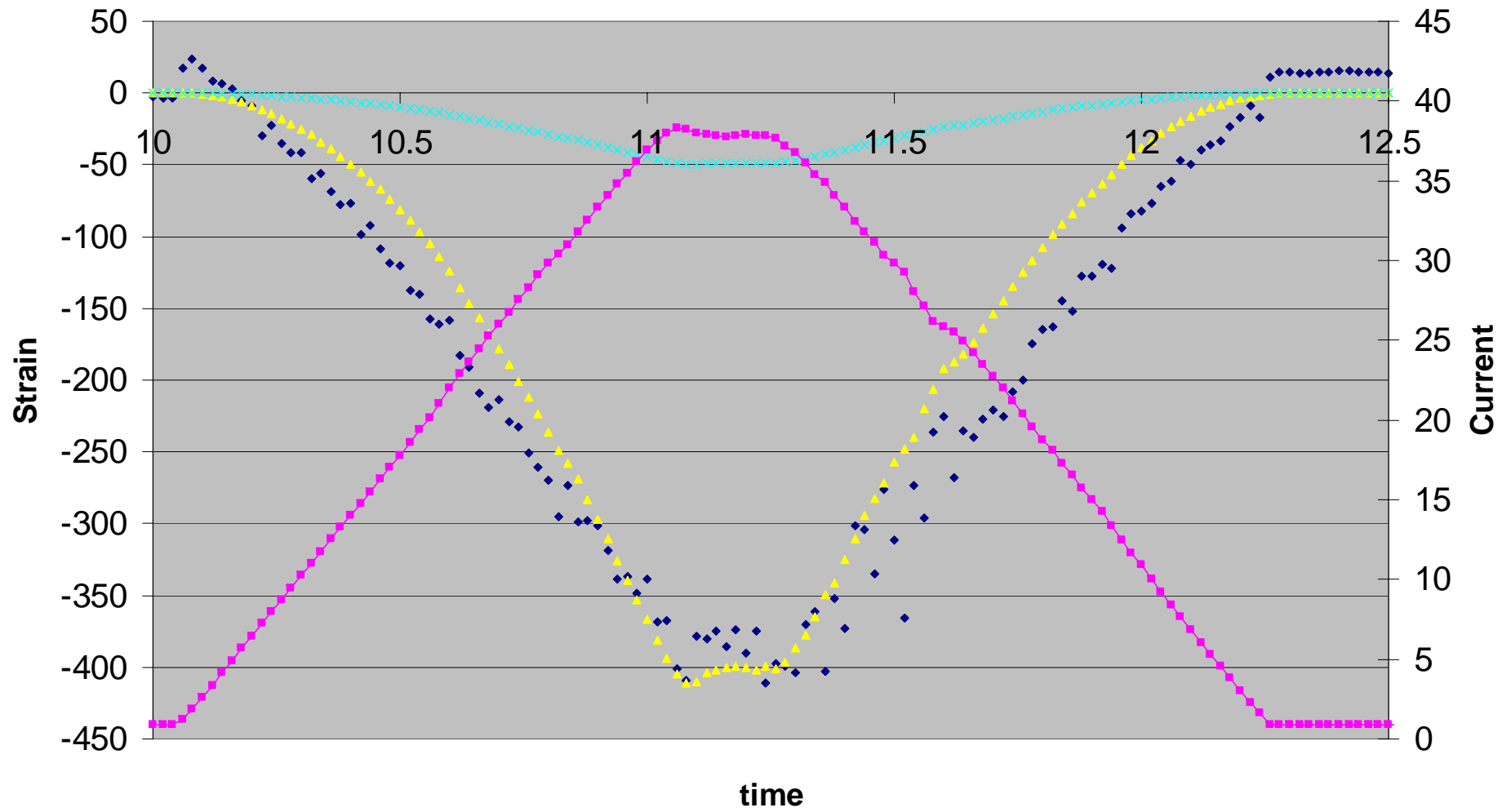


Hole strain comparison for shot 121461



Very Little chance that strain in two directions measured on like holes would be the same

36.4 Kamps, Gage 7, Hole 68, Side B, Winding Direction



◆ SG7_68B_CS_W(μE) ▲ Predicted if peak value believed × Ansys Predicted ■ SG-CHI(kA)

Points

- Data does not match ANSYS in direction or magnitude except gage 15
- Strain readings in different directions at the same hole number give roughly the same delta strain.
- Turning the current off (Trip) seems to create a different strain profile for both cryogenic and room.
- Room data is all over the place and loosely follows a voltage profile for most gages.
- Cryogenic data is highly linear while the current is being controlled (voltage applied).
- Gage 15 away from the coils near the leads looks somewhat plausible even at room temperature. (Were its wires wrapped around the windings?)