

TABELA 2
LATITUDES CRESCIDAS

LAT.	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	LAT.
0	0.0	59.6	119.2	178.9	238.6	298.4	358.2	418.2	478.3	538.6	599.1	659.7	0
1	1.0	60.6	120.2	179.9	239.6	299.4	359.2	419.2	479.4	539.6	600.1	660.7	1
2	2.0	61.6	121.2	180.9	240.6	300.4	360.2	420.2	480.4	540.6	601.1	661.7	2
3	3.0	62.6	122.2	181.9	241.6	301.4	361.2	421.2	481.4	541.6	602.1	662.7	3
4	4.0	63.6	123.2	182.8	242.6	302.4	362.2	422.2	482.4	542.6	603.1	663.7	4
5	5.0	64.6	124.2	183.8	243.6	303.4	363.2	423.2	483.4	543.6	604.1	664.7	5
6	6.0	65.6	125.2	184.8	244.6	304.3	364.2	424.2	484.4	544.7	605.1	665.8	6
7	6.9	66.6	126.2	185.8	245.6	305.3	365.2	425.2	485.4	545.7	606.1	666.8	7
8	7.9	67.6	127.2	186.8	246.5	306.3	366.2	426.2	486.4	546.7	607.1	667.8	8
9	8.9	68.5	128.2	187.8	247.5	307.3	367.2	427.2	487.4	547.7	608.1	668.8	9
10	9.9	69.5	129.2	188.8	248.5	308.3	368.2	428.2	488.4	548.7	609.1	669.8	10
1	10.9	70.5	130.1	189.8	249.5	309.3	369.2	429.2	489.4	549.7	610.2	670.8	1
2	11.9	71.5	131.1	190.8	250.5	310.3	370.2	430.2	490.4	550.7	611.2	671.8	2
3	12.9	72.5	132.1	191.8	251.5	311.3	371.2	431.2	491.4	551.7	612.2	672.8	3
4	13.9	73.5	133.1	192.8	252.5	312.3	372.2	432.2	492.4	552.7	613.2	673.9	4
5	14.9	74.5	134.1	193.8	253.5	313.3	373.2	433.2	493.4	553.7	614.2	674.9	5
6	15.9	75.5	135.1	194.8	254.5	314.3	374.2	434.2	494.4	554.7	615.2	675.9	6
7	16.9	76.5	136.1	195.8	255.5	315.3	375.2	435.2	495.4	555.7	616.2	676.9	7
8	17.9	77.5	137.1	196.8	256.5	316.3	376.2	436.2	496.4	556.7	617.2	677.9	8
9	18.9	78.5	138.1	197.8	257.5	317.3	377.2	437.3	497.4	557.7	618.2	678.9	9
20	19.9	79.5	139.1	198.8	258.5	318.3	378.2	438.3	498.4	558.7	619.2	679.9	20
1	20.9	80.5	140.1	199.8	259.5	319.3	379.2	439.3	499.4	559.7	620.2	680.9	1
2	21.8	81.5	141.1	200.8	260.5	320.3	380.2	440.3	500.4	560.8	621.3	682.0	2
3	22.8	82.4	142.1	201.8	261.5	321.3	381.2	441.3	501.4	561.8	622.3	683.0	3
4	23.8	83.4	143.1	202.7	262.5	322.3	382.2	442.3	502.4	562.8	623.3	684.0	4
5	24.8	84.4	144.1	203.7	263.5	323.3	383.2	443.3	503.4	563.8	624.3	685.0	5
6	25.8	85.4	145.1	204.7	264.5	324.3	384.2	444.3	504.4	564.8	625.3	686.0	6
7	26.8	86.4	146.1	205.7	265.5	325.3	385.2	445.3	505.4	565.8	626.3	687.0	7
8	27.8	87.4	147.0	206.7	266.5	326.3	386.2	446.3	506.5	566.8	627.3	688.0	8
9	28.8	88.4	148.0	207.7	267.5	327.3	387.2	447.3	507.5	567.8	628.3	689.1	9
30	29.8	89.4	149.0	208.7	268.5	328.3	388.2	448.3	508.5	568.8	629.3	690.1	30
1	30.8	90.4	150.0	209.7	269.5	329.3	389.2	449.3	509.5	569.8	630.3	691.1	1
2	31.8	91.4	151.0	210.7	270.5	330.3	390.2	450.3	510.5	570.8	631.4	692.1	2
3	32.8	92.4	152.0	211.7	271.4	331.3	391.2	451.3	511.5	571.8	632.4	693.1	3
4	33.8	93.4	153.0	212.7	272.4	332.3	392.2	452.3	512.5	572.8	633.4	694.1	4
5	34.8	94.4	154.0	213.7	273.4	333.3	393.2	453.3	513.5	573.8	634.4	695.1	5
6	35.8	95.4	155.0	214.7	274.4	334.3	394.2	454.3	514.5	574.9	635.4	696.2	6
7	36.7	96.4	156.0	215.7	275.4	335.3	395.2	455.3	515.5	575.9	636.4	697.2	7
8	37.7	97.4	157.0	216.7	276.4	336.3	396.2	456.3	516.5	576.9	637.4	698.2	8
9	38.7	98.3	158.0	217.7	277.4	337.3	397.2	457.3	517.5	577.9	638.4	699.2	9
40	39.7	99.3	159.0	218.7	278.4	338.3	398.2	458.3	518.5	578.9	639.4	700.2	40
1	40.7	100.3	160.0	219.7	279.4	339.3	399.2	459.3	519.5	579.9	640.5	701.2	1
2	41.7	101.3	161.0	220.7	280.4	340.3	400.2	460.3	520.5	580.9	641.5	702.2	2
3	42.7	102.3	162.0	221.7	281.4	341.3	401.2	461.3	521.5	581.9	642.5	703.3	3
4	43.7	103.3	163.0	222.7	282.4	342.3	402.2	462.3	522.5	582.9	643.5	704.3	4
5	44.7	104.3	164.0	223.6	283.4	343.3	403.2	463.3	523.5	583.9	644.5	705.3	5
6	45.7	105.3	164.9	224.6	284.4	344.3	404.2	464.3	524.5	584.9	645.5	706.3	6
7	46.7	106.3	165.9	225.6	285.4	345.3	405.2	465.3	525.5	585.9	646.5	707.3	7
8	47.7	107.3	166.9	226.6	286.4	346.3	406.2	466.3	526.5	587.0	647.5	708.3	8
9	48.7	108.3	167.9	227.6	287.4	347.3	407.2	467.3	527.6	588.0	648.5	709.3	9
50	49.7	109.3	168.9	228.6	288.4	348.3	408.2	468.3	528.6	589.0	649.6	710.4	50
1	50.7	110.3	169.9	229.6	289.4	349.3	409.2	469.3	529.6	590.0	650.6	711.4	1
2	51.6	111.3	170.9	230.6	290.4	350.3	410.2	470.3	530.6	591.0	651.6	712.4	2
3	52.6	112.3	171.9	231.6	291.4	351.3	411.2	471.3	531.6	592.0	652.6	713.4	3
4	53.6	113.3	172.9	232.6	292.4	352.2	412.2	472.3	532.6	593.0	653.6	714.4	4
5	54.6	114.2	173.9	233.6	293.4	353.2	413.2	473.3	533.6	594.0	654.6	715.4	5
6	55.6	115.2	174.9	234.6	294.4	354.2	414.2	474.3	534.6	595.0	655.6	716.5	6
7	56.6	116.2	175.9	235.6	295.4	355.2	415.2	475.3	535.6	596.0	656.6	717.5	7
8	57.6	117.2	176.9	236.6	296.4	356.2	416.2	476.3	536.6	597.0	657.7	718.5	8
9	58.6	118.2	177.9	237.6	297.4	357.2	417.2	477.3	537.6	598.0	658.7	719.5	9
60	59.6	119.2	178.9	238.6	298.4	358.2	418.2	478.3	538.6	599.1	659.7	720.5	60
LAT.	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	LAT.

TABELA 2
LATITUDES CRESCIDAS

LAT.	12°	13°	14°	15°	16°	17°	18°	19°	20°	21°	22°	23°	LAT.
0	720.5	781.6	842.9	904.5	966.4	1028.5	1091.1	1154.0	1217.2	1280.9	1345.0	1409.6	0
1	721.5	782.6	843.9	905.5	967.4	1029.6	1092.1	1155.0	1218.3	1282.0	1346.1	1410.7	1
2	722.5	783.6	844.9	906.5	968.4	1030.6	1093.2	1156.1	1219.3	1283.0	1347.2	1411.8	2
3	723.6	784.6	846.0	907.6	969.5	1031.7	1094.2	1157.1	1220.4	1284.1	1348.2	1412.8	3
4	724.6	785.7	847.0	908.6	970.5	1032.7	1095.3	1158.2	1221.5	1285.2	1349.3	1413.9	4
5	725.6	786.7	848.0	909.6	971.5	1033.7	1096.3	1159.2	1222.5	1286.2	1350.4	1415.0	5
6	726.6	787.7	849.0	910.6	972.6	1034.8	1097.3	1160.3	1223.6	1287.3	1351.5	1416.1	6
7	727.6	788.7	850.1	911.7	973.6	1035.8	1098.4	1161.3	1224.6	1288.4	1352.5	1417.2	7
8	728.6	789.7	851.1	912.7	974.6	1036.9	1099.4	1162.4	1225.7	1289.4	1353.6	1418.2	8
9	729.7	790.8	852.1	913.7	975.7	1037.9	1100.5	1163.4	1226.8	1290.5	1354.7	1419.3	9
10	730.7	791.8	853.1	914.8	976.7	1038.9	1101.5	1164.5	1227.8	1291.6	1355.8	1420.4	10
1	731.7	792.8	854.2	915.8	977.7	1040.0	1102.6	1165.5	1228.9	1292.6	1356.8	1421.5	1
2	732.7	793.8	855.2	916.8	978.8	1041.0	1103.6	1166.6	1229.9	1293.7	1357.9	1422.6	2
3	733.7	794.8	856.2	917.9	979.8	1042.1	1104.7	1167.6	1231.0	1294.8	1359.0	1423.6	3
4	734.7	795.9	857.2	918.9	980.8	1043.1	1105.7	1168.7	1232.1	1295.8	1360.0	1424.7	4
5	735.8	796.9	858.3	919.9	981.9	1044.1	1106.8	1169.7	1233.1	1296.9	1361.1	1425.8	5
6	736.8	797.9	859.3	920.9	982.9	1045.2	1107.8	1170.8	1234.2	1298.0	1362.2	1426.9	6
7	737.8	798.9	860.3	922.0	983.9	1046.2	1108.9	1171.8	1235.2	1299.0	1363.3	1428.0	7
8	738.8	799.9	861.3	923.0	985.0	1047.3	1109.9	1172.9	1236.3	1300.1	1364.3	1429.1	8
9	739.8	801.0	862.4	924.0	986.0	1048.3	1110.9	1173.9	1237.3	1301.2	1365.4	1430.1	9
20	740.8	802.0	863.4	925.1	987.0	1049.3	1112.0	1175.0	1238.4	1302.2	1366.5	1431.2	20
1	741.9	803.0	864.4	926.1	988.1	1050.4	1113.0	1176.1	1239.5	1303.3	1367.6	1432.3	1
2	742.9	804.0	865.4	927.1	989.1	1051.4	1114.1	1177.1	1240.5	1304.4	1368.6	1433.4	2
3	743.9	805.0	866.5	928.2	990.2	1052.5	1115.1	1178.2	1241.6	1305.4	1369.7	1434.5	3
4	744.9	806.1	867.5	929.2	991.2	1053.5	1116.2	1179.2	1242.7	1306.5	1370.8	1435.6	4
5	745.9	807.1	868.5	930.2	992.2	1054.6	1117.2	1180.3	1243.7	1307.6	1371.9	1436.6	5
6	746.9	808.1	869.5	931.2	993.3	1055.6	1118.3	1181.3	1244.8	1308.6	1372.9	1437.7	6
7	748.0	809.1	870.6	932.3	994.3	1056.6	1119.3	1182.4	1245.8	1309.7	1374.0	1438.8	7
8	749.0	810.2	871.6	933.3	995.3	1057.7	1120.4	1183.4	1246.9	1310.8	1375.1	1439.9	8
9	750.0	811.2	872.6	934.3	996.4	1058.7	1121.4	1184.5	1248.0	1311.8	1376.2	1441.0	9
30	751.0	812.2	873.6	935.4	997.4	1059.8	1122.5	1185.5	1249.0	1312.9	1377.2	1442.1	30
1	752.0	813.2	874.7	936.4	998.4	1060.8	1123.5	1186.6	1250.1	1314.0	1378.3	1443.1	1
2	753.0	814.2	875.7	937.4	999.5	1061.8	1124.6	1187.7	1251.1	1315.0	1379.4	1444.2	2
3	754.1	815.3	876.7	938.5	1000.5	1062.9	1125.6	1188.7	1252.2	1316.1	1380.5	1445.3	3
4	755.1	816.3	877.8	939.5	1001.6	1063.9	1126.7	1189.8	1253.3	1317.2	1381.6	1446.4	4
5	756.1	817.3	878.8	940.5	1002.6	1065.0	1127.7	1190.8	1254.3	1318.3	1382.6	1447.5	5
6	757.1	818.3	879.8	941.6	1003.6	1066.0	1128.8	1191.9	1255.4	1319.3	1383.7	1448.6	6
7	758.1	819.4	880.8	942.6	1004.7	1067.1	1129.8	1192.9	1256.4	1320.4	1384.8	1449.7	7
8	759.2	820.4	881.9	943.6	1005.7	1068.1	1130.9	1194.0	1257.5	1321.5	1385.9	1450.7	8
9	760.2	821.4	882.9	944.7	1006.7	1069.1	1131.9	1195.0	1258.6	1322.5	1386.9	1451.8	9
40	761.2	822.4	883.9	945.7	1007.8	1070.2	1133.0	1196.1	1259.6	1323.6	1388.0	1452.9	40
1	762.2	823.4	884.9	946.7	1008.8	1071.2	1134.0	1197.1	1260.7	1324.7	1389.1	1454.0	1
2	763.2	824.5	886.0	947.8	1009.8	1072.3	1135.1	1198.2	1261.8	1325.7	1390.2	1455.1	2
3	764.3	825.5	887.0	948.8	1010.9	1073.3	1136.1	1199.3	1262.8	1326.8	1391.2	1456.2	3
4	765.3	826.5	888.0	949.8	1011.9	1074.4	1137.2	1200.3	1263.9	1327.9	1392.3	1457.3	4
5	766.3	827.5	889.1	950.9	1013.0	1075.4	1138.2	1201.4	1264.9	1329.0	1393.4	1458.3	5
6	767.3	828.6	890.1	951.9	1014.0	1076.4	1139.2	1202.4	1266.0	1330.0	1394.5	1459.4	6
7	768.3	829.6	891.1	952.9	1015.0	1077.5	1140.3	1203.5	1267.1	1331.1	1395.6	1460.5	7
8	769.3	830.6	892.1	954.0	1016.1	1078.5	1141.3	1204.5	1268.1	1332.2	1396.6	1461.6	8
9	770.4	831.6	893.2	955.0	1017.1	1079.6	1142.4	1205.6	1269.2	1333.2	1397.7	1462.7	9
50	771.4	832.7	894.2	956.0	1018.2	1080.6	1143.5	1206.7	1270.3	1334.3	1398.8	1463.8	50
1	772.4	833.7	895.2	957.1	1019.2	1081.7	1144.5	1207.7	1271.3	1335.4	1399.9	1464.9	1
2	773.4	834.7	896.2	958.1	1020.2	1082.7	1145.6	1208.8	1272.4	1336.4	1401.0	1465.9	2
3	774.4	835.7	897.3	959.1	1021.3	1083.8	1146.6	1209.8	1273.5	1337.5	1402.0	1467.0	3
4	775.5	836.7	898.3	960.1	1022.3	1084.8	1147.7	1210.9	1274.5	1338.6	1403.1	1468.1	4
5	776.5	837.8	899.3	961.2	1023.3	1085.8	1148.7	1211.9	1275.6	1339.7	1404.2	1469.2	5
6	777.5	838.8	900.4	962.2	1024.4	1086.9	1149.8	1213.0	1276.6	1340.7	1405.3	1470.3	6
7	778.5	839.8	901.4	963.2	1025.4	1087.9	1150.8	1214.1	1277.7	1341.8	1406.4	1471.4	7
8	779.5	840.8	902.4	964.3	1026.5	1089.0	1151.9	1215.1	1278.8	1342.9	1407.5	1472.5	8
9	780.6	841.9	903.4	965.3	1027.5	1090.0	1152.9	1216.2	1279.8	1343.9	1408.5	1473.6	9
60	781.6	842.9	904.5	966.4	1028.5	1091.1	1154.0	1217.2	1280.9	1345.0	1409.6	1474.7	60
LAT.	12°	13°	14°	15°	16°	17°	18°	19°	20°	21°	22°	23°	LAT.

TABELA 2
LATITUDES CRESCIDAS

LAT.	24°	25°	26°	27°	28°	29°	30°	31°	32°	33°	34°	35°	LAT.
0	1474.7	1540.2	1606.3	1673.0	1740.3	1808.2	1876.8	1946.1	2016.1	2086.9	2158.5	2231.0	0
1	1475.7	1541.3	1607.4	1674.1	1741.4	1809.4	1878.0	1947.3	2017.3	2088.1	2159.7	2232.2	1
2	1476.8	1542.4	1608.5	1675.2	1742.5	1810.5	1879.1	1948.4	2018.5	2089.3	2160.9	2233.4	2
3	1477.9	1543.5	1609.7	1676.4	1743.7	1811.6	1880.3	1949.6	2019.6	2090.5	2162.1	2234.7	3
4	1479.0	1544.6	1610.8	1677.5	1744.8	1812.8	1881.4	1950.7	2020.8	2091.7	2163.3	2235.9	4
5	1480.1	1545.7	1611.9	1678.6	1745.9	1813.9	1882.6	1951.9	2022.0	2092.9	2164.5	2237.1	5
6	1481.2	1546.8	1613.0	1679.7	1747.1	1815.0	1883.7	1953.1	2023.2	2094.0	2165.8	2238.3	6
7	1482.3	1547.9	1614.1	1680.8	1748.2	1816.2	1884.9	1954.2	2024.3	2095.2	2166.9	2239.5	7
8	1483.4	1549.0	1615.2	1682.0	1749.3	1817.3	1886.0	1955.4	2025.5	2096.4	2168.2	2240.7	8
9	1484.5	1550.1	1616.3	1683.1	1750.4	1818.5	1887.2	1956.6	2026.7	2097.6	2169.4	2242.0	9
10	1485.5	1551.2	1617.4	1684.2	1751.6	1819.6	1888.3	1957.7	2027.9	2098.8	2170.6	2243.2	10
1	1486.6	1552.3	1618.5	1685.3	1752.7	1820.7	1889.5	1958.9	2029.0	2100.0	2171.8	2244.4	1
2	1487.7	1553.4	1619.6	1686.4	1753.8	1821.9	1890.6	1960.0	2030.2	2101.2	2173.0	2245.6	2
3	1488.8	1554.5	1620.7	1687.5	1755.0	1823.0	1891.8	1961.2	2031.4	2102.4	2174.2	2246.8	3
4	1489.9	1555.6	1621.8	1688.7	1756.1	1824.2	1892.9	1962.4	2032.6	2103.6	2175.4	2248.0	4
5	1491.0	1556.7	1622.9	1689.8	1757.2	1825.3	1894.1	1963.5	2033.7	2104.8	2176.6	2249.3	5
6	1492.1	1557.8	1624.1	1690.9	1758.3	1826.4	1895.2	1964.7	2034.9	2105.9	2177.8	2250.5	6
7	1493.2	1558.9	1625.2	1692.0	1759.5	1827.6	1896.4	1965.9	2036.1	2107.1	2179.0	2251.7	7
8	1494.3	1560.0	1626.3	1693.1	1760.6	1828.7	1897.5	1967.0	2037.3	2108.3	2180.2	2252.9	8
9	1495.4	1561.1	1627.4	1694.3	1761.7	1829.9	1898.7	1968.2	2038.5	2109.5	2181.4	2254.1	9
20	1496.4	1562.2	1628.5	1695.4	1762.9	1831.0	1899.8	1969.4	2039.6	2110.7	2182.6	2255.4	20
1	1497.5	1563.3	1629.6	1696.5	1764.0	1832.2	1901.0	1970.5	2040.8	2111.9	2183.8	2256.6	1
2	1498.6	1564.4	1630.7	1697.6	1765.1	1833.3	1902.1	1971.7	2042.0	2113.1	2185.0	2257.8	2
3	1499.7	1565.5	1631.8	1698.7	1766.3	1834.4	1903.3	1972.9	2043.2	2114.3	2186.2	2259.0	3
4	1500.8	1566.6	1632.9	1699.9	1767.4	1835.6	1904.4	1974.0	2044.3	2115.5	2187.4	2260.2	4
5	1501.9	1567.7	1634.0	1701.0	1768.5	1836.7	1905.6	1975.2	2045.5	2116.7	2188.6	2261.5	5
6	1503.0	1568.8	1635.2	1702.1	1769.7	1837.9	1906.7	1976.3	2046.7	2117.9	2189.8	2262.7	6
7	1504.1	1569.9	1636.3	1703.2	1770.8	1839.0	1907.9	1977.5	2047.9	2119.0	2191.0	2263.9	7
8	1505.2	1571.0	1637.4	1704.3	1771.9	1840.1	1909.1	1978.7	2049.1	2120.2	2192.3	2265.1	8
9	1506.3	1572.1	1638.5	1705.5	1773.0	1841.3	1910.2	1979.8	2050.2	2121.4	2193.5	2266.4	9
30	1507.4	1573.2	1639.6	1706.6	1774.2	1842.4	1911.4	1981.0	2051.4	2122.6	2194.7	2267.6	30
1	1508.5	1574.3	1640.7	1707.7	1775.3	1843.6	1912.5	1982.2	2052.6	2123.8	2195.9	2268.8	1
2	1509.6	1575.4	1641.8	1708.8	1776.4	1844.7	1913.7	1983.3	2053.8	2125.0	2197.1	2270.0	2
3	1510.6	1576.5	1642.9	1709.9	1777.6	1845.9	1914.8	1984.5	2055.0	2126.2	2198.3	2271.3	3
4	1511.7	1577.6	1644.0	1711.1	1778.7	1847.0	1916.0	1985.7	2056.1	2127.4	2199.5	2272.5	4
5	1512.8	1578.7	1645.2	1712.2	1779.8	1848.1	1917.1	1986.9	2057.3	2128.6	2200.7	2273.7	5
6	1513.9	1579.8	1646.3	1713.3	1781.0	1849.3	1918.3	1988.0	2058.5	2129.8	2201.9	2274.9	6
7	1515.0	1580.9	1647.4	1714.4	1782.1	1850.4	1919.4	1989.2	2059.7	2131.0	2203.1	2276.2	7
8	1516.1	1582.0	1648.5	1715.6	1783.2	1851.6	1920.6	1990.4	2060.9	2132.2	2204.3	2277.4	8
9	1517.2	1583.1	1649.6	1716.7	1784.4	1852.7	1921.8	1991.5	2062.0	2133.4	2205.5	2278.6	9
40	1518.3	1584.2	1650.7	1717.8	1785.5	1853.9	1922.9	1992.7	2063.2	2134.6	2206.8	2279.8	40
1	1519.4	1585.3	1651.8	1718.9	1786.6	1855.0	1924.1	1993.9	2064.4	2135.8	2208.0	2281.1	1
2	1520.5	1586.4	1652.9	1720.0	1787.8	1856.2	1925.2	1995.0	2065.6	2137.0	2209.2	2282.3	2
3	1521.6	1587.5	1654.1	1721.2	1788.9	1857.3	1926.4	1996.2	2066.8	2138.2	2210.4	2283.5	3
4	1522.7	1588.6	1655.2	1722.3	1790.0	1858.4	1927.5	1997.4	2068.0	2139.4	2211.6	2284.7	4
5	1523.8	1589.8	1656.3	1723.4	1791.2	1859.6	1928.7	1998.5	2069.1	2140.6	2212.8	2286.0	5
6	1524.9	1590.9	1657.4	1724.5	1792.3	1860.7	1929.9	1999.7	2070.3	2141.8	2214.0	2287.2	6
7	1526.0	1592.0	1658.5	1725.7	1793.4	1861.9	1931.0	2000.9	2071.5	2143.0	2215.2	2288.4	7
8	1527.1	1593.1	1659.6	1726.8	1794.6	1863.0	1932.2	2002.1	2072.7	2144.2	2216.4	2289.6	8
9	1528.2	1594.2	1660.7	1727.9	1795.7	1864.2	1933.3	2003.2	2073.9	2145.3	2217.7	2290.9	9
50	1529.3	1595.3	1661.9	1729.0	1796.9	1865.3	1934.5	2004.4	2075.1	2146.5	2218.9	2292.1	50
1	1530.3	1596.4	1663.0	1730.2	1798.0	1866.5	1935.7	2005.6	2076.2	2147.7	2220.1	2293.3	1
2	1531.4	1597.5	1664.1	1731.3	1799.1	1867.6	1936.8	2006.7	2077.4	2148.9	2221.3	2294.6	2
3	1532.5	1598.6	1665.2	1732.4	1800.3	1868.8	1938.0	2007.9	2078.6	2150.1	2222.5	2295.8	3
4	1533.6	1599.7	1666.3	1733.5	1801.4	1869.9	1939.1	2009.1	2079.8	2151.3	2223.7	2297.0	4
5	1534.7	1600.8	1667.4	1734.7	1802.5	1871.1	1940.3	2010.3	2081.0	2152.5	2224.9	2298.2	5
6	1535.8	1601.9	1668.6	1735.8	1803.7	1872.2	1941.5	2011.4	2082.2	2153.7	2226.2	2299.5	6
7	1536.9	1603.0	1669.7	1736.9	1804.8	1873.4	1942.6	2012.6	2083.4	2154.9	2227.4	2300.7	7
8	1538.0	1604.1	1670.8	1738.0	1805.9	1874.5	1943.8	2013.8	2084.6	2156.1	2228.6	2301.9	8
9	1539.1	1605.2	1671.9	1739.2	1807.1	1875.7	1944.9	2014.9	2085.7	2157.3	2229.8	2303.2	9
60	1540.2	1606.3	1673.0	1740.3	1808.2	1876.8	1946.1	2016.1	2086.9	2158.5	2231.0	2304.4	60
LAT.	24°	25°	26°	27°	28°	29°	30°	31°	32°	33°	34°	35°	LAT.

TABELA 2
LATITUDES CRESCIDAS

LAT.	36°	37°	38°	39°	40°	41°	42°	43°	44°	45°	46°	47°	LAT.
0	2304.4	2378.7	2454.0	2530.4	2607.8	2686.4	2766.2	2847.3	2929.7	3013.6	3098.9	3185.8	0
1	2305.6	2380.0	2455.3	2531.6	2609.1	2687.7	2767.6	2848.7	2931.1	3015.0	3100.3	3187.2	1
2	2306.8	2381.2	2456.5	2532.9	2610.4	2689.1	2768.9	2850.0	2932.5	3016.4	3101.8	3188.7	2
3	2308.1	2382.4	2457.8	2534.2	2611.7	2690.4	2770.3	2851.4	2933.9	3017.8	3103.2	3190.2	3
4	2309.3	2383.7	2459.1	2535.5	2613.0	2691.7	2771.6	2852.8	2935.3	3019.2	3104.6	3191.6	4
5	2310.5	2384.9	2460.3	2536.8	2614.3	2693.0	2772.9	2854.1	2936.7	3020.6	3106.1	3193.1	5
6	2311.8	2386.2	2461.6	2538.1	2615.6	2694.3	2774.3	2855.5	2938.1	3022.0	3107.5	3194.6	6
7	2313.0	2387.4	2462.9	2539.3	2616.9	2695.7	2775.6	2856.9	2939.4	3023.4	3108.9	3196.0	7
8	2314.2	2388.7	2464.1	2540.6	2618.2	2697.0	2777.0	2858.2	2940.8	3024.9	3110.4	3197.5	8
9	2315.5	2389.9	2465.4	2541.9	2619.5	2698.3	2778.3	2859.6	2942.2	3026.3	3111.8	3199.0	9
10	2316.7	2391.2	2466.7	2543.2	2620.8	2699.6	2779.6	2861.0	2943.6	3027.7	3113.3	3200.4	10
1	2317.9	2392.4	2467.9	2544.5	2622.1	2701.0	2781.0	2862.3	2945.0	3029.1	3114.7	3201.9	1
2	2319.2	2393.7	2469.2	2545.8	2623.4	2702.3	2782.3	2863.7	2946.4	3030.5	3116.1	3203.4	2
3	2320.4	2394.9	2470.5	2547.1	2624.7	2703.6	2783.7	2865.0	2947.8	3031.9	3117.6	3204.8	3
4	2321.6	2396.2	2471.7	2548.3	2626.0	2704.9	2785.0	2866.4	2949.2	3033.3	3119.0	3206.3	4
5	2322.9	2397.4	2473.0	2549.6	2627.4	2706.3	2786.4	2867.8	2950.6	3034.8	3120.5	3207.8	5
6	2324.1	2398.7	2474.3	2550.9	2628.7	2707.6	2787.7	2869.2	2951.9	3036.2	3121.9	3209.2	6
7	2325.3	2399.9	2475.5	2552.2	2630.0	2708.9	2789.1	2870.5	2953.3	3037.6	3123.4	3210.7	7
8	2326.6	2401.2	2476.8	2553.5	2631.3	2710.2	2790.4	2871.9	2954.7	3039.0	3124.8	3212.2	8
9	2327.8	2402.4	2478.1	2554.8	2632.6	2711.6	2791.8	2873.3	2956.1	3040.4	3126.2	3213.6	9
20	2329.1	2403.7	2479.3	2556.1	2633.9	2712.9	2793.1	2874.6	2957.5	3041.8	3127.7	3215.1	20
1	2330.3	2404.9	2480.6	2557.3	2635.2	2714.2	2794.5	2876.0	2958.9	3043.3	3129.1	3216.6	1
2	2331.5	2406.2	2481.9	2558.6	2636.5	2715.5	2795.8	2877.4	2960.3	3044.7	3130.6	3218.1	2
3	2332.8	2407.5	2483.2	2559.9	2637.8	2716.9	2797.2	2878.7	2961.7	3046.1	3132.0	3219.5	3
4	2334.0	2408.7	2484.4	2561.2	2639.1	2718.2	2798.5	2880.1	2963.1	3047.5	3133.5	3221.0	4
5	2335.2	2410.0	2485.7	2562.5	2640.4	2719.5	2799.9	2881.5	2964.5	3048.9	3134.9	3222.5	5
6	2336.5	2411.2	2487.0	2563.8	2641.7	2720.8	2801.2	2882.9	2965.9	3050.4	3136.3	3223.9	6
7	2337.7	2412.5	2488.2	2565.1	2643.0	2722.2	2802.6	2884.2	2967.3	3051.8	3137.8	3225.4	7
8	2338.9	2413.7	2489.5	2566.4	2644.3	2723.5	2803.9	2885.6	2968.7	3053.2	3139.2	3226.9	8
9	2340.2	2415.0	2490.8	2567.7	2645.7	2724.8	2805.3	2887.0	2970.1	3054.6	3140.7	3228.4	9
30	2341.4	2416.2	2492.1	2569.0	2647.0	2726.2	2806.6	2888.4	2971.5	3056.0	3142.1	3229.8	30
1	2342.7	2417.5	2493.3	2570.2	2648.3	2727.5	2808.0	2889.7	2972.9	3057.5	3143.6	3231.3	1
2	2343.9	2418.7	2494.6	2571.5	2649.6	2728.8	2809.3	2891.1	2974.3	3058.9	3145.0	3232.8	2
3	2345.1	2420.0	2495.9	2572.8	2650.9	2730.2	2810.7	2892.5	2975.7	3060.3	3146.5	3234.3	3
4	2346.4	2421.3	2497.1	2574.1	2652.2	2731.5	2812.0	2893.8	2977.1	3061.7	3147.9	3235.7	4
5	2347.6	2422.5	2498.4	2575.4	2653.5	2732.8	2813.4	2895.2	2978.5	3063.2	3149.4	3237.2	5
6	2348.9	2423.8	2499.7	2576.7	2654.8	2734.2	2814.7	2896.6	2979.9	3064.6	3150.8	3238.7	6
7	2350.1	2425.0	2501.0	2578.0	2656.1	2735.5	2816.1	2898.0	2981.3	3066.0	3152.3	3240.2	7
8	2351.3	2426.3	2502.2	2579.3	2657.5	2736.8	2817.4	2899.4	2982.7	3067.4	3153.7	3241.7	8
9	2352.6	2427.5	2503.5	2580.6	2658.8	2738.1	2818.8	2900.7	2984.1	3068.9	3155.2	3243.1	9
40	2353.8	2428.8	2504.8	2581.9	2660.1	2739.5	2820.1	2902.1	2985.5	3070.3	3156.6	3244.6	40
1	2355.1	2430.1	2506.1	2583.2	2661.4	2740.8	2821.5	2903.5	2986.9	3071.7	3158.1	3246.1	1
2	2356.3	2431.3	2507.3	2584.5	2662.7	2742.2	2822.8	2904.9	2988.3	3073.1	3159.6	3247.6	2
3	2357.6	2432.6	2508.6	2585.8	2664.0	2743.5	2824.2	2906.2	2989.7	3074.6	3161.0	3249.1	3
4	2358.8	2433.8	2509.9	2587.1	2665.3	2744.8	2825.6	2907.6	2991.1	3076.0	3162.5	3250.5	4
5	2360.0	2435.1	2511.2	2588.3	2666.7	2746.2	2826.9	2909.0	2992.5	3077.4	3163.9	3252.0	5
6	2361.3	2436.4	2512.5	2589.6	2668.0	2747.5	2828.3	2910.4	2993.9	3078.8	3165.4	3253.5	6
7	2362.5	2437.6	2513.7	2590.9	2669.3	2748.8	2829.6	2911.8	2995.3	3080.3	3166.8	3255.0	7
8	2363.8	2438.9	2515.0	2592.2	2670.6	2750.2	2831.0	2913.1	2996.7	3081.7	3168.3	3256.5	8
9	2365.0	2440.1	2516.3	2593.5	2671.9	2751.5	2832.3	2914.5	2998.1	3083.1	3169.7	3258.0	9
50	2366.2	2441.4	2517.6	2594.8	2673.2	2752.8	2833.7	2915.9	2999.5	3084.6	3171.2	3259.4	50
1	2367.5	2442.6	2518.8	2596.1	2674.5	2754.2	2835.1	2917.3	3000.9	3086.0	3172.6	3260.9	1
2	2368.7	2443.9	2520.1	2597.4	2675.9	2755.5	2836.4	2918.7	3002.3	3087.4	3174.1	3262.4	2
3	2370.0	2445.2	2521.4	2598.7	2677.2	2756.8	2837.8	2920.1	3003.7	3088.9	3175.6	3263.9	3
4	2371.2	2446.4	2522.7	2600.0	2678.5	2758.2	2839.1	2921.4	3005.1	3090.3	3177.0	3265.4	4
5	2372.5	2447.7	2524.0	2601.3	2679.8	2759.5	2840.5	2922.8	3006.5	3091.7	3178.5	3266.9	5
6	2373.7	2449.0	2525.2	2602.6	2681.1	2760.9	2841.9	2924.2	3007.9	3093.2	3179.9	3268.4	6
7	2375.0	2450.2	2526.5	2603.9	2682.5	2762.2	2843.2	2925.6	3009.3	3094.6	3181.4	3269.9	7
8	2376.2	2451.5	2527.8	2605.2	2683.8	2763.5	2844.6	2927.0	3010.8	3096.0	3182.9	3271.3	8
9	2377.5	2452.7	2529.1	2606.5	2685.1	2764.9	2845.9	2928.4	3012.2	3097.5	3184.3	3272.8	9
60	2378.7	2454.0	2530.4	2607.8	2686.4	2766.2	2847.3	2929.7	3013.6	3098.9	3185.8	3274.3	60
LAT.	36°	37°	38°	39°	40°	41°	42°	43°	44°	45°	46°	47°	LAT.

TABELA 2
LATITUDES CRESCIDAS

LAT.	48°	49°	50°	51°	52°	53°	54°	55°	56°	57°	58°	59°	LAT.
0	3274.3	3364.6	3456.7	3550.8	3647.0	3745.3	3845.9	3949.0	4054.7	4163.2	4274.6	4389.3	0
1	3275.8	3366.1	3458.3	3552.4	3648.6	3746.9	3847.6	3950.7	4056.5	4165.0	4276.5	4391.2	1
2	3277.3	3367.7	3459.8	3554.0	3650.2	3748.6	3849.3	3952.5	4058.3	4166.9	4278.4	4393.2	2
3	3278.8	3369.2	3461.4	3555.6	3651.8	3750.2	3851.0	3954.2	4060.1	4168.7	4280.3	4395.1	3
4	3280.3	3370.7	3462.9	3557.2	3653.4	3751.9	3852.7	3956.0	4061.9	4170.5	4282.2	4397.0	4
5	3281.8	3372.2	3464.5	3558.7	3655.1	3753.6	3854.4	3957.7	4063.6	4172.4	4284.1	4399.0	5
6	3283.3	3373.7	3466.0	3560.3	3656.7	3755.2	3856.1	3959.4	4065.4	4174.2	4286.0	4400.9	6
7	3284.8	3375.3	3467.6	3561.9	3658.3	3756.9	3857.8	3961.2	4067.2	4176.0	4287.9	4402.9	7
8	3286.3	3376.8	3469.2	3563.5	3659.9	3758.5	3859.5	3962.9	4069.0	4177.9	4289.7	4404.8	8
9	3287.8	3378.3	3470.7	3565.1	3661.5	3760.2	3861.2	3964.7	4070.8	4179.7	4291.6	4406.8	9
10	3289.2	3379.8	3472.3	3566.7	3663.2	3761.9	3862.9	3966.4	4072.6	4181.6	4293.5	4408.7	10
1	3290.7	3381.4	3473.8	3568.3	3664.8	3763.5	3864.6	3968.2	4074.4	4183.4	4295.4	4410.7	1
2	3292.2	3382.9	3475.4	3569.9	3666.4	3765.2	3866.3	3969.9	4076.2	4185.2	4297.3	4412.6	2
3	3293.7	3384.4	3476.9	3571.5	3668.1	3766.9	3868.0	3971.7	4078.0	4187.1	4299.2	4414.6	3
4	3295.2	3385.9	3478.5	3573.1	3669.7	3768.5	3869.7	3973.4	4079.8	4188.9	4301.1	4416.5	4
5	3296.7	3387.5	3480.1	3574.6	3671.3	3770.2	3871.4	3975.2	4081.6	4190.8	4303.0	4418.5	5
6	3298.2	3389.0	3481.6	3576.2	3672.9	3771.9	3873.1	3976.9	4083.4	4192.6	4304.9	4420.4	6
7	3299.7	3390.5	3483.2	3577.8	3674.6	3773.5	3874.8	3978.7	4085.1	4194.5	4306.8	4422.4	7
8	3301.2	3392.0	3484.8	3579.4	3676.2	3775.2	3876.6	3980.4	4087.0	4196.3	4308.7	4424.3	8
9	3302.7	3393.6	3486.3	3581.0	3677.8	3776.9	3878.3	3982.2	4088.7	4198.1	4310.6	4426.3	9
20	3304.2	3395.1	3487.9	3582.6	3679.5	3778.5	3880.0	3983.9	4090.5	4200.0	4312.5	4428.2	20
1	3305.7	3396.6	3489.4	3584.2	3681.1	3780.2	3881.7	3985.7	4092.3	4201.9	4314.4	4430.2	1
2	3307.2	3398.2	3491.0	3585.8	3682.7	3781.9	3883.4	3987.4	4094.1	4203.7	4316.3	4432.1	2
3	3308.7	3399.7	3492.6	3587.4	3684.4	3783.6	3885.1	3989.2	4095.9	4205.6	4318.2	4434.1	3
4	3310.2	3401.2	3494.1	3589.0	3686.0	3785.2	3886.8	3990.9	4097.8	4207.4	4320.1	4436.1	4
5	3311.7	3402.8	3495.7	3590.6	3687.6	3786.9	3888.5	3992.7	4099.5	4209.3	4322.0	4438.0	5
6	3313.2	3404.3	3497.3	3592.2	3689.3	3788.6	3890.3	3994.5	4101.4	4211.1	4323.9	4440.0	6
7	3314.7	3405.8	3498.8	3593.8	3690.9	3790.3	3892.0	3996.2	4103.2	4213.0	4325.8	4442.0	7
8	3316.2	3407.4	3500.4	3595.4	3692.6	3791.9	3893.7	3998.0	4105.0	4214.8	4327.7	4443.9	8
9	3317.7	3408.9	3501.9	3597.0	3694.2	3793.6	3895.4	3999.7	4106.8	4216.7	4329.6	4445.9	9
30	3319.2	3410.4	3503.5	3598.6	3695.8	3795.3	3897.1	4001.5	4108.6	4218.5	4331.6	4447.8	30
1	3320.7	3412.0	3505.1	3600.2	3697.5	3797.0	3898.8	4003.3	4110.4	4220.4	4333.5	4449.8	1
2	3322.3	3413.5	3506.7	3601.8	3699.1	3798.6	3900.6	4005.0	4112.2	4222.3	4335.4	4451.8	2
3	3323.8	3415.0	3508.2	3603.4	3700.7	3800.3	3902.3	4006.8	4114.0	4224.1	4337.3	4453.8	3
4	3325.3	3416.6	3509.8	3605.0	3702.4	3802.0	3904.0	4008.6	4115.8	4226.0	4339.2	4455.7	4
5	3326.8	3418.1	3511.4	3606.6	3704.0	3803.7	3905.7	4010.3	4117.6	4227.8	4341.1	4457.7	5
6	3328.3	3419.7	3512.9	3608.2	3705.7	3805.4	3907.4	4012.1	4119.4	4229.7	4343.0	4459.7	6
7	3329.8	3421.2	3514.5	3609.8	3707.3	3807.0	3909.2	4013.9	4121.3	4231.6	4344.9	4461.6	7
8	3331.3	3422.7	3516.1	3611.4	3709.0	3808.7	3910.9	4015.6	4123.1	4233.4	4346.9	4463.6	8
9	3332.8	3424.3	3517.7	3613.1	3710.6	3810.4	3912.6	4017.4	4124.9	4235.3	4348.8	4465.6	9
40	3334.3	3425.8	3519.2	3614.7	3712.2	3812.1	3914.3	4019.2	4126.7	4237.1	4350.7	4467.6	40
1	3335.8	3427.4	3520.8	3616.3	3713.9	3813.8	3916.1	4020.9	4128.5	4239.0	4352.6	4469.5	1
2	3337.3	3428.9	3522.4	3617.9	3715.5	3815.5	3917.8	4022.7	4130.3	4240.9	4354.5	4471.5	2
3	3338.8	3430.4	3523.9	3619.5	3717.2	3817.1	3919.5	4024.5	4132.2	4242.8	4356.5	4473.5	3
4	3340.4	3432.0	3525.5	3621.1	3718.8	3818.8	3921.3	4026.2	4134.0	4244.6	4358.4	4475.5	4
5	3341.9	3433.5	3527.1	3622.7	3720.5	3820.5	3923.0	4028.0	4135.8	4246.5	4360.3	4477.5	5
6	3343.4	3435.1	3528.7	3624.3	3722.1	3822.2	3924.7	4029.8	4137.6	4248.4	4362.2	4479.4	6
7	3344.9	3436.6	3530.3	3625.9	3723.8	3823.9	3926.4	4031.6	4139.4	4250.2	4364.2	4481.4	7
8	3346.4	3438.2	3531.8	3627.5	3725.4	3825.6	3928.2	4033.3	4141.3	4252.1	4366.1	4483.4	8
9	3347.9	3439.7	3533.4	3629.2	3727.1	3827.3	3929.9	4035.1	4143.1	4254.0	4368.0	4485.4	9
50	3349.4	3441.2	3535.0	3630.8	3728.7	3829.0	3931.6	4036.9	4144.9	4255.9	4369.9	4487.4	50
1	3350.9	3442.8	3536.6	3632.4	3730.4	3830.6	3933.4	4038.7	4146.7	4257.7	4371.9	4489.4	1
2	3352.5	3444.3	3538.1	3634.0	3732.0	3832.3	3935.1	4040.5	4148.6	4259.6	4373.8	4491.4	2
3	3354.0	3445.9	3539.7	3635.6	3733.7	3834.0	3936.8	4042.2	4150.4	4261.5	4375.7	4493.3	3
4	3355.5	3447.4	3541.3	3637.2	3735.3	3835.7	3938.6	4044.0	4152.2	4263.4	4377.7	4495.3	4
5	3357.0	3449.0	3542.9	3638.8	3737.0	3837.4	3940.3	4045.8	4154.0	4265.2	4379.6	4497.3	5
6	3358.5	3450.5	3544.5	3640.5	3738.6	3839.1	3942.0	4047.6	4155.9	4267.1	4381.5	4499.3	6
7	3360.0	3452.1	3546.1	3642.1	3740.3	3840.8	3943.8	4049.3	4157.7	4269.0	4383.5	4501.3	7
8	3361.6	3453.6	3547.6	3643.7	3741.9	3842.5	3945.5	4051.1	4159.5	4270.9	4385.4	4503.3	8
9	3363.1	3455.2	3549.2	3645.3	3743.6	3844.2	3947.3	4052.9	4161.4	4272.8	4387.3	4505.3	9
60	3364.6	3456.7	3550.8	3647.0	3745.3	3845.9	3949.0	4054.7	4163.2	4274.6	4389.3	4507.3	60
LAT.	48°	49°	50°	51°	52°	53°	54°	55°	56°	57°	58°	59°	LAT.

TABELA 2
LATITUDES CRESCIDAS

LAT.	60°	61°	62°	63°	64°	65°	66°	67°	68°	69°	LAT.
0	4507.3	4629.0	4754.5	4884.3	5018.6	5157.8	5302.3	5452.7	5609.3	5772.9	0
1	4509.3	4631.0	4756.6	4886.5	5020.9	5160.2	5304.8	5455.2	5612.0	5776.7	1
2	4511.3	4633.1	4758.8	4888.7	5023.1	5162.5	5307.3	5457.8	5614.7	5778.5	2
3	4513.3	4635.1	4760.9	4890.9	5025.4	5164.9	5309.7	5460.3	5617.3	5781.3	3
4	4515.3	4637.2	4763.0	4893.1	5027.7	5167.3	5312.2	5462.9	5620.0	5784.1	4
5	4517.3	4639.3	4765.2	4895.3	5030.0	5169.6	5314.6	5465.5	5622.7	5786.9	5
6	4519.3	4641.3	4767.3	4897.5	5032.3	5172.0	5317.1	5468.0	5625.4	5789.7	6
7	4521.3	4643.4	4769.4	4899.7	5034.6	5174.4	5319.6	5470.6	5628.0	5792.5	7
8	4523.3	4645.5	4771.6	4901.9	5036.9	5176.7	5322.0	5473.2	5630.7	5795.3	8
9	4525.3	4647.5	4773.7	4904.1	5039.1	5179.1	5324.5	5475.7	5633.4	5798.1	9
10	4527.3	4649.6	4775.8	4906.3	5041.4	5181.5	5327.0	5478.3	5636.1	5800.9	10
1	4529.3	4651.7	4778.0	4908.6	5043.7	5183.9	5329.4	5480.9	5638.8	5803.7	1
2	4531.3	4653.7	4780.1	4910.8	5046.0	5186.3	5331.9	5483.5	5641.5	5806.5	2
3	4533.3	4655.8	4782.3	4913.0	5048.3	5188.6	5334.4	5486.1	5644.1	5809.3	3
4	4535.4	4657.9	4784.4	4915.2	5050.6	5191.0	5336.9	5488.6	5646.8	5812.2	4
5	4537.4	4660.0	4786.5	4917.4	5052.9	5193.4	5339.3	5491.2	5649.5	5815.0	5
6	4539.4	4662.0	4788.7	4919.6	5055.2	5195.8	5341.8	5493.8	5652.2	5817.8	6
7	4541.4	4664.1	4790.8	4921.9	5057.5	5198.2	5344.3	5496.4	5654.9	5820.6	7
8	4543.4	4666.2	4793.0	4924.1	5059.8	5200.6	5346.8	5499.0	5657.6	5823.4	8
9	4545.4	4668.3	4795.1	4926.3	5062.1	5203.0	5349.3	5501.6	5660.3	5826.3	9
20	4547.4	4670.4	4797.3	4928.5	5064.4	5205.4	5351.8	5504.1	5663.0	5829.1	20
1	4549.4	4672.4	4799.4	4930.8	5066.7	5207.8	5354.3	5506.7	5665.8	5831.9	1
2	4551.5	4674.5	4801.6	4933.0	5069.0	5210.1	5356.8	5509.3	5668.5	5834.8	2
3	4553.5	4676.6	4803.7	4935.2	5071.3	5212.6	5359.2	5511.9	5671.2	5837.6	3
4	4555.5	4678.7	4805.9	4937.4	5073.7	5214.9	5361.7	5514.5	5673.9	5840.4	4
5	4557.5	4680.8	4808.1	4939.7	5076.0	5217.3	5364.2	5517.1	5676.6	5843.3	5
6	4559.6	4682.9	4810.2	4941.9	5078.3	5219.7	5366.7	5519.7	5679.3	5846.1	6
7	4561.6	4685.0	4812.4	4944.1	5080.6	5222.2	5369.2	5522.3	5682.0	5849.0	7
8	4563.6	4687.0	4814.5	4946.4	5082.9	5224.6	5371.7	5525.0	5684.8	5851.8	8
9	4565.6	4689.1	4816.7	4948.6	5085.2	5227.0	5374.2	5527.6	5687.5	5854.7	9
30	4567.7	4691.2	4818.9	4950.8	5087.6	5229.4	5376.7	5530.2	5690.2	5857.5	30
1	4569.7	4693.3	4821.0	4953.1	5089.9	5231.8	5379.3	5532.8	5692.9	5860.4	1
2	4571.7	4695.4	4823.2	4955.3	5092.2	5234.2	5381.8	5535.4	5695.7	5863.2	2
3	4573.7	4697.5	4825.3	4957.6	5094.5	5236.6	5384.3	5538.0	5698.4	5866.1	3
4	4575.8	4699.6	4827.5	4959.8	5096.8	5239.0	5386.8	5540.6	5701.1	5869.0	4
5	4577.8	4701.7	4829.7	4962.1	5099.2	5241.4	5389.3	5543.2	5703.9	5871.8	5
6	4579.8	4703.8	4831.9	4964.3	5101.5	5243.9	5391.8	5545.9	5706.6	5874.7	6
7	4581.9	4705.9	4834.0	4966.5	5103.8	5246.3	5394.3	5548.5	5709.3	5877.5	7
8	4583.9	4708.0	4836.2	4968.8	5106.2	5248.7	5396.8	5551.1	5712.1	5880.4	8
9	4585.9	4710.1	4838.4	4971.0	5108.5	5251.1	5399.4	5553.7	5714.8	5883.3	9
40	4588.0	4712.2	4840.5	4973.3	5110.8	5253.5	5401.9	5556.4	5717.6	5886.2	40
1	4590.0	4714.3	4842.7	4975.5	5113.2	5256.0	5404.4	5559.0	5720.3	5889.0	1
2	4592.1	4716.4	4844.9	4977.8	5115.5	5258.4	5406.9	5561.6	5723.1	5891.9	2
3	4594.1	4718.5	4847.1	4980.1	5117.8	5260.8	5409.5	5564.3	5725.8	5894.8	3
4	4596.1	4720.6	4849.3	4982.3	5120.2	5263.2	5412.0	5566.9	5728.6	5897.7	4
5	4598.2	4722.7	4851.4	4984.6	5122.5	5265.7	5414.5	5569.5	5731.3	5900.6	5
6	4600.2	4724.8	4853.6	4986.8	5124.9	5268.1	5417.0	5572.2	5734.1	5903.5	6
7	4602.3	4727.0	4855.8	4989.1	5127.2	5270.5	5419.6	5574.8	5736.8	5906.3	7
8	4604.3	4729.1	4858.0	4991.3	5129.5	5273.0	5422.1	5577.5	5739.6	5909.2	8
9	4606.4	4731.2	4860.2	4993.6	5131.9	5275.4	5424.7	5580.1	5742.4	5912.1	9
50	4608.4	4733.3	4862.4	4995.9	5134.2	5277.9	5427.2	5582.8	5745.1	5915.0	50
1	4610.5	4735.4	4864.5	4998.1	5136.6	5280.3	5429.7	5585.4	5747.9	5917.9	1
2	4612.5	4737.5	4866.7	5000.4	5138.9	5282.7	5432.3	5588.0	5750.7	5920.8	2
3	4614.6	4739.7	4868.9	5002.7	5141.3	5285.2	5434.8	5590.7	5753.4	5923.7	3
4	4616.6	4741.8	4871.1	5004.9	5143.6	5287.6	5437.3	5593.4	5756.2	5926.6	4
5	4618.7	4743.9	4873.3	5007.2	5146.0	5290.1	5439.9	5596.0	5759.0	5929.5	5
6	4620.7	4746.0	4875.5	5009.5	5148.4	5292.5	5442.4	5598.7	5761.8	5932.5	6
7	4622.8	4748.1	4877.7	5011.8	5150.7	5295.0	5445.0	5601.3	5764.6	5935.4	7
8	4624.8	4750.3	4879.9	5014.0	5153.1	5297.4	5447.5	5604.0	5767.3	5938.3	8
9	4626.9	4752.4	4882.1	5016.3	5155.4	5299.9	5450.1	5606.6	5770.1	5941.2	9
60	4629.0	4754.5	4884.3	5018.6	5157.8	5302.3	5452.7	5609.3	5772.9	5944.1	60
LAT.	60°	61°	62°	63°	64°	65°	66°	67°	68°	69°	LAT.