**Fig.5. Right**

**Vidal Watermelon Jelly 323K**

**Zone 1**

**TAU(us) Magnitudes**

88318.148 655.538

72796.841 647.263

60003.297 629.966

49458.130 615.272

40766.204 582.742

33601.824 557.673

27696.535 507.356

22829.059 485.166

18817.009 437.203

15510.049 410.565

12784.265 380.181

10537.518 338.488

8685.622 323.700

7159.184 292.199

5901.006 270.515

4863.945 254.266

4009.140 239.616

3304.561 218.459

2723.807 214.971

2245.117 209.444

1850.553 199.436

1525.331 188.121

1257.265 185.548

1036.309 180.165

854.185 178.006

704.068 170.329

580.333 164.305

478.343 171.772

394.278 175.225

324.986 162.768

267.872 161.652

220.795 165.185

**Zone 2**

**TAU(us) Magnitudes**

77772.144 583.233

64104.225 565.440

52838.349 554.149

43552.372 544.077

35898.343 523.747

29589.456 506.975

24389.313 468.634

20103.059 431.444

16570.084 417.250

13658.006 379.899

11257.706 364.468

9279.241 325.051

7648.478 291.561

6304.311 272.246

5196.372 255.588

4283.145 238.780

3530.412 232.539

2909.966 212.970

2398.560 189.484

1977.029 191.608

1629.580 176.888

1343.193 172.967

1107.136 163.566

912.564 167.464

752.187 156.404

619.996 152.200

511.036 151.895

421.225 153.331

347.197 147.339

286.180 151.613

235.886 145.423

194.430 141.497

**Zone 3**

**TAU(us) Magnitudes**

74342.921 507.768

61277.664 506.207

50508.536 490.086

41632.008 468.147

34315.469 448.197

28284.762 432.718

23313.909 415.093

19216.650 380.682

15839.456 352.902

13055.781 328.104

10761.317 308.716

8870.090 287.000

7311.232 262.874

6026.334 234.530

4967.247 233.119

4094.287 215.410

3374.745 204.513

2781.656 185.563

2292.799 174.029

1889.856 165.122

1557.727 165.597

1283.967 160.823

1058.319 155.415

872.326 140.549

719.021 138.264

592.658 150.224

488.502 149.830

402.651 129.846

331.888 142.356

273.561 136.653

225.485 136.912

185.857 146.994

**Zone 4**

**TAU(us) Magnitudes**

55594.064 431.316

45823.790 430.134

37770.574 425.234

31132.656 411.589

25661.306 406.153

21151.508 378.747

17434.276 378.913

14370.322 357.753

11844.837 336.831

9763.188 322.064

8047.375 290.657

6633.104 263.619

5467.382 245.814

4506.527 233.105

3714.536 214.280

3061.732 203.024

2523.653 191.129

2080.139 175.356

1714.569 171.194

1413.245 162.385

1164.877 164.596

960.158 140.482

791.417 150.983

652.331 140.443

537.688 148.013

443.193 146.077

365.305 132.864

301.105 124.340

248.188 141.896

204.571 131.510

168.619 122.343

138.985 130.213

**Zone 5**

**TAU(us) Magnitudes**

54009.512 385.511

44517.712 366.780

36694.031 367.566

30245.307 364.231

24929.902 340.490

20548.644 327.745

16937.361 308.153

13960.736 293.653

11507.233 277.055

9484.916 266.328

7818.007 249.649

6444.046 227.928

5311.549 219.698

4378.081 214.508

3608.664 179.292

2974.466 174.495

2451.724 160.602

2020.850 164.581

1665.700 173.024

1372.964 140.366

1131.675 150.260

932.791 143.022

768.860 148.643

633.738 145.414

522.363 137.990

430.561 138.178

354.893 136.471

292.523 134.705

241.114 130.634

198.740 132.620

163.813 143.863

135.024 132.608

**Zone 6**

**TAU(us) Magnitudes**

52744.585 344.583

43475.087 333.272

35834.640 334.231

29536.948 316.327

24346.033 305.860

20067.385 310.406

16540.680 281.266

13633.769 268.079

11237.728 256.062

9262.775 239.111

7634.906 218.750

6293.124 211.538

5187.151 197.876

4275.544 193.263

3524.147 183.558

2904.802 182.137

2394.303 164.933

1973.521 162.016

1626.688 147.680

1340.809 148.998

1105.171 159.501

910.945 144.780

750.853 144.207

618.895 138.315

510.129 140.124

420.477 131.976

346.581 129.398

285.672 134.801

235.467 131.244

194.085 125.146

159.976 137.027

131.861 130.430

**Zone 7**

**TAU(us) Magnitudes**

107.117 560.086

129.956 559.604

157.665 549.936

191.281 560.895

232.065 562.354

281.545 557.510

341.574 544.247

414.402 544.412

502.758 543.300

609.954 550.031

740.004 540.250

897.784 537.020

1089.204 524.151

1321.437 530.073

1603.186 511.843

1945.008 517.474

2359.710 505.633

2862.834 489.132

3473.230 488.503

4213.771 458.963

5112.207 457.430

6202.201 431.783

7524.597 425.671

9128.946 404.905

11075.366 383.635

13436.789 369.517

16301.700 344.263

19777.451 340.998

23994.281 340.931

29110.198 333.181

35316.901 314.347

42846.959 317.215

**Zone 8**

**TAU(us) Magnitudes**

93.293 553.636

113.185 546.884

137.317 550.242

166.596 547.336

202.116 542.632

245.210 538.784

297.492 542.757

360.922 535.998

437.875 532.204

531.236 538.780

644.503 533.944

781.921 537.056

948.637 527.452

1150.900 526.862

1396.288 509.381

1693.996 503.457

2055.179 499.645

2493.372 483.735

3024.994 463.551

3669.965 448.697

4452.454 442.485

5401.779 423.838

6553.514 407.879

7950.815 391.507

9646.040 370.403

11702.711 355.850

14197.893 336.591

17225.083 327.649

20897.713 308.205

25353.398 307.940

30759.098 296.858

37317.368 288.864

**Zone 9**

**TAU(us) Magnitudes**

82.197 550.338

99.722 547.647

120.984 550.316

146.780 539.285

178.076 545.923

216.044 539.788

262.107 545.471

317.992 529.274

385.793 527.525

468.049 523.418

567.844 531.718

688.916 521.831

835.803 526.750

1014.007 508.512

1230.208 508.602

1492.506 480.958

1810.729 495.174

2196.801 472.686

2665.190 469.925

3233.446 449.373

3922.862 425.368

4759.272 410.280

5774.015 394.348

7005.116 380.225

8498.705 353.369

10310.748 334.593

12509.144 323.890

15176.269 304.296

18412.062 294.331

22337.771 283.686

27100.497 271.959

32878.703 268.903

**Zone 10**

**TAU(us) Magnitudes**

67.005 544.705

81.291 536.850

98.624 547.308

119.651 538.051

145.163 541.006

176.114 536.058

213.663 530.562

259.219 532.333

314.489 533.966

381.542 523.185

462.892 523.552

561.587 522.781

681.325 519.147

826.594 510.509

1002.835 488.955

1216.653 486.330

1476.061 460.014

1790.778 456.111

2172.597 452.329

2635.825 435.129

3197.820 414.111

3879.640 395.099

4706.833 376.600

5710.396 363.253

6927.932 340.666

8405.065 317.037

10197.142 311.383

12371.316 293.404

15009.054 277.789

18209.195 261.073

22091.650 255.107

26801.900 255.441

**Zone 11**

**TAU(us) Magnitudes**

65.115 528.800

78.998 541.432

95.842 534.799

116.277 535.561

141.068 536.030

171.146 532.515

207.637 534.798

251.908 516.271

305.618 525.006

370.780 519.138

449.836 511.763

545.747 517.550

662.108 499.625

803.279 489.086

974.549 483.063

1182.336 482.149

1434.427 456.686

1740.267 458.785

2111.317 450.683

2561.479 432.029

3107.622 409.913

3770.211 390.508

4574.072 386.706

5549.329 356.651

6732.523 351.063

8167.992 318.846

9909.522 297.336

12022.371 291.583

14585.709 263.887

17695.587 244.844

21468.534 239.407

26045.926 230.671

**Zone 12**

**TAU(us) Magnitudes**

58.546 524.217

71.028 524.329

86.173 520.564

104.546 529.586

126.837 515.485

153.880 530.083

186.689 513.079

226.494 523.519

274.786 507.329

333.374 514.126

404.454 508.606

490.689 511.095

595.311 493.272

722.240 483.498

876.232 482.872

1063.057 467.296

1289.715 465.928

1564.700 441.525

1898.316 434.032

2303.064 416.084

2794.110 404.004

3389.853 378.276

4112.617 365.252

4989.485 346.582

6053.313 322.497

7343.964 307.092

8909.800 281.512

10809.495 256.790

13114.230 257.125

15910.368 235.571

19302.682 237.651

23418.284 218.787

**Zone 13**

**TAU(us) Magnitudes**

54.857 515.663

66.553 523.167

80.743 516.035

97.959 523.155

118.845 523.877

144.184 516.357

174.926 510.583

212.223 503.796

257.472 509.861

312.369 510.479

378.970 487.501

459.772 509.042

557.801 490.099

676.733 480.395

821.021 471.786

996.075 463.574

1208.452 454.515

1466.111 442.432

1778.706 413.870

2157.951 411.234

2618.056 392.372

3176.263 372.828

3853.486 346.457

4675.104 352.590

5671.901 318.503

6881.230 297.437

8348.405 271.387

10128.402 258.954

12287.919 240.649

14907.876 227.871

18086.444 206.716

21942.727 209.964

**Zone 14**

**TAU(us) Magnitudes**

50.229 512.936

60.938 516.013

73.931 517.262

89.695 506.468

108.819 516.603

132.020 513.507

160.169 497.901

194.319 504.218

235.751 503.629

286.016 494.264

346.999 497.874

420.984 491.719

510.743 476.982

619.641 468.759

751.757 474.916

912.042 453.467

1106.502 439.298

1342.424 427.630

1628.648 430.051

1975.898 403.910

2397.187 375.218

2908.301 359.198

3528.392 355.995

4280.695 316.316

5193.399 306.869

6300.704 279.878

7644.103 251.302

9273.933 243.347

11251.265 233.251

13650.192 203.365

16560.605 194.703

20091.558 200.716

**Zone 15**

**TAU(us) Magnitudes**

41.342 509.822

50.156 512.389

60.850 516.031

73.824 500.456

89.565 512.848

108.661 498.959

131.829 506.640

159.937 514.246

194.038 493.391

235.410 505.191

285.602 484.363

346.497 484.909

420.375 472.677

510.004 465.181

618.745 461.313

750.670 438.705

910.723 432.445

1104.902 424.057

1340.482 406.555

1626.292 400.433

1973.040 372.707

2393.720 365.743

2904.094 331.681

3523.288 310.100

4274.502 291.187

5185.886 268.746

6291.590 255.855

7633.045 239.723

9260.517 230.002

11234.989 214.201

13630.446 191.185

16536.648 201.276

**Zone 16**

**TAU(us) Magnitudes**

41.086 501.252

49.846 508.602

60.474 507.596

73.368 497.282

89.012 501.387

107.990 504.262

131.015 492.000

158.949 492.139

192.839 498.881

233.955 495.638

283.838 487.385

344.356 480.294

417.778 478.283

506.854 470.446

614.922 456.428

746.032 459.575

905.097 447.244

1098.076 428.248

1332.202 419.057

1616.246 396.330

1960.852 374.189

2378.933 363.448

2886.155 336.689

3501.524 329.072

4248.098 304.665

5153.852 277.595

6252.725 251.574

7585.894 246.238

9203.313 218.662

11165.588 201.753

13546.248 199.532

16434.498 183.046

**Zone 17**

**TAU(us) Magnitudes**

39.548 497.562

47.981 491.075

58.211 503.535

70.622 506.735

85.680 488.272

103.948 498.450

126.111 489.863

153.000 484.908

185.621 483.449

225.198 477.319

273.214 482.680

331.467 465.237

402.140 473.021

487.882 467.208

591.905 452.545

718.107 442.350

871.218 437.246

1056.974 425.121

1282.335 413.212

1555.747 382.349

1887.455 374.303

2289.886 353.197

2778.122 329.515

3370.457 309.820

4089.085 286.062

4960.936 270.943

6018.677 254.497

7301.943 233.192

8858.819 213.641

10747.644 204.642

13039.192 189.376

15819.331 172.546

**Zone 18**

**TAU(us) Magnitudes**

34.842 490.818

42.270 506.634

51.283 498.546

62.217 504.088

75.483 493.126

91.577 497.258

111.102 483.841

134.791 480.824

163.530 479.848

198.397 476.082

240.697 474.770

292.018 464.645

354.280 464.031

429.817 451.915

521.460 450.970

632.643 434.297

767.531 421.497

931.180 417.948

1129.720 393.194

1370.592 384.376

1662.822 358.202

2017.359 341.968

2447.488 312.871

2969.327 310.725

3602.429 277.388

4370.517 261.350

5302.373 230.907

6432.913 223.971

7804.500 211.514

9468.529 193.310

11487.352 173.375

13936.617 174.340

**Zone 19**

**TAU(us) Magnitudes**

33.356 491.949

40.468 505.053

49.097 491.116

59.565 492.329

72.265 494.989

87.673 492.919

106.366 474.390

129.045 476.164

156.559 481.984

189.940 473.682

230.437 461.719

279.570 456.755

339.178 460.884

411.496 450.445

499.232 452.370

605.676 432.523

734.814 422.990

891.487 406.076

1081.564 400.715

1312.169 385.476

1591.942 367.219

1931.366 346.845

2343.160 328.681

2842.755 304.053

3448.870 291.578

4184.217 261.948

5076.351 237.777

6158.700 219.226

7471.821 202.536

9064.918 198.509

10997.686 181.863

13342.547 170.135

**Zone 20**

**TAU(us) Magnitudes**

29.807 484.414

36.163 489.657

43.873 482.258

53.228 481.973

64.577 484.335

78.345 482.340

95.049 468.660

115.315 472.211

139.902 472.234

169.731 477.214

205.920 471.826

249.826 466.338

303.092 464.428

367.715 456.136

446.117 431.646

541.236 432.516

656.635 412.398

796.639 406.564

966.493 390.990

1172.563 362.211

1422.570 352.707

1725.882 331.232

2093.864 312.882

2540.305 304.871

3081.934 277.203

3739.046 263.896

4536.263 246.777

5503.457 213.376

6676.872 207.584

8100.474 189.316

9827.609 184.180

11922.993 166.421

**Zone 21**

**TAU(us) Magnitudes**

26.811 483.422

32.528 495.089

39.463 490.442

47.877 487.361

58.085 480.266

70.470 485.816

85.495 474.585

103.723 478.829

125.839 476.035

152.669 475.817

185.220 461.670

224.712 461.164

272.624 451.987

330.751 450.389

401.271 433.646

486.828 420.848

590.627 425.390

716.557 403.671

869.337 380.919

1054.691 379.910

1279.566 359.475

1552.388 331.154

1883.379 321.311

2284.941 301.254

2772.123 275.588

3363.178 267.301

4080.255 241.748

4950.223 217.026

6005.679 212.860

7286.174 186.916

8839.689 184.397

10724.435 168.448

**Zone 22**

**TAU(us) Magnitudes**

24.231 478.677

29.397 474.006

35.665 475.346

43.269 488.402

52.495 484.723

63.687 478.975

77.266 473.601

93.740 476.115

113.727 470.934

137.975 470.792

167.393 466.757

203.084 471.294

246.384 448.816

298.917 443.486

362.650 445.693

439.973 426.188

533.781 416.237

647.590 394.217

785.666 394.535

953.181 377.013

1156.412 354.842

1402.976 339.856

1702.110 304.310

2065.023 298.318

2505.315 265.259

3039.483 260.462

3687.544 241.188

4473.780 217.611

5427.653 192.651

6584.904 192.466

7988.898 176.005

9692.243 171.997

**Zone 23**

**TAU(us) Magnitudes**

24.979 472.797

30.305 484.636

36.767 474.528

44.606 466.217

54.117 487.261

65.655 476.745

79.654 481.945

96.637 480.071

117.241 459.876

142.239 475.961

172.566 460.838

209.360 457.074

253.998 458.757

308.154 455.642

373.857 426.177

453.569 435.080

550.276 414.168

667.603 396.527

809.945 387.062

982.637 374.453

1192.149 365.050

1446.331 343.271

1754.709 321.217

2128.838 305.140

2582.736 289.283

3133.412 263.966

3801.499 252.567

4612.032 210.343

5595.382 200.380

6788.395 182.324

8235.777 181.390

9991.760 163.058

**Zone 24**

**TAU(us) Magnitudes**

21.853 479.198

26.512 468.196

32.164 462.456

39.022 473.112

47.343 483.231

57.437 474.226

69.683 465.426

84.540 462.166

102.565 461.940

124.434 472.218

150.965 454.026

183.153 452.706

222.203 436.121

269.580 440.748

327.059 433.331

396.792 427.688

481.394 409.230

584.034 395.260

708.558 380.938

859.632 355.953

1042.918 338.248

1265.283 323.759

1535.059 308.692

1862.355 292.288

2259.435 271.636

2741.178 244.463

3325.636 227.159

4034.708 209.404

4894.964 192.869

5938.639 179.878

7204.840 177.868

8741.013 166.734

**Zone 25**

**TAU(us) Magnitudes**

20.995 468.710

25.472 467.598

30.903 468.098

37.492 468.761

45.485 475.328

55.183 472.468

66.949 477.084

81.224 465.254

98.542 461.402

119.552 464.259

145.043 454.061

175.968 459.295

213.486 444.701

259.005 438.124

314.228 431.324

381.226 421.985

462.509 416.761

561.122 397.168

680.761 373.095

825.909 368.605

1002.005 354.323

1215.646 342.930

1474.839 317.736

1789.295 285.435

2170.798 269.244

2633.642 260.120

3195.172 222.807

3876.427 215.033

4702.936 200.356

5705.667 186.330

6922.196 169.840

8398.105 164.644

**Zone 26**

**TAU(us) Magnitudes**

18.920 468.675

22.954 481.118

27.848 474.995

33.786 467.406

40.989 467.678

49.729 476.960

60.332 460.034

73.195 462.456

88.801 451.079

107.735 460.654

130.706 457.703

158.574 451.292

192.384 442.523

233.403 439.800

283.168 427.236

343.543 412.840

416.792 403.037

505.658 397.476

613.471 377.401

744.272 364.336

902.961 352.833

1095.485 328.949

1329.057 299.445

1612.431 286.110

1956.224 274.950

2373.318 238.903

2879.343 221.571

3493.259 213.978

4238.070 195.798

5141.687 177.858

6237.966 173.199

7567.988 163.116

**Zone 27**

**TAU(us) Magnitudes**

17.619 478.120

21.376 481.196

25.933 473.658

31.463 479.400

38.171 466.598

46.310 463.133

56.183 467.534

68.163 463.880

82.696 458.438

100.328 464.830

121.719 452.942

147.671 444.735

179.157 447.425

217.355 442.317

263.699 427.178

319.923 412.802

388.135 409.777

470.891 388.776

571.291 379.971

693.098 374.367

840.877 346.145

1020.164 328.550

1237.677 316.771

1501.567 294.994

1821.722 270.764

2210.138 250.387

2681.371 238.311

3253.077 219.135

3946.678 192.549

4788.165 191.956

5809.069 169.513

7047.644 165.348

**Zone 28**

**TAU(us) Magnitudes**

16.922 471.926

20.530 477.190

24.908 470.593

30.218 468.550

36.661 467.433

44.478 468.497

53.961 465.469

65.466 473.207

79.425 450.002

96.359 455.276

116.904 454.083

141.830 435.937

172.070 435.973

208.758 425.344

253.268 432.230

307.268 418.426

372.782 403.474

452.265 405.624

548.694 383.615

665.683 373.156

807.616 353.856

979.811 326.020

1188.721 313.101

1442.173 297.657

1749.664 276.680

2122.717 259.994

2575.310 241.654

3124.402 220.188

3790.569 213.519

4598.771 193.023

5579.293 174.455

6768.877 168.824

**Zone 29**

**TAU(us) Magnitudes**

16.596 475.769

20.135 468.851

24.428 472.890

29.637 461.406

35.955 467.395

43.622 442.887

52.922 461.241

64.206 467.985

77.896 465.210

94.504 455.464

114.654 437.626

139.100 441.024

168.758 449.340

204.739 420.990

248.393 420.967

301.354 414.626

365.606 398.568

443.559 387.171

538.132 382.898

652.869 371.424

792.070 336.366

960.950 329.697

1165.838 311.817

1414.411 290.549

1715.983 271.240

2081.855 261.028

2525.736 241.514

3064.258 216.899

3717.601 205.381

4510.245 178.785

5471.893 168.777

6638.577 160.503

**Zone 30**

**TAU(us) Magnitudes**

14.025 457.534

17.016 478.054

20.644 457.408

25.045 463.248

30.385 456.925

36.864 472.694

44.724 464.063

54.259 465.425

65.828 459.200

79.864 451.463

96.892 451.265

117.550 427.440

142.614 434.990

173.021 429.333

209.911 418.472

254.668 414.333

308.966 391.801

374.842 396.326

454.764 366.917

551.726 351.347

669.361 336.903

812.079 322.014

985.225 301.028

1195.289 283.084

1450.142 270.762

1759.332 247.045

2134.446 229.714

2589.540 206.222

3141.666 204.298

3811.514 184.371

4624.182 180.163

5610.122 165.655

**Zone 31**

**TAU(us) Magnitudes**

14.392 459.343

17.461 466.994

21.183 469.385

25.700 471.851

31.180 467.194

37.827 465.873

45.893 464.085

55.678 458.001

67.549 466.826

81.952 447.042

99.425 450.096

120.623 444.789

146.342 443.821

177.544 435.886

215.399 427.637

261.325 418.264

317.044 409.232

384.642 395.771

466.653 371.855

566.150 365.877

686.861 356.253

833.309 337.594

1010.982 327.708

1226.538 302.049

1488.053 278.056

1805.327 273.941

2190.247 244.072

2657.239 221.152

3223.799 199.180

3911.159 188.442

4745.073 176.957

5756.789 176.014

**Zone 32**

**TAU(us) Magnitudes**

13.997 474.681

16.981 469.923

20.601 473.768

24.994 463.801

30.323 485.630

36.788 469.961

44.632 456.875

54.148 452.008

65.693 456.597

79.700 448.053

96.693 445.312

117.309 447.980

142.321 439.591

172.666 433.077

209.481 429.139

254.146 407.322

308.333 397.062

374.074 396.548

453.832 374.970

550.595 367.483

667.989 341.706

810.414 343.057

983.206 317.232

1192.839 297.580

1447.169 267.800

1755.726 256.900

2130.071 228.045

2584.232 217.032

3135.226 206.232

3803.700 180.917

4614.703 174.782

5598.622 159.360

**Zone 33**

**TAU(us) Magnitudes**

13.170 469.699

15.978 462.887

19.385 471.436

23.518 464.138

28.532 465.648

34.615 464.961

41.996 453.582

50.950 454.675

61.813 456.241

74.992 437.545

90.982 450.625

110.380 441.447

133.915 431.823

162.467 427.906

197.108 420.521

239.134 412.841

290.121 399.436

351.978 388.350

427.025 380.597

518.073 358.707

628.533 342.861

762.545 326.038

925.131 315.736

1122.381 299.106

1361.689 272.016

1652.020 259.778

2004.254 227.299

2431.589 217.736

2950.038 191.393

3579.027 191.339

4342.126 179.679

5267.928 168.587

**Zone 34**

**TAU(us) Magnitudes**

12.739 469.687

15.456 474.346

18.751 470.013

22.749 443.763

27.599 469.423

33.484 464.392

40.623 463.590

49.285 463.603

59.793 459.429

72.541 445.978

88.008 450.185

106.773 441.073

129.538 425.598

157.157 436.298

190.666 413.986

231.318 404.044

280.638 399.254

340.475 399.685

413.068 383.453

501.140 365.418

607.991 349.289

737.623 326.335

894.894 302.830

1085.698 292.477

1317.184 276.146

1598.026 262.761

1938.748 242.723

2352.116 221.420

2853.621 191.799

3462.052 183.798

4200.211 171.627

5095.754 170.118

**Zone 35**

**TAU(us) Magnitudes**

12.663 463.060

15.363 460.937

18.639 471.730

22.613 458.158

27.435 467.176

33.284 467.384

40.381 454.592

48.990 459.249

59.436 458.206

72.108 445.828

87.483 451.572

106.135 438.584

128.765 442.120

156.219 430.763

189.528 425.213

229.938 406.953

278.963 387.617

338.442 395.404

410.603 375.933

498.149 361.116

604.362 339.416

733.220 331.292

889.553 314.951

1079.218 290.234

1309.323 270.836

1588.489 258.413

1927.177 229.420

2338.078 212.369

2836.589 198.758

3441.389 179.514

4175.142 172.808

5065.340 151.715

**Zone 36**

**TAU(us) Magnitudes**

11.793 465.508

14.307 467.403

17.358 473.348

21.059 472.581

25.549 465.651

30.996 456.052

37.605 459.927

45.623 459.150

55.350 452.088

67.152 443.126

81.469 448.890

98.840 433.342

119.914 435.079

145.481 422.796

176.500 420.959

214.132 403.515

259.788 394.934

315.179 395.161

382.379 364.194

463.908 350.077

562.819 355.046

682.820 327.818

828.407 313.426

1005.035 290.858

1219.323 268.779

1479.300 258.038

1794.707 228.444

2177.364 221.894

2641.608 203.290

3204.836 179.306

3888.152 171.146

4717.161 167.635

**Zone 37**

**TAU(us) Magnitudes**

11.139 458.097

13.514 472.781

16.395 476.215

19.891 453.526

24.132 457.336

29.277 473.146

35.520 460.333

43.093 458.867

52.281 451.030

63.428 449.462

76.952 452.778

93.359 450.421

113.265 438.583

137.414 425.281

166.713 431.732

202.259 414.787

245.383 399.554

297.702 395.456

361.176 384.505

438.184 361.732

531.611 341.628

644.958 319.862

782.472 309.832

949.306 297.564

1151.712 280.908

1397.273 256.517

1695.191 236.125

2056.629 218.314

2495.132 199.210

3027.129 190.165

3672.555 185.330

4455.595 161.935

**Zone 38**

**TAU(us) Magnitudes**

11.198 454.208

13.586 467.421

16.483 470.211

19.997 470.695

24.261 463.756

29.434 463.872

35.709 456.474

43.323 457.148

52.560 455.245

63.766 448.165

77.362 452.491

93.857 451.329

113.869 434.733

138.147 431.541

167.602 415.174

203.337 408.189

246.692 406.898

299.290 390.512

363.102 378.162

440.521 361.307

534.446 348.870

648.397 338.622

786.645 311.364

954.369 303.445

1157.853 275.486

1404.724 260.120

1704.231 239.724

2067.597 222.830

2508.437 203.743

3043.271 181.959

3692.140 173.175

4479.355 169.221

**Zone 39**

**TAU(us) Magnitudes**

10.635 468.043

12.903 468.165

15.654 477.646

18.992 474.974

23.041 468.069

27.954 465.592

33.914 460.705

41.145 458.247

49.917 463.752

60.561 459.230

73.473 448.062

89.138 438.052

108.144 435.668

131.202 439.144

159.176 419.252

193.114 409.689

234.289 412.605

284.242 393.351

344.847 381.821

418.373 360.855

507.576 343.928

615.799 332.847

747.095 315.449

906.387 293.844

1099.641 277.136

1334.100 261.213

1618.549 238.434

1963.646 215.472

2382.323 200.837

2890.267 192.571

3506.513 169.050

4254.150 170.018

**Zone 40**

**TAU(us) Magnitudes**

11.580 462.600

14.048 469.636

17.044 451.594

20.678 463.601

25.087 464.546

30.435 459.589

36.925 473.129

44.798 471.368

54.349 456.531

65.937 460.761

79.996 436.941

97.052 432.307

117.745 435.316

142.849 428.973

173.307 421.149

210.258 414.269

255.089 403.302

309.477 387.995

375.462 389.340

455.516 369.193

552.638 350.951

670.468 328.999

813.421 323.258

986.854 315.135

1197.265 281.045

1452.539 270.340

1762.240 249.544

2137.975 230.538

2593.821 204.088

3146.860 183.577

3817.814 182.557

4631.826 163.686