**Fig.1. right**

**Haribo Color Rado Jelly 323K**

**Zone 1**

**TAU(us) Magnitudes**

78038.231 3473.811

64323.549 3429.803

53019.128 3406.570

43701.381 3221.438

36021.164 3089.695

29690.692 2897.681

24472.757 2748.747

20171.839 2579.315

16626.777 2374.780

13704.735 2266.097

11296.222 2061.331

9310.989 1867.805

7674.647 1721.861

6325.880 1712.844

5214.150 1507.041

4297.799 1371.170

3542.491 1371.385

2919.922 1297.731

2406.766 1202.370

1983.793 1134.190

1635.155 1131.344

1347.788 1044.451

1110.924 1032.191

915.686 1003.310

754.761 953.175

622.117 1011.598

512.784 930.049

422.666 924.075

348.385 976.800

287.159 910.296

236.693 924.183

195.096 857.027

**Zone 2**

**TAU(us) Magnitudes**

67756.453 3051.727

55848.722 3004.542

46033.694 2972.239

37943.589 2902.847

31275.264 2796.710

25778.851 2636.809

21248.396 2580.859

17514.136 2407.006

14436.147 2264.244

11899.094 2011.382

9807.910 1940.617

8084.237 1737.602

6663.488 1590.051

5492.426 1470.264

4527.170 1428.500

3731.551 1352.633

3075.757 1176.972

2535.213 1147.303

2089.667 1084.649

1722.423 1010.763

1419.719 1037.727

1170.213 1017.263

964.556 959.179

795.042 938.165

655.319 912.066

540.151 888.000

445.223 898.964

366.978 849.563

302.484 850.529

249.325 835.591

205.508 784.356

169.391 834.262

**Zone 3**

**TAU(us) Magnitudes**

61937.218 2696.228

51052.178 2654.604

42080.109 2560.908

34684.819 2593.906

28589.201 2496.671

23564.845 2313.928

19423.486 2172.941

16009.942 2049.704

13196.305 1939.417

10877.145 1801.910

8965.562 1727.553

7389.926 1552.482

6091.197 1419.328

5020.711 1339.197

4138.356 1233.041

3411.068 1169.905

2811.596 1116.261

2317.478 1027.406

1910.197 945.643

1574.493 903.020

1297.787 895.557

1069.710 878.881

881.715 858.187

726.760 842.336

599.037 814.229

493.760 857.353

406.985 827.697

335.460 765.305

276.506 788.988

227.912 788.745

187.858 800.425

154.843 733.371

**Zone 4**

**TAU(us) Magnitudes**

53565.131 2318.770

44151.428 2255.048

36392.118 2220.336

29996.454 2175.761

24724.783 2163.917

20379.573 2097.499

16798.003 1913.434

13845.870 1890.912

11412.553 1736.010

9406.876 1584.716

7753.682 1453.670

6391.026 1440.673

5267.847 1338.289

4342.059 1248.813

3578.972 1180.556

2949.992 1115.002

2431.551 1032.589

2004.223 956.941

1651.995 971.783

1361.668 971.711

1122.364 892.047

925.116 890.069

762.534 809.103

628.524 825.629

518.065 820.579

427.019 772.755

351.973 862.343

290.116 759.097

239.130 805.168

197.105 795.143

162.465 761.929

133.913 806.127

**Zone 5**

**TAU(us) Magnitudes**

48409.668 2038.876

39902.002 2093.674

32889.500 1937.131

27109.396 1910.141

22345.106 1850.617

18418.108 1793.521

15181.252 1709.019

12513.251 1623.343

10314.134 1518.158

8501.496 1500.010

7007.416 1380.061

5775.911 1297.436

4760.834 1230.004

3924.151 1099.461

3234.508 1084.068

2666.066 1056.536

2197.523 965.737

1811.323 918.412

1492.996 983.237

1230.612 824.836

1014.340 828.953

836.077 813.289

689.142 811.096

568.030 784.091

468.203 781.405

385.919 766.926

318.097 835.862

262.193 811.655

216.115 796.096

178.134 758.340

146.828 759.056

121.024 730.452

**Zone 6**

**TAU(us) Magnitudes**

41879.739 1822.328

34519.663 1798.796

28453.070 1813.789

23452.638 1782.371

19330.999 1729.083

15933.709 1629.441

13133.469 1555.976

10825.352 1564.338

8922.871 1423.187

7354.738 1342.813

6062.193 1300.642

4996.804 1240.358

4118.650 1152.664

3394.826 1052.563

2798.209 1037.406

2306.443 1002.029

1901.101 923.274

1566.996 873.031

1291.607 860.438

1064.616 836.009

877.517 836.367

723.299 881.506

596.185 850.581

491.409 795.200

405.047 797.476

333.863 772.677

275.189 837.284

226.826 737.792

186.963 771.889

154.106 780.337

127.023 745.145

104.699 758.970

**Zone 7**

**TAU(us) Magnitudes**

89.216 2832.368

108.238 2864.250

131.316 2816.651

159.314 2802.057

193.282 2840.172

234.493 2872.490

284.490 2839.775

345.147 2820.567

418.738 2775.666

508.018 2773.861

616.335 2758.372

747.746 2705.424

907.176 2763.104

1100.599 2729.605

1335.262 2681.382

1619.959 2627.498

1965.357 2595.555

2384.399 2515.677

2892.786 2437.357

3509.568 2403.671

4257.857 2285.388

5165.692 2288.218

6267.090 2167.099

7603.322 2071.373

9224.456 2014.674

11191.240 1848.593

13577.369 1838.926

16472.254 1808.698

19984.370 1680.140

24245.317 1668.825

29414.759 1597.319

35686.398 1661.079

**Zone 8**

**TAU(us) Magnitudes**

71.994 2856.094

87.344 2772.639

105.967 2793.438

128.561 2831.800

155.972 2782.989

189.228 2762.773

229.574 2767.724

278.522 2715.448

337.907 2743.799

409.953 2675.913

497.361 2671.983

603.405 2664.345

732.060 2654.294

888.145 2688.569

1077.510 2629.248

1307.251 2596.815

1585.975 2466.395

1924.127 2468.556

2334.378 2352.455

2832.100 2318.441

3435.943 2214.216

4168.534 2124.769

5057.324 2012.510

6135.617 1920.067

7443.816 1890.946

9030.942 1802.700

10956.466 1716.101

13292.538 1639.568

16126.693 1559.138

19565.130 1537.049

23736.690 1514.926

28797.685 1489.319

**Zone 9**

**TAU(us) Magnitudes**

58.383 2761.882

70.831 2813.735

85.933 2798.262

104.255 2784.221

126.484 2769.122

153.452 2739.284

186.171 2756.120

225.865 2696.396

274.022 2745.123

332.448 2718.220

403.330 2672.092

489.326 2616.852

593.657 2664.799

720.233 2567.365

873.796 2553.720

1060.102 2417.003

1286.131 2445.995

1560.352 2434.061

1893.041 2363.048

2296.663 2253.735

2786.344 2241.920

3380.432 2053.189

4101.187 2000.926

4975.618 1946.788

6036.489 1819.872

7323.553 1701.738

8885.038 1594.096

10779.452 1555.366

13077.782 1544.111

15866.149 1400.396

19249.034 1399.919

23353.198 1496.306

**Zone 10**

**TAU(us) Magnitudes**

57.493 2783.614

69.751 2697.724

84.623 2728.475

102.666 2748.970

124.556 2724.438

151.113 2722.652

183.333 2676.767

222.422 2663.958

269.845 2634.974

327.380 2633.485

397.182 2658.578

481.866 2582.376

584.607 2578.001

709.253 2559.655

860.476 2507.404

1043.942 2506.231

1266.525 2414.097

1536.566 2388.308

1864.183 2276.556

2261.653 2244.028

2743.869 2177.779

3328.900 2076.443

4038.668 1968.507

4899.769 1884.045

5944.468 1787.833

7211.912 1664.840

8749.593 1571.930

10615.129 1472.482

12878.424 1416.127

15624.284 1356.826

18955.600 1275.549

22997.200 1260.029

**Zone 11**

**TAU(us) Magnitudes**

48.473 2671.134

58.808 2658.961

71.346 2705.913

86.558 2664.782

105.014 2680.323

127.404 2652.417

154.569 2656.841

187.525 2607.446

227.508 2626.319

276.016 2639.786

334.866 2555.632

406.264 2519.615

492.886 2512.704

597.976 2470.885

725.472 2444.900

880.153 2419.637

1067.814 2336.148

1295.487 2365.513

1571.703 2207.330

1906.813 2104.361

2313.372 2033.099

2806.615 2043.032

3405.025 1823.003

4131.024 1712.719

5011.816 1662.033

6080.405 1518.054

7376.833 1432.629

8949.677 1322.646

10857.873 1319.034

13172.924 1305.893

15981.576 1226.659

19389.072 1186.021

**Zone 12**

**TAU(us) Magnitudes**

41.835 2650.837

50.755 2644.488

61.576 2660.739

74.705 2655.769

90.633 2657.961

109.958 2659.511

133.402 2615.059

161.845 2625.465

196.353 2655.020

238.218 2579.462

289.010 2517.425

350.631 2506.244

425.390 2458.778

516.089 2462.867

626.127 2394.473

759.626 2363.724

921.589 2295.957

1118.084 2255.504

1356.476 2199.617

1645.695 2060.808

1996.581 2020.089

2422.280 1952.770

2938.744 1817.256

3565.325 1651.665

4325.502 1600.481

5247.760 1502.691

6366.656 1392.489

7724.116 1333.398

9371.006 1249.386

11369.036 1167.309

13793.074 1095.927

16733.951 1146.391

**Zone 13**

**TAU(us) Magnitudes**

35.189 2643.126

42.692 2588.961

51.794 2634.370

62.838 2560.935

76.236 2526.552

92.490 2602.730

112.210 2498.985

136.135 2613.796

165.161 2517.350

200.376 2581.511

243.098 2528.248

294.930 2499.789

357.814 2414.431

434.105 2323.975

526.662 2340.499

638.954 2327.255

775.187 2259.054

940.468 2183.117

1140.989 2142.573

1384.264 2115.447

1679.409 1935.480

2037.482 1864.472

2471.902 1768.554

2998.946 1655.923

3638.363 1551.648

4414.113 1448.609

5355.264 1329.515

6497.082 1266.583

7882.350 1270.463

9562.978 1152.272

11601.939 1126.970

14075.635 1098.565

**Zone 14**

**TAU(us) Magnitudes**

30.891 2640.225

37.478 2602.381

45.469 2513.557

55.163 2566.617

66.925 2586.275

81.194 2553.163

98.505 2543.625

119.508 2530.020

144.989 2526.037

175.903 2523.243

213.408 2445.140

258.909 2371.848

314.112 2363.422

381.085 2398.093

462.338 2343.983

560.915 2267.980

680.510 2227.015

825.605 2174.011

1001.635 2070.809

1215.198 1992.990

1474.295 1960.326

1788.635 1833.229

2169.997 1762.331

2632.671 1612.075

3193.993 1515.429

3874.998 1421.875

4701.201 1343.135

5703.563 1258.868

6919.643 1152.985

8395.008 1072.169

10184.941 1129.359

12356.513 976.690

**Zone 15**

**TAU(us) Magnitudes**

27.388 2562.657

33.227 2520.470

40.311 2472.043

48.906 2508.734

59.334 2537.404

71.985 2531.074

87.333 2511.334

105.954 2486.983

128.544 2475.707

155.952 2492.437

189.203 2429.495

229.544 2381.950

278.486 2472.224

337.863 2352.435

409.900 2325.835

497.296 2324.067

603.327 2230.309

731.965 2104.028

888.030 2070.628

1077.370 1958.088

1307.080 1906.697

1585.768 1756.985

1923.876 1693.732

2334.074 1620.211

2831.731 1416.827

3435.496 1387.655

4167.991 1312.192

5056.665 1205.939

6134.817 1124.027

7442.846 1073.129

9029.766 977.295

10955.038 989.797

**Zone 16**

**TAU(us) Magnitudes**

23.216 2514.989

28.167 2488.982

34.172 2482.832

41.458 2522.231

50.297 2472.517

61.021 2449.203

74.032 2542.202

89.817 2477.695

108.967 2440.103

132.200 2405.913

160.387 2379.594

194.584 2340.631

236.072 2316.567

286.406 2338.850

347.472 2267.396

421.558 2189.588

511.440 2158.112

620.486 2151.796

752.782 2013.538

913.286 1980.195

1108.011 1780.734

1344.255 1769.626

1630.869 1661.735

1978.593 1524.665

2400.456 1446.359

2912.267 1352.431

3533.203 1212.554

4286.532 1134.081

5200.480 1119.716

6309.296 1048.419

7654.526 989.719

9286.578 965.743

**Zone 17**

**TAU(us) Magnitudes**

20.878 2513.454

25.330 2502.119

30.730 2490.063

37.282 2407.417

45.231 2492.387

54.875 2428.951

66.576 2407.658

80.770 2422.502

97.992 2385.953

118.885 2433.195

144.233 2425.378

174.986 2363.606

212.295 2332.434

257.559 2276.743

312.474 2229.796

379.098 2237.833

459.927 2180.907

557.990 2071.678

676.962 1999.695

821.299 2005.549

996.412 1818.939

1208.861 1801.677

1466.607 1595.590

1779.308 1502.682

2158.681 1444.494

2618.943 1325.236

3177.338 1257.082

3854.791 1161.510

4676.686 1082.928

5673.821 1024.113

6883.559 955.165

8351.231 937.855

**Zone 18**

**TAU(us) Magnitudes**

18.726 2456.639

22.719 2471.496

27.563 2447.596

33.440 2420.271

40.569 2456.336

49.219 2424.403

59.714 2387.172

72.445 2381.197

87.892 2330.172

106.632 2395.807

129.367 2374.872

156.950 2302.439

190.414 2260.748

231.013 2280.431

280.268 2150.295

340.025 2240.235

412.523 2105.129

500.478 2019.077

607.187 2000.226

736.648 1863.409

893.712 1824.342

1084.264 1747.202

1315.444 1622.620

1595.915 1536.714

1936.187 1395.261

2349.009 1299.652

2849.851 1268.884

3457.479 1175.412

4194.662 1092.124

5089.022 997.937

6174.073 956.768

7490.472 903.810

**Zone 19**

**TAU(us) Magnitudes**

16.450 2389.112

19.958 2419.782

24.213 2452.932

29.375 2409.858

35.639 2362.411

43.237 2392.894

52.456 2404.523

63.641 2355.862

77.210 2367.838

93.672 2339.612

113.644 2293.524

137.875 2301.426

167.271 2242.586

202.936 2236.429

246.205 2221.112

298.699 2166.237

362.386 2112.808

439.652 2036.806

533.391 1948.066

647.118 1857.568

785.093 1772.100

952.485 1676.647

1155.569 1608.335

1401.952 1472.668

1700.868 1394.917

2063.517 1230.456

2503.487 1193.299

3037.266 1177.634

3684.854 1073.506

4470.516 952.444

5423.693 851.778

6580.100 953.813

**Zone 20**

**TAU(us) Magnitudes**

14.932 2381.935

18.115 2406.346

21.978 2351.222

26.664 2358.037

32.349 2351.767

39.246 2432.743

47.614 2335.705

57.766 2369.273

70.083 2386.648

85.025 2280.360

103.154 2335.851

125.148 2191.832

151.831 2254.344

184.203 2221.611

223.478 2183.718

271.127 2122.770

328.935 1997.598

399.068 1989.205

484.155 1912.992

587.384 1878.327

712.623 1739.170

864.564 1647.349

1048.901 1623.682

1272.541 1477.841

1543.865 1469.271

1873.039 1303.460

2272.397 1174.161

2756.904 1119.458

3344.714 995.368

4057.854 1009.921

4923.046 929.665

5972.708 870.102

**Zone 21**

**TAU(us) Magnitudes**

13.895 2472.527

16.857 2399.460

20.452 2339.003

24.812 2281.408

30.103 2346.054

36.521 2354.531

44.308 2328.931

53.755 2372.243

65.216 2334.813

79.121 2254.844

95.991 2289.421

116.457 2247.101

141.288 2274.103

171.412 2218.726

207.960 2094.279

252.300 2086.154

306.094 2057.621

371.357 2046.251

450.536 1975.649

546.596 1859.369

663.138 1735.730

804.529 1656.265

976.065 1557.677

1184.176 1472.955

1436.659 1354.432

1742.975 1297.604

2114.602 1233.051

2565.464 1076.926

3112.457 1017.873

3776.077 958.594

4581.189 902.051

5557.963 845.376

**Zone 22**

**TAU(us) Magnitudes**

12.661 2306.799

15.360 2356.595

18.635 2366.758

22.609 2360.673

27.429 2343.408

33.278 2376.133

40.373 2291.641

48.981 2255.155

59.424 2307.331

72.094 2245.145

87.466 2188.603

106.115 2161.085

128.740 2193.832

156.189 2156.760

189.491 2077.135

229.893 2088.839

278.909 2051.387

338.376 1985.797

410.523 1895.173

498.052 1807.658

604.244 1718.299

733.077 1642.697

889.379 1536.581

1079.007 1493.345

1309.067 1300.685

1588.178 1247.766

1926.800 1180.570

2337.621 1067.632

2836.035 1023.713

3440.717 960.978

4174.326 848.209

5064.351 853.480

**Zone 23**

**TAU(us) Magnitudes**

10.429 2306.249

12.652 2334.108

15.350 2357.324

18.623 2346.349

22.593 2325.180

27.411 2355.892

33.255 2287.019

40.345 2331.751

48.948 2262.304

59.384 2193.327

72.045 2254.895

87.407 2260.175

106.043 2135.054

128.653 2103.162

156.083 2080.947

189.362 2012.481

229.737 1967.214

278.720 1921.278

338.147 1854.693

410.245 1742.553

497.715 1693.010

603.835 1597.261

732.581 1477.752

888.777 1432.539

1078.277 1345.788

1308.181 1203.590

1587.103 1127.466

1925.496 1039.138

2336.039 1010.815

2834.115 912.802

3438.388 878.472

4171.500 827.233

**Zone 24**

**TAU(us) Magnitudes**

9.358 2277.985

11.354 2376.367

13.774 2320.456

16.711 2369.156

20.274 2231.276

24.597 2341.600

29.841 2275.372

36.204 2284.201

43.923 2245.299

53.288 2176.231

64.650 2244.199

78.434 2173.310

95.157 2237.893

115.446 2204.334

140.061 2066.954

169.924 2053.071

206.154 2000.385

250.109 1870.744

303.436 1861.778

368.132 1746.912

446.623 1723.049

541.850 1661.367

657.380 1555.877

797.542 1429.361

967.589 1392.576

1173.893 1238.118

1424.183 1156.829

1727.839 1056.691

2096.238 1046.166

2543.186 916.524

3085.429 871.319

3743.285 876.269

**Zone 25**

**TAU(us) Magnitudes**

8.989 2310.929

10.906 2308.890

13.231 2313.768

16.052 2253.566

19.475 2212.176

23.627 2185.331

28.665 2265.812

34.777 2219.910

42.191 2263.068

51.187 2237.439

62.101 2216.529

75.342 2174.376

91.406 2162.956

110.895 2114.625

134.539 2037.632

163.225 2053.113

198.027 2005.638

240.249 1890.129

291.473 1875.982

353.619 1797.557

429.016 1780.334

520.488 1675.240

631.463 1540.631

766.100 1440.472

929.444 1365.978

1127.614 1270.962

1368.037 1254.435

1659.722 1128.794

2013.598 1035.588

2442.925 947.777

2963.791 926.509

3595.712 895.478

**Zone 26**

**TAU(us) Magnitudes**

8.056 2291.055

9.774 2298.127

11.858 2270.190

14.386 2292.807

17.453 2231.846

21.174 2207.083

25.689 2264.115

31.166 2221.476

37.811 2232.204

45.873 2252.647

55.654 2227.636

67.521 2209.435

81.917 2140.038

99.383 2054.523

120.572 2015.868

146.280 2002.937

177.469 1932.259

215.308 1934.684

261.215 1901.629

316.909 1733.490

384.479 1707.705

466.455 1613.111

565.910 1510.267

686.570 1367.589

832.956 1382.155

1010.554 1251.446

1226.019 1125.048

1487.423 1092.903

1804.563 974.101

2189.321 932.708

2656.114 918.197

3222.435 835.468

**Zone 27**

**TAU(us) Magnitudes**

6.865 2275.905

8.328 2275.842

10.104 2264.085

12.258 2182.716

14.872 2284.824

18.043 2276.470

21.890 2233.885

26.557 2248.153

32.219 2240.334

39.089 2163.525

47.423 2199.170

57.534 2228.326

69.802 2129.794

84.684 2145.475

102.740 2031.510

124.646 2060.068

151.222 1936.755

183.465 1895.349

222.582 1797.617

270.039 1714.135

327.615 1620.672

397.468 1572.814

482.213 1535.175

585.028 1446.931

709.764 1346.751

861.096 1253.436

1044.693 1177.798

1267.437 1088.817

1537.672 1061.306

1865.525 955.742

2263.281 905.715

2745.845 853.609

**Zone 28**

**TAU(us) Magnitudes**

6.488 2249.619

7.871 2290.298

9.549 2284.717

11.585 2226.589

14.055 2196.925

17.052 2250.609

20.688 2227.560

25.098 2230.179

30.450 2242.873

36.942 2208.788

44.819 2229.047

54.375 2149.262

65.968 2156.417

80.033 2055.283

97.098 2049.712

117.800 2112.810

142.917 1983.937

173.389 1941.677

210.358 1865.307

255.209 1784.063

309.623 1701.505

375.639 1636.533

455.730 1524.604

552.898 1437.856

670.784 1360.517

813.805 1289.943

987.319 1173.989

1197.830 1126.844

1453.224 1032.861

1763.071 971.956

2138.983 920.594

2595.044 874.724

**Zone 29**

**TAU(us) Magnitudes**

5.892 2288.304

7.149 2280.495

8.673 2261.939

10.522 2276.995

12.765 2232.420

15.487 2250.778

18.789 2210.865

22.795 2202.633

27.655 2195.687

33.552 2167.063

40.706 2153.678

49.385 2139.385

59.914 2124.493

72.688 2125.446

88.187 2014.442

106.989 2007.303

129.801 1889.071

157.476 1915.422

191.052 1905.477

231.788 1771.960

281.208 1730.488

341.165 1570.512

413.907 1524.212

502.157 1439.819

609.224 1331.641

739.119 1250.328

896.710 1245.994

1087.901 1069.282

1319.857 1064.550

1601.269 991.152

1942.682 918.806

2356.889 856.425

**Zone 30**

**TAU(us) Magnitudes**

5.775 2220.039

7.006 2225.403

8.500 2263.268

10.312 2254.394

12.510 2151.784

15.178 2253.759

18.414 2217.355

22.340 2200.937

27.103 2204.011

32.882 2158.242

39.893 2192.872

48.399 2167.645

58.718 2102.279

71.238 2138.478

86.427 2072.635

104.854 2088.693

127.210 1997.858

154.333 1963.253

187.239 1851.062

227.161 1750.725

275.595 1713.450

334.356 1635.952

405.646 1517.844

492.135 1466.348

597.065 1357.682

724.368 1279.860

878.813 1243.915

1066.188 1172.395

1293.515 1026.219

1569.310 957.247

1903.909 920.973

2309.849 913.423

**Zone 31**

**TAU(us) Magnitudes**

5.192 2244.948

6.299 2249.253

7.643 2259.590

9.272 2260.670

11.249 2214.390

13.647 2197.959

16.557 2219.696

20.088 2207.675

24.371 2179.221

29.567 2129.057

35.871 2143.668

43.519 2137.648

52.798 2154.044

64.055 2111.832

77.712 2098.235

94.282 2045.611

114.384 1973.167

138.772 1946.966

168.360 1802.427

204.257 1806.441

247.807 1662.876

300.643 1618.213

364.744 1488.848

442.513 1440.271

536.863 1269.965

651.330 1297.592

790.202 1199.988

958.685 1164.700

1163.090 1087.008

1411.077 971.483

1711.938 975.968

2076.947 847.420

**Zone 32**

**TAU(us) Magnitudes**

4.982 2239.756

6.045 2221.001

7.333 2238.728

8.897 2201.236

10.794 2228.796

13.095 2227.905

15.888 2259.435

19.275 2225.726

23.385 2162.561

28.371 2116.497

34.420 2197.861

41.759 2187.113

50.662 2115.858

61.464 2098.627

74.569 2111.538

90.468 2082.144

109.757 1989.153

133.159 1899.036

161.550 1871.519

195.995 1806.200

237.784 1716.772

288.482 1682.463

349.991 1500.146

424.614 1407.278

515.147 1347.225

624.984 1228.778

758.239 1182.979

919.907 1124.373

1116.044 1034.804

1354.000 974.950

1642.692 906.228

1992.936 897.694

**Zone 33**

**TAU(us) Magnitudes**

4.763 2215.654

5.778 2220.761

7.010 2242.204

8.505 2175.692

10.318 2225.164

12.518 2222.441

15.187 2218.670

18.425 2195.901

22.354 2168.648

27.120 2169.702

32.903 2163.566

39.918 2123.829

48.429 2062.014

58.755 2130.294

71.282 2022.166

86.480 2048.209

104.919 1968.118

127.289 1921.649

154.429 1813.013

187.356 1806.596

227.302 1716.096

275.766 1610.445

334.564 1497.324

405.897 1461.142

492.440 1331.362

597.435 1302.003

724.817 1171.277

879.358 1138.529

1066.850 1058.583

1294.317 915.172

1570.284 953.888

1905.090 903.910

**Zone 34**

**TAU(us) Magnitudes**

4.033 2222.125

4.893 2242.952

5.937 2265.196

7.203 2233.466

8.738 2178.690

10.601 2191.553

12.862 2211.709

15.604 2235.910

18.931 2146.137

22.968 2143.810

27.865 2175.810

33.806 2144.432

41.013 2118.682

49.758 2100.736

60.367 2068.630

73.238 1959.795

88.854 1915.241

107.799 1927.380

130.783 1858.333

158.668 1806.996

192.498 1654.365

233.541 1598.637

283.335 1499.370

343.746 1467.266

417.038 1305.587

505.956 1291.471

613.833 1234.014

744.711 1157.825

903.494 1026.712

1096.131 1016.041

1329.842 988.381

1613.383 973.683

**Zone 35**

**TAU(us) Magnitudes**

4.492 2149.749

5.449 2213.105

6.611 2204.702

8.021 2243.435

9.731 2199.423

11.806 2155.613

14.323 2182.808

17.377 2190.638

21.082 2219.585

25.577 2211.095

31.030 2133.011

37.646 2224.626

45.673 2122.085

55.411 2133.635

67.225 2049.691

81.558 2071.889

98.948 2060.653

120.045 1960.269

145.640 1884.616

176.693 1840.348

214.366 1740.037

260.072 1696.901

315.523 1623.893

382.797 1485.173

464.414 1440.298

563.434 1336.940

683.566 1219.718

829.312 1180.034

1006.133 1069.982

1220.655 1026.118

1480.915 1001.459

1796.667 918.408

**Zone 36**

**TAU(us) Magnitudes**

4.259 2221.671

5.167 2192.449

6.269 2148.567

7.606 2225.844

9.228 2229.299

11.195 2183.656

13.582 2166.745

16.478 2203.983

19.991 2188.452

24.253 2168.985

29.425 2148.407

35.698 2145.613

43.310 2107.759

52.544 2049.476

63.747 2128.210

77.339 2079.793

93.828 1979.718

113.834 1888.949

138.105 1852.047

167.551 1810.288

203.275 1718.305

246.616 1579.997

299.198 1501.020

362.991 1443.241

440.386 1352.981

534.282 1278.344

648.198 1199.906

786.403 1162.809

954.075 1056.350

1157.498 1009.401

1404.292 968.153

1703.707 895.265

**Zone 37**

**TAU(us) Magnitudes**

4.151 2177.862

5.036 2248.073

6.110 2226.511

7.413 2151.879

8.994 2174.552

10.911 2201.050

13.238 2126.724

16.060 2165.834

19.485 2176.378

23.639 2192.246

28.679 2135.013

34.794 2098.255

42.212 2086.595

51.213 2058.129

62.132 2028.613

75.379 2014.820

91.451 1955.439

110.950 1949.091

134.606 1870.051

163.306 1755.299

198.125 1713.401

240.368 1639.080

291.618 1541.309

353.795 1404.614

429.229 1327.932

520.747 1331.141

631.777 1197.826

766.481 1122.011

929.906 1004.890

1128.174 1051.968

1368.717 968.926

1660.547 888.048

**Zone 38**

**TAU(us) Magnitudes**

4.366 2180.240

5.297 2224.017

6.426 2238.365

7.796 2229.049

9.459 2185.700

11.475 2176.459

13.922 2146.351

16.891 2145.496

20.492 2177.647

24.861 2135.336

30.162 2157.716

36.593 2109.719

44.395 2104.872

53.860 2070.677

65.344 2075.148

79.277 1993.240

96.179 2004.229

116.686 1966.023

141.565 1849.693

171.749 1817.065

208.368 1701.658

252.795 1589.067

306.695 1577.141

372.087 1473.582

451.421 1339.939

547.670 1202.741

664.441 1234.500

806.109 1156.301

977.982 1037.876

1186.502 985.133

1439.481 917.256

1746.398 849.974

**Zone 39**

**TAU(us) Magnitudes**

3.961 2237.196

4.806 2201.815

5.830 2169.291

7.073 2182.088

8.581 2248.408

10.411 2202.718

12.631 2179.932

15.324 2194.562

18.591 2187.518

22.555 2132.308

27.364 2165.052

33.199 2070.164

40.277 2116.430

48.865 2057.106

59.283 2036.768

71.923 2019.774

87.258 1949.591

105.863 1855.743

128.434 1758.787

155.818 1795.532

189.041 1668.653

229.347 1561.651

278.247 1510.408

337.574 1390.262

409.549 1356.420

496.871 1259.251

602.810 1256.441

731.338 1171.711

887.270 1059.879

1076.448 984.594

1305.962 918.317

1584.411 875.938

**Zone 40**

**TAU(us) Magnitudes**

4.092 2182.500

4.964 2218.338

6.023 2154.930

7.307 2083.763

8.865 2157.099

10.755 2182.083

13.048 2203.486

15.830 2178.979

19.205 2102.865

23.300 2219.300

28.268 2154.427

34.295 2171.107

41.608 2032.325

50.479 2129.660

61.242 2004.498

74.300 2106.001

90.141 1914.939

109.361 1942.136

132.678 1851.614

160.967 1780.940

195.287 1718.695

236.925 1635.180

287.441 1576.657

348.727 1490.939

423.081 1353.188

513.288 1318.529

622.728 1173.484

755.502 1124.971

916.585 1135.548

1112.014 1058.118

1349.111 1002.832

1636.761 862.449