**Fig.1. left**

**Haribo Tropifruity Jelly 298K**

**Zone 1**

**TAU(us) Magnitudes**

88335.392 2463.194

72811.055 2456.102

60015.013 2362.636

49467.787 2312.266

40774.164 2199.047

33608.385 2064.099

27701.943 1973.696

22833.517 1836.617

18820.683 1707.739

15513.078 1532.112

12786.761 1433.459

10539.576 1293.641

8687.318 1218.043

7160.582 1106.515

5902.159 1008.005

4864.895 946.426

4009.923 879.337

3305.207 840.549

2724.339 767.407

2245.555 723.691

1850.915 744.267

1525.629 689.197

1257.510 636.212

1036.511 643.937

854.352 603.367

704.205 660.193

580.446 596.769

478.437 596.236

394.355 587.812

325.050 585.224

267.924 589.087

220.838 620.462

**Zone 2**

**TAU(us) Magnitudes**

74551.765 2138.352

61449.805 2114.250

50650.424 2101.730

41748.961 2079.556

34411.868 1997.283

28364.219 1900.407

23379.403 1763.374

19270.634 1683.100

15883.952 1562.953

13092.457 1425.151

10791.548 1305.322

8895.007 1233.564

7331.771 1120.060

6043.263 1022.727

4981.201 952.304

4105.789 885.272

3384.225 791.223

2789.471 772.611

2299.240 703.117

1895.165 675.803

1562.103 659.180

1287.574 609.305

1061.292 617.821

874.777 582.666

721.041 554.521

594.323 573.725

489.875 582.633

403.783 524.199

332.821 520.491

274.330 520.791

226.118 507.997

186.379 515.585

**Zone 3**

**TAU(us) Magnitudes**

63671.620 1855.250

52481.771 1861.442

43258.461 1814.389

35656.084 1771.427

29389.772 1713.802

24224.722 1647.037

19967.394 1553.354

16458.262 1452.209

13565.836 1353.812

11181.733 1239.911

9216.621 1172.205

7596.863 1053.590

6261.767 974.709

5161.304 915.824

4254.240 836.272

3506.587 770.890

2890.328 726.474

2382.373 664.585

1963.687 640.040

1618.583 643.454

1334.128 568.624

1099.664 584.547

906.406 541.127

747.111 562.432

615.812 521.165

507.587 490.414

418.382 497.165

344.854 483.392

284.248 478.185

234.294 487.958

193.118 485.035

159.179 448.642

**Zone 4**

**TAU(us) Magnitudes**

55557.425 1617.617

45793.590 1664.612

37745.682 1577.420

31112.138 1532.839

25644.394 1505.598

21137.568 1431.448

17422.786 1363.320

14360.851 1269.774

11837.030 1189.875

9756.754 1128.933

8042.071 1043.774

6628.733 972.364

5463.778 899.373

4503.557 825.728

3712.088 759.920

3059.714 720.864

2521.990 679.232

2078.768 666.189

1713.439 639.224

1412.314 599.272

1164.109 521.835

959.525 557.407

790.895 546.574

651.901 531.762

537.334 505.954

442.901 487.445

365.064 533.949

300.907 475.929

248.024 491.880

204.436 480.591

168.508 483.246

138.894 454.280

**Zone 5**

**TAU(us) Magnitudes**

46768.067 1429.609

38548.901 1420.625

31774.197 1398.202

26190.100 1377.018

21587.370 1336.579

17793.538 1285.677

14666.446 1223.462

12088.919 1165.000

9964.375 1069.560

8213.205 1012.513

6769.790 942.494

5580.046 863.207

4599.392 836.662

3791.080 763.760

3124.824 727.312

2575.658 671.697

2123.004 638.883

1749.900 625.785

1442.367 611.867

1188.881 568.449

979.943 557.664

807.725 528.924

665.773 505.961

548.768 514.595

452.326 507.099

372.833 512.971

307.310 483.774

253.302 444.964

208.786 454.232

172.093 478.891

141.849 483.140

116.920 465.275

**Zone 6**

**TAU(us) Magnitudes**

40493.825 1244.659

33377.314 1251.061

27511.480 1209.922

22676.527 1204.776

18691.283 1176.533

15406.419 1143.514

12698.847 1074.106

10467.112 1019.216

8627.589 946.831

7111.350 893.493

5861.579 836.061

4831.447 788.449

3982.353 767.602

3282.482 741.608

2705.608 659.332

2230.116 646.557

1838.189 621.593

1515.140 575.860

1248.864 582.968

1029.385 586.869

848.478 544.719

699.364 525.848

576.455 518.664

475.147 506.235

391.643 502.143

322.815 473.890

266.082 448.408

219.320 483.773

180.776 484.351

149.006 475.549

122.819 477.720

101.235 477.863

**Zone 7**

**TAU(us) Magnitudes**

82.321 1982.298

99.873 2024.710

121.167 2033.297

147.001 2006.406

178.344 2008.271

216.370 1992.167

262.503 2001.517

318.472 2024.313

386.375 1983.335

468.755 1957.230

568.701 1946.375

689.955 1938.237

837.064 1944.271

1015.537 1895.263

1232.064 1874.103

1494.757 1845.463

1813.461 1782.610

2200.116 1766.119

2669.212 1726.563

3238.325 1682.656

3928.781 1617.231

4766.452 1588.919

5782.727 1518.097

7015.685 1454.882

8511.527 1387.976

10326.304 1350.495

12528.017 1261.883

15199.166 1247.865

18439.841 1173.506

22371.474 1134.084

27141.386 1171.539

32928.310 1141.750

**Zone 8**

**TAU(us) Magnitudes**

69.165 1993.104

83.912 1971.061

101.803 1984.475

123.509 1973.675

149.843 1973.913

181.791 1940.374

220.552 1951.219

267.576 1951.302

324.627 1969.081

393.843 1904.784

477.815 1907.606

579.692 1891.417

703.291 1893.338

853.242 1870.879

1035.165 1842.870

1255.877 1808.678

1523.648 1764.972

1848.511 1743.482

2242.639 1692.197

2720.801 1625.722

3300.914 1572.638

4004.715 1511.629

4858.577 1431.477

5894.494 1368.552

7151.282 1297.260

8676.036 1235.095

10525.888 1176.317

12770.155 1117.180

15492.931 1071.270

18796.242 1043.319

22803.864 1032.054

27665.967 1048.248

**Zone 9**

**TAU(us) Magnitudes**

60.698 1954.155

73.640 1947.703

89.341 1971.364

108.390 1957.929

131.500 1943.020

159.538 1936.811

193.553 1923.808

234.822 1946.790

284.889 1912.274

345.631 1890.133

419.325 1898.250

508.731 1877.974

617.199 1858.445

748.795 1858.546

908.449 1803.002

1102.143 1759.558

1337.135 1753.773

1622.231 1676.669

1968.113 1655.290

2387.742 1591.210

2896.842 1541.674

3514.490 1455.678

4263.828 1392.266

5172.936 1302.244

6275.879 1227.147

7613.984 1191.709

9237.392 1110.616

11206.933 1061.162

13596.409 1002.059

16495.354 965.593

20012.394 932.740

24279.317 930.820

**Zone 10**

**TAU(us) Magnitudes**

53.853 1938.653

65.336 1913.838

79.266 1920.248

96.167 1927.606

116.671 1905.628

141.547 1883.052

171.727 1919.745

208.341 1907.342

252.762 1882.702

306.655 1873.099

372.038 1856.572

451.362 1870.455

547.598 1800.753

664.354 1786.074

806.004 1750.128

977.855 1739.071

1186.347 1682.748

1439.293 1629.416

1746.171 1604.526

2118.479 1514.169

2570.168 1487.933

3118.164 1413.264

3783.000 1358.398

4589.589 1228.191

5568.153 1176.224

6755.362 1098.938

8195.699 1019.198

9943.137 952.181

12063.154 904.243

14635.187 869.154

17755.614 853.835

21541.360 834.363

**Zone 11**

**TAU(us) Magnitudes**

45.780 1874.671

55.541 1874.737

67.383 1907.671

81.749 1893.236

99.180 1869.085

120.326 1886.646

145.981 1855.866

177.107 1844.711

214.868 1847.926

260.681 1837.524

316.262 1847.729

383.693 1789.728

465.502 1799.845

564.754 1760.972

685.167 1723.987

831.254 1679.409

1008.490 1628.057

1223.514 1594.849

1484.384 1533.052

1800.875 1469.309

2184.847 1428.159

2650.687 1348.378

3215.851 1284.850

3901.516 1197.487

4733.374 1110.689

5742.595 1029.177

6966.997 960.543

8452.458 871.045

10254.641 848.314

12441.074 826.866

15093.685 796.307

18311.871 780.668

**Zone 12**

**TAU(us) Magnitudes**

38.558 1907.900

46.779 1889.987

56.753 1865.840

68.854 1853.106

83.535 1823.498

101.346 1814.349

122.954 1851.883

149.169 1818.139

180.974 1817.787

219.561 1823.428

266.374 1772.075

323.169 1766.500

392.073 1754.882

475.668 1745.604

577.087 1713.006

700.130 1664.063

849.408 1607.723

1030.513 1581.824

1250.233 1484.082

1516.800 1459.128

1840.203 1390.023

2232.561 1318.870

2708.574 1245.865

3286.080 1136.187

3986.718 1076.777

4836.742 964.244

5868.003 922.886

7119.144 873.859

8637.045 786.013

10478.584 766.350

12712.765 758.061

15423.305 749.834

**Zone 13**

**TAU(us) Magnitudes**

34.373 1827.757

41.702 1851.473

50.594 1826.049

61.381 1813.061

74.468 1794.077

90.346 1833.009

109.609 1826.822

132.979 1816.170

161.332 1792.589

195.730 1776.182

237.463 1779.831

288.093 1755.257

349.518 1704.861

424.041 1672.520

514.452 1654.880

624.140 1641.290

757.216 1610.217

918.665 1527.871

1114.537 1467.054

1352.172 1419.853

1640.474 1355.018

1990.246 1303.506

2414.595 1206.155

2929.420 1139.302

3554.013 1047.117

4311.779 982.512

5231.111 916.165

6346.457 814.018

7699.610 769.468

9341.275 745.639

11332.966 710.201

13749.313 679.596

**Zone 14**

**TAU(us) Magnitudes**

28.760 1805.108

34.892 1810.805

42.332 1772.460

51.357 1837.446

62.307 1799.466

75.592 1790.549

91.710 1760.340

111.263 1790.971

134.986 1765.895

163.767 1716.720

198.685 1739.393

241.047 1699.283

292.442 1683.851

354.794 1660.631

430.441 1618.028

522.218 1591.981

633.562 1532.100

768.646 1498.400

932.532 1406.365

1131.361 1369.504

1372.583 1327.245

1665.237 1222.851

2020.289 1152.461

2451.043 1096.113

2973.639 1022.375

3607.661 906.218

4376.865 858.339

5310.074 811.542

6442.256 737.152

7815.835 693.973

9482.281 679.687

11504.036 643.102

**Zone 15**

**TAU(us) Magnitudes**

23.668 1766.682

28.714 1790.799

34.836 1798.178

42.264 1767.543

51.275 1737.220

62.208 1765.776

75.472 1778.540

91.563 1764.529

111.086 1734.935

134.771 1707.567

163.506 1713.195

198.368 1666.925

240.663 1649.377

291.975 1627.446

354.228 1617.327

429.755 1579.920

521.384 1511.829

632.551 1451.227

767.420 1406.301

931.044 1367.709

1129.556 1306.421

1370.393 1199.122

1662.580 1134.378

2017.066 1048.896

2447.132 978.124

2968.895 889.429

3601.905 828.766

4369.882 760.215

5301.602 706.514

6431.978 672.044

7803.366 662.420

9467.153 649.363

**Zone 16**

**TAU(us) Magnitudes**

20.895 1770.372

25.351 1742.479

30.756 1742.123

37.313 1728.750

45.269 1744.499

54.921 1732.146

66.631 1733.585

80.838 1734.512

98.073 1691.467

118.984 1692.435

144.353 1687.217

175.131 1674.832

212.471 1668.337

257.773 1579.199

312.734 1569.662

379.413 1565.677

460.309 1514.202

558.454 1445.103

677.524 1415.895

821.981 1352.471

997.239 1287.153

1209.865 1206.461

1467.825 1116.516

1780.786 1025.546

2160.474 984.631

2621.118 874.931

3179.977 843.245

3857.992 736.189

4680.570 729.157

5678.534 630.206

6889.277 610.106

8358.167 631.260

**Zone 17**

**TAU(us) Magnitudes**

17.782 1724.800

21.574 1731.430

26.174 1725.853

31.754 1720.170

38.525 1731.245

46.739 1693.855

56.704 1689.028

68.795 1697.474

83.462 1658.444

101.258 1658.239

122.847 1648.182

149.040 1613.157

180.818 1594.326

219.371 1597.364

266.143 1548.499

322.889 1478.692

391.733 1474.280

475.257 1415.021

576.588 1385.989

699.524 1306.755

848.673 1250.318

1029.622 1190.577

1249.152 1087.877

1515.488 1045.738

1838.612 939.961

2230.629 843.013

2706.231 772.614

3283.237 735.531

3983.269 674.222

4832.558 652.918

5862.928 641.684

7112.986 583.500

**Zone 18**

**TAU(us) Magnitudes**

16.024 1702.393

19.440 1725.357

23.585 1716.884

28.614 1695.712

34.715 1682.049

42.116 1682.987

51.096 1678.669

61.990 1679.120

75.207 1666.707

91.243 1636.586

110.697 1637.548

134.299 1629.193

162.934 1575.489

197.673 1571.566

239.820 1547.568

290.953 1453.531

352.988 1460.108

428.250 1411.413

519.559 1381.600

630.337 1313.926

764.733 1267.589

927.785 1138.477

1125.602 1066.178

1365.596 1027.998

1656.760 924.406

2010.004 861.865

2438.565 791.314

2958.502 760.460

3589.296 672.449

4354.584 615.676

5283.042 587.615

6409.461 552.814

**Zone 19**

**TAU(us) Magnitudes**

13.831 1680.142

16.780 1694.148

20.357 1678.922

24.698 1689.097

29.963 1651.406

36.352 1665.135

44.103 1662.193

53.506 1641.299

64.915 1608.687

78.755 1644.209

95.547 1597.894

115.919 1598.257

140.634 1549.697

170.620 1540.417

206.998 1537.722

251.133 1472.795

304.678 1399.448

369.640 1385.645

448.452 1349.522

544.069 1278.213

660.072 1204.146

800.808 1133.576

971.552 1052.704

1178.700 993.704

1430.015 895.533

1734.915 825.836

2104.823 766.824

2553.601 721.689

3098.064 654.656

3758.615 620.670

4560.004 551.631

5532.261 561.908

**Zone 20**

**TAU(us) Magnitudes**

12.427 1653.014

15.076 1642.685

18.290 1637.498

22.190 1623.809

26.922 1648.568

32.662 1650.287

39.626 1638.144

48.074 1656.484

58.324 1600.959

70.760 1598.253

85.847 1575.731

104.151 1604.442

126.357 1545.357

153.298 1539.131

185.983 1521.775

225.638 1458.204

273.747 1408.824

332.114 1365.021

402.925 1338.787

488.834 1235.561

593.060 1193.658

719.509 1120.213

872.918 1056.722

1059.037 973.019

1284.838 910.096

1558.784 840.365

1891.139 752.701

2294.356 713.119

2783.545 656.951

3377.035 599.574

4097.067 563.278

4970.619 531.165

**Zone 21**

**TAU(us) Magnitudes**

10.313 1623.807

12.512 1637.000

15.179 1577.253

18.416 1639.371

22.342 1602.866

27.106 1602.929

32.885 1598.922

39.897 1594.801

48.404 1573.835

58.724 1585.844

71.245 1561.358

86.435 1548.601

104.865 1528.514

127.223 1518.732

154.349 1456.133

187.258 1391.034

227.184 1396.671

275.623 1335.764

334.390 1230.826

405.687 1231.309

492.185 1167.725

597.126 1098.642

724.441 998.490

878.902 951.948

1066.296 862.588

1293.646 819.931

1569.469 732.673

1904.102 681.086

2310.083 646.684

2802.625 582.433

3400.184 561.204

4125.151 549.708

**Zone 22**

**TAU(us) Magnitudes**

9.494 1633.826

11.518 1609.044

13.974 1613.080

16.953 1601.600

20.568 1616.734

24.953 1575.208

30.274 1591.329

36.729 1583.584

44.560 1554.397

54.061 1581.844

65.587 1584.555

79.571 1575.250

96.537 1492.915

117.120 1508.273

142.091 1463.407

172.387 1399.493

209.142 1407.682

253.735 1344.481

307.834 1282.013

373.469 1223.483

453.098 1200.366

549.704 1137.805

666.909 1055.257

809.104 989.110

981.616 908.472

1190.910 809.170

1444.829 778.536

1752.886 695.738

2126.626 643.768

2580.053 610.158

3130.156 583.332

3797.550 544.292

**Zone 23**

**TAU(us) Magnitudes**

8.282 1628.049

10.048 1611.515

12.191 1619.968

14.790 1592.434

17.944 1599.820

21.769 1570.287

26.411 1625.329

32.042 1575.163

38.874 1583.185

47.162 1547.137

57.218 1519.570

69.418 1495.545

84.219 1511.305

102.175 1468.779

123.961 1450.514

150.391 1436.507

182.456 1375.332

221.358 1310.711

268.555 1269.263

325.815 1217.382

395.283 1143.860

479.563 1089.952

581.812 1033.983

705.863 949.342

856.363 853.278

1038.951 804.374

1260.470 769.251

1529.220 663.542

1855.271 635.242

2250.841 582.678

2730.752 551.175

3312.986 517.569

**Zone 24**

**TAU(us) Magnitudes**

7.292 1606.001

8.847 1592.695

10.733 1603.211

13.022 1602.193

15.798 1561.217

19.167 1565.788

23.253 1546.699

28.211 1552.821

34.226 1545.777

41.524 1513.460

50.377 1537.493

61.118 1492.443

74.149 1495.963

89.959 1472.217

109.139 1469.012

132.409 1374.560

160.641 1338.681

194.892 1310.725

236.446 1255.747

286.859 1228.592

348.022 1130.264

422.225 1095.485

512.249 1020.809

621.468 933.015

753.973 879.156

914.731 793.242

1109.764 748.140

1346.382 697.016

1633.449 648.388

1981.723 561.799

2404.254 547.978

2916.875 541.296

**Zone 25**

**TAU(us) Magnitudes**

6.507 1553.543

7.895 1537.530

9.578 1540.676

11.620 1586.664

14.098 1546.657

17.104 1573.055

20.751 1565.169

25.175 1531.779

30.542 1543.494

37.055 1532.772

44.955 1547.637

54.540 1488.503

66.169 1462.529

80.277 1467.672

97.393 1409.125

118.159 1407.010

143.352 1367.431

173.917 1327.593

210.998 1277.829

255.986 1185.271

310.565 1132.755

376.782 1063.248

457.118 1022.723

554.581 936.407

672.826 862.323

816.282 804.576

990.325 767.875

1201.476 684.348

1457.647 631.603

1768.438 579.843

2145.494 568.076

2602.943 543.503

**Zone 26**

**TAU(us) Magnitudes**

6.017 1556.756

7.300 1560.597

8.856 1535.195

10.744 1585.965

13.035 1559.360

15.814 1521.163

19.186 1525.838

23.277 1540.386

28.240 1504.642

34.261 1496.753

41.566 1484.787

50.428 1496.120

61.180 1464.365

74.225 1444.448

90.050 1412.695

109.250 1375.936

132.544 1347.346

160.804 1331.007

195.090 1243.334

236.686 1172.217

287.151 1137.029

348.375 1085.141

422.654 994.667

512.770 954.493

622.099 844.615

754.739 788.797

915.660 772.047

1110.892 684.236

1347.750 656.641

1635.109 574.370

1983.737 554.508

2406.698 498.889

**Zone 27**

**TAU(us) Magnitudes**

5.600 1553.059

6.794 1560.266

8.242 1516.188

9.999 1569.279

12.131 1534.274

14.718 1542.975

17.856 1494.282

21.663 1513.801

26.282 1520.368

31.886 1523.275

38.684 1500.471

46.932 1444.007

56.939 1441.689

69.079 1432.719

83.807 1401.400

101.676 1386.485

123.355 1331.179

149.656 1313.968

181.565 1266.976

220.277 1170.969

267.243 1111.639

324.223 1040.549

393.352 991.649

477.220 940.525

578.970 880.906

702.414 786.666

852.179 722.026

1033.876 710.946

1254.312 613.790

1521.749 582.400

1846.207 506.645

2239.845 513.068

**Zone 28**

**TAU(us) Magnitudes**

4.952 1548.403

6.007 1503.407

7.288 1531.558

8.842 1529.915

10.727 1544.964

13.015 1547.287

15.789 1511.224

19.156 1520.222

23.240 1483.650

28.195 1487.888

34.207 1471.278

41.501 1481.147

50.349 1475.214

61.084 1385.899

74.108 1421.682

89.909 1337.019

109.079 1343.087

132.336 1250.616

160.552 1262.935

194.784 1185.792

236.315 1103.360

286.700 1056.427

347.829 990.993

421.991 915.633

511.965 886.292

621.123 784.563

753.556 719.550

914.224 691.189

1109.150 614.265

1345.636 573.320

1632.544 564.696

1980.626 538.573

**Zone 29**

**TAU(us) Magnitudes**

4.637 1536.494

5.626 1533.265

6.825 1548.699

8.280 1519.848

10.046 1480.596

12.188 1523.074

14.787 1503.581

17.939 1491.411

21.764 1479.878

26.405 1508.083

32.034 1462.183

38.865 1460.288

47.151 1426.665

57.204 1427.067

69.401 1367.336

84.198 1367.395

102.151 1323.123

123.931 1307.704

150.354 1229.983

182.412 1167.699

221.305 1151.877

268.490 1068.890

325.736 1009.926

395.187 897.155

479.447 867.955

581.672 811.586

705.692 756.060

856.156 673.150

1038.700 607.520

1260.166 585.156

1528.851 567.447

1854.823 522.132

**Zone 30**

**TAU(us) Magnitudes**

4.328 1529.142

5.250 1529.819

6.370 1510.022

7.728 1517.071

9.376 1507.885

11.375 1492.721

13.800 1496.767

16.743 1513.932

20.312 1488.587

24.643 1495.675

29.898 1460.824

36.272 1429.579

44.006 1421.249

53.389 1437.478

64.772 1420.814

78.582 1382.998

95.337 1325.732

115.664 1248.159

140.325 1221.123

170.244 1185.516

206.543 1133.578

250.580 1060.573

304.008 1015.666

368.826 935.161

447.465 861.462

542.871 800.023

658.619 729.740

799.046 682.171

969.414 636.623

1176.106 605.181

1426.869 542.643

1731.097 534.572

**Zone 31**

**TAU(us) Magnitudes**

4.034 1500.206

4.895 1500.895

5.938 1523.661

7.204 1492.401

8.740 1503.672

10.604 1499.435

12.865 1483.752

15.608 1496.199

18.935 1494.555

22.973 1466.149

27.871 1462.585

33.813 1444.114

41.022 1408.287

49.769 1409.048

60.380 1363.165

73.254 1344.589

88.873 1312.649

107.822 1300.488

130.812 1198.018

158.702 1171.011

192.540 1125.939

233.592 1039.384

283.397 975.400

343.822 901.335

417.129 867.611

506.067 784.006

613.968 719.470

744.874 690.106

903.692 605.126

1096.372 545.552

1330.134 553.085

1613.737 513.888

**Zone 32**

**TAU(us) Magnitudes**

3.850 1547.896

4.671 1492.219

5.667 1503.076

6.875 1517.406

8.341 1508.816

10.119 1495.533

12.276 1505.462

14.894 1490.778

18.070 1462.209

21.922 1489.899

26.596 1476.833

32.267 1478.680

39.147 1434.568

47.494 1408.294

57.620 1390.419

69.905 1370.980

84.810 1349.961

102.893 1288.929

124.831 1260.716

151.446 1199.476

183.737 1118.604

222.912 1034.293

270.440 1005.831

328.102 954.288

398.058 859.029

482.929 811.860

585.896 719.151

710.818 691.363

862.374 651.022

1046.244 594.443

1269.318 555.113

1539.954 526.319

**Zone 33**

**TAU(us) Magnitudes**

3.825 1546.401

4.641 1502.528

5.630 1498.190

6.830 1502.293

8.287 1505.280

10.053 1494.250

12.197 1493.822

14.798 1490.624

17.953 1460.022

21.780 1457.250

26.424 1492.207

32.058 1449.012

38.894 1439.685

47.186 1437.009

57.247 1422.795

69.453 1366.842

84.261 1317.206

102.227 1298.404

124.023 1245.607

150.467 1201.290

182.548 1111.727

221.470 1062.319

268.691 999.071

325.979 913.462

395.483 896.020

479.805 788.788

582.107 742.736

706.220 680.140

856.796 619.304

1039.477 571.555

1261.108 558.526

1529.994 499.311

**Zone 34**

**TAU(us) Magnitudes**

3.487 1519.999

4.231 1457.054

5.133 1522.557

6.227 1496.060

7.555 1483.941

9.165 1500.571

11.119 1458.986

13.490 1529.773

16.367 1469.383

19.856 1454.166

24.090 1422.937

29.226 1434.618

35.457 1410.255

43.017 1422.393

52.189 1362.405

63.317 1349.040

76.817 1301.229

93.195 1287.162

113.066 1208.100

137.173 1165.572

166.420 1115.233

201.903 1050.367

244.952 990.004

297.179 898.727

360.542 839.447

437.414 780.283

530.677 741.840

643.825 673.125

781.097 620.905

947.638 574.758

1149.688 534.166

1394.817 552.301

**Zone 35**

**TAU(us) Magnitudes**

3.525 1492.740

4.276 1469.035

5.188 1487.771

6.294 1481.022

7.636 1480.346

9.264 1496.983

11.240 1469.885

13.636 1471.340

16.544 1451.501

20.071 1446.518

24.350 1427.151

29.542 1455.620

35.841 1461.097

43.483 1384.177

52.754 1405.736

64.002 1353.087

77.648 1312.187

94.204 1319.212

114.289 1258.196

138.657 1170.546

168.221 1129.017

204.088 1087.049

247.603 979.726

300.395 944.441

364.444 857.577

442.148 798.700

536.420 752.881

650.793 679.583

789.551 649.682

957.894 593.841

1162.130 548.928

1409.913 537.870

**Zone 36**

**TAU(us) Magnitudes**

3.482 1462.311

4.224 1481.441

5.124 1462.656

6.217 1472.486

7.543 1499.019

9.151 1505.012

11.102 1490.458

13.469 1472.473

16.341 1454.068

19.825 1465.174

24.051 1464.819

29.180 1449.390

35.401 1432.373

42.949 1408.983

52.106 1373.818

63.216 1380.136

76.695 1329.681

93.047 1280.148

112.886 1245.293

136.955 1199.683

166.156 1119.021

201.583 1072.699

244.563 1004.927

296.707 917.963

359.969 845.819

436.719 777.387

529.834 749.007

642.802 686.510

779.857 642.600

946.133 567.766

1147.862 573.974

1392.602 528.569

**Zone 37**

**TAU(us) Magnitudes**

3.187 1478.934

3.866 1510.761

4.691 1498.858

5.691 1493.791

6.904 1472.046

8.376 1481.544

10.162 1468.056

12.329 1470.799

14.958 1450.827

18.147 1443.237

22.016 1443.622

26.711 1422.840

32.406 1439.685

39.315 1401.730

47.698 1380.411

57.868 1328.030

70.206 1312.587

85.175 1272.410

103.335 1226.792

125.367 1175.710

152.097 1126.436

184.527 1025.869

223.870 977.290

271.603 894.519

329.512 843.502

399.769 793.460

485.005 718.352

588.415 687.991

713.873 639.915

866.081 570.845

1050.742 550.156

1274.775 547.993

**Zone 38**

**TAU(us) Magnitudes**

3.271 1486.066

3.969 1481.278

4.815 1486.160

5.842 1503.357

7.087 1497.063

8.598 1475.133

10.431 1463.728

12.655 1440.120

15.354 1480.278

18.627 1440.665

22.599 1451.045

27.417 1417.268

33.263 1408.367

40.355 1412.125

48.960 1368.349

59.399 1367.306

72.063 1324.684

87.428 1294.242

106.069 1245.392

128.684 1190.276

156.122 1133.459

189.409 1065.606

229.794 990.750

278.789 924.386

338.231 875.744

410.346 790.768

497.838 737.906

603.984 688.887

732.762 656.877

888.997 554.782

1078.543 541.261

1308.504 530.032

**Zone 39**

**TAU(us) Magnitudes**

3.218 1486.782

3.905 1493.139

4.737 1514.634

5.747 1469.821

6.972 1463.813

8.459 1474.372

10.263 1474.242

12.451 1455.154

15.105 1464.460

18.326 1437.272

22.233 1432.871

26.974 1426.083

32.725 1432.182

39.702 1385.876

48.168 1400.398

58.438 1371.959

70.897 1331.974

86.014 1281.755

104.353 1247.274

126.602 1192.048

153.596 1132.355

186.344 1057.639

226.076 967.703

274.278 943.459

332.758 816.349

403.707 809.020

489.783 761.231

594.211 650.999

720.905 637.294

874.613 568.711

1061.092 553.388

1287.332 547.617

**Zone 40**

**TAU(us) Magnitudes**

3.066 1487.847

3.719 1469.732

4.512 1502.217

5.475 1479.535

6.642 1485.616

8.058 1510.397

9.776 1470.073

11.860 1452.538

14.389 1448.531

17.457 1414.776

21.179 1464.645

25.695 1431.144

31.174 1407.444

37.820 1431.501

45.884 1423.789

55.667 1331.397

67.536 1318.062

81.936 1282.982

99.406 1260.495

120.601 1175.808

146.315 1123.366

177.511 1051.756

215.359 949.408

261.276 904.246

316.984 844.731

384.570 804.647

466.565 719.210

566.044 656.780

686.732 656.865

833.153 566.685

1010.793 559.844

1226.308 526.376