**Fig.1. right**

**Haribo Phantasia Jelly 323K**

**Zone 1**

**TAU(us) Magnitudes**

87199.631 2130.085

71874.896 2168.798

59243.377 2085.032

48831.761 2008.584

40249.915 1957.786

33176.269 1887.734

27345.768 1692.576

22539.938 1619.191

18578.699 1521.018

15313.620 1391.018

12622.357 1310.861

10404.064 1104.736

8575.622 1108.859

7068.515 937.970

5826.272 912.041

4802.345 880.593

3958.366 764.291

3262.710 769.774

2689.311 737.757

2216.683 699.044

1827.117 676.423

1506.013 654.183

1241.342 612.337

1023.185 600.676

843.367 615.511

695.151 576.044

572.983 587.457

472.285 496.715

389.284 495.211

320.870 562.505

264.480 553.200

217.999 547.447

**Zone 2**

**TAU(us) Magnitudes**

76042.890 1877.055

62678.875 1818.073

51663.494 1820.514

42583.990 1796.279

35100.147 1702.691

28931.538 1656.887

23847.019 1546.559

19656.070 1460.981

16201.651 1339.284

13354.322 1256.109

11007.392 1158.235

9072.918 1132.189

7478.415 998.146

6164.135 892.133

5080.831 857.952

4187.910 792.356

3451.914 730.553

2845.263 698.477

2345.228 676.592

1933.070 649.670

1593.347 595.598

1313.327 578.280

1082.519 604.153

892.273 578.995

735.463 562.001

606.210 502.992

499.673 552.630

411.859 532.620

339.477 520.104

279.817 517.426

230.641 511.304

190.107 513.198

**Zone 3**

**TAU(us) Magnitudes**

69675.075 1619.099

57430.160 1682.709

47337.204 1679.717

39018.016 1593.972

32160.869 1507.802

26508.817 1428.359

21850.075 1357.237

18010.075 1319.925

14844.928 1209.880

12236.034 1090.498

10085.635 1058.257

8313.154 977.010

6852.175 891.562

5647.952 833.609

4655.363 761.455

3837.215 700.035

3162.851 663.122

2607.002 647.439

2148.839 595.891

1771.195 579.366

1459.920 536.342

1203.349 503.043

991.869 566.553

817.555 521.162

673.875 490.998

555.446 483.736

457.830 501.239

377.370 514.400

311.050 489.553

256.385 479.993

211.327 455.369

174.188 508.176

**Zone 4**

**TAU(us) Magnitudes**

56280.444 1446.944

46389.543 1400.241

38236.900 1449.562

31517.028 1349.493

25978.127 1333.656

21412.650 1319.139

17649.524 1257.549

14547.742 1142.785

11991.076 1119.693

9883.727 1007.676

8146.730 942.738

6714.998 879.967

5534.884 870.520

4562.166 764.605

3760.397 728.904

3099.533 701.422

2554.811 691.025

2105.821 613.070

1735.737 641.973

1430.693 526.359

1179.259 568.779

972.012 561.807

801.188 534.695

660.385 564.472

544.326 474.898

448.665 501.663

369.815 468.453

304.823 471.289

251.252 441.245

207.096 461.536

170.701 504.934

140.701 450.643

**Zone 5**

**TAU(us) Magnitudes**

44945.207 1273.421

37046.396 1202.852

30535.747 1249.905

25169.300 1212.412

20745.968 1142.110

17100.007 1128.995

14094.799 1078.976

11617.735 1067.956

9575.998 977.751

7893.082 909.068

6505.927 894.522

5362.555 834.832

4420.123 745.568

3643.317 682.413

3003.029 664.495

2475.267 684.402

2040.256 637.915

1681.695 566.695

1386.149 532.559

1142.543 545.414

941.749 532.426

776.243 533.707

639.823 474.749

527.379 504.559

434.696 512.100

358.301 487.542

295.332 492.681

243.429 477.992

200.648 504.597

165.386 452.317

136.320 458.921

112.363 452.751

**Zone 6**

**TAU(us) Magnitudes**

44769.111 1092.604

36901.248 1142.538

30416.108 1133.147

25070.686 1071.737

20664.685 995.160

17033.009 1028.812

14039.575 941.376

11572.216 859.978

9538.479 839.313

7862.157 792.809

6480.437 763.268

5341.545 739.949

4402.805 675.733

3629.042 682.066

2991.263 598.985

2465.569 621.871

2032.262 533.372

1675.106 588.295

1380.718 531.380

1138.066 490.127

938.059 515.388

773.201 503.052

637.317 548.596

525.313 434.230

432.993 458.706

356.897 444.402

294.175 465.510

242.476 440.935

199.862 459.184

164.738 494.441

135.786 496.183

111.923 473.109

**Zone 7**

**TAU(us) Magnitudes**

85.992 1735.748

104.326 1765.778

126.570 1770.221

153.557 1737.861

186.297 1817.462

226.019 1708.743

274.209 1727.091

332.674 1726.469

403.605 1726.419

489.659 1741.964

594.061 1707.931

720.723 1659.267

874.392 1668.949

1060.824 1674.664

1287.007 1637.575

1561.415 1577.337

1894.330 1541.286

2298.228 1512.901

2788.242 1474.502

3382.734 1481.862

4103.981 1423.667

4979.007 1341.949

6040.601 1298.516

7328.542 1228.167

8891.090 1222.993

10786.795 1193.211

13086.691 1078.516

15876.957 1083.844

19262.147 1025.211

23369.106 1025.056

28351.727 986.945

34396.713 981.688

**Zone 8**

**TAU(us) Magnitudes**

78.610 1757.557

95.371 1731.333

115.706 1702.907

140.376 1728.282

170.306 1672.948

206.617 1693.331

250.671 1695.455

304.118 1704.260

368.960 1671.882

447.627 1686.153

543.068 1722.279

658.857 1618.865

799.335 1650.270

969.764 1603.180

1176.531 1604.767

1427.384 1608.011

1731.723 1483.640

2100.950 1516.526

2548.902 1441.925

3092.364 1476.401

3751.700 1392.270

4551.615 1328.489

5522.083 1254.548

6699.468 1198.122

8127.888 1197.450

9860.868 1104.629

11963.343 1016.721

14514.096 996.362

17608.705 929.601

21363.127 931.281

25918.045 885.789

31444.136 901.207

**Zone 9**

**TAU(us) Magnitudes**

57.462 1755.785

69.714 1726.599

84.578 1677.137

102.611 1693.607

124.489 1702.348

151.032 1686.662

183.234 1684.470

222.302 1670.171

269.700 1704.451

327.204 1654.270

396.968 1627.787

481.608 1644.756

584.293 1583.203

708.872 1558.770

860.014 1606.538

1043.381 1487.445

1265.845 1449.362

1535.740 1406.072

1863.182 1404.752

2260.438 1378.249

2742.395 1289.875

3327.112 1246.203

4036.499 1124.743

4897.138 1104.736

5941.276 1073.889

7208.039 1017.919

8744.895 964.230

10609.429 941.443

12871.507 877.735

15615.893 862.881

18945.421 816.044

22984.850 794.621

**Zone 10**

**TAU(us) Magnitudes**

46.203 1710.564

56.054 1686.892

68.006 1718.166

82.506 1697.683

100.097 1686.538

121.439 1665.953

147.331 1665.165

178.745 1669.528

216.855 1655.592

263.092 1651.365

319.187 1601.928

387.242 1542.005

469.808 1579.592

569.977 1512.811

691.504 1563.847

838.943 1535.994

1017.817 1483.815

1234.830 1440.200

1498.113 1379.606

1817.532 1328.815

2205.055 1267.778

2675.204 1216.347

3245.595 1199.688

3937.601 1103.859

4777.153 1057.983

5795.709 994.118

7031.435 947.327

8530.636 888.745

10349.487 848.256

12556.143 824.266

15233.288 782.568

18481.239 779.089

**Zone 11**

**TAU(us) Magnitudes**

44.027 1651.191

53.414 1618.606

64.803 1662.078

78.620 1624.799

95.383 1690.694

115.720 1655.850

140.393 1642.711

170.327 1645.265

206.643 1600.672

250.702 1608.026

304.155 1568.653

369.005 1585.536

447.682 1607.981

543.134 1549.395

658.938 1509.181

799.433 1490.379

969.883 1457.669

1176.675 1416.341

1427.559 1374.120

1731.935 1380.007

2101.207 1289.165

2549.214 1204.114

3092.742 1145.681

3752.158 1104.467

4552.171 1072.820

5522.758 1019.067

6700.287 925.109

8128.882 902.815

9862.074 802.696

11964.807 756.498

14515.871 754.183

17610.858 743.461

**Zone 12**

**TAU(us) Magnitudes**

38.241 1640.563

46.395 1637.048

56.287 1663.390

68.288 1688.470

82.848 1618.905

100.513 1633.129

121.943 1608.817

147.943 1607.370

179.487 1610.033

217.756 1566.220

264.184 1576.965

320.512 1556.342

388.850 1577.490

471.758 1533.967

572.344 1518.674

694.375 1468.449

842.426 1410.989

1022.043 1374.266

1239.957 1337.687

1504.333 1260.020

1825.078 1236.918

2214.210 1182.136

2686.311 1146.776

3259.070 1016.589

3953.949 960.865

4796.987 900.477

5819.771 862.541

7060.628 807.382

8566.053 725.770

10392.456 691.809

12608.273 678.497

15296.533 673.749

**Zone 13**

**TAU(us) Magnitudes**

31.718 1561.799

38.481 1613.089

46.686 1638.121

56.640 1607.970

68.716 1621.780

83.367 1622.929

101.142 1594.308

122.707 1597.051

148.870 1564.798

180.611 1516.126

219.120 1542.572

265.839 1526.133

322.520 1543.184

391.286 1511.206

474.713 1451.861

575.929 1417.862

698.725 1368.657

847.703 1339.496

1028.445 1287.903

1247.724 1276.962

1513.756 1187.560

1836.510 1089.571

2228.079 1054.789

2703.137 1046.192

3279.484 996.869

3978.716 880.785

4827.034 786.383

5856.225 759.860

7104.854 728.468

8619.709 703.723

10457.552 664.890

12687.248 647.540

**Zone 14**

**TAU(us) Magnitudes**

28.265 1599.158

34.292 1571.607

41.603 1556.286

50.473 1601.422

61.235 1554.340

74.291 1574.360

90.131 1547.985

109.349 1548.686

132.663 1573.194

160.949 1509.357

195.265 1532.886

236.899 1443.700

287.409 1494.906

348.688 1477.022

423.034 1422.058

513.230 1445.005

622.658 1375.586

755.418 1382.061

916.483 1295.418

1111.890 1233.431

1348.961 1190.635

1636.578 1120.626

1985.520 1031.794

2408.860 997.185

2922.463 928.858

3545.573 837.492

4301.539 787.882

5218.687 737.889

6331.384 751.451

7681.324 656.140

9319.090 612.952

11306.051 626.994

**Zone 15**

**TAU(us) Magnitudes**

23.757 1501.395

28.822 1604.004

34.968 1526.880

42.423 1575.791

51.469 1579.828

62.442 1573.994

75.756 1533.466

91.908 1515.873

111.504 1507.081

135.279 1495.065

164.122 1492.597

199.115 1480.378

241.569 1491.059

293.075 1396.356

355.563 1373.340

431.374 1367.057

523.349 1306.291

634.934 1306.129

770.311 1260.194

934.552 1154.556

1133.811 1151.058

1375.556 1069.137

1668.843 1049.337

2024.664 974.413

2456.351 907.752

2980.079 854.653

3615.474 762.074

4386.344 726.310

5321.573 684.683

6456.207 644.698

7832.761 609.681

9502.816 598.963

**Zone 16**

**TAU(us) Magnitudes**

21.719 1503.354

26.350 1548.010

31.969 1545.569

38.785 1577.691

47.054 1577.573

57.087 1503.696

69.259 1473.231

84.025 1504.429

101.941 1471.324

123.676 1501.070

150.046 1461.575

182.037 1454.372

220.850 1421.069

267.939 1451.181

325.067 1363.899

394.376 1366.770

478.462 1303.993

580.477 1266.426

704.243 1215.499

854.397 1177.945

1036.567 1151.273

1257.577 1128.397

1525.711 1075.141

1851.013 956.752

2245.675 923.237

2724.485 837.734

3305.383 773.718

4010.137 764.867

4865.155 666.073

5902.474 665.741

7160.964 575.134

8687.782 607.235

**Zone 17**

**TAU(us) Magnitudes**

19.008 1487.886

23.061 1495.920

27.978 1504.187

33.943 1504.997

41.180 1528.082

49.960 1498.514

60.612 1470.627

73.535 1466.872

89.214 1448.151

108.236 1464.602

131.313 1435.210

159.311 1390.663

193.279 1441.708

234.488 1373.511

284.484 1367.880

345.140 1333.607

418.729 1318.910

508.008 1290.475

616.323 1233.736

747.731 1155.642

907.158 1101.027

1100.577 1039.948

1335.235 1021.245

1619.926 912.064

1965.317 883.432

2384.350 809.635

2892.727 721.224

3509.497 709.856

4257.771 698.731

5165.587 619.452

6266.963 597.226

7603.167 562.473

**Zone 18**

**TAU(us) Magnitudes**

17.033 1487.027

20.665 1487.166

25.071 1502.701

30.416 1535.256

36.901 1476.540

44.769 1454.592

54.314 1454.735

65.895 1459.493

79.945 1462.794

96.990 1422.876

117.670 1402.367

142.758 1396.050

173.196 1403.525

210.124 1344.812

254.926 1318.895

309.279 1299.772

375.222 1279.476

455.225 1214.963

552.285 1197.548

670.040 1180.065

812.902 1079.034

986.224 1059.134

1196.501 1038.069

1451.611 962.165

1761.115 832.112

2136.610 790.790

2592.165 759.697

3144.851 655.009

3815.377 644.026

4628.869 633.033

5615.809 579.114

6813.178 557.890

**Zone 19**

**TAU(us) Magnitudes**

14.949 1445.129

18.136 1482.670

22.003 1488.558

26.694 1459.167

32.385 1431.921

39.290 1395.370

47.668 1412.003

57.831 1470.652

70.162 1450.363

85.121 1395.690

103.270 1350.723

125.288 1419.234

152.002 1333.800

184.411 1345.161

223.730 1315.089

271.432 1325.030

329.305 1232.161

399.517 1290.529

484.700 1189.246

588.045 1151.011

713.424 1090.752

865.536 1059.683

1050.081 926.442

1273.973 902.226

1545.602 823.801

1875.146 744.609

2274.953 715.939

2760.005 679.086

3348.477 624.498

4062.419 586.787

4928.583 606.770

5979.426 545.518

**Zone 20**

**TAU(us) Magnitudes**

13.307 1473.487

16.144 1432.017

19.586 1413.264

23.762 1493.286

28.829 1395.811

34.975 1491.811

42.432 1389.357

51.480 1445.403

62.456 1390.934

75.772 1414.656

91.928 1390.537

111.528 1373.889

135.307 1358.785

164.157 1304.276

199.157 1305.190

241.620 1282.625

293.137 1272.047

355.638 1225.354

431.465 1224.337

523.460 1153.410

635.069 1003.740

770.474 1014.514

934.750 979.063

1134.052 863.718

1375.848 821.276

1669.198 791.536

2025.095 687.625

2456.873 676.410

2980.713 636.543

3616.243 546.183

4387.276 560.813

5322.705 543.865

**Zone 21**

**TAU(us) Magnitudes**

10.673 1403.056

12.949 1465.279

15.710 1474.999

19.060 1434.966

23.123 1420.427

28.054 1465.057

34.035 1421.302

41.292 1410.871

50.096 1425.495

60.777 1419.139

73.735 1373.681

89.457 1384.551

108.530 1369.556

131.670 1309.354

159.744 1316.779

193.804 1283.688

235.126 1293.012

285.258 1227.181

346.079 1151.491

419.868 1104.272

509.389 999.782

617.998 1022.821

749.764 918.553

909.624 848.021

1103.569 837.059

1338.865 784.919

1624.330 661.066

1970.660 666.767

2390.832 607.334

2900.591 632.805

3519.038 576.729

4269.346 526.182

**Zone 22**

**TAU(us) Magnitudes**

9.969 1457.258

12.095 1421.978

14.673 1412.488

17.802 1414.620

21.598 1410.647

26.202 1419.318

31.789 1403.222

38.567 1369.268

46.790 1384.841

56.766 1384.157

68.870 1385.500

83.554 1382.952

101.369 1272.596

122.982 1329.876

149.203 1336.938

181.015 1278.720

219.610 1256.301

266.434 1175.071

323.242 1223.024

392.162 1134.951

475.776 1057.458

577.218 1006.047

700.289 945.711

849.601 923.627

1030.748 877.951

1250.517 814.326

1517.145 753.020

1840.622 704.998

2233.068 674.666

2709.190 587.241

3286.827 580.890

3987.625 580.181

**Zone 23**

**TAU(us) Magnitudes**

9.212 1407.461

11.176 1388.393

13.559 1442.199

16.450 1395.776

19.957 1372.983

24.212 1406.150

29.375 1403.296

35.638 1374.248

43.236 1364.423

52.455 1355.949

63.639 1329.098

77.207 1316.477

93.669 1317.548

113.640 1291.438

137.870 1314.558

167.266 1238.987

202.930 1152.897

246.197 1190.570

298.690 1160.621

362.374 1084.987

439.638 1061.290

533.375 980.326

647.098 934.835

785.068 890.645

952.455 826.875

1155.532 785.775

1401.908 710.007

1700.814 660.768

2063.452 627.539

2503.408 580.281

3037.170 526.846

3684.738 534.067

**Zone 24**

**TAU(us) Magnitudes**

8.115 1408.424

9.846 1398.570

11.945 1402.717

14.492 1394.243

17.582 1349.871

21.330 1404.675

25.878 1408.104

31.396 1388.128

38.090 1370.257

46.211 1384.194

56.064 1347.053

68.017 1338.165

82.520 1330.522

100.114 1261.941

121.460 1230.307

147.356 1268.756

178.775 1202.994

216.892 1198.001

263.137 1167.743

319.241 1147.323

387.308 1055.872

469.887 952.256

570.074 952.079

691.621 845.785

839.085 826.823

1017.989 724.039

1235.039 735.598

1498.366 698.334

1817.839 625.036

2205.428 581.240

2675.656 547.848

3246.144 558.334

**Zone 25**

**TAU(us) Magnitudes**

7.238 1427.129

8.782 1379.780

10.654 1343.906

12.926 1325.963

15.682 1416.916

19.025 1435.792

23.082 1379.311

28.003 1370.587

33.974 1368.857

41.218 1349.298

50.006 1301.197

60.668 1373.086

73.603 1321.944

89.296 1242.709

108.335 1277.733

131.434 1235.393

159.458 1212.288

193.456 1136.465

234.704 1133.954

284.746 1175.939

345.458 1033.213

419.114 968.868

508.475 885.526

616.890 886.385

748.419 914.548

907.992 766.111

1101.589 754.288

1336.463 654.165

1621.416 635.277

1967.125 604.702

2386.543 582.678

2895.388 562.727

**Zone 26**

**TAU(us) Magnitudes**

6.021 1381.836

7.305 1372.723

8.862 1422.501

10.752 1402.492

13.044 1398.995

15.825 1382.842

19.199 1423.706

23.293 1300.843

28.259 1375.768

34.284 1364.875

41.594 1313.395

50.463 1314.641

61.222 1338.974

74.275 1326.744

90.112 1269.870

109.325 1270.485

132.635 1172.299

160.914 1134.282

195.223 1180.598

236.848 1071.740

287.347 1049.729

348.614 1014.960

422.943 945.929

513.120 905.573

622.525 758.506

755.256 794.541

916.287 763.595

1111.652 690.776

1348.672 647.352

1636.227 644.219

1985.094 613.356

2408.344 558.919

**Zone 27**

**TAU(us) Magnitudes**

5.624 1413.797

6.823 1324.062

8.278 1344.565

10.043 1397.277

12.185 1342.236

14.783 1303.413

17.935 1332.964

21.758 1357.377

26.398 1317.674

32.026 1362.473

38.854 1350.376

47.139 1314.141

57.189 1321.939

69.383 1269.033

84.176 1324.039

102.124 1241.860

123.898 1192.839

150.315 1149.616

182.364 1132.060

221.247 1120.322

268.419 1066.078

325.650 1076.954

395.083 964.011

479.321 887.333

581.518 830.229

705.506 745.024

855.930 716.334

1038.427 671.003

1259.834 675.557

1528.448 637.603

1854.334 632.716

2249.704 570.030

**Zone 28**

**TAU(us) Magnitudes**

5.503 1362.358

6.676 1359.654

8.100 1348.450

9.827 1380.937

11.922 1302.997

14.464 1390.278

17.548 1357.417

21.290 1395.095

25.829 1327.170

31.336 1319.096

38.017 1350.040

46.123 1347.932

55.957 1327.801

67.888 1293.078

82.363 1291.533

99.924 1262.078

121.229 1172.432

147.076 1165.921

178.435 1144.593

216.480 1105.997

262.637 1054.729

318.635 1026.853

386.572 958.603

468.994 919.941

568.991 883.443

690.307 805.643

837.491 712.988

1016.055 703.164

1232.692 695.913

1495.520 633.839

1814.386 572.740

2201.238 588.469

**Zone 29**

**TAU(us) Magnitudes**

4.814 1374.544

5.841 1358.541

7.086 1347.646

8.597 1336.395

10.430 1318.685

12.654 1367.627

15.352 1337.737

18.625 1332.767

22.596 1339.399

27.414 1336.634

33.259 1289.374

40.350 1333.408

48.954 1319.434

59.391 1248.361

72.054 1228.677

87.417 1252.978

106.056 1183.133

128.668 1155.408

156.102 1145.684

189.385 1052.476

229.765 1018.349

278.754 965.330

338.188 926.654

410.295 883.476

497.775 831.341

603.908 755.939

732.669 700.381

888.885 650.029

1078.407 653.588

1308.339 600.411

1587.295 625.882

1925.729 532.691

**Zone 30**

**TAU(us) Magnitudes**

4.794 1387.643

5.816 1338.741

7.056 1410.277

8.561 1336.312

10.386 1354.162

12.601 1327.790

15.287 1289.916

18.547 1282.347

22.501 1399.108

27.299 1274.861

33.120 1317.308

40.181 1307.644

48.748 1362.965

59.142 1304.004

71.752 1238.681

87.050 1213.856

105.611 1192.092

128.129 1225.769

155.447 1140.715

188.591 1074.701

228.801 996.334

277.585 1047.136

336.770 923.111

408.574 933.038

495.687 821.925

601.375 785.027

729.597 762.390

885.157 721.157

1073.885 618.014

1302.852 653.363

1580.638 567.552

1917.652 551.428

**Zone 31**

**TAU(us) Magnitudes**

3.962 1389.839

4.807 1350.505

5.832 1363.547

7.076 1325.066

8.584 1308.199

10.415 1369.829

12.635 1314.168

15.329 1321.734

18.598 1295.516

22.563 1304.107

27.374 1281.286

33.210 1305.686

40.291 1272.570

48.881 1280.953

59.303 1273.729

71.948 1160.788

87.288 1221.155

105.899 1140.254

128.478 1121.573

155.872 1101.494

189.106 997.284

229.426 938.185

278.343 938.700

337.689 879.754

409.689 838.203

497.041 754.022

603.017 707.117

731.588 659.187

887.573 655.316

1076.816 696.266

1306.408 578.822

1584.953 589.568

**Zone 32**

**TAU(us) Magnitudes**

4.464 1333.545

5.416 1372.690

6.570 1345.199

7.971 1448.731

9.671 1304.817

11.733 1275.822

14.234 1369.976

17.269 1339.735

20.951 1335.149

25.418 1366.218

30.838 1404.174

37.413 1342.800

45.390 1288.583

55.068 1306.247

66.809 1283.322

81.054 1267.434

98.336 1219.940

119.302 1185.227

144.739 1175.991

175.600 1180.004

213.040 1081.876

258.463 1050.588

313.571 968.653

380.428 956.733

461.541 908.538

559.948 832.978

679.337 804.027

824.181 693.975

999.908 687.623

1213.103 621.922

1471.753 618.173

1785.551 607.537

**Zone 33**

**TAU(us) Magnitudes**

4.364 1372.179

5.295 1375.298

6.424 1341.074

7.794 1307.841

9.455 1311.203

11.471 1362.588

13.917 1340.787

16.884 1315.294

20.484 1305.551

24.852 1294.511

30.151 1303.016

36.579 1277.211

44.379 1294.191

53.841 1262.905

65.320 1271.530

79.247 1228.084

96.144 1170.284

116.643 1170.064

141.513 1100.552

171.686 1030.342

208.292 1053.846

252.703 994.565

306.583 981.722

371.950 869.663

451.255 839.434

547.469 778.328

664.197 726.638

805.814 714.081

977.624 629.336

1186.067 618.185

1438.954 608.851

1745.759 520.135

**Zone 34**

**TAU(us) Magnitudes**

4.329 1329.270

5.252 1293.630

6.372 1328.331

7.730 1347.507

9.378 1334.097

11.378 1314.251

13.804 1266.767

16.747 1273.157

20.317 1329.340

24.649 1273.011

29.905 1300.516

36.281 1273.505

44.017 1275.523

53.402 1288.836

64.788 1246.975

78.601 1215.138

95.360 1149.526

115.692 1172.295

140.359 1137.170

170.286 1094.069

206.593 1032.702

250.642 996.807

304.082 940.056

368.916 907.426

447.575 807.785

543.004 782.744

658.780 741.277

799.241 680.114

969.650 668.027

1176.393 641.398

1427.217 581.574

1731.519 580.825

**Zone 35**

**TAU(us) Magnitudes**

3.709 1324.043

4.500 1357.400

5.459 1325.862

6.623 1340.221

8.035 1339.744

9.748 1303.759

11.826 1330.804

14.348 1265.685

17.407 1278.688

21.119 1309.581

25.621 1321.360

31.084 1262.906

37.712 1248.085

45.753 1242.402

55.508 1230.194

67.343 1197.117

81.701 1176.578

99.121 1149.792

120.255 1137.858

145.895 1129.701

177.002 1021.112

214.741 953.294

260.527 902.698

316.075 851.675

383.467 833.503

465.227 765.729

564.420 774.404

684.762 725.903

830.763 642.844

1007.893 649.498

1222.790 616.842

1483.506 606.661

**Zone 36**

**TAU(us) Magnitudes**

3.354 1339.478

4.069 1358.788

4.937 1345.366

5.989 1359.177

7.266 1417.770

8.815 1323.295

10.695 1350.870

12.975 1345.736

15.742 1309.850

19.098 1309.695

23.170 1326.029

28.110 1281.131

34.104 1268.355

41.375 1278.001

50.197 1232.724

60.900 1247.944

73.885 1195.229

89.638 1151.792

108.750 1113.715

131.937 1103.375

160.068 1052.852

194.196 1003.574

235.602 942.334

285.835 889.730

346.780 873.797

420.718 824.439

510.421 744.572

619.250 684.479

751.282 683.280

911.466 650.780

1105.804 622.064

1341.577 594.650

**Zone 37**

**TAU(us) Magnitudes**

3.759 1352.818

4.561 1337.124

5.533 1276.112

6.713 1344.553

8.144 1301.925

9.880 1303.675

11.987 1338.057

14.543 1272.221

17.644 1264.717

21.406 1326.640

25.969 1245.284

31.507 1310.122

38.224 1271.561

46.374 1249.633

56.262 1237.067

68.258 1169.927

82.811 1203.811

100.467 1258.841

121.889 1158.932

147.877 1078.039

179.406 1097.223

217.658 1079.342

264.066 960.273

320.369 958.656

388.676 846.756

471.547 829.426

572.087 789.132

694.064 749.007

842.048 715.021

1021.585 657.633

1239.401 625.108

1503.659 638.058

**Zone 38**

**TAU(us) Magnitudes**

3.395 1336.788

4.119 1347.781

4.997 1357.113

6.063 1322.471

7.355 1357.182

8.923 1330.548

10.826 1288.079

13.134 1315.079

15.935 1272.693

19.332 1299.225

23.454 1341.372

28.455 1245.741

34.522 1252.677

41.883 1281.982

50.812 1252.507

61.646 1256.428

74.790 1214.699

90.737 1178.569

110.083 1137.819

133.554 1050.814

162.030 1038.685

196.577 993.272

238.490 934.317

289.339 879.231

351.030 804.839

425.875 818.939

516.677 731.676

626.840 697.034

760.491 682.943

922.639 650.011

1119.358 607.756

1358.021 597.195

**Zone 39**

**TAU(us) Magnitudes**

3.180 1334.536

3.858 1308.548

4.680 1347.561

5.678 1347.792

6.889 1351.127

8.358 1283.767

10.140 1330.915

12.302 1377.616

14.925 1328.416

18.107 1295.618

21.968 1261.717

26.651 1303.539

32.334 1269.935

39.228 1283.723

47.592 1255.656

57.739 1267.966

70.050 1219.022

84.985 1162.189

103.106 1147.428

125.089 1055.229

151.760 1061.823

184.117 975.307

223.374 953.972

271.000 900.302

328.781 805.506

398.882 792.005

483.929 805.265

587.109 743.630

712.289 663.365

864.159 610.996

1048.410 631.961

1271.946 600.335

**Zone 40**

**TAU(us) Magnitudes**

3.068 1361.356

3.722 1330.655

4.516 1315.245

5.478 1340.154

6.646 1282.546

8.064 1288.531

9.783 1297.154

11.869 1261.204

14.399 1295.125

17.469 1296.613

21.194 1337.367

25.713 1301.982

31.195 1292.386

37.846 1280.099

45.916 1235.203

55.706 1194.257

67.583 1238.167

81.992 1164.510

99.474 1118.066

120.683 1131.612

146.415 1032.207

177.633 1006.813

215.506 920.624

261.455 899.442

317.201 878.508

384.833 816.497

466.885 718.333

566.431 799.064

687.202 703.423

833.724 694.766

1011.485 634.175

1227.148 589.430