TABLE VII
MINUTES AND SECONDS IN DECIMALS OF A DEGREE

Min.	0″	5″	10″	15″	20″	25″	30″	35″	40″	45″	50″	55″
0	.00000	.00139	.00278	.00417	.00556	.00694	.00833	.00972	.01111	.01250	.01389	.01528
1	.01667	.01806	.01944	.02083	.02222	.02361	.02500	.02639	.02778	.02917	.03056	.03194
2	.03333	.03472	.03611	.03750	.03889	.04028	.04167	.04306	.04444	.04583	.04722	.04861
3	.05000	.05139	.05278	.05417	.05556	.05694	.05833	.05972	.06111	.06250	.06389	.06528
4	.06667	.06806	.06944	.07083	.07222	.07361	.07500	.07639	.07778	.07917	.08056	.08194
5	.08333	.08472	.08611	.08750	.08889	.09028	.09167	.09306	.09444	.09583	.09722	.09861
6	.10000	.10139	.10278	.10417	.10556	.10694	.10833	.10972	.11111	.11250	.11389	.11528
7	.11667	.11806	.11944	.12083	.12222	.12361	.12500	.12639	.12778	.12917	.13056	.13194
8	.13333	.13472	.13611	.13750	.13889	.14028	.14167	.14306	.14444	.14583	.14722	.14861
9	.15000	.15139	.15278	.15417	.15556	.15694	.15833	.15972	.16111	.16250	.16389	.16528
10	.16667	.16806	.16944	.17083	.17222	.17361	.17500	.17639	.17778	.17917	.18056	.18194
11	.18333	.18472	.18611	.18750	.18889	.19028	.19167	.19306	.19444	.19583	.19722	.19861
12	.20000	.20139	.20278	.20417	.20556	.20694	.20833	.20972	.21111	.21250	.21389	.21528
13	.21667	.21806	.21944	.22083	.22222	.22361	.22500	.22639	.22778	.22917	.23056	.23194
14	.23333	.23472	.23611	.23750	.23889	.24028	.24167	.24306	.24444	.24583	.24722	.24861
15	.25000	.25139	.25278	.25417	.25556	.25694	.25833	.25972	.26111	.26250	.26389	.26528
16	.26667	.26806	.26944	.27083	.27222	.27361	.27500	.27639	.27778	.27917	.28056	.28194
17	.28333	.28472	.28611	.28750	.28889	.29028	.29167	.29306	.29444	.29583	.29722	.29861
18	.30000	.30139	.30278	.30417	.30556	.30694	.30833	.30972	.31111	.31250	.31389	.31528
19	.31667	.31806	.31944	.32083	.32222	.32361	.32500	.32639	.32778	.32917	.33056	.33194
20	.33333	.33472	.33611	.33750	.33889	.34028	.34167	.34306	.34444	.34583	.34722	.34861
21	.35000	.35139	.35278	.35417	.35556	.35694	.35833	.35972	.36111	.36250	.36389	.36528
22	.36667	.36806	.36944	.37083	.37222	.37361	.37500	.37639	.37778	.37917	.38056	.38194
23	.38333	.38472	.38611	.38750	.38889	.39028	.39167	.39306	.39444	.39583	.39722	.39861
24	.40000	.40139	.40278	.40417	.40556	.40694	.40833	.40972	.41111	.41250	.41389	.41528
25	.41667	.41806	.41944	.42083	.42222	.42361	.42500	.42639	.42778	.42917	.43056	.43194
26	.43333	.43472	.43611	.43750	.43889	.44028	.44167	.44306	.44444	.44583	.44722	.44861
27	.45000	.45139	.45278	.45417	.45556	.45694	.45833	.45972	.46111	.46250	.46389	.46528
28	.46667	.46806	.46944	.47083	.47222	.47361	.47500	.47639	.47778	.47917	.48056	.48194
29	.48333	.48472	.48611	.48750	.48889	.49028	.49167	.49306	.49444	.49583	.49722	.49861
30	.50000	.50139	.50278	.50417	.50556	.50694	.50833	.50972	.51111	.51250	.51389	.51528

TABLE VII
MINUTES AND SECONDS IN DECIMALS OF A DEGREE

Min.	0″	5″	10″	15″	20″	25″	30″	35″	40″	45″	50″	55″
31	.51667	.51806	.51944	.52083	.52222	.52361	.52500	.52639	.52778	.52917	.53056	.53194
32	.53333	.53472	.53611	.53750	.53889	.54028	.54167	.54306	.54444	.54583	.54722	.54861
33	.55000	.55139	.55278	.55417	.55556	.55694	.55833	.55972	.56111	.56250	.56389	.56528
34	.56667	.56806	.56944	.57083	.57222	.57361	.57500	.57639	.57778	.57917	.58056	.58194
35	.58333	.58472	.58611	.58750	.58889	.59028	.59167	.59306	.59444	.59583	.59722	.59861
36	.60000	.60139	.60278	.60417	.60556	.60694	.60833	.60972	.61111	.61250	.61389	.61528
37	.61667	.61806	.61944	.62083	.62222	.62361	.62500	.62639	.62778	.62917	.63056	.63194
38	.63333	.63472	.63611	.63750	.63889	.64028	.64167	.64306	.64444	.64583	.64722	.64861
39	.65000	.65139	.65278	.65417	.65556	.65694	.65833	.65972	.66111	.66250	.66389	.66528
40	.66667	.66806	.66944	.67083	.67222	.67361	.67500	.67639	.67778	.67917	.68056	.68194
41	.68333	.68472	.68611	.68750	.68889	.69028	.69167	.69306	.69444	.69583	.69722	.69861
42	.70000	.70139	.70278	.70417	.70556	.70694	.70833	.70972	.71111	.71250	.71389	.71528
43	.71667	.71806	.71944	.72083	.72222	.72361	.72500	.72639	.72778	.72917	.73056	.73194
44	.73333	.73472	.73611	.73750	.73889	.74028	.74167	.74306	.74444	.74583	.74722	.74861
45	.75000	.75139	.75278	.75417	.75556	.75694	.75833	.75972	.76111	.76250	.76389	.76528
46	.76667	.76806	.76944	.77083	.77222	.77361	.77500	.77639	.77778	.77917	.78056	.78194
47	.78333	.78472	.78611	.78750	.78889	.79028	.79167	.79306	.79444	.79583	.79722	.79861
48	.80000	.80139	.80278	.80417	.80556	.80694	.80833	.80972	.81111	.81250	.81389	.81528
49	.81667	.81806	.81944	.82083	.82222	.82361	.82500	.82639	.82778	.82917	.83056	.83194
50	.83333	.83472	.83611	.83750	.83889	.84028	.84167	.84306	.84444	.84583	.84722	.84861
51	.85000	.85139	.85278	.85417	.85556	.85694	.85833	.85972	.86111	.86250	.86389	.86528
52	.86667	.86806	.86944	.87083	.87222	.87361	.87500	.87639	.87778	.87917	.88056	.88194
53	.88333	.88472	.88611	.88750	.88889	.89028	.89167	.89306	.89444	.89583	.89722	.89861
54	.90000	.90139	.90278	.90417	.90556	.90694	.90833	.90972	.91111	.91250	.91389	.91528
55	.91667	.91806	.91944	.92083	.92222	.92361	.92500	.92639	.92778	.92917	.93056	.93194
56	.93333	.93472	.93611	.93750	.93889	.94028	.94167	.94306	.94444	.94583	.94722	.94861
57	.95000	.95139	.95278	.95417	.95556	.95694	.95833	.95972	.96111	.96250	.96389	.96528
58	.96667	.96806	.96944	.97083	.97222	.97361	.97500	.97639	.97778	.97917	.98056	.98194
59	.98333	.98472	.98611	.98750	.98889	.99028	.99167	.99306	.99444	.99583	.99722	.99861