Notes Dispensing Sept 16

On August 29: prepared programs titled "triplet" "quad 1" and "quad 2" to perform the loading procedures "rectangular matrix" test.

Today - coped the triplet code into "StaveletQuads" file
This code is to test the 38 by 42 sized glass in preparation for the stavelet loading

Need to calibrate the robot
- reset module pickup location
- reset dispense cup location, done
- reset calibration location, done
- record height difference between se tip, araldite tip, height gauge, done
- set dispense height location and work adjustments for se dispensing, araldite dispensing, module placement
- set placement locations and pallet values
- change star lengths (A,B,C)
- test SE in the stavelet sized modules

making changes in file:
"File_2019Sep16_StaveletQuads"
dispense cup location:
x = 13
y = 178.275
z = 100

Stavelet Dimensions - in Rebecca's evernote

from aug 1:
diff height gauge and dispense tip:
deltaX = 59.055
deltaY = 72.77
Verified again today

Calibration location (for dispense tip):
x = 80
y = 300
Calibration location (for height gauge):
x = 139.055
y = 372.77

Height gauge zero at:
z = 119.637
SE tip zero
z = 148.025

Araldite tip zero:
139.85

POINTS program is crashing - more and more frequently. Warning messages that communication with robot was not possible show up first. (usually crashes when using the JOG frequently).

pickup tool zero:
z=139.742

glass base zero:
x = 125.015
y = 241.46

first tip position:
x = 125.015 + 5 + 21 = 151.015
y = 241.46 + 5 + 19 = 265.46

first work adjustment position
x = 151.015 + 59.055 = 210.07
y = 265.46 + 72.77 = 338.23