**Fig.5. Right**

**Vidal Coke Jelly 323K**

**Zone 1**

**TAU(us) Magnitudes**

83311.191 1194.776

68669.822 1178.324

56601.573 1156.904

46654.236 1111.756

38455.075 1062.851

31696.860 999.586

26126.355 929.397

21534.828 877.946

17750.230 819.399

14630.749 752.863

12059.496 688.377

9940.122 624.030

8193.214 588.985

6753.313 541.865

5566.465 492.944

4588.197 457.532

3781.853 427.256

3117.218 401.008

2569.389 383.377

2117.836 370.525

1745.641 350.824

1438.857 334.619

1185.988 327.830

977.558 314.923

805.759 324.179

664.153 303.324

547.432 302.916

451.225 291.144

371.925 300.370

306.562 287.204

252.686 294.002

208.278 287.386

**Zone 2**

**TAU(us) Magnitudes**

70990.638 1054.818

58514.522 1052.173

48230.997 1036.254

39754.731 1001.122

32768.111 961.409

27009.341 931.386

22262.635 882.900

18350.130 825.901

15125.221 764.803

12467.067 697.747

10276.066 650.027

8470.118 597.686

6981.553 555.563

5754.593 507.568

4743.263 468.770

3909.667 421.258

3222.570 405.769

2656.226 369.990

2189.412 358.787

1804.638 338.634

1487.485 329.066

1226.070 309.371

1010.597 304.369

832.991 286.325

686.599 287.321

565.934 280.760

466.475 261.189

384.495 259.437

316.923 268.593

261.226 260.815

215.317 254.381

177.477 262.608

**Zone 3**

**TAU(us) Magnitudes**

62788.691 926.589

51754.011 916.143

42658.599 893.872

35161.644 870.902

28982.227 847.426

23888.800 797.845

19690.508 764.202

16230.037 718.283

13377.719 659.045

11026.677 622.540

9088.814 561.038

7491.518 526.025

6174.935 481.415

5089.733 438.357

4195.247 419.040

3457.961 387.948

2850.248 363.806

2349.337 333.814

1936.457 310.408

1596.138 311.578

1315.628 295.995

1084.415 280.572

893.837 279.361

736.751 269.196

607.272 258.985

500.548 250.895

412.580 247.895

340.072 245.920

280.307 247.016

231.045 238.319

190.440 248.194

156.972 238.923

**Zone 4**

**TAU(us) Magnitudes**

53972.670 804.446

44487.345 793.512

36669.000 781.096

30224.675 767.704

24912.897 750.348

20534.626 715.248

16925.807 673.898

13951.213 635.289

11499.383 595.161

9478.446 564.695

7812.674 514.772

6439.650 479.491

5307.926 445.186

4375.095 410.109

3606.202 386.003

2972.437 368.162

2450.051 345.234

2019.472 315.706

1664.563 307.573

1372.028 302.314

1130.903 291.697

932.155 281.486

768.335 268.379

633.306 266.482

522.006 264.619

430.267 256.528

354.651 252.927

292.323 248.917

240.950 248.225

198.604 245.116

163.701 240.153

134.932 248.044

**Zone 5**

**TAU(us) Magnitudes**

44687.211 703.845

36833.742 697.972

30360.465 671.775

25024.822 664.778

20626.882 644.789

17001.849 630.293

14013.891 603.499

11551.046 576.386

9521.029 540.156

7847.774 489.451

6468.582 474.665

5331.773 435.868

4394.751 410.308

3622.403 384.862

2985.791 353.005

2461.059 346.579

2028.545 330.046

1672.042 309.003

1378.192 304.955

1135.984 287.083

936.343 284.537

771.787 267.024

636.151 267.033

524.352 258.318

432.200 264.850

356.244 249.262

293.637 256.650

242.032 249.447

199.497 246.782

164.436 241.613

135.538 240.879

111.718 229.166

**Zone 6**

**TAU(us) Magnitudes**

37943.690 617.807

31275.348 620.851

25778.920 608.415

21248.453 590.672

17514.183 570.228

14436.186 561.518

11899.126 525.255

9807.936 512.961

8084.259 476.635

6663.506 456.483

5492.441 425.734

4527.182 403.007

3731.561 380.377

3075.765 356.051

2535.220 337.077

2089.673 321.668

1722.427 319.434

1419.722 292.549

1170.216 277.058

964.559 281.537

795.044 258.287

655.321 262.512

540.152 258.330

445.224 251.578

366.979 253.221

302.485 257.311

249.325 247.225

205.508 243.016

169.392 243.178

139.622 245.681

115.085 230.797

94.859 236.061

**Zone 7**

**TAU(us) Magnitudes**

84.132 1026.714

102.071 1021.156

123.833 1011.199

150.236 1007.699

182.269 1001.434

221.131 1007.078

268.280 997.714

325.480 976.755

394.877 995.392

479.071 985.647

581.216 982.518

705.139 972.230

855.484 963.988

1037.886 957.978

1259.177 939.911

1527.652 946.626

1853.368 915.009

2248.532 893.818

2727.951 867.757

3309.588 843.398

4015.239 836.996

4871.344 796.401

5909.983 772.881

7170.074 729.353

8698.835 708.608

10553.548 677.981

12803.713 634.958

15533.644 619.130

18845.634 587.781

22863.788 586.232

27738.668 570.607

33652.940 564.106

**Zone 8**

**TAU(us) Magnitudes**

69.668 996.765

84.523 992.119

102.544 1002.350

124.408 997.890

150.933 992.117

183.114 988.427

222.157 979.521

269.524 979.778

326.990 972.644

396.709 968.225

481.293 958.130

583.911 960.499

708.409 958.086

859.452 935.728

1042.699 922.435

1265.017 904.801

1534.736 874.899

1861.963 864.260

2258.960 832.974

2740.602 812.167

3324.936 796.332

4033.859 758.142

4893.935 718.901

5937.390 675.746

7203.325 651.867

8739.175 617.952

10602.490 575.536

12863.089 567.729

15605.680 549.789

18933.030 525.351

22969.817 519.339

27867.304 496.876

**Zone 9**

**TAU(us) Magnitudes**

60.686 977.246

73.626 991.185

89.324 975.915

108.369 974.337

131.474 967.710

159.507 963.556

193.516 972.913

234.776 961.532

284.833 961.228

345.564 955.593

419.243 943.618

508.632 934.285

617.079 927.006

748.649 908.390

908.271 908.370

1101.927 882.436

1336.874 883.701

1621.914 857.116

1967.729 829.288

2387.276 787.888

2896.277 763.558

3513.804 724.502

4262.996 689.601

5171.926 667.640

6274.653 620.990

7612.498 584.482

9235.589 552.406

11204.746 529.681

13593.754 521.399

16492.133 475.736

20008.487 471.631

24274.577 467.784

**Zone 10**

**TAU(us) Magnitudes**

48.614 975.312

58.979 969.741

71.554 967.079

86.810 971.581

105.319 959.358

127.775 947.777

155.018 952.104

188.070 947.752

228.169 942.259

276.818 940.559

335.840 931.167

407.445 918.578

494.318 904.420

599.714 900.124

727.581 883.586

882.712 872.848

1070.918 836.156

1299.253 828.550

1576.272 793.966

1912.356 763.496

2320.097 742.965

2814.774 693.065

3414.923 668.132

4143.032 612.091

5026.385 585.117

6098.081 544.605

7398.277 515.761

8975.693 486.893

10889.437 477.679

13211.217 452.017

16028.034 447.304

19445.436 433.670

**Zone 11**

**TAU(us) Magnitudes**

42.831 954.457

51.963 950.449

63.042 951.579

76.483 954.231

92.791 946.674

112.575 950.193

136.578 942.020

165.698 935.017

201.027 936.169

243.889 930.769

295.889 922.884

358.977 908.978

435.516 897.520

528.374 885.446

641.031 865.438

777.708 858.069

943.526 830.055

1144.699 811.183

1388.764 795.899

1684.868 760.765

2044.106 714.702

2479.938 693.029

3008.696 654.121

3650.192 615.143

4428.464 580.036

5372.674 531.761

6518.204 511.852

7907.976 473.053

9594.067 452.871

11639.657 425.047

14121.395 417.843

17132.274 398.777

**Zone 12**

**TAU(us) Magnitudes**

39.388 931.570

47.786 937.000

57.975 938.022

70.336 925.693

85.333 933.559

103.527 926.606

125.601 918.269

152.381 916.397

184.870 916.865

224.287 912.232

272.108 901.338

330.126 881.445

400.513 889.327

485.908 868.896

589.510 850.731

715.202 832.848

867.693 809.670

1052.698 791.796

1277.147 760.494

1549.453 743.453

1879.818 708.233

2280.622 676.191

2766.883 631.911

3356.821 598.175

4072.542 556.363

4940.865 516.662

5994.327 477.700

7272.401 447.655

8822.979 416.040

10704.162 395.776

12986.439 383.993

15755.330 369.219

**Zone 13**

**TAU(us) Magnitudes**

33.546 916.184

40.698 925.680

49.375 927.071

59.903 911.970

72.675 917.591

88.171 911.171

106.970 910.162

129.777 899.307

157.448 903.010

191.018 895.326

231.745 889.348

281.157 870.087

341.103 872.310

413.831 852.598

502.066 827.865

609.113 810.311

738.984 792.095

896.546 762.852

1087.703 747.212

1319.616 709.243

1600.977 670.347

1942.327 640.584

2356.459 612.506

2858.889 566.323

3468.444 527.616

4207.965 481.650

5105.162 456.214

6193.654 415.601

7514.227 397.487

9116.366 382.600

11060.103 350.709

13418.272 349.238

**Zone 14**

**TAU(us) Magnitudes**

28.644 903.990

34.751 906.740

42.160 898.053

51.150 895.125

62.055 904.729

75.286 899.950

91.339 890.722

110.813 881.919

134.440 875.731

163.105 877.301

197.881 872.894

240.072 852.369

291.259 841.898

353.359 832.208

428.700 809.400

520.105 794.335

630.998 785.328

765.536 758.811

928.759 733.414

1126.784 695.508

1367.030 660.918

1658.500 623.062

2012.115 587.565

2441.126 553.332

2961.609 522.854

3593.065 476.272

4359.157 444.808

5288.590 405.452

6416.192 386.388

7784.214 368.268

9443.917 351.997

11457.493 339.364

**Zone 15**

**TAU(us) Magnitudes**

25.501 885.221

30.938 888.275

37.535 897.053

45.538 889.375

55.247 881.672

67.027 884.459

81.318 883.929

98.656 877.610

119.691 880.102

145.210 867.205

176.171 858.359

213.734 846.074

259.305 829.210

314.592 820.660

381.667 810.654

463.044 793.339

561.772 761.713

681.549 730.320

826.865 721.919

1003.164 688.138

1217.053 661.381

1476.546 618.025

1791.366 585.705

2173.311 551.747

2636.691 519.230

3198.871 470.127

3880.915 443.201

4708.380 396.266

5712.273 381.707

6930.209 353.679

8407.827 332.917

10200.493 329.004

**Zone 16**

**TAU(us) Magnitudes**

22.511 886.539

27.310 876.361

33.133 874.521

40.198 874.407

48.769 860.879

59.167 869.856

71.782 858.381

87.087 859.026

105.655 862.726

128.182 835.726

155.513 835.732

188.670 828.012

228.897 814.396

277.701 804.933

336.911 790.868

408.745 768.489

495.895 745.843

601.627 723.208

729.903 711.970

885.528 680.045

1074.335 645.889

1303.398 601.772

1581.301 564.645

1918.457 535.928

2327.498 487.594

2823.754 461.305

3425.818 426.686

4156.250 389.997

5042.421 356.138

6117.535 337.856

7421.880 323.074

9004.328 318.333

**Zone 17**

**TAU(us) Magnitudes**

20.086 870.775

24.368 876.398

29.564 875.260

35.867 865.236

43.515 857.010

52.793 856.143

64.049 858.407

77.705 840.223

94.272 836.370

114.373 828.222

138.758 815.199

168.344 813.211

204.237 813.945

247.783 794.345

300.614 785.473

364.709 765.744

442.470 743.413

536.811 714.667

651.267 699.898

790.126 665.587

958.592 644.603

1162.977 601.372

1410.940 558.697

1711.772 517.804

2076.746 483.373

2519.537 444.074

3056.738 412.518

3708.477 384.921

4499.176 358.141

5458.463 329.518

6622.284 308.803

8034.248 306.166

**Zone 18**

**TAU(us) Magnitudes**

17.434 855.826

21.151 850.922

25.661 853.386

31.132 849.760

37.770 849.060

45.823 848.390

55.593 846.926

67.446 837.758

81.827 829.634

99.273 838.728

120.440 822.221

146.119 806.273

177.274 791.738

215.071 785.244

260.927 769.853

316.560 749.551

384.055 727.547

465.941 702.723

565.286 689.648

685.813 656.538

832.039 624.794

1009.441 585.782

1224.668 546.217

1485.784 509.034

1802.574 477.408

2186.908 449.095

2653.187 406.514

3218.884 378.839

3905.196 351.237

4737.838 326.723

5748.011 309.008

6973.568 302.115

**Zone 19**

**TAU(us) Magnitudes**

15.129 850.745

18.355 861.659

22.268 847.406

27.016 827.569

32.776 843.066

39.765 828.091

48.243 825.768

58.529 824.238

71.008 819.995

86.148 808.998

104.516 806.364

126.801 797.498

153.836 781.615

186.636 765.268

226.430 749.749

274.708 732.077

333.280 727.564

404.339 705.093

490.550 677.945

595.142 654.347

722.035 612.582

875.983 580.318

1062.755 549.733

1289.349 508.045

1564.256 462.012

1897.778 435.530

2302.411 403.571

2793.317 375.377

3388.891 353.454

4111.450 329.657

4988.069 305.693

6051.595 299.418

**Zone 20**

**TAU(us) Magnitudes**

13.718 837.157

16.643 828.601

20.192 829.381

24.497 835.288

29.720 834.053

36.057 823.415

43.745 829.691

53.072 821.224

64.388 792.873

78.116 798.266

94.772 803.983

114.978 781.138

139.493 775.860

169.235 762.680

205.318 759.593

249.095 736.579

302.206 716.144

366.640 695.143

444.813 677.415

539.653 648.232

654.715 616.454

794.309 578.223

963.667 538.750

1169.135 512.675

1418.411 479.771

1720.836 437.763

2087.742 408.369

2532.878 372.381

3072.923 347.621

3728.113 326.376

4522.999 308.438

5487.366 301.110

**Zone 21**

**TAU(us) Magnitudes**

12.594 832.056

15.279 816.459

18.536 813.723

22.489 818.099

27.283 827.671

33.101 816.458

40.158 817.146

48.721 795.979

59.108 810.965

71.711 791.805

87.001 792.818

105.551 777.110

128.056 761.776

155.359 770.877

188.484 737.282

228.671 725.546

277.427 702.866

336.579 691.908

408.342 659.717

495.406 640.402

601.034 605.835

729.182 573.170

884.654 540.371

1073.275 501.894

1302.112 470.257

1579.741 434.663

1916.563 397.443

2325.202 376.405

2820.967 340.186

3422.437 320.025

4152.148 292.944

5037.445 294.445

**Zone 22**

**TAU(us) Magnitudes**

11.132 807.094

13.505 809.975

16.385 807.021

19.878 815.194

24.117 820.604

29.259 807.941

35.497 798.896

43.066 795.020

52.248 798.640

63.388 796.413

76.903 786.267

93.300 775.615

113.193 764.026

137.327 742.522

166.607 731.460

202.130 711.089

245.228 684.416

297.513 683.460

360.948 648.010

437.907 627.473

531.274 597.570

644.550 561.919

781.977 534.691

948.705 498.349

1150.982 459.702

1396.388 428.781

1694.117 395.864

2055.327 368.842

2493.551 350.779

3025.211 323.603

3670.229 300.538

4452.773 283.737

**Zone 23**

**TAU(us) Magnitudes**

9.949 813.402

12.070 792.761

14.643 795.606

17.766 808.005

21.553 800.609

26.149 806.733

31.724 799.420

38.488 788.643

46.694 785.906

56.650 785.237

68.729 778.797

83.383 773.565

101.161 756.824

122.730 734.857

148.898 721.178

180.645 700.191

219.162 696.487

265.890 675.617

322.581 648.486

391.360 623.634

474.804 604.938

576.039 555.287

698.858 522.250

847.864 494.059

1028.641 467.498

1247.962 434.934

1514.044 410.475

1836.860 382.595

2228.504 341.343

2703.653 329.252

3280.109 296.664

3979.475 296.060

**Zone 24**

**TAU(us) Magnitudes**

9.213 800.395

11.177 802.952

13.560 801.515

16.451 785.765

19.959 798.686

24.215 792.298

29.377 792.683

35.641 772.198

43.240 780.127

52.460 772.227

63.645 765.805

77.215 755.644

93.678 755.004

113.652 725.445

137.884 727.026

167.282 705.855

202.949 689.546

246.221 666.745

298.719 648.859

362.410 619.447

439.681 592.936

533.427 560.616

647.161 519.457

785.145 504.951

952.548 458.820

1155.645 438.989

1402.045 406.028

1700.980 372.423

2063.653 334.730

2503.653 326.518

3037.467 310.788

3685.097 279.641

**Zone 25**

**TAU(us) Magnitudes**

8.757 797.267

10.624 790.855

12.889 781.798

15.637 795.480

18.971 794.558

23.016 793.900

27.924 773.201

33.877 773.642

41.100 777.225

49.864 765.416

60.495 771.048

73.394 746.115

89.042 739.857

108.027 730.671

131.060 725.924

159.004 689.798

192.906 680.589

234.036 670.485

283.936 643.931

344.475 613.473

417.922 588.178

507.029 563.221

615.135 527.642

746.290 501.379

905.410 462.002

1098.456 436.848

1332.662 396.626

1616.805 371.565

1961.530 342.087

2379.756 317.339

2887.153 304.823

3502.735 278.976

**Zone 26**

**TAU(us) Magnitudes**

7.867 783.786

9.544 776.192

11.579 797.974

14.048 782.387

17.043 776.078

20.677 775.911

25.086 775.241

30.435 768.091

36.924 773.764

44.797 767.182

54.348 748.762

65.936 741.169

79.994 721.729

97.050 715.657

117.742 713.867

142.846 696.322

173.303 681.030

210.254 650.399

255.083 622.992

309.470 607.058

375.454 582.606

455.506 543.595

552.626 516.344

670.453 489.401

813.403 446.141

986.832 422.742

1197.239 388.333

1452.507 369.837

1762.202 333.601

2137.928 316.125

2593.764 294.345

3146.791 281.738

**Zone 27**

**TAU(us) Magnitudes**

7.547 782.629

9.157 788.882

11.109 787.331

13.478 791.002

16.351 769.779

19.837 765.625

24.067 766.080

29.198 772.133

35.424 766.315

42.977 758.313

52.140 750.185

63.257 743.472

76.744 737.973

93.107 729.700

112.959 701.151

137.043 701.833

166.263 663.634

201.713 654.992

244.721 625.084

296.899 608.787

360.202 583.037

437.002 557.688

530.176 530.789

643.217 493.282

780.360 467.824

946.744 440.559

1148.603 398.603

1393.502 371.607

1690.616 345.030

2051.079 314.324

2488.397 305.070

3018.958 279.122

**Zone 28**

**TAU(us) Magnitudes**

7.162 774.290

8.689 781.151

10.541 778.816

12.789 777.615

15.515 769.618

18.823 785.076

22.837 766.515

27.706 771.181

33.613 762.341

40.780 751.827

49.475 737.656

60.024 721.183

72.822 735.671

88.348 721.113

107.185 701.329

130.039 689.817

157.765 674.700

191.403 654.230

232.212 621.274

281.723 604.889

341.791 575.313

414.665 552.726

503.077 519.879

610.341 500.269

740.474 468.082

898.353 426.132

1089.895 398.188

1322.276 353.689

1604.203 344.062

1946.242 317.762

2361.208 298.573

2864.651 281.293

**Zone 29**

**TAU(us) Magnitudes**

6.748 785.351

8.186 766.948

9.932 768.813

12.049 780.546

14.618 771.894

17.735 767.781

21.516 769.550

26.104 747.832

31.670 756.968

38.422 731.040

46.614 752.959

56.553 730.776

68.611 723.353

83.240 711.233

100.987 704.092

122.519 685.346

148.642 671.734

180.335 646.926

218.785 617.979

265.433 590.683

322.027 584.271

390.687 547.694

473.987 523.978

575.048 497.961

697.656 448.648

846.406 419.898

1026.872 394.392

1245.815 349.354

1511.441 339.818

1833.701 321.726

2224.672 307.346

2699.003 267.320

**Zone 30**

**TAU(us) Magnitudes**

6.170 773.567

7.486 777.513

9.082 761.212

11.018 775.228

13.367 773.841

16.217 758.005

19.675 756.822

23.870 748.616

28.960 743.680

35.134 745.945

42.625 742.574

51.714 732.890

62.740 722.074

76.117 708.512

92.346 691.432

112.035 680.032

135.923 661.536

164.903 651.799

200.063 616.967

242.719 596.566

294.470 568.195

357.256 541.026

433.428 518.082

525.840 477.556

637.957 448.859

773.978 427.185

939.001 385.790

1139.210 376.412

1382.105 347.308

1676.789 314.270

2034.304 291.202

2468.046 281.400

**Zone 31**

**TAU(us) Magnitudes**

5.947 779.003

7.215 767.209

8.754 766.028

10.620 756.255

12.884 761.489

15.632 766.712

18.964 750.553

23.008 757.374

27.913 751.966

33.865 752.210

41.086 735.346

49.846 726.049

60.473 731.305

73.367 709.506

89.010 699.908

107.988 680.067

131.013 654.777

158.946 645.475

192.836 617.069

233.951 601.386

283.833 566.294

344.350 552.977

417.771 526.391

506.845 503.821

614.912 454.340

746.019 421.395

905.081 402.549

1098.057 374.292

1332.178 343.248

1616.217 319.775

1960.817 296.620

2378.891 282.562

**Zone 32**

**TAU(us) Magnitudes**

5.294 776.628

6.423 771.926

7.792 774.496

9.453 753.434

11.469 761.538

13.914 762.724

16.881 763.461

20.480 751.937

24.847 756.092

30.144 741.152

36.572 732.529

44.369 725.419

53.829 720.702

65.306 710.041

79.231 699.323

96.124 685.736

116.619 660.714

141.483 649.253

171.649 627.875

208.247 601.863

252.649 573.302

306.517 538.240

371.871 511.593

451.159 483.838

547.352 445.853

664.055 429.205

805.641 396.259

977.415 369.810

1185.814 354.440

1438.646 321.238

1745.386 309.754

2117.526 290.166

**Zone 33**

**TAU(us) Magnitudes**

5.199 770.095

6.308 764.511

7.652 777.200

9.284 762.306

11.264 759.201

13.665 752.378

16.579 765.398

20.114 745.503

24.402 741.458

29.605 740.731

35.917 737.070

43.575 737.225

52.866 731.448

64.138 706.130

77.813 692.463

94.404 674.395

114.532 664.632

138.951 649.151

168.578 627.146

204.521 604.436

248.128 584.613

301.032 564.732

365.216 523.472

443.085 496.670

537.557 468.578

652.172 444.708

791.225 411.362

959.925 380.662

1164.594 359.022

1412.902 335.073

1714.152 309.203

2079.634 294.462

**Zone 34**

**TAU(us) Magnitudes**

5.266 761.305

6.389 778.662

7.751 763.953

9.404 762.375

11.409 735.895

13.842 758.403

16.793 755.831

20.374 753.524

24.718 737.587

29.988 737.789

36.382 737.120

44.139 726.294

53.550 727.497

64.967 704.030

78.819 698.416

95.625 682.318

116.013 658.312

140.749 652.239

170.758 621.413

207.166 598.263

251.337 578.650

304.926 555.415

369.940 520.218

448.817 505.753

544.511 472.137

660.608 441.170

801.459 417.756

972.341 372.988

1179.658 344.330

1431.177 330.177

1736.324 300.070

2106.533 293.790

**Zone 35**

**TAU(us) Magnitudes**

5.205 760.349

6.315 764.769

7.661 750.381

9.295 761.249

11.277 757.980

13.681 751.873

16.598 748.660

20.137 734.260

24.430 750.675

29.639 748.607

35.958 721.033

43.625 726.480

52.927 713.115

64.211 707.865

77.902 696.466

94.512 674.844

114.663 663.303

139.111 638.163

168.772 622.201

204.756 592.939

248.413 580.476

301.378 552.205

365.636 517.973

443.595 485.943

538.175 452.396

652.922 441.862

792.134 399.941

961.028 375.400

1165.933 351.082

1414.526 325.523

1716.123 297.849

2082.024 281.289

**Zone 36**

**TAU(us) Magnitudes**

5.018 761.966

6.088 752.926

7.386 770.177

8.961 763.363

10.872 758.108

13.190 753.559

16.002 751.066

19.414 748.930

23.553 746.431

28.575 743.538

34.667 736.253

42.059 719.759

51.026 713.143

61.905 701.648

75.105 683.538

91.118 671.452

110.546 655.084

134.115 646.273

162.711 618.612

197.403 600.320

239.492 571.847

290.555 540.677

352.505 517.312

427.664 500.295

518.848 463.873

629.474 443.205

763.687 394.130

926.515 374.754

1124.062 347.164

1363.727 327.191

1654.493 308.952

2007.254 282.267

**Zone 37**

**TAU(us) Magnitudes**

5.007 767.020

6.075 750.193

7.370 766.604

8.942 742.710

10.848 741.498

13.161 750.312

15.968 742.178

19.372 757.219

23.503 746.898

28.514 739.393

34.593 725.866

41.969 714.113

50.917 707.757

61.774 699.431

74.945 687.567

90.924 669.392

110.310 662.568

133.830 649.778

162.364 617.077

196.983 595.083

238.982 569.519

289.937 545.725

351.755 523.606

426.754 484.635

517.744 463.048

628.134 428.458

762.062 395.299

924.544 382.885

1121.669 347.622

1360.825 318.495

1650.972 302.159

2002.983 277.286

**Zone 38**

**TAU(us) Magnitudes**

5.036 763.197

6.110 765.768

7.413 758.254

8.993 742.463

10.911 762.963

13.237 751.709

16.059 762.106

19.483 744.547

23.637 740.511

28.677 729.851

34.792 732.096

42.210 716.584

51.209 706.121

62.128 700.170

75.374 704.679

91.445 677.911

110.943 653.252

134.597 646.265

163.295 619.811

198.112 593.846

240.353 570.239

291.599 552.657

353.772 519.635

429.201 500.452

520.713 457.132

631.736 429.099

766.431 394.715

929.845 372.973

1128.101 340.464

1368.629 317.581

1660.439 298.574

2014.468 278.592

**Zone 39**

**TAU(us) Magnitudes**

4.830 755.315

5.860 763.248

7.109 759.087

8.625 757.447

10.464 763.952

12.695 750.790

15.401 741.956

18.685 756.260

22.669 729.169

27.502 738.821

33.366 717.368

40.480 715.630

49.111 713.264

59.583 692.198

72.287 682.657

87.699 672.546

106.398 656.663

129.083 622.779

156.606 614.185

189.996 591.586

230.506 571.659

279.653 545.494

339.279 515.741

411.618 492.912

499.381 459.086

605.856 419.544

735.033 399.037

891.752 364.430

1081.886 339.151

1312.559 313.351

1592.415 305.746

1931.940 279.583

**Zone 40**

**TAU(us) Magnitudes**

4.669 759.786

5.664 760.699

6.872 747.528

8.337 747.787

10.114 745.710

12.271 752.216

14.887 739.331

18.061 734.741

21.912 741.046

26.584 741.392

32.252 725.639

39.129 719.421

47.472 716.867

57.594 699.458

69.873 686.544

84.771 665.446

102.846 655.268

124.774 620.955

151.378 607.726

183.653 594.277

222.811 565.065

270.317 550.140

327.953 514.196

397.877 495.565

482.710 455.749

585.630 422.653

710.495 397.573

861.982 381.448

1045.769 356.655

1268.742 325.959

1539.255 300.335

1867.446 276.608