Key

Given:

D_C = 7°30'00"
C = 675.00'
PC = 14+49.36

Find:

Deflection angles and sub-chords to layout this curve on full stations.
Include the midpoint of arc in the table.

(1) Δ = ***52°23'44"***
(2) R = ***764.49'***
(3) L = ***699.11'***
(4) C = 675.00'
(5) T = ***376.14'***
(6) M = ***78.53'***
(7) E = ***87.52'***
(8) D_A = ***7°29'41"***
(9) D_C = 7°30'00"
(10) d_f = ***0.0375°***

STATION	ℓ	$\alpha/2$	SC	SC (200' tape)
PC 14+49.36	-0-	-0-	-0-	
15+00	***50.64'***	***1°53'52"***	***50.63'***	
16+00	***150.64'***	***5°38'42"***	***150.40'***	***-0-***
17+00	***250.64'***	***9°23'32"***	***249.52'***	***99.93'***
MPOC ***17+98.92***	***349.56'***	***13°05'57"***	***346.52'***	***198.36'***
18+00	***350.64'***	***13°08'23"***	***347.57'***	***199.43'***
19+00	***450.64'***	***16°53'13"***	***444.14'***	***99.93'***
20+00	***550.64'***	***20°38'03"***	***538.81'***	***199.43'***
21+00	***650.64'***	***24°22'54"***	***631.18'***	***99.93'***
PT ***21+48.47***	***699.11'***	***26°11'52"***	***675.00'***	***148.24'***