**Fig.1. right**

**Haribo Balla Apple Jelly 323K**

**Zone 1**

**TAU(us) Magnitudes**

78885.968 4722.657

65022.302 4672.436

53595.080 4515.145

44176.113 4386.260

36412.465 4174.734

30013.225 3897.842

24738.607 3714.848

20390.967 3477.920

16807.395 3202.975

13853.611 2994.906

11418.934 2733.133

9412.135 2528.498

7758.017 2303.148

6394.599 2163.818

5270.792 2044.909

4344.487 1840.030

3580.973 1703.280

2951.642 1722.625

2432.911 1520.947

2005.344 1483.535

1652.918 1416.051

1362.429 1371.088

1122.992 1324.538

925.634 1298.226

762.960 1228.587

628.875 1223.721

518.354 1245.364

427.257 1145.233

352.170 1117.512

290.278 1186.053

239.264 1152.063

197.215 1141.109

**Zone 2**

**TAU(us) Magnitudes**

70949.043 4192.162

58480.237 4042.528

48202.738 4013.972

39731.438 3882.817

32748.911 3684.616

26993.515 3575.387

22249.591 3371.398

18339.378 3098.322

15116.359 2900.564

12459.763 2725.820

10270.045 2556.343

8465.155 2291.145

6977.463 2155.054

5751.222 1954.594

4740.484 1816.127

3907.376 1659.386

3220.682 1592.787

2654.669 1475.043

2188.129 1383.133

1803.581 1294.623

1486.614 1274.690

1225.352 1158.355

1010.005 1205.949

832.503 1157.157

686.196 1117.965

565.602 1064.604

466.201 1074.828

384.270 1077.285

316.737 1099.092

261.073 979.565

215.191 1032.932

177.373 1024.986

**Zone 3**

**TAU(us) Magnitudes**

64238.501 3652.870

52949.027 3550.885

43643.600 3510.781

35973.537 3356.686

29651.436 3282.978

24440.400 3094.705

20145.168 2948.641

16604.793 2758.992

13686.615 2571.241

11281.286 2325.493

9298.678 2218.801

7664.499 2066.173

6317.516 1866.227

5207.256 1794.379

4292.117 1598.182

3537.807 1503.505

2916.062 1394.978

2403.584 1234.599

1981.171 1286.584

1632.993 1174.971

1346.006 1142.785

1109.455 1119.725

914.476 1100.364

753.763 1037.521

621.294 1006.449

512.106 976.579

422.107 1023.674

347.925 976.517

286.779 978.968

236.380 895.952

194.838 939.676

160.596 884.968

**Zone 4**

**TAU(us) Magnitudes**

55965.638 3114.192

46130.062 3078.011

38023.021 3079.558

31340.737 2956.844

25832.818 2867.069

21292.878 2755.582

17550.801 2591.303

14466.369 2468.975

11924.004 2302.106

9828.442 2176.082

8101.161 1976.353

6677.438 1834.966

5503.924 1711.791

4536.647 1611.946

3739.363 1462.615

3082.195 1456.081

2540.521 1300.578

2094.042 1254.458

1726.028 1169.228

1422.691 1209.885

1172.663 1118.660

966.575 1074.310

796.706 1014.698

656.691 1032.520

541.282 961.434

446.155 944.068

367.747 1030.988

303.118 929.788

249.847 970.867

205.938 943.553

169.746 970.310

139.914 916.918

**Zone 5**

**TAU(us) Magnitudes**

49428.866 2775.621

40742.083 2681.746

33581.942 2644.598

27680.147 2573.715

22815.551 2424.950

18805.875 2396.424

15500.872 2318.134

12776.700 2193.921

10531.283 2096.392

8680.483 1864.587

7154.948 1790.060

5897.515 1689.481

4861.067 1552.583

4006.768 1480.865

3302.606 1375.491

2722.196 1353.861

2243.789 1279.843

1849.458 1208.109

1524.429 1141.916

1256.521 1143.347

1035.696 1077.280

853.679 1055.782

703.651 1040.765

579.989 967.331

478.060 984.908

394.044 960.366

324.794 948.266

267.714 938.610

220.665 913.417

181.884 913.973

149.919 992.685

123.572 1001.833

**Zone 6**

**TAU(us) Magnitudes**

43042.762 2428.247

35478.293 2338.272

29243.227 2329.446

24103.931 2328.236

19867.831 2231.961

16376.196 2119.892

13498.193 2080.854

11125.978 1942.192

9170.664 1803.185

7558.983 1792.853

6230.544 1645.438

5135.568 1583.598

4233.028 1407.166

3489.102 1363.144

2875.916 1365.837

2370.494 1301.949

1953.896 1155.591

1610.512 1192.659

1327.476 1083.924

1094.181 1108.328

901.886 1092.690

743.386 1027.895

612.741 1047.720

505.056 1034.175

416.296 1009.474

343.135 958.841

282.831 942.382

233.126 934.229

192.155 942.642

158.385 955.523

130.550 915.373

107.607 957.594

**Zone 7**

**TAU(us) Magnitudes**

94.031 3905.842

114.080 3897.051

138.403 3911.608

167.913 3868.537

203.714 3848.228

247.149 3889.042

299.844 3778.740

363.775 3849.349

441.337 3778.728

535.436 3832.667

649.599 3824.006

788.102 3762.010

956.137 3709.617

1159.999 3711.766

1407.327 3644.229

1707.388 3637.977

2071.427 3574.846

2513.085 3468.649

3048.910 3421.206

3698.980 3291.781

4487.654 3239.528

5444.485 3149.196

6605.326 3042.182

8013.674 2889.256

9722.301 2780.394

11795.232 2664.019

14310.141 2627.356

17361.263 2504.126

21062.928 2394.241

25553.839 2369.889

31002.276 2375.290

37612.396 2303.753

**Zone 8**

**TAU(us) Magnitudes**

79.799 3871.731

96.814 3867.082

117.456 3874.147

142.499 3843.413

172.882 3867.917

209.743 3844.029

254.463 3822.727

308.718 3727.232

374.541 3739.616

454.398 3721.918

551.282 3766.031

668.824 3731.743

811.426 3650.449

984.434 3663.103

1194.329 3573.043

1448.976 3513.455

1757.918 3467.088

2132.731 3386.487

2587.459 3245.714

3139.142 3227.121

3808.451 3051.112

4620.466 2970.145

5605.614 2914.379

6800.810 2787.777

8250.838 2572.404

10010.032 2523.617

12144.311 2431.160

14733.649 2305.571

17875.069 2219.170

21686.285 2180.550

26310.105 2136.562

31919.788 2043.004

**Zone 9**

**TAU(us) Magnitudes**

72.621 3803.811

88.105 3837.515

106.890 3838.832

129.681 3745.624

157.331 3765.722

190.876 3728.062

231.573 3762.025

280.948 3758.518

340.850 3728.303

413.524 3667.986

501.693 3675.627

608.661 3596.070

738.436 3645.020

895.881 3537.595

1086.895 3587.060

1318.636 3526.650

1599.788 3398.790

1940.886 3297.051

2354.710 3250.975

2856.767 3193.269

3465.869 3040.928

4204.841 2941.558

5101.372 2757.523

6189.056 2662.652

7508.650 2560.017

9109.599 2435.126

11051.894 2278.220

13408.312 2247.228

16267.152 2107.053

19735.537 2076.672

23943.431 1989.844

29048.506 1913.575

**Zone 10**

**TAU(us) Magnitudes**

63.207 3755.250

76.683 3681.944

93.033 3773.500

112.869 3777.674

136.935 3758.063

166.131 3758.563

201.553 3755.464

244.526 3737.417

296.663 3643.027

359.916 3705.170

436.655 3618.046

529.755 3590.977

642.707 3531.112

779.741 3476.653

945.992 3489.021

1147.691 3403.286

1392.395 3310.711

1689.273 3253.009

2049.450 3169.035

2486.422 3066.374

3016.561 2960.195

3659.735 2820.956

4440.041 2715.219

5386.720 2555.569

6535.245 2424.426

7928.650 2266.071

9619.150 2125.395

11670.087 2038.924

14158.314 1955.996

17177.065 1879.696

20839.455 1890.869

25282.719 1794.575

**Zone 11**

**TAU(us) Magnitudes**

56.560 3702.682

68.620 3743.706

83.251 3680.887

101.001 3691.922

122.536 3652.168

148.662 3676.191

180.359 3685.970

218.814 3668.989

265.468 3642.117

322.070 3618.089

390.740 3585.980

474.051 3508.813

575.125 3502.838

697.750 3510.907

846.520 3363.156

1027.009 3348.172

1245.982 3243.610

1511.643 3184.417

1833.947 3088.730

2224.970 3008.888

2699.365 2858.715

3274.907 2750.839

3973.163 2576.631

4820.297 2513.881

5848.052 2329.590

7094.939 2215.923

8607.679 2126.842

10442.957 2003.866

12669.541 1863.729

15370.865 1768.601

18648.149 1727.792

22624.196 1684.371

**Zone 12**

**TAU(us) Magnitudes**

50.355 3706.692

61.092 3700.077

74.117 3698.381

89.920 3697.757

109.092 3598.080

132.352 3611.552

160.572 3623.017

194.808 3582.146

236.343 3636.793

286.735 3534.207

347.871 3483.692

422.042 3557.390

512.027 3468.056

621.199 3427.511

753.647 3253.587

914.335 3234.547

1109.284 3176.040

1345.799 3136.666

1632.743 3089.917

1980.866 2874.885

2403.215 2785.002

2915.614 2679.634

3537.263 2540.303

4291.457 2413.650

5206.456 2277.279

6316.546 2114.799

7663.322 2050.419

9297.249 1928.027

11279.553 1778.603

13684.512 1624.651

16602.242 1575.113

20142.073 1628.219

**Zone 13**

**TAU(us) Magnitudes**

47.177 3600.082

57.236 3607.094

69.439 3611.671

84.245 3560.605

102.207 3636.726

123.999 3597.277

150.437 3561.295

182.513 3560.871

221.427 3509.083

268.638 3522.726

325.916 3420.040

395.406 3455.958

479.712 3434.627

581.993 3374.809

706.082 3336.778

856.629 3196.696

1039.274 3196.958

1260.862 3116.733

1529.695 2963.614

1855.848 2858.106

2251.541 2788.629

2731.601 2625.623

3314.016 2555.562

4020.611 2321.602

4877.861 2209.377

5917.890 2019.665

7179.667 1933.724

8710.473 1863.546

10567.667 1745.695

12820.842 1596.939

15554.426 1526.765

18870.847 1492.926

**Zone 14**

**TAU(us) Magnitudes**

41.088 3544.075

49.849 3611.696

60.477 3589.634

73.372 3543.996

89.016 3602.020

107.995 3516.374

131.021 3473.899

158.957 3481.941

192.849 3524.259

233.967 3400.699

283.852 3464.626

344.373 3409.845

417.798 3322.629

506.879 3296.396

614.952 3203.201

746.069 3146.105

905.141 3088.480

1098.130 3004.874

1332.267 2851.811

1616.325 2792.929

1960.948 2692.173

2379.049 2548.942

2886.296 2411.687

3501.695 2267.464

4248.305 2123.286

5154.103 2027.950

6253.031 1859.959

7586.264 1686.221

9203.762 1648.427

11166.133 1561.984

13546.909 1483.449

16435.300 1430.913

**Zone 15**

**TAU(us) Magnitudes**

38.068 3562.213

46.185 3582.462

56.032 3521.374

67.979 3538.751

82.473 3505.392

100.057 3482.924

121.391 3440.883

147.273 3460.034

178.674 3485.421

216.770 3442.574

262.988 3344.674

319.061 3350.043

387.089 3269.509

469.621 3239.707

569.751 3194.539

691.230 3149.234

838.610 3087.406

1017.414 2920.242

1234.341 2890.653

1497.519 2785.322

1816.811 2683.182

2204.181 2534.996

2674.143 2380.655

3244.308 2266.461

3936.040 2158.813

4775.259 1903.276

5793.411 1849.731

7028.647 1711.051

8527.254 1615.440

10345.384 1468.098

12551.164 1416.357

15227.249 1387.688

**Zone 16**

**TAU(us) Magnitudes**

33.328 3505.643

40.434 3442.125

49.055 3508.470

59.514 3422.807

72.203 3479.783

87.598 3478.184

106.275 3373.859

128.935 3411.869

156.426 3358.508

189.778 3449.034

230.241 3347.234

279.331 3417.996

338.889 3281.290

411.145 3243.520

498.806 3132.833

605.159 3086.676

734.187 3010.396

890.726 2888.259

1080.642 2852.983

1311.050 2700.317

1590.584 2576.581

1929.719 2456.288

2341.162 2349.273

2840.330 2137.089

3445.929 2010.182

4180.649 1903.060

5072.022 1711.251

6153.448 1610.264

7465.450 1542.988

9057.188 1477.069

10988.307 1393.599

13331.169 1298.172

**Zone 17**

**TAU(us) Magnitudes**

29.444 3439.258

35.722 3452.001

43.338 3418.208

52.579 3497.107

63.789 3391.763

77.390 3444.853

93.890 3361.852

113.909 3393.025

138.196 3329.432

167.661 3347.559

203.409 3310.649

246.779 3256.635

299.395 3226.983

363.231 3173.828

440.677 3134.250

534.635 3034.306

648.627 3018.267

786.923 2921.166

954.706 2756.090

1158.263 2718.116

1405.221 2551.652

1704.834 2416.771

2068.328 2279.040

2509.324 2151.560

3044.348 2025.722

3693.445 1874.461

4480.939 1783.148

5436.339 1612.809

6595.442 1481.394

8001.683 1453.270

9707.754 1355.814

11777.583 1347.929

**Zone 18**

**TAU(us) Magnitudes**

26.918 3432.468

32.657 3418.139

39.620 3364.976

48.068 3468.896

58.316 3430.063

70.750 3422.529

85.835 3421.118

104.136 3365.089

126.340 3294.775

153.277 3330.921

185.958 3254.080

225.607 3301.451

273.709 3212.533

332.068 3137.200

402.869 3057.277

488.766 2969.612

592.978 3013.297

719.410 2905.087

872.798 2781.620

1058.891 2649.740

1284.661 2563.582

1558.569 2402.088

1890.877 2263.754

2294.039 2153.841

2783.160 1984.782

3376.569 1830.969

4096.501 1738.166

4969.932 1595.737

6029.591 1498.409

7315.185 1418.501

8874.884 1296.973

10767.134 1240.960

**Zone 19**

**TAU(us) Magnitudes**

24.786 3368.991

30.071 3412.289

36.482 3419.133

44.261 3398.361

53.698 3381.009

65.147 3341.186

79.037 3328.463

95.889 3372.483

116.334 3302.124

141.138 3282.569

171.231 3272.699

207.740 3209.305

252.033 3166.951

305.769 3065.962

370.964 3092.190

450.058 2982.415

546.017 2990.585

662.436 2828.629

803.676 2747.829

975.031 2603.357

1182.922 2532.406

1435.137 2444.043

1741.128 2271.763

2112.361 2062.747

2562.746 1973.864

3109.160 1856.108

3772.076 1753.996

4576.336 1569.311

5552.075 1436.549

6735.855 1428.425

8172.034 1282.249

9914.426 1241.724

**Zone 20**

**TAU(us) Magnitudes**

22.938 3395.468

27.829 3360.193

33.763 3335.245

40.962 3363.828

49.695 3330.077

60.291 3276.327

73.146 3387.269

88.741 3353.146

107.662 3328.946

130.617 3295.796

158.467 3209.634

192.254 3206.846

233.245 3136.783

282.977 3127.439

343.311 3094.875

416.510 2974.180

505.316 2897.816

613.056 2855.163

743.768 2700.055

902.350 2591.329

1094.744 2526.049

1328.159 2386.837

1611.341 2207.529

1954.901 2143.923

2371.713 1977.042

2877.396 1771.765

3490.897 1663.768

4235.205 1573.836

5138.210 1444.989

6233.749 1353.963

7562.872 1250.513

9175.382 1233.111

**Zone 21**

**TAU(us) Magnitudes**

20.369 3354.445

24.712 3347.241

29.981 3356.734

36.373 3287.636

44.129 3264.308

53.537 3303.789

64.952 3342.980

78.801 3297.079

95.603 3225.142

115.987 3279.886

140.716 3219.937

170.719 3177.457

207.119 3091.533

251.280 3042.925

304.856 3072.348

369.856 2900.273

448.714 2902.431

544.386 2809.758

660.457 2680.336

801.275 2532.902

972.118 2473.430

1179.388 2376.600

1430.850 2151.612

1735.927 2046.905

2106.051 1972.937

2555.091 1828.441

3099.872 1616.617

3760.808 1528.562

4562.665 1448.518

5535.489 1331.555

6715.732 1251.599

8147.621 1257.885

**Zone 22**

**TAU(us) Magnitudes**

18.262 3393.791

22.156 3325.661

26.879 3329.029

32.611 3285.184

39.564 3314.211

47.999 3262.547

58.233 3266.397

70.649 3220.545

85.713 3276.108

103.988 3214.813

126.159 3196.388

153.058 3135.090

185.693 3177.854

225.285 3085.292

273.319 3033.549

331.594 2911.416

402.295 2911.597

488.070 2806.219

592.133 2641.391

718.384 2574.546

871.553 2462.528

1057.381 2299.525

1282.829 2192.112

1556.346 2082.144

1888.181 1958.656

2290.768 1783.591

2779.192 1650.484

3371.754 1565.036

4090.659 1397.084

4962.845 1321.282

6020.993 1276.669

7304.754 1252.006

**Zone 23**

**TAU(us) Magnitudes**

16.486 3287.653

20.001 3350.880

24.265 3319.807

29.439 3249.696

35.716 3280.320

43.331 3292.844

52.569 3269.127

63.778 3237.658

77.376 3187.487

93.874 3201.891

113.889 3136.945

138.172 3185.193

167.632 3105.199

203.373 3063.378

246.735 2987.127

299.343 2896.148

363.167 2848.422

440.599 2735.212

534.541 2682.382

648.513 2548.074

786.785 2471.826

954.539 2377.974

1158.060 2187.595

1404.974 2017.895

1704.534 1881.821

2067.965 1755.359

2508.884 1622.809

3043.813 1549.153

3692.797 1434.801

4480.153 1314.540

5435.385 1242.057

6594.285 1222.356

**Zone 24**

**TAU(us) Magnitudes**

15.075 3297.401

18.289 3332.463

22.189 3328.758

26.920 3267.386

32.660 3272.204

39.623 3261.471

48.071 3231.997

58.321 3241.582

70.756 3202.270

85.842 3187.152

104.144 3155.452

126.349 3165.150

153.289 3123.038

185.972 3075.538

225.624 2988.622

273.731 2927.331

332.094 2866.054

402.901 2757.981

488.805 2667.082

593.025 2539.252

719.466 2449.018

872.866 2347.066

1058.974 2196.581

1284.762 2043.869

1558.691 1943.825

1891.025 1763.311

2294.219 1659.197

2783.378 1503.224

3376.833 1399.005

4096.822 1344.378

4970.321 1279.547

6030.064 1206.693

**Zone 25**

**TAU(us) Magnitudes**

13.416 3288.297

16.276 3267.861

19.747 3300.301

23.957 3257.856

29.065 3293.778

35.262 3258.298

42.780 3237.445

51.901 3264.343

62.967 3230.792

76.393 3187.242

92.681 3123.460

112.442 3081.731

136.416 3117.883

165.502 3042.819

200.789 2976.676

243.601 2891.317

295.540 2834.924

358.553 2721.622

435.001 2633.211

527.750 2562.042

640.273 2408.856

776.788 2226.420

942.411 2209.919

1143.346 2088.056

1387.123 1922.223

1682.877 1825.165

2041.690 1643.575

2477.007 1550.855

3005.140 1439.951

3645.878 1348.578

4423.230 1299.589

5366.325 1192.378

**Zone 26**

**TAU(us) Magnitudes**

12.269 3314.059

14.885 3286.479

18.058 3287.621

21.908 3259.006

26.580 3239.913

32.247 3247.607

39.122 3257.633

47.464 3175.956

57.584 3224.539

69.861 3182.003

84.757 3141.469

102.828 3103.209

124.753 3093.035

151.352 3026.696

183.622 2984.248

222.773 2929.955

270.271 2837.101

327.896 2783.907

397.808 2669.282

482.627 2552.533

585.529 2415.114

710.373 2306.082

861.834 2219.512

1045.589 2023.340

1268.523 1877.339

1538.990 1766.699

1867.124 1661.277

2265.222 1529.588

2748.198 1443.000

3334.153 1316.548

4045.041 1256.731

4907.501 1206.532

**Zone 27**

**TAU(us) Magnitudes**

11.067 3244.961

13.427 3315.724

16.290 3291.666

19.763 3258.572

23.977 3289.977

29.089 3218.813

35.292 3235.953

42.816 3250.712

51.945 3198.712

63.021 3180.444

76.458 3124.472

92.759 3095.694

112.537 3090.679

136.531 3000.674

165.642 2979.917

200.959 2937.326

243.806 2791.712

295.789 2778.132

358.855 2700.985

435.368 2559.493

528.195 2402.040

640.814 2267.587

777.444 2179.114

943.206 2062.196

1144.311 1951.380

1388.294 1802.012

1684.298 1686.093

2043.414 1513.269

2479.098 1476.254

3007.676 1368.108

3648.955 1244.202

4426.963 1249.726

**Zone 28**

**TAU(us) Magnitudes**

10.550 3249.711

12.799 3275.247

15.528 3285.657

18.839 3250.619

22.855 3198.721

27.728 3246.546

33.640 3257.657

40.813 3163.467

49.515 3224.307

60.072 3146.122

72.880 3142.447

88.419 3140.584

107.271 3094.723

130.143 3009.378

157.892 2935.220

191.556 2938.121

232.399 2872.408

281.950 2735.815

342.065 2649.156

414.998 2523.562

503.482 2473.438

610.831 2322.835

741.069 2220.522

899.075 2078.190

1090.770 1973.959

1323.338 1858.138

1605.492 1693.752

1947.806 1493.420

2363.105 1480.213

2866.952 1301.483

3478.226 1289.951

4219.833 1265.062

**Zone 29**

**TAU(us) Magnitudes**

10.036 3263.667

12.176 3221.589

14.772 3256.957

17.921 3247.740

21.743 3174.842

26.378 3199.129

32.003 3289.612

38.826 3219.435

47.104 3166.710

57.148 3223.981

69.332 3124.937

84.115 3129.987

102.049 3092.170

123.808 3002.677

150.205 2991.318

182.231 2881.791

221.086 2780.932

268.224 2749.461

325.413 2653.461

394.796 2575.373

478.972 2443.409

581.095 2344.958

704.993 2226.639

855.307 2064.049

1037.671 1983.114

1258.917 1812.942

1527.336 1667.520

1852.985 1553.311

2248.068 1464.311

2727.387 1347.315

3308.904 1311.519

4014.409 1231.361

**Zone 30**

**TAU(us) Magnitudes**

9.588 3216.253

11.633 3262.316

14.113 3219.378

17.122 3248.559

20.772 3237.384

25.201 3198.465

30.575 3200.988

37.094 3221.156

45.002 3194.559

54.598 3132.542

66.239 3144.135

80.362 3039.604

97.496 3076.142

118.283 2997.906

143.503 2951.413

174.100 2870.626

211.220 2808.410

256.255 2699.584

310.892 2677.550

377.179 2524.206

457.599 2438.202

555.165 2273.148

673.534 2214.384

817.141 2078.541

991.367 1891.503

1202.741 1779.678

1459.182 1714.506

1770.300 1511.208

2147.753 1434.665

2605.684 1357.004

3161.252 1257.149

3835.275 1169.273

**Zone 31**

**TAU(us) Magnitudes**

8.677 3284.041

10.528 3276.779

12.772 3212.055

15.495 3224.520

18.799 3218.320

22.807 3214.373

27.670 3163.735

33.570 3187.838

40.728 3162.296

49.411 3138.607

59.947 3107.589

72.728 3169.072

88.235 3044.821

107.048 2999.106

129.872 2886.599

157.562 2881.288

191.156 2797.703

231.914 2759.182

281.361 2673.920

341.351 2516.900

414.132 2383.751

502.431 2331.503

609.556 2136.497

739.522 2002.895

897.198 1908.771

1088.493 1749.301

1320.575 1624.482

1602.140 1492.056

1943.739 1472.418

2358.172 1347.668

2860.967 1280.141

3470.965 1170.763

**Zone 32**

**TAU(us) Magnitudes**

8.584 3335.474

10.414 3193.688

12.634 3243.825

15.328 3229.829

18.596 3203.727

22.561 3234.432

27.371 3198.898

33.207 3161.781

40.287 3155.444

48.877 3187.198

59.298 3158.578

71.941 3110.730

87.280 3054.397

105.890 3000.368

128.467 2991.607

155.858 2975.582

189.089 2812.149

229.405 2752.172

278.318 2559.066

337.659 2543.321

409.652 2455.697

496.996 2327.204

602.963 2224.486

731.523 2088.965

887.494 1928.608

1076.720 1810.753

1306.291 1697.547

1584.811 1547.252

1922.715 1457.107

2332.665 1330.689

2830.021 1272.577

3433.422 1153.923

**Zone 33**

**TAU(us) Magnitudes**

7.883 3248.669

9.563 3253.712

11.602 3208.579

14.076 3228.404

17.077 3244.837

20.718 3217.496

25.136 3135.584

30.495 3217.342

36.997 3132.632

44.885 3092.064

54.456 3187.629

66.066 3111.746

80.153 3136.402

97.242 3044.423

117.976 2945.354

143.130 2851.433

173.647 2810.087

210.671 2708.444

255.589 2666.102

310.084 2487.876

376.199 2389.908

456.410 2232.083

553.722 2181.808

671.784 2050.821

815.018 1870.531

988.791 1824.000

1199.615 1634.274

1455.389 1456.508

1765.699 1378.351

2142.171 1360.210

2598.911 1266.063

3153.036 1163.929

**Zone 34**

**TAU(us) Magnitudes**

7.743 3265.946

9.394 3202.243

11.397 3195.046

13.827 3200.422

16.775 3217.761

20.352 3226.948

24.691 3194.947

29.956 3130.941

36.343 3194.385

44.091 3178.494

53.492 3088.271

64.897 3073.091

78.734 3044.718

95.522 3013.673

115.888 2988.015

140.597 2913.109

170.575 2846.415

206.944 2766.895

251.067 2678.507

304.598 2543.101

369.542 2415.369

448.334 2363.974

543.925 2172.632

659.898 2127.125

800.597 1943.732

971.296 1791.853

1178.389 1650.032

1429.639 1572.534

1734.458 1439.184

2104.268 1343.518

2552.928 1276.997

3097.248 1246.151

**Zone 35**

**TAU(us) Magnitudes**

7.016 3238.692

8.511 3248.242

10.326 3247.956

12.528 3201.244

15.199 3256.647

18.440 3234.716

22.371 3205.861

27.141 3279.978

32.928 3173.495

39.949 3141.479

48.467 3045.081

58.800 3092.917

71.337 3082.422

86.548 3062.738

105.001 2893.639

127.388 2896.048

154.549 2877.329

187.501 2800.864

227.479 2607.829

275.981 2454.075

334.824 2422.433

406.213 2298.954

492.824 2187.711

597.901 1995.918

725.382 1924.361

880.043 1782.995

1067.681 1623.631

1295.325 1510.328

1571.507 1416.525

1906.574 1349.522

2313.082 1259.406

2806.264 1215.101

**Zone 36**

**TAU(us) Magnitudes**

6.856 3278.852

8.317 3258.608

10.091 3208.428

12.242 3166.819

14.852 3240.398

18.019 3217.745

21.861 3135.798

26.522 3212.353

32.177 3165.589

39.037 3192.777

47.361 3184.317

57.459 3134.437

69.710 3104.653

84.573 3025.945

102.605 2973.104

124.482 2963.709

151.023 2910.152

183.223 2792.966

222.289 2755.849

269.684 2546.273

327.184 2435.193

396.944 2346.258

481.579 2266.248

584.258 2148.065

708.830 1975.343

859.962 1740.938

1043.318 1682.147

1265.768 1550.427

1535.648 1490.697

1863.069 1404.625

2260.302 1303.405

2742.230 1288.562

**Zone 37**

**TAU(us) Magnitudes**

6.737 3241.845

8.174 3224.247

9.916 3226.023

12.031 3263.874

14.596 3196.148

17.708 3206.583

21.483 3163.832

26.064 3129.614

31.621 3170.297

38.363 3151.380

46.542 3102.490

56.466 3128.978

68.505 3008.566

83.112 3051.086

100.832 3046.745

122.331 2954.382

148.414 2894.956

180.057 2748.237

218.448 2636.781

265.024 2562.211

321.531 2473.883

390.086 2331.481

473.258 2245.034

574.163 2007.856

696.583 1974.587

845.104 1864.982

1025.292 1718.385

1243.899 1498.241

1509.116 1450.487

1830.881 1374.083

2221.250 1303.090

2694.852 1260.700

**Zone 38**

**TAU(us) Magnitudes**

6.292 3291.077

7.634 3265.534

9.262 3211.224

11.236 3230.362

13.632 3214.898

16.539 3164.869

20.065 3203.564

24.343 3180.765

29.534 3206.891

35.831 3166.089

43.470 3118.551

52.739 3129.949

63.983 3100.623

77.626 3010.456

94.176 2989.800

114.256 2963.276

138.617 2842.842

168.172 2786.382

204.029 2631.102

247.531 2583.568

300.308 2403.522

364.338 2339.011

442.020 2214.975

536.264 2027.619

650.603 1931.926

789.321 1820.321

957.615 1615.837

1161.792 1560.734

1409.503 1459.063

1710.029 1386.708

2074.631 1320.280

2516.971 1214.635

**Zone 39**

**TAU(us) Magnitudes**

6.531 3247.508

7.924 3212.941

9.613 3178.228

11.663 3206.186

14.150 3241.048

17.167 3204.725

20.827 3164.191

25.267 3159.542

30.655 3145.187

37.191 3188.794

45.120 3116.248

54.740 3093.201

66.412 3092.975

80.572 3042.424

97.751 2988.363

118.593 2917.892

143.878 2885.583

174.555 2790.501

211.773 2712.352

256.926 2583.173

311.706 2492.972

378.166 2377.412

458.796 2191.706

556.618 2099.579

675.296 1987.907

819.279 1838.381

993.961 1700.399

1205.887 1585.063

1462.999 1470.645

1774.931 1364.794

2153.371 1292.806

2612.500 1242.094

**Zone 40**

**TAU(us) Magnitudes**

6.433 3248.008

7.805 3190.790

9.469 3143.613

11.488 3170.695

13.937 3254.783

16.909 3184.200

20.514 3196.074

24.888 3141.858

30.195 3129.815

36.633 3120.772

44.443 3148.559

53.919 3141.470

65.415 3085.722

79.363 2983.058

96.284 2960.671

116.813 2896.659

141.719 2851.488

171.936 2731.739

208.595 2654.241

253.070 2502.173

307.028 2444.148

372.491 2332.748

451.911 2135.700

548.265 2064.319

665.163 1883.915

806.985 1806.217

979.045 1657.296

1187.792 1559.234

1441.045 1431.700

1748.296 1364.621

2121.058 1239.923

2573.297 1162.150