**Fig.1. left**

**Haribo Phantasia Jelly 298K**

**Zone 1**

**TAU(us) Magnitudes**

86882.776 1874.850

71613.726 1837.881

59028.106 1772.941

48654.323 1750.266

40103.660 1726.512

33055.718 1599.975

27246.403 1519.566

22458.035 1412.779

18511.190 1342.922

15257.976 1196.487

12576.491 1139.474

10366.260 985.924

8544.461 976.811

7042.831 805.195

5805.102 796.940

4784.895 739.583

3943.983 704.742

3250.855 728.638

2679.539 626.263

2208.629 621.002

1820.477 591.524

1500.541 558.439

1236.831 581.251

1019.467 571.466

840.302 561.097

692.625 524.738

570.901 557.147

470.569 487.063

387.870 462.977

319.704 530.574

263.519 491.071

217.207 533.745

**Zone 2**

**TAU(us) Magnitudes**

78595.688 1624.662

64783.036 1614.798

53397.863 1552.593

44013.556 1562.890

36278.477 1533.771

29902.784 1418.663

24647.575 1345.117

20315.934 1232.124

16745.548 1208.833

13802.633 1105.235

11376.915 1020.505

9377.501 911.927

7729.470 884.651

6371.068 833.248

5251.397 730.286

4328.500 742.528

3567.796 620.276

2940.780 645.056

2423.958 640.784

1997.964 562.128

1646.836 569.667

1357.416 562.783

1118.859 539.189

922.228 524.982

760.152 481.975

626.561 514.339

516.447 525.242

425.685 458.352

350.874 476.026

289.210 521.457

238.383 457.289

196.489 437.815

**Zone 3**

**TAU(us) Magnitudes**

67754.799 1414.503

55847.359 1411.831

46032.570 1403.307

37942.662 1344.648

31274.501 1308.782

25778.222 1275.042

21247.877 1233.853

17513.709 1213.447

14435.795 1047.991

11898.803 987.233

9807.671 902.349

8084.040 835.118

6663.326 801.626

5492.292 716.306

4527.059 645.068

3731.460 664.717

3075.681 640.024

2535.152 565.358

2089.616 577.941

1722.380 519.474

1419.684 541.260

1170.184 522.384

964.532 470.878

795.023 460.608

655.303 462.481

540.138 493.221

445.212 486.198

366.969 424.013

302.477 419.618

249.319 474.151

205.503 483.504

169.387 445.263

**Zone 4**

**TAU(us) Magnitudes**

57846.631 1225.524

47680.484 1239.967

39300.967 1218.416

32394.092 1219.282

26701.054 1142.846

22008.527 1145.881

18140.680 1039.969

14952.580 992.836

12324.767 940.138

10158.774 896.924

8373.439 845.864

6901.865 786.408

5688.910 732.413

4689.123 732.482

3865.042 668.839

3185.787 598.131

2625.907 597.467

2164.422 595.597

1784.040 511.986

1470.507 518.176

1212.076 478.919

999.062 478.587

823.483 485.418

678.762 503.306

559.474 513.366

461.150 469.020

380.106 415.257

313.305 437.435

258.244 450.985

212.859 454.132

175.451 469.988

144.617 480.752

**Zone 5**

**TAU(us) Magnitudes**

46434.419 1091.081

38273.889 1066.636

31547.517 1124.834

26003.258 1034.005

21433.364 1038.405

17666.598 963.638

14561.815 974.413

12002.676 900.007

9893.288 861.995

8154.611 814.677

6721.494 788.094

5540.238 729.110

4566.579 697.812

3764.034 649.256

3102.531 573.490

2557.283 568.885

2107.858 602.362

1737.416 516.164

1432.077 498.172

1180.400 486.877

972.952 508.740

801.963 469.861

661.023 449.367

544.853 440.341

449.099 444.018

370.173 507.384

305.118 457.387

251.495 464.293

207.297 413.377

170.866 410.316

140.837 427.922

116.086 423.516

**Zone 6**

**TAU(us) Magnitudes**

39952.353 925.565

32931.002 946.178

27143.605 1001.562

22373.303 930.709

18441.349 933.153

15200.409 870.668

12529.042 855.523

10327.149 845.321

8512.223 775.773

7016.259 726.592

5783.200 665.107

4766.842 647.447

3929.102 640.394

3238.590 594.925

2669.430 582.280

2200.296 538.264

1813.609 559.048

1494.880 517.564

1232.165 472.099

1015.620 487.466

837.132 473.540

690.012 465.313

568.747 474.076

468.794 457.547

386.406 436.359

318.498 487.884

262.524 397.541

216.387 459.219

178.359 458.908

147.013 460.094

121.177 458.676

99.881 452.125

**Zone 7**

**TAU(us) Magnitudes**

78.876 1496.255

95.693 1533.178

116.096 1581.519

140.849 1537.557

170.881 1529.548

207.315 1536.138

251.517 1507.633

305.144 1468.586

370.205 1485.635

449.138 1508.967

544.900 1488.394

661.081 1473.449

802.032 1463.275

973.037 1469.696

1180.502 1423.410

1432.202 1403.258

1737.567 1413.231

2108.041 1338.416

2557.505 1321.177

3102.800 1252.917

3764.361 1237.194

4566.975 1229.905

5540.719 1197.189

6722.077 1146.833

8155.319 1061.483

9894.147 1029.090

12003.718 999.012

14563.078 968.398

17668.131 919.534

21435.224 940.891

26005.514 905.613

31550.254 919.951

**Zone 8**

**TAU(us) Magnitudes**

70.318 1517.553

85.311 1543.294

103.500 1464.819

125.568 1497.370

152.340 1461.707

184.821 1538.005

224.228 1473.541

272.036 1510.067

330.038 1476.889

400.407 1466.508

485.780 1461.900

589.355 1468.670

715.013 1485.806

867.464 1395.997

1052.420 1464.362

1276.810 1383.381

1549.044 1439.039

1879.322 1306.087

2280.020 1305.370

2766.152 1224.013

3355.935 1235.905

4071.467 1155.284

4939.561 1139.793

5992.744 1040.744

7270.481 1033.524

8820.650 972.362

10701.336 951.835

12983.011 885.428

15751.171 889.910

19109.541 797.424

23183.964 840.294

28127.110 791.354

**Zone 9**

**TAU(us) Magnitudes**

63.933 1470.294

77.564 1493.666

94.102 1517.191

114.166 1455.336

138.508 1494.322

168.040 1451.250

203.868 1477.461

247.336 1445.528

300.072 1423.994

364.051 1424.233

441.672 1422.121

535.842 1449.668

650.091 1421.549

788.700 1365.749

956.862 1410.471

1160.878 1339.921

1408.394 1348.390

1708.683 1236.606

2072.999 1289.322

2514.991 1182.143

3051.222 1164.816

3701.785 1071.694

4491.058 1093.305

5448.615 1039.372

6610.336 968.482

8019.752 904.993

9729.675 884.985

11804.178 824.243

14320.995 747.136

17374.431 767.114

21078.904 740.357

25573.221 698.792

**Zone 10**

**TAU(us) Magnitudes**

54.524 1468.278

66.149 1478.441

80.253 1440.130

97.364 1440.301

118.124 1422.238

143.310 1402.617

173.865 1466.967

210.936 1490.413

255.910 1502.873

310.474 1425.792

376.671 1465.810

456.983 1406.204

554.418 1326.245

672.628 1287.470

816.041 1282.445

990.033 1310.764

1201.122 1278.004

1457.218 1261.243

1767.917 1155.945

2144.862 1195.179

2602.176 1156.712

3156.997 1075.775

3830.113 977.793

4646.746 992.488

5637.498 908.204

6839.491 831.057

8297.767 752.964

10066.967 785.017

12213.386 684.249

14817.451 696.129

17976.739 649.344

21809.631 662.785

**Zone 11**

**TAU(us) Magnitudes**

38.608 1454.222

46.840 1428.545

56.827 1437.290

68.943 1394.257

83.643 1475.755

101.476 1442.850

123.113 1449.155

149.362 1430.009

181.208 1453.856

219.844 1377.269

266.718 1413.277

323.586 1381.193

392.579 1354.451

476.282 1325.196

577.832 1285.332

701.034 1239.317

850.504 1314.024

1031.844 1245.015

1251.847 1192.693

1518.759 1148.334

1842.579 1061.031

2235.443 988.879

2712.071 918.402

3290.323 899.181

3991.866 798.470

4842.987 818.698

5875.580 729.174

7128.336 672.787

8648.197 671.941

10492.114 679.801

12729.180 683.684

15443.219 642.633

**Zone 12**

**TAU(us) Magnitudes**

31.717 1410.701

38.480 1434.379

46.684 1449.683

56.638 1421.254

68.714 1404.641

83.365 1417.572

101.140 1439.370

122.704 1432.054

148.866 1427.098

180.607 1327.651

219.114 1389.613

265.833 1391.539

322.512 1252.982

391.276 1348.577

474.702 1314.845

575.915 1263.832

698.708 1227.578

847.682 1170.464

1028.420 1169.586

1247.693 1149.221

1513.719 1108.735

1836.465 1012.435

2228.025 961.257

2703.071 937.421

3279.404 869.554

3978.619 829.823

4826.916 769.408

5856.082 750.158

7104.681 698.579

8619.499 668.409

10457.297 641.352

12686.939 619.387

**Zone 13**

**TAU(us) Magnitudes**

30.753 1390.210

37.310 1401.012

45.266 1392.576

54.917 1380.394

66.626 1359.512

80.831 1380.689

98.066 1345.744

118.975 1400.666

144.342 1377.887

175.118 1293.408

212.455 1357.392

257.753 1342.122

312.710 1327.968

379.384 1338.213

460.274 1289.529

558.411 1215.463

677.472 1238.380

821.919 1218.482

997.164 1186.699

1209.773 1113.810

1467.714 1091.116

1780.651 1057.857

2160.310 972.557

2620.919 881.094

3179.735 838.243

3857.700 798.247

4680.215 721.352

5678.103 676.680

6888.754 685.894

8357.533 618.844

10139.476 565.835

12301.354 601.540

**Zone 14**

**TAU(us) Magnitudes**

29.525 1393.999

35.820 1347.060

43.457 1326.325

52.723 1318.569

63.964 1359.720

77.602 1277.689

94.148 1338.987

114.221 1351.659

138.575 1324.350

168.121 1272.130

203.967 1345.795

247.455 1305.450

300.216 1269.169

364.226 1214.869

441.884 1256.201

536.100 1211.549

650.404 1193.588

789.080 1166.038

957.323 1159.944

1161.437 1031.219

1409.072 991.365

1709.506 965.609

2073.996 922.476

2516.202 887.389

3052.691 786.905

3703.568 769.098

4493.220 684.620

5451.238 645.960

6613.518 589.024

8023.613 563.360

9734.359 561.532

11809.861 508.828

**Zone 15**

**TAU(us) Magnitudes**

21.582 1347.939

26.184 1261.616

31.766 1294.761

38.539 1344.616

46.756 1363.114

56.726 1332.945

68.820 1324.782

83.494 1321.136

101.296 1322.109

122.893 1233.332

149.096 1294.978

180.885 1236.111

219.453 1320.781

266.243 1242.608

323.010 1219.922

391.880 1160.267

475.435 1200.733

576.804 1049.881

699.787 1088.917

848.991 1026.388

1030.008 937.998

1249.620 896.401

1516.056 884.431

1839.301 780.261

2231.465 780.211

2707.245 630.603

3284.468 619.497

3984.762 592.991

4834.369 556.454

5865.125 585.486

7115.651 544.424

8632.808 577.635

**Zone 16**

**TAU(us) Magnitudes**

19.269 1364.664

23.378 1342.011

28.362 1286.796

34.410 1316.132

41.746 1308.234

50.647 1279.596

61.446 1344.758

74.547 1334.173

90.441 1290.969

109.724 1300.137

133.119 1266.019

161.502 1279.829

195.937 1203.959

237.713 1171.879

288.397 1213.252

349.887 1166.319

424.488 1115.319

514.994 1071.874

624.798 1059.041

758.014 1006.365

919.634 1034.932

1115.712 958.776

1353.598 877.101

1642.204 841.860

1992.345 745.410

2417.141 703.439

2932.509 649.307

3557.761 627.057

4316.325 543.557

5236.626 553.841

6353.148 505.631

7707.729 491.344

**Zone 17**

**TAU(us) Magnitudes**

15.961 1302.075

19.364 1280.354

23.492 1281.912

28.501 1286.293

34.578 1312.027

41.951 1276.059

50.895 1270.333

61.747 1221.730

74.912 1299.805

90.885 1269.450

110.263 1236.916

133.772 1260.748

162.294 1250.134

196.898 1127.387

238.879 1192.264

289.811 1141.278

351.603 1142.846

426.570 1069.109

517.520 1069.964

627.863 1003.771

761.732 971.184

924.144 887.048

1121.184 812.688

1360.237 793.735

1650.258 713.248

2002.116 691.687

2428.996 618.597

2946.892 593.539

3575.210 626.242

4337.495 522.143

5262.310 515.415

6384.308 474.499

**Zone 18**

**TAU(us) Magnitudes**

13.627 1295.662

16.533 1263.547

20.058 1290.949

24.334 1298.594

29.523 1259.280

35.817 1263.164

43.454 1280.568

52.719 1285.639

63.960 1221.846

77.597 1263.756

94.142 1271.810

114.214 1206.801

138.566 1225.674

168.110 1189.238

203.953 1150.867

247.439 1119.311

300.197 1141.303

364.203 1102.777

441.856 1029.587

536.066 1014.269

650.363 966.772

789.029 927.124

957.261 849.041

1161.363 836.867

1408.981 714.407

1709.396 703.839

2073.863 627.547

2516.040 547.315

3052.495 552.963

3703.329 551.861

4492.931 540.789

5450.887 525.557

**Zone 19**

**TAU(us) Magnitudes**

10.792 1259.256

13.092 1245.286

15.884 1285.282

19.271 1322.203

23.379 1241.747

28.364 1257.050

34.412 1286.163

41.749 1253.853

50.650 1235.765

61.450 1250.102

74.552 1247.890

90.447 1213.865

109.732 1166.582

133.128 1116.568

161.513 1219.759

195.950 1149.082

237.729 1098.597

288.416 1022.007

349.910 997.807

424.516 1053.134

515.029 962.623

624.840 873.265

758.064 802.677

919.694 782.400

1115.786 725.183

1353.687 713.458

1642.312 666.603

1992.477 567.269

2417.300 593.403

2932.703 511.708

3557.996 518.252

4316.611 554.388

**Zone 20**

**TAU(us) Magnitudes**

10.746 1221.720

13.037 1237.803

15.817 1261.083

19.189 1230.600

23.281 1251.612

28.245 1211.717

34.267 1242.027

41.573 1295.009

50.437 1256.493

61.190 1224.831

74.237 1191.747

90.066 1177.697

109.269 1205.501

132.566 1211.519

160.831 1148.218

195.123 1128.856

236.726 1040.073

287.199 1046.517

348.434 1014.488

422.725 989.320

512.856 989.330

622.204 892.560

754.867 837.917

915.815 887.115

1111.079 753.725

1347.977 709.766

1635.384 671.738

1984.071 624.367

2407.103 608.414

2920.331 517.177

3542.987 485.987

4298.401 505.823

**Zone 21**

**TAU(us) Magnitudes**

9.317 1241.942

11.304 1179.670

13.714 1199.788

16.638 1221.050

20.185 1238.169

24.489 1208.434

29.710 1279.257

36.045 1205.185

43.730 1181.174

53.054 1190.183

64.366 1157.039

78.090 1126.888

94.739 1190.052

114.939 1197.995

139.446 1117.976

169.177 1152.575

205.248 1058.864

249.010 1013.362

302.103 1002.444

366.515 963.343

444.662 917.861

539.470 824.127

654.492 807.061

794.039 720.718

963.339 734.008

1168.737 662.848

1417.928 611.172

1720.250 537.382

2087.031 521.625

2532.016 477.173

3071.877 480.904

3726.844 490.934

**Zone 22**

**TAU(us) Magnitudes**

8.721 1256.241

10.581 1183.030

12.837 1178.808

15.574 1227.657

18.894 1208.134

22.923 1185.126

27.810 1152.289

33.740 1213.935

40.933 1124.108

49.661 1210.937

60.249 1205.015

73.095 1214.569

88.680 1135.992

107.588 1132.485

130.527 1077.151

158.357 1161.207

192.121 1048.947

233.084 1080.433

282.781 1029.702

343.074 964.225

416.223 939.252

504.967 860.550

612.633 818.572

743.255 709.567

901.727 704.379

1093.988 695.636

1327.242 621.345

1610.228 555.980

1953.552 532.418

2370.076 519.750

2875.410 492.505

3488.487 475.316

**Zone 23**

**TAU(us) Magnitudes**2

6.905 1211.578

8.377 1212.230

10.163 1166.788

12.330 1196.835

14.959 1172.922

18.148 1198.026

22.018 1222.870

26.712 1173.177

32.408 1163.702

39.318 1158.688

47.701 1181.333

57.871 1122.370

70.210 1120.197

85.180 1100.771

103.342 1127.200

125.375 1081.580

152.107 1018.870

184.539 974.677

223.885 914.067

271.620 927.822

329.534 893.053

399.795 852.115

485.037 776.759

588.453 715.360

713.920 704.274

866.137 623.960

1050.810 626.354

1274.857 487.571

1546.675 518.558

1876.447 510.049

2276.532 525.053

2761.921 453.065

**Zone 24**

**TAU(us) Magnitudes**

5.898 1176.512

7.155 1213.589

8.681 1236.042

10.532 1185.385

12.777 1202.598

15.502 1179.635

18.807 1203.811

22.817 1176.030

27.682 1136.682

33.584 1161.199

40.744 1167.504

49.431 1140.141

59.971 1089.610

72.758 1092.630

88.271 1089.805

107.091 1072.160

129.924 1086.817

157.626 981.423

191.234 1023.071

232.008 922.772

281.475 878.928

341.490 878.860

414.300 802.001

502.635 768.838

609.804 688.137

739.823 649.359

897.563 621.578

1088.936 605.428

1321.112 523.351

1602.792 537.110

1944.530 500.403

2359.131 492.281

**Zone 25**

**TAU(us) Magnitudes**

5.074 1219.201

6.156 1251.835

7.468 1175.144

9.061 1181.833

10.993 1142.102

13.336 1165.531

16.180 1200.899

19.630 1175.717

23.815 1177.116

28.892 1204.260

35.053 1166.411

42.526 1123.413

51.594 1176.183

62.594 1123.254

75.940 1082.338

92.132 1083.903

111.775 988.674

135.608 1010.535

164.521 1008.243

199.599 939.097

242.156 904.678

293.788 882.442

356.427 813.594

432.422 794.188

524.621 637.617

636.478 640.586

772.184 626.285

936.824 572.370

1136.568 584.222

1378.900 542.514

1672.901 487.190

2029.587 474.019

**Zone 26**

**TAU(us) Magnitudes**

4.369 1193.650

5.300 1128.190

6.430 1214.041

7.802 1194.125

9.465 1192.159

11.483 1131.977

13.931 1184.928

16.902 1162.805

20.505 1150.637

24.877 1135.171

30.182 1114.470

36.617 1141.729

44.424 1128.455

53.896 1086.100

65.387 1116.503

79.329 1059.379

96.243 976.430

116.763 1003.001

141.658 1012.477

171.862 888.796

208.505 898.316

252.962 841.857

306.897 816.948

372.331 770.443

451.718 706.092

548.030 636.615

664.878 632.630

806.639 595.721

978.626 548.176

1187.283 538.258

1440.428 484.917

1747.548 507.271

**Zone 27**

**TAU(us) Magnitudes**

3.830 1189.261

4.647 1182.217

5.638 1154.644

6.840 1181.069

8.298 1141.971

10.067 1212.224

12.214 1121.027

14.818 1128.170

17.978 1105.001

21.811 1162.042

26.461 1149.853

32.103 1125.481

38.948 1130.588

47.252 1125.863

57.327 1106.513

69.550 1063.576

84.379 1012.658

102.370 1048.209

124.196 958.773

150.676 947.674

182.803 871.911

221.779 855.059

269.065 769.208

326.434 758.057

396.034 662.097

480.474 644.608

582.918 666.236

707.204 594.549

857.990 521.331

1040.926 504.532

1262.866 520.804

1532.126 485.906

**Zone 28**

**TAU(us) Magnitudes**

3.691 1197.116

4.478 1109.209

5.433 1138.520

6.591 1135.388

7.997 1148.154

9.702 1154.521

11.770 1179.768

14.280 1177.520

17.324 1154.070

21.018 1178.782

25.500 1146.707

30.937 1169.057

37.533 1113.776

45.535 1147.400

55.244 1070.648

67.023 1077.930

81.313 1040.219

98.650 993.969

119.683 995.155

145.202 974.282

176.161 924.150

213.720 843.859

259.289 802.332

314.573 789.153

381.644 727.528

463.016 680.782

561.737 643.390

681.507 626.340

826.814 530.742

1003.103 558.099

1216.978 497.503

1476.455 524.817

**Zone 29**

**TAU(us) Magnitudes**

3.941 1179.335

4.782 1200.045

5.801 1158.376

7.038 1132.907

8.539 1138.775

10.360 1138.742

12.568 1115.629

15.248 1116.466

18.499 1207.274

22.444 1143.803

27.229 1116.226

33.034 1122.014

40.078 1065.729

48.623 1115.050

58.990 1092.670

71.567 1063.940

86.827 1053.968

105.339 1045.726

127.799 965.482

155.048 964.062

188.106 906.489

228.213 867.587

276.871 840.339

335.903 742.631

407.523 712.508

494.412 649.522

599.828 663.275

727.720 630.698

882.880 542.590

1071.122 519.463

1299.500 496.959

1576.572 454.939

**Zone 30**

**TAU(us) Magnitudes**

3.071 1133.336

3.725 1172.722

4.520 1117.745

5.483 1146.039

6.652 1158.969

8.071 1113.982

9.791 1115.926

11.879 1143.821

14.412 1151.896

17.485 1136.325

21.213 1074.223

25.735 1103.590

31.222 1072.713

37.880 1109.173

45.956 1055.045

55.754 1043.869

67.642 1045.006

82.064 1006.376

99.562 911.675

120.790 900.513

146.544 858.619

177.789 820.998

215.696 720.341

261.685 700.105

317.480 679.505

385.171 629.045

467.295 585.673

566.929 563.136

687.807 537.744

834.457 551.043

1012.374 499.396

1228.227 482.981

**Zone 31**

**TAU(us) Magnitudes**

3.522 1120.585

4.273 1132.072

5.184 1175.122

6.289 1155.598

7.630 1110.714

9.256 1150.295

11.230 1130.684

13.624 1072.589

16.529 1082.596

20.053 1145.209

24.329 1115.455

29.516 1106.580

35.810 1116.199

43.445 1083.010

52.708 1142.256

63.946 1111.562

77.580 1031.727

94.121 1049.728

114.189 1023.409

138.536 929.673

168.073 923.502

203.909 890.887

247.385 778.775

300.131 777.060

364.123 776.189

441.760 650.667

535.949 574.131

650.221 611.428

788.857 532.872

957.052 541.938

1161.109 485.245

1408.674 476.049

**Zone 32**

**TAU(us) Magnitudes**

3.082 1165.974

3.740 1137.851

4.537 1113.654

5.504 1089.583

6.678 1136.446

8.102 1109.948

9.829 1145.337

11.925 1169.338

14.467 1135.453

17.552 1080.397

21.294 1146.010

25.834 1077.280

31.342 1102.162

38.025 1027.465

46.132 1022.012

55.968 1082.369

67.901 1031.943

82.379 920.950

99.943 945.869

121.253 919.845

147.106 852.716

178.471 862.932

216.523 765.824

262.689 707.159

318.698 665.261

386.648 637.179

469.087 553.134

569.103 532.285

690.444 562.348

837.656 518.483

1016.256 504.495

1232.936 435.225

**Zone 33**

**TAU(us) Magnitudes**

3.043 1108.870

3.692 1087.993

4.479 1147.331

5.434 1157.722

6.592 1141.768

7.998 1137.988

9.703 1134.448

11.772 1117.757

14.282 1110.362

17.327 1110.981

21.022 1101.034

25.504 1125.265

30.942 1060.914

37.539 1086.224

45.542 1015.321

55.253 1047.890

67.033 1019.727

81.326 976.912

98.666 948.441

119.703 993.014

145.225 872.039

176.189 831.765

213.755 783.589

259.330 738.059

314.623 674.816

381.705 664.732

463.090 630.000

561.828 559.744

681.617 500.040

826.948 515.633

1003.265 485.122

1217.175 478.374

**Zone 34**

**TAU(us) Magnitudes**

2.803 1128.839

3.401 1176.413

4.126 1110.853

5.006 1172.886

6.073 1117.276

7.368 1125.147

8.939 1086.599

10.845 1091.593

13.157 1130.110

15.962 1144.679

19.366 1180.559

23.495 1132.875

28.504 1135.568

34.582 1100.493

41.955 1088.641

50.900 1076.640

61.753 1057.860

74.919 986.447

90.893 967.468

110.273 920.271

133.785 869.648

162.309 805.076

196.916 745.551

238.901 724.482

289.838 714.686

351.636 666.541

426.609 579.065

517.569 611.070

627.921 524.889

761.803 490.301

924.230 501.881

1121.289 467.290

**Zone 35**

**TAU(us) Magnitudes**

2.636 1077.736

3.198 1169.060

3.880 1153.030

4.708 1146.416

5.711 1070.109

6.929 1089.490

8.407 1149.404

10.199 1084.348

12.373 1110.707

15.012 1127.696

18.212 1010.379

22.095 1064.070

26.806 1105.338

32.522 1033.508

39.456 1061.084

47.869 1078.757

58.075 1040.042

70.457 991.238

85.480 1016.036

103.706 917.811

125.817 914.334

152.643 843.472

185.189 760.429

224.673 733.438

272.577 700.849

330.694 598.915

401.203 585.353

486.745 612.150

590.526 553.814

716.434 571.427

869.188 528.327

1054.511 473.789

**Zone 36**

**TAU(us) Magnitudes**

2.773 1116.547

3.365 1101.038

4.082 1045.699

4.952 1155.945

6.008 1125.498

7.289 1122.159

8.843 1098.408

10.729 1089.074

13.016 1092.284

15.792 1102.543

19.159 1097.170

23.244 1056.181

28.200 1132.491

34.212 1050.987

41.507 1075.529

50.356 1037.478

61.093 1042.712

74.119 973.741

89.922 947.630

109.095 957.237

132.355 938.666

160.575 816.705

194.812 805.990

236.349 744.215

286.742 657.309

347.879 634.310

422.052 607.953

512.039 553.525

621.213 562.707

753.664 472.245

914.356 549.454

1109.310 440.016

**Zone 37**

**TAU(us) Magnitudes**

2.638 1139.895

3.200 1102.116

3.882 1129.364

4.710 1092.675

5.714 1080.964

6.933 1159.400

8.411 1102.208

10.204 1105.323

12.379 1083.649

15.019 1121.234

18.221 1083.256

22.106 1100.018

26.820 1055.116

32.538 1054.827

39.475 1051.340

47.892 1016.626

58.104 995.047

70.492 969.680

85.522 974.701

103.756 922.768

125.879 859.724

152.718 821.981

185.279 788.747

224.783 763.144

272.710 697.331

330.856 623.927

401.399 599.269

486.983 532.297

590.815 515.883

716.785 525.819

869.613 482.770

1055.027 502.715

**Zone 38**

**TAU(us) Magnitudes**

2.723 1127.602

3.303 1072.782

4.007 1112.248

4.862 1070.355

5.898 1080.638

7.156 1081.368

8.682 1091.241

10.533 1113.580

12.778 1059.350

15.503 1128.611

18.808 1143.156

22.818 1071.951

27.684 1035.637

33.586 1103.308

40.747 1069.573

49.435 1021.726

59.975 1022.242

72.763 981.816

88.277 960.180

107.099 911.529

129.934 893.107

157.638 825.426

191.248 806.233

232.025 751.523

281.496 704.999

341.515 653.609

414.331 584.068

502.672 571.324

609.849 564.772

739.878 525.531

897.630 495.560

1089.017 494.739

**Zone 39**

**TAU(us) Magnitudes**

2.217 1087.630

2.690 1094.043

3.264 1094.974

3.960 1155.168

4.804 1135.995

5.828 1112.109

7.071 1111.232

8.579 1114.884

10.408 1122.887

12.627 1075.504

15.319 1116.012

18.585 1085.886

22.548 1088.618

27.356 1088.206

33.188 1029.140

40.265 1085.000

48.849 1007.440

59.265 992.748

71.901 974.197

87.231 882.135

105.830 783.654

128.395 791.593

155.770 730.947

188.983 774.840

229.276 671.467

278.161 629.790

337.469 567.708

409.422 564.271

496.717 565.808

602.624 506.699

731.112 463.235

886.995 548.779

**Zone 40**

**TAU(us) Magnitudes**

2.789 1122.179

3.384 1107.274

4.106 1115.673

4.981 1147.152

6.043 1099.078

7.332 1149.602

8.895 1037.256

10.791 1120.551

13.092 1117.664

15.883 1080.044

19.270 1125.803

23.379 1099.417

28.363 1072.801

34.411 1091.701

41.748 1107.879

50.649 1066.753

61.448 1039.024

74.549 1042.792

90.444 1014.551

109.728 1030.091

133.124 982.317

161.508 805.046

195.944 826.756

237.722 787.685

288.407 700.935

349.899 706.319

424.503 612.340

515.013 639.205

624.821 582.834

758.042 553.137

919.667 546.438

1115.752 444.798