

# Duncan, Ong, Tracy

Date: 10-19-18

Location: San Dimas City (in LA county), 34.1010° N, 117.8194° W

bucket D1: not applicable

bucket D2: not applicable

D: not applicable

H: 1.899 m

smallest z1: 44.133294 degrees

smallest z2: (WE WILL GET FROM OBSERVATORY)

A = z2 - z1

R = 180\*D/(A\*pi)

Time	S	X1	L=S+X1-D	tan(z)=L/H	z = ATAN(L/H)
12:07	1.870 m	0.0064 m	1.876 m	0.988099	44.66
12:12	1.860 m	0.0064 m	1.866 m	0.9828331	44.5
12:17	1.852 m	0.0064 m	1.858 m	0.9786203	44.38
12:22	1.845 m	0.0064 m	1.851 m	0.9749342	44.27
12:27	1.839 m	0.0064 m	1.845 m	0.9717746	44.18
12:32	1.837 m	0.0064 m	1.843 m	0.9707214	44.15
12:37	1.836 m	0.0064 m	1.842 m	0.9701948	44.13
12:42	1.837 m	0.0064 m	1.843 m	0.9707214	44.15
12:47	1.840 m	0.0064 m	1.846 m	0.9723012	44.2
12:52	1.846 m	0.0064 m	1.852 m	0.9754608	44.3