Name: **Isaac Beltran-Cervantes**
Date: **4/10/2022**
Location: **Huntington Park, CA**
bucket D1: **5"in**
bucket D2: **5"in**
D:
=(5-5)/2
=0/2
=0
H: **65"in**
smallest z1: **35.6 degrees**
smallest z2: **n/a**
A = z2 – z1
R = 180*D/(A*pi)

Time	S	X1	L=S+X1-D	tan(z)=L/H	z=ATAN(L/H)
12:30 pm	39"	5"	34"	0.523	27.61
12:35 pm	38 ½"	5"	33 ½"	0.515	27.25
12:40 pm	38"	5"	33"	0.507	26.89
12:45 pm	37 ½"	5"	32 ½"	0.5	26.57
12:50 pm	37"	5"	32"	0.492	26.2
12:55 pm	36 ½"	5"	31 ½"	0.485	25.88
1:00 pm	36"	5"	31"	0.477	25.50
1:05 pm	36 ½"	5"	31 ½"	0.485	25.87
1:10 pm	37"	5"	32"	0.492	26.2
1:15 pm	37 ½"	5"	32 ½"	0.5	26.57

Experiment was a bit tricky to do at times. There would be portions in which it would get cloudy and then sunny suddenly. The cloudiness made the shadows a bit more blurry to measure, but I think I did my best with measuring them. Aside from that, the calculations felt straight forward and not too difficult to complete.