**Fig.1. left**

**Haribo Bear Jelly 298K**

**Zone 1**

**TAU(us) Magnitudes**

103129.411 2696.225

85005.126 2603.757

70066.060 2554.484

57752.432 2440.769

47602.840 2401.420

39236.968 2246.511

32341.341 2133.271

26657.573 1987.777

21972.688 1835.276

18111.139 1619.977

14928.231 1474.114

12304.697 1440.078

10142.231 1324.970

8359.804 1230.124

6890.626 1033.428

5679.646 1041.612

4681.487 945.084

3858.748 907.140

3180.600 903.054

2621.631 867.432

2160.897 829.551

1781.135 735.465

1468.112 678.027

1210.102 714.038

997.435 666.934

822.142 689.732

677.657 679.908

558.563 707.527

460.399 677.322

379.487 669.546

312.795 685.638

257.824 698.540

**Zone 2**

**TAU(us) Magnitudes**

83669.645 2320.441

68965.281 2271.019

56845.107 2279.444

46854.971 2203.133

38620.532 2114.118

31833.239 2079.948

26238.766 1956.651

21627.484 1855.133

17826.602 1689.262

14693.700 1607.024

12111.383 1490.666

9982.891 1389.137

8228.466 1224.391

6782.370 1129.127

5590.415 987.482

4607.938 1001.156

3798.125 884.551

3130.630 874.604

2580.444 794.300

2126.948 788.876

1753.152 764.081

1445.048 675.824

1191.090 700.181

981.764 648.620

809.226 666.079

667.010 675.498

549.788 620.565

453.166 594.696

373.525 646.664

307.881 600.490

253.773 606.618

209.174 590.224

**Zone 3**

**TAU(us) Magnitudes**

68623.819 1993.120

56563.655 1988.412

46622.982 1992.165

38429.313 1881.208

31675.626 1830.397

26108.853 1776.301

21520.401 1730.781

17738.339 1621.206

14620.948 1446.732

12051.417 1386.891

9933.463 1293.315

8187.725 1192.060

6748.789 1102.097

5562.736 1012.925

4585.123 883.474

3779.319 847.856

3115.130 836.083

2567.667 739.277

2116.417 748.784

1744.472 666.626

1437.893 656.155

1185.193 629.694

976.903 595.177

805.219 634.263

663.708 602.993

547.066 600.592

450.923 576.040

371.676 612.619

306.357 570.296

252.516 532.782

208.138 523.443

171.560 527.795

**Zone 4**

**TAU(us) Magnitudes**

64519.609 1690.822

53180.732 1707.897

43834.584 1730.341

36130.957 1642.615

29781.190 1542.687

24547.351 1559.403

20233.323 1420.335

16677.456 1371.437

13746.508 1197.337

11330.653 1202.893

9339.369 1085.874

7698.039 1006.321

6345.162 965.226

5230.043 842.079

4310.899 818.658

3553.288 815.163

2928.822 776.194

2414.102 763.050

1989.840 655.045

1640.139 709.921

1351.896 632.776

1114.310 658.810

918.477 651.446

757.061 576.441

624.013 579.188

514.347 555.792

423.954 550.197

349.447 537.800

288.034 560.903

237.414 549.184

195.690 585.687

161.299 557.781

**Zone 5**

**TAU(us) Magnitudes**

50568.507 1542.221

41681.440 1513.682

34356.214 1459.967

28318.345 1418.777

23341.591 1494.635

19239.467 1371.999

15858.263 1333.185

13071.282 1302.491

10774.095 1186.368

8880.622 1119.726

7319.913 1048.087

6033.489 1025.670

4973.145 888.621

4099.149 875.453

3378.752 748.297

2784.959 726.000

2295.522 736.649

1892.100 710.648

1559.576 623.611

1285.491 661.911

1059.575 608.183

873.362 587.640

719.875 574.409

593.362 641.269

489.082 583.556

403.130 593.407

332.282 544.040

273.886 573.964

225.752 528.184

186.078 571.567

153.376 490.189

126.421 563.627

**Zone 6**

**TAU(us) Magnitudes**

39793.913 1302.185

32800.407 1320.501

27035.961 1339.926

22284.577 1260.219

18368.216 1283.649

15140.128 1242.781

12479.355 1097.930

10286.194 1116.824

8478.466 1085.332

6988.434 1005.672

5760.265 950.004

4747.938 893.938

3913.521 829.332

3225.746 808.444

2658.844 758.565

2191.570 690.969

1806.417 689.536

1488.951 693.272

1227.278 657.293

1011.593 616.435

833.812 593.220

687.275 586.757

566.492 573.150

466.935 586.702

384.874 548.063

317.235 570.935

261.483 551.566

215.529 536.819

177.652 543.689

146.430 560.714

120.696 553.182

99.485 523.065

**Zone 7**

**TAU(us) Magnitudes**

87.328 2163.525

105.948 2195.833

128.537 2172.189

155.943 2171.692

189.192 2158.338

229.531 2149.770

278.470 2105.082

337.844 2176.941

409.877 2127.726

497.268 2126.357

603.293 2151.202

731.923 2056.292

887.979 2127.248

1077.309 2040.910

1307.007 2041.131

1585.679 1981.162

1923.768 1965.597

2333.942 1973.175

2831.571 1859.304

3435.301 1795.151

4167.756 1738.945

5056.380 1694.040

6134.471 1699.095

7442.426 1570.428

9029.255 1492.310

10954.419 1463.344

13290.055 1361.644

16123.681 1369.235

19561.476 1309.064

23732.257 1218.765

28792.306 1248.971

34931.230 1183.158

**Zone 8**

**TAU(us) Magnitudes**

63.889 2141.796

77.511 2154.748

94.037 2092.248

114.087 2143.329

138.412 2110.272

167.923 2071.488

203.727 2115.083

247.165 2065.149

299.864 2132.041

363.799 2069.060

441.366 2027.143

535.471 2027.521

649.641 1975.096

788.154 2022.483

956.199 1911.878

1160.074 1866.308

1407.418 1900.614

1707.499 1856.206

2071.562 1733.344

2513.248 1754.381

3049.108 1643.907

3699.220 1583.144

4487.946 1481.227

5444.838 1434.663

6605.754 1382.792

8014.194 1285.137

9722.932 1274.092

11795.998 1175.684

14311.070 1138.702

17362.390 1133.369

21064.295 1113.764

25555.498 1131.697

**Zone 9**

**TAU(us) Magnitudes**

61.424 2108.830

74.521 2117.116

90.410 2147.896

109.686 2103.452

133.073 2027.617

161.446 2050.194

195.869 2071.918

237.631 2028.411

288.297 2032.315

349.766 2027.953

424.341 2072.585

514.816 2041.383

624.582 1991.292

757.752 1968.867

919.316 1962.073

1115.327 1907.967

1353.130 1861.963

1641.636 1872.675

1991.656 1767.848

2416.305 1750.758

2931.495 1760.454

3556.531 1569.644

4314.833 1543.025

5234.816 1474.697

6350.952 1382.342

7705.064 1255.482

9347.891 1231.652

11340.993 1222.608

13759.052 1120.705

16692.674 1071.013

20251.786 1022.683

24569.751 1050.418

**Zone 10**

**TAU(us) Magnitudes**

53.493 2111.765

64.899 2071.680

78.736 1951.147

95.524 2080.265

115.891 2019.981

140.600 2049.126

170.578 2109.663

206.948 2032.565

251.072 2026.681

304.604 1975.691

369.550 1963.346

448.343 1958.412

543.936 1940.837

659.911 1953.206

800.613 1922.773

971.315 1857.232

1178.413 1759.982

1429.667 1773.895

1734.492 1686.765

2104.310 1668.505

2552.979 1520.114

3097.310 1490.600

3757.700 1434.683

4558.894 1335.834

5530.914 1261.809

6710.182 1132.647

8140.887 1124.007

9876.639 1032.731

11982.476 926.468

14537.308 962.147

17636.866 895.312

21397.293 884.568

**Zone 11**

**TAU(us) Magnitudes**

46.299 1981.851

56.171 2061.866

68.147 2010.360

82.677 2003.054

100.305 1983.141

121.691 1977.488

147.638 2037.579

179.116 1931.452

217.306 1997.523

263.639 1962.903

319.851 1944.744

388.047 1894.796

470.784 1885.036

571.162 1910.078

692.942 1889.871

840.687 1806.362

1019.933 1778.679

1237.397 1735.014

1501.227 1686.389

1821.310 1592.209

2209.639 1545.178

2680.765 1424.812

3252.342 1355.469

3945.786 1251.748

4787.083 1148.749

5807.757 1141.226

7046.052 1020.649

8548.369 991.446

10371.001 949.178

12582.243 892.652

15264.954 848.531

18519.656 826.835

**Zone 12**

**TAU(us) Magnitudes**

39.569 2021.105

48.006 1960.738

58.242 1996.222

70.660 1993.500

85.725 1957.874

104.003 1992.439

126.178 1988.848

153.081 1938.378

185.720 1951.700

225.318 1970.303

273.359 1919.292

331.643 1905.399

402.354 1888.881

488.141 1896.644

592.220 1802.076

718.490 1770.216

871.682 1730.622

1057.537 1707.133

1283.018 1689.935

1556.576 1517.207

1888.459 1486.479

2291.105 1433.896

2779.601 1320.444

3372.251 1208.055

4091.262 1139.669

4963.577 1029.163

6021.881 967.883

7305.830 905.350

8863.536 869.700

10753.366 867.603

13046.134 827.310

15827.753 739.985

**Zone 13**

**TAU(us) Magnitudes**

33.546 1964.585

40.698 1942.157

49.375 1934.513

59.903 1971.180

72.675 1912.134

88.171 1932.463

106.970 1874.770

129.777 1916.583

157.448 1828.911

191.018 1849.071

231.745 1915.025

281.157 1866.182

341.103 1855.522

413.831 1779.713

502.066 1782.018

609.113 1728.274

738.984 1696.362

896.546 1632.185

1087.703 1576.623

1319.616 1561.359

1600.977 1439.064

1942.327 1378.952

2356.459 1271.761

2858.889 1144.487

3468.444 1062.657

4207.965 1033.452

5105.162 872.124

6193.654 925.714

7514.227 825.067

9116.366 766.599

11060.103 777.511

13418.272 755.562

**Zone 14**

**TAU(us) Magnitudes**

26.400 1970.719

32.029 1952.183

38.858 1907.599

47.143 1888.521

57.195 1904.709

69.389 1947.025

84.184 1920.976

102.133 1907.885

123.909 1854.769

150.329 1883.042

182.381 1833.803

221.267 1813.505

268.444 1852.139

325.680 1773.287

395.120 1752.704

479.365 1735.521

581.572 1678.550

705.571 1555.280

856.009 1584.316

1038.522 1479.606

1259.950 1414.558

1528.589 1265.034

1854.505 1247.121

2249.912 1120.565

2729.625 1054.477

3311.619 943.592

4017.702 940.335

4874.333 802.960

5913.609 807.287

7174.473 714.699

8704.172 780.184

10560.023 728.569

**Zone 15**

**TAU(us) Magnitudes**

24.829 1871.860

30.123 1930.876

36.546 1850.390

44.338 1916.482

53.791 1916.972

65.260 1894.117

79.175 1842.091

96.056 1868.863

116.536 1853.019

141.383 1826.661

171.528 1827.172

208.100 1805.333

252.470 1759.740

306.300 1755.595

371.608 1691.159

450.840 1728.592

546.965 1685.601

663.586 1680.904

805.071 1531.586

976.724 1476.784

1184.975 1388.155

1437.629 1312.083

1744.151 1285.020

2116.029 1179.504

2567.196 1060.089

3114.558 1003.965

3778.625 905.639

4584.281 858.596

5561.714 769.387

6747.549 757.537

8186.221 732.764

9931.638 653.954

**Zone 16**

**TAU(us) Magnitudes**

19.185 1924.950

23.276 1951.821

28.239 1892.001

34.259 1909.708

41.564 1901.875

50.426 1884.340

61.178 1795.496

74.222 1845.192

90.047 1832.780

109.246 1721.229

132.539 1799.754

160.798 1757.785

195.082 1719.856

236.676 1691.572

287.139 1657.565

348.361 1599.294

422.636 1613.027

512.748 1532.040

622.073 1479.261

754.708 1393.372

915.622 1318.563

1110.846 1260.807

1347.694 1176.186

1635.041 1091.141

1983.654 993.353

2406.597 906.477

2919.718 829.720

3542.242 780.540

4297.498 703.900

5213.785 728.264

6325.437 660.558

7674.109 639.212

**Zone 17**

**TAU(us) Magnitudes**

16.724 1839.314

20.290 1781.105

24.616 1855.984

29.864 1860.494

36.232 1892.429

43.957 1852.635

53.329 1867.034

64.700 1864.742

78.495 1790.436

95.231 1750.680

115.536 1845.830

140.169 1785.719

170.056 1709.284

206.314 1695.904

250.303 1746.406

303.671 1639.211

368.418 1617.611

446.969 1538.948

542.270 1473.054

657.889 1414.239

798.160 1332.624

968.339 1260.873

1174.803 1200.699

1425.287 1104.465

1729.178 991.985

2097.863 891.772

2545.157 924.098

3087.820 784.270

3746.187 745.292

4544.927 701.760

5513.969 670.104

6689.624 596.223

**Zone 18**

**TAU(us) Magnitudes**

14.640 1785.126

17.762 1795.728

21.549 1828.727

26.143 1804.555

31.718 1805.354

38.480 1831.280

46.685 1795.109

56.639 1814.727

68.715 1815.941

83.366 1775.674

101.140 1694.328

122.705 1703.671

148.867 1692.081

180.608 1642.518

219.116 1641.891

265.835 1650.144

322.514 1523.042

391.279 1494.302

474.705 1455.830

575.919 1394.103

698.713 1275.640

847.688 1298.401

1028.427 1132.406

1247.703 1102.462

1513.730 1003.949

1836.479 905.080

2228.042 821.572

2703.092 702.171

3279.429 708.791

3978.649 672.005

4826.952 655.421

5856.126 613.363

**Zone 19**

**TAU(us) Magnitudes**

11.856 1807.175

14.384 1800.380

17.451 1741.018

21.172 1815.325

25.686 1771.334

31.162 1789.460

37.807 1753.423

45.868 1778.366

55.647 1745.922

67.512 1729.720

81.907 1746.787

99.370 1697.701

120.557 1605.507

146.262 1659.392

177.447 1643.476

215.281 1579.503

261.182 1508.878

316.870 1448.388

384.431 1487.164

466.397 1413.524

565.839 1267.831

686.484 1215.806

832.853 1135.150

1010.428 1005.561

1225.866 919.399

1487.238 836.985

1804.337 809.304

2189.048 755.841

2655.783 648.761

3222.033 678.091

3909.016 670.476

4742.473 619.001

**Zone 20**

**TAU(us) Magnitudes**

10.262 1749.831

12.450 1751.317

15.104 1743.557

18.325 1791.539

22.232 1786.090

26.972 1810.303

32.723 1720.450

39.700 1703.942

48.164 1642.742

58.434 1751.007

70.892 1716.742

86.008 1713.546

104.346 1662.810

126.594 1631.558

153.585 1614.091

186.332 1578.385

226.060 1561.186

274.259 1461.700

332.735 1396.699

403.679 1285.612

489.749 1290.324

594.170 1168.446

720.856 1174.305

874.553 1074.836

1061.019 967.224

1287.244 881.873

1561.702 826.129

1894.679 767.909

2298.651 707.175

2788.755 632.975

3383.357 646.769

4104.736 611.959

**Zone 21**

**TAU(us) Magnitudes**

9.475 1751.563

11.495 1775.119

13.946 1782.911

16.920 1738.706

20.527 1697.621

24.904 1708.192

30.214 1721.622

36.656 1692.276

44.472 1695.981

53.954 1687.381

65.458 1676.777

79.414 1597.796

96.346 1636.029

116.889 1593.911

141.811 1621.907

172.047 1528.122

208.730 1482.735

253.234 1447.336

307.227 1389.491

372.732 1359.262

452.204 1328.831

548.620 1230.481

665.593 1148.057

807.507 1024.087

979.679 976.350

1188.560 878.799

1441.978 825.403

1749.428 715.536

2122.430 704.158

2574.962 599.984

3123.980 655.679

3790.056 606.269

**Zone 22**

**TAU(us) Magnitudes**

7.155 1756.437

8.681 1721.408

10.532 1720.704

12.777 1768.695

15.502 1754.278

18.807 1739.119

22.817 1674.146

27.682 1674.854

33.584 1720.937

40.744 1654.645

49.431 1710.284

59.971 1693.378

72.757 1596.025

88.270 1584.976

107.091 1544.730

129.924 1487.026

157.626 1500.017

191.233 1402.325

232.007 1403.849

281.474 1327.304

341.489 1201.612

414.299 1074.495

502.633 1084.306

609.801 981.832

739.820 894.871

897.560 811.484

1088.932 736.700

1321.107 660.050

1602.786 640.893

1944.522 676.728

2359.122 605.234

2862.120 594.342

**Zone 23**

**TAU(us) Magnitudes**

6.635 1751.372

8.050 1674.171

9.766 1723.449

11.848 1689.945

14.374 1689.060

17.439 1673.227

21.157 1623.304

25.668 1704.901

31.141 1670.442

37.781 1591.967

45.836 1586.994

55.609 1684.783

67.466 1662.405

81.850 1537.126

99.302 1501.857

120.475 1502.203

146.161 1500.665

177.325 1461.059

215.133 1387.205

261.003 1277.118

316.652 1317.734

384.167 1177.275

466.077 1136.500

565.451 1022.395

686.013 934.911

832.280 888.948

1009.734 776.719

1225.024 769.320

1486.216 702.342

1803.098 689.455

2187.544 603.021

2653.959 585.950

**Zone 24**

**TAU(us) Magnitudes**

5.838 1696.525

7.083 1684.879

8.593 1694.783

10.425 1702.876

12.647 1613.559

15.344 1671.607

18.616 1656.421

22.585 1633.925

27.400 1666.775

33.242 1605.616

40.330 1599.742

48.929 1652.128

59.361 1626.968

72.018 1553.096

87.373 1520.111

106.002 1545.847

128.604 1470.885

156.024 1418.568

189.290 1338.104

229.649 1330.497

278.614 1220.961

338.018 1111.323

410.088 1094.459

497.525 992.926

603.604 929.846

732.301 882.283

888.438 787.589

1077.865 695.111

1307.681 657.369

1586.497 663.912

1924.761 610.485

2335.147 582.891

**Zone 25**

**TAU(us) Magnitudes**

5.142 1694.312

6.238 1615.039

7.568 1680.792

9.181 1686.263

11.139 1627.753

13.514 1677.165

16.396 1684.584

19.891 1642.113

24.132 1647.420

29.278 1665.099

35.520 1636.769

43.094 1586.927

52.282 1583.448

63.429 1539.755

76.953 1546.152

93.360 1549.483

113.266 1473.183

137.416 1409.936

166.715 1361.790

202.261 1312.199

245.386 1198.087

297.705 1149.438

361.180 1040.734

438.189 1006.243

531.617 881.130

644.965 843.288

782.481 717.832

949.317 707.814

1151.724 612.263

1397.288 616.073

1695.210 594.820

2056.652 574.876

**Zone 26**

**TAU(us) Magnitudes**

4.286 1672.915

5.200 1709.352

6.308 1625.180

7.653 1623.225

9.285 1612.645

11.265 1678.592

13.667 1630.276

16.581 1641.364

20.116 1605.479

24.405 1672.900

29.608 1537.959

35.921 1597.033

43.580 1578.050

52.872 1558.896

64.145 1575.963

77.822 1458.428

94.414 1471.188

114.545 1384.662

138.968 1346.513

168.597 1256.875

204.545 1173.444

248.157 1117.371

301.067 1072.503

365.259 912.019

443.137 938.473

537.620 805.475

652.248 778.912

791.316 679.550

960.036 668.140

1164.729 593.576

1413.066 644.635

1714.351 565.227

**Zone 27**

**TAU(us) Magnitudes**

3.855 1642.043

4.677 1634.995

5.674 1635.188

6.883 1689.524

8.351 1635.244

10.132 1640.695

12.292 1618.417

14.913 1602.925

18.092 1610.590

21.950 1589.455

26.629 1586.550

32.307 1578.181

39.196 1493.621

47.553 1550.309

57.692 1529.459

69.992 1481.944

84.916 1439.525

103.021 1395.065

124.986 1401.781

151.635 1289.107

183.966 1231.136

223.190 1161.259

270.777 1046.428

328.511 1074.554

398.554 877.642

483.531 861.834

586.626 748.215

711.703 700.248

863.449 723.894

1047.548 608.968

1270.900 636.593

1541.873 631.171

**Zone 28**

**TAU(us) Magnitudes**

3.726 1643.794

4.520 1605.803

5.484 1647.471

6.653 1630.264

8.072 1613.670

9.793 1605.930

11.881 1584.309

14.414 1613.230

17.487 1602.490

21.215 1596.006

25.739 1547.309

31.226 1548.679

37.884 1587.281

45.962 1457.650

55.762 1524.326

67.651 1456.832

82.075 1440.528

99.574 1393.816

120.805 1345.291

146.562 1321.201

177.811 1248.290

215.723 1195.681

261.718 1062.061

317.520 1009.408

385.220 929.620

467.354 869.658

567.001 761.348

687.893 742.188

834.561 733.737

1012.502 658.773

1228.381 591.766

1490.289 603.671

**Zone 29**

**TAU(us) Magnitudes**

3.631 1638.927

4.406 1622.677

5.345 1615.141

6.485 1546.684

7.867 1588.229

9.545 1533.340

11.580 1597.470

14.049 1584.338

17.044 1623.798

20.679 1602.889

25.088 1564.405

30.437 1534.523

36.926 1600.603

44.799 1532.239

54.351 1524.523

65.940 1496.205

79.999 1431.702

97.056 1390.686

117.749 1303.430

142.855 1307.523

173.314 1262.190

210.267 1112.298

255.098 1000.416

309.489 959.328

375.476 918.123

455.533 875.364

552.659 762.540

670.494 648.924

813.452 649.740

986.892 598.748

1197.311 574.890

1452.595 569.414

**Zone 30**

**TAU(us) Magnitudes**

3.231 1647.688

3.919 1615.870

4.755 1619.557

5.769 1569.612

6.999 1617.036

8.491 1528.737

10.302 1605.704

12.498 1610.875

15.163 1576.857

18.396 1553.977

22.318 1558.292

27.077 1541.290

32.850 1478.617

39.854 1545.872

48.351 1475.289

58.660 1467.370

71.167 1409.020

86.341 1375.229

104.750 1322.352

127.084 1203.280

154.181 1207.168

187.054 1131.689

226.937 982.596

275.323 939.457

334.025 903.442

405.244 800.218

491.648 768.827

596.474 699.121

723.651 631.943

877.944 630.198

1065.134 588.109

1292.235 533.686

**Zone 31**

**TAU(us) Magnitudes**

3.023 1544.615

3.668 1602.960

4.450 1617.680

5.399 1606.774

6.550 1573.795

7.946 1558.395

9.641 1580.286

11.696 1588.767

14.190 1565.540

17.215 1580.708

20.886 1550.086

25.339 1531.811

30.742 1475.134

37.296 1495.671

45.248 1514.672

54.896 1476.733

66.600 1423.182

80.800 1351.150

98.028 1406.373

118.929 1235.608

144.286 1214.103

175.050 1103.278

212.374 1011.992

257.655 947.424

312.590 869.991

379.239 763.004

460.098 749.028

558.197 694.419

677.213 671.909

821.604 615.181

996.781 574.668

1209.309 530.691

**Zone 32**

**TAU(us) Magnitudes**

2.977 1597.394

3.612 1614.176

4.382 1608.819

5.317 1590.432

6.450 1561.392

7.825 1556.761

9.494 1630.109

11.518 1534.299

13.974 1558.751

16.953 1549.817

20.568 1526.846

24.954 1549.944

30.274 1495.561

36.729 1517.168

44.560 1472.251

54.061 1505.172

65.587 1406.601

79.571 1356.516

96.537 1300.360

117.120 1270.963

142.092 1208.906

172.388 1116.858

209.143 1130.741

253.736 930.433

307.836 863.378

373.470 790.787

453.099 735.326

549.707 733.154

666.912 666.023

809.107 536.078

981.620 612.569

1190.915 520.483

**Zone 33**

**TAU(us) Magnitudes**

2.671 1539.198

3.240 1552.621

3.931 1602.857

4.769 1605.753

5.786 1583.714

7.019 1568.852

8.516 1600.101

10.332 1605.850

12.534 1504.151

15.207 1525.955

18.449 1432.752

22.383 1472.305

27.155 1540.574

32.945 1522.888

39.969 1512.838

48.491 1404.644

58.830 1443.163

71.374 1356.603

86.592 1290.183

105.054 1272.442

127.453 1227.258

154.628 1066.986

187.597 1048.674

227.595 915.327

276.122 881.319

334.995 772.970

406.421 664.553

493.075 668.889

598.206 622.271

725.751 633.758

880.492 602.800

1068.225 567.652

**Zone 34**

**TAU(us) Magnitudes**

2.565 1594.486

3.112 1603.590

3.776 1640.843

4.581 1497.563

5.558 1567.763

6.743 1535.675

8.181 1543.465

9.925 1569.424

12.041 1542.750

14.608 1537.873

17.723 1548.248

21.502 1510.322

26.087 1449.886

31.649 1512.324

38.397 1418.427

46.583 1461.467

56.515 1424.527

68.565 1385.322

83.184 1385.421

100.920 1257.276

122.438 1213.047

148.544 1116.305

180.215 1036.437

218.640 940.879

265.257 844.938

321.813 743.559

390.428 763.322

473.673 652.381

574.666 625.812

697.193 620.446

845.845 576.971

1026.191 545.567

**Zone 35**

**TAU(us) Magnitudes**

2.593 1579.504

3.146 1590.748

3.817 1570.227

4.631 1543.122

5.618 1559.539

6.816 1576.847

8.270 1578.833

10.033 1560.375

12.172 1532.388

14.767 1512.484

17.916 1561.055

21.736 1537.275

26.371 1468.702

31.993 1465.807

38.814 1508.599

47.090 1499.894

57.131 1390.276

69.312 1368.096

84.090 1361.148

102.019 1269.610

123.771 1203.818

150.161 1167.334

182.177 1009.880

221.020 938.634

268.144 910.464

325.316 797.490

394.678 751.196

478.829 659.225

580.922 643.484

704.783 566.904

855.052 630.887

1037.361 517.463

**Zone 36**

**TAU(us) Magnitudes**

2.343 1538.786

2.842 1611.964

3.448 1541.048

4.183 1558.730

5.075 1601.271

6.157 1626.951

7.470 1588.092

9.063 1545.930

10.995 1566.735

13.340 1536.627

16.184 1560.842

19.634 1528.884

23.821 1490.019

28.900 1494.679

35.062 1434.245

42.537 1482.838

51.607 1427.639

62.610 1382.130

75.959 1327.508

92.155 1229.475

111.804 1203.790

135.642 1093.455

164.563 961.733

199.650 931.971

242.218 864.917

293.862 785.507

356.517 714.687

432.532 724.540

524.754 618.172

636.639 608.197

772.379 593.903

937.061 523.209

**Zone 37**

**TAU(us) Magnitudes**

2.370 1581.949

2.875 1594.469

3.488 1564.244

4.232 1549.001

5.134 1549.969

6.229 1534.265

7.557 1530.921

9.168 1538.793

11.122 1535.957

13.494 1491.330

16.371 1493.840

19.862 1545.998

24.096 1475.421

29.234 1497.021

35.467 1476.279

43.029 1449.654

52.204 1409.872

63.334 1385.259

76.838 1359.248

93.221 1302.580

113.097 1222.311

137.211 1135.672

166.466 1023.952

201.959 941.427

245.019 862.867

297.261 804.857

360.641 777.963

437.535 664.818

530.823 670.267

644.002 615.352

781.313 578.554

947.900 565.402

**Zone 38**

**TAU(us) Magnitudes**

2.318 1551.810

2.812 1548.921

3.412 1602.050

4.139 1548.632

5.022 1567.677

6.093 1547.033

7.392 1550.408

8.968 1562.448

10.880 1514.370

13.199 1534.173

16.014 1542.375

19.428 1594.674

23.570 1547.000

28.596 1539.383

34.693 1509.638

42.090 1436.185

51.064 1427.614

61.952 1358.190

75.160 1361.226

91.186 1232.615

110.628 1174.385

134.215 1156.332

162.832 1023.000

197.550 936.285

239.670 832.154

290.771 775.718

352.768 752.092

427.983 678.645

519.235 580.652

629.943 544.395

764.256 569.063

927.206 566.049

**Zone 39**

**TAU(us) Magnitudes**

2.494 1515.591

3.026 1541.219

3.671 1549.017

4.454 1514.975

5.403 1573.233

6.555 1496.341

7.953 1546.691

9.649 1513.952

11.706 1503.479

14.202 1491.059

17.230 1529.705

20.904 1501.910

25.361 1531.923

30.768 1504.020

37.329 1473.558

45.288 1436.642

54.944 1431.479

66.658 1405.221

80.871 1377.249

98.114 1252.124

119.033 1226.950

144.412 1191.456

175.203 1030.632

212.559 898.111

257.879 867.968

312.863 831.330

379.569 737.975

460.499 715.803

558.684 623.247

677.803 574.376

822.320 636.879

997.650 533.539

**Zone 40**

**TAU(us) Magnitudes**

2.125 1550.437

2.578 1596.271

3.128 1513.244

3.795 1549.685

4.604 1589.223

5.585 1529.384

6.776 1575.079

8.221 1589.181

9.974 1469.345

12.101 1527.246

14.681 1512.201

17.811 1503.795

21.608 1482.481

26.215 1469.207

31.805 1403.113

38.586 1423.504

46.813 1403.377

56.794 1334.893

68.904 1254.760

83.595 1256.876

101.419 1172.036

123.043 1080.043

149.277 986.795

181.105 910.925

219.719 871.070

266.566 733.877

323.402 718.644

392.356 653.818

476.012 682.808

577.504 598.414

700.636 567.182

850.021 591.417