

Table S1. Calculated oscillator strengths ( $\log gf$ ) and transition probabilities ( $gA$ ) for Tm IV spectral lines. Wavelengths in vacuum (air) below (above) 2000 Å are deduced from the experimental energy levels reported in [14]. These levels are given with their rounded energies, parities and  $J$ -values in the present table (see [14] for more complete spectroscopic designations and accurate energies)

| $\lambda$ (Å) | Lower level             |        |     | Upper level             |        |     | $\log gf$ | $gA$ (s <sup>-1</sup> ) |
|---------------|-------------------------|--------|-----|-------------------------|--------|-----|-----------|-------------------------|
|               | $E$ (cm <sup>-1</sup> ) | Parity | $J$ | $E$ (cm <sup>-1</sup> ) | Parity | $J$ |           |                         |
| 719.080       | 0                       | (e)    | 6   | 139066                  | (o)    | 6   | -2.43     | 4.74E+07                |
| 737.583       | 0                       | (e)    | 6   | 135578                  | (o)    | 5   | -1.44     | 4.48E+08                |
| 745.711       | 5634                    | (e)    | 4   | 139734                  | (o)    | 3   | -1.79     | 1.96E+08                |
| 748.926       | 0                       | (e)    | 6   | 133524                  | (o)    | 5   | -2.21     | 7.33E+07                |
| 754.068       | 5634                    | (e)    | 4   | 138248                  | (o)    | 4   | -2.77     | 2.01E+07                |
| 754.910       | 5634                    | (e)    | 4   | 138100                  | (o)    | 3   | -2.87     | 1.59E+07                |
| 762.174       | 5634                    | (e)    | 4   | 136838                  | (o)    | 4   | -2.43     | 4.32E+07                |
| 764.235       | 8217                    | (e)    | 5   | 139066                  | (o)    | 6   | -2.32     | 5.48E+07                |
| 768.158       | 0                       | (e)    | 6   | 130181                  | (o)    | 6   | -3.88     | 1.50E+06                |
| 769.045       | 8217                    | (e)    | 5   | 138248                  | (o)    | 4   | -1.18     | 7.38E+08                |
| 769.563       | 5634                    | (e)    | 4   | 135578                  | (o)    | 5   | -2.75     | 2.03E+07                |
| 771.293       | 5634                    | (e)    | 4   | 135286                  | (o)    | 3   | -2.61     | 2.74E+07                |
| 777.011       | 5634                    | (e)    | 4   | 134332                  | (o)    | 3   | -2.93     | 1.28E+07                |
| 777.478       | 8217                    | (e)    | 5   | 136838                  | (o)    | 4   | -1.21     | 6.76E+08                |
| 781.620       | 0                       | (e)    | 6   | 127939                  | (o)    | 6   | -2.05     | 9.76E+07                |
| 781.919       | 5634                    | (e)    | 4   | 133524                  | (o)    | 5   | -2.74     | 1.98E+07                |
| 785.169       | 8217                    | (e)    | 5   | 135578                  | (o)    | 5   | -1.31     | 5.34E+08                |
| 786.244       | 12547                   | (e)    | 4   | 139734                  | (o)    | 3   | -0.81     | 1.69E+09                |
| 787.460       | 0                       | (e)    | 6   | 126991                  | (o)    | 5   | -1.12     | 8.07E+08                |
| 790.032       | 5634                    | (e)    | 4   | 132211                  | (o)    | 4   | -1.55     | 3.02E+08                |
| 792.662       | 5634                    | (e)    | 4   | 131791                  | (o)    | 4   | -3.67     | 2.26E+06                |
| 792.744       | 0                       | (e)    | 6   | 126144                  | (o)    | 6   | -1.83     | 1.59E+08                |
| 793.375       | 0                       | (e)    | 6   | 126044                  | (o)    | 7   | -1.95     | 1.20E+08                |
| 795.540       | 12547                   | (e)    | 4   | 138248                  | (o)    | 4   | -1.56     | 2.93E+08                |
| 796.476       | 12547                   | (e)    | 4   | 138100                  | (o)    | 3   | -1.51     | 3.24E+08                |
| 797.933       | 14410                   | (e)    | 3   | 139734                  | (o)    | 3   | -2.04     | 9.65E+07                |
| 798.035       | 8217                    | (e)    | 5   | 133524                  | (o)    | 5   | -1.61     | 2.54E+08                |
| 798.709       | 5634                    | (e)    | 4   | 130836                  | (o)    | 5   | -1.79     | 1.71E+08                |
| 799.369       | 5634                    | (e)    | 4   | 130733                  | (o)    | 3   | -1.73     | 1.96E+08                |
| 802.281       | 15090                   | (e)    | 2   | 139734                  | (o)    | 3   | -3.35     | 4.67E+06                |
| 802.334       | 0                       | (e)    | 6   | 124636                  | (o)    | 5   | -1.43     | 3.83E+08                |
| 804.052       | 0                       | (e)    | 6   | 124370                  | (o)    | 6   | -1.25     | 5.80E+08                |
| 804.567       | 12547                   | (e)    | 4   | 136838                  | (o)    | 4   | -2.18     | 6.78E+07                |
| 805.586       | 5634                    | (e)    | 4   | 129767                  | (o)    | 4   | -2.44     | 3.69E+07                |
| 806.487       | 8217                    | (e)    | 5   | 132211                  | (o)    | 4   | -2.13     | 7.57E+07                |
| 807.509       | 14410                   | (e)    | 3   | 138248                  | (o)    | 4   | -1.90     | 1.28E+08                |
| 808.474       | 14410                   | (e)    | 3   | 138100                  | (o)    | 3   | -1.61     | 2.52E+08                |
| 808.853       | 5634                    | (e)    | 4   | 129266                  | (o)    | 3   | -2.12     | 7.85E+07                |
| 809.228       | 8217                    | (e)    | 5   | 131791                  | (o)    | 4   | -0.75     | 1.80E+09                |

|         |       |     |   |        |     |   |       |          |
|---------|-------|-----|---|--------|-----|---|-------|----------|
| 811.334 | 0     | (e) | 6 | 123254 | (o) | 6 | -2.26 | 5.56E+07 |
| 812.435 | 0     | (e) | 6 | 123087 | (o) | 5 | -0.61 | 2.51E+09 |
| 812.806 | 12547 | (e) | 4 | 135578 | (o) | 5 | -1.40 | 4.02E+08 |
| 812.938 | 15090 | (e) | 2 | 138100 | (o) | 3 | -1.54 | 2.92E+08 |
| 814.680 | 5634  | (e) | 4 | 128382 | (o) | 3 | -2.95 | 1.14E+07 |
| 814.736 | 12547 | (e) | 4 | 135286 | (o) | 3 | -1.82 | 1.52E+08 |
| 815.532 | 8217  | (e) | 5 | 130836 | (o) | 5 | -2.11 | 7.80E+07 |
| 816.811 | 14410 | (e) | 3 | 136838 | (o) | 4 | -1.99 | 1.04E+08 |
| 817.558 | 5634  | (e) | 4 | 127950 | (o) | 4 | -1.60 | 2.50E+08 |
| 818.071 | 5634  | (e) | 4 | 127873 | (o) | 3 | -1.85 | 1.40E+08 |
| 819.416 | 0     | (e) | 6 | 122038 | (o) | 5 | -2.51 | 3.04E+07 |
| 819.909 | 8217  | (e) | 5 | 130181 | (o) | 6 | -1.44 | 3.61E+08 |
| 821.119 | 12547 | (e) | 4 | 134332 | (o) | 3 | -1.33 | 4.59E+08 |
| 822.703 | 8217  | (e) | 5 | 129767 | (o) | 4 | -2.65 | 2.21E+07 |
| 823.754 | 5634  | (e) | 4 | 127029 | (o) | 4 | -2.07 | 8.46E+07 |
| 824.018 | 5634  | (e) | 4 | 126991 | (o) | 5 | -1.59 | 2.51E+08 |
| 825.889 | 5634  | (e) | 4 | 126716 | (o) | 3 | -2.38 | 4.08E+07 |
| 826.602 | 12547 | (e) | 4 | 133524 | (o) | 5 | -1.96 | 1.07E+08 |
| 827.294 | 0     | (e) | 6 | 120876 | (o) | 5 | -0.69 | 2.01E+09 |
| 827.294 | 14410 | (e) | 3 | 135286 | (o) | 3 | -1.52 | 2.92E+08 |
| 828.558 | 5634  | (e) | 4 | 126326 | (o) | 3 | -1.92 | 1.17E+08 |
| 829.040 | 0     | (e) | 6 | 120621 | (o) | 6 | -1.81 | 1.51E+08 |
| 831.786 | 0     | (e) | 6 | 120223 | (o) | 7 | -0.96 | 1.05E+09 |
| 831.969 | 15090 | (e) | 2 | 135286 | (o) | 3 | -2.41 | 3.75E+07 |
| 832.119 | 5634  | (e) | 4 | 125809 | (o) | 4 | -1.80 | 1.52E+08 |
| 833.876 | 14410 | (e) | 3 | 134332 | (o) | 3 | -1.47 | 3.23E+08 |
| 835.193 | 8217  | (e) | 5 | 127950 | (o) | 4 | -1.83 | 1.41E+08 |
| 835.264 | 8217  | (e) | 5 | 127939 | (o) | 6 | -1.46 | 3.33E+08 |
| 835.673 | 12547 | (e) | 4 | 132211 | (o) | 4 | -1.47 | 3.26E+08 |
| 835.922 | 5634  | (e) | 4 | 125262 | (o) | 3 | -1.19 | 6.12E+08 |
| 838.616 | 12547 | (e) | 4 | 131791 | (o) | 4 | -2.38 | 3.94E+07 |
| 838.626 | 15090 | (e) | 2 | 134332 | (o) | 3 | -1.75 | 1.69E+08 |
| 839.627 | 0     | (e) | 6 | 119101 | (o) | 7 | -0.91 | 1.16E+09 |
| 839.928 | 0     | (e) | 6 | 119058 | (o) | 5 | -2.88 | 1.25E+07 |
| 840.320 | 5634  | (e) | 4 | 124636 | (o) | 5 | -0.87 | 1.29E+09 |
| 841.661 | 8217  | (e) | 5 | 127029 | (o) | 4 | -1.66 | 2.07E+08 |
| 841.936 | 8217  | (e) | 5 | 126991 | (o) | 5 | -2.23 | 5.53E+07 |
| 843.455 | 21174 | (e) | 4 | 139734 | (o) | 3 | -1.42 | 3.60E+08 |
| 845.388 | 12547 | (e) | 4 | 130836 | (o) | 5 | -0.99 | 9.62E+08 |
| 845.395 | 0     | (e) | 6 | 118288 | (o) | 5 | -2.44 | 3.38E+07 |
| 845.683 | 5634  | (e) | 4 | 123882 | (o) | 4 | -2.23 | 5.54E+07 |
| 846.128 | 12547 | (e) | 4 | 130733 | (o) | 3 | -3.48 | 3.09E+06 |
| 847.979 | 8217  | (e) | 5 | 126144 | (o) | 6 | -0.70 | 1.86E+09 |
| 848.890 | 14410 | (e) | 3 | 132211 | (o) | 4 | -0.79 | 1.50E+09 |
| 850.290 | 0     | (e) | 6 | 117607 | (o) | 6 | -1.77 | 1.55E+08 |
| 850.395 | 8217  | (e) | 5 | 125809 | (o) | 4 | -1.28 | 4.83E+08 |
| 850.839 | 0     | (e) | 6 | 117531 | (o) | 7 | -0.21 | 5.65E+09 |
| 851.406 | 5634  | (e) | 4 | 123087 | (o) | 5 | -2.46 | 3.20E+07 |

|         |       |     |   |        |     |   |       |          |
|---------|-------|-----|---|--------|-----|---|-------|----------|
| 851.928 | 14410 | (e) | 3 | 131791 | (o) | 4 | -1.30 | 4.64E+08 |
| 853.096 | 12547 | (e) | 4 | 129767 | (o) | 4 | -1.15 | 6.51E+08 |
| 854.162 | 21174 | (e) | 4 | 138248 | (o) | 4 | -2.96 | 1.01E+07 |
| 855.093 | 0     | (e) | 6 | 116946 | (o) | 5 | -3.47 | 3.09E+06 |
| 855.242 | 21174 | (e) | 4 | 138100 | (o) | 3 | -2.74 | 1.68E+07 |
| 855.567 | 0     | (e) | 6 | 116882 | (o) | 5 | -2.53 | 2.72E+07 |
| 856.231 | 5634  | (e) | 4 | 122425 | (o) | 4 | -2.24 | 5.24E+07 |
| 856.761 | 12547 | (e) | 4 | 129266 | (o) | 3 | -1.51 | 2.83E+08 |
| 858.962 | 8217  | (e) | 5 | 124636 | (o) | 5 | -2.95 | 1.02E+07 |
| 858.993 | 5634  | (e) | 4 | 122049 | (o) | 4 | -1.25 | 5.06E+08 |
| 859.076 | 5634  | (e) | 4 | 122038 | (o) | 5 | -1.16 | 6.31E+08 |
| 859.680 | 14410 | (e) | 3 | 130733 | (o) | 3 | -1.50 | 2.88E+08 |
| 860.931 | 8217  | (e) | 5 | 124370 | (o) | 6 | -1.03 | 8.50E+08 |
| 863.301 | 12547 | (e) | 4 | 128382 | (o) | 3 | -1.64 | 2.04E+08 |
| 863.719 | 0     | (e) | 6 | 115778 | (o) | 5 | -2.00 | 9.03E+07 |
| 864.566 | 8217  | (e) | 5 | 123882 | (o) | 4 | -2.63 | 2.11E+07 |
| 864.577 | 21174 | (e) | 4 | 136838 | (o) | 4 | -1.24 | 5.16E+08 |
| 864.729 | 15090 | (e) | 2 | 130733 | (o) | 3 | -0.77 | 1.51E+09 |
| 865.828 | 5634  | (e) | 4 | 121130 | (o) | 3 | -1.59 | 2.28E+08 |
| 866.875 | 14410 | (e) | 3 | 129767 | (o) | 4 | -1.15 | 6.35E+08 |
| 867.110 | 12547 | (e) | 4 | 127873 | (o) | 3 | -1.36 | 3.89E+08 |
| 867.740 | 5634  | (e) | 4 | 120876 | (o) | 5 | -2.64 | 2.05E+07 |
| 868.492 | 5634  | (e) | 4 | 120776 | (o) | 4 | -0.81 | 1.39E+09 |
| 869.285 | 8217  | (e) | 5 | 123254 | (o) | 6 | -0.50 | 2.81E+09 |
| 870.549 | 8217  | (e) | 5 | 123087 | (o) | 5 | -2.57 | 2.39E+07 |
| 870.660 | 14410 | (e) | 3 | 129266 | (o) | 3 | -2.10 | 7.06E+07 |
| 870.825 | 5634  | (e) | 4 | 120468 | (o) | 4 | -0.93 | 1.03E+09 |
| 873.311 | 5634  | (e) | 4 | 120141 | (o) | 3 | -1.55 | 2.46E+08 |
| 873.498 | 12547 | (e) | 4 | 127029 | (o) | 4 | -1.45 | 3.09E+08 |
| 873.795 | 12547 | (e) | 4 | 126991 | (o) | 5 | -1.49 | 2.82E+08 |
| 874.098 | 21174 | (e) | 4 | 135578 | (o) | 5 | -1.18 | 5.74E+08 |
| 875.593 | 8217  | (e) | 5 | 122425 | (o) | 4 | -3.34 | 3.94E+06 |
| 875.839 | 15090 | (e) | 2 | 129266 | (o) | 3 | -2.32 | 4.14E+07 |
| 875.896 | 0     | (e) | 6 | 114169 | (o) | 5 | -2.33 | 4.09E+07 |
| 875.899 | 12547 | (e) | 4 | 126716 | (o) | 3 | -1.09 | 7.10E+08 |
| 876.331 | 21174 | (e) | 4 | 135286 | (o) | 3 | -1.41 | 3.37E+08 |
| 876.796 | 5634  | (e) | 4 | 119686 | (o) | 4 | -2.26 | 4.81E+07 |
| 877.415 | 14410 | (e) | 3 | 128382 | (o) | 3 | -1.18 | 5.79E+08 |
| 877.459 | 0     | (e) | 6 | 113965 | (o) | 5 | -3.20 | 5.43E+06 |
| 878.482 | 8217  | (e) | 5 | 122049 | (o) | 4 | -3.05 | 7.64E+06 |
| 878.570 | 8217  | (e) | 5 | 122038 | (o) | 5 | -3.11 | 6.70E+06 |
| 878.901 | 12547 | (e) | 4 | 126326 | (o) | 3 | -2.03 | 8.00E+07 |
| 880.754 | 14410 | (e) | 3 | 127950 | (o) | 4 | -2.62 | 2.05E+07 |
| 880.939 | 5634  | (e) | 4 | 119149 | (o) | 3 | -2.05 | 7.65E+07 |
| 881.296 | 5634  | (e) | 4 | 119103 | (o) | 4 | -1.65 | 1.91E+08 |
| 881.349 | 14410 | (e) | 3 | 127873 | (o) | 3 | -3.51 | 2.68E+06 |
| 881.514 | 0     | (e) | 6 | 113441 | (o) | 5 | -1.90 | 1.09E+08 |
| 881.649 | 5634  | (e) | 4 | 119058 | (o) | 5 | -1.60 | 2.15E+08 |

|         |       |     |   |        |     |   |       |          |
|---------|-------|-----|---|--------|-----|---|-------|----------|
| 882.675 | 15090 | (e) | 2 | 128382 | (o) | 3 | -2.84 | 1.24E+07 |
| 882.909 | 12547 | (e) | 4 | 125809 | (o) | 4 | -1.08 | 7.05E+08 |
| 883.719 | 21174 | (e) | 4 | 134332 | (o) | 3 | -2.29 | 4.37E+07 |
| 886.055 | 5634  | (e) | 4 | 118494 | (o) | 3 | -1.96 | 9.30E+07 |
| 886.656 | 15090 | (e) | 2 | 127873 | (o) | 3 | -2.44 | 3.11E+07 |
| 887.192 | 12547 | (e) | 4 | 125262 | (o) | 3 | -2.00 | 8.42E+07 |
| 887.632 | 8217  | (e) | 5 | 120876 | (o) | 5 | -3.97 | 9.16E+05 |
| 887.674 | 5634  | (e) | 4 | 118288 | (o) | 5 | -2.49 | 2.73E+07 |
| 887.950 | 14410 | (e) | 3 | 127029 | (o) | 4 | -2.04 | 7.66E+07 |
| 888.420 | 8217  | (e) | 5 | 120776 | (o) | 4 | -1.34 | 3.85E+08 |
| 888.952 | 0     | (e) | 6 | 112492 | (o) | 5 | -0.61 | 2.06E+09 |
| 889.643 | 8217  | (e) | 5 | 120621 | (o) | 6 | -1.02 | 7.96E+08 |
| 890.073 | 21174 | (e) | 4 | 133524 | (o) | 5 | -1.17 | 5.72E+08 |
| 890.430 | 14410 | (e) | 3 | 126716 | (o) | 3 | -1.08 | 7.01E+08 |
| 890.547 | 0     | (e) | 6 | 112291 | (o) | 7 | -1.18 | 5.53E+08 |
| 890.861 | 8217  | (e) | 5 | 120468 | (o) | 4 | -1.39 | 3.41E+08 |
| 892.147 | 12547 | (e) | 4 | 124636 | (o) | 5 | -0.37 | 3.59E+09 |
| 893.533 | 14410 | (e) | 3 | 126326 | (o) | 3 | -1.25 | 4.67E+08 |
| 893.803 | 0     | (e) | 6 | 111881 | (o) | 5 | -0.91 | 1.03E+09 |
| 895.848 | 15090 | (e) | 2 | 126716 | (o) | 3 | -1.79 | 1.34E+08 |
| 896.071 | 0     | (e) | 6 | 111598 | (o) | 6 | -2.31 | 4.08E+07 |
| 896.127 | 5634  | (e) | 4 | 117225 | (o) | 4 | -3.36 | 3.60E+06 |
| 896.291 | 28163 | (e) | 2 | 139734 | (o) | 3 | -1.34 | 3.82E+08 |
| 897.111 | 8217  | (e) | 5 | 119686 | (o) | 4 | -0.96 | 9.03E+08 |
| 897.676 | 14410 | (e) | 3 | 125809 | (o) | 4 | -0.84 | 1.20E+09 |
| 897.816 | 0     | (e) | 6 | 111381 | (o) | 6 | -1.02 | 7.98E+08 |
| 898.195 | 12547 | (e) | 4 | 123882 | (o) | 4 | -1.82 | 1.25E+08 |
| 898.373 | 5634  | (e) | 4 | 116946 | (o) | 5 | -1.86 | 1.14E+08 |
| 898.896 | 5634  | (e) | 4 | 116882 | (o) | 5 | -0.86 | 1.14E+09 |
| 898.984 | 0     | (e) | 6 | 111237 | (o) | 5 | -2.11 | 6.39E+07 |
| 898.989 | 15090 | (e) | 2 | 126326 | (o) | 3 | -0.91 | 1.01E+09 |
| 900.600 | 21174 | (e) | 4 | 132211 | (o) | 4 | -0.97 | 8.88E+08 |
| 901.822 | 8217  | (e) | 5 | 119103 | (o) | 4 | -1.44 | 3.01E+08 |
| 902.193 | 8217  | (e) | 5 | 119058 | (o) | 5 | -1.02 | 7.88E+08 |
| 902.338 | 14410 | (e) | 3 | 125234 | (o) | 2 | -1.48 | 2.71E+08 |
| 903.149 | 0     | (e) | 6 | 110724 | (o) | 5 | -0.87 | 1.10E+09 |
| 903.756 | 5634  | (e) | 4 | 116283 | (o) | 4 | -1.30 | 4.06E+08 |
| 904.020 | 21174 | (e) | 4 | 131791 | (o) | 4 | -2.28 | 4.27E+07 |
| 904.654 | 12547 | (e) | 4 | 123087 | (o) | 5 | -2.01 | 7.90E+07 |
| 907.659 | 5634  | (e) | 4 | 115808 | (o) | 3 | -0.73 | 1.50E+09 |
| 907.666 | 15090 | (e) | 2 | 125262 | (o) | 3 | -1.57 | 2.16E+08 |
| 907.900 | 5634  | (e) | 4 | 115778 | (o) | 5 | -1.48 | 2.66E+08 |
| 907.902 | 15090 | (e) | 2 | 125234 | (o) | 2 | -1.57 | 2.20E+08 |
| 908.328 | 0     | (e) | 6 | 110092 | (o) | 6 | -1.69 | 1.66E+08 |
| 908.503 | 8217  | (e) | 5 | 118288 | (o) | 5 | -0.81 | 1.24E+09 |
| 909.612 | 28163 | (e) | 2 | 138100 | (o) | 3 | -0.88 | 1.07E+09 |
| 910.102 | 12547 | (e) | 4 | 122425 | (o) | 4 | -1.81 | 1.24E+08 |
| 911.894 | 21174 | (e) | 4 | 130836 | (o) | 5 | -0.59 | 2.08E+09 |

|         |       |     |   |        |     |   |       |          |
|---------|-------|-----|---|--------|-----|---|-------|----------|
| 912.754 | 21174 | (e) | 4 | 130733 | (o) | 3 | -1.34 | 3.65E+08 |
| 913.223 | 12547 | (e) | 4 | 122049 | (o) | 4 | -1.43 | 2.97E+08 |
| 913.318 | 12547 | (e) | 4 | 122038 | (o) | 5 | -2.00 | 7.96E+07 |
| 913.482 | 14410 | (e) | 3 | 123882 | (o) | 4 | -3.75 | 1.42E+06 |
| 913.548 | 0     | (e) | 6 | 109463 | (o) | 5 | -1.26 | 4.42E+08 |
| 914.158 | 8217  | (e) | 5 | 117607 | (o) | 6 | -1.35 | 3.57E+08 |
| 914.467 | 5634  | (e) | 4 | 114987 | (o) | 3 | -1.71 | 1.54E+08 |
| 916.354 | 0     | (e) | 6 | 109128 | (o) | 6 | -1.37 | 3.43E+08 |
| 917.359 | 8217  | (e) | 5 | 117225 | (o) | 4 | -3.93 | 9.41E+05 |
| 919.713 | 8217  | (e) | 5 | 116946 | (o) | 5 | -3.28 | 4.13E+06 |
| 920.261 | 8217  | (e) | 5 | 116882 | (o) | 5 | -2.15 | 5.54E+07 |
| 920.869 | 21174 | (e) | 4 | 129767 | (o) | 4 | -0.93 | 9.35E+08 |
| 920.953 | 12547 | (e) | 4 | 121130 | (o) | 3 | -0.78 | 1.30E+09 |
| 921.363 | 5634  | (e) | 4 | 114169 | (o) | 5 | -0.69 | 1.59E+09 |
| 921.476 | 8217  | (e) | 5 | 116738 | (o) | 4 | -1.12 | 5.91E+08 |
| 923.093 | 5634  | (e) | 4 | 113965 | (o) | 5 | -1.94 | 8.91E+07 |
| 923.116 | 12547 | (e) | 4 | 120876 | (o) | 5 | -1.50 | 2.45E+08 |
| 923.588 | 0     | (e) | 6 | 108273 | (o) | 5 | -2.04 | 7.22E+07 |
| 923.968 | 12547 | (e) | 4 | 120776 | (o) | 4 | -0.96 | 8.52E+08 |
| 924.584 | 8217  | (e) | 5 | 116374 | (o) | 4 | -1.01 | 7.60E+08 |
| 925.141 | 21174 | (e) | 4 | 129266 | (o) | 3 | -1.47 | 2.65E+08 |
| 925.355 | 8217  | (e) | 5 | 116283 | (o) | 4 | -1.38 | 3.23E+08 |
| 925.801 | 14410 | (e) | 3 | 122425 | (o) | 4 | -1.48 | 2.55E+08 |
| 926.303 | 14410 | (e) | 3 | 122366 | (o) | 2 | -0.67 | 1.67E+09 |
| 926.608 | 12547 | (e) | 4 | 120468 | (o) | 4 | -1.68 | 1.63E+08 |
| 926.907 | 0     | (e) | 6 | 107886 | (o) | 7 | -1.00 | 7.67E+08 |
| 927.477 | 5634  | (e) | 4 | 113453 | (o) | 3 | -2.40 | 3.08E+07 |
| 927.572 | 5634  | (e) | 4 | 113442 | (o) | 4 | -2.64 | 1.77E+07 |
| 927.582 | 5634  | (e) | 4 | 113441 | (o) | 5 | -1.65 | 1.75E+08 |
| 929.031 | 14410 | (e) | 3 | 122049 | (o) | 4 | -1.35 | 3.47E+08 |
| 929.339 | 0     | (e) | 6 | 107603 | (o) | 6 | -1.47 | 2.60E+08 |
| 929.424 | 12547 | (e) | 4 | 120141 | (o) | 3 | -1.50 | 2.42E+08 |
| 929.700 | 8217  | (e) | 5 | 115778 | (o) | 5 | -0.67 | 1.65E+09 |
| 929.872 | 5634  | (e) | 4 | 113176 | (o) | 3 | -3.45 | 2.74E+06 |
| 932.017 | 0     | (e) | 6 | 107294 | (o) | 6 | -0.34 | 3.53E+09 |
| 932.168 | 15090 | (e) | 2 | 122366 | (o) | 2 | -2.67 | 1.64E+07 |
| 932.771 | 21174 | (e) | 4 | 128382 | (o) | 3 | -1.19 | 4.94E+08 |
| 933.372 | 12547 | (e) | 4 | 119686 | (o) | 4 | -1.35 | 3.39E+08 |
| 933.505 | 28163 | (e) | 2 | 135286 | (o) | 3 | -1.46 | 2.63E+08 |
| 935.494 | 0     | (e) | 6 | 106895 | (o) | 7 | -1.30 | 3.79E+08 |
| 935.822 | 5634  | (e) | 4 | 112492 | (o) | 5 | -2.24 | 4.41E+07 |
| 935.987 | 14410 | (e) | 3 | 121249 | (o) | 2 | -1.53 | 2.25E+08 |
| 936.546 | 21174 | (e) | 4 | 127950 | (o) | 4 | -1.03 | 7.08E+08 |
| 936.550 | 5634  | (e) | 4 | 112409 | (o) | 4 | -2.09 | 6.21E+07 |
| 937.031 | 14410 | (e) | 3 | 121130 | (o) | 3 | -1.99 | 7.81E+07 |
| 937.219 | 21174 | (e) | 4 | 127873 | (o) | 3 | -0.48 | 2.50E+09 |
| 938.068 | 12547 | (e) | 4 | 119149 | (o) | 3 | -2.75 | 1.33E+07 |
| 938.224 | 5634  | (e) | 4 | 112218 | (o) | 3 | -1.46 | 2.65E+08 |

|         |       |     |   |        |     |   |       |          |
|---------|-------|-----|---|--------|-----|---|-------|----------|
| 938.473 | 12547 | (e) | 4 | 119103 | (o) | 4 | -3.01 | 7.35E+06 |
| 938.874 | 12547 | (e) | 4 | 119058 | (o) | 5 | -2.59 | 1.97E+07 |
| 940.153 | 14410 | (e) | 3 | 120776 | (o) | 4 | -2.39 | 3.06E+07 |
| 941.199 | 5634  | (e) | 4 | 111881 | (o) | 5 | -2.73 | 1.40E+07 |
| 941.894 | 28163 | (e) | 2 | 134332 | (o) | 3 | -2.02 | 7.17E+07 |
| 941.976 | 15090 | (e) | 2 | 121249 | (o) | 2 | -2.25 | 4.21E+07 |
| 942.489 | 0     | (e) | 6 | 106102 | (o) | 6 | -1.20 | 4.73E+08 |
| 942.887 | 14410 | (e) | 3 | 120468 | (o) | 4 | -1.36 | 3.26E+08 |
| 943.033 | 15090 | (e) | 2 | 121130 | (o) | 3 | -1.82 | 1.14E+08 |
| 943.823 | 8217  | (e) | 5 | 114169 | (o) | 5 | -1.64 | 1.71E+08 |
| 943.871 | 12547 | (e) | 4 | 118494 | (o) | 3 | -2.13 | 5.55E+07 |
| 944.471 | 0     | (e) | 6 | 105879 | (o) | 6 | -0.87 | 1.01E+09 |
| 944.687 | 21174 | (e) | 4 | 127029 | (o) | 4 | -2.36 | 3.28E+07 |
| 945.026 | 14410 | (e) | 3 | 120228 | (o) | 2 | -1.49 | 2.43E+08 |
| 945.034 | 21174 | (e) | 4 | 126991 | (o) | 5 | -3.53 | 2.21E+06 |
| 945.638 | 8217  | (e) | 5 | 113965 | (o) | 5 | -2.49 | 2.40E+07 |
| 945.709 | 12547 | (e) | 4 | 118288 | (o) | 5 | -2.27 | 3.98E+07 |
| 945.802 | 14410 | (e) | 3 | 120141 | (o) | 3 | -1.20 | 4.72E+08 |
| 949.891 | 14410 | (e) | 3 | 119686 | (o) | 4 | -3.21 | 4.57E+06 |
| 950.350 | 8217  | (e) | 5 | 113441 | (o) | 5 | -2.68 | 1.56E+07 |
| 950.968 | 0     | (e) | 6 | 105156 | (o) | 5 | -0.98 | 7.80E+08 |
| 951.009 | 21174 | (e) | 4 | 126326 | (o) | 3 | -2.29 | 3.81E+07 |
| 951.131 | 15090 | (e) | 2 | 120228 | (o) | 2 | -1.52 | 2.23E+08 |
| 951.568 | 5634  | (e) | 4 | 110724 | (o) | 5 | -3.40 | 2.94E+06 |
| 951.917 | 15090 | (e) | 2 | 120141 | (o) | 3 | -1.37 | 3.16E+08 |
| 954.755 | 14410 | (e) | 3 | 119149 | (o) | 3 | -1.42 | 2.76E+08 |
| 955.175 | 14410 | (e) | 3 | 119103 | (o) | 4 | -1.66 | 1.61E+08 |
| 955.310 | 12547 | (e) | 4 | 117225 | (o) | 4 | -3.96 | 8.01E+05 |
| 955.704 | 21174 | (e) | 4 | 125809 | (o) | 4 | -1.89 | 9.37E+07 |
| 956.289 | 0     | (e) | 6 | 104571 | (o) | 5 | -3.09 | 5.99E+06 |
| 957.863 | 12547 | (e) | 4 | 116946 | (o) | 5 | -2.94 | 8.42E+06 |
| 958.457 | 12547 | (e) | 4 | 116882 | (o) | 5 | -2.52 | 2.19E+07 |
| 958.467 | 5634  | (e) | 4 | 109967 | (o) | 4 | -1.42 | 2.81E+08 |
| 959.000 | 8217  | (e) | 5 | 112492 | (o) | 5 | -2.95 | 8.04E+06 |
| 959.765 | 8217  | (e) | 5 | 112409 | (o) | 4 | -3.45 | 2.57E+06 |
| 959.776 | 12547 | (e) | 4 | 116738 | (o) | 4 | -0.95 | 8.17E+08 |
| 960.724 | 21174 | (e) | 4 | 125262 | (o) | 3 | -2.41 | 2.82E+07 |
| 960.768 | 14410 | (e) | 3 | 118494 | (o) | 3 | -2.13 | 5.37E+07 |
| 960.987 | 15090 | (e) | 2 | 119149 | (o) | 3 | -2.26 | 3.93E+07 |
| 960.988 | 5634  | (e) | 4 | 109694 | (o) | 3 | -1.08 | 5.97E+08 |
| 963.119 | 5634  | (e) | 4 | 109463 | (o) | 5 | -1.29 | 3.64E+08 |
| 963.147 | 12547 | (e) | 4 | 116374 | (o) | 4 | -0.80 | 1.15E+09 |
| 963.399 | 0     | (e) | 6 | 103799 | (o) | 6 | -0.87 | 9.59E+08 |
| 963.836 | 5634  | (e) | 4 | 109386 | (o) | 3 | -1.92 | 8.62E+07 |
| 963.975 | 35329 | (e) | 6 | 139066 | (o) | 6 | -0.09 | 5.78E+09 |
| 963.984 | 12547 | (e) | 4 | 116283 | (o) | 4 | -1.32 | 3.43E+08 |
| 964.648 | 8217  | (e) | 5 | 111881 | (o) | 5 | -0.77 | 1.22E+09 |
| 966.537 | 21174 | (e) | 4 | 124636 | (o) | 5 | -1.39 | 2.93E+08 |

|         |       |     |   |        |     |   |       |          |
|---------|-------|-----|---|--------|-----|---|-------|----------|
| 966.953 | 14410 | (e) | 3 | 117828 | (o) | 2 | -1.35 | 3.20E+08 |
| 967.078 | 15090 | (e) | 2 | 118494 | (o) | 3 | -2.15 | 5.07E+07 |
| 967.291 | 8217  | (e) | 5 | 111598 | (o) | 6 | -2.20 | 4.54E+07 |
| 968.426 | 12547 | (e) | 4 | 115808 | (o) | 3 | -1.70 | 1.41E+08 |
| 968.700 | 12547 | (e) | 4 | 115778 | (o) | 5 | -2.31 | 3.45E+07 |
| 969.324 | 8217  | (e) | 5 | 111381 | (o) | 6 | -3.61 | 1.74E+06 |
| 970.686 | 8217  | (e) | 5 | 111237 | (o) | 5 | -2.61 | 1.74E+07 |
| 972.622 | 14410 | (e) | 3 | 117225 | (o) | 4 | -3.71 | 1.38E+06 |
| 973.345 | 15090 | (e) | 2 | 117828 | (o) | 2 | -2.42 | 2.69E+07 |
| 973.639 | 21174 | (e) | 4 | 123882 | (o) | 4 | -0.89 | 9.06E+08 |
| 973.987 | 5634  | (e) | 4 | 108305 | (o) | 3 | -0.99 | 7.21E+08 |
| 974.285 | 5634  | (e) | 4 | 108273 | (o) | 5 | -1.80 | 1.13E+08 |
| 974.934 | 5634  | (e) | 4 | 108205 | (o) | 4 | -1.43 | 2.61E+08 |
| 974.949 | 28163 | (e) | 2 | 130733 | (o) | 3 | -1.47 | 2.39E+08 |
| 975.544 | 8217  | (e) | 5 | 110724 | (o) | 5 | -0.86 | 9.68E+08 |
| 976.180 | 12547 | (e) | 4 | 114987 | (o) | 3 | -2.63 | 1.63E+07 |
| 977.251 | 14410 | (e) | 3 | 116738 | (o) | 4 | -1.55 | 1.95E+08 |
| 980.199 | 0     | (e) | 6 | 102020 | (o) | 6 | -1.82 | 1.05E+08 |
| 980.747 | 14410 | (e) | 3 | 116374 | (o) | 4 | -3.40 | 2.79E+06 |
| 981.107 | 0     | (e) | 6 | 101926 | (o) | 5 | -1.32 | 3.35E+08 |
| 981.234 | 21174 | (e) | 4 | 123087 | (o) | 5 | -3.00 | 6.91E+06 |
| 981.589 | 8217  | (e) | 5 | 110092 | (o) | 6 | -1.20 | 4.41E+08 |
| 981.615 | 14410 | (e) | 3 | 116283 | (o) | 4 | -2.25 | 3.85E+07 |
| 982.796 | 8217  | (e) | 5 | 109967 | (o) | 4 | -2.60 | 1.76E+07 |
| 984.043 | 12547 | (e) | 4 | 114169 | (o) | 5 | -0.84 | 9.91E+08 |
| 985.814 | 5634  | (e) | 4 | 107073 | (o) | 4 | -1.20 | 4.36E+08 |
| 986.016 | 12547 | (e) | 4 | 113965 | (o) | 5 | -1.96 | 7.58E+07 |
| 986.221 | 14410 | (e) | 3 | 115808 | (o) | 3 | -1.59 | 1.76E+08 |
| 987.647 | 21174 | (e) | 4 | 122425 | (o) | 4 | -1.50 | 2.16E+08 |
| 987.687 | 8217  | (e) | 5 | 109463 | (o) | 5 | -1.62 | 1.65E+08 |
| 988.125 | 38532 | (e) | 2 | 139734 | (o) | 3 | -1.72 | 1.32E+08 |
| 988.763 | 5634  | (e) | 4 | 106771 | (o) | 3 | -1.07 | 5.78E+08 |
| 989.601 | 5634  | (e) | 4 | 106685 | (o) | 4 | -2.52 | 2.05E+07 |
| 990.968 | 8217  | (e) | 5 | 109128 | (o) | 6 | -1.29 | 3.53E+08 |
| 991.020 | 12547 | (e) | 4 | 113453 | (o) | 3 | -3.06 | 5.84E+06 |
| 991.129 | 12547 | (e) | 4 | 113442 | (o) | 4 | -2.77 | 1.14E+07 |
| 991.140 | 12547 | (e) | 4 | 113441 | (o) | 5 | -2.40 | 2.67E+07 |
| 991.323 | 21174 | (e) | 4 | 122049 | (o) | 4 | -0.78 | 1.14E+09 |
| 991.435 | 21174 | (e) | 4 | 122038 | (o) | 5 | -1.34 | 3.10E+08 |
| 992.872 | 15090 | (e) | 2 | 115808 | (o) | 3 | -1.92 | 8.13E+07 |
| 993.455 | 14410 | (e) | 3 | 115069 | (o) | 2 | -2.28 | 3.54E+07 |
| 993.755 | 12547 | (e) | 4 | 113176 | (o) | 3 | -1.67 | 1.43E+08 |
| 994.263 | 14410 | (e) | 3 | 114987 | (o) | 3 | -1.33 | 3.13E+08 |
| 997.520 | 35329 | (e) | 6 | 135578 | (o) | 5 | -1.53 | 1.98E+08 |
| 997.821 | 28163 | (e) | 2 | 128382 | (o) | 3 | -2.33 | 3.11E+07 |
| 998.552 | 0     | (e) | 6 | 100145 | (o) | 7 | -3.65 | 1.50E+06 |
| 999.434 | 8217  | (e) | 5 | 108273 | (o) | 5 | -0.91 | 8.18E+08 |
| 999.725 | 0     | (e) | 6 | 100027 | (o) | 5 | -1.58 | 1.76E+08 |

|          |       |     |   |        |     |   |       |          |
|----------|-------|-----|---|--------|-----|---|-------|----------|
| 1000.116 | 8217  | (e) | 5 | 108205 | (o) | 4 | -2.87 | 8.98E+06 |
| 1000.204 | 15090 | (e) | 2 | 115069 | (o) | 2 | -1.19 | 4.32E+08 |
| 1000.438 | 21174 | (e) | 4 | 121130 | (o) | 3 | -1.60 | 1.66E+08 |
| 1000.553 | 12547 | (e) | 4 | 112492 | (o) | 5 | -2.56 | 1.85E+07 |
| 1001.023 | 15090 | (e) | 2 | 114987 | (o) | 3 | -2.54 | 1.93E+07 |
| 1001.385 | 12547 | (e) | 4 | 112409 | (o) | 4 | -1.65 | 1.48E+08 |
| 1002.912 | 28163 | (e) | 2 | 127873 | (o) | 3 | -2.00 | 6.65E+07 |
| 1002.991 | 21174 | (e) | 4 | 120876 | (o) | 5 | -1.94 | 7.53E+07 |
| 1003.299 | 12547 | (e) | 4 | 112218 | (o) | 3 | -2.20 | 4.16E+07 |
| 1003.997 | 21174 | (e) | 4 | 120776 | (o) | 4 | -2.74 | 1.21E+07 |
| 1004.341 | 38532 | (e) | 2 | 138100 | (o) | 3 | -1.04 | 6.03E+08 |
| 1004.803 | 5634  | (e) | 4 | 105156 | (o) | 5 | -1.66 | 1.45E+08 |
| 1006.172 | 8217  | (e) | 5 | 107603 | (o) | 6 | -2.12 | 5.00E+07 |
| 1007.115 | 21174 | (e) | 4 | 120468 | (o) | 4 | -1.58 | 1.72E+08 |
| 1009.312 | 8217  | (e) | 5 | 107294 | (o) | 6 | -1.78 | 1.08E+08 |
| 1009.502 | 72011 | (o) | 6 | 171070 | (e) | 6 | -2.49 | 2.14E+07 |
| 1009.663 | 14410 | (e) | 3 | 113453 | (o) | 3 | -2.88 | 8.62E+06 |
| 1009.776 | 14410 | (e) | 3 | 113442 | (o) | 4 | -3.70 | 1.30E+06 |
| 1010.443 | 21174 | (e) | 4 | 120141 | (o) | 3 | -3.33 | 3.08E+06 |
| 1010.731 | 72011 | (o) | 6 | 170949 | (e) | 5 | -2.51 | 2.03E+07 |
| 1010.745 | 5634  | (e) | 4 | 104571 | (o) | 5 | -2.69 | 1.33E+07 |
| 1011.570 | 8217  | (e) | 5 | 107073 | (o) | 4 | -2.46 | 2.27E+07 |
| 1012.501 | 14410 | (e) | 3 | 113176 | (o) | 3 | -1.83 | 9.63E+07 |
| 1013.280 | 12547 | (e) | 4 | 111237 | (o) | 5 | -3.52 | 1.98E+06 |
| 1014.688 | 28163 | (e) | 2 | 126716 | (o) | 3 | -2.71 | 1.26E+07 |
| 1015.110 | 21174 | (e) | 4 | 119686 | (o) | 4 | -3.68 | 1.34E+06 |
| 1015.557 | 8217  | (e) | 5 | 106685 | (o) | 4 | -1.14 | 4.64E+08 |
| 1016.635 | 15090 | (e) | 2 | 113453 | (o) | 3 | -1.94 | 7.47E+07 |
| 1017.072 | 0     | (e) | 6 | 98321  | (o) | 5 | -2.43 | 2.40E+07 |
| 1018.380 | 35329 | (e) | 6 | 133524 | (o) | 5 | -2.29 | 3.29E+07 |
| 1018.574 | 12547 | (e) | 4 | 110724 | (o) | 5 | -2.05 | 5.69E+07 |
| 1018.720 | 28163 | (e) | 2 | 126326 | (o) | 3 | -2.21 | 4.00E+07 |
| 1018.877 | 5634  | (e) | 4 | 103781 | (o) | 4 | -1.00 | 6.43E+08 |
| 1019.512 | 15090 | (e) | 2 | 113176 | (o) | 3 | -1.61 | 1.60E+08 |
| 1020.424 | 14410 | (e) | 3 | 112409 | (o) | 4 | -3.79 | 1.04E+06 |
| 1021.147 | 21174 | (e) | 4 | 119103 | (o) | 4 | -2.61 | 1.59E+07 |
| 1021.604 | 8217  | (e) | 5 | 106102 | (o) | 6 | -1.79 | 1.04E+08 |
| 1021.622 | 21174 | (e) | 4 | 119058 | (o) | 5 | -1.33 | 2.99E+08 |
| 1022.412 | 14410 | (e) | 3 | 112218 | (o) | 3 | -1.52 | 1.94E+08 |
| 1024.200 | 0     | (e) | 6 | 97637  | (o) | 5 | -1.96 | 6.89E+07 |
| 1026.483 | 12547 | (e) | 4 | 109967 | (o) | 4 | -1.65 | 1.44E+08 |
| 1027.542 | 21174 | (e) | 4 | 118494 | (o) | 3 | -3.19 | 4.12E+06 |
| 1029.374 | 12547 | (e) | 4 | 109694 | (o) | 3 | -1.66 | 1.38E+08 |
| 1029.561 | 15090 | (e) | 2 | 112218 | (o) | 3 | -1.86 | 8.74E+07 |
| 1029.821 | 5634  | (e) | 4 | 102738 | (o) | 4 | -1.88 | 8.23E+07 |
| 1029.876 | 28163 | (e) | 2 | 125262 | (o) | 3 | -1.95 | 7.04E+07 |
| 1030.180 | 28163 | (e) | 2 | 125234 | (o) | 2 | -1.95 | 7.12E+07 |
| 1031.118 | 0     | (e) | 6 | 96982  | (o) | 6 | -2.14 | 4.59E+07 |

|          |       |     |   |        |     |   |       |          |
|----------|-------|-----|---|--------|-----|---|-------|----------|
| 1031.574 | 8217  | (e) | 5 | 105156 | (o) | 5 | -3.76 | 1.09E+06 |
| 1031.820 | 12547 | (e) | 4 | 109463 | (o) | 5 | -2.40 | 2.51E+07 |
| 1032.643 | 12547 | (e) | 4 | 109386 | (o) | 3 | -3.72 | 1.19E+06 |
| 1033.550 | 38532 | (e) | 2 | 135286 | (o) | 3 | -2.80 | 9.99E+06 |
| 1036.650 | 5634  | (e) | 4 | 102099 | (o) | 5 | -2.78 | 1.03E+07 |
| 1037.838 | 8217  | (e) | 5 | 104571 | (o) | 5 | -1.12 | 4.70E+08 |
| 1038.512 | 5634  | (e) | 4 | 101926 | (o) | 5 | -2.52 | 1.88E+07 |
| 1041.073 | 72011 | (o) | 6 | 168066 | (e) | 5 | -2.43 | 2.29E+07 |
| 1042.305 | 72011 | (o) | 6 | 167952 | (e) | 6 | -3.14 | 4.45E+06 |
| 1043.843 | 38532 | (e) | 2 | 134332 | (o) | 3 | -2.86 | 8.42E+06 |
| 1044.145 | 21174 | (e) | 4 | 116946 | (o) | 5 | -2.21 | 3.80E+07 |
| 1044.303 | 12547 | (e) | 4 | 108305 | (o) | 3 | -1.62 | 1.47E+08 |
| 1044.647 | 12547 | (e) | 4 | 108273 | (o) | 5 | -2.38 | 2.58E+07 |
| 1044.852 | 21174 | (e) | 4 | 116882 | (o) | 5 | -0.99 | 6.31E+08 |
| 1045.093 | 0     | (e) | 6 | 95685  | (o) | 6 | -2.04 | 5.56E+07 |
| 1045.392 | 12547 | (e) | 4 | 108205 | (o) | 4 | -1.25 | 3.44E+08 |
| 1045.615 | 0     | (e) | 6 | 95638  | (o) | 7 | -3.49 | 1.98E+06 |
| 1046.413 | 8217  | (e) | 5 | 103781 | (o) | 4 | -1.83 | 8.94E+07 |
| 1046.419 | 21174 | (e) | 4 | 116738 | (o) | 4 | -2.66 | 1.35E+07 |
| 1046.498 | 14410 | (e) | 3 | 109967 | (o) | 4 | -3.32 | 2.93E+06 |
| 1047.046 | 35329 | (e) | 6 | 130836 | (o) | 5 | -1.98 | 6.36E+07 |
| 1048.443 | 0     | (e) | 6 | 95380  | (o) | 5 | -1.66 | 1.35E+08 |
| 1049.503 | 14410 | (e) | 3 | 109694 | (o) | 3 | -2.61 | 1.50E+07 |
| 1050.428 | 21174 | (e) | 4 | 116374 | (o) | 4 | -1.92 | 7.21E+07 |
| 1051.424 | 21174 | (e) | 4 | 116283 | (o) | 4 | -1.63 | 1.40E+08 |
| 1052.404 | 72932 | (o) | 7 | 167952 | (e) | 6 | -3.07 | 5.10E+06 |
| 1052.513 | 72011 | (o) | 6 | 167022 | (e) | 6 | -2.44 | 2.18E+07 |
| 1052.901 | 14410 | (e) | 3 | 109386 | (o) | 3 | -3.03 | 5.66E+06 |
| 1053.354 | 78414 | (o) | 5 | 173348 | (e) | 5 | -2.91 | 7.44E+06 |
| 1054.246 | 0     | (e) | 6 | 94855  | (o) | 5 | -1.40 | 2.40E+08 |
| 1054.272 | 35329 | (e) | 6 | 130181 | (o) | 6 | -1.14 | 4.37E+08 |
| 1055.543 | 78414 | (o) | 5 | 173152 | (e) | 4 | -3.61 | 1.48E+06 |
| 1056.710 | 21174 | (e) | 4 | 115808 | (o) | 3 | -1.99 | 6.10E+07 |
| 1057.036 | 21174 | (e) | 4 | 115778 | (o) | 5 | -1.70 | 1.18E+08 |
| 1057.038 | 15090 | (e) | 2 | 109694 | (o) | 3 | -2.32 | 2.89E+07 |
| 1057.395 | 72011 | (o) | 6 | 166583 | (e) | 5 | -2.83 | 8.74E+06 |
| 1057.913 | 12547 | (e) | 4 | 107073 | (o) | 4 | -1.77 | 1.01E+08 |
| 1057.960 | 8217  | (e) | 5 | 102738 | (o) | 4 | -2.06 | 5.19E+07 |
| 1059.396 | 5634  | (e) | 4 | 100027 | (o) | 5 | -2.36 | 2.57E+07 |
| 1060.485 | 15090 | (e) | 2 | 109386 | (o) | 3 | -3.03 | 5.57E+06 |
| 1061.309 | 12547 | (e) | 4 | 106771 | (o) | 3 | -2.14 | 4.33E+07 |
| 1061.535 | 28163 | (e) | 2 | 122366 | (o) | 2 | -1.89 | 7.53E+07 |
| 1062.274 | 12547 | (e) | 4 | 106685 | (o) | 4 | -1.74 | 1.08E+08 |
| 1062.444 | 79226 | (o) | 6 | 173348 | (e) | 5 | -2.60 | 1.50E+07 |
| 1062.474 | 0     | (e) | 6 | 94120  | (o) | 6 | -0.90 | 7.44E+08 |
| 1062.812 | 72932 | (o) | 7 | 167022 | (e) | 6 | -2.01 | 5.70E+07 |
| 1064.841 | 5634  | (e) | 4 | 99545  | (o) | 4 | -1.38 | 2.46E+08 |
| 1065.026 | 14410 | (e) | 3 | 108305 | (o) | 3 | -3.15 | 4.19E+06 |

|          |       |     |   |        |     |   |       |          |
|----------|-------|-----|---|--------|-----|---|-------|----------|
| 1065.168 | 8217  | (e) | 5 | 102099 | (o) | 5 | -3.15 | 4.12E+06 |
| 1066.060 | 8217  | (e) | 5 | 102020 | (o) | 6 | -2.05 | 5.21E+07 |
| 1066.158 | 14410 | (e) | 3 | 108205 | (o) | 4 | -2.66 | 1.28E+07 |
| 1067.077 | 72011 | (o) | 6 | 165725 | (e) | 6 | -2.61 | 1.43E+07 |
| 1067.134 | 8217  | (e) | 5 | 101926 | (o) | 5 | -2.31 | 2.90E+07 |
| 1067.237 | 72011 | (o) | 6 | 165711 | (e) | 5 | -3.63 | 1.38E+06 |
| 1070.107 | 5634  | (e) | 4 | 99083  | (o) | 4 | -1.38 | 2.42E+08 |
| 1072.786 | 15090 | (e) | 2 | 108305 | (o) | 3 | -2.15 | 4.10E+07 |
| 1073.498 | 5634  | (e) | 4 | 98787  | (o) | 3 | -2.34 | 2.64E+07 |
| 1074.273 | 28163 | (e) | 2 | 121249 | (o) | 2 | -1.71 | 1.13E+08 |
| 1075.331 | 21174 | (e) | 4 | 114169 | (o) | 5 | -2.00 | 5.80E+07 |
| 1075.604 | 0     | (e) | 6 | 92971  | (o) | 7 | -3.67 | 1.23E+06 |
| 1075.648 | 28163 | (e) | 2 | 121130 | (o) | 3 | -2.12 | 4.43E+07 |
| 1077.664 | 72932 | (o) | 7 | 165725 | (e) | 6 | -2.59 | 1.46E+07 |
| 1077.687 | 21174 | (e) | 4 | 113965 | (o) | 5 | -3.73 | 1.06E+06 |
| 1079.259 | 78414 | (o) | 5 | 171070 | (e) | 6 | -3.15 | 4.04E+06 |
| 1079.797 | 35329 | (e) | 6 | 127939 | (o) | 6 | -1.00 | 5.80E+08 |
| 1079.811 | 12547 | (e) | 4 | 105156 | (o) | 5 | -1.63 | 1.34E+08 |
| 1080.108 | 0     | (e) | 6 | 92583  | (o) | 6 | -1.08 | 4.80E+08 |
| 1080.664 | 78414 | (o) | 5 | 170949 | (e) | 5 | -2.58 | 1.49E+07 |
| 1081.067 | 5634  | (e) | 4 | 98135  | (o) | 4 | -1.15 | 4.06E+08 |
| 1081.318 | 72932 | (o) | 7 | 165411 | (e) | 7 | -3.23 | 3.32E+06 |
| 1082.719 | 14410 | (e) | 3 | 106771 | (o) | 3 | -1.72 | 1.08E+08 |
| 1083.668 | 21174 | (e) | 4 | 113453 | (o) | 3 | -3.68 | 1.18E+06 |
| 1083.723 | 14410 | (e) | 3 | 106685 | (o) | 4 | -1.00 | 5.64E+08 |
| 1083.812 | 21174 | (e) | 4 | 113441 | (o) | 5 | -2.87 | 7.75E+06 |
| 1084.596 | 38532 | (e) | 2 | 130733 | (o) | 3 | -2.03 | 5.33E+07 |
| 1086.197 | 28163 | (e) | 2 | 120228 | (o) | 2 | -2.33 | 2.66E+07 |
| 1086.351 | 14410 | (e) | 3 | 106462 | (o) | 2 | -1.89 | 7.25E+07 |
| 1086.677 | 12547 | (e) | 4 | 104571 | (o) | 5 | -3.10 | 4.51E+06 |
| 1086.878 | 0     | (e) | 6 | 92007  | (o) | 5 | -2.54 | 1.63E+07 |
| 1086.919 | 5634  | (e) | 4 | 97637  | (o) | 5 | -1.68 | 1.18E+08 |
| 1086.939 | 21174 | (e) | 4 | 113176 | (o) | 3 | -3.93 | 6.59E+05 |
| 1087.223 | 28163 | (e) | 2 | 120141 | (o) | 3 | -2.58 | 1.47E+07 |
| 1088.804 | 79226 | (o) | 6 | 171070 | (e) | 6 | -3.21 | 3.50E+06 |
| 1089.197 | 8217  | (e) | 5 | 100027 | (o) | 5 | -1.58 | 1.48E+08 |
| 1089.278 | 5634  | (e) | 4 | 97438  | (o) | 3 | -2.28 | 2.97E+07 |
| 1090.686 | 5634  | (e) | 4 | 97319  | (o) | 4 | -2.13 | 4.15E+07 |
| 1090.739 | 15090 | (e) | 2 | 106771 | (o) | 3 | -2.02 | 5.37E+07 |
| 1090.974 | 35329 | (e) | 6 | 126991 | (o) | 5 | -2.96 | 6.16E+06 |
| 1094.427 | 15090 | (e) | 2 | 106462 | (o) | 2 | -1.95 | 6.28E+07 |
| 1094.955 | 8217  | (e) | 5 | 99545  | (o) | 4 | -2.97 | 5.95E+06 |
| 1095.077 | 21174 | (e) | 4 | 112492 | (o) | 5 | -2.56 | 1.54E+07 |
| 1096.074 | 21174 | (e) | 4 | 112409 | (o) | 4 | -2.20 | 3.50E+07 |
| 1096.082 | 12547 | (e) | 4 | 103781 | (o) | 4 | -1.69 | 1.14E+08 |
| 1098.158 | 0     | (e) | 6 | 91062  | (o) | 7 | -1.50 | 1.73E+08 |
| 1099.070 | 28163 | (e) | 2 | 119149 | (o) | 3 | -2.25 | 3.08E+07 |
| 1100.523 | 8217  | (e) | 5 | 99083  | (o) | 4 | -1.95 | 6.21E+07 |

|          |       |     |   |        |     |   |       |          |
|----------|-------|-----|---|--------|-----|---|-------|----------|
| 1100.810 | 0     | (e) | 6 | 90842  | (o) | 6 | -2.15 | 3.85E+07 |
| 1100.970 | 5634  | (e) | 4 | 96463  | (o) | 4 | -1.60 | 1.38E+08 |
| 1101.142 | 35329 | (e) | 6 | 126144 | (o) | 6 | -1.15 | 3.88E+08 |
| 1102.130 | 38532 | (e) | 2 | 129266 | (o) | 3 | -2.70 | 1.09E+07 |
| 1102.360 | 35329 | (e) | 6 | 126044 | (o) | 7 | -1.00 | 5.54E+08 |
| 1102.447 | 21174 | (e) | 4 | 111881 | (o) | 5 | -2.91 | 6.85E+06 |
| 1103.144 | 72011 | (o) | 6 | 162661 | (e) | 5 | -2.76 | 9.49E+06 |
| 1105.650 | 5634  | (e) | 4 | 96079  | (o) | 3 | -2.38 | 2.27E+07 |
| 1106.635 | 78414 | (o) | 5 | 168778 | (e) | 4 | -3.16 | 3.75E+06 |
| 1107.044 | 28163 | (e) | 2 | 118494 | (o) | 3 | -2.41 | 2.11E+07 |
| 1108.758 | 12547 | (e) | 4 | 102738 | (o) | 4 | -1.96 | 5.97E+07 |
| 1109.135 | 0     | (e) | 6 | 90160  | (o) | 5 | -3.64 | 1.25E+06 |
| 1109.820 | 8217  | (e) | 5 | 98321  | (o) | 5 | -1.30 | 2.70E+08 |
| 1110.428 | 83293 | (o) | 5 | 173348 | (e) | 5 | -3.17 | 3.65E+06 |
| 1112.118 | 8217  | (e) | 5 | 98135  | (o) | 4 | -2.17 | 3.62E+07 |
| 1112.861 | 83293 | (o) | 5 | 173152 | (e) | 4 | -2.90 | 6.80E+06 |
| 1112.976 | 38532 | (e) | 2 | 128382 | (o) | 3 | -2.57 | 1.47E+07 |
| 1113.258 | 75585 | (o) | 8 | 165411 | (e) | 7 | -3.28 | 2.82E+06 |
| 1113.589 | 83549 | (o) | 4 | 173348 | (e) | 5 | -3.22 | 3.24E+06 |
| 1113.925 | 72011 | (o) | 6 | 161784 | (e) | 6 | -3.26 | 2.92E+06 |
| 1114.262 | 5634  | (e) | 4 | 95380  | (o) | 5 | -1.16 | 3.70E+08 |
| 1114.382 | 78414 | (o) | 5 | 168149 | (e) | 4 | -3.53 | 1.57E+06 |
| 1115.220 | 72011 | (o) | 6 | 161679 | (e) | 7 | -2.50 | 1.71E+07 |
| 1115.422 | 78414 | (o) | 5 | 168066 | (e) | 5 | -2.57 | 1.43E+07 |
| 1116.037 | 83549 | (o) | 4 | 173152 | (e) | 4 | -2.60 | 1.36E+07 |
| 1116.678 | 12547 | (e) | 4 | 102099 | (o) | 5 | -1.59 | 1.38E+08 |
| 1116.701 | 21174 | (e) | 4 | 110724 | (o) | 5 | -2.01 | 5.18E+07 |
| 1116.837 | 78414 | (o) | 5 | 167952 | (e) | 6 | -3.77 | 8.99E+05 |
| 1118.313 | 8217  | (e) | 5 | 97637  | (o) | 5 | -1.58 | 1.41E+08 |
| 1118.838 | 12547 | (e) | 4 | 101926 | (o) | 5 | -3.96 | 5.85E+05 |
| 1118.932 | 14410 | (e) | 3 | 103781 | (o) | 4 | -3.80 | 8.53E+05 |
| 1119.315 | 38532 | (e) | 2 | 127873 | (o) | 3 | -1.26 | 2.93E+08 |
| 1119.732 | 35329 | (e) | 6 | 124636 | (o) | 5 | -1.65 | 1.20E+08 |
| 1120.819 | 5634  | (e) | 4 | 94855  | (o) | 5 | -2.17 | 3.56E+07 |
| 1122.301 | 8217  | (e) | 5 | 97319  | (o) | 4 | -2.34 | 2.45E+07 |
| 1123.081 | 35329 | (e) | 6 | 124370 | (o) | 6 | -1.95 | 5.90E+07 |
| 1123.764 | 14410 | (e) | 3 | 103397 | (o) | 2 | -2.29 | 2.72E+07 |
| 1123.783 | 5634  | (e) | 4 | 94619  | (o) | 3 | -3.14 | 3.78E+06 |
| 1125.332 | 84486 | (o) | 6 | 173348 | (e) | 5 | -3.49 | 1.69E+06 |
| 1125.467 | 72932 | (o) | 7 | 161784 | (e) | 6 | -2.90 | 6.57E+06 |
| 1125.620 | 79226 | (o) | 6 | 168066 | (e) | 5 | -2.80 | 8.41E+06 |
| 1126.214 | 21174 | (e) | 4 | 109967 | (o) | 4 | -1.86 | 7.39E+07 |
| 1126.565 | 8217  | (e) | 5 | 96982  | (o) | 6 | -1.42 | 2.00E+08 |
| 1126.789 | 72932 | (o) | 7 | 161679 | (e) | 7 | -2.98 | 5.49E+06 |
| 1127.061 | 79226 | (o) | 6 | 167952 | (e) | 6 | -3.23 | 3.11E+06 |
| 1129.696 | 21174 | (e) | 4 | 109694 | (o) | 3 | -3.87 | 7.14E+05 |
| 1132.146 | 14410 | (e) | 3 | 102738 | (o) | 4 | -1.85 | 7.41E+07 |
| 1132.407 | 15090 | (e) | 2 | 103397 | (o) | 2 | -2.11 | 4.11E+07 |

|          |       |     |   |        |     |   |       |          |
|----------|-------|-----|---|--------|-----|---|-------|----------|
| 1133.192 | 8217  | (e) | 5 | 96463  | (o) | 4 | -2.45 | 1.85E+07 |
| 1133.442 | 0     | (e) | 6 | 88227  | (o) | 6 | -1.92 | 6.25E+07 |
| 1133.634 | 21174 | (e) | 4 | 109386 | (o) | 3 | -2.48 | 1.73E+07 |
| 1133.878 | 5634  | (e) | 4 | 93827  | (o) | 4 | -1.76 | 8.94E+07 |
| 1134.023 | 72932 | (o) | 7 | 161113 | (e) | 8 | -2.84 | 7.51E+06 |
| 1134.161 | 14410 | (e) | 3 | 102581 | (o) | 2 | -2.48 | 1.74E+07 |
| 1134.179 | 78414 | (o) | 5 | 166583 | (e) | 5 | -2.68 | 1.09E+07 |
| 1134.791 | 0     | (e) | 6 | 88122  | (o) | 5 | -3.04 | 4.75E+06 |
| 1136.320 | 83293 | (o) | 5 | 171297 | (e) | 4 | -3.13 | 3.83E+06 |
| 1136.984 | 0     | (e) | 6 | 87952  | (o) | 6 | -1.75 | 9.05E+07 |
| 1137.340 | 35329 | (e) | 6 | 123254 | (o) | 6 | -1.42 | 1.96E+08 |
| 1138.015 | 0     | (e) | 6 | 87872  | (o) | 7 | -1.61 | 1.27E+08 |
| 1138.867 | 85542 | (o) | 5 | 173348 | (e) | 5 | -2.18 | 3.39E+07 |
| 1139.006 | 79226 | (o) | 6 | 167022 | (e) | 6 | -3.43 | 1.92E+06 |
| 1139.040 | 38532 | (e) | 2 | 126326 | (o) | 3 | -2.67 | 1.12E+07 |
| 1139.255 | 83293 | (o) | 5 | 171070 | (e) | 6 | -2.87 | 6.88E+06 |
| 1139.505 | 35329 | (e) | 6 | 123087 | (o) | 5 | -3.02 | 4.91E+06 |
| 1140.412 | 80265 | (o) | 7 | 167952 | (e) | 6 | -3.73 | 9.65E+05 |
| 1140.820 | 83293 | (o) | 5 | 170949 | (e) | 5 | -3.38 | 2.15E+06 |
| 1140.976 | 28163 | (e) | 2 | 115808 | (o) | 3 | -1.52 | 1.53E+08 |
| 1141.427 | 85542 | (o) | 5 | 173152 | (e) | 4 | -1.98 | 5.36E+07 |
| 1142.338 | 83530 | (o) | 7 | 171070 | (e) | 6 | -2.85 | 7.28E+06 |
| 1142.965 | 15090 | (e) | 2 | 102581 | (o) | 2 | -1.75 | 9.19E+07 |
| 1143.268 | 8217  | (e) | 5 | 95685  | (o) | 6 | -2.41 | 2.00E+07 |
| 1144.299 | 72011 | (o) | 6 | 159401 | (e) | 5 | -2.90 | 6.44E+06 |
| 1144.725 | 79226 | (o) | 6 | 166583 | (e) | 5 | -2.33 | 2.35E+07 |
| 1145.327 | 78414 | (o) | 5 | 165725 | (e) | 6 | -2.71 | 9.80E+06 |
| 1145.510 | 78414 | (o) | 5 | 165711 | (e) | 5 | -3.47 | 1.73E+06 |
| 1147.279 | 8217  | (e) | 5 | 95380  | (o) | 5 | -1.82 | 7.64E+07 |
| 1147.702 | 21174 | (e) | 4 | 108305 | (o) | 3 | -2.46 | 1.74E+07 |
| 1148.117 | 21174 | (e) | 4 | 108273 | (o) | 5 | -2.29 | 2.59E+07 |
| 1148.228 | 0     | (e) | 6 | 87091  | (o) | 5 | -2.94 | 5.77E+06 |
| 1149.017 | 21174 | (e) | 4 | 108205 | (o) | 4 | -2.36 | 2.23E+07 |
| 1149.459 | 12547 | (e) | 4 | 99545  | (o) | 4 | -1.75 | 9.02E+07 |
| 1150.669 | 28163 | (e) | 2 | 115069 | (o) | 2 | -3.79 | 8.14E+05 |
| 1151.578 | 78414 | (o) | 5 | 165251 | (e) | 4 | -2.68 | 1.04E+07 |
| 1151.754 | 28163 | (e) | 2 | 114987 | (o) | 3 | -3.71 | 9.87E+05 |
| 1152.453 | 86577 | (o) | 4 | 173348 | (e) | 5 | -3.15 | 3.54E+06 |
| 1152.644 | 80265 | (o) | 7 | 167022 | (e) | 6 | -2.60 | 1.25E+07 |
| 1153.005 | 38532 | (e) | 2 | 125262 | (o) | 3 | -2.48 | 1.65E+07 |
| 1153.168 | 0     | (e) | 6 | 86718  | (o) | 6 | -0.81 | 7.73E+08 |
| 1153.285 | 35329 | (e) | 6 | 122038 | (o) | 5 | -2.15 | 3.54E+07 |
| 1153.387 | 38532 | (e) | 2 | 125234 | (o) | 2 | -2.87 | 6.83E+06 |
| 1154.231 | 8217  | (e) | 5 | 94855  | (o) | 5 | -1.20 | 3.17E+08 |
| 1154.323 | 86718 | (o) | 6 | 173348 | (e) | 5 | -3.16 | 3.49E+06 |
| 1154.643 | 74506 | (o) | 9 | 161113 | (e) | 8 | -1.68 | 1.04E+08 |
| 1154.948 | 84486 | (o) | 6 | 171070 | (e) | 6 | -3.17 | 3.36E+06 |
| 1155.597 | 12547 | (e) | 4 | 99083  | (o) | 4 | -3.37 | 2.14E+06 |

|          |       |     |   |        |     |   |       |          |
|----------|-------|-----|---|--------|-----|---|-------|----------|
| 1156.082 | 79226 | (o) | 6 | 165725 | (e) | 6 | -2.21 | 3.07E+07 |
| 1156.269 | 79226 | (o) | 6 | 165711 | (e) | 5 | -3.02 | 4.80E+06 |
| 1156.557 | 84486 | (o) | 6 | 170949 | (e) | 5 | -2.97 | 5.36E+06 |
| 1157.774 | 5634  | (e) | 4 | 92007  | (o) | 5 | -2.42 | 1.87E+07 |
| 1160.287 | 79226 | (o) | 6 | 165411 | (e) | 7 | -2.11 | 3.84E+07 |
| 1160.826 | 0     | (e) | 6 | 86146  | (o) | 7 | -1.25 | 2.74E+08 |
| 1161.516 | 75585 | (o) | 8 | 161679 | (e) | 7 | -2.94 | 5.72E+06 |
| 1161.968 | 87091 | (o) | 5 | 173152 | (e) | 4 | -3.38 | 2.06E+06 |
| 1164.101 | 8217  | (e) | 5 | 94120  | (o) | 6 | -1.53 | 1.46E+08 |
| 1164.161 | 21174 | (e) | 4 | 107073 | (o) | 4 | -1.83 | 7.23E+07 |
| 1165.852 | 12547 | (e) | 4 | 98321  | (o) | 5 | -2.78 | 8.16E+06 |
| 1166.119 | 85542 | (o) | 5 | 171297 | (e) | 4 | -2.00 | 4.87E+07 |
| 1168.085 | 8217  | (e) | 5 | 93827  | (o) | 4 | -2.34 | 2.23E+07 |
| 1168.275 | 21174 | (e) | 4 | 106771 | (o) | 3 | -2.50 | 1.54E+07 |
| 1168.388 | 12547 | (e) | 4 | 98135  | (o) | 4 | -2.67 | 1.04E+07 |
| 1168.953 | 35329 | (e) | 6 | 120876 | (o) | 5 | -2.35 | 2.19E+07 |
| 1169.017 | 0     | (e) | 6 | 85542  | (o) | 5 | -1.45 | 1.74E+08 |
| 1169.204 | 75585 | (o) | 8 | 161113 | (e) | 8 | -1.97 | 5.20E+07 |
| 1169.210 | 85542 | (o) | 5 | 171070 | (e) | 6 | -2.96 | 5.34E+06 |
| 1169.445 | 21174 | (e) | 4 | 106685 | (o) | 4 | -3.00 | 4.84E+06 |
| 1169.803 | 83293 | (o) | 5 | 168778 | (e) | 4 | -2.71 | 9.52E+06 |
| 1170.134 | 80265 | (o) | 7 | 165725 | (e) | 6 | -2.77 | 8.24E+06 |
| 1170.858 | 85542 | (o) | 5 | 170949 | (e) | 5 | -2.22 | 2.95E+07 |
| 1171.009 | 87952 | (o) | 6 | 173348 | (e) | 5 | -3.23 | 2.91E+06 |
| 1172.469 | 28163 | (e) | 2 | 113453 | (o) | 3 | -1.94 | 5.61E+07 |
| 1172.488 | 80123 | (o) | 8 | 165411 | (e) | 7 | -1.93 | 5.71E+07 |
| 1173.312 | 83549 | (o) | 4 | 168778 | (e) | 4 | -2.41 | 1.90E+07 |
| 1173.344 | 88122 | (o) | 5 | 173348 | (e) | 5 | -2.89 | 6.25E+06 |
| 1174.442 | 80265 | (o) | 7 | 165411 | (e) | 7 | -3.22 | 2.92E+06 |
| 1174.615 | 14410 | (e) | 3 | 99545  | (o) | 4 | -2.13 | 3.58E+07 |
| 1174.789 | 88227 | (o) | 6 | 173348 | (e) | 5 | -3.32 | 2.32E+06 |
| 1175.227 | 12547 | (e) | 4 | 97637  | (o) | 5 | -2.42 | 1.84E+07 |
| 1176.061 | 88122 | (o) | 5 | 173152 | (e) | 4 | -3.36 | 2.13E+06 |
| 1176.283 | 72011 | (o) | 6 | 157025 | (e) | 5 | -2.90 | 6.05E+06 |
| 1176.298 | 28163 | (e) | 2 | 113176 | (o) | 3 | -1.59 | 1.23E+08 |
| 1177.520 | 86146 | (o) | 7 | 171070 | (e) | 6 | -1.87 | 6.59E+07 |
| 1177.940 | 35329 | (e) | 6 | 120223 | (o) | 7 | -1.62 | 1.15E+08 |
| 1177.985 | 12547 | (e) | 4 | 97438  | (o) | 3 | -3.72 | 9.09E+05 |
| 1178.463 | 83293 | (o) | 5 | 168149 | (e) | 4 | -2.62 | 1.14E+07 |
| 1179.625 | 83293 | (o) | 5 | 168066 | (e) | 5 | -1.89 | 6.10E+07 |
| 1179.632 | 12547 | (e) | 4 | 97319  | (o) | 4 | -3.18 | 3.14E+06 |
| 1180.366 | 86577 | (o) | 4 | 171297 | (e) | 4 | -2.13 | 3.55E+07 |
| 1181.025 | 14410 | (e) | 3 | 99083  | (o) | 4 | -3.15 | 3.36E+06 |
| 1182.024 | 83549 | (o) | 4 | 168149 | (e) | 4 | -2.90 | 6.04E+06 |
| 1183.063 | 5634  | (e) | 4 | 90160  | (o) | 5 | -3.01 | 4.63E+06 |
| 1183.194 | 83549 | (o) | 4 | 168066 | (e) | 5 | -1.92 | 5.77E+07 |
| 1183.631 | 0     | (e) | 6 | 84486  | (o) | 6 | -1.02 | 4.58E+08 |
| 1185.157 | 14410 | (e) | 3 | 98787  | (o) | 3 | -2.56 | 1.29E+07 |

|          |       |     |   |        |     |   |       |          |
|----------|-------|-----|---|--------|-----|---|-------|----------|
| 1185.223 | 86577 | (o) | 4 | 170949 | (e) | 5 | -3.82 | 7.23E+05 |
| 1185.303 | 8217  | (e) | 5 | 92583  | (o) | 6 | -1.82 | 7.18E+07 |
| 1186.711 | 78414 | (o) | 5 | 162680 | (e) | 4 | -2.41 | 1.86E+07 |
| 1186.980 | 78414 | (o) | 5 | 162661 | (e) | 5 | -2.70 | 9.49E+06 |
| 1187.201 | 86718 | (o) | 6 | 170949 | (e) | 5 | -1.86 | 6.47E+07 |
| 1187.567 | 87091 | (o) | 5 | 171297 | (e) | 4 | -1.99 | 4.91E+07 |
| 1189.696 | 28163 | (e) | 2 | 112218 | (o) | 3 | -2.75 | 8.32E+06 |
| 1190.734 | 21174 | (e) | 4 | 105156 | (o) | 5 | -2.46 | 1.65E+07 |
| 1190.773 | 87091 | (o) | 5 | 171070 | (e) | 6 | -2.30 | 2.38E+07 |
| 1191.670 | 12547 | (e) | 4 | 96463  | (o) | 4 | -1.22 | 2.82E+08 |
| 1192.483 | 87091 | (o) | 5 | 170949 | (e) | 5 | -2.66 | 1.02E+07 |
| 1192.834 | 38532 | (e) | 2 | 122366 | (o) | 2 | -2.12 | 3.57E+07 |
| 1193.461 | 8217  | (e) | 5 | 92007  | (o) | 5 | -1.73 | 8.78E+07 |
| 1193.728 | 35329 | (e) | 6 | 119101 | (o) | 7 | -1.68 | 9.72E+07 |
| 1194.336 | 83293 | (o) | 5 | 167022 | (e) | 6 | -2.11 | 3.60E+07 |
| 1194.337 | 35329 | (e) | 6 | 119058 | (o) | 5 | -2.40 | 1.88E+07 |
| 1194.389 | 14410 | (e) | 3 | 98135  | (o) | 4 | -2.12 | 3.57E+07 |
| 1194.774 | 15090 | (e) | 2 | 98787  | (o) | 3 | -2.45 | 1.66E+07 |
| 1196.459 | 84486 | (o) | 6 | 168066 | (e) | 5 | -2.26 | 2.55E+07 |
| 1197.156 | 12547 | (e) | 4 | 96079  | (o) | 3 | -2.03 | 4.38E+07 |
| 1197.174 | 0     | (e) | 6 | 83530  | (o) | 7 | -1.15 | 3.30E+08 |
| 1197.724 | 83530 | (o) | 7 | 167022 | (e) | 6 | -3.08 | 3.89E+06 |
| 1198.535 | 79226 | (o) | 6 | 162661 | (e) | 5 | -3.08 | 3.83E+06 |
| 1198.617 | 89919 | (o) | 4 | 173348 | (e) | 5 | -2.92 | 5.53E+06 |
| 1199.088 | 21174 | (e) | 4 | 104571 | (o) | 5 | -2.42 | 1.79E+07 |
| 1199.472 | 78414 | (o) | 5 | 161784 | (e) | 6 | -1.03 | 4.29E+08 |
| 1200.395 | 87991 | (o) | 4 | 171297 | (e) | 4 | -1.77 | 7.95E+07 |
| 1200.579 | 0     | (e) | 6 | 83293  | (o) | 5 | -1.57 | 1.24E+08 |
| 1201.408 | 85542 | (o) | 5 | 168778 | (e) | 4 | -2.91 | 5.62E+06 |
| 1201.452 | 89919 | (o) | 4 | 173152 | (e) | 4 | -3.34 | 2.13E+06 |
| 1201.959 | 87872 | (o) | 7 | 171070 | (e) | 6 | -3.90 | 5.86E+05 |
| 1202.291 | 88122 | (o) | 5 | 171297 | (e) | 4 | -2.44 | 1.67E+07 |
| 1202.609 | 82259 | (o) | 8 | 165411 | (e) | 7 | -1.53 | 1.37E+08 |
| 1203.112 | 87952 | (o) | 6 | 171070 | (e) | 6 | -2.28 | 2.45E+07 |
| 1204.321 | 83549 | (o) | 4 | 166583 | (e) | 5 | -2.75 | 8.26E+06 |
| 1204.420 | 14410 | (e) | 3 | 97438  | (o) | 3 | -3.12 | 3.46E+06 |
| 1204.858 | 87952 | (o) | 6 | 170949 | (e) | 5 | -1.53 | 1.38E+08 |
| 1204.986 | 78414 | (o) | 5 | 161402 | (e) | 5 | -1.43 | 1.71E+08 |
| 1205.418 | 87991 | (o) | 4 | 170949 | (e) | 5 | -1.31 | 2.23E+08 |
| 1205.420 | 35329 | (e) | 6 | 118288 | (o) | 5 | -2.91 | 5.55E+06 |
| 1205.577 | 88122 | (o) | 5 | 171070 | (e) | 6 | -1.67 | 9.74E+07 |
| 1206.142 | 14410 | (e) | 3 | 97319  | (o) | 4 | -1.67 | 9.83E+07 |
| 1207.103 | 88227 | (o) | 6 | 171070 | (e) | 6 | -1.80 | 7.22E+07 |
| 1207.259 | 12547 | (e) | 4 | 95380  | (o) | 5 | -2.26 | 2.52E+07 |
| 1207.331 | 88122 | (o) | 5 | 170949 | (e) | 5 | -1.67 | 9.72E+07 |
| 1208.355 | 8217  | (e) | 5 | 90974  | (o) | 4 | -1.95 | 5.19E+07 |
| 1208.861 | 88227 | (o) | 6 | 170949 | (e) | 5 | -2.13 | 3.37E+07 |
| 1208.941 | 38532 | (e) | 2 | 121249 | (o) | 2 | -1.95 | 5.11E+07 |

|          |       |     |   |        |     |   |       |          |
|----------|-------|-----|---|--------|-----|---|-------|----------|
| 1210.280 | 8217  | (e) | 5 | 90842  | (o) | 6 | -2.61 | 1.12E+07 |
| 1210.544 | 85542 | (o) | 5 | 168149 | (e) | 4 | -2.51 | 1.39E+07 |
| 1210.550 | 21174 | (e) | 4 | 103781 | (o) | 4 | -2.63 | 1.07E+07 |
| 1210.683 | 38532 | (e) | 2 | 121130 | (o) | 3 | -1.27 | 2.44E+08 |
| 1211.272 | 79226 | (o) | 6 | 161784 | (e) | 6 | -1.26 | 2.52E+08 |
| 1211.594 | 84486 | (o) | 6 | 167022 | (e) | 6 | -3.13 | 3.34E+06 |
| 1211.771 | 85542 | (o) | 5 | 168066 | (e) | 5 | -1.82 | 6.87E+07 |
| 1212.298 | 5634  | (e) | 4 | 88122  | (o) | 5 | -2.21 | 2.82E+07 |
| 1212.406 | 72011 | (o) | 6 | 154492 | (e) | 6 | -1.30 | 2.26E+08 |
| 1212.780 | 72011 | (o) | 6 | 154466 | (e) | 7 | -0.67 | 9.63E+08 |
| 1212.804 | 79226 | (o) | 6 | 161679 | (e) | 7 | -0.67 | 9.71E+08 |
| 1213.071 | 78678 | (o) | 9 | 161113 | (e) | 8 | -2.26 | 2.51E+07 |
| 1213.124 | 83293 | (o) | 5 | 165725 | (e) | 6 | -1.08 | 3.75E+08 |
| 1213.330 | 83293 | (o) | 5 | 165711 | (e) | 5 | -1.82 | 6.87E+07 |
| 1213.440 | 85542 | (o) | 5 | 167952 | (e) | 6 | -3.80 | 7.09E+05 |
| 1213.966 | 90974 | (o) | 4 | 173348 | (e) | 5 | -3.18 | 2.97E+06 |
| 1214.233 | 5634  | (e) | 4 | 87991  | (o) | 4 | -3.11 | 3.51E+06 |
| 1214.354 | 15090 | (e) | 2 | 97438  | (o) | 3 | -2.03 | 4.21E+07 |
| 1214.960 | 12547 | (e) | 4 | 94855  | (o) | 5 | -1.56 | 1.26E+08 |
| 1215.396 | 35329 | (e) | 6 | 117607 | (o) | 6 | -2.29 | 2.30E+07 |
| 1216.519 | 35329 | (e) | 6 | 117531 | (o) | 7 | -2.01 | 4.44E+07 |
| 1216.536 | 86577 | (o) | 4 | 168778 | (e) | 4 | -2.35 | 2.02E+07 |
| 1216.620 | 83530 | (o) | 7 | 165725 | (e) | 6 | -1.95 | 5.07E+07 |
| 1216.875 | 90974 | (o) | 4 | 173152 | (e) | 4 | -2.78 | 7.52E+06 |
| 1216.896 | 79226 | (o) | 6 | 161402 | (e) | 5 | -2.13 | 3.32E+07 |
| 1217.105 | 83549 | (o) | 4 | 165711 | (e) | 5 | -1.33 | 2.08E+08 |
| 1217.905 | 14410 | (e) | 3 | 96519  | (o) | 2 | -2.90 | 5.70E+06 |
| 1218.067 | 84486 | (o) | 6 | 166583 | (e) | 5 | -2.19 | 2.88E+07 |
| 1218.443 | 12547 | (e) | 4 | 94619  | (o) | 3 | -2.29 | 2.28E+07 |
| 1220.139 | 83293 | (o) | 5 | 165251 | (e) | 4 | -2.48 | 1.47E+07 |
| 1220.351 | 8217  | (e) | 5 | 90160  | (o) | 5 | -2.16 | 3.07E+07 |
| 1221.278 | 83530 | (o) | 7 | 165411 | (e) | 7 | -1.03 | 4.12E+08 |
| 1222.394 | 86146 | (o) | 7 | 167952 | (e) | 6 | -2.12 | 3.43E+07 |
| 1223.957 | 83549 | (o) | 4 | 165251 | (e) | 4 | -1.27 | 2.40E+08 |
| 1223.957 | 8217  | (e) | 5 | 89919  | (o) | 4 | -1.80 | 7.12E+07 |
| 1224.063 | 38532 | (e) | 2 | 120228 | (o) | 2 | -2.61 | 1.11E+07 |
| 1224.186 | 87091 | (o) | 5 | 168778 | (e) | 4 | -2.28 | 2.34E+07 |
| 1224.468 | 14410 | (e) | 3 | 96079  | (o) | 3 | -2.50 | 1.41E+07 |
| 1225.235 | 35329 | (e) | 6 | 116946 | (o) | 5 | -3.11 | 3.46E+06 |
| 1225.366 | 38532 | (e) | 2 | 120141 | (o) | 3 | -1.98 | 4.67E+07 |
| 1225.905 | 86577 | (o) | 4 | 168149 | (e) | 4 | -1.85 | 6.27E+07 |
| 1226.030 | 21174 | (e) | 4 | 102738 | (o) | 4 | -2.24 | 2.58E+07 |
| 1226.091 | 72932 | (o) | 7 | 154492 | (e) | 6 | -1.47 | 1.49E+08 |
| 1226.141 | 80123 | (o) | 8 | 161679 | (e) | 7 | -2.24 | 2.54E+07 |
| 1226.208 | 35329 | (e) | 6 | 116882 | (o) | 5 | -1.92 | 5.31E+07 |
| 1226.474 | 72932 | (o) | 7 | 154466 | (e) | 7 | -1.16 | 3.05E+08 |
| 1226.537 | 28163 | (e) | 2 | 109694 | (o) | 3 | -2.79 | 7.24E+06 |
| 1226.707 | 80265 | (o) | 7 | 161784 | (e) | 6 | -1.74 | 8.06E+07 |

|          |       |     |   |        |     |   |       |          |
|----------|-------|-----|---|--------|-----|---|-------|----------|
| 1227.163 | 86577 | (o) | 4 | 168066 | (e) | 5 | -1.48 | 1.48E+08 |
| 1227.299 | 85542 | (o) | 5 | 167022 | (e) | 6 | -1.91 | 5.47E+07 |
| 1227.646 | 5634  | (e) | 4 | 87091  | (o) | 5 | -3.16 | 3.09E+06 |
| 1228.063 | 15090 | (e) | 2 | 96519  | (o) | 2 | -2.80 | 7.04E+06 |
| 1228.279 | 80265 | (o) | 7 | 161679 | (e) | 7 | -1.10 | 3.52E+08 |
| 1228.841 | 89919 | (o) | 4 | 171297 | (e) | 4 | -1.72 | 8.40E+07 |
| 1229.284 | 86718 | (o) | 6 | 168066 | (e) | 5 | -2.03 | 4.16E+07 |
| 1229.380 | 92007 | (o) | 5 | 173348 | (e) | 5 | -2.79 | 7.24E+06 |
| 1230.320 | 12547 | (e) | 4 | 93827  | (o) | 4 | -3.09 | 3.59E+06 |
| 1230.934 | 84486 | (o) | 6 | 165725 | (e) | 6 | -1.11 | 3.46E+08 |
| 1231.002 | 86718 | (o) | 6 | 167952 | (e) | 6 | -1.31 | 2.17E+08 |
| 1231.146 | 84486 | (o) | 6 | 165711 | (e) | 5 | -1.69 | 8.98E+07 |
| 1231.180 | 28163 | (e) | 2 | 109386 | (o) | 3 | -1.62 | 1.05E+08 |
| 1232.363 | 92007 | (o) | 5 | 173152 | (e) | 4 | -1.98 | 4.56E+07 |
| 1232.497 | 90160 | (o) | 5 | 171297 | (e) | 4 | -2.76 | 7.71E+06 |
| 1233.674 | 87091 | (o) | 5 | 168149 | (e) | 4 | -2.14 | 3.19E+07 |
| 1233.941 | 85542 | (o) | 5 | 166583 | (e) | 5 | -3.59 | 1.13E+06 |
| 1234.105 | 89919 | (o) | 4 | 170949 | (e) | 5 | -1.58 | 1.16E+08 |
| 1234.245 | 72932 | (o) | 7 | 153953 | (e) | 8 | -0.29 | 2.24E+09 |
| 1234.301 | 72011 | (o) | 6 | 153029 | (e) | 7 | -1.72 | 8.31E+07 |
| 1234.711 | 80123 | (o) | 8 | 161113 | (e) | 8 | -1.13 | 3.24E+08 |
| 1234.737 | 15090 | (e) | 2 | 96079  | (o) | 3 | -1.35 | 1.94E+08 |
| 1234.764 | 78414 | (o) | 5 | 159401 | (e) | 5 | -2.44 | 1.60E+07 |
| 1234.948 | 87091 | (o) | 5 | 168066 | (e) | 5 | -1.25 | 2.43E+08 |
| 1235.702 | 84486 | (o) | 6 | 165411 | (e) | 7 | -1.15 | 3.08E+08 |
| 1235.721 | 21174 | (e) | 4 | 102099 | (o) | 5 | -2.22 | 2.61E+07 |
| 1235.950 | 90160 | (o) | 5 | 171070 | (e) | 6 | -1.19 | 2.85E+08 |
| 1236.682 | 87091 | (o) | 5 | 167952 | (e) | 6 | -1.05 | 3.92E+08 |
| 1236.879 | 80265 | (o) | 7 | 161113 | (e) | 8 | -1.24 | 2.52E+08 |
| 1237.061 | 78414 | (o) | 5 | 159250 | (e) | 4 | -2.82 | 6.54E+06 |
| 1237.793 | 90160 | (o) | 5 | 170949 | (e) | 5 | -1.18 | 2.88E+08 |
| 1238.158 | 92583 | (o) | 6 | 173348 | (e) | 5 | -2.35 | 1.94E+07 |
| 1238.367 | 21174 | (e) | 4 | 101926 | (o) | 5 | -3.04 | 4.00E+06 |
| 1238.871 | 72011 | (o) | 6 | 152730 | (e) | 6 | -1.91 | 5.36E+07 |
| 1239.839 | 88122 | (o) | 5 | 168778 | (e) | 4 | -2.56 | 1.19E+07 |
| 1240.436 | 38532 | (e) | 2 | 119149 | (o) | 3 | -1.81 | 6.73E+07 |
| 1243.023 | 35329 | (e) | 6 | 115778 | (o) | 5 | -2.12 | 3.30E+07 |
| 1244.979 | 90974 | (o) | 4 | 171297 | (e) | 4 | -2.11 | 3.35E+07 |
| 1245.267 | 86718 | (o) | 6 | 167022 | (e) | 6 | -1.89 | 5.48E+07 |
| 1245.878 | 0     | (e) | 6 | 80265  | (o) | 7 | -1.26 | 2.35E+08 |
| 1246.454 | 90842 | (o) | 6 | 171070 | (e) | 6 | -0.52 | 1.31E+09 |
| 1246.747 | 14410 | (e) | 3 | 94619  | (o) | 3 | -3.45 | 1.51E+06 |
| 1247.147 | 85542 | (o) | 5 | 165725 | (e) | 6 | -1.11 | 3.33E+08 |
| 1247.364 | 85542 | (o) | 5 | 165711 | (e) | 5 | -1.50 | 1.36E+08 |
| 1247.523 | 87991 | (o) | 4 | 168149 | (e) | 4 | -1.75 | 7.71E+07 |
| 1247.792 | 28163 | (e) | 2 | 108305 | (o) | 3 | -2.24 | 2.46E+07 |
| 1248.225 | 87952 | (o) | 6 | 168066 | (e) | 5 | -1.23 | 2.52E+08 |
| 1248.328 | 90842 | (o) | 6 | 170949 | (e) | 5 | -3.58 | 1.14E+06 |

|          |       |     |   |        |     |   |       |          |
|----------|-------|-----|---|--------|-----|---|-------|----------|
| 1248.488 | 72932 | (o) | 7 | 153029 | (e) | 7 | -1.84 | 6.16E+07 |
| 1248.752 | 87872 | (o) | 7 | 167952 | (e) | 6 | -3.33 | 1.99E+06 |
| 1248.825 | 87991 | (o) | 4 | 168066 | (e) | 5 | -2.53 | 1.27E+07 |
| 1249.571 | 88122 | (o) | 5 | 168149 | (e) | 4 | -1.07 | 3.62E+08 |
| 1249.842 | 8217  | (e) | 5 | 88227  | (o) | 6 | -1.79 | 6.93E+07 |
| 1249.871 | 91062 | (o) | 7 | 171070 | (e) | 6 | -1.43 | 1.61E+08 |
| 1249.905 | 86577 | (o) | 4 | 166583 | (e) | 5 | -0.91 | 5.25E+08 |
| 1249.997 | 87952 | (o) | 6 | 167952 | (e) | 6 | -1.11 | 3.31E+08 |
| 1250.384 | 90974 | (o) | 4 | 170949 | (e) | 5 | -1.59 | 1.10E+08 |
| 1250.603 | 38532 | (e) | 2 | 118494 | (o) | 3 | -2.19 | 2.79E+07 |
| 1250.879 | 88122 | (o) | 5 | 168066 | (e) | 5 | -2.59 | 1.10E+07 |
| 1251.080 | 87091 | (o) | 5 | 167022 | (e) | 6 | -2.91 | 5.22E+06 |
| 1251.441 | 5634  | (e) | 4 | 85542  | (o) | 5 | -1.19 | 2.73E+08 |
| 1251.482 | 8217  | (e) | 5 | 88122  | (o) | 5 | -1.68 | 8.83E+07 |
| 1252.521 | 88227 | (o) | 6 | 168066 | (e) | 5 | -1.01 | 4.16E+08 |
| 1252.658 | 88122 | (o) | 5 | 167952 | (e) | 6 | -1.69 | 8.63E+07 |
| 1253.164 | 72932 | (o) | 7 | 152730 | (e) | 6 | -2.88 | 5.54E+06 |
| 1253.544 | 8217  | (e) | 5 | 87991  | (o) | 4 | -2.34 | 1.95E+07 |
| 1254.150 | 8217  | (e) | 5 | 87952  | (o) | 6 | -1.64 | 9.57E+07 |
| 1254.306 | 88227 | (o) | 6 | 167952 | (e) | 6 | -1.64 | 9.72E+07 |
| 1254.562 | 85542 | (o) | 5 | 165251 | (e) | 4 | -3.50 | 1.35E+06 |
| 1256.607 | 86146 | (o) | 7 | 165725 | (e) | 6 | -0.62 | 1.01E+09 |
| 1257.394 | 15090 | (e) | 2 | 94619  | (o) | 3 | -2.13 | 3.09E+07 |
| 1257.521 | 93827 | (o) | 4 | 173348 | (e) | 5 | -3.08 | 3.51E+06 |
| 1257.982 | 87091 | (o) | 5 | 166583 | (e) | 5 | -1.15 | 3.00E+08 |
| 1258.504 | 12547 | (e) | 4 | 92007  | (o) | 5 | -1.63 | 9.80E+07 |
| 1258.709 | 74506 | (o) | 9 | 153953 | (e) | 8 | -1.07 | 3.55E+08 |
| 1259.121 | 82259 | (o) | 8 | 161679 | (e) | 7 | -0.66 | 9.15E+08 |
| 1259.184 | 14410 | (e) | 3 | 93827  | (o) | 4 | -1.79 | 6.77E+07 |
| 1259.652 | 83293 | (o) | 5 | 162680 | (e) | 4 | -2.98 | 4.37E+06 |
| 1259.955 | 83293 | (o) | 5 | 162661 | (e) | 5 | -2.34 | 1.90E+07 |
| 1260.642 | 93827 | (o) | 4 | 173152 | (e) | 4 | -2.10 | 3.34E+07 |
| 1261.103 | 38532 | (e) | 2 | 117828 | (o) | 2 | -3.67 | 9.11E+05 |
| 1261.196 | 92007 | (o) | 5 | 171297 | (e) | 4 | -0.83 | 6.25E+08 |
| 1261.577 | 86146 | (o) | 7 | 165411 | (e) | 7 | -1.06 | 3.64E+08 |
| 1262.171 | 94120 | (o) | 6 | 173348 | (e) | 5 | -3.27 | 2.24E+06 |
| 1262.214 | 0     | (e) | 6 | 79226  | (o) | 6 | -1.56 | 1.16E+08 |
| 1263.434 | 87872 | (o) | 7 | 167022 | (e) | 6 | -2.92 | 4.97E+06 |
| 1263.680 | 86577 | (o) | 4 | 165711 | (e) | 5 | -1.89 | 5.39E+07 |
| 1263.722 | 83549 | (o) | 4 | 162680 | (e) | 4 | -1.90 | 5.31E+07 |
| 1264.027 | 83549 | (o) | 4 | 162661 | (e) | 5 | -3.07 | 3.54E+06 |
| 1264.707 | 87952 | (o) | 6 | 167022 | (e) | 6 | -2.49 | 1.36E+07 |
| 1264.812 | 92007 | (o) | 5 | 171070 | (e) | 6 | -2.14 | 3.03E+07 |
| 1265.705 | 86718 | (o) | 6 | 165725 | (e) | 6 | -2.13 | 3.12E+07 |
| 1265.929 | 86718 | (o) | 6 | 165711 | (e) | 5 | -0.92 | 5.05E+08 |
| 1266.742 | 92007 | (o) | 5 | 170949 | (e) | 5 | -2.33 | 1.93E+07 |
| 1267.432 | 88122 | (o) | 5 | 167022 | (e) | 6 | -1.96 | 4.59E+07 |
| 1267.729 | 75585 | (o) | 8 | 154466 | (e) | 7 | -0.97 | 4.42E+08 |

|          |       |     |   |        |     |   |       |          |
|----------|-------|-----|---|--------|-----|---|-------|----------|
| 1267.845 | 8217  | (e) | 5 | 87091  | (o) | 5 | -1.76 | 7.30E+07 |
| 1268.092 | 89919 | (o) | 4 | 168778 | (e) | 4 | -3.24 | 2.39E+06 |
| 1268.160 | 82259 | (o) | 8 | 161113 | (e) | 8 | -0.71 | 8.05E+08 |
| 1268.399 | 35329 | (e) | 6 | 114169 | (o) | 5 | -2.30 | 2.10E+07 |
| 1269.119 | 88227 | (o) | 6 | 167022 | (e) | 6 | -1.38 | 1.74E+08 |
| 1270.464 | 74506 | (o) | 9 | 153218 | (e) | 9 | -0.30 | 2.06E+09 |
| 1270.748 | 86718 | (o) | 6 | 165411 | (e) | 7 | -2.22 | 2.50E+07 |
| 1271.068 | 86577 | (o) | 4 | 165251 | (e) | 4 | -1.13 | 3.08E+08 |
| 1271.679 | 35329 | (e) | 6 | 113965 | (o) | 5 | -3.32 | 1.96E+06 |
| 1271.711 | 87091 | (o) | 5 | 165725 | (e) | 6 | -2.27 | 2.23E+07 |
| 1271.762 | 87952 | (o) | 6 | 166583 | (e) | 5 | -2.11 | 3.22E+07 |
| 1271.937 | 87091 | (o) | 5 | 165711 | (e) | 5 | -1.09 | 3.35E+08 |
| 1271.985 | 90160 | (o) | 5 | 168778 | (e) | 4 | -1.99 | 4.25E+07 |
| 1272.027 | 86797 | (o) | 8 | 165411 | (e) | 7 | -2.69 | 8.34E+06 |
| 1272.088 | 78414 | (o) | 5 | 157025 | (e) | 5 | -3.01 | 4.04E+06 |
| 1272.147 | 28163 | (e) | 2 | 106771 | (o) | 3 | -1.84 | 5.95E+07 |
| 1272.385 | 87991 | (o) | 4 | 166583 | (e) | 5 | -1.42 | 1.58E+08 |
| 1273.359 | 94619 | (o) | 3 | 173152 | (e) | 4 | -1.59 | 1.05E+08 |
| 1273.871 | 8217  | (e) | 5 | 86718  | (o) | 6 | -1.61 | 1.02E+08 |
| 1273.983 | 94855 | (o) | 5 | 173348 | (e) | 5 | -2.04 | 3.77E+07 |
| 1274.039 | 83293 | (o) | 5 | 161784 | (e) | 6 | -2.36 | 1.78E+07 |
| 1274.517 | 88122 | (o) | 5 | 166583 | (e) | 5 | -3.11 | 3.17E+06 |
| 1275.077 | 12547 | (e) | 4 | 90974  | (o) | 4 | -1.64 | 9.37E+07 |
| 1275.288 | 0     | (e) | 6 | 78414  | (o) | 5 | -2.50 | 1.30E+07 |
| 1275.990 | 21174 | (e) | 4 | 99545  | (o) | 4 | -2.28 | 2.13E+07 |
| 1276.033 | 75585 | (o) | 8 | 153953 | (e) | 8 | -0.65 | 9.20E+08 |
| 1276.063 | 92583 | (o) | 6 | 170949 | (e) | 5 | -1.35 | 1.85E+08 |
| 1276.157 | 8217  | (e) | 5 | 86577  | (o) | 4 | -3.01 | 3.97E+06 |
| 1276.222 | 88227 | (o) | 6 | 166583 | (e) | 5 | -1.51 | 1.27E+08 |
| 1277.165 | 28163 | (e) | 2 | 106462 | (o) | 2 | -2.72 | 7.87E+06 |
| 1277.896 | 83530 | (o) | 7 | 161784 | (e) | 6 | -0.67 | 8.73E+08 |
| 1278.275 | 89919 | (o) | 4 | 168149 | (e) | 4 | -0.96 | 4.47E+08 |
| 1279.178 | 84486 | (o) | 6 | 162661 | (e) | 5 | -1.85 | 5.81E+07 |
| 1279.422 | 87091 | (o) | 5 | 165251 | (e) | 4 | -1.01 | 3.94E+08 |
| 1279.643 | 89919 | (o) | 4 | 168066 | (e) | 5 | -1.48 | 1.34E+08 |
| 1280.215 | 35329 | (e) | 6 | 113441 | (o) | 5 | -2.76 | 7.11E+06 |
| 1280.262 | 83293 | (o) | 5 | 161402 | (e) | 5 | -0.63 | 9.47E+08 |
| 1280.430 | 92971 | (o) | 7 | 171070 | (e) | 6 | -1.61 | 1.01E+08 |
| 1282.125 | 79226 | (o) | 6 | 157221 | (e) | 6 | -2.24 | 2.35E+07 |
| 1282.231 | 90160 | (o) | 5 | 168149 | (e) | 4 | -0.50 | 1.30E+09 |
| 1283.454 | 5634  | (e) | 4 | 83549  | (o) | 4 | -3.49 | 1.32E+06 |
| 1283.559 | 21174 | (e) | 4 | 99083  | (o) | 4 | -3.20 | 2.58E+06 |
| 1283.608 | 90160 | (o) | 5 | 168066 | (e) | 5 | -1.44 | 1.48E+08 |
| 1284.466 | 83549 | (o) | 4 | 161402 | (e) | 5 | -0.43 | 1.49E+09 |
| 1284.478 | 87872 | (o) | 7 | 165725 | (e) | 6 | -1.10 | 3.23E+08 |
| 1285.285 | 90974 | (o) | 4 | 168778 | (e) | 4 | -2.26 | 2.19E+07 |
| 1285.369 | 79226 | (o) | 6 | 157025 | (e) | 5 | -2.00 | 4.06E+07 |
| 1285.482 | 90160 | (o) | 5 | 167952 | (e) | 6 | -1.84 | 5.91E+07 |

|          |       |     |   |        |     |   |       |          |
|----------|-------|-----|---|--------|-----|---|-------|----------|
| 1285.794 | 87952 | (o) | 6 | 165725 | (e) | 6 | -1.31 | 1.98E+08 |
| 1285.809 | 95380 | (o) | 5 | 173152 | (e) | 4 | -3.27 | 2.18E+06 |
| 1286.026 | 87952 | (o) | 6 | 165711 | (e) | 5 | -1.42 | 1.56E+08 |
| 1286.663 | 87991 | (o) | 4 | 165711 | (e) | 5 | -1.10 | 3.21E+08 |
| 1287.611 | 95685 | (o) | 6 | 173348 | (e) | 5 | -2.11 | 3.12E+07 |
| 1287.679 | 5634  | (e) | 4 | 83293  | (o) | 5 | -1.24 | 2.31E+08 |
| 1288.115 | 75585 | (o) | 8 | 153218 | (e) | 9 | -0.64 | 9.22E+08 |
| 1288.441 | 12547 | (e) | 4 | 90160  | (o) | 5 | -2.69 | 8.25E+06 |
| 1288.610 | 88122 | (o) | 5 | 165725 | (e) | 6 | -2.02 | 3.82E+07 |
| 1288.843 | 88122 | (o) | 5 | 165711 | (e) | 5 | -1.12 | 3.06E+08 |
| 1288.938 | 83530 | (o) | 7 | 161113 | (e) | 8 | -1.24 | 2.33E+08 |
| 1289.671 | 87872 | (o) | 7 | 165411 | (e) | 7 | -3.86 | 5.58E+05 |
| 1290.354 | 88227 | (o) | 6 | 165725 | (e) | 6 | -2.40 | 1.60E+07 |
| 1290.587 | 88227 | (o) | 6 | 165711 | (e) | 5 | -0.61 | 9.85E+08 |
| 1290.829 | 93827 | (o) | 4 | 171297 | (e) | 4 | -0.80 | 6.40E+08 |
| 1290.999 | 87952 | (o) | 6 | 165411 | (e) | 7 | -3.66 | 8.77E+05 |
| 1291.264 | 75585 | (o) | 8 | 153029 | (e) | 7 | -1.19 | 2.56E+08 |
| 1292.461 | 12547 | (e) | 4 | 89919  | (o) | 4 | -2.94 | 4.59E+06 |
| 1293.239 | 8217  | (e) | 5 | 85542  | (o) | 5 | -1.77 | 6.85E+07 |
| 1293.697 | 84486 | (o) | 6 | 161784 | (e) | 6 | -1.06 | 3.46E+08 |
| 1294.078 | 38532 | (e) | 2 | 115808 | (o) | 3 | -2.59 | 1.01E+07 |
| 1294.323 | 87991 | (o) | 4 | 165251 | (e) | 4 | -0.38 | 1.65E+09 |
| 1294.941 | 90842 | (o) | 6 | 168066 | (e) | 5 | -0.47 | 1.37E+09 |
| 1295.444 | 84486 | (o) | 6 | 161679 | (e) | 7 | -1.48 | 1.31E+08 |
| 1295.595 | 88227 | (o) | 6 | 165411 | (e) | 7 | -2.19 | 2.59E+07 |
| 1295.747 | 90974 | (o) | 4 | 168149 | (e) | 4 | -0.89 | 5.14E+08 |
| 1295.963 | 35329 | (e) | 6 | 112492 | (o) | 5 | -3.73 | 7.31E+05 |
| 1296.375 | 85542 | (o) | 5 | 162680 | (e) | 4 | -3.15 | 2.78E+06 |
| 1296.529 | 88122 | (o) | 5 | 165251 | (e) | 4 | -0.81 | 6.19E+08 |
| 1296.640 | 93827 | (o) | 4 | 170949 | (e) | 5 | -2.57 | 1.08E+07 |
| 1296.696 | 85542 | (o) | 5 | 162661 | (e) | 5 | -2.27 | 2.14E+07 |
| 1296.848 | 90842 | (o) | 6 | 167952 | (e) | 6 | -0.58 | 1.05E+09 |
| 1297.153 | 90974 | (o) | 4 | 168066 | (e) | 5 | -1.60 | 9.93E+07 |
| 1297.470 | 96079 | (o) | 3 | 173152 | (e) | 4 | -2.99 | 4.03E+06 |
| 1299.356 | 35329 | (e) | 6 | 112291 | (o) | 7 | -1.93 | 4.58E+07 |
| 1299.359 | 21174 | (e) | 4 | 98135  | (o) | 4 | -2.72 | 7.52E+06 |
| 1299.431 | 80265 | (o) | 7 | 157221 | (e) | 6 | -2.20 | 2.47E+07 |
| 1300.114 | 84486 | (o) | 6 | 161402 | (e) | 5 | -1.05 | 3.54E+08 |
| 1300.548 | 91062 | (o) | 7 | 167952 | (e) | 6 | -0.66 | 8.73E+08 |
| 1300.636 | 96463 | (o) | 4 | 173348 | (e) | 5 | -1.43 | 1.49E+08 |
| 1301.045 | 90160 | (o) | 5 | 167022 | (e) | 6 | -2.19 | 2.55E+07 |
| 1301.585 | 94120 | (o) | 6 | 170949 | (e) | 5 | -0.59 | 1.01E+09 |
| 1302.576 | 92007 | (o) | 5 | 168778 | (e) | 4 | -1.90 | 4.99E+07 |
| 1303.976 | 96463 | (o) | 4 | 173152 | (e) | 4 | -1.30 | 1.99E+08 |
| 1304.166 | 94619 | (o) | 3 | 171297 | (e) | 4 | -2.07 | 3.37E+07 |
| 1304.391 | 89919 | (o) | 4 | 166583 | (e) | 5 | -1.35 | 1.76E+08 |
| 1306.106 | 14410 | (e) | 3 | 90974  | (o) | 4 | -1.58 | 1.02E+08 |
| 1306.299 | 35329 | (e) | 6 | 111881 | (o) | 5 | -3.23 | 2.30E+06 |

|          |       |     |   |        |     |   |       |          |
|----------|-------|-----|---|--------|-----|---|-------|----------|
| 1307.823 | 21174 | (e) | 4 | 97637  | (o) | 5 | -3.54 | 1.13E+06 |
| 1307.960 | 38532 | (e) | 2 | 114987 | (o) | 3 | -2.74 | 7.18E+06 |
| 1308.181 | 94855 | (o) | 5 | 171297 | (e) | 4 | -0.56 | 1.08E+09 |
| 1308.511 | 90160 | (o) | 5 | 166583 | (e) | 5 | -0.96 | 4.26E+08 |
| 1309.477 | 96982 | (o) | 6 | 173348 | (e) | 5 | -1.72 | 7.44E+07 |
| 1311.147 | 8217  | (e) | 5 | 84486  | (o) | 6 | -2.96 | 4.26E+06 |
| 1311.150 | 35329 | (e) | 6 | 111598 | (o) | 6 | -2.67 | 8.24E+06 |
| 1311.239 | 21174 | (e) | 4 | 97438  | (o) | 3 | -3.77 | 6.61E+05 |
| 1311.617 | 85542 | (o) | 5 | 161784 | (e) | 6 | -0.30 | 1.96E+09 |
| 1312.073 | 94855 | (o) | 5 | 171070 | (e) | 6 | -2.46 | 1.34E+07 |
| 1312.689 | 90842 | (o) | 6 | 167022 | (e) | 6 | -1.08 | 3.26E+08 |
| 1313.280 | 21174 | (e) | 4 | 97319  | (o) | 4 | -3.67 | 8.25E+05 |
| 1313.929 | 83293 | (o) | 5 | 159401 | (e) | 5 | -2.01 | 3.78E+07 |
| 1314.007 | 86577 | (o) | 4 | 162680 | (e) | 4 | -1.70 | 7.66E+07 |
| 1314.149 | 94855 | (o) | 5 | 170949 | (e) | 5 | -0.77 | 6.66E+08 |
| 1314.337 | 86577 | (o) | 4 | 162661 | (e) | 5 | -1.01 | 3.81E+08 |
| 1314.440 | 78414 | (o) | 5 | 154492 | (e) | 6 | -0.58 | 1.01E+09 |
| 1314.767 | 92007 | (o) | 5 | 168066 | (e) | 5 | -2.34 | 1.75E+07 |
| 1314.887 | 35329 | (e) | 6 | 111381 | (o) | 6 | -3.09 | 3.16E+06 |
| 1315.286 | 97319 | (o) | 4 | 173348 | (e) | 5 | -2.91 | 4.77E+06 |
| 1316.480 | 91062 | (o) | 7 | 167022 | (e) | 6 | -2.04 | 3.55E+07 |
| 1316.530 | 83293 | (o) | 5 | 159250 | (e) | 4 | -2.95 | 4.35E+06 |
| 1316.732 | 92007 | (o) | 5 | 167952 | (e) | 6 | -1.78 | 6.38E+07 |
| 1316.770 | 86718 | (o) | 6 | 162661 | (e) | 5 | -1.44 | 1.41E+08 |
| 1317.228 | 95380 | (o) | 5 | 171297 | (e) | 4 | -1.64 | 8.76E+07 |
| 1318.214 | 85542 | (o) | 5 | 161402 | (e) | 5 | -0.73 | 7.18E+08 |
| 1318.358 | 83549 | (o) | 4 | 159401 | (e) | 5 | -2.45 | 1.36E+07 |
| 1318.701 | 97319 | (o) | 4 | 173152 | (e) | 4 | -1.35 | 1.71E+08 |
| 1319.401 | 89919 | (o) | 4 | 165711 | (e) | 5 | -0.72 | 7.26E+08 |
| 1320.291 | 90842 | (o) | 6 | 166583 | (e) | 5 | -2.30 | 1.95E+07 |
| 1320.766 | 97438 | (o) | 3 | 173152 | (e) | 4 | -0.92 | 4.55E+08 |
| 1320.806 | 97637 | (o) | 5 | 173348 | (e) | 5 | -2.34 | 1.77E+07 |
| 1320.976 | 83549 | (o) | 4 | 159250 | (e) | 4 | -1.36 | 1.69E+08 |
| 1321.174 | 95380 | (o) | 5 | 171070 | (e) | 6 | -1.32 | 1.84E+08 |
| 1322.085 | 86146 | (o) | 7 | 161784 | (e) | 6 | -1.60 | 9.64E+07 |
| 1322.590 | 90974 | (o) | 4 | 166583 | (e) | 5 | -1.76 | 6.68E+07 |
| 1322.937 | 87091 | (o) | 5 | 162680 | (e) | 4 | -3.02 | 3.63E+06 |
| 1323.193 | 12547 | (e) | 4 | 88122  | (o) | 5 | -3.00 | 3.80E+06 |
| 1323.271 | 87091 | (o) | 5 | 162661 | (e) | 5 | -1.25 | 2.13E+08 |
| 1323.279 | 95380 | (o) | 5 | 170949 | (e) | 5 | -0.94 | 4.37E+08 |
| 1323.371 | 90160 | (o) | 5 | 165725 | (e) | 6 | -1.32 | 1.85E+08 |
| 1323.617 | 90160 | (o) | 5 | 165711 | (e) | 5 | -1.06 | 3.36E+08 |
| 1323.910 | 86146 | (o) | 7 | 161679 | (e) | 7 | -0.84 | 5.51E+08 |
| 1324.250 | 97637 | (o) | 5 | 173152 | (e) | 4 | -2.15 | 2.69E+07 |
| 1324.353 | 14410 | (e) | 3 | 89919  | (o) | 4 | -1.55 | 1.08E+08 |
| 1324.811 | 92583 | (o) | 6 | 168066 | (e) | 5 | -1.44 | 1.40E+08 |
| 1325.498 | 12547 | (e) | 4 | 87991  | (o) | 4 | -3.12 | 2.90E+06 |
| 1325.692 | 95638 | (o) | 7 | 171070 | (e) | 6 | 0.26  | 6.89E+09 |

|          |       |     |   |        |     |   |       |          |
|----------|-------|-----|---|--------|-----|---|-------|----------|
| 1326.359 | 35329 | (e) | 6 | 110724 | (o) | 5 | -2.86 | 5.21E+06 |
| 1326.533 | 95685 | (o) | 6 | 171070 | (e) | 6 | -0.26 | 2.08E+09 |
| 1326.807 | 92583 | (o) | 6 | 167952 | (e) | 6 | -1.01 | 3.74E+08 |
| 1327.456 | 89919 | (o) | 4 | 165251 | (e) | 4 | -2.33 | 1.79E+07 |
| 1328.218 | 21174 | (e) | 4 | 96463  | (o) | 4 | -2.49 | 1.22E+07 |
| 1328.462 | 78678 | (o) | 9 | 153953 | (e) | 8 | 0.35  | 8.35E+09 |
| 1328.625 | 79226 | (o) | 6 | 154492 | (e) | 6 | -0.65 | 8.48E+08 |
| 1328.656 | 95685 | (o) | 6 | 170949 | (e) | 5 | -0.10 | 3.02E+09 |
| 1329.074 | 79226 | (o) | 6 | 154466 | (e) | 7 | -0.50 | 1.19E+09 |
| 1329.470 | 96079 | (o) | 3 | 171297 | (e) | 4 | -0.79 | 6.06E+08 |
| 1329.553 | 98135 | (o) | 4 | 173348 | (e) | 5 | -3.34 | 1.73E+06 |
| 1331.976 | 8217  | (e) | 5 | 83293  | (o) | 5 | -2.60 | 9.55E+06 |
| 1332.160 | 86718 | (o) | 6 | 161784 | (e) | 6 | -0.56 | 1.04E+09 |
| 1332.852 | 98321 | (o) | 5 | 173348 | (e) | 5 | -1.79 | 6.16E+07 |
| 1333.043 | 98135 | (o) | 4 | 173152 | (e) | 4 | -2.22 | 2.28E+07 |
| 1333.066 | 92007 | (o) | 5 | 167022 | (e) | 6 | -2.36 | 1.65E+07 |
| 1333.667 | 92971 | (o) | 7 | 167952 | (e) | 6 | 0.23  | 6.31E+09 |
| 1333.907 | 86146 | (o) | 7 | 161113 | (e) | 8 | -1.22 | 2.27E+08 |
| 1334.013 | 86718 | (o) | 6 | 161679 | (e) | 7 | -0.60 | 9.44E+08 |
| 1334.210 | 93827 | (o) | 4 | 168778 | (e) | 4 | -0.67 | 8.07E+08 |
| 1334.741 | 38532 | (e) | 2 | 113453 | (o) | 3 | -2.44 | 1.34E+07 |
| 1334.847 | 84486 | (o) | 6 | 159401 | (e) | 5 | -3.12 | 2.82E+06 |
| 1335.036 | 21174 | (e) | 4 | 96079  | (o) | 3 | -2.72 | 7.15E+06 |
| 1335.421 | 90842 | (o) | 6 | 165725 | (e) | 6 | -2.78 | 6.32E+06 |
| 1335.423 | 86797 | (o) | 8 | 161679 | (e) | 7 | 0.26  | 6.79E+09 |
| 1335.671 | 90842 | (o) | 6 | 165711 | (e) | 5 | -1.83 | 5.60E+07 |
| 1336.301 | 96463 | (o) | 4 | 171297 | (e) | 4 | -0.73 | 7.06E+08 |
| 1336.359 | 98321 | (o) | 5 | 173152 | (e) | 4 | -1.15 | 2.64E+08 |
| 1336.450 | 86577 | (o) | 4 | 161402 | (e) | 5 | -0.45 | 1.31E+09 |
| 1337.558 | 35329 | (e) | 6 | 110092 | (o) | 6 | -1.81 | 5.80E+07 |
| 1338.024 | 90974 | (o) | 4 | 165711 | (e) | 5 | -0.45 | 1.31E+09 |
| 1338.527 | 87952 | (o) | 6 | 162661 | (e) | 5 | -1.19 | 2.42E+08 |
| 1338.814 | 87091 | (o) | 5 | 161784 | (e) | 6 | -1.06 | 3.26E+08 |
| 1338.875 | 87991 | (o) | 4 | 162680 | (e) | 4 | -0.63 | 8.79E+08 |
| 1338.966 | 86718 | (o) | 6 | 161402 | (e) | 5 | -2.06 | 3.25E+07 |
| 1339.217 | 87991 | (o) | 4 | 162661 | (e) | 5 | -1.27 | 2.01E+08 |
| 1339.344 | 91062 | (o) | 7 | 165725 | (e) | 6 | 0.13  | 5.00E+09 |
| 1339.706 | 38532 | (e) | 2 | 113176 | (o) | 3 | -1.89 | 4.83E+07 |
| 1340.906 | 92007 | (o) | 5 | 166583 | (e) | 5 | -1.29 | 1.89E+08 |
| 1341.036 | 90842 | (o) | 6 | 165411 | (e) | 7 | -2.63 | 8.80E+06 |
| 1341.236 | 88122 | (o) | 5 | 162680 | (e) | 4 | -1.07 | 3.19E+08 |
| 1341.499 | 12547 | (e) | 4 | 87091  | (o) | 5 | -2.94 | 4.27E+06 |
| 1341.562 | 78678 | (o) | 9 | 153218 | (e) | 9 | -0.05 | 3.31E+09 |
| 1341.579 | 88122 | (o) | 5 | 162661 | (e) | 5 | -1.01 | 3.60E+08 |
| 1342.529 | 96463 | (o) | 4 | 170949 | (e) | 5 | -1.17 | 2.51E+08 |
| 1343.469 | 88227 | (o) | 6 | 162661 | (e) | 5 | -2.60 | 9.32E+06 |
| 1343.759 | 28163 | (e) | 2 | 102581 | (o) | 2 | -2.26 | 2.04E+07 |
| 1344.734 | 98787 | (o) | 3 | 173152 | (e) | 4 | -1.16 | 2.54E+08 |

|          |       |     |   |        |     |   |       |          |
|----------|-------|-----|---|--------|-----|---|-------|----------|
| 1344.992 | 91062 | (o) | 7 | 165411 | (e) | 7 | -0.14 | 2.66E+09 |
| 1345.108 | 80123 | (o) | 8 | 154466 | (e) | 7 | -0.20 | 2.35E+09 |
| 1345.488 | 93827 | (o) | 4 | 168149 | (e) | 4 | -0.92 | 4.41E+08 |
| 1345.595 | 86797 | (o) | 8 | 161113 | (e) | 8 | -0.02 | 3.52E+09 |
| 1345.605 | 78414 | (o) | 5 | 152730 | (e) | 6 | 0.12  | 4.85E+09 |
| 1345.688 | 87091 | (o) | 5 | 161402 | (e) | 5 | -0.79 | 5.95E+08 |
| 1346.309 | 90974 | (o) | 4 | 165251 | (e) | 4 | -0.74 | 6.65E+08 |
| 1346.513 | 99083 | (o) | 4 | 173348 | (e) | 5 | -1.98 | 3.87E+07 |
| 1347.003 | 93827 | (o) | 4 | 168066 | (e) | 5 | -2.53 | 1.09E+07 |
| 1347.218 | 80265 | (o) | 7 | 154492 | (e) | 6 | -0.79 | 5.96E+08 |
| 1347.612 | 21174 | (e) | 4 | 95380  | (o) | 5 | -2.33 | 1.72E+07 |
| 1347.681 | 80265 | (o) | 7 | 154466 | (e) | 7 | -0.17 | 2.48E+09 |
| 1348.464 | 94619 | (o) | 3 | 168778 | (e) | 4 | -1.37 | 1.59E+08 |
| 1348.908 | 35329 | (e) | 6 | 109463 | (o) | 5 | -3.20 | 2.30E+06 |
| 1349.752 | 96982 | (o) | 6 | 171070 | (e) | 6 | -2.00 | 3.63E+07 |
| 1350.092 | 99083 | (o) | 4 | 173152 | (e) | 4 | -1.99 | 3.78E+07 |
| 1350.427 | 92971 | (o) | 7 | 167022 | (e) | 6 | -0.39 | 1.48E+09 |
| 1350.808 | 12547 | (e) | 4 | 86577  | (o) | 4 | -2.44 | 1.33E+07 |
| 1351.356 | 92583 | (o) | 6 | 166583 | (e) | 5 | -1.28 | 1.93E+08 |
| 1351.770 | 97319 | (o) | 4 | 171297 | (e) | 4 | -1.03 | 3.41E+08 |
| 1351.950 | 96982 | (o) | 6 | 170949 | (e) | 5 | -0.52 | 1.10E+09 |
| 1352.341 | 94120 | (o) | 6 | 168066 | (e) | 5 | -0.40 | 1.45E+09 |
| 1352.663 | 83293 | (o) | 5 | 157221 | (e) | 6 | -1.79 | 5.93E+07 |
| 1352.757 | 94855 | (o) | 5 | 168778 | (e) | 4 | -0.82 | 5.51E+08 |
| 1352.972 | 87872 | (o) | 7 | 161784 | (e) | 6 | -0.02 | 3.52E+09 |
| 1353.935 | 85542 | (o) | 5 | 159401 | (e) | 5 | -3.40 | 1.45E+06 |
| 1353.939 | 97438 | (o) | 3 | 171297 | (e) | 4 | -1.18 | 2.40E+08 |
| 1354.421 | 94120 | (o) | 6 | 167952 | (e) | 6 | -0.75 | 6.38E+08 |
| 1354.433 | 87952 | (o) | 6 | 161784 | (e) | 6 | -0.36 | 1.61E+09 |
| 1354.460 | 80123 | (o) | 8 | 153953 | (e) | 8 | 0.09  | 4.47E+09 |
| 1354.883 | 87872 | (o) | 7 | 161679 | (e) | 7 | 0.07  | 4.23E+09 |
| 1354.944 | 99545 | (o) | 4 | 173348 | (e) | 5 | -1.33 | 1.69E+08 |
| 1354.965 | 79226 | (o) | 6 | 153029 | (e) | 7 | -0.44 | 1.33E+09 |
| 1355.035 | 35329 | (e) | 6 | 109128 | (o) | 6 | -2.57 | 9.86E+06 |
| 1356.274 | 83293 | (o) | 5 | 157025 | (e) | 5 | -0.60 | 9.02E+08 |
| 1356.348 | 87952 | (o) | 6 | 161679 | (e) | 7 | -0.92 | 4.42E+08 |
| 1356.515 | 92007 | (o) | 5 | 165725 | (e) | 6 | -0.72 | 6.85E+08 |
| 1356.696 | 85542 | (o) | 5 | 159250 | (e) | 4 | -3.76 | 6.33E+05 |
| 1356.773 | 92007 | (o) | 5 | 165711 | (e) | 5 | -0.19 | 2.35E+09 |
| 1357.011 | 83530 | (o) | 7 | 157221 | (e) | 6 | -0.41 | 1.40E+09 |
| 1357.069 | 80265 | (o) | 7 | 153953 | (e) | 8 | -0.77 | 6.15E+08 |
| 1357.112 | 38532 | (e) | 2 | 112218 | (o) | 3 | -3.10 | 2.88E+06 |
| 1357.215 | 21174 | (e) | 4 | 94855  | (o) | 5 | -2.83 | 5.33E+06 |
| 1357.558 | 88122 | (o) | 5 | 161784 | (e) | 6 | -1.09 | 2.93E+08 |
| 1357.601 | 97637 | (o) | 5 | 171297 | (e) | 4 | -0.48 | 1.20E+09 |
| 1358.143 | 97319 | (o) | 4 | 170949 | (e) | 5 | -1.07 | 3.09E+08 |
| 1358.569 | 99545 | (o) | 4 | 173152 | (e) | 4 | -0.73 | 6.75E+08 |
| 1359.062 | 14410 | (e) | 3 | 87991  | (o) | 4 | -1.94 | 4.17E+07 |

|          |        |     |   |        |     |   |       |          |
|----------|--------|-----|---|--------|-----|---|-------|----------|
| 1359.493 | 88227  | (o) | 6 | 161784 | (e) | 6 | -0.48 | 1.21E+09 |
| 1359.984 | 94619  | (o) | 3 | 168149 | (e) | 4 | -1.07 | 3.08E+08 |
| 1360.474 | 79226  | (o) | 6 | 152730 | (e) | 6 | -0.08 | 3.00E+09 |
| 1360.993 | 83549  | (o) | 4 | 157025 | (e) | 5 | -0.07 | 3.04E+09 |
| 1361.423 | 88227  | (o) | 6 | 161679 | (e) | 7 | -1.57 | 9.72E+07 |
| 1361.468 | 87952  | (o) | 6 | 161402 | (e) | 5 | -0.74 | 6.57E+08 |
| 1361.564 | 21174  | (e) | 4 | 94619  | (o) | 3 | -3.83 | 5.31E+05 |
| 1361.792 | 97637  | (o) | 5 | 171070 | (e) | 6 | -1.75 | 6.46E+07 |
| 1362.183 | 87991  | (o) | 4 | 161402 | (e) | 5 | -0.71 | 7.07E+08 |
| 1362.433 | 95380  | (o) | 5 | 168778 | (e) | 4 | -1.98 | 3.71E+07 |
| 1363.865 | 100027 | (o) | 5 | 173348 | (e) | 5 | -1.74 | 6.56E+07 |
| 1364.030 | 97637  | (o) | 5 | 170949 | (e) | 5 | -0.44 | 1.30E+09 |
| 1364.351 | 94855  | (o) | 5 | 168149 | (e) | 4 | -1.23 | 2.14E+08 |
| 1364.626 | 88122  | (o) | 5 | 161402 | (e) | 5 | -0.70 | 7.13E+08 |
| 1365.293 | 92007  | (o) | 5 | 165251 | (e) | 4 | -0.70 | 7.13E+08 |
| 1365.356 | 87872  | (o) | 7 | 161113 | (e) | 8 | -0.88 | 4.66E+08 |
| 1365.909 | 94855  | (o) | 5 | 168066 | (e) | 5 | -2.13 | 2.68E+07 |
| 1366.582 | 88227  | (o) | 6 | 161402 | (e) | 5 | -0.64 | 8.13E+08 |
| 1366.843 | 98135  | (o) | 4 | 171297 | (e) | 4 | -1.82 | 5.44E+07 |
| 1367.211 | 92583  | (o) | 6 | 165725 | (e) | 6 | -0.04 | 3.27E+09 |
| 1367.472 | 92583  | (o) | 6 | 165711 | (e) | 5 | -0.22 | 2.14E+09 |
| 1367.538 | 100027 | (o) | 5 | 173152 | (e) | 4 | -1.02 | 3.45E+08 |
| 1368.031 | 94855  | (o) | 5 | 167952 | (e) | 6 | -3.25 | 2.00E+06 |
| 1368.080 | 80123  | (o) | 8 | 153218 | (e) | 9 | -0.96 | 3.91E+08 |
| 1369.962 | 12547  | (e) | 4 | 85542  | (o) | 5 | -2.02 | 3.40E+07 |
| 1370.231 | 72011  | (o) | 6 | 144991 | (e) | 7 | 0.24  | 6.09E+09 |
| 1370.331 | 98321  | (o) | 5 | 171297 | (e) | 4 | -1.52 | 1.06E+08 |
| 1370.914 | 35329  | (e) | 6 | 108273 | (o) | 5 | -3.83 | 5.26E+05 |
| 1371.146 | 0      | (e) | 6 | 72932  | (o) | 7 | -3.30 | 1.78E+06 |
| 1371.632 | 80123  | (o) | 8 | 153029 | (e) | 7 | -0.16 | 2.46E+09 |
| 1371.709 | 94120  | (o) | 6 | 167022 | (e) | 6 | -1.18 | 2.34E+08 |
| 1373.096 | 92583  | (o) | 6 | 165411 | (e) | 7 | -0.99 | 3.61E+08 |
| 1373.179 | 86577  | (o) | 4 | 159401 | (e) | 5 | -0.79 | 5.70E+08 |
| 1373.360 | 98135  | (o) | 4 | 170949 | (e) | 5 | -1.52 | 1.08E+08 |
| 1374.011 | 5634   | (e) | 4 | 78414  | (o) | 5 | -2.02 | 3.36E+07 |
| 1374.194 | 95380  | (o) | 5 | 168149 | (e) | 4 | -0.39 | 1.42E+09 |
| 1374.308 | 80265  | (o) | 7 | 153029 | (e) | 7 | -0.16 | 2.44E+09 |
| 1374.360 | 89919  | (o) | 4 | 162680 | (e) | 4 | -0.80 | 5.56E+08 |
| 1374.454 | 93827  | (o) | 4 | 166583 | (e) | 5 | -0.81 | 5.43E+08 |
| 1374.496 | 92971  | (o) | 7 | 165725 | (e) | 6 | -0.92 | 4.21E+08 |
| 1374.601 | 98321  | (o) | 5 | 171070 | (e) | 6 | -1.78 | 5.93E+07 |
| 1374.721 | 89919  | (o) | 4 | 162661 | (e) | 5 | -0.84 | 5.07E+08 |
| 1374.843 | 84486  | (o) | 6 | 157221 | (e) | 6 | -0.63 | 8.23E+08 |
| 1375.533 | 96079  | (o) | 3 | 168778 | (e) | 4 | -0.95 | 3.90E+08 |
| 1375.775 | 95380  | (o) | 5 | 168066 | (e) | 5 | -0.14 | 2.56E+09 |
| 1375.835 | 86718  | (o) | 6 | 159401 | (e) | 5 | -0.78 | 5.90E+08 |
| 1376.020 | 86577  | (o) | 4 | 159250 | (e) | 4 | -0.35 | 1.60E+09 |
| 1376.793 | 72932  | (o) | 7 | 145564 | (e) | 8 | -0.31 | 1.73E+09 |

|          |        |     |   |        |     |   |       |          |
|----------|--------|-----|---|--------|-----|---|-------|----------|
| 1376.881 | 98321  | (o) | 5 | 170949 | (e) | 5 | -0.88 | 4.63E+08 |
| 1377.928 | 95380  | (o) | 5 | 167952 | (e) | 6 | -1.31 | 1.73E+08 |
| 1378.574 | 84486  | (o) | 6 | 157025 | (e) | 5 | -0.61 | 8.72E+08 |
| 1378.935 | 90160  | (o) | 5 | 162680 | (e) | 4 | -0.60 | 8.94E+08 |
| 1379.138 | 98787  | (o) | 3 | 171297 | (e) | 4 | -2.50 | 1.12E+07 |
| 1379.298 | 90160  | (o) | 5 | 162661 | (e) | 5 | -0.31 | 1.73E+09 |
| 1379.976 | 80265  | (o) | 7 | 152730 | (e) | 6 | -0.42 | 1.33E+09 |
| 1380.011 | 94120  | (o) | 6 | 166583 | (e) | 5 | -0.39 | 1.42E+09 |
| 1380.445 | 92971  | (o) | 7 | 165411 | (e) | 7 | -0.80 | 5.60E+08 |
| 1381.588 | 95685  | (o) | 6 | 168066 | (e) | 5 | -0.41 | 1.37E+09 |
| 1382.844 | 95638  | (o) | 7 | 167952 | (e) | 6 | -0.59 | 9.09E+08 |
| 1382.847 | 96463  | (o) | 4 | 168778 | (e) | 4 | -2.45 | 1.25E+07 |
| 1382.934 | 87091  | (o) | 5 | 159401 | (e) | 5 | -0.48 | 1.15E+09 |
| 1383.759 | 95685  | (o) | 6 | 167952 | (e) | 6 | -0.87 | 4.72E+08 |
| 1384.775 | 99083  | (o) | 4 | 171297 | (e) | 4 | -3.65 | 7.81E+05 |
| 1384.901 | 82259  | (o) | 8 | 154466 | (e) | 7 | -0.13 | 2.62E+09 |
| 1385.671 | 94855  | (o) | 5 | 167022 | (e) | 6 | -1.39 | 1.43E+08 |
| 1385.682 | 14410  | (e) | 3 | 86577  | (o) | 4 | -2.29 | 1.80E+07 |
| 1385.816 | 87091  | (o) | 5 | 159250 | (e) | 4 | -0.59 | 8.96E+08 |
| 1387.523 | 96079  | (o) | 3 | 168149 | (e) | 4 | -1.66 | 7.65E+07 |
| 1387.738 | 72932  | (o) | 7 | 144991 | (e) | 7 | 0.08  | 4.15E+09 |
| 1388.676 | 0      | (e) | 6 | 72011  | (o) | 6 | -2.84 | 5.07E+06 |
| 1391.130 | 93827  | (o) | 4 | 165711 | (e) | 5 | -3.99 | 3.55E+05 |
| 1391.464 | 99083  | (o) | 4 | 170949 | (e) | 5 | -1.95 | 3.88E+07 |
| 1392.393 | 90842  | (o) | 6 | 162661 | (e) | 5 | -0.02 | 3.33E+09 |
| 1393.693 | 99545  | (o) | 4 | 171297 | (e) | 4 | -1.72 | 6.63E+07 |
| 1394.144 | 94855  | (o) | 5 | 166583 | (e) | 5 | -0.60 | 8.64E+08 |
| 1394.579 | 90974  | (o) | 4 | 162680 | (e) | 4 | -0.74 | 6.18E+08 |
| 1394.817 | 82259  | (o) | 8 | 153953 | (e) | 8 | -0.82 | 5.16E+08 |
| 1394.950 | 90974  | (o) | 4 | 162661 | (e) | 5 | -1.73 | 6.41E+07 |
| 1394.965 | 96463  | (o) | 4 | 168149 | (e) | 4 | -0.43 | 1.28E+09 |
| 1395.100 | 85542  | (o) | 5 | 157221 | (e) | 6 | -0.73 | 6.39E+08 |
| 1395.826 | 95380  | (o) | 5 | 167022 | (e) | 6 | -0.98 | 3.57E+08 |
| 1396.194 | 90160  | (o) | 5 | 161784 | (e) | 6 | -1.80 | 5.50E+07 |
| 1396.550 | 94120  | (o) | 6 | 165725 | (e) | 6 | -0.90 | 4.27E+08 |
| 1396.594 | 96463  | (o) | 4 | 168066 | (e) | 5 | -0.77 | 5.83E+08 |
| 1396.823 | 94120  | (o) | 6 | 165711 | (e) | 5 | -2.47 | 1.17E+07 |
| 1398.931 | 89919  | (o) | 4 | 161402 | (e) | 5 | -0.79 | 5.56E+08 |
| 1398.941 | 85542  | (o) | 5 | 157025 | (e) | 5 | -0.59 | 8.68E+08 |
| 1399.419 | 97319  | (o) | 4 | 168778 | (e) | 4 | -2.23 | 1.99E+07 |
| 1399.605 | 87952  | (o) | 6 | 159401 | (e) | 5 | -0.06 | 2.98E+09 |
| 1400.088 | 93827  | (o) | 4 | 165251 | (e) | 4 | -2.00 | 3.38E+07 |
| 1400.113 | 101926 | (o) | 5 | 173348 | (e) | 5 | -1.09 | 2.78E+08 |
| 1400.361 | 87991  | (o) | 4 | 159401 | (e) | 5 | -1.44 | 1.23E+08 |
| 1400.469 | 99545  | (o) | 4 | 170949 | (e) | 5 | -2.07 | 2.87E+07 |
| 1400.870 | 95638  | (o) | 7 | 167022 | (e) | 6 | -0.74 | 6.16E+08 |
| 1401.744 | 97438  | (o) | 3 | 168778 | (e) | 4 | -1.49 | 1.09E+08 |
| 1401.809 | 95685  | (o) | 6 | 167022 | (e) | 6 | -0.96 | 3.70E+08 |

|          |        |     |   |        |     |   |       |          |
|----------|--------|-----|---|--------|-----|---|-------|----------|
| 1401.966 | 102020 | (o) | 6 | 173348 | (e) | 5 | -0.14 | 2.47E+09 |
| 1402.692 | 94120  | (o) | 6 | 165411 | (e) | 7 | -1.32 | 1.61E+08 |
| 1402.943 | 88122  | (o) | 5 | 159401 | (e) | 5 | -0.43 | 1.25E+09 |
| 1403.134 | 100027 | (o) | 5 | 171297 | (e) | 4 | -1.75 | 6.03E+07 |
| 1403.315 | 87991  | (o) | 4 | 159250 | (e) | 4 | -1.16 | 2.34E+08 |
| 1403.511 | 102099 | (o) | 5 | 173348 | (e) | 5 | -0.34 | 1.56E+09 |
| 1403.671 | 90160  | (o) | 5 | 161402 | (e) | 5 | -2.67 | 7.25E+06 |
| 1403.983 | 101926 | (o) | 5 | 173152 | (e) | 4 | -1.35 | 1.50E+08 |
| 1404.424 | 95380  | (o) | 5 | 166583 | (e) | 5 | -1.78 | 5.56E+07 |
| 1404.523 | 83293  | (o) | 5 | 154492 | (e) | 6 | -0.01 | 3.25E+09 |
| 1405.010 | 88227  | (o) | 6 | 159401 | (e) | 5 | -0.24 | 1.96E+09 |
| 1405.670 | 97637  | (o) | 5 | 168778 | (e) | 4 | -0.40 | 1.36E+09 |
| 1405.908 | 88122  | (o) | 5 | 159250 | (e) | 4 | -0.66 | 7.43E+08 |
| 1406.793 | 96982  | (o) | 6 | 168066 | (e) | 5 | -0.91 | 4.10E+08 |
| 1406.948 | 86146  | (o) | 7 | 157221 | (e) | 6 | 0.16  | 4.84E+09 |
| 1407.304 | 74506  | (o) | 9 | 145564 | (e) | 8 | 0.38  | 8.15E+09 |
| 1407.400 | 102099 | (o) | 5 | 173152 | (e) | 4 | -0.67 | 7.26E+08 |
| 1407.611 | 100027 | (o) | 5 | 171070 | (e) | 6 | -3.91 | 4.14E+05 |
| 1408.269 | 8217   | (e) | 5 | 79226  | (o) | 6 | -2.49 | 1.10E+07 |
| 1409.044 | 96982  | (o) | 6 | 167952 | (e) | 6 | -1.23 | 1.98E+08 |
| 1409.212 | 83530  | (o) | 7 | 154492 | (e) | 6 | -0.40 | 1.34E+09 |
| 1409.265 | 82259  | (o) | 8 | 153218 | (e) | 9 | -2.05 | 3.01E+07 |
| 1409.613 | 90842  | (o) | 6 | 161784 | (e) | 6 | -1.70 | 6.82E+07 |
| 1409.718 | 83530  | (o) | 7 | 154466 | (e) | 7 | -0.27 | 1.80E+09 |
| 1409.945 | 100145 | (o) | 7 | 171070 | (e) | 6 | -2.66 | 7.38E+06 |
| 1410.002 | 100027 | (o) | 5 | 170949 | (e) | 5 | -2.55 | 9.49E+06 |
| 1410.481 | 95685  | (o) | 6 | 166583 | (e) | 5 | -1.96 | 3.72E+07 |
| 1411.025 | 94855  | (o) | 5 | 165725 | (e) | 6 | -1.04 | 3.09E+08 |
| 1411.304 | 94855  | (o) | 5 | 165711 | (e) | 5 | -0.91 | 4.15E+08 |
| 1411.360 | 38532  | (e) | 2 | 109386 | (o) | 3 | -3.29 | 1.71E+06 |
| 1411.688 | 90842  | (o) | 6 | 161679 | (e) | 7 | -2.15 | 2.39E+07 |
| 1411.782 | 21174  | (e) | 4 | 92007  | (o) | 5 | -2.67 | 7.23E+06 |
| 1413.035 | 82259  | (o) | 8 | 153029 | (e) | 7 | 0.13  | 4.50E+09 |
| 1413.499 | 97319  | (o) | 4 | 168066 | (e) | 5 | -1.22 | 1.99E+08 |
| 1413.509 | 12547  | (e) | 4 | 83293  | (o) | 5 | -1.81 | 5.26E+07 |
| 1413.985 | 91062  | (o) | 7 | 161784 | (e) | 6 | -1.58 | 8.76E+07 |
| 1414.197 | 97438  | (o) | 3 | 168149 | (e) | 4 | -1.44 | 1.20E+08 |
| 1414.959 | 92007  | (o) | 5 | 162680 | (e) | 4 | -0.89 | 4.32E+08 |
| 1415.341 | 92007  | (o) | 5 | 162661 | (e) | 5 | -1.02 | 3.15E+08 |
| 1415.580 | 98135  | (o) | 4 | 168778 | (e) | 4 | -0.50 | 1.06E+09 |
| 1415.791 | 94619  | (o) | 3 | 165251 | (e) | 4 | -1.97 | 3.55E+07 |
| 1415.946 | 28163  | (e) | 2 | 98787  | (o) | 3 | -3.58 | 8.74E+05 |
| 1416.073 | 91062  | (o) | 7 | 161679 | (e) | 7 | -1.71 | 6.52E+07 |
| 1416.225 | 102738 | (o) | 4 | 173348 | (e) | 5 | -1.44 | 1.21E+08 |
| 1417.235 | 90842  | (o) | 6 | 161402 | (e) | 5 | -1.94 | 3.82E+07 |
| 1417.432 | 35329  | (e) | 6 | 105879 | (o) | 6 | -3.18 | 2.20E+06 |
| 1418.193 | 97637  | (o) | 5 | 168149 | (e) | 4 | -1.94 | 3.86E+07 |
| 1418.364 | 86718  | (o) | 6 | 157221 | (e) | 6 | -0.37 | 1.42E+09 |

|          |        |     |   |        |     |   |       |          |
|----------|--------|-----|---|--------|-----|---|-------|----------|
| 1419.321 | 98321  | (o) | 5 | 168778 | (e) | 4 | -0.31 | 1.64E+09 |
| 1419.496 | 86577  | (o) | 4 | 157025 | (e) | 5 | -2.15 | 2.37E+07 |
| 1419.877 | 97637  | (o) | 5 | 168066 | (e) | 5 | -1.65 | 7.48E+07 |
| 1419.885 | 90974  | (o) | 4 | 161402 | (e) | 5 | -0.75 | 5.91E+08 |
| 1419.993 | 83530  | (o) | 7 | 153953 | (e) | 8 | -1.26 | 1.83E+08 |
| 1420.185 | 102738 | (o) | 4 | 173152 | (e) | 4 | -1.47 | 1.11E+08 |
| 1420.525 | 94855  | (o) | 5 | 165251 | (e) | 4 | -2.13 | 2.47E+07 |
| 1421.556 | 95380  | (o) | 5 | 165725 | (e) | 6 | -2.44 | 1.18E+07 |
| 1421.839 | 95380  | (o) | 5 | 165711 | (e) | 5 | -2.46 | 1.14E+07 |
| 1422.170 | 97637  | (o) | 5 | 167952 | (e) | 6 | -2.77 | 5.67E+06 |
| 1422.335 | 86718  | (o) | 6 | 157025 | (e) | 5 | -0.77 | 5.58E+08 |
| 1424.564 | 8217   | (e) | 5 | 78414  | (o) | 5 | -2.48 | 1.09E+07 |
| 1425.910 | 87091  | (o) | 5 | 157221 | (e) | 6 | -0.98 | 3.46E+08 |
| 1426.126 | 96463  | (o) | 4 | 166583 | (e) | 5 | -1.16 | 2.30E+08 |
| 1426.789 | 95638  | (o) | 7 | 165725 | (e) | 6 | -3.99 | 3.36E+05 |
| 1426.988 | 92583  | (o) | 6 | 162661 | (e) | 5 | -1.51 | 1.02E+08 |
| 1427.516 | 91062  | (o) | 7 | 161113 | (e) | 8 | -3.83 | 4.82E+05 |
| 1427.762 | 95685  | (o) | 6 | 165725 | (e) | 6 | -3.01 | 3.22E+06 |
| 1427.764 | 96982  | (o) | 6 | 167022 | (e) | 6 | -0.21 | 2.01E+09 |
| 1428.048 | 95685  | (o) | 6 | 165711 | (e) | 5 | -2.12 | 2.49E+07 |
| 1428.282 | 98135  | (o) | 4 | 168149 | (e) | 4 | -1.22 | 1.96E+08 |
| 1428.452 | 84486  | (o) | 6 | 154492 | (e) | 6 | -0.27 | 1.75E+09 |
| 1428.771 | 98787  | (o) | 3 | 168778 | (e) | 4 | -3.52 | 9.86E+05 |
| 1428.972 | 84486  | (o) | 6 | 154466 | (e) | 7 | -0.62 | 7.83E+08 |
| 1428.995 | 75585  | (o) | 8 | 145564 | (e) | 8 | 0.13  | 4.40E+09 |
| 1429.923 | 87091  | (o) | 5 | 157025 | (e) | 5 | -0.53 | 9.72E+08 |
| 1429.990 | 98135  | (o) | 4 | 168066 | (e) | 5 | -2.42 | 1.23E+07 |
| 1431.198 | 95380  | (o) | 5 | 165251 | (e) | 4 | -2.75 | 5.81E+06 |
| 1432.090 | 98321  | (o) | 5 | 168149 | (e) | 4 | -1.81 | 5.09E+07 |
| 1432.671 | 21174  | (e) | 4 | 90974  | (o) | 4 | -2.57 | 8.83E+06 |
| 1433.137 | 92007  | (o) | 5 | 161784 | (e) | 6 | -1.18 | 2.13E+08 |
| 1433.200 | 95638  | (o) | 7 | 165411 | (e) | 7 | -1.86 | 4.51E+07 |
| 1433.232 | 38532  | (e) | 2 | 108305 | (o) | 3 | -2.47 | 1.09E+07 |
| 1433.807 | 98321  | (o) | 5 | 168066 | (e) | 5 | -2.13 | 2.42E+07 |
| 1434.822 | 99083  | (o) | 4 | 168778 | (e) | 4 | -1.20 | 2.05E+08 |
| 1436.146 | 98321  | (o) | 5 | 167952 | (e) | 6 | -2.18 | 2.14E+07 |
| 1436.761 | 96982  | (o) | 6 | 166583 | (e) | 5 | -0.66 | 7.01E+08 |
| 1437.459 | 103781 | (o) | 4 | 173348 | (e) | 5 | -1.52 | 9.71E+07 |
| 1437.829 | 103799 | (o) | 6 | 173348 | (e) | 5 | -0.10 | 2.56E+09 |
| 1438.880 | 83530  | (o) | 7 | 153029 | (e) | 7 | -0.38 | 1.33E+09 |
| 1439.227 | 89919  | (o) | 4 | 159401 | (e) | 5 | -1.10 | 2.59E+08 |
| 1440.164 | 83293  | (o) | 5 | 152730 | (e) | 6 | -0.88 | 4.21E+08 |
| 1440.790 | 75585  | (o) | 8 | 144991 | (e) | 7 | -0.14 | 2.31E+09 |
| 1441.016 | 92007  | (o) | 5 | 161402 | (e) | 5 | -0.97 | 3.41E+08 |
| 1441.244 | 97637  | (o) | 5 | 167022 | (e) | 6 | -1.07 | 2.76E+08 |
| 1441.528 | 101926 | (o) | 5 | 171297 | (e) | 4 | -1.98 | 3.33E+07 |
| 1441.540 | 103781 | (o) | 4 | 173152 | (e) | 4 | -1.08 | 2.68E+08 |
| 1441.712 | 98787  | (o) | 3 | 168149 | (e) | 4 | -2.81 | 4.98E+06 |

|          |        |     |   |        |     |   |       |          |
|----------|--------|-----|---|--------|-----|---|-------|----------|
| 1441.980 | 87872  | (o) | 7 | 157221 | (e) | 6 | -1.26 | 1.74E+08 |
| 1442.348 | 89919  | (o) | 4 | 159250 | (e) | 4 | -0.63 | 7.51E+08 |
| 1443.529 | 28163  | (e) | 2 | 97438  | (o) | 3 | -2.53 | 9.54E+06 |
| 1443.640 | 87952  | (o) | 6 | 157221 | (e) | 6 | -1.92 | 3.90E+07 |
| 1443.758 | 97319  | (o) | 4 | 166583 | (e) | 5 | -0.59 | 8.30E+08 |
| 1444.087 | 96463  | (o) | 4 | 165711 | (e) | 5 | -1.13 | 2.40E+08 |
| 1444.244 | 90160  | (o) | 5 | 159401 | (e) | 5 | -0.93 | 3.78E+08 |
| 1444.400 | 99545  | (o) | 4 | 168778 | (e) | 4 | -1.59 | 8.19E+07 |
| 1445.080 | 92583  | (o) | 6 | 161784 | (e) | 6 | -1.29 | 1.65E+08 |
| 1445.094 | 83530  | (o) | 7 | 152730 | (e) | 6 | -0.68 | 6.62E+08 |
| 1445.131 | 102099 | (o) | 5 | 171297 | (e) | 4 | -3.16 | 2.22E+06 |
| 1445.661 | 96079  | (o) | 3 | 165251 | (e) | 4 | -0.74 | 5.79E+08 |
| 1446.255 | 101926 | (o) | 5 | 171070 | (e) | 6 | -2.25 | 1.81E+07 |
| 1446.375 | 14410  | (e) | 3 | 83549  | (o) | 4 | -3.48 | 1.05E+06 |
| 1447.191 | 88122  | (o) | 5 | 157221 | (e) | 6 | -1.13 | 2.36E+08 |
| 1447.261 | 92583  | (o) | 6 | 161679 | (e) | 7 | -2.20 | 1.99E+07 |
| 1447.387 | 90160  | (o) | 5 | 159250 | (e) | 4 | -1.20 | 2.00E+08 |
| 1447.754 | 87952  | (o) | 6 | 157025 | (e) | 5 | -1.59 | 8.29E+07 |
| 1447.873 | 99083  | (o) | 4 | 168149 | (e) | 4 | -1.46 | 1.12E+08 |
| 1448.562 | 87991  | (o) | 4 | 157025 | (e) | 5 | -0.93 | 3.74E+08 |
| 1448.778 | 101926 | (o) | 5 | 170949 | (e) | 5 | -3.77 | 5.44E+05 |
| 1449.390 | 88227  | (o) | 6 | 157221 | (e) | 6 | -0.58 | 8.29E+08 |
| 1449.628 | 99083  | (o) | 4 | 168066 | (e) | 5 | -2.11 | 2.46E+07 |
| 1449.881 | 102099 | (o) | 5 | 171070 | (e) | 6 | -2.02 | 3.08E+07 |
| 1450.332 | 85542  | (o) | 5 | 154492 | (e) | 6 | -0.37 | 1.36E+09 |
| 1450.412 | 97637  | (o) | 5 | 166583 | (e) | 5 | -0.94 | 3.64E+08 |
| 1451.325 | 88122  | (o) | 5 | 157025 | (e) | 5 | -0.83 | 4.68E+08 |
| 1452.366 | 93827  | (o) | 4 | 162680 | (e) | 4 | -0.88 | 4.16E+08 |
| 1452.768 | 93827  | (o) | 4 | 162661 | (e) | 5 | -1.30 | 1.60E+08 |
| 1453.092 | 92583  | (o) | 6 | 161402 | (e) | 5 | -1.46 | 1.09E+08 |
| 1453.221 | 92971  | (o) | 7 | 161784 | (e) | 6 | -2.59 | 8.16E+06 |
| 1453.537 | 88227  | (o) | 6 | 157025 | (e) | 5 | -0.93 | 3.71E+08 |
| 1453.742 | 96463  | (o) | 4 | 165251 | (e) | 4 | -1.15 | 2.25E+08 |
| 1453.962 | 104571 | (o) | 5 | 173348 | (e) | 5 | -1.02 | 2.96E+08 |
| 1454.542 | 100027 | (o) | 5 | 168778 | (e) | 4 | -1.34 | 1.44E+08 |
| 1454.697 | 96982  | (o) | 6 | 165725 | (e) | 6 | -2.90 | 3.93E+06 |
| 1454.993 | 96982  | (o) | 6 | 165711 | (e) | 5 | -1.85 | 4.47E+07 |
| 1455.427 | 92971  | (o) | 7 | 161679 | (e) | 7 | -2.49 | 1.01E+07 |
| 1455.598 | 98321  | (o) | 5 | 167022 | (e) | 6 | -1.10 | 2.53E+08 |
| 1457.626 | 99545  | (o) | 4 | 168149 | (e) | 4 | -1.29 | 1.60E+08 |
| 1458.136 | 104571 | (o) | 5 | 173152 | (e) | 4 | -1.38 | 1.31E+08 |
| 1458.608 | 90842  | (o) | 6 | 159401 | (e) | 5 | -1.90 | 3.98E+07 |
| 1458.613 | 102738 | (o) | 4 | 171297 | (e) | 4 | -1.13 | 2.33E+08 |
| 1458.944 | 84486  | (o) | 6 | 153029 | (e) | 7 | -0.92 | 3.73E+08 |
| 1458.979 | 94120  | (o) | 6 | 162661 | (e) | 5 | -0.56 | 8.54E+08 |
| 1459.405 | 99545  | (o) | 4 | 168066 | (e) | 5 | -1.08 | 2.59E+08 |
| 1460.966 | 98135  | (o) | 4 | 166583 | (e) | 5 | -0.81 | 4.83E+08 |
| 1461.362 | 96982  | (o) | 6 | 165411 | (e) | 7 | -2.36 | 1.36E+07 |

|          |        |     |   |        |     |   |       |          |
|----------|--------|-----|---|--------|-----|---|-------|----------|
| 1461.415 | 90974  | (o) | 4 | 159401 | (e) | 5 | -2.35 | 1.40E+07 |
| 1463.141 | 86146  | (o) | 7 | 154492 | (e) | 6 | -1.54 | 9.12E+07 |
| 1463.686 | 86146  | (o) | 7 | 154466 | (e) | 7 | -0.77 | 5.35E+08 |
| 1464.633 | 90974  | (o) | 4 | 159250 | (e) | 4 | -2.04 | 2.82E+07 |
| 1464.951 | 98321  | (o) | 5 | 166583 | (e) | 5 | -0.76 | 5.37E+08 |
| 1465.333 | 84486  | (o) | 6 | 152730 | (e) | 6 | -0.56 | 8.52E+08 |
| 1466.037 | 102738 | (o) | 4 | 170949 | (e) | 5 | -1.90 | 3.92E+07 |
| 1466.437 | 105156 | (o) | 5 | 173348 | (e) | 5 | -1.16 | 2.13E+08 |
| 1467.518 | 92971  | (o) | 7 | 161113 | (e) | 8 | -3.03 | 2.90E+06 |
| 1467.955 | 100027 | (o) | 5 | 168149 | (e) | 4 | -2.10 | 2.46E+07 |
| 1468.692 | 97637  | (o) | 5 | 165725 | (e) | 6 | -2.19 | 1.99E+07 |
| 1468.994 | 97637  | (o) | 5 | 165711 | (e) | 5 | -2.40 | 1.22E+07 |
| 1469.271 | 94619  | (o) | 3 | 162680 | (e) | 4 | -1.35 | 1.38E+08 |
| 1469.760 | 100027 | (o) | 5 | 168066 | (e) | 5 | -3.01 | 3.06E+06 |
| 1470.684 | 105156 | (o) | 5 | 173152 | (e) | 4 | -1.36 | 1.34E+08 |
| 1472.217 | 100027 | (o) | 5 | 167952 | (e) | 6 | -2.10 | 2.47E+07 |
| 1474.369 | 94855  | (o) | 5 | 162680 | (e) | 4 | -1.46 | 1.06E+08 |
| 1474.641 | 97438  | (o) | 3 | 165251 | (e) | 4 | -3.08 | 2.52E+06 |
| 1474.767 | 86146  | (o) | 7 | 153953 | (e) | 8 | -1.64 | 7.09E+07 |
| 1474.770 | 100145 | (o) | 7 | 167952 | (e) | 6 | -2.37 | 1.30E+07 |
| 1474.784 | 94855  | (o) | 5 | 162661 | (e) | 5 | -1.17 | 2.09E+08 |
| 1475.491 | 86718  | (o) | 6 | 154492 | (e) | 6 | -0.57 | 8.18E+08 |
| 1476.045 | 86718  | (o) | 6 | 154466 | (e) | 7 | -0.63 | 7.16E+08 |
| 1477.772 | 86797  | (o) | 8 | 154466 | (e) | 7 | -1.78 | 5.09E+07 |
| 1477.896 | 94120  | (o) | 6 | 161784 | (e) | 6 | -1.55 | 8.64E+07 |
| 1478.987 | 97637  | (o) | 5 | 165251 | (e) | 4 | -3.53 | 9.15E+05 |
| 1479.821 | 98135  | (o) | 4 | 165711 | (e) | 5 | -2.09 | 2.50E+07 |
| 1479.833 | 93827  | (o) | 4 | 161402 | (e) | 5 | -1.09 | 2.48E+08 |
| 1480.177 | 94120  | (o) | 6 | 161679 | (e) | 7 | -2.66 | 6.62E+06 |
| 1481.148 | 103781 | (o) | 4 | 171297 | (e) | 4 | -1.53 | 8.89E+07 |
| 1481.470 | 99083  | (o) | 4 | 166583 | (e) | 5 | -1.71 | 5.95E+07 |
| 1482.160 | 105879 | (o) | 6 | 173348 | (e) | 5 | -2.41 | 1.19E+07 |
| 1483.602 | 98321  | (o) | 5 | 165725 | (e) | 6 | -3.27 | 1.64E+06 |
| 1483.659 | 87091  | (o) | 5 | 154492 | (e) | 6 | -3.68 | 6.34E+05 |
| 1483.810 | 92007  | (o) | 5 | 159401 | (e) | 5 | -2.04 | 2.76E+07 |
| 1483.910 | 98321  | (o) | 5 | 165711 | (e) | 5 | -2.35 | 1.36E+07 |
| 1485.871 | 95380  | (o) | 5 | 162680 | (e) | 4 | -1.34 | 1.38E+08 |
| 1486.277 | 94120  | (o) | 6 | 161402 | (e) | 5 | -3.40 | 1.20E+06 |
| 1486.292 | 95380  | (o) | 5 | 162661 | (e) | 5 | -1.39 | 1.23E+08 |
| 1486.533 | 103799 | (o) | 6 | 171070 | (e) | 6 | -2.14 | 2.18E+07 |
| 1487.066 | 106102 | (o) | 6 | 173348 | (e) | 5 | -2.41 | 1.17E+07 |
| 1487.128 | 92007  | (o) | 5 | 159250 | (e) | 4 | -2.50 | 9.53E+06 |
| 1488.367 | 85542  | (o) | 5 | 152730 | (e) | 6 | -1.59 | 7.71E+07 |
| 1488.803 | 103781 | (o) | 4 | 170949 | (e) | 5 | -3.30 | 1.51E+06 |
| 1489.067 | 86797  | (o) | 8 | 153953 | (e) | 8 | -2.19 | 1.95E+07 |
| 1489.200 | 103799 | (o) | 6 | 170949 | (e) | 5 | -2.73 | 5.59E+06 |
| 1489.962 | 98135  | (o) | 4 | 165251 | (e) | 4 | -1.84 | 4.41E+07 |
| 1490.189 | 89919  | (o) | 4 | 157025 | (e) | 5 | -1.20 | 1.91E+08 |

|          |        |     |   |        |     |   |       |          |
|----------|--------|-----|---|--------|-----|---|-------|----------|
| 1491.179 | 90160  | (o) | 5 | 157221 | (e) | 6 | -3.00 | 3.04E+06 |
| 1491.683 | 99545  | (o) | 4 | 166583 | (e) | 5 | -1.00 | 2.97E+08 |
| 1492.666 | 100027 | (o) | 5 | 167022 | (e) | 6 | -1.64 | 6.85E+07 |
| 1493.078 | 95685  | (o) | 6 | 162661 | (e) | 5 | -1.47 | 1.03E+08 |
| 1493.701 | 21174  | (e) | 4 | 88122  | (o) | 5 | -3.52 | 9.13E+05 |
| 1494.107 | 98321  | (o) | 5 | 165251 | (e) | 4 | -3.17 | 2.02E+06 |
| 1494.117 | 94855  | (o) | 5 | 161784 | (e) | 6 | -1.19 | 1.92E+08 |
| 1495.073 | 78678  | (o) | 9 | 145564 | (e) | 8 | -1.67 | 6.33E+07 |
| 1495.149 | 86146  | (o) | 7 | 153029 | (e) | 7 | -1.02 | 2.86E+08 |
| 1495.290 | 100145 | (o) | 7 | 167022 | (e) | 6 | -1.71 | 5.89E+07 |
| 1495.569 | 90160  | (o) | 5 | 157025 | (e) | 5 | -3.49 | 9.63E+05 |
| 1495.843 | 101926 | (o) | 5 | 168778 | (e) | 4 | -2.90 | 3.76E+06 |
| 1496.616 | 92583  | (o) | 6 | 159401 | (e) | 5 | -3.03 | 2.79E+06 |
| 1498.675 | 104571 | (o) | 5 | 171297 | (e) | 4 | -3.46 | 1.04E+06 |
| 1499.722 | 102099 | (o) | 5 | 168778 | (e) | 4 | -1.38 | 1.25E+08 |
| 1500.069 | 106685 | (o) | 4 | 173348 | (e) | 5 | -1.33 | 1.40E+08 |
| 1501.065 | 87872  | (o) | 7 | 154492 | (e) | 6 | -1.76 | 5.09E+07 |
| 1501.466 | 96079  | (o) | 3 | 162680 | (e) | 4 | -0.91 | 3.60E+08 |
| 1501.639 | 87872  | (o) | 7 | 154466 | (e) | 7 | -1.66 | 6.49E+07 |
| 1501.860 | 86146  | (o) | 7 | 152730 | (e) | 6 | -1.29 | 1.51E+08 |
| 1502.502 | 100027 | (o) | 5 | 166583 | (e) | 5 | -0.91 | 3.68E+08 |
| 1502.683 | 94855  | (o) | 5 | 161402 | (e) | 5 | -1.19 | 1.90E+08 |
| 1502.864 | 87952  | (o) | 6 | 154492 | (e) | 6 | -1.44 | 1.07E+08 |
| 1503.439 | 87952  | (o) | 6 | 154466 | (e) | 7 | -1.67 | 6.43E+07 |
| 1503.784 | 104571 | (o) | 5 | 171070 | (e) | 6 | -3.65 | 6.60E+05 |
| 1504.512 | 106685 | (o) | 4 | 173152 | (e) | 4 | -0.85 | 4.17E+08 |
| 1504.583 | 98787  | (o) | 3 | 165251 | (e) | 4 | -2.24 | 1.72E+07 |
| 1504.757 | 28163  | (e) | 2 | 94619  | (o) | 3 | -3.81 | 4.51E+05 |
| 1505.148 | 98973  | (o) | 8 | 165411 | (e) | 7 | -2.80 | 4.66E+06 |
| 1505.546 | 86797  | (o) | 8 | 153218 | (e) | 9 | -3.10 | 2.32E+06 |
| 1505.930 | 95380  | (o) | 5 | 161784 | (e) | 6 | -3.24 | 1.70E+06 |
| 1506.454 | 106771 | (o) | 3 | 173152 | (e) | 4 | -1.75 | 5.25E+07 |
| 1506.496 | 90842  | (o) | 6 | 157221 | (e) | 6 | -2.42 | 1.11E+07 |
| 1506.513 | 104571 | (o) | 5 | 170949 | (e) | 5 | -2.04 | 2.64E+07 |
| 1506.712 | 88122  | (o) | 5 | 154492 | (e) | 6 | -1.76 | 5.15E+07 |
| 1508.853 | 107073 | (o) | 4 | 173348 | (e) | 5 | -1.87 | 3.90E+07 |
| 1509.097 | 88227  | (o) | 6 | 154492 | (e) | 6 | -2.02 | 2.82E+07 |
| 1509.676 | 88227  | (o) | 6 | 154466 | (e) | 7 | -1.94 | 3.34E+07 |
| 1509.849 | 86797  | (o) | 8 | 153029 | (e) | 7 | -2.85 | 4.13E+06 |
| 1510.032 | 101926 | (o) | 5 | 168149 | (e) | 4 | -1.85 | 4.11E+07 |
| 1510.185 | 96463  | (o) | 4 | 162680 | (e) | 4 | -3.81 | 4.61E+05 |
| 1510.620 | 96463  | (o) | 4 | 162661 | (e) | 5 | -3.45 | 1.05E+06 |
| 1510.977 | 90842  | (o) | 6 | 157025 | (e) | 5 | -2.31 | 1.44E+07 |
| 1511.345 | 99545  | (o) | 4 | 165711 | (e) | 5 | -2.04 | 2.70E+07 |
| 1511.491 | 91062  | (o) | 7 | 157221 | (e) | 6 | -1.31 | 1.41E+08 |
| 1511.803 | 95638  | (o) | 7 | 161784 | (e) | 6 | -2.64 | 6.72E+06 |
| 1511.933 | 105156 | (o) | 5 | 171297 | (e) | 4 | -1.59 | 7.53E+07 |
| 1511.942 | 101926 | (o) | 5 | 168066 | (e) | 5 | -1.54 | 8.35E+07 |

|          |        |     |   |        |     |   |       |          |
|----------|--------|-----|---|--------|-----|---|-------|----------|
| 1512.896 | 95685  | (o) | 6 | 161784 | (e) | 6 | -3.72 | 5.59E+05 |
| 1513.304 | 87872  | (o) | 7 | 153953 | (e) | 8 | -1.82 | 4.37E+07 |
| 1513.349 | 107073 | (o) | 4 | 173152 | (e) | 4 | -1.34 | 1.33E+08 |
| 1513.905 | 107294 | (o) | 6 | 173348 | (e) | 5 | -1.46 | 1.01E+08 |
| 1513.986 | 102099 | (o) | 5 | 168149 | (e) | 4 | -3.13 | 2.17E+06 |
| 1513.989 | 90974  | (o) | 4 | 157025 | (e) | 5 | -0.95 | 3.29E+08 |
| 1514.103 | 102020 | (o) | 6 | 168066 | (e) | 5 | -3.33 | 1.37E+06 |
| 1514.248 | 102738 | (o) | 4 | 168778 | (e) | 4 | -3.83 | 4.33E+05 |
| 1514.542 | 101926 | (o) | 5 | 167952 | (e) | 6 | -2.52 | 8.77E+06 |
| 1514.633 | 95380  | (o) | 5 | 161402 | (e) | 5 | -2.41 | 1.12E+07 |
| 1514.875 | 86718  | (o) | 6 | 152730 | (e) | 6 | -2.25 | 1.64E+07 |
| 1515.905 | 102099 | (o) | 5 | 168066 | (e) | 5 | -2.16 | 2.03E+07 |
| 1516.711 | 102020 | (o) | 6 | 167952 | (e) | 6 | -2.46 | 1.01E+07 |
| 1517.133 | 105156 | (o) | 5 | 171070 | (e) | 6 | -2.13 | 2.14E+07 |
| 1518.225 | 12547  | (e) | 4 | 78414  | (o) | 5 | -2.89 | 3.77E+06 |
| 1518.519 | 102099 | (o) | 5 | 167952 | (e) | 6 | -2.26 | 1.60E+07 |
| 1519.910 | 105156 | (o) | 5 | 170949 | (e) | 5 | -2.11 | 2.24E+07 |
| 1520.553 | 79226  | (o) | 6 | 144991 | (e) | 7 | -2.38 | 1.19E+07 |
| 1521.025 | 107603 | (o) | 6 | 173348 | (e) | 5 | -2.93 | 3.44E+06 |
| 1521.680 | 95685  | (o) | 6 | 161402 | (e) | 5 | -3.26 | 1.58E+06 |
| 1521.924 | 99545  | (o) | 4 | 165251 | (e) | 4 | -1.93 | 3.40E+07 |
| 1522.559 | 96982  | (o) | 6 | 162661 | (e) | 5 | -0.99 | 2.91E+08 |
| 1523.486 | 87091  | (o) | 5 | 152730 | (e) | 6 | -2.89 | 3.68E+06 |
| 1524.857 | 100145 | (o) | 7 | 165725 | (e) | 6 | -3.14 | 2.09E+06 |
| 1524.999 | 93827  | (o) | 4 | 159401 | (e) | 5 | -2.85 | 4.11E+06 |
| 1528.081 | 80123  | (o) | 8 | 145564 | (e) | 8 | -1.67 | 6.12E+07 |
| 1528.790 | 102738 | (o) | 4 | 168149 | (e) | 4 | -3.31 | 1.39E+06 |
| 1528.986 | 21174  | (e) | 4 | 86577  | (o) | 4 | -3.61 | 6.95E+05 |
| 1529.971 | 97319  | (o) | 4 | 162680 | (e) | 4 | -2.58 | 7.59E+06 |
| 1530.418 | 97319  | (o) | 4 | 162661 | (e) | 5 | -2.33 | 1.33E+07 |
| 1530.748 | 102738 | (o) | 4 | 168066 | (e) | 5 | -3.41 | 1.10E+06 |
| 1531.403 | 80265  | (o) | 7 | 145564 | (e) | 8 | -1.17 | 1.92E+08 |
| 1531.844 | 94120  | (o) | 6 | 159401 | (e) | 5 | -2.75 | 5.07E+06 |
| 1532.751 | 97438  | (o) | 3 | 162680 | (e) | 4 | -1.72 | 5.44E+07 |
| 1533.188 | 100027 | (o) | 5 | 165251 | (e) | 4 | -2.78 | 4.81E+06 |
| 1533.396 | 92007  | (o) | 5 | 157221 | (e) | 6 | -3.08 | 2.35E+06 |
| 1533.968 | 105879 | (o) | 6 | 171070 | (e) | 6 | -2.55 | 8.11E+06 |
| 1534.773 | 87872  | (o) | 7 | 153029 | (e) | 7 | -2.24 | 1.63E+07 |
| 1535.075 | 108205 | (o) | 4 | 173348 | (e) | 5 | -2.77 | 4.81E+06 |
| 1536.192 | 101926 | (o) | 5 | 167022 | (e) | 6 | -2.66 | 6.18E+06 |
| 1536.653 | 87952  | (o) | 6 | 153029 | (e) | 7 | -2.12 | 2.17E+07 |
| 1536.685 | 108273 | (o) | 5 | 173348 | (e) | 5 | -1.42 | 1.06E+08 |
| 1536.808 | 105879 | (o) | 6 | 170949 | (e) | 5 | -1.97 | 3.01E+07 |
| 1537.446 | 97637  | (o) | 5 | 162680 | (e) | 4 | -2.42 | 1.08E+07 |
| 1537.897 | 97637  | (o) | 5 | 162661 | (e) | 5 | -2.47 | 9.71E+06 |
| 1538.423 | 102020 | (o) | 6 | 167022 | (e) | 6 | -1.73 | 5.19E+07 |
| 1538.549 | 103781 | (o) | 4 | 168778 | (e) | 4 | -1.34 | 1.29E+08 |
| 1539.224 | 106102 | (o) | 6 | 171070 | (e) | 6 | -3.14 | 2.07E+06 |

|          |        |     |   |        |     |   |       |          |
|----------|--------|-----|---|--------|-----|---|-------|----------|
| 1539.729 | 108205 | (o) | 4 | 173152 | (e) | 4 | -3.64 | 6.51E+05 |
| 1540.284 | 102099 | (o) | 5 | 167022 | (e) | 6 | -3.58 | 7.52E+05 |
| 1541.349 | 108273 | (o) | 5 | 173152 | (e) | 4 | -1.72 | 5.32E+07 |
| 1541.576 | 80123  | (o) | 8 | 144991 | (e) | 7 | -2.85 | 3.99E+06 |
| 1541.673 | 38532  | (e) | 2 | 103397 | (o) | 2 | -3.60 | 7.15E+05 |
| 1542.083 | 106102 | (o) | 6 | 170949 | (e) | 5 | -2.51 | 8.79E+06 |
| 1542.097 | 108305 | (o) | 3 | 173152 | (e) | 4 | -1.41 | 1.09E+08 |
| 1543.170 | 88227  | (o) | 6 | 153029 | (e) | 7 | -1.95 | 3.15E+07 |
| 1543.173 | 96982  | (o) | 6 | 161784 | (e) | 6 | -2.96 | 3.10E+06 |
| 1543.742 | 87952  | (o) | 6 | 152730 | (e) | 6 | -2.16 | 1.95E+07 |
| 1544.956 | 80265  | (o) | 7 | 144991 | (e) | 7 | -1.00 | 2.77E+08 |
| 1545.660 | 96982  | (o) | 6 | 161679 | (e) | 7 | -2.42 | 1.05E+07 |
| 1546.613 | 101926 | (o) | 5 | 166583 | (e) | 5 | -1.52 | 8.48E+07 |
| 1547.076 | 92583  | (o) | 6 | 157221 | (e) | 6 | -1.79 | 4.54E+07 |
| 1547.240 | 94619  | (o) | 3 | 159250 | (e) | 4 | -2.47 | 9.40E+06 |
| 1547.709 | 106685 | (o) | 4 | 171297 | (e) | 4 | -1.92 | 3.33E+07 |
| 1547.804 | 88122  | (o) | 5 | 152730 | (e) | 6 | -2.15 | 1.96E+07 |
| 1548.874 | 102020 | (o) | 6 | 166583 | (e) | 5 | -1.76 | 4.79E+07 |
| 1549.277 | 94855  | (o) | 5 | 159401 | (e) | 5 | -4.00 | 2.80E+05 |
| 1549.310 | 98135  | (o) | 4 | 162680 | (e) | 4 | -1.25 | 1.58E+08 |
| 1549.763 | 106771 | (o) | 3 | 171297 | (e) | 4 | -2.55 | 7.83E+06 |
| 1549.768 | 98135  | (o) | 4 | 162661 | (e) | 5 | -2.00 | 2.78E+07 |
| 1550.320 | 88227  | (o) | 6 | 152730 | (e) | 6 | -1.66 | 6.15E+07 |
| 1551.802 | 92583  | (o) | 6 | 157025 | (e) | 5 | -1.93 | 3.29E+07 |
| 1552.313 | 96982  | (o) | 6 | 161402 | (e) | 5 | -2.30 | 1.38E+07 |
| 1552.894 | 94855  | (o) | 5 | 159250 | (e) | 4 | -2.70 | 5.57E+06 |
| 1553.564 | 103781 | (o) | 4 | 168149 | (e) | 4 | -2.06 | 2.42E+07 |
| 1553.574 | 21174  | (e) | 4 | 85542  | (o) | 5 | -2.40 | 1.11E+07 |
| 1553.792 | 98321  | (o) | 5 | 162680 | (e) | 4 | -3.04 | 2.55E+06 |
| 1554.253 | 98321  | (o) | 5 | 162661 | (e) | 5 | -2.27 | 1.47E+07 |
| 1555.585 | 103781 | (o) | 4 | 168066 | (e) | 5 | -2.34 | 1.25E+07 |
| 1556.018 | 103799 | (o) | 6 | 168066 | (e) | 5 | -2.35 | 1.22E+07 |
| 1556.070 | 106685 | (o) | 4 | 170949 | (e) | 5 | -1.98 | 2.87E+07 |
| 1556.412 | 92971  | (o) | 7 | 157221 | (e) | 6 | -2.79 | 4.48E+06 |
| 1557.062 | 107073 | (o) | 4 | 171297 | (e) | 4 | -1.65 | 6.10E+07 |
| 1557.139 | 109128 | (o) | 6 | 173348 | (e) | 5 | -2.27 | 1.49E+07 |
| 1557.469 | 104571 | (o) | 5 | 168778 | (e) | 4 | -2.68 | 5.76E+06 |
| 1558.255 | 106895 | (o) | 7 | 171070 | (e) | 6 | -2.26 | 1.51E+07 |
| 1558.931 | 97637  | (o) | 5 | 161784 | (e) | 6 | -1.96 | 3.02E+07 |
| 1560.483 | 97319  | (o) | 4 | 161402 | (e) | 5 | -1.85 | 3.91E+07 |
| 1561.308 | 38532  | (e) | 2 | 102581 | (o) | 2 | -3.28 | 1.46E+06 |
| 1561.982 | 95380  | (o) | 5 | 159401 | (e) | 5 | -2.08 | 2.29E+07 |
| 1565.125 | 98787  | (o) | 3 | 162680 | (e) | 4 | -1.73 | 5.04E+07 |
| 1565.309 | 109463 | (o) | 5 | 173348 | (e) | 5 | -1.87 | 3.75E+07 |
| 1565.525 | 107073 | (o) | 4 | 170949 | (e) | 5 | -2.56 | 7.45E+06 |
| 1565.659 | 95380  | (o) | 5 | 159250 | (e) | 4 | -2.21 | 1.66E+07 |
| 1566.297 | 102738 | (o) | 4 | 166583 | (e) | 5 | -1.78 | 4.49E+07 |
| 1567.416 | 101926 | (o) | 5 | 165725 | (e) | 6 | -1.82 | 4.07E+07 |

|          |        |     |   |        |     |   |       |          |
|----------|--------|-----|---|--------|-----|---|-------|----------|
| 1567.760 | 101926 | (o) | 5 | 165711 | (e) | 5 | -2.02 | 2.57E+07 |
| 1567.996 | 107294 | (o) | 6 | 171070 | (e) | 6 | -3.59 | 7.03E+05 |
| 1568.247 | 109386 | (o) | 3 | 173152 | (e) | 4 | -1.71 | 5.22E+07 |
| 1568.259 | 97637  | (o) | 5 | 161402 | (e) | 5 | -2.21 | 1.69E+07 |
| 1569.478 | 95685  | (o) | 6 | 159401 | (e) | 5 | -1.95 | 3.03E+07 |
| 1569.738 | 102020 | (o) | 6 | 165725 | (e) | 6 | -2.91 | 3.31E+06 |
| 1570.084 | 102020 | (o) | 6 | 165711 | (e) | 5 | -3.07 | 2.29E+06 |
| 1570.148 | 109463 | (o) | 5 | 173152 | (e) | 4 | -1.66 | 5.99E+07 |
| 1570.963 | 107294 | (o) | 6 | 170949 | (e) | 5 | -2.72 | 5.22E+06 |
| 1571.105 | 90842  | (o) | 6 | 154492 | (e) | 6 | -2.14 | 1.96E+07 |
| 1571.676 | 102099 | (o) | 5 | 165725 | (e) | 6 | -2.32 | 1.31E+07 |
| 1571.734 | 90842  | (o) | 6 | 154466 | (e) | 7 | -3.11 | 2.13E+06 |
| 1571.792 | 105156 | (o) | 5 | 168778 | (e) | 4 | -1.09 | 2.20E+08 |
| 1572.022 | 102099 | (o) | 5 | 165711 | (e) | 5 | -2.32 | 1.30E+07 |
| 1572.388 | 99083  | (o) | 4 | 162680 | (e) | 4 | -1.65 | 6.11E+07 |
| 1572.858 | 104571 | (o) | 5 | 168149 | (e) | 4 | -3.13 | 2.00E+06 |
| 1572.860 | 99083  | (o) | 4 | 162661 | (e) | 5 | -2.57 | 7.29E+06 |
| 1575.636 | 107603 | (o) | 6 | 171070 | (e) | 6 | -3.78 | 4.44E+05 |
| 1575.740 | 98321  | (o) | 5 | 161784 | (e) | 6 | -2.25 | 1.50E+07 |
| 1575.846 | 109694 | (o) | 3 | 173152 | (e) | 4 | -1.69 | 5.49E+07 |
| 1576.538 | 91062  | (o) | 7 | 154492 | (e) | 6 | -1.96 | 2.97E+07 |
| 1577.171 | 91062  | (o) | 7 | 154466 | (e) | 7 | -3.78 | 4.46E+05 |
| 1577.502 | 102020 | (o) | 6 | 165411 | (e) | 7 | -2.46 | 9.26E+06 |
| 1577.751 | 104571 | (o) | 5 | 167952 | (e) | 6 | -2.33 | 1.24E+07 |
| 1577.754 | 109967 | (o) | 4 | 173348 | (e) | 5 | -3.44 | 9.67E+05 |
| 1579.645 | 82259  | (o) | 8 | 145564 | (e) | 8 | -1.51 | 8.31E+07 |
| 1580.605 | 98135  | (o) | 4 | 161402 | (e) | 5 | -2.80 | 4.27E+06 |
| 1580.875 | 110092 | (o) | 6 | 173348 | (e) | 5 | -2.04 | 2.43E+07 |
| 1581.715 | 103799 | (o) | 6 | 167022 | (e) | 6 | -3.33 | 1.26E+06 |
| 1582.338 | 93827  | (o) | 4 | 157025 | (e) | 5 | -2.47 | 9.16E+06 |
| 1582.678 | 107886 | (o) | 7 | 171070 | (e) | 6 | -2.62 | 6.38E+06 |
| 1582.983 | 96079  | (o) | 3 | 159250 | (e) | 4 | -2.12 | 2.03E+07 |
| 1583.470 | 102099 | (o) | 5 | 165251 | (e) | 4 | -2.41 | 1.03E+07 |
| 1583.897 | 99545  | (o) | 4 | 162680 | (e) | 4 | -2.28 | 1.40E+07 |
| 1584.376 | 99545  | (o) | 4 | 162661 | (e) | 5 | -2.45 | 9.47E+06 |
| 1584.749 | 94120  | (o) | 6 | 157221 | (e) | 6 | -1.25 | 1.49E+08 |
| 1585.002 | 108205 | (o) | 4 | 171297 | (e) | 4 | -2.90 | 3.33E+06 |
| 1585.271 | 98321  | (o) | 5 | 161402 | (e) | 5 | -2.59 | 6.83E+06 |
| 1586.719 | 108273 | (o) | 5 | 171297 | (e) | 4 | -2.17 | 1.79E+07 |
| 1587.467 | 105156 | (o) | 5 | 168149 | (e) | 4 | -3.90 | 3.34E+05 |
| 1587.512 | 108305 | (o) | 3 | 171297 | (e) | 4 | -1.92 | 3.23E+07 |
| 1587.989 | 102738 | (o) | 4 | 165711 | (e) | 5 | -3.52 | 7.98E+05 |
| 1588.873 | 96463  | (o) | 4 | 159401 | (e) | 5 | -1.88 | 3.50E+07 |
| 1589.577 | 105156 | (o) | 5 | 168066 | (e) | 5 | -2.04 | 2.40E+07 |
| 1589.708 | 94120  | (o) | 6 | 157025 | (e) | 5 | -1.55 | 7.46E+07 |
| 1590.044 | 91062  | (o) | 7 | 153953 | (e) | 8 | -2.79 | 4.27E+06 |
| 1592.311 | 103781 | (o) | 4 | 166583 | (e) | 5 | -2.49 | 8.49E+06 |
| 1592.447 | 108273 | (o) | 5 | 171070 | (e) | 6 | -2.89 | 3.40E+06 |

|          |        |     |   |        |     |   |       |          |
|----------|--------|-----|---|--------|-----|---|-------|----------|
| 1592.452 | 105156 | (o) | 5 | 167952 | (e) | 6 | -2.79 | 4.23E+06 |
| 1592.678 | 96463  | (o) | 4 | 159250 | (e) | 4 | -1.79 | 4.33E+07 |
| 1592.765 | 103799 | (o) | 6 | 166583 | (e) | 5 | -2.85 | 3.74E+06 |
| 1593.772 | 108205 | (o) | 4 | 170949 | (e) | 5 | -2.91 | 3.27E+06 |
| 1594.070 | 82259  | (o) | 8 | 144991 | (e) | 7 | -2.12 | 1.99E+07 |
| 1594.729 | 98973  | (o) | 8 | 161679 | (e) | 7 | -2.82 | 3.93E+06 |
| 1595.507 | 108273 | (o) | 5 | 170949 | (e) | 5 | -1.66 | 5.77E+07 |
| 1596.102 | 100027 | (o) | 5 | 162680 | (e) | 4 | -2.25 | 1.49E+07 |
| 1596.588 | 100027 | (o) | 5 | 162661 | (e) | 5 | -1.73 | 4.88E+07 |
| 1596.811 | 110724 | (o) | 5 | 173348 | (e) | 5 | -2.15 | 1.85E+07 |
| 1598.228 | 90160  | (o) | 5 | 152730 | (e) | 6 | -2.32 | 1.25E+07 |
| 1599.673 | 102738 | (o) | 4 | 165251 | (e) | 4 | -3.13 | 1.95E+06 |
| 1600.384 | 92007  | (o) | 5 | 154492 | (e) | 6 | -3.03 | 2.42E+06 |
| 1601.261 | 104571 | (o) | 5 | 167022 | (e) | 6 | -1.96 | 2.83E+07 |
| 1601.848 | 110724 | (o) | 5 | 173152 | (e) | 4 | -2.68 | 5.47E+06 |
| 1602.086 | 96982  | (o) | 6 | 159401 | (e) | 5 | -1.46 | 9.02E+07 |
| 1603.415 | 94855  | (o) | 5 | 157221 | (e) | 6 | -1.81 | 4.04E+07 |
| 1604.633 | 99083  | (o) | 4 | 161402 | (e) | 5 | -2.96 | 2.83E+06 |
| 1608.069 | 105879 | (o) | 6 | 168066 | (e) | 5 | -2.57 | 6.98E+06 |
| 1608.492 | 94855  | (o) | 5 | 157025 | (e) | 5 | -1.53 | 7.65E+07 |
| 1609.257 | 98973  | (o) | 8 | 161113 | (e) | 8 | -3.27 | 1.37E+06 |
| 1609.815 | 21174  | (e) | 4 | 83293  | (o) | 5 | -2.68 | 5.40E+06 |
| 1609.998 | 111237 | (o) | 5 | 173348 | (e) | 5 | -2.92 | 3.11E+06 |
| 1610.494 | 106685 | (o) | 4 | 168778 | (e) | 4 | -3.24 | 1.47E+06 |
| 1610.790 | 97319  | (o) | 4 | 159401 | (e) | 5 | -2.61 | 6.28E+06 |
| 1611.011 | 105879 | (o) | 6 | 167952 | (e) | 6 | -3.55 | 7.34E+05 |
| 1612.013 | 83530  | (o) | 7 | 145564 | (e) | 8 | -2.01 | 2.50E+07 |
| 1612.586 | 104571 | (o) | 5 | 166583 | (e) | 5 | -1.76 | 4.39E+07 |
| 1612.718 | 106771 | (o) | 3 | 168778 | (e) | 4 | -1.90 | 3.20E+07 |
| 1613.761 | 111381 | (o) | 6 | 173348 | (e) | 5 | -3.35 | 1.15E+06 |
| 1613.762 | 91062  | (o) | 7 | 153029 | (e) | 7 | -1.66 | 5.62E+07 |
| 1613.845 | 106102 | (o) | 6 | 168066 | (e) | 5 | -3.80 | 4.09E+05 |
| 1614.422 | 109128 | (o) | 6 | 171070 | (e) | 6 | -2.70 | 5.16E+06 |
| 1614.700 | 97319  | (o) | 4 | 159250 | (e) | 4 | -2.59 | 6.61E+06 |
| 1614.735 | 103781 | (o) | 4 | 165711 | (e) | 5 | -2.83 | 3.82E+06 |
| 1614.837 | 103799 | (o) | 6 | 165725 | (e) | 6 | -2.46 | 8.90E+06 |
| 1615.119 | 111237 | (o) | 5 | 173152 | (e) | 4 | -3.17 | 1.75E+06 |
| 1615.202 | 103799 | (o) | 6 | 165711 | (e) | 5 | -2.67 | 5.49E+06 |
| 1615.238 | 109386 | (o) | 3 | 171297 | (e) | 4 | -2.98 | 2.67E+06 |
| 1615.292 | 92583  | (o) | 6 | 154492 | (e) | 6 | -1.41 | 9.87E+07 |
| 1615.956 | 92583  | (o) | 6 | 154466 | (e) | 7 | -1.50 | 8.09E+07 |
| 1616.405 | 105156 | (o) | 5 | 167022 | (e) | 6 | -2.70 | 5.05E+06 |
| 1616.621 | 99545  | (o) | 4 | 161402 | (e) | 5 | -3.02 | 2.46E+06 |
| 1616.808 | 106102 | (o) | 6 | 167952 | (e) | 6 | -3.45 | 9.18E+05 |
| 1617.027 | 95380  | (o) | 5 | 157221 | (e) | 6 | -1.83 | 3.76E+07 |
| 1617.255 | 109463 | (o) | 5 | 171297 | (e) | 4 | -2.59 | 6.60E+06 |
| 1617.568 | 109128 | (o) | 6 | 170949 | (e) | 5 | -2.59 | 6.53E+06 |
| 1617.797 | 97438  | (o) | 3 | 159250 | (e) | 4 | -3.18 | 1.69E+06 |

|          |        |     |   |        |     |   |       |          |
|----------|--------|-----|---|--------|-----|---|-------|----------|
| 1619.077 | 97637  | (o) | 5 | 159401 | (e) | 5 | -2.62 | 6.12E+06 |
| 1619.270 | 100027 | (o) | 5 | 161784 | (e) | 6 | -1.52 | 7.77E+07 |
| 1619.427 | 111598 | (o) | 6 | 173348 | (e) | 5 | -3.96 | 2.80E+05 |
| 1620.624 | 107073 | (o) | 4 | 168778 | (e) | 4 | -1.62 | 6.12E+07 |
| 1621.583 | 91062  | (o) | 7 | 152730 | (e) | 6 | -2.23 | 1.50E+07 |
| 1621.986 | 35329  | (e) | 6 | 96982  | (o) | 6 | -3.94 | 2.89E+05 |
| 1622.191 | 95380  | (o) | 5 | 157025 | (e) | 5 | -2.24 | 1.45E+07 |
| 1622.359 | 100145 | (o) | 7 | 161784 | (e) | 6 | -2.90 | 3.16E+06 |
| 1623.028 | 97637  | (o) | 5 | 159250 | (e) | 4 | -2.80 | 4.01E+06 |
| 1623.054 | 103799 | (o) | 6 | 165411 | (e) | 7 | -2.03 | 2.38E+07 |
| 1623.206 | 109463 | (o) | 5 | 171070 | (e) | 6 | -2.10 | 2.04E+07 |
| 1623.300 | 109694 | (o) | 3 | 171297 | (e) | 4 | -3.55 | 7.18E+05 |
| 1623.801 | 95638  | (o) | 7 | 157221 | (e) | 6 | -1.90 | 3.21E+07 |
| 1625.063 | 95685  | (o) | 6 | 157221 | (e) | 6 | -2.02 | 2.40E+07 |
| 1625.109 | 100145 | (o) | 7 | 161679 | (e) | 7 | -3.08 | 2.12E+06 |
| 1625.471 | 92971  | (o) | 7 | 154492 | (e) | 6 | -3.61 | 6.22E+05 |
| 1626.144 | 92971  | (o) | 7 | 154466 | (e) | 7 | -3.18 | 1.68E+06 |
| 1626.386 | 109463 | (o) | 5 | 170949 | (e) | 5 | -1.76 | 4.40E+07 |
| 1626.817 | 103781 | (o) | 4 | 165251 | (e) | 4 | -2.59 | 6.47E+06 |
| 1626.889 | 111881 | (o) | 5 | 173348 | (e) | 5 | -1.59 | 6.48E+07 |
| 1626.954 | 106685 | (o) | 4 | 168149 | (e) | 4 | -3.00 | 2.54E+06 |
| 1627.038 | 83530  | (o) | 7 | 144991 | (e) | 7 | -2.00 | 2.52E+07 |
| 1627.946 | 105156 | (o) | 5 | 166583 | (e) | 5 | -3.66 | 5.53E+05 |
| 1629.224 | 106771 | (o) | 3 | 168149 | (e) | 4 | -1.96 | 2.72E+07 |
| 1629.337 | 100027 | (o) | 5 | 161402 | (e) | 5 | -1.89 | 3.28E+07 |
| 1630.278 | 95685  | (o) | 6 | 157025 | (e) | 5 | -2.33 | 1.17E+07 |
| 1630.543 | 109967 | (o) | 4 | 171297 | (e) | 4 | -2.94 | 2.87E+06 |
| 1632.117 | 111881 | (o) | 5 | 173152 | (e) | 4 | -1.95 | 2.81E+07 |
| 1632.240 | 98135  | (o) | 4 | 159401 | (e) | 5 | -2.26 | 1.38E+07 |
| 1635.214 | 104571 | (o) | 5 | 165725 | (e) | 6 | -2.96 | 2.73E+06 |
| 1635.529 | 105879 | (o) | 6 | 167022 | (e) | 6 | -2.60 | 6.27E+06 |
| 1635.589 | 104571 | (o) | 5 | 165711 | (e) | 5 | -3.27 | 1.33E+06 |
| 1636.255 | 98135  | (o) | 4 | 159250 | (e) | 4 | -3.20 | 1.57E+06 |
| 1637.215 | 98321  | (o) | 5 | 159401 | (e) | 5 | -3.38 | 1.04E+06 |
| 1637.293 | 107073 | (o) | 4 | 168149 | (e) | 4 | -2.44 | 8.91E+06 |
| 1637.819 | 106895 | (o) | 7 | 167952 | (e) | 6 | -3.27 | 1.34E+06 |
| 1639.538 | 107073 | (o) | 4 | 168066 | (e) | 5 | -2.23 | 1.45E+07 |
| 1639.825 | 109967 | (o) | 4 | 170949 | (e) | 5 | -3.96 | 2.70E+05 |
| 1639.832 | 92971  | (o) | 7 | 153953 | (e) | 8 | -3.34 | 1.14E+06 |
| 1640.198 | 100145 | (o) | 7 | 161113 | (e) | 8 | -1.91 | 3.03E+07 |
| 1640.969 | 112409 | (o) | 4 | 173348 | (e) | 5 | -2.87 | 3.36E+06 |
| 1641.141 | 112218 | (o) | 3 | 173152 | (e) | 4 | -2.53 | 7.39E+06 |
| 1641.255 | 98321  | (o) | 5 | 159250 | (e) | 4 | -3.45 | 8.89E+05 |
| 1641.505 | 106102 | (o) | 6 | 167022 | (e) | 6 | -2.56 | 6.85E+06 |
| 1643.198 | 110092 | (o) | 6 | 170949 | (e) | 5 | -3.40 | 9.91E+05 |
| 1643.210 | 112492 | (o) | 5 | 173348 | (e) | 5 | -1.56 | 6.86E+07 |
| 1645.504 | 107294 | (o) | 6 | 168066 | (e) | 5 | -2.33 | 1.17E+07 |
| 1645.971 | 101926 | (o) | 5 | 162680 | (e) | 4 | -3.15 | 1.76E+06 |

|          |        |     |   |        |     |   |       |          |
|----------|--------|-----|---|--------|-----|---|-------|----------|
| 1646.288 | 112409 | (o) | 4 | 173152 | (e) | 4 | -3.19 | 1.59E+06 |
| 1646.488 | 101926 | (o) | 5 | 162661 | (e) | 5 | -3.35 | 1.10E+06 |
| 1646.822 | 92007  | (o) | 5 | 152730 | (e) | 6 | -3.65 | 5.54E+05 |
| 1648.544 | 112492 | (o) | 5 | 173152 | (e) | 4 | -1.86 | 3.39E+07 |
| 1648.584 | 107294 | (o) | 6 | 167952 | (e) | 6 | -2.21 | 1.53E+07 |
| 1649.051 | 102020 | (o) | 6 | 162661 | (e) | 5 | -2.28 | 1.29E+07 |
| 1650.669 | 102099 | (o) | 5 | 162680 | (e) | 4 | -2.96 | 2.68E+06 |
| 1650.905 | 110724 | (o) | 5 | 171297 | (e) | 4 | -2.94 | 2.86E+06 |
| 1651.011 | 105156 | (o) | 5 | 165725 | (e) | 6 | -2.23 | 1.43E+07 |
| 1651.189 | 102099 | (o) | 5 | 162661 | (e) | 5 | -3.35 | 1.10E+06 |
| 1651.214 | 96463  | (o) | 4 | 157025 | (e) | 5 | -2.36 | 1.07E+07 |
| 1651.392 | 105156 | (o) | 5 | 165711 | (e) | 5 | -3.96 | 2.67E+05 |
| 1652.740 | 84486  | (o) | 6 | 144991 | (e) | 7 | -3.36 | 1.06E+06 |
| 1652.776 | 108273 | (o) | 5 | 168778 | (e) | 4 | -1.50 | 7.72E+07 |
| 1653.409 | 106102 | (o) | 6 | 166583 | (e) | 5 | -2.64 | 5.62E+06 |
| 1653.636 | 108305 | (o) | 3 | 168778 | (e) | 4 | -1.90 | 3.10E+07 |
| 1653.905 | 98787  | (o) | 3 | 159250 | (e) | 4 | -3.03 | 2.30E+06 |
| 1653.919 | 107603 | (o) | 6 | 168066 | (e) | 5 | -3.05 | 2.17E+06 |
| 1654.391 | 92583  | (o) | 6 | 153029 | (e) | 7 | -2.67 | 5.16E+06 |
| 1656.404 | 94120  | (o) | 6 | 154492 | (e) | 6 | -1.95 | 2.70E+07 |
| 1656.836 | 35329  | (e) | 6 | 95685  | (o) | 6 | -3.67 | 5.22E+05 |
| 1657.103 | 94120  | (o) | 6 | 154466 | (e) | 7 | -1.97 | 2.58E+07 |
| 1657.107 | 110724 | (o) | 5 | 171070 | (e) | 6 | -2.88 | 3.25E+06 |
| 1657.876 | 99083  | (o) | 4 | 159401 | (e) | 5 | -3.50 | 7.77E+05 |
| 1660.047 | 96982  | (o) | 6 | 157221 | (e) | 6 | -3.92 | 2.88E+05 |
| 1660.422 | 110724 | (o) | 5 | 170949 | (e) | 5 | -3.02 | 2.34E+06 |
| 1662.019 | 99083  | (o) | 4 | 159250 | (e) | 4 | -3.67 | 5.18E+05 |
| 1662.612 | 92583  | (o) | 6 | 152730 | (e) | 6 | -2.35 | 1.07E+07 |
| 1663.167 | 106895 | (o) | 7 | 167022 | (e) | 6 | -3.76 | 4.18E+05 |
| 1664.031 | 105156 | (o) | 5 | 165251 | (e) | 4 | -3.04 | 2.18E+06 |
| 1664.821 | 107886 | (o) | 7 | 167952 | (e) | 6 | -2.85 | 3.43E+06 |
| 1665.005 | 111237 | (o) | 5 | 171297 | (e) | 4 | -2.11 | 1.87E+07 |
| 1665.071 | 92971  | (o) | 7 | 153029 | (e) | 7 | -2.88 | 3.18E+06 |
| 1665.489 | 96982  | (o) | 6 | 157025 | (e) | 5 | -3.59 | 6.11E+05 |
| 1667.337 | 113176 | (o) | 3 | 173152 | (e) | 4 | -1.95 | 2.71E+07 |
| 1668.214 | 108205 | (o) | 4 | 168149 | (e) | 4 | -2.22 | 1.44E+07 |
| 1668.283 | 102738 | (o) | 4 | 162680 | (e) | 4 | -2.83 | 3.52E+06 |
| 1668.814 | 102738 | (o) | 4 | 162661 | (e) | 5 | -2.20 | 1.50E+07 |
| 1669.245 | 113441 | (o) | 5 | 173348 | (e) | 5 | -2.23 | 1.40E+07 |
| 1669.277 | 113442 | (o) | 4 | 173348 | (e) | 5 | -2.97 | 2.56E+06 |
| 1669.498 | 106685 | (o) | 4 | 166583 | (e) | 5 | -1.50 | 7.65E+07 |
| 1670.116 | 108273 | (o) | 5 | 168149 | (e) | 4 | -2.64 | 5.47E+06 |
| 1670.545 | 108205 | (o) | 4 | 168066 | (e) | 5 | -1.92 | 2.89E+07 |
| 1670.620 | 101926 | (o) | 5 | 161784 | (e) | 6 | -2.72 | 4.57E+06 |
| 1670.675 | 99545  | (o) | 4 | 159401 | (e) | 5 | -2.66 | 5.21E+06 |
| 1670.968 | 105879 | (o) | 6 | 165725 | (e) | 6 | -2.06 | 2.10E+07 |
| 1671.314 | 111237 | (o) | 5 | 171070 | (e) | 6 | -1.96 | 2.64E+07 |
| 1671.359 | 105879 | (o) | 6 | 165711 | (e) | 5 | -2.79 | 3.88E+06 |

|          |        |     |   |        |     |   |       |          |
|----------|--------|-----|---|--------|-----|---|-------|----------|
| 1672.452 | 108273 | (o) | 5 | 168066 | (e) | 5 | -2.49 | 7.75E+06 |
| 1673.259 | 102020 | (o) | 6 | 161784 | (e) | 6 | -2.85 | 3.35E+06 |
| 1673.398 | 92971  | (o) | 7 | 152730 | (e) | 6 | -2.95 | 2.66E+06 |
| 1674.269 | 107294 | (o) | 6 | 167022 | (e) | 6 | -2.98 | 2.52E+06 |
| 1674.685 | 111237 | (o) | 5 | 170949 | (e) | 5 | -3.13 | 1.76E+06 |
| 1674.749 | 113441 | (o) | 5 | 173152 | (e) | 4 | -2.63 | 5.62E+06 |
| 1674.883 | 99545  | (o) | 4 | 159250 | (e) | 4 | -2.47 | 8.17E+06 |
| 1674.897 | 97319  | (o) | 4 | 157025 | (e) | 5 | -3.57 | 6.45E+05 |
| 1675.091 | 113453 | (o) | 3 | 173152 | (e) | 4 | -3.18 | 1.59E+06 |
| 1675.369 | 111381 | (o) | 6 | 171070 | (e) | 6 | -3.82 | 3.60E+05 |
| 1675.634 | 108273 | (o) | 5 | 167952 | (e) | 6 | -2.32 | 1.14E+07 |
| 1676.184 | 102020 | (o) | 6 | 161679 | (e) | 7 | -2.09 | 1.92E+07 |
| 1676.807 | 94855  | (o) | 5 | 154492 | (e) | 6 | -2.19 | 1.52E+07 |
| 1677.206 | 106102 | (o) | 6 | 165725 | (e) | 6 | -2.56 | 6.63E+06 |
| 1677.600 | 106102 | (o) | 6 | 165711 | (e) | 5 | -2.87 | 3.19E+06 |
| 1678.297 | 97637  | (o) | 5 | 157221 | (e) | 6 | -3.79 | 3.87E+05 |
| 1678.757 | 111381 | (o) | 6 | 170949 | (e) | 5 | -2.97 | 2.51E+06 |
| 1679.768 | 105879 | (o) | 6 | 165411 | (e) | 7 | -2.50 | 7.57E+06 |
| 1680.387 | 107073 | (o) | 4 | 166583 | (e) | 5 | -3.53 | 6.97E+05 |
| 1681.338 | 101926 | (o) | 5 | 161402 | (e) | 5 | -2.92 | 2.87E+06 |
| 1681.476 | 111598 | (o) | 6 | 171070 | (e) | 6 | -3.11 | 1.83E+06 |
| 1682.972 | 86146  | (o) | 7 | 145564 | (e) | 8 | -2.15 | 1.68E+07 |
| 1682.982 | 107603 | (o) | 6 | 167022 | (e) | 6 | -2.93 | 2.78E+06 |
| 1683.076 | 111881 | (o) | 5 | 171297 | (e) | 4 | -3.21 | 1.47E+06 |
| 1683.742 | 109386 | (o) | 3 | 168778 | (e) | 4 | -3.41 | 9.15E+05 |
| 1683.859 | 97637  | (o) | 5 | 157025 | (e) | 5 | -3.48 | 7.86E+05 |
| 1683.984 | 113965 | (o) | 5 | 173348 | (e) | 5 | -3.13 | 1.77E+06 |
| 1684.011 | 102020 | (o) | 6 | 161402 | (e) | 5 | -1.86 | 3.23E+07 |
| 1684.888 | 111598 | (o) | 6 | 170949 | (e) | 5 | -2.35 | 1.05E+07 |
| 1685.934 | 109463 | (o) | 5 | 168778 | (e) | 4 | -1.80 | 3.75E+07 |
| 1686.072 | 106102 | (o) | 6 | 165411 | (e) | 7 | -2.03 | 2.19E+07 |
| 1686.240 | 102099 | (o) | 5 | 161402 | (e) | 5 | -3.40 | 9.48E+05 |
| 1686.654 | 107294 | (o) | 6 | 166583 | (e) | 5 | -3.11 | 1.84E+06 |
| 1689.523 | 111881 | (o) | 5 | 171070 | (e) | 6 | -3.19 | 1.49E+06 |
| 1689.586 | 113965 | (o) | 5 | 173152 | (e) | 4 | -2.62 | 5.66E+06 |
| 1689.770 | 114169 | (o) | 5 | 173348 | (e) | 5 | -2.51 | 7.21E+06 |
| 1691.019 | 107886 | (o) | 7 | 167022 | (e) | 6 | -3.20 | 1.49E+06 |
| 1691.700 | 95380  | (o) | 5 | 154492 | (e) | 6 | -1.59 | 5.92E+07 |
| 1692.505 | 109694 | (o) | 3 | 168778 | (e) | 4 | -2.54 | 6.62E+06 |
| 1692.674 | 112218 | (o) | 3 | 171297 | (e) | 4 | -2.58 | 6.19E+06 |
| 1692.968 | 111881 | (o) | 5 | 170949 | (e) | 5 | -1.89 | 3.01E+07 |
| 1694.166 | 106685 | (o) | 4 | 165711 | (e) | 5 | -3.13 | 1.72E+06 |
| 1695.411 | 114169 | (o) | 5 | 173152 | (e) | 4 | -3.96 | 2.56E+05 |
| 1695.497 | 107603 | (o) | 6 | 166583 | (e) | 5 | -1.41 | 9.07E+07 |
| 1696.708 | 109128 | (o) | 6 | 168066 | (e) | 5 | -2.37 | 9.99E+06 |
| 1697.545 | 94120  | (o) | 6 | 153029 | (e) | 7 | -1.93 | 2.68E+07 |
| 1697.635 | 38532  | (e) | 2 | 97438  | (o) | 3 | -2.83 | 3.44E+06 |
| 1697.794 | 98321  | (o) | 5 | 157221 | (e) | 6 | -2.80 | 3.69E+06 |

|          |        |     |   |        |     |   |       |          |
|----------|--------|-----|---|--------|-----|---|-------|----------|
| 1697.827 | 103781 | (o) | 4 | 162680 | (e) | 4 | -2.93 | 2.72E+06 |
| 1698.101 | 98135  | (o) | 4 | 157025 | (e) | 5 | -1.93 | 2.72E+07 |
| 1698.378 | 103781 | (o) | 4 | 162661 | (e) | 5 | -3.82 | 3.46E+05 |
| 1698.894 | 103799 | (o) | 6 | 162661 | (e) | 5 | -1.58 | 6.13E+07 |
| 1699.355 | 86146  | (o) | 7 | 144991 | (e) | 7 | -2.29 | 1.20E+07 |
| 1699.827 | 106895 | (o) | 7 | 165725 | (e) | 6 | -2.25 | 1.30E+07 |
| 1699.850 | 95638  | (o) | 7 | 154466 | (e) | 7 | -3.04 | 2.12E+06 |
| 1699.984 | 109128 | (o) | 6 | 167952 | (e) | 6 | -2.71 | 4.56E+06 |
| 1700.380 | 109967 | (o) | 4 | 168778 | (e) | 4 | -2.73 | 4.25E+06 |
| 1700.496 | 95685  | (o) | 6 | 154492 | (e) | 6 | -2.42 | 8.77E+06 |
| 1700.550 | 112492 | (o) | 5 | 171297 | (e) | 4 | -2.50 | 7.39E+06 |
| 1701.233 | 95685  | (o) | 6 | 154466 | (e) | 7 | -2.03 | 2.16E+07 |
| 1701.280 | 112291 | (o) | 7 | 171070 | (e) | 6 | -2.87 | 3.12E+06 |
| 1701.621 | 86797  | (o) | 8 | 145564 | (e) | 8 | -2.02 | 2.18E+07 |
| 1701.742 | 109386 | (o) | 3 | 168149 | (e) | 4 | -3.32 | 1.10E+06 |
| 1702.176 | 108273 | (o) | 5 | 167022 | (e) | 6 | -2.10 | 1.83E+07 |
| 1703.487 | 98321  | (o) | 5 | 157025 | (e) | 5 | -2.59 | 5.88E+06 |
| 1703.981 | 109463 | (o) | 5 | 168149 | (e) | 4 | -3.07 | 1.99E+06 |
| 1704.626 | 102738 | (o) | 4 | 161402 | (e) | 5 | -2.97 | 2.46E+06 |
| 1705.380 | 107073 | (o) | 4 | 165711 | (e) | 5 | -2.55 | 6.52E+06 |
| 1706.201 | 94120  | (o) | 6 | 152730 | (e) | 6 | -2.13 | 1.67E+07 |
| 1706.413 | 109463 | (o) | 5 | 168066 | (e) | 5 | -2.64 | 5.31E+06 |
| 1707.131 | 112492 | (o) | 5 | 171070 | (e) | 6 | -2.68 | 4.77E+06 |
| 1707.471 | 106685 | (o) | 4 | 165251 | (e) | 4 | -3.74 | 4.19E+05 |
| 1708.220 | 112409 | (o) | 4 | 170949 | (e) | 5 | -2.66 | 5.01E+06 |
| 1708.935 | 106895 | (o) | 7 | 165411 | (e) | 7 | -2.64 | 5.20E+06 |
| 1709.726 | 109463 | (o) | 5 | 167952 | (e) | 6 | -2.40 | 9.21E+06 |
| 1709.971 | 106771 | (o) | 3 | 165251 | (e) | 4 | -2.12 | 1.74E+07 |
| 1710.649 | 112492 | (o) | 5 | 170949 | (e) | 5 | -3.84 | 3.30E+05 |
| 1710.694 | 109694 | (o) | 3 | 168149 | (e) | 4 | -2.15 | 1.60E+07 |
| 1711.425 | 107294 | (o) | 6 | 165725 | (e) | 6 | -2.11 | 1.78E+07 |
| 1711.835 | 107294 | (o) | 6 | 165711 | (e) | 5 | -2.82 | 3.47E+06 |
| 1712.974 | 108205 | (o) | 4 | 166583 | (e) | 5 | -3.00 | 2.28E+06 |
| 1714.813 | 95638  | (o) | 7 | 153953 | (e) | 8 | -2.86 | 3.18E+06 |
| 1714.979 | 108273 | (o) | 5 | 166583 | (e) | 5 | -1.97 | 2.45E+07 |
| 1716.037 | 86718  | (o) | 6 | 144991 | (e) | 7 | -1.96 | 2.47E+07 |
| 1718.371 | 86797  | (o) | 8 | 144991 | (e) | 7 | -2.48 | 7.52E+06 |
| 1718.739 | 109967 | (o) | 4 | 168149 | (e) | 4 | -3.05 | 1.98E+06 |
| 1718.862 | 107073 | (o) | 4 | 165251 | (e) | 4 | -3.10 | 1.77E+06 |
| 1719.270 | 114987 | (o) | 3 | 173152 | (e) | 4 | -2.56 | 6.28E+06 |
| 1720.531 | 107603 | (o) | 6 | 165725 | (e) | 6 | -2.32 | 1.10E+07 |
| 1720.554 | 113176 | (o) | 3 | 171297 | (e) | 4 | -2.62 | 5.43E+06 |
| 1720.658 | 107294 | (o) | 6 | 165411 | (e) | 7 | -1.58 | 5.90E+07 |
| 1720.898 | 104571 | (o) | 5 | 162680 | (e) | 4 | -3.37 | 9.51E+05 |
| 1720.945 | 107603 | (o) | 6 | 165711 | (e) | 5 | -1.78 | 3.77E+07 |
| 1721.213 | 109967 | (o) | 4 | 168066 | (e) | 5 | -3.87 | 2.97E+05 |
| 1721.463 | 104571 | (o) | 5 | 162661 | (e) | 5 | -3.20 | 1.40E+06 |
| 1722.536 | 110724 | (o) | 5 | 168778 | (e) | 4 | -2.48 | 7.51E+06 |

|          |        |     |   |        |     |   |       |          |
|----------|--------|-----|---|--------|-----|---|-------|----------|
| 1724.929 | 110092 | (o) | 6 | 168066 | (e) | 5 | -3.39 | 9.14E+05 |
| 1725.865 | 99083  | (o) | 4 | 157025 | (e) | 5 | -3.66 | 4.90E+05 |
| 1727.308 | 109128 | (o) | 6 | 167022 | (e) | 6 | -2.63 | 5.25E+06 |
| 1727.706 | 103799 | (o) | 6 | 161679 | (e) | 7 | -3.27 | 1.21E+06 |
| 1727.857 | 94855  | (o) | 5 | 152730 | (e) | 6 | -1.70 | 4.50E+07 |
| 1728.449 | 113441 | (o) | 5 | 171297 | (e) | 4 | -2.95 | 2.53E+06 |
| 1728.484 | 113442 | (o) | 4 | 171297 | (e) | 4 | -1.92 | 2.71E+07 |
| 1728.813 | 113453 | (o) | 3 | 171297 | (e) | 4 | -3.08 | 1.87E+06 |
| 1728.931 | 107886 | (o) | 7 | 165725 | (e) | 6 | -2.64 | 5.13E+06 |
| 1729.862 | 107603 | (o) | 6 | 165411 | (e) | 7 | -1.41 | 8.68E+07 |
| 1733.344 | 87872  | (o) | 7 | 145564 | (e) | 8 | -3.16 | 1.53E+06 |
| 1735.248 | 113441 | (o) | 5 | 171070 | (e) | 6 | -2.79 | 3.59E+06 |
| 1735.484 | 103781 | (o) | 4 | 161402 | (e) | 5 | -2.60 | 5.54E+06 |
| 1736.023 | 103799 | (o) | 6 | 161402 | (e) | 5 | -2.72 | 4.19E+06 |
| 1737.367 | 109463 | (o) | 5 | 167022 | (e) | 6 | -2.20 | 1.39E+07 |
| 1737.891 | 111237 | (o) | 5 | 168778 | (e) | 4 | -3.15 | 1.56E+06 |
| 1738.842 | 96982  | (o) | 6 | 154492 | (e) | 6 | -2.12 | 1.68E+07 |
| 1738.883 | 113441 | (o) | 5 | 170949 | (e) | 5 | -2.03 | 2.06E+07 |
| 1738.918 | 113442 | (o) | 4 | 170949 | (e) | 5 | -1.61 | 5.37E+07 |
| 1738.953 | 108205 | (o) | 4 | 165711 | (e) | 5 | -1.96 | 2.45E+07 |
| 1738.978 | 105156 | (o) | 5 | 162661 | (e) | 5 | -3.22 | 1.34E+06 |
| 1739.612 | 96982  | (o) | 6 | 154466 | (e) | 7 | -2.44 | 7.98E+06 |
| 1739.740 | 99545  | (o) | 4 | 157025 | (e) | 5 | -3.38 | 9.31E+05 |
| 1739.885 | 101926 | (o) | 5 | 159401 | (e) | 5 | -2.27 | 1.19E+07 |
| 1740.494 | 109128 | (o) | 6 | 166583 | (e) | 5 | -3.21 | 1.37E+06 |
| 1740.595 | 108273 | (o) | 5 | 165725 | (e) | 6 | -3.40 | 8.69E+05 |
| 1741.020 | 108273 | (o) | 5 | 165711 | (e) | 5 | -3.87 | 3.00E+05 |
| 1741.379 | 110724 | (o) | 5 | 168149 | (e) | 4 | -1.86 | 3.05E+07 |
| 1742.432 | 95638  | (o) | 7 | 153029 | (e) | 7 | -3.80 | 3.49E+05 |
| 1742.747 | 102020 | (o) | 6 | 159401 | (e) | 5 | -3.28 | 1.15E+06 |
| 1742.973 | 115778 | (o) | 5 | 173152 | (e) | 4 | -2.76 | 3.82E+06 |
| 1743.675 | 95380  | (o) | 5 | 152730 | (e) | 6 | -2.74 | 4.02E+06 |
| 1743.860 | 115808 | (o) | 3 | 173152 | (e) | 4 | -2.77 | 3.72E+06 |
| 1743.885 | 95685  | (o) | 6 | 153029 | (e) | 7 | -3.88 | 2.88E+05 |
| 1743.919 | 110724 | (o) | 5 | 168066 | (e) | 5 | -2.00 | 2.21E+07 |
| 1744.257 | 113965 | (o) | 5 | 171297 | (e) | 4 | -1.50 | 7.03E+07 |
| 1744.448 | 101926 | (o) | 5 | 159250 | (e) | 4 | -3.46 | 7.65E+05 |
| 1745.136 | 102099 | (o) | 5 | 159401 | (e) | 5 | -2.95 | 2.47E+06 |
| 1747.047 | 21174  | (e) | 4 | 78414  | (o) | 5 | -3.30 | 1.10E+06 |
| 1747.379 | 110724 | (o) | 5 | 167952 | (e) | 6 | -2.27 | 1.17E+07 |
| 1747.861 | 104571 | (o) | 5 | 161784 | (e) | 6 | -2.19 | 1.40E+07 |
| 1748.437 | 100027 | (o) | 5 | 157221 | (e) | 6 | -2.55 | 6.21E+06 |
| 1749.726 | 102099 | (o) | 5 | 159250 | (e) | 4 | -2.59 | 5.60E+06 |
| 1750.466 | 114169 | (o) | 5 | 171297 | (e) | 4 | -2.64 | 4.99E+06 |
| 1750.708 | 109463 | (o) | 5 | 166583 | (e) | 5 | -1.85 | 3.10E+07 |
| 1751.181 | 113965 | (o) | 5 | 171070 | (e) | 6 | -1.04 | 2.00E+08 |
| 1752.039 | 100145 | (o) | 7 | 157221 | (e) | 6 | -1.14 | 1.57E+08 |
| 1752.383 | 116283 | (o) | 4 | 173348 | (e) | 5 | -2.42 | 8.29E+06 |

|          |        |     |   |        |     |   |       |          |
|----------|--------|-----|---|--------|-----|---|-------|----------|
| 1752.973 | 108205 | (o) | 4 | 165251 | (e) | 4 | -1.88 | 2.87E+07 |
| 1753.021 | 95685  | (o) | 6 | 152730 | (e) | 6 | -3.88 | 2.89E+05 |
| 1753.175 | 87952  | (o) | 6 | 144991 | (e) | 7 | -2.25 | 1.23E+07 |
| 1754.476 | 100027 | (o) | 5 | 157025 | (e) | 5 | -3.01 | 2.14E+06 |
| 1754.883 | 113965 | (o) | 5 | 170949 | (e) | 5 | -2.79 | 3.51E+06 |
| 1755.073 | 108273 | (o) | 5 | 165251 | (e) | 4 | -2.68 | 4.48E+06 |
| 1755.157 | 116374 | (o) | 4 | 173348 | (e) | 5 | -1.87 | 2.91E+07 |
| 1756.044 | 108305 | (o) | 3 | 165251 | (e) | 4 | -2.72 | 4.17E+06 |
| 1756.565 | 110092 | (o) | 6 | 167022 | (e) | 6 | -1.51 | 6.63E+07 |
| 1757.074 | 111237 | (o) | 5 | 168149 | (e) | 4 | -1.83 | 3.20E+07 |
| 1757.440 | 114169 | (o) | 5 | 171070 | (e) | 6 | -2.14 | 1.57E+07 |
| 1757.588 | 111881 | (o) | 5 | 168778 | (e) | 4 | -2.70 | 4.26E+06 |
| 1758.876 | 97637  | (o) | 5 | 154492 | (e) | 6 | -1.97 | 2.30E+07 |
| 1759.596 | 104571 | (o) | 5 | 161402 | (e) | 5 | -2.61 | 5.28E+06 |
| 1759.660 | 111237 | (o) | 5 | 168066 | (e) | 5 | -1.74 | 3.95E+07 |
| 1761.168 | 114169 | (o) | 5 | 170949 | (e) | 5 | -2.31 | 1.04E+07 |
| 1761.244 | 116374 | (o) | 4 | 173152 | (e) | 4 | -2.07 | 1.83E+07 |
| 1761.663 | 88227  | (o) | 6 | 144991 | (e) | 7 | -2.66 | 4.72E+06 |
| 1763.183 | 111237 | (o) | 5 | 167952 | (e) | 6 | -1.42 | 8.21E+07 |
| 1764.155 | 111381 | (o) | 6 | 168066 | (e) | 5 | -3.59 | 5.43E+05 |
| 1765.921 | 105156 | (o) | 5 | 161784 | (e) | 6 | -3.96 | 2.36E+05 |
| 1766.290 | 109967 | (o) | 4 | 166583 | (e) | 5 | -2.30 | 1.07E+07 |
| 1766.465 | 116738 | (o) | 4 | 173348 | (e) | 5 | -3.01 | 2.10E+06 |
| 1766.884 | 109128 | (o) | 6 | 165725 | (e) | 6 | -2.82 | 3.24E+06 |
| 1767.321 | 109128 | (o) | 6 | 165711 | (e) | 5 | -2.17 | 1.43E+07 |
| 1767.697 | 111381 | (o) | 6 | 167952 | (e) | 6 | -1.76 | 3.69E+07 |
| 1768.057 | 112218 | (o) | 3 | 168778 | (e) | 4 | -2.31 | 1.04E+07 |
| 1768.064 | 106102 | (o) | 6 | 162661 | (e) | 5 | -3.18 | 1.43E+06 |
| 1769.531 | 102738 | (o) | 4 | 159250 | (e) | 4 | -3.00 | 2.14E+06 |
| 1770.203 | 110092 | (o) | 6 | 166583 | (e) | 5 | -3.48 | 6.96E+05 |
| 1770.928 | 111598 | (o) | 6 | 168066 | (e) | 5 | -3.59 | 5.51E+05 |
| 1770.947 | 116882 | (o) | 5 | 173348 | (e) | 5 | -2.63 | 5.00E+06 |
| 1772.630 | 116738 | (o) | 4 | 173152 | (e) | 4 | -2.12 | 1.60E+07 |
| 1772.982 | 116946 | (o) | 5 | 173348 | (e) | 5 | -1.25 | 1.21E+08 |
| 1774.033 | 112409 | (o) | 4 | 168778 | (e) | 4 | -3.55 | 6.03E+05 |
| 1774.497 | 111598 | (o) | 6 | 167952 | (e) | 6 | -2.49 | 6.90E+06 |
| 1776.652 | 112492 | (o) | 5 | 168778 | (e) | 4 | -3.19 | 1.37E+06 |
| 1776.726 | 109128 | (o) | 6 | 165411 | (e) | 7 | -2.07 | 1.79E+07 |
| 1777.211 | 111881 | (o) | 5 | 168149 | (e) | 4 | -2.87 | 2.85E+06 |
| 1777.411 | 109463 | (o) | 5 | 165725 | (e) | 6 | -2.93 | 2.50E+06 |
| 1777.853 | 109463 | (o) | 5 | 165711 | (e) | 5 | -3.19 | 1.36E+06 |
| 1777.900 | 105156 | (o) | 5 | 161402 | (e) | 5 | -2.84 | 3.03E+06 |
| 1779.193 | 116946 | (o) | 5 | 173152 | (e) | 4 | -1.69 | 4.32E+07 |
| 1779.856 | 111881 | (o) | 5 | 168066 | (e) | 5 | -2.41 | 8.10E+06 |
| 1780.302 | 98321  | (o) | 5 | 154492 | (e) | 6 | -3.38 | 8.81E+05 |
| 1781.795 | 117225 | (o) | 4 | 173348 | (e) | 5 | -1.50 | 6.71E+07 |
| 1783.461 | 111881 | (o) | 5 | 167952 | (e) | 6 | -2.07 | 1.79E+07 |
| 1784.235 | 96982  | (o) | 6 | 153029 | (e) | 7 | -2.70 | 4.19E+06 |

|          |        |     |   |        |     |   |       |          |
|----------|--------|-----|---|--------|-----|---|-------|----------|
| 1785.866 | 106685 | (o) | 4 | 162680 | (e) | 4 | -3.82 | 3.20E+05 |
| 1786.475 | 106685 | (o) | 4 | 162661 | (e) | 5 | -2.44 | 7.64E+06 |
| 1787.915 | 112218 | (o) | 3 | 168149 | (e) | 4 | -1.87 | 2.83E+07 |
| 1788.068 | 117225 | (o) | 4 | 173152 | (e) | 4 | -1.33 | 9.72E+07 |
| 1788.602 | 106771 | (o) | 3 | 162680 | (e) | 4 | -3.04 | 1.88E+06 |
| 1790.032 | 109386 | (o) | 3 | 165251 | (e) | 4 | -2.80 | 3.29E+06 |
| 1790.208 | 110724 | (o) | 5 | 166583 | (e) | 5 | -1.78 | 3.43E+07 |
| 1792.115 | 105879 | (o) | 6 | 161679 | (e) | 7 | -3.41 | 8.17E+05 |
| 1792.510 | 109463 | (o) | 5 | 165251 | (e) | 4 | -3.52 | 6.39E+05 |
| 1792.595 | 111237 | (o) | 5 | 167022 | (e) | 6 | -1.33 | 9.77E+07 |
| 1793.924 | 109967 | (o) | 4 | 165711 | (e) | 5 | -2.33 | 9.50E+06 |
| 1793.996 | 117607 | (o) | 6 | 173348 | (e) | 5 | -3.72 | 3.96E+05 |
| 1794.026 | 112409 | (o) | 4 | 168149 | (e) | 4 | -1.75 | 3.69E+07 |
| 1796.705 | 112492 | (o) | 5 | 168149 | (e) | 4 | -1.65 | 4.61E+07 |
| 1796.722 | 112409 | (o) | 4 | 168066 | (e) | 5 | -2.36 | 8.93E+06 |
| 1797.260 | 111381 | (o) | 6 | 167022 | (e) | 6 | -1.12 | 1.55E+08 |
| 1797.509 | 110092 | (o) | 6 | 165725 | (e) | 6 | -0.80 | 3.23E+08 |
| 1797.961 | 110092 | (o) | 6 | 165711 | (e) | 5 | -1.57 | 5.53E+07 |
| 1798.331 | 107073 | (o) | 4 | 162680 | (e) | 4 | -2.86 | 2.81E+06 |
| 1798.499 | 113176 | (o) | 3 | 168778 | (e) | 4 | -3.26 | 1.13E+06 |
| 1798.511 | 103799 | (o) | 6 | 159401 | (e) | 5 | -2.49 | 6.70E+06 |
| 1798.948 | 107073 | (o) | 4 | 162661 | (e) | 5 | -3.94 | 2.39E+05 |
| 1799.292 | 106102 | (o) | 6 | 161679 | (e) | 7 | -3.45 | 7.38E+05 |
| 1799.409 | 112492 | (o) | 5 | 168066 | (e) | 5 | -1.00 | 2.09E+08 |
| 1799.940 | 109694 | (o) | 3 | 165251 | (e) | 4 | -2.67 | 4.35E+06 |
| 1801.065 | 105879 | (o) | 6 | 161402 | (e) | 5 | -2.72 | 3.98E+06 |
| 1801.213 | 115778 | (o) | 5 | 171297 | (e) | 4 | -2.25 | 1.17E+07 |
| 1802.016 | 98973  | (o) | 8 | 154466 | (e) | 7 | 0.01  | 2.11E+09 |
| 1802.161 | 115808 | (o) | 3 | 171297 | (e) | 4 | -1.71 | 4.06E+07 |
| 1803.093 | 112492 | (o) | 5 | 167952 | (e) | 6 | -0.90 | 2.62E+08 |
| 1804.290 | 111598 | (o) | 6 | 167022 | (e) | 6 | -1.56 | 5.62E+07 |
| 1806.133 | 107294 | (o) | 6 | 162661 | (e) | 5 | -2.33 | 9.62E+06 |
| 1806.800 | 111237 | (o) | 5 | 166583 | (e) | 5 | -1.95 | 2.30E+07 |
| 1807.126 | 113441 | (o) | 5 | 168778 | (e) | 4 | -1.87 | 2.76E+07 |
| 1807.164 | 113442 | (o) | 4 | 168778 | (e) | 4 | -1.02 | 1.96E+08 |
| 1807.525 | 113453 | (o) | 3 | 168778 | (e) | 4 | -2.11 | 1.61E+07 |
| 1807.696 | 110092 | (o) | 6 | 165411 | (e) | 7 | -0.72 | 3.89E+08 |
| 1808.313 | 106102 | (o) | 6 | 161402 | (e) | 5 | -3.02 | 1.97E+06 |
| 1808.459 | 101926 | (o) | 5 | 157221 | (e) | 6 | -2.21 | 1.27E+07 |
| 1808.598 | 115778 | (o) | 5 | 171070 | (e) | 6 | -1.21 | 1.25E+08 |
| 1808.849 | 109967 | (o) | 4 | 165251 | (e) | 4 | -2.67 | 4.27E+06 |
| 1811.540 | 111381 | (o) | 6 | 166583 | (e) | 5 | -2.09 | 1.65E+07 |
| 1811.551 | 102020 | (o) | 6 | 157221 | (e) | 6 | -2.63 | 4.78E+06 |
| 1812.547 | 115778 | (o) | 5 | 170949 | (e) | 5 | -1.21 | 1.25E+08 |
| 1813.559 | 111881 | (o) | 5 | 167022 | (e) | 6 | -3.65 | 4.49E+05 |
| 1814.132 | 102099 | (o) | 5 | 157221 | (e) | 6 | -3.71 | 3.98E+05 |
| 1814.919 | 101926 | (o) | 5 | 157025 | (e) | 5 | -2.17 | 1.38E+07 |
| 1815.129 | 97637  | (o) | 5 | 152730 | (e) | 6 | -2.38 | 8.40E+06 |

|          |        |     |   |        |     |   |       |          |
|----------|--------|-----|---|--------|-----|---|-------|----------|
| 1816.183 | 118288 | (o) | 5 | 173348 | (e) | 5 | -3.20 | 1.28E+06 |
| 1816.277 | 107603 | (o) | 6 | 162661 | (e) | 5 | -0.86 | 2.81E+08 |
| 1818.034 | 102020 | (o) | 6 | 157025 | (e) | 5 | -2.91 | 2.47E+06 |
| 1818.140 | 110724 | (o) | 5 | 165725 | (e) | 6 | -2.55 | 5.71E+06 |
| 1818.602 | 110724 | (o) | 5 | 165711 | (e) | 5 | -1.02 | 1.95E+08 |
| 1818.682 | 111598 | (o) | 6 | 166583 | (e) | 5 | -2.35 | 9.10E+06 |
| 1818.841 | 98973  | (o) | 8 | 153953 | (e) | 8 | 0.55  | 7.18E+09 |
| 1819.051 | 113176 | (o) | 3 | 168149 | (e) | 4 | -2.60 | 5.02E+06 |
| 1820.633 | 102099 | (o) | 5 | 157025 | (e) | 5 | -3.92 | 2.43E+05 |
| 1820.732 | 116374 | (o) | 4 | 171297 | (e) | 4 | -2.48 | 6.73E+06 |
| 1821.884 | 106895 | (o) | 7 | 161784 | (e) | 6 | -0.09 | 1.62E+09 |
| 1822.701 | 118288 | (o) | 5 | 173152 | (e) | 4 | -2.79 | 3.28E+06 |
| 1824.413 | 113965 | (o) | 5 | 168778 | (e) | 4 | -1.45 | 7.09E+07 |
| 1825.352 | 106895 | (o) | 7 | 161679 | (e) | 7 | 0.40  | 5.03E+09 |
| 1827.112 | 112291 | (o) | 7 | 167022 | (e) | 6 | -2.60 | 5.00E+06 |
| 1827.577 | 106685 | (o) | 4 | 161402 | (e) | 5 | -2.04 | 1.84E+07 |
| 1827.877 | 113441 | (o) | 5 | 168149 | (e) | 4 | -0.49 | 6.54E+08 |
| 1827.916 | 113442 | (o) | 4 | 168149 | (e) | 4 | 0.26  | 3.61E+09 |
| 1828.100 | 111881 | (o) | 5 | 166583 | (e) | 5 | -3.05 | 1.78E+06 |
| 1828.285 | 113453 | (o) | 3 | 168149 | (e) | 4 | -3.40 | 7.98E+05 |
| 1828.839 | 104571 | (o) | 5 | 159250 | (e) | 4 | -3.55 | 5.54E+05 |
| 1829.290 | 116283 | (o) | 4 | 170949 | (e) | 5 | -3.61 | 4.95E+05 |
| 1829.567 | 118494 | (o) | 3 | 173152 | (e) | 4 | -2.30 | 1.01E+07 |
| 1830.676 | 113441 | (o) | 5 | 168066 | (e) | 5 | -0.28 | 1.04E+09 |
| 1830.715 | 113442 | (o) | 4 | 168066 | (e) | 5 | 0.10  | 2.49E+09 |
| 1831.207 | 114169 | (o) | 5 | 168778 | (e) | 4 | -2.23 | 1.18E+07 |
| 1832.313 | 116374 | (o) | 4 | 170949 | (e) | 5 | -1.31 | 9.64E+07 |
| 1832.903 | 116738 | (o) | 4 | 171297 | (e) | 4 | -3.04 | 1.80E+06 |
| 1833.863 | 112492 | (o) | 5 | 167022 | (e) | 6 | -1.85 | 2.83E+07 |
| 1833.942 | 110724 | (o) | 5 | 165251 | (e) | 4 | -1.31 | 9.84E+07 |
| 1834.489 | 113441 | (o) | 5 | 167952 | (e) | 6 | 0.13  | 2.67E+09 |
| 1834.771 | 91062  | (o) | 7 | 145564 | (e) | 8 | -1.80 | 3.12E+07 |
| 1835.214 | 107294 | (o) | 6 | 161784 | (e) | 6 | -0.65 | 4.50E+08 |
| 1835.255 | 111237 | (o) | 5 | 165725 | (e) | 6 | 0.22  | 3.29E+09 |
| 1835.704 | 108205 | (o) | 4 | 162680 | (e) | 4 | -3.54 | 5.76E+05 |
| 1835.727 | 111237 | (o) | 5 | 165711 | (e) | 5 | 0.43  | 5.28E+09 |
| 1836.068 | 100027 | (o) | 5 | 154492 | (e) | 6 | -2.85 | 2.84E+06 |
| 1836.347 | 108205 | (o) | 4 | 162661 | (e) | 5 | -3.02 | 1.91E+06 |
| 1837.730 | 116882 | (o) | 5 | 171297 | (e) | 4 | -1.41 | 7.78E+07 |
| 1837.957 | 98321  | (o) | 5 | 152730 | (e) | 6 | -2.56 | 5.42E+06 |
| 1838.733 | 107294 | (o) | 6 | 161679 | (e) | 7 | -0.59 | 5.07E+08 |
| 1839.071 | 108305 | (o) | 3 | 162680 | (e) | 4 | -3.78 | 3.29E+05 |
| 1839.921 | 116946 | (o) | 5 | 171297 | (e) | 4 | -0.11 | 1.52E+09 |
| 1840.041 | 100145 | (o) | 7 | 154492 | (e) | 6 | 0.57  | 7.32E+09 |
| 1840.146 | 111381 | (o) | 6 | 165725 | (e) | 6 | 0.17  | 2.88E+09 |
| 1840.620 | 111381 | (o) | 6 | 165711 | (e) | 5 | -0.26 | 1.08E+09 |
| 1840.633 | 107073 | (o) | 4 | 161402 | (e) | 5 | -2.43 | 7.33E+06 |
| 1840.903 | 100145 | (o) | 7 | 154466 | (e) | 7 | 0.59  | 7.58E+09 |

|          |        |     |   |        |     |   |       |          |
|----------|--------|-----|---|--------|-----|---|-------|----------|
| 1841.936 | 119058 | (o) | 5 | 173348 | (e) | 5 | -3.36 | 8.67E+05 |
| 1843.482 | 119103 | (o) | 4 | 173348 | (e) | 5 | -2.25 | 1.11E+07 |
| 1843.487 | 98973  | (o) | 8 | 153218 | (e) | 9 | 0.83  | 1.32E+10 |
| 1844.411 | 106895 | (o) | 7 | 161113 | (e) | 8 | 0.66  | 8.89E+09 |
| 1844.641 | 116738 | (o) | 4 | 170949 | (e) | 5 | -2.04 | 1.78E+07 |
| 1845.418 | 116882 | (o) | 5 | 171070 | (e) | 6 | -0.70 | 3.91E+08 |
| 1845.565 | 113965 | (o) | 5 | 168149 | (e) | 4 | -0.25 | 1.09E+09 |
| 1845.689 | 107603 | (o) | 6 | 161784 | (e) | 6 | 0.52  | 6.51E+09 |
| 1845.897 | 112409 | (o) | 4 | 166583 | (e) | 5 | -3.18 | 1.30E+06 |
| 1846.750 | 90842  | (o) | 6 | 144991 | (e) | 7 | -1.89 | 2.52E+07 |
| 1847.516 | 111598 | (o) | 6 | 165725 | (e) | 6 | -0.36 | 8.43E+08 |
| 1847.627 | 116946 | (o) | 5 | 171070 | (e) | 6 | 0.61  | 7.88E+09 |
| 1847.994 | 111598 | (o) | 6 | 165711 | (e) | 5 | -0.75 | 3.50E+08 |
| 1848.156 | 107294 | (o) | 6 | 161402 | (e) | 5 | -0.52 | 5.99E+08 |
| 1848.418 | 113965 | (o) | 5 | 168066 | (e) | 5 | 0.15  | 2.74E+09 |
| 1848.621 | 105156 | (o) | 5 | 159250 | (e) | 4 | -3.56 | 5.35E+05 |
| 1848.641 | 119058 | (o) | 5 | 173152 | (e) | 4 | -3.72 | 3.67E+05 |
| 1848.733 | 112492 | (o) | 5 | 166583 | (e) | 5 | -1.54 | 5.74E+07 |
| 1849.248 | 107603 | (o) | 6 | 161679 | (e) | 7 | 0.24  | 3.36E+09 |
| 1849.413 | 117225 | (o) | 4 | 171297 | (e) | 4 | 0.33  | 4.21E+09 |
| 1849.529 | 116882 | (o) | 5 | 170949 | (e) | 5 | -1.27 | 1.05E+08 |
| 1849.943 | 98973  | (o) | 8 | 153029 | (e) | 7 | -0.97 | 2.07E+08 |
| 1850.198 | 119103 | (o) | 4 | 173152 | (e) | 4 | -1.98 | 2.05E+07 |
| 1850.824 | 111381 | (o) | 6 | 165411 | (e) | 7 | 0.45  | 5.44E+09 |
| 1851.358 | 111237 | (o) | 5 | 165251 | (e) | 4 | 0.47  | 5.72E+09 |
| 1851.748 | 116946 | (o) | 5 | 170949 | (e) | 5 | 0.29  | 3.83E+09 |
| 1851.773 | 119149 | (o) | 3 | 173152 | (e) | 4 | -3.18 | 1.30E+06 |
| 1852.306 | 113965 | (o) | 5 | 167952 | (e) | 6 | 0.43  | 5.27E+09 |
| 1852.518 | 114169 | (o) | 5 | 168149 | (e) | 4 | -2.34 | 8.95E+06 |
| 1854.261 | 91062  | (o) | 7 | 144991 | (e) | 7 | -3.88 | 2.55E+05 |
| 1855.358 | 107886 | (o) | 7 | 161784 | (e) | 6 | -0.59 | 5.06E+08 |
| 1855.392 | 114169 | (o) | 5 | 168066 | (e) | 5 | -3.08 | 1.59E+06 |
| 1857.235 | 111881 | (o) | 5 | 165725 | (e) | 6 | -2.63 | 4.49E+06 |
| 1857.718 | 111881 | (o) | 5 | 165711 | (e) | 5 | -1.89 | 2.47E+07 |
| 1858.280 | 111598 | (o) | 6 | 165411 | (e) | 7 | -0.07 | 1.65E+09 |
| 1858.465 | 100145 | (o) | 7 | 153953 | (e) | 8 | 0.37  | 4.49E+09 |
| 1858.779 | 107603 | (o) | 6 | 161402 | (e) | 5 | 0.50  | 6.20E+09 |
| 1858.955 | 107886 | (o) | 7 | 161679 | (e) | 7 | -0.06 | 1.68E+09 |
| 1859.073 | 114987 | (o) | 3 | 168778 | (e) | 4 | -2.46 | 6.67E+06 |
| 1859.310 | 114169 | (o) | 5 | 167952 | (e) | 6 | -1.79 | 3.11E+07 |
| 1861.364 | 117225 | (o) | 4 | 170949 | (e) | 5 | 0.19  | 2.96E+09 |
| 1863.487 | 119686 | (o) | 4 | 173348 | (e) | 5 | -2.95 | 2.15E+06 |
| 1866.350 | 113441 | (o) | 5 | 167022 | (e) | 6 | -0.90 | 2.43E+08 |
| 1867.806 | 117531 | (o) | 7 | 171070 | (e) | 6 | -3.83 | 2.82E+05 |
| 1868.010 | 109128 | (o) | 6 | 162661 | (e) | 5 | -1.79 | 3.09E+07 |
| 1868.414 | 105879 | (o) | 6 | 159401 | (e) | 5 | -3.99 | 1.96E+05 |
| 1868.798 | 108273 | (o) | 5 | 161784 | (e) | 6 | -1.58 | 5.03E+07 |
| 1870.350 | 119686 | (o) | 4 | 173152 | (e) | 4 | -2.98 | 1.98E+06 |

|          |        |     |   |        |     |   |       |          |
|----------|--------|-----|---|--------|-----|---|-------|----------|
| 1871.452 | 112291 | (o) | 7 | 165725 | (e) | 6 | -3.82 | 2.91E+05 |
| 1871.881 | 103799 | (o) | 6 | 157221 | (e) | 6 | -3.65 | 4.30E+05 |
| 1873.728 | 111881 | (o) | 5 | 165251 | (e) | 4 | -2.88 | 2.49E+06 |
| 1874.683 | 117607 | (o) | 6 | 170949 | (e) | 5 | -3.24 | 1.11E+06 |
| 1876.100 | 112409 | (o) | 4 | 165711 | (e) | 5 | -2.86 | 2.65E+06 |
| 1878.173 | 103781 | (o) | 4 | 157025 | (e) | 5 | -2.87 | 2.52E+06 |
| 1878.535 | 112492 | (o) | 5 | 165725 | (e) | 6 | -2.15 | 1.36E+07 |
| 1878.726 | 107886 | (o) | 7 | 161113 | (e) | 8 | 0.18  | 2.89E+09 |
| 1878.804 | 103799 | (o) | 6 | 157025 | (e) | 5 | -2.82 | 2.87E+06 |
| 1879.107 | 109463 | (o) | 5 | 162680 | (e) | 4 | -2.38 | 8.02E+06 |
| 1879.781 | 109463 | (o) | 5 | 162661 | (e) | 5 | -1.89 | 2.44E+07 |
| 1879.804 | 108205 | (o) | 4 | 161402 | (e) | 5 | -3.52 | 5.70E+05 |
| 1881.041 | 114987 | (o) | 3 | 168149 | (e) | 4 | -2.37 | 8.13E+06 |
| 1881.753 | 113441 | (o) | 5 | 166583 | (e) | 5 | -1.07 | 1.59E+08 |
| 1881.794 | 113442 | (o) | 4 | 166583 | (e) | 5 | -0.86 | 2.63E+08 |
| 1882.219 | 108273 | (o) | 5 | 161402 | (e) | 5 | -1.64 | 4.30E+07 |
| 1882.498 | 112291 | (o) | 7 | 165411 | (e) | 7 | -3.96 | 2.07E+05 |
| 1884.794 | 113965 | (o) | 5 | 167022 | (e) | 6 | -0.72 | 3.57E+08 |
| 1885.630 | 112218 | (o) | 3 | 165251 | (e) | 4 | -2.53 | 5.58E+06 |
| 1886.406 | 120141 | (o) | 3 | 173152 | (e) | 4 | -3.00 | 1.86E+06 |
| 1886.489 | 118288 | (o) | 5 | 171297 | (e) | 4 | -1.53 | 5.59E+07 |
| 1886.818 | 115778 | (o) | 5 | 168778 | (e) | 4 | -3.39 | 7.56E+05 |
| 1887.273 | 109694 | (o) | 3 | 162680 | (e) | 4 | -2.43 | 6.89E+06 |
| 1887.858 | 115808 | (o) | 3 | 168778 | (e) | 4 | -2.10 | 1.49E+07 |
| 1890.949 | 100145 | (o) | 7 | 153029 | (e) | 7 | -0.34 | 8.53E+08 |
| 1891.045 | 120468 | (o) | 4 | 173348 | (e) | 5 | -3.14 | 1.35E+06 |
| 1892.046 | 114169 | (o) | 5 | 167022 | (e) | 6 | -1.80 | 2.97E+07 |
| 1892.429 | 112409 | (o) | 4 | 165251 | (e) | 4 | -3.88 | 2.48E+05 |
| 1894.591 | 118288 | (o) | 5 | 171070 | (e) | 6 | -1.02 | 1.78E+08 |
| 1895.410 | 112492 | (o) | 5 | 165251 | (e) | 4 | -2.60 | 4.76E+06 |
| 1896.557 | 120621 | (o) | 6 | 173348 | (e) | 5 | -2.15 | 1.31E+07 |
| 1896.962 | 106685 | (o) | 4 | 159401 | (e) | 5 | -3.60 | 4.63E+05 |
| 1897.757 | 109967 | (o) | 4 | 162661 | (e) | 5 | -3.96 | 2.03E+05 |
| 1898.113 | 120468 | (o) | 4 | 173152 | (e) | 4 | -2.58 | 4.84E+06 |
| 1898.925 | 118288 | (o) | 5 | 170949 | (e) | 5 | -1.79 | 3.02E+07 |
| 1899.135 | 109128 | (o) | 6 | 161784 | (e) | 6 | -2.65 | 4.13E+06 |
| 1899.318 | 104571 | (o) | 5 | 157221 | (e) | 6 | -3.75 | 3.29E+05 |
| 1900.504 | 113965 | (o) | 5 | 166583 | (e) | 5 | -0.81 | 2.87E+08 |
| 1901.386 | 92971  | (o) | 7 | 145564 | (e) | 8 | -2.54 | 5.34E+06 |
| 1901.697 | 100145 | (o) | 7 | 152730 | (e) | 6 | -0.08 | 1.53E+09 |
| 1902.139 | 120776 | (o) | 4 | 173348 | (e) | 5 | -3.14 | 1.35E+06 |
| 1902.388 | 106685 | (o) | 4 | 159250 | (e) | 4 | -2.39 | 7.59E+06 |
| 1902.904 | 109128 | (o) | 6 | 161679 | (e) | 7 | -1.91 | 2.26E+07 |
| 1904.969 | 116283 | (o) | 4 | 168778 | (e) | 4 | -3.05 | 1.65E+06 |
| 1905.493 | 106771 | (o) | 3 | 159250 | (e) | 4 | -3.98 | 1.91E+05 |
| 1905.759 | 120876 | (o) | 5 | 173348 | (e) | 5 | -3.15 | 1.32E+06 |
| 1905.794 | 102020 | (o) | 6 | 154492 | (e) | 6 | -2.54 | 5.30E+06 |
| 1906.718 | 102020 | (o) | 6 | 154466 | (e) | 7 | -2.30 | 9.20E+06 |

|          |        |     |   |        |     |   |       |          |
|----------|--------|-----|---|--------|-----|---|-------|----------|
| 1907.878 | 114169 | (o) | 5 | 166583 | (e) | 5 | -2.30 | 9.07E+06 |
| 1908.103 | 92583  | (o) | 6 | 144991 | (e) | 7 | -2.36 | 7.96E+06 |
| 1908.248 | 116374 | (o) | 4 | 168778 | (e) | 4 | -2.53 | 5.45E+06 |
| 1908.650 | 102099 | (o) | 5 | 154492 | (e) | 6 | -3.05 | 1.65E+06 |
| 1909.290 | 120776 | (o) | 4 | 173152 | (e) | 4 | -2.52 | 5.46E+06 |
| 1909.451 | 115778 | (o) | 5 | 168149 | (e) | 4 | -2.12 | 1.39E+07 |
| 1910.516 | 115808 | (o) | 3 | 168149 | (e) | 4 | -2.99 | 1.90E+06 |
| 1911.032 | 107073 | (o) | 4 | 159401 | (e) | 5 | -3.88 | 2.38E+05 |
| 1911.303 | 109463 | (o) | 5 | 161784 | (e) | 6 | -3.19 | 1.20E+06 |
| 1912.505 | 115778 | (o) | 5 | 168066 | (e) | 5 | -2.34 | 8.38E+06 |
| 1912.638 | 113441 | (o) | 5 | 165725 | (e) | 6 | -2.17 | 1.24E+07 |
| 1912.938 | 120876 | (o) | 5 | 173152 | (e) | 4 | -2.85 | 2.56E+06 |
| 1912.997 | 109128 | (o) | 6 | 161402 | (e) | 5 | -2.36 | 7.95E+06 |
| 1913.151 | 113441 | (o) | 5 | 165711 | (e) | 5 | -2.01 | 1.78E+07 |
| 1913.193 | 113442 | (o) | 4 | 165711 | (e) | 5 | -2.20 | 1.16E+07 |
| 1914.290 | 119058 | (o) | 5 | 171297 | (e) | 4 | -2.27 | 9.85E+06 |
| 1915.959 | 119103 | (o) | 4 | 171297 | (e) | 4 | -2.62 | 4.41E+06 |
| 1916.668 | 115778 | (o) | 5 | 167952 | (e) | 6 | -1.45 | 6.44E+07 |
| 1917.649 | 119149 | (o) | 3 | 171297 | (e) | 4 | -3.28 | 9.56E+05 |
| 1919.142 | 107294 | (o) | 6 | 159401 | (e) | 5 | -3.37 | 7.66E+05 |
| 1920.295 | 113176 | (o) | 3 | 165251 | (e) | 4 | -2.67 | 3.92E+06 |
| 1921.622 | 116738 | (o) | 4 | 168778 | (e) | 4 | -2.83 | 2.69E+06 |
| 1922.295 | 121130 | (o) | 3 | 173152 | (e) | 4 | -2.27 | 9.60E+06 |
| 1922.324 | 92971  | (o) | 7 | 144991 | (e) | 7 | -3.82 | 2.77E+05 |
| 1922.633 | 119058 | (o) | 5 | 171070 | (e) | 6 | -1.57 | 4.81E+07 |
| 1924.690 | 110724 | (o) | 5 | 162680 | (e) | 4 | -3.57 | 4.87E+05 |
| 1925.343 | 109463 | (o) | 5 | 161402 | (e) | 5 | -3.01 | 1.77E+06 |
| 1925.397 | 110724 | (o) | 5 | 162661 | (e) | 5 | -3.35 | 8.04E+05 |
| 1927.096 | 119058 | (o) | 5 | 170949 | (e) | 5 | -2.40 | 7.18E+06 |
| 1927.951 | 105156 | (o) | 5 | 157025 | (e) | 5 | -2.96 | 1.97E+06 |
| 1928.042 | 116283 | (o) | 4 | 168149 | (e) | 4 | -2.57 | 4.82E+06 |
| 1928.788 | 119103 | (o) | 4 | 170949 | (e) | 5 | -2.78 | 2.95E+06 |
| 1929.336 | 116946 | (o) | 5 | 168778 | (e) | 4 | -1.64 | 4.06E+07 |
| 1930.134 | 113441 | (o) | 5 | 165251 | (e) | 4 | -1.86 | 2.51E+07 |
| 1930.177 | 113442 | (o) | 4 | 165251 | (e) | 4 | -0.91 | 2.19E+08 |
| 1930.600 | 107603 | (o) | 6 | 159401 | (e) | 5 | -3.16 | 1.24E+06 |
| 1931.156 | 116283 | (o) | 4 | 168066 | (e) | 5 | -2.80 | 2.83E+06 |
| 1931.401 | 116374 | (o) | 4 | 168149 | (e) | 4 | -1.88 | 2.37E+07 |
| 1932.014 | 113965 | (o) | 5 | 165725 | (e) | 6 | -1.79 | 2.93E+07 |
| 1932.536 | 113965 | (o) | 5 | 165711 | (e) | 5 | -1.23 | 1.06E+08 |
| 1934.525 | 116374 | (o) | 4 | 168066 | (e) | 5 | -2.91 | 2.18E+06 |
| 1934.562 | 110092 | (o) | 6 | 161784 | (e) | 6 | -1.82 | 2.68E+07 |
| 1937.577 | 119686 | (o) | 4 | 171297 | (e) | 4 | -2.14 | 1.28E+07 |
| 1938.473 | 110092 | (o) | 6 | 161679 | (e) | 7 | -2.05 | 1.58E+07 |
| 1939.634 | 114169 | (o) | 5 | 165725 | (e) | 6 | -3.58 | 4.65E+05 |
| 1939.777 | 117225 | (o) | 4 | 168778 | (e) | 4 | -1.77 | 2.97E+07 |
| 1940.161 | 114169 | (o) | 5 | 165711 | (e) | 5 | -2.03 | 1.65E+07 |
| 1943.881 | 111237 | (o) | 5 | 162680 | (e) | 4 | -1.18 | 1.18E+08 |

|          |        |     |   |        |     |   |       |          |
|----------|--------|-----|---|--------|-----|---|-------|----------|
| 1944.206 | 109967 | (o) | 4 | 161402 | (e) | 5 | -2.41 | 6.72E+06 |
| 1944.602 | 111237 | (o) | 5 | 162661 | (e) | 5 | -1.88 | 2.31E+07 |
| 1947.724 | 105879 | (o) | 6 | 157221 | (e) | 6 | -2.57 | 4.79E+06 |
| 1948.271 | 116738 | (o) | 4 | 168066 | (e) | 5 | -3.04 | 1.61E+06 |
| 1948.948 | 110092 | (o) | 6 | 161402 | (e) | 5 | -1.64 | 4.00E+07 |
| 1949.355 | 122049 | (o) | 4 | 173348 | (e) | 5 | -2.34 | 8.04E+06 |
| 1949.867 | 113965 | (o) | 5 | 165251 | (e) | 4 | -1.40 | 6.95E+07 |
| 1950.094 | 111381 | (o) | 6 | 162661 | (e) | 5 | -1.65 | 3.91E+07 |
| 1950.539 | 116882 | (o) | 5 | 168149 | (e) | 4 | -2.53 | 5.21E+06 |
| 1950.698 | 119686 | (o) | 4 | 170949 | (e) | 5 | -2.62 | 4.23E+06 |
| 1951.473 | 115778 | (o) | 5 | 167022 | (e) | 6 | -3.23 | 1.04E+06 |
| 1953.007 | 116946 | (o) | 5 | 168149 | (e) | 4 | -1.58 | 4.59E+07 |
| 1953.291 | 108205 | (o) | 4 | 159401 | (e) | 5 | -3.48 | 5.84E+05 |
| 1953.726 | 116882 | (o) | 5 | 168066 | (e) | 5 | -2.48 | 5.76E+06 |
| 1955.220 | 105879 | (o) | 6 | 157025 | (e) | 5 | -3.15 | 1.25E+06 |
| 1955.899 | 108273 | (o) | 5 | 159401 | (e) | 5 | -2.97 | 1.86E+06 |
| 1956.202 | 116946 | (o) | 5 | 168066 | (e) | 5 | -0.89 | 2.27E+08 |
| 1956.204 | 106102 | (o) | 6 | 157221 | (e) | 6 | -2.08 | 1.46E+07 |
| 1956.431 | 122038 | (o) | 5 | 173152 | (e) | 4 | -3.10 | 1.37E+06 |
| 1956.866 | 122049 | (o) | 4 | 173152 | (e) | 4 | -2.52 | 5.25E+06 |
| 1957.629 | 114169 | (o) | 5 | 165251 | (e) | 4 | -2.58 | 4.55E+06 |
| 1958.070 | 116882 | (o) | 5 | 167952 | (e) | 6 | -2.92 | 2.12E+06 |
| 1958.373 | 111598 | (o) | 6 | 162661 | (e) | 5 | -2.04 | 1.58E+07 |
| 1958.480 | 110724 | (o) | 5 | 161784 | (e) | 6 | -2.14 | 1.27E+07 |
| 1959.045 | 108205 | (o) | 4 | 159250 | (e) | 4 | -2.99 | 1.79E+06 |
| 1960.459 | 102020 | (o) | 6 | 153029 | (e) | 7 | -1.80 | 2.76E+07 |
| 1960.557 | 116946 | (o) | 5 | 167952 | (e) | 6 | -1.23 | 1.03E+08 |
| 1961.667 | 108273 | (o) | 5 | 159250 | (e) | 4 | -2.61 | 4.24E+06 |
| 1963.706 | 117225 | (o) | 4 | 168149 | (e) | 4 | -1.43 | 6.43E+07 |
| 1963.730 | 122425 | (o) | 4 | 173348 | (e) | 5 | -3.69 | 3.52E+05 |
| 1963.766 | 106102 | (o) | 6 | 157025 | (e) | 5 | -2.66 | 3.82E+06 |
| 1965.738 | 94120  | (o) | 6 | 144991 | (e) | 7 | -2.82 | 2.63E+06 |
| 1966.704 | 120223 | (o) | 7 | 171070 | (e) | 6 | -3.45 | 6.14E+05 |
| 1966.936 | 117225 | (o) | 4 | 168066 | (e) | 5 | -0.96 | 1.89E+08 |
| 1967.388 | 120468 | (o) | 4 | 171297 | (e) | 4 | -2.89 | 2.22E+06 |
| 1968.320 | 115778 | (o) | 5 | 166583 | (e) | 5 | -2.94 | 1.97E+06 |
| 1968.349 | 101926 | (o) | 5 | 152730 | (e) | 6 | -3.66 | 3.76E+05 |
| 1968.557 | 111881 | (o) | 5 | 162680 | (e) | 4 | -3.58 | 4.53E+05 |
| 1969.297 | 111881 | (o) | 5 | 162661 | (e) | 5 | -2.85 | 2.42E+06 |
| 1971.352 | 122425 | (o) | 4 | 173152 | (e) | 4 | -1.90 | 2.16E+07 |
| 1972.680 | 103799 | (o) | 6 | 154492 | (e) | 6 | -1.78 | 2.85E+07 |
| 1973.225 | 110724 | (o) | 5 | 161402 | (e) | 5 | -3.51 | 5.27E+05 |
| 1973.670 | 103799 | (o) | 6 | 154466 | (e) | 7 | -1.95 | 1.93E+07 |
| 1975.072 | 102099 | (o) | 5 | 152730 | (e) | 6 | -3.29 | 8.88E+05 |
| 1978.355 | 111237 | (o) | 5 | 161784 | (e) | 6 | -1.12 | 1.31E+08 |
| 1979.399 | 120776 | (o) | 4 | 171297 | (e) | 4 | -2.48 | 5.59E+06 |
| 1980.604 | 118288 | (o) | 5 | 168778 | (e) | 4 | -2.42 | 6.53E+06 |
| 1980.917 | 120468 | (o) | 4 | 170949 | (e) | 5 | -2.97 | 1.85E+06 |

|          |        |     |   |        |     |   |       |          |
|----------|--------|-----|---|--------|-----|---|-------|----------|
| 1981.699 | 112218 | (o) | 3 | 162680 | (e) | 4 | -3.68 | 3.54E+05 |
| 1983.319 | 120876 | (o) | 5 | 171297 | (e) | 4 | -3.40 | 6.73E+05 |
| 1984.039 | 111381 | (o) | 6 | 161784 | (e) | 6 | -1.26 | 9.17E+07 |
| 1986.285 | 117607 | (o) | 6 | 167952 | (e) | 6 | -3.32 | 8.15E+05 |
| 1986.504 | 106685 | (o) | 4 | 157025 | (e) | 5 | -2.64 | 3.89E+06 |
| 1986.966 | 120621 | (o) | 6 | 170949 | (e) | 5 | -2.42 | 6.50E+06 |
| 1987.047 | 106895 | (o) | 7 | 157221 | (e) | 6 | -1.39 | 6.87E+07 |
| 1988.081 | 116283 | (o) | 4 | 166583 | (e) | 5 | -3.26 | 9.44E+05 |
| 1988.153 | 111381 | (o) | 6 | 161679 | (e) | 7 | -1.80 | 2.68E+07 |
| 1988.713 | 118494 | (o) | 3 | 168778 | (e) | 4 | -2.90 | 2.14E+06 |
| 1989.155 | 109128 | (o) | 6 | 159401 | (e) | 5 | -2.68 | 3.53E+06 |
| 1989.210 | 112409 | (o) | 4 | 162680 | (e) | 4 | -2.38 | 6.96E+06 |
| 1989.509 | 114987 | (o) | 3 | 165251 | (e) | 4 | -3.03 | 1.59E+06 |
| 1989.965 | 112409 | (o) | 4 | 162661 | (e) | 5 | -1.74 | 3.04E+07 |
| 1991.652 | 116374 | (o) | 4 | 166583 | (e) | 5 | -2.89 | 2.18E+06 |
| 1992.277 | 120876 | (o) | 5 | 171070 | (e) | 6 | -3.85 | 2.40E+05 |
| 1992.610 | 111598 | (o) | 6 | 161784 | (e) | 6 | -1.53 | 4.91E+07 |
| 1993.094 | 120776 | (o) | 4 | 170949 | (e) | 5 | -3.46 | 5.80E+05 |
| 1993.380 | 121130 | (o) | 3 | 171297 | (e) | 4 | -2.49 | 5.41E+06 |
| 1993.402 | 111237 | (o) | 5 | 161402 | (e) | 5 | -0.82 | 2.53E+08 |
| 1994.410 | 116882 | (o) | 5 | 167022 | (e) | 6 | -2.21 | 1.03E+07 |
| 1996.218 | 123254 | (o) | 6 | 173348 | (e) | 5 | -2.84 | 2.43E+06 |
| 1996.759 | 111598 | (o) | 6 | 161679 | (e) | 7 | -3.99 | 1.73E+05 |
| 1996.990 | 116946 | (o) | 5 | 167022 | (e) | 6 | -2.71 | 3.27E+06 |
| 1997.069 | 120876 | (o) | 5 | 170949 | (e) | 5 | -2.13 | 1.25E+07 |
| 1997.409 | 123087 | (o) | 5 | 173152 | (e) | 4 | -2.57 | 4.49E+06 |
| 1999.173 | 111381 | (o) | 6 | 161402 | (e) | 5 | -1.15 | 1.18E+08 |
| 2001.292 | 107073 | (o) | 4 | 157025 | (e) | 5 | -3.87 | 2.24E+05 |
| 2001.490 | 115778 | (o) | 5 | 165725 | (e) | 6 | -3.20 | 1.06E+06 |
| 2001.859 | 109463 | (o) | 5 | 159401 | (e) | 5 | -2.70 | 3.38E+06 |
| 2002.051 | 115778 | (o) | 5 | 165711 | (e) | 5 | -1.74 | 3.00E+07 |
| 2002.265 | 107294 | (o) | 6 | 157221 | (e) | 6 | -2.88 | 2.20E+06 |
| 2002.286 | 95638  | (o) | 7 | 145564 | (e) | 8 | -2.64 | 3.87E+06 |
| 2003.271 | 111881 | (o) | 5 | 161784 | (e) | 6 | -3.62 | 3.99E+05 |
| 2004.908 | 118288 | (o) | 5 | 168149 | (e) | 4 | -2.71 | 3.26E+06 |
| 2005.576 | 116738 | (o) | 4 | 166583 | (e) | 5 | -2.84 | 2.41E+06 |
| 2007.226 | 111598 | (o) | 6 | 161402 | (e) | 5 | -1.79 | 2.70E+07 |
| 2007.905 | 109463 | (o) | 5 | 159250 | (e) | 4 | -3.27 | 9.02E+05 |
| 2008.277 | 118288 | (o) | 5 | 168066 | (e) | 5 | -2.30 | 8.45E+06 |
| 2010.192 | 107294 | (o) | 6 | 157025 | (e) | 5 | -1.49 | 5.36E+07 |
| 2010.620 | 119058 | (o) | 5 | 168778 | (e) | 4 | -3.40 | 6.50E+05 |
| 2011.359 | 116882 | (o) | 5 | 166583 | (e) | 5 | -2.50 | 5.22E+06 |
| 2012.463 | 119103 | (o) | 4 | 168778 | (e) | 4 | -2.53 | 4.84E+06 |
| 2012.870 | 118288 | (o) | 5 | 167952 | (e) | 6 | -1.92 | 1.99E+07 |
| 2013.222 | 118494 | (o) | 3 | 168149 | (e) | 4 | -2.54 | 4.75E+06 |
| 2013.985 | 116946 | (o) | 5 | 166583 | (e) | 5 | -2.00 | 1.63E+07 |
| 2014.328 | 119149 | (o) | 3 | 168778 | (e) | 4 | -2.73 | 3.07E+06 |
| 2014.746 | 107603 | (o) | 6 | 157221 | (e) | 6 | -1.08 | 1.37E+08 |

|          |        |     |   |        |     |   |       |          |
|----------|--------|-----|---|--------|-----|---|-------|----------|
| 2017.236 | 109694 | (o) | 3 | 159250 | (e) | 4 | -3.02 | 1.56E+06 |
| 2018.709 | 111881 | (o) | 5 | 161402 | (e) | 5 | -2.59 | 4.19E+06 |
| 2019.830 | 112291 | (o) | 7 | 161784 | (e) | 6 | -2.61 | 4.02E+06 |
| 2019.932 | 117531 | (o) | 7 | 167022 | (e) | 6 | -2.78 | 2.72E+06 |
| 2020.666 | 115778 | (o) | 5 | 165251 | (e) | 4 | -2.49 | 5.27E+06 |
| 2021.859 | 115808 | (o) | 3 | 165251 | (e) | 4 | -2.99 | 1.67E+06 |
| 2022.268 | 109967 | (o) | 4 | 159401 | (e) | 5 | -2.35 | 7.13E+06 |
| 2022.508 | 116283 | (o) | 4 | 165711 | (e) | 5 | -2.43 | 6.07E+06 |
| 2022.771 | 107603 | (o) | 6 | 157025 | (e) | 5 | -0.73 | 3.02E+08 |
| 2023.038 | 117607 | (o) | 6 | 167022 | (e) | 6 | -3.21 | 1.02E+06 |
| 2024.095 | 112291 | (o) | 7 | 161679 | (e) | 7 | -2.64 | 3.72E+06 |
| 2025.370 | 117225 | (o) | 4 | 166583 | (e) | 5 | -0.79 | 2.64E+08 |
| 2025.530 | 95638  | (o) | 7 | 144991 | (e) | 7 | -2.71 | 3.22E+06 |
| 2026.206 | 116374 | (o) | 4 | 165711 | (e) | 5 | -3.19 | 1.05E+06 |
| 2026.279 | 105156 | (o) | 5 | 154492 | (e) | 6 | -1.76 | 2.82E+07 |
| 2026.279 | 107886 | (o) | 7 | 157221 | (e) | 6 | -1.81 | 2.55E+07 |
| 2027.402 | 110092 | (o) | 6 | 159401 | (e) | 5 | -3.65 | 3.63E+05 |
| 2028.438 | 109967 | (o) | 4 | 159250 | (e) | 4 | -3.43 | 5.98E+05 |
| 2028.982 | 123882 | (o) | 4 | 173152 | (e) | 4 | -2.67 | 3.48E+06 |
| 2029.458 | 122038 | (o) | 5 | 171297 | (e) | 4 | -3.60 | 4.09E+05 |
| 2029.926 | 122049 | (o) | 4 | 171297 | (e) | 4 | -1.84 | 2.36E+07 |
| 2030.307 | 113442 | (o) | 4 | 162680 | (e) | 4 | -1.59 | 4.13E+07 |
| 2030.655 | 103799 | (o) | 6 | 153029 | (e) | 7 | -3.39 | 6.64E+05 |
| 2030.762 | 113453 | (o) | 3 | 162680 | (e) | 4 | -3.53 | 4.87E+05 |
| 2031.046 | 113441 | (o) | 5 | 162661 | (e) | 5 | -1.55 | 4.54E+07 |
| 2031.094 | 113442 | (o) | 4 | 162661 | (e) | 5 | -1.15 | 1.15E+08 |
| 2036.353 | 119058 | (o) | 5 | 168149 | (e) | 4 | -3.27 | 8.68E+05 |
| 2038.842 | 122038 | (o) | 5 | 171070 | (e) | 6 | -1.44 | 5.80E+07 |
| 2039.828 | 119058 | (o) | 5 | 168066 | (e) | 5 | -3.85 | 2.24E+05 |
| 2040.156 | 119149 | (o) | 3 | 168149 | (e) | 4 | -3.77 | 2.73E+05 |
| 2040.443 | 112409 | (o) | 4 | 161402 | (e) | 5 | -2.86 | 2.20E+06 |
| 2041.061 | 124370 | (o) | 6 | 173348 | (e) | 5 | -2.83 | 2.37E+06 |
| 2041.298 | 116738 | (o) | 4 | 165711 | (e) | 5 | -2.17 | 1.07E+07 |
| 2041.507 | 116283 | (o) | 4 | 165251 | (e) | 4 | -3.03 | 1.50E+06 |
| 2041.725 | 119103 | (o) | 4 | 168066 | (e) | 5 | -2.86 | 2.19E+06 |
| 2042.327 | 108273 | (o) | 5 | 157221 | (e) | 6 | -3.46 | 5.57E+05 |
| 2043.060 | 103799 | (o) | 6 | 152730 | (e) | 6 | -3.97 | 1.71E+05 |
| 2043.864 | 122038 | (o) | 5 | 170949 | (e) | 5 | -2.55 | 4.52E+06 |
| 2044.566 | 119058 | (o) | 5 | 167952 | (e) | 6 | -2.51 | 4.97E+06 |
| 2045.275 | 116374 | (o) | 4 | 165251 | (e) | 4 | -2.55 | 4.49E+06 |
| 2045.526 | 122425 | (o) | 4 | 171297 | (e) | 4 | -2.03 | 1.50E+07 |
| 2046.354 | 119101 | (o) | 7 | 167952 | (e) | 6 | -3.25 | 9.04E+05 |
| 2046.702 | 116882 | (o) | 5 | 165725 | (e) | 6 | -2.96 | 1.73E+06 |
| 2047.289 | 116882 | (o) | 5 | 165711 | (e) | 5 | -2.80 | 2.54E+06 |
| 2047.568 | 112291 | (o) | 7 | 161113 | (e) | 8 | -1.93 | 1.89E+07 |
| 2047.707 | 108205 | (o) | 4 | 157025 | (e) | 5 | -2.14 | 1.16E+07 |
| 2049.421 | 116946 | (o) | 5 | 165725 | (e) | 6 | -2.28 | 8.30E+06 |
| 2050.010 | 116946 | (o) | 5 | 165711 | (e) | 5 | -1.47 | 5.34E+07 |

|          |        |     |   |        |     |   |       |          |
|----------|--------|-----|---|--------|-----|---|-------|----------|
| 2050.574 | 108273 | (o) | 5 | 157025 | (e) | 5 | -3.71 | 3.11E+05 |
| 2051.310 | 118288 | (o) | 5 | 167022 | (e) | 6 | -2.88 | 2.11E+06 |
| 2052.114 | 113965 | (o) | 5 | 162680 | (e) | 4 | -1.25 | 8.83E+07 |
| 2052.220 | 124636 | (o) | 5 | 173348 | (e) | 5 | -3.34 | 7.15E+05 |
| 2052.919 | 113965 | (o) | 5 | 162661 | (e) | 5 | -0.80 | 2.51E+08 |
| 2053.698 | 110724 | (o) | 5 | 159401 | (e) | 5 | -2.75 | 2.84E+06 |
| 2055.394 | 120141 | (o) | 3 | 168778 | (e) | 4 | -2.99 | 1.60E+06 |
| 2056.436 | 105879 | (o) | 6 | 154492 | (e) | 6 | -1.83 | 2.35E+07 |
| 2057.514 | 105879 | (o) | 6 | 154466 | (e) | 7 | -1.77 | 2.69E+07 |
| 2060.062 | 110724 | (o) | 5 | 159250 | (e) | 4 | -3.83 | 2.33E+05 |
| 2060.162 | 122425 | (o) | 4 | 170949 | (e) | 5 | -2.62 | 3.74E+06 |
| 2060.550 | 124636 | (o) | 5 | 173152 | (e) | 4 | -3.52 | 4.69E+05 |
| 2060.653 | 116738 | (o) | 4 | 165251 | (e) | 4 | -3.03 | 1.47E+06 |
| 2060.718 | 114169 | (o) | 5 | 162680 | (e) | 4 | -2.55 | 4.45E+06 |
| 2061.528 | 114169 | (o) | 5 | 162661 | (e) | 5 | -2.27 | 8.45E+06 |
| 2061.806 | 117225 | (o) | 4 | 165711 | (e) | 5 | -1.26 | 8.59E+07 |
| 2062.737 | 119686 | (o) | 4 | 168149 | (e) | 4 | -2.40 | 6.28E+06 |
| 2065.896 | 106102 | (o) | 6 | 154492 | (e) | 6 | -2.37 | 6.62E+06 |
| 2066.303 | 119686 | (o) | 4 | 168066 | (e) | 5 | -3.84 | 2.27E+05 |
| 2066.759 | 116882 | (o) | 5 | 165251 | (e) | 4 | -2.89 | 2.02E+06 |
| 2066.983 | 106102 | (o) | 6 | 154466 | (e) | 7 | -2.25 | 8.86E+06 |
| 2069.306 | 120468 | (o) | 4 | 168778 | (e) | 4 | -2.48 | 5.15E+06 |
| 2069.531 | 116946 | (o) | 5 | 165251 | (e) | 4 | -1.57 | 4.23E+07 |
| 2069.941 | 118288 | (o) | 5 | 166583 | (e) | 5 | -3.13 | 1.17E+06 |
| 2073.607 | 123087 | (o) | 5 | 171297 | (e) | 4 | -2.81 | 2.39E+06 |
| 2074.289 | 117531 | (o) | 7 | 165725 | (e) | 6 | -3.36 | 6.75E+05 |
| 2075.573 | 111237 | (o) | 5 | 159401 | (e) | 5 | -1.45 | 5.45E+07 |
| 2077.564 | 117607 | (o) | 6 | 165725 | (e) | 6 | -2.42 | 5.99E+06 |
| 2078.169 | 117607 | (o) | 6 | 165711 | (e) | 5 | -2.40 | 6.26E+06 |
| 2078.631 | 109128 | (o) | 6 | 157221 | (e) | 6 | -2.45 | 5.47E+06 |
| 2081.554 | 117225 | (o) | 4 | 165251 | (e) | 4 | -1.62 | 3.71E+07 |
| 2081.833 | 111381 | (o) | 6 | 159401 | (e) | 5 | -2.15 | 1.07E+07 |
| 2082.073 | 111237 | (o) | 5 | 159250 | (e) | 4 | -0.83 | 2.30E+08 |
| 2082.267 | 96982  | (o) | 6 | 144991 | (e) | 7 | -2.01 | 1.52E+07 |
| 2082.293 | 120141 | (o) | 3 | 168149 | (e) | 4 | -2.87 | 2.10E+06 |
| 2082.604 | 120776 | (o) | 4 | 168778 | (e) | 4 | -2.66 | 3.34E+06 |
| 2083.405 | 123087 | (o) | 5 | 171070 | (e) | 6 | -3.65 | 3.41E+05 |
| 2084.238 | 119058 | (o) | 5 | 167022 | (e) | 6 | -2.56 | 4.26E+06 |
| 2084.365 | 113441 | (o) | 5 | 161402 | (e) | 5 | -3.10 | 1.23E+06 |
| 2084.416 | 113442 | (o) | 4 | 161402 | (e) | 5 | -3.06 | 1.33E+06 |
| 2086.096 | 119101 | (o) | 7 | 167022 | (e) | 6 | -3.87 | 2.07E+05 |
| 2087.175 | 109128 | (o) | 6 | 157025 | (e) | 5 | -2.62 | 3.70E+06 |
| 2087.487 | 125262 | (o) | 3 | 173152 | (e) | 4 | -3.14 | 1.10E+06 |
| 2087.873 | 117531 | (o) | 7 | 165411 | (e) | 7 | -3.12 | 1.16E+06 |
| 2088.649 | 123087 | (o) | 5 | 170949 | (e) | 5 | -2.37 | 6.51E+06 |
| 2090.590 | 113965 | (o) | 5 | 161784 | (e) | 6 | -2.57 | 4.11E+06 |
| 2090.684 | 123254 | (o) | 6 | 171070 | (e) | 6 | -3.21 | 9.42E+05 |
| 2091.191 | 117607 | (o) | 6 | 165411 | (e) | 7 | -1.91 | 1.89E+07 |

|          |        |     |   |        |     |   |       |          |
|----------|--------|-----|---|--------|-----|---|-------|----------|
| 2091.276 | 111598 | (o) | 6 | 159401 | (e) | 5 | -3.46 | 5.25E+05 |
| 2093.223 | 109463 | (o) | 5 | 157221 | (e) | 6 | -2.75 | 2.70E+06 |
| 2094.499 | 120223 | (o) | 7 | 167952 | (e) | 6 | -3.79 | 2.50E+05 |
| 2095.964 | 123254 | (o) | 6 | 170949 | (e) | 5 | -3.06 | 1.33E+06 |
| 2096.089 | 114987 | (o) | 3 | 162680 | (e) | 4 | -3.09 | 1.23E+06 |
| 2096.572 | 120468 | (o) | 4 | 168149 | (e) | 4 | -2.74 | 2.76E+06 |
| 2098.093 | 121130 | (o) | 3 | 168778 | (e) | 4 | -2.31 | 7.32E+06 |
| 2099.519 | 114169 | (o) | 5 | 161784 | (e) | 6 | -2.85 | 2.12E+06 |
| 2100.257 | 120468 | (o) | 4 | 168066 | (e) | 5 | -2.50 | 4.76E+06 |
| 2100.341 | 106895 | (o) | 7 | 154492 | (e) | 6 | -0.49 | 4.85E+08 |
| 2101.336 | 105156 | (o) | 5 | 152730 | (e) | 6 | -2.79 | 2.45E+06 |
| 2101.465 | 106895 | (o) | 7 | 154466 | (e) | 7 | -0.77 | 2.59E+08 |
| 2101.887 | 109463 | (o) | 5 | 157025 | (e) | 5 | -2.96 | 1.69E+06 |
| 2102.853 | 125809 | (o) | 4 | 173348 | (e) | 5 | -1.65 | 3.37E+07 |
| 2103.743 | 111881 | (o) | 5 | 159401 | (e) | 5 | -3.47 | 5.07E+05 |
| 2105.492 | 119103 | (o) | 4 | 166583 | (e) | 5 | -2.17 | 1.01E+07 |
| 2107.061 | 120621 | (o) | 6 | 168066 | (e) | 5 | -1.94 | 1.74E+07 |
| 2107.391 | 118288 | (o) | 5 | 165725 | (e) | 6 | -2.78 | 2.52E+06 |
| 2107.407 | 113965 | (o) | 5 | 161402 | (e) | 5 | -2.31 | 7.37E+06 |
| 2108.014 | 118288 | (o) | 5 | 165711 | (e) | 5 | -3.61 | 3.76E+05 |
| 2108.376 | 123882 | (o) | 4 | 171297 | (e) | 4 | -2.41 | 5.90E+06 |
| 2110.224 | 120776 | (o) | 4 | 168149 | (e) | 4 | -2.78 | 2.49E+06 |
| 2110.421 | 111881 | (o) | 5 | 159250 | (e) | 4 | -2.14 | 1.08E+07 |
| 2111.600 | 125809 | (o) | 4 | 173152 | (e) | 4 | -2.05 | 1.34E+07 |
| 2112.117 | 120621 | (o) | 6 | 167952 | (e) | 6 | -2.40 | 5.89E+06 |
| 2113.956 | 120776 | (o) | 4 | 168066 | (e) | 5 | -3.27 | 7.91E+05 |
| 2116.481 | 114169 | (o) | 5 | 161402 | (e) | 5 | -3.22 | 9.02E+05 |
| 2117.778 | 126144 | (o) | 6 | 173348 | (e) | 5 | -3.47 | 5.00E+05 |
| 2118.085 | 107294 | (o) | 6 | 154492 | (e) | 6 | -1.03 | 1.39E+08 |
| 2118.430 | 120876 | (o) | 5 | 168066 | (e) | 5 | -3.13 | 1.11E+06 |
| 2119.228 | 107294 | (o) | 6 | 154466 | (e) | 7 | -2.88 | 1.98E+06 |
| 2120.259 | 105879 | (o) | 6 | 153029 | (e) | 7 | -3.45 | 5.30E+05 |
| 2121.165 | 110092 | (o) | 6 | 157221 | (e) | 6 | -1.07 | 1.25E+08 |
| 2123.541 | 120876 | (o) | 5 | 167952 | (e) | 6 | -3.20 | 9.33E+05 |
| 2123.928 | 123882 | (o) | 4 | 170949 | (e) | 5 | -3.18 | 9.75E+05 |
| 2124.397 | 109967 | (o) | 4 | 157025 | (e) | 5 | -3.97 | 1.57E+05 |
| 2125.539 | 112218 | (o) | 3 | 159250 | (e) | 4 | -3.68 | 3.07E+05 |
| 2126.128 | 121130 | (o) | 3 | 168149 | (e) | 4 | -3.32 | 7.10E+05 |
| 2127.357 | 112409 | (o) | 4 | 159401 | (e) | 5 | -1.47 | 5.01E+07 |
| 2128.661 | 118288 | (o) | 5 | 165251 | (e) | 4 | -2.23 | 8.87E+06 |
| 2130.063 | 110092 | (o) | 6 | 157025 | (e) | 5 | -1.02 | 1.39E+08 |
| 2130.317 | 106102 | (o) | 6 | 153029 | (e) | 7 | -1.81 | 2.30E+07 |
| 2131.126 | 112492 | (o) | 5 | 159401 | (e) | 5 | -1.31 | 7.28E+07 |
| 2131.444 | 115778 | (o) | 5 | 162680 | (e) | 4 | -1.55 | 4.18E+07 |
| 2131.639 | 119686 | (o) | 4 | 166583 | (e) | 5 | -2.61 | 3.63E+06 |
| 2132.055 | 107603 | (o) | 6 | 154492 | (e) | 6 | -0.78 | 2.44E+08 |
| 2132.311 | 115778 | (o) | 5 | 162661 | (e) | 5 | -1.33 | 6.89E+07 |
| 2132.771 | 115808 | (o) | 3 | 162680 | (e) | 4 | -2.16 | 1.03E+07 |

|          |        |     |   |        |     |   |       |          |
|----------|--------|-----|---|--------|-----|---|-------|----------|
| 2133.213 | 107603 | (o) | 6 | 154466 | (e) | 7 | -0.48 | 4.88E+08 |
| 2133.787 | 105879 | (o) | 6 | 152730 | (e) | 6 | -3.99 | 1.52E+05 |
| 2134.186 | 112409 | (o) | 4 | 159250 | (e) | 4 | -3.14 | 1.07E+06 |
| 2134.895 | 126326 | (o) | 3 | 173152 | (e) | 4 | -3.38 | 6.08E+05 |
| 2137.979 | 112492 | (o) | 5 | 159250 | (e) | 4 | -1.17 | 9.99E+07 |
| 2138.035 | 118494 | (o) | 3 | 165251 | (e) | 4 | -2.99 | 1.49E+06 |
| 2138.843 | 122038 | (o) | 5 | 168778 | (e) | 4 | -2.98 | 1.51E+06 |
| 2139.363 | 122049 | (o) | 4 | 168778 | (e) | 4 | -2.09 | 1.17E+07 |
| 2140.666 | 124370 | (o) | 6 | 171070 | (e) | 6 | -3.61 | 3.54E+05 |
| 2142.159 | 119058 | (o) | 5 | 165725 | (e) | 6 | -3.57 | 3.89E+05 |
| 2142.482 | 124636 | (o) | 5 | 171297 | (e) | 4 | -3.78 | 2.39E+05 |
| 2142.802 | 119058 | (o) | 5 | 165711 | (e) | 5 | -2.56 | 4.03E+06 |
| 2143.973 | 106102 | (o) | 6 | 152730 | (e) | 6 | -2.15 | 1.04E+07 |
| 2144.122 | 119101 | (o) | 7 | 165725 | (e) | 6 | -3.70 | 2.88E+05 |
| 2144.975 | 107886 | (o) | 7 | 154492 | (e) | 6 | -0.58 | 3.85E+08 |
| 2145.641 | 98973  | (o) | 8 | 145564 | (e) | 8 | 0.28  | 2.77E+09 |
| 2146.147 | 107886 | (o) | 7 | 154466 | (e) | 7 | -1.26 | 8.05E+07 |
| 2146.202 | 124370 | (o) | 6 | 170949 | (e) | 5 | -3.49 | 4.67E+05 |
| 2149.967 | 110724 | (o) | 5 | 157221 | (e) | 6 | -1.21 | 8.88E+07 |
| 2152.828 | 126716 | (o) | 3 | 173152 | (e) | 4 | -3.67 | 3.04E+05 |
| 2152.944 | 124636 | (o) | 5 | 171070 | (e) | 6 | -3.20 | 9.10E+05 |
| 2154.480 | 120621 | (o) | 6 | 167022 | (e) | 6 | -1.23 | 8.38E+07 |
| 2155.531 | 116283 | (o) | 4 | 162661 | (e) | 5 | -3.24 | 8.35E+05 |
| 2156.450 | 126991 | (o) | 5 | 173348 | (e) | 5 | -1.30 | 7.17E+07 |
| 2156.696 | 122425 | (o) | 4 | 168778 | (e) | 4 | -0.44 | 5.21E+08 |
| 2158.260 | 127029 | (o) | 4 | 173348 | (e) | 5 | -0.60 | 3.61E+08 |
| 2158.544 | 124636 | (o) | 5 | 170949 | (e) | 5 | -3.54 | 4.14E+05 |
| 2158.842 | 116374 | (o) | 4 | 162680 | (e) | 4 | -1.80 | 2.29E+07 |
| 2159.108 | 110724 | (o) | 5 | 157025 | (e) | 5 | -2.81 | 2.23E+06 |
| 2159.732 | 116374 | (o) | 4 | 162661 | (e) | 5 | -1.84 | 2.09E+07 |
| 2162.965 | 108273 | (o) | 5 | 154492 | (e) | 6 | -2.26 | 7.73E+06 |
| 2164.140 | 119058 | (o) | 5 | 165251 | (e) | 4 | -3.01 | 1.40E+06 |
| 2165.649 | 126991 | (o) | 5 | 173152 | (e) | 4 | -1.27 | 7.61E+07 |
| 2166.368 | 120876 | (o) | 5 | 167022 | (e) | 6 | -2.95 | 1.60E+06 |
| 2166.961 | 106895 | (o) | 7 | 153029 | (e) | 7 | 0.04  | 1.55E+09 |
| 2167.475 | 127029 | (o) | 4 | 173152 | (e) | 4 | -1.06 | 1.23E+08 |
| 2167.792 | 120468 | (o) | 4 | 166583 | (e) | 5 | -2.50 | 4.55E+06 |
| 2167.985 | 122038 | (o) | 5 | 168149 | (e) | 4 | -2.50 | 4.52E+06 |
| 2168.436 | 119149 | (o) | 3 | 165251 | (e) | 4 | -3.22 | 8.62E+05 |
| 2168.519 | 122049 | (o) | 4 | 168149 | (e) | 4 | -2.13 | 1.04E+07 |
| 2169.708 | 113176 | (o) | 3 | 159250 | (e) | 4 | -2.86 | 1.97E+06 |
| 2170.064 | 107886 | (o) | 7 | 153953 | (e) | 8 | -1.62 | 3.39E+07 |
| 2171.619 | 125262 | (o) | 3 | 171297 | (e) | 4 | -3.24 | 8.23E+05 |
| 2171.924 | 122038 | (o) | 5 | 168066 | (e) | 5 | -1.45 | 4.99E+07 |
| 2172.036 | 119686 | (o) | 4 | 165711 | (e) | 5 | -3.62 | 3.37E+05 |
| 2172.354 | 98973  | (o) | 8 | 144991 | (e) | 7 | 0.55  | 5.03E+09 |
| 2172.460 | 122049 | (o) | 4 | 168066 | (e) | 5 | -3.58 | 3.72E+05 |
| 2172.980 | 115778 | (o) | 5 | 161784 | (e) | 6 | -2.29 | 7.32E+06 |

|          |        |     |   |        |     |   |       |          |
|----------|--------|-----|---|--------|-----|---|-------|----------|
| 2173.952 | 111237 | (o) | 5 | 157221 | (e) | 6 | 0.37  | 3.31E+09 |
| 2175.041 | 120621 | (o) | 6 | 166583 | (e) | 5 | -0.92 | 1.70E+08 |
| 2175.143 | 113441 | (o) | 5 | 159401 | (e) | 5 | -0.43 | 5.30E+08 |
| 2175.198 | 113442 | (o) | 4 | 159401 | (e) | 5 | 0.27  | 2.64E+09 |
| 2175.982 | 116738 | (o) | 4 | 162680 | (e) | 4 | -3.36 | 6.16E+05 |
| 2176.886 | 116738 | (o) | 4 | 162661 | (e) | 5 | -2.74 | 2.58E+06 |
| 2177.297 | 122038 | (o) | 5 | 167952 | (e) | 6 | -1.87 | 1.89E+07 |
| 2180.821 | 111381 | (o) | 6 | 157221 | (e) | 6 | -0.18 | 9.23E+08 |
| 2181.093 | 106895 | (o) | 7 | 152730 | (e) | 6 | 0.28  | 2.64E+09 |
| 2182.283 | 113441 | (o) | 5 | 159250 | (e) | 4 | -0.24 | 8.02E+08 |
| 2182.338 | 113442 | (o) | 4 | 159250 | (e) | 4 | -0.15 | 9.98E+08 |
| 2182.390 | 120776 | (o) | 4 | 166583 | (e) | 5 | -3.48 | 4.63E+05 |
| 2182.791 | 116882 | (o) | 5 | 162680 | (e) | 4 | -1.11 | 1.10E+08 |
| 2182.864 | 113453 | (o) | 3 | 159250 | (e) | 4 | -2.69 | 2.89E+06 |
| 2183.299 | 111237 | (o) | 5 | 157025 | (e) | 5 | -0.07 | 1.20E+09 |
| 2183.701 | 116882 | (o) | 5 | 162661 | (e) | 5 | -1.26 | 7.68E+07 |
| 2185.853 | 107294 | (o) | 6 | 153029 | (e) | 7 | -0.64 | 3.22E+08 |
| 2185.884 | 116946 | (o) | 5 | 162680 | (e) | 4 | 0.23  | 2.36E+09 |
| 2186.330 | 122425 | (o) | 4 | 168149 | (e) | 4 | -1.61 | 3.39E+07 |
| 2186.796 | 116946 | (o) | 5 | 162661 | (e) | 5 | 0.07  | 1.65E+09 |
| 2187.158 | 120876 | (o) | 5 | 166583 | (e) | 5 | -2.59 | 3.55E+06 |
| 2187.936 | 123087 | (o) | 5 | 168778 | (e) | 4 | -3.37 | 5.98E+05 |
| 2190.227 | 111381 | (o) | 6 | 157025 | (e) | 5 | 0.07  | 1.63E+09 |
| 2190.337 | 122425 | (o) | 4 | 168066 | (e) | 5 | -2.89 | 1.81E+06 |
| 2191.185 | 111598 | (o) | 6 | 157221 | (e) | 6 | -0.73 | 2.56E+08 |
| 2197.726 | 125809 | (o) | 4 | 171297 | (e) | 4 | -3.27 | 7.53E+05 |
| 2199.300 | 117225 | (o) | 4 | 162680 | (e) | 4 | -0.14 | 1.01E+09 |
| 2200.224 | 117225 | (o) | 4 | 162661 | (e) | 5 | 0.19  | 2.12E+09 |
| 2200.233 | 107294 | (o) | 6 | 152730 | (e) | 6 | -1.16 | 9.64E+07 |
| 2200.247 | 113965 | (o) | 5 | 159401 | (e) | 5 | -0.08 | 1.14E+09 |
| 2200.680 | 111598 | (o) | 6 | 157025 | (e) | 5 | -0.43 | 5.11E+08 |
| 2200.735 | 107603 | (o) | 6 | 153029 | (e) | 7 | 0.36  | 3.17E+09 |
| 2201.025 | 100145 | (o) | 7 | 145564 | (e) | 8 | 0.50  | 4.32E+09 |
| 2201.512 | 127939 | (o) | 6 | 173348 | (e) | 5 | -3.62 | 3.29E+05 |
| 2202.005 | 127950 | (o) | 4 | 173348 | (e) | 5 | -0.33 | 6.41E+08 |
| 2203.727 | 109128 | (o) | 6 | 154492 | (e) | 6 | -3.26 | 7.56E+05 |
| 2204.875 | 111881 | (o) | 5 | 157221 | (e) | 6 | -2.93 | 1.59E+06 |
| 2204.964 | 109128 | (o) | 6 | 154466 | (e) | 7 | -3.58 | 3.62E+05 |
| 2207.553 | 113965 | (o) | 5 | 159250 | (e) | 4 | 0.07  | 1.61E+09 |
| 2209.584 | 120468 | (o) | 4 | 165711 | (e) | 5 | -3.18 | 9.04E+05 |
| 2210.140 | 114169 | (o) | 5 | 159401 | (e) | 5 | -2.98 | 1.41E+06 |
| 2211.598 | 127950 | (o) | 4 | 173152 | (e) | 4 | -0.67 | 2.94E+08 |
| 2212.281 | 120223 | (o) | 7 | 165411 | (e) | 7 | -3.90 | 1.72E+05 |
| 2214.490 | 111881 | (o) | 5 | 157025 | (e) | 5 | -2.12 | 1.02E+07 |
| 2214.503 | 107886 | (o) | 7 | 153029 | (e) | 7 | -0.48 | 4.55E+08 |
| 2214.630 | 125809 | (o) | 4 | 170949 | (e) | 5 | -3.81 | 2.10E+05 |
| 2215.312 | 107603 | (o) | 6 | 152730 | (e) | 6 | -0.18 | 9.01E+08 |
| 2215.681 | 116283 | (o) | 4 | 161402 | (e) | 5 | -2.93 | 1.59E+06 |

|          |        |     |   |        |     |   |       |          |
|----------|--------|-----|---|--------|-----|---|-------|----------|
| 2216.099 | 120141 | (o) | 3 | 165251 | (e) | 4 | -3.08 | 1.13E+06 |
| 2216.428 | 120621 | (o) | 6 | 165725 | (e) | 6 | -2.33 | 6.40E+06 |
| 2217.512 | 114169 | (o) | 5 | 159250 | (e) | 4 | -1.84 | 1.95E+07 |
| 2218.440 | 123087 | (o) | 5 | 168149 | (e) | 4 | -3.35 | 5.99E+05 |
| 2218.866 | 117607 | (o) | 6 | 162661 | (e) | 5 | -2.81 | 2.13E+06 |
| 2220.120 | 116374 | (o) | 4 | 161402 | (e) | 5 | -2.75 | 2.40E+06 |
| 2220.133 | 109463 | (o) | 5 | 154492 | (e) | 6 | -2.00 | 1.37E+07 |
| 2222.342 | 122038 | (o) | 5 | 167022 | (e) | 6 | -0.48 | 4.48E+08 |
| 2222.565 | 123087 | (o) | 5 | 168066 | (e) | 5 | -2.64 | 3.11E+06 |
| 2222.971 | 126326 | (o) | 3 | 171297 | (e) | 4 | -2.72 | 2.56E+06 |
| 2224.752 | 120776 | (o) | 4 | 165711 | (e) | 5 | -3.48 | 4.41E+05 |
| 2224.949 | 112291 | (o) | 7 | 157221 | (e) | 6 | -2.73 | 2.50E+06 |
| 2225.206 | 126144 | (o) | 6 | 171070 | (e) | 6 | -3.50 | 4.27E+05 |
| 2226.679 | 123882 | (o) | 4 | 168778 | (e) | 4 | -2.09 | 1.08E+07 |
| 2228.191 | 123087 | (o) | 5 | 167952 | (e) | 6 | -2.40 | 5.35E+06 |
| 2229.143 | 100145 | (o) | 7 | 144991 | (e) | 7 | -0.03 | 1.26E+09 |
| 2229.263 | 107886 | (o) | 7 | 152730 | (e) | 6 | -0.25 | 7.62E+08 |
| 2229.590 | 116946 | (o) | 5 | 161784 | (e) | 6 | -2.85 | 1.91E+06 |
| 2229.708 | 120876 | (o) | 5 | 165711 | (e) | 5 | -3.02 | 1.27E+06 |
| 2231.189 | 126144 | (o) | 6 | 170949 | (e) | 5 | -3.62 | 3.19E+05 |
| 2231.944 | 120621 | (o) | 6 | 165411 | (e) | 7 | -2.51 | 4.17E+06 |
| 2234.972 | 112492 | (o) | 5 | 157221 | (e) | 6 | -2.19 | 8.64E+06 |
| 2236.518 | 123254 | (o) | 6 | 167952 | (e) | 6 | -2.91 | 1.64E+06 |
| 2238.251 | 116738 | (o) | 4 | 161402 | (e) | 5 | -1.96 | 1.47E+07 |
| 2240.670 | 112409 | (o) | 4 | 157025 | (e) | 5 | -3.67 | 2.87E+05 |
| 2242.421 | 126716 | (o) | 3 | 171297 | (e) | 4 | -3.36 | 5.72E+05 |
| 2244.225 | 122038 | (o) | 5 | 166583 | (e) | 5 | -1.05 | 1.18E+08 |
| 2244.798 | 122049 | (o) | 4 | 166583 | (e) | 5 | -2.79 | 2.16E+06 |
| 2245.455 | 116882 | (o) | 5 | 161402 | (e) | 5 | -2.94 | 1.53E+06 |
| 2247.761 | 120776 | (o) | 4 | 165251 | (e) | 4 | -2.45 | 4.63E+06 |
| 2248.702 | 108273 | (o) | 5 | 152730 | (e) | 6 | -2.35 | 5.84E+06 |
| 2248.728 | 116946 | (o) | 5 | 161402 | (e) | 5 | -1.38 | 5.56E+07 |
| 2251.592 | 110092 | (o) | 6 | 154492 | (e) | 6 | -2.34 | 6.02E+06 |
| 2251.953 | 118288 | (o) | 5 | 162680 | (e) | 4 | -1.50 | 4.25E+07 |
| 2252.883 | 110092 | (o) | 6 | 154466 | (e) | 7 | -3.12 | 9.83E+05 |
| 2252.921 | 118288 | (o) | 5 | 162661 | (e) | 5 | -1.62 | 3.18E+07 |
| 2258.281 | 123882 | (o) | 4 | 168149 | (e) | 4 | -2.65 | 2.90E+06 |
| 2258.316 | 127029 | (o) | 4 | 171297 | (e) | 4 | -2.46 | 4.56E+06 |
| 2258.523 | 114987 | (o) | 3 | 159250 | (e) | 4 | -2.59 | 3.36E+06 |
| 2262.930 | 117225 | (o) | 4 | 161402 | (e) | 5 | -1.10 | 1.03E+08 |
| 2264.390 | 117531 | (o) | 7 | 161679 | (e) | 7 | -3.36 | 5.74E+05 |
| 2264.753 | 124636 | (o) | 5 | 168778 | (e) | 4 | -3.91 | 1.59E+05 |
| 2265.815 | 121130 | (o) | 3 | 165251 | (e) | 4 | -3.14 | 9.41E+05 |
| 2267.940 | 126991 | (o) | 5 | 171070 | (e) | 6 | -2.49 | 4.18E+06 |
| 2268.292 | 117607 | (o) | 6 | 161679 | (e) | 7 | -2.50 | 4.18E+06 |
| 2275.389 | 123087 | (o) | 5 | 167022 | (e) | 6 | -1.31 | 6.36E+07 |
| 2276.167 | 127029 | (o) | 4 | 170949 | (e) | 5 | -2.28 | 6.72E+06 |
| 2277.180 | 109128 | (o) | 6 | 153029 | (e) | 7 | -2.89 | 1.67E+06 |

|          |        |     |   |        |     |   |       |          |
|----------|--------|-----|---|--------|-----|---|-------|----------|
| 2277.942 | 129266 | (o) | 3 | 173152 | (e) | 4 | -3.12 | 9.66E+05 |
| 2282.654 | 117607 | (o) | 6 | 161402 | (e) | 5 | -2.19 | 8.28E+06 |
| 2283.431 | 113441 | (o) | 5 | 157221 | (e) | 6 | -2.38 | 5.33E+06 |
| 2284.070 | 110724 | (o) | 5 | 154492 | (e) | 6 | -2.76 | 2.24E+06 |
| 2284.074 | 123254 | (o) | 6 | 167022 | (e) | 6 | -2.71 | 2.48E+06 |
| 2287.848 | 124370 | (o) | 6 | 168066 | (e) | 5 | -2.77 | 2.15E+06 |
| 2288.312 | 122038 | (o) | 5 | 165725 | (e) | 6 | -2.35 | 5.70E+06 |
| 2289.046 | 122038 | (o) | 5 | 165711 | (e) | 5 | -3.85 | 1.81E+05 |
| 2289.642 | 122049 | (o) | 4 | 165711 | (e) | 5 | -2.93 | 1.51E+06 |
| 2291.695 | 115778 | (o) | 5 | 159401 | (e) | 5 | -2.52 | 3.89E+06 |
| 2291.698 | 119058 | (o) | 5 | 162680 | (e) | 4 | -2.13 | 9.44E+06 |
| 2292.701 | 119058 | (o) | 5 | 162661 | (e) | 5 | -2.28 | 6.61E+06 |
| 2292.791 | 109128 | (o) | 6 | 152730 | (e) | 6 | -2.82 | 1.91E+06 |
| 2293.745 | 113441 | (o) | 5 | 157025 | (e) | 5 | -2.53 | 3.76E+06 |
| 2293.805 | 117531 | (o) | 7 | 161113 | (e) | 8 | -3.01 | 1.23E+06 |
| 2293.806 | 113442 | (o) | 4 | 157025 | (e) | 5 | -3.31 | 6.19E+05 |
| 2293.810 | 124370 | (o) | 6 | 167952 | (e) | 6 | -3.80 | 2.00E+05 |
| 2293.861 | 129767 | (o) | 4 | 173348 | (e) | 5 | -2.72 | 2.41E+06 |
| 2295.098 | 119103 | (o) | 4 | 162661 | (e) | 5 | -2.06 | 1.10E+07 |
| 2296.516 | 119149 | (o) | 3 | 162680 | (e) | 4 | -3.08 | 1.07E+06 |
| 2297.335 | 125262 | (o) | 3 | 168778 | (e) | 4 | -2.20 | 7.93E+06 |
| 2297.453 | 124636 | (o) | 5 | 168149 | (e) | 4 | -3.41 | 4.86E+05 |
| 2298.335 | 123087 | (o) | 5 | 166583 | (e) | 5 | -2.11 | 9.72E+06 |
| 2298.369 | 118288 | (o) | 5 | 161784 | (e) | 6 | -2.48 | 4.21E+06 |
| 2299.621 | 115778 | (o) | 5 | 159250 | (e) | 4 | -1.91 | 1.56E+07 |
| 2301.167 | 115808 | (o) | 3 | 159250 | (e) | 4 | -3.11 | 9.78E+05 |
| 2301.877 | 124636 | (o) | 5 | 168066 | (e) | 5 | -3.09 | 1.03E+06 |
| 2304.273 | 129767 | (o) | 4 | 173152 | (e) | 4 | -3.04 | 1.15E+06 |
| 2306.256 | 127950 | (o) | 4 | 171297 | (e) | 4 | -2.82 | 1.92E+06 |
| 2307.913 | 124636 | (o) | 5 | 167952 | (e) | 6 | -2.58 | 3.25E+06 |
| 2309.507 | 122425 | (o) | 4 | 165711 | (e) | 5 | -3.17 | 8.39E+05 |
| 2311.113 | 113965 | (o) | 5 | 157221 | (e) | 6 | -1.33 | 5.79E+07 |
| 2311.159 | 111237 | (o) | 5 | 154492 | (e) | 6 | -1.41 | 4.81E+07 |
| 2313.411 | 122038 | (o) | 5 | 165251 | (e) | 4 | -2.69 | 2.56E+06 |
| 2315.871 | 130181 | (o) | 6 | 173348 | (e) | 5 | -2.78 | 2.04E+06 |
| 2318.711 | 118288 | (o) | 5 | 161402 | (e) | 5 | -2.21 | 7.86E+06 |
| 2318.924 | 111381 | (o) | 6 | 154492 | (e) | 6 | -3.34 | 5.57E+05 |
| 2320.293 | 111381 | (o) | 6 | 154466 | (e) | 7 | -2.64 | 2.84E+06 |
| 2321.678 | 113965 | (o) | 5 | 157025 | (e) | 5 | -2.96 | 1.37E+06 |
| 2322.030 | 114169 | (o) | 5 | 157221 | (e) | 6 | -3.28 | 6.47E+05 |
| 2323.397 | 116374 | (o) | 4 | 159401 | (e) | 5 | -2.90 | 1.56E+06 |
| 2324.876 | 127950 | (o) | 4 | 170949 | (e) | 5 | -2.49 | 4.03E+06 |
| 2325.167 | 119686 | (o) | 4 | 162680 | (e) | 4 | -2.67 | 2.62E+06 |
| 2326.200 | 119686 | (o) | 4 | 162661 | (e) | 5 | -2.37 | 5.26E+06 |
| 2326.419 | 102020 | (o) | 6 | 144991 | (e) | 7 | -3.14 | 8.89E+05 |
| 2326.573 | 125809 | (o) | 4 | 168778 | (e) | 4 | -2.76 | 2.12E+06 |
| 2328.326 | 110092 | (o) | 6 | 153029 | (e) | 7 | -1.59 | 3.17E+07 |
| 2330.645 | 111598 | (o) | 6 | 154492 | (e) | 6 | -2.14 | 8.95E+06 |

|          |        |     |   |        |     |   |       |          |
|----------|--------|-----|---|--------|-----|---|-------|----------|
| 2331.545 | 116374 | (o) | 4 | 159250 | (e) | 4 | -3.17 | 8.30E+05 |
| 2332.029 | 111598 | (o) | 6 | 154466 | (e) | 7 | -2.20 | 7.76E+06 |
| 2332.696 | 114169 | (o) | 5 | 157025 | (e) | 5 | -3.80 | 1.92E+05 |
| 2334.312 | 122425 | (o) | 4 | 165251 | (e) | 4 | -3.77 | 2.07E+05 |
| 2339.785 | 119058 | (o) | 5 | 161784 | (e) | 6 | -3.52 | 3.64E+05 |
| 2341.124 | 123882 | (o) | 4 | 166583 | (e) | 5 | -3.65 | 2.73E+05 |
| 2342.127 | 119101 | (o) | 7 | 161784 | (e) | 6 | -3.94 | 1.39E+05 |
| 2343.262 | 116738 | (o) | 4 | 159401 | (e) | 5 | -3.15 | 8.54E+05 |
| 2343.860 | 124370 | (o) | 6 | 167022 | (e) | 6 | -2.52 | 3.66E+06 |
| 2344.595 | 123087 | (o) | 5 | 165725 | (e) | 6 | -2.39 | 4.96E+06 |
| 2344.648 | 110092 | (o) | 6 | 152730 | (e) | 6 | -3.80 | 1.92E+05 |
| 2345.366 | 123087 | (o) | 5 | 165711 | (e) | 5 | -2.89 | 1.57E+06 |
| 2346.139 | 111881 | (o) | 5 | 154492 | (e) | 6 | -3.56 | 3.33E+05 |
| 2347.863 | 119101 | (o) | 7 | 161679 | (e) | 7 | -2.63 | 2.88E+06 |
| 2350.044 | 120141 | (o) | 3 | 162680 | (e) | 4 | -3.41 | 4.65E+05 |
| 2351.159 | 116882 | (o) | 5 | 159401 | (e) | 5 | -2.48 | 3.95E+06 |
| 2351.535 | 130836 | (o) | 5 | 173348 | (e) | 5 | -3.07 | 1.04E+06 |
| 2353.817 | 123254 | (o) | 6 | 165725 | (e) | 6 | -3.37 | 5.12E+05 |
| 2354.593 | 123254 | (o) | 6 | 165711 | (e) | 5 | -3.42 | 4.55E+05 |
| 2354.747 | 116946 | (o) | 5 | 159401 | (e) | 5 | -1.88 | 1.58E+07 |
| 2354.883 | 126326 | (o) | 3 | 168778 | (e) | 4 | -2.70 | 2.37E+06 |
| 2358.586 | 124636 | (o) | 5 | 167022 | (e) | 6 | -2.71 | 2.32E+06 |
| 2360.869 | 119058 | (o) | 5 | 161402 | (e) | 5 | -3.05 | 1.07E+06 |
| 2361.095 | 125809 | (o) | 4 | 168149 | (e) | 4 | -3.57 | 3.25E+05 |
| 2362.478 | 130836 | (o) | 5 | 173152 | (e) | 4 | -2.06 | 1.04E+07 |
| 2363.117 | 116946 | (o) | 5 | 159250 | (e) | 4 | -1.84 | 1.75E+07 |
| 2365.768 | 125809 | (o) | 4 | 168066 | (e) | 5 | -2.80 | 1.88E+06 |
| 2368.214 | 124370 | (o) | 6 | 166583 | (e) | 5 | -2.02 | 1.14E+07 |
| 2368.247 | 120468 | (o) | 4 | 162680 | (e) | 4 | -3.38 | 5.00E+05 |
| 2368.881 | 112291 | (o) | 7 | 154492 | (e) | 6 | -1.90 | 1.49E+07 |
| 2370.310 | 112291 | (o) | 7 | 154466 | (e) | 7 | -3.22 | 7.28E+05 |
| 2370.324 | 117225 | (o) | 4 | 159401 | (e) | 5 | -2.32 | 5.64E+06 |
| 2370.951 | 123087 | (o) | 5 | 165251 | (e) | 4 | -3.91 | 1.46E+05 |
| 2371.323 | 123254 | (o) | 6 | 165411 | (e) | 7 | -2.99 | 1.22E+06 |
| 2376.720 | 126716 | (o) | 3 | 168778 | (e) | 4 | -3.40 | 4.69E+05 |
| 2377.980 | 120621 | (o) | 6 | 162661 | (e) | 5 | -3.72 | 2.24E+05 |
| 2378.491 | 129266 | (o) | 3 | 171297 | (e) | 4 | -3.49 | 3.81E+05 |
| 2378.805 | 117225 | (o) | 4 | 159250 | (e) | 4 | -1.56 | 3.25E+07 |
| 2380.245 | 112492 | (o) | 5 | 154492 | (e) | 6 | -2.42 | 4.56E+06 |
| 2383.249 | 124636 | (o) | 5 | 166583 | (e) | 5 | -2.23 | 6.95E+06 |
| 2385.425 | 126044 | (o) | 7 | 167952 | (e) | 6 | -3.32 | 5.65E+05 |
| 2385.680 | 120776 | (o) | 4 | 162680 | (e) | 4 | -2.65 | 2.61E+06 |
| 2389.940 | 123882 | (o) | 4 | 165711 | (e) | 5 | -3.83 | 1.72E+05 |
| 2390.256 | 126326 | (o) | 3 | 168149 | (e) | 4 | -2.64 | 2.68E+06 |
| 2392.471 | 120876 | (o) | 5 | 162661 | (e) | 5 | -3.13 | 8.71E+05 |
| 2394.583 | 127029 | (o) | 4 | 168778 | (e) | 4 | -2.78 | 1.94E+06 |
| 2399.517 | 112291 | (o) | 7 | 153953 | (e) | 8 | -2.56 | 3.23E+06 |
| 2400.397 | 111381 | (o) | 6 | 153029 | (e) | 7 | -1.60 | 2.89E+07 |

|          |        |     |   |        |     |   |       |          |
|----------|--------|-----|---|--------|-----|---|-------|----------|
| 2405.588 | 131791 | (o) | 4 | 173348 | (e) | 5 | -2.63 | 2.68E+06 |
| 2406.026 | 121130 | (o) | 3 | 162680 | (e) | 4 | -3.28 | 6.01E+05 |
| 2407.212 | 129767 | (o) | 4 | 171297 | (e) | 4 | -2.73 | 2.16E+06 |
| 2411.457 | 120223 | (o) | 7 | 161679 | (e) | 7 | -2.54 | 3.37E+06 |
| 2412.218 | 115778 | (o) | 5 | 157221 | (e) | 6 | -2.20 | 7.21E+06 |
| 2412.959 | 111598 | (o) | 6 | 153029 | (e) | 7 | -1.98 | 1.21E+07 |
| 2417.041 | 131791 | (o) | 4 | 173152 | (e) | 4 | -2.19 | 7.40E+06 |
| 2417.360 | 124370 | (o) | 6 | 165725 | (e) | 6 | -3.99 | 1.16E+05 |
| 2417.749 | 111381 | (o) | 6 | 152730 | (e) | 6 | -1.89 | 1.46E+07 |
| 2426.907 | 103799 | (o) | 6 | 144991 | (e) | 7 | -2.55 | 3.24E+06 |
| 2427.505 | 129767 | (o) | 4 | 170949 | (e) | 5 | -3.01 | 1.10E+06 |
| 2428.670 | 120621 | (o) | 6 | 161784 | (e) | 6 | -3.35 | 5.07E+05 |
| 2428.872 | 126991 | (o) | 5 | 168149 | (e) | 4 | -3.77 | 1.95E+05 |
| 2430.493 | 111598 | (o) | 6 | 152730 | (e) | 6 | -3.21 | 7.02E+05 |
| 2433.027 | 124636 | (o) | 5 | 165725 | (e) | 6 | -3.70 | 2.23E+05 |
| 2433.818 | 126991 | (o) | 5 | 168066 | (e) | 5 | -3.59 | 2.93E+05 |
| 2433.857 | 124636 | (o) | 5 | 165711 | (e) | 5 | -3.43 | 4.16E+05 |
| 2434.839 | 120621 | (o) | 6 | 161679 | (e) | 7 | -3.82 | 1.69E+05 |
| 2435.828 | 124370 | (o) | 6 | 165411 | (e) | 7 | -3.53 | 3.27E+05 |
| 2436.123 | 127029 | (o) | 4 | 168066 | (e) | 5 | -3.49 | 3.64E+05 |
| 2440.522 | 118288 | (o) | 5 | 159250 | (e) | 4 | -2.26 | 6.31E+06 |
| 2440.566 | 126991 | (o) | 5 | 167952 | (e) | 6 | -3.85 | 1.60E+05 |
| 2441.838 | 132211 | (o) | 4 | 173152 | (e) | 4 | -3.69 | 2.28E+05 |
| 2442.190 | 120468 | (o) | 4 | 161402 | (e) | 5 | -2.85 | 1.59E+06 |
| 2443.786 | 120876 | (o) | 5 | 161784 | (e) | 6 | -3.23 | 6.53E+05 |
| 2443.961 | 127873 | (o) | 3 | 168778 | (e) | 4 | -3.72 | 2.13E+05 |
| 2445.588 | 126144 | (o) | 6 | 167022 | (e) | 6 | -3.13 | 8.19E+05 |
| 2448.551 | 127950 | (o) | 4 | 168778 | (e) | 4 | -2.81 | 1.73E+06 |
| 2451.394 | 120621 | (o) | 6 | 161402 | (e) | 5 | -3.54 | 3.21E+05 |
| 2451.803 | 125809 | (o) | 4 | 166583 | (e) | 5 | -3.38 | 4.59E+05 |
| 2452.169 | 130181 | (o) | 6 | 170949 | (e) | 5 | -3.90 | 1.41E+05 |
| 2452.852 | 118494 | (o) | 3 | 159250 | (e) | 4 | -2.99 | 1.15E+06 |
| 2453.774 | 116283 | (o) | 4 | 157025 | (e) | 5 | -3.63 | 2.59E+05 |
| 2453.966 | 112291 | (o) | 7 | 153029 | (e) | 7 | -3.35 | 4.98E+05 |
| 2459.219 | 116374 | (o) | 4 | 157025 | (e) | 5 | -2.91 | 1.35E+06 |
| 2459.764 | 122038 | (o) | 5 | 162680 | (e) | 4 | -2.26 | 6.10E+06 |
| 2460.732 | 120776 | (o) | 4 | 161402 | (e) | 5 | -3.03 | 1.02E+06 |
| 2460.920 | 122038 | (o) | 5 | 162661 | (e) | 5 | -3.00 | 1.09E+06 |
| 2461.608 | 122049 | (o) | 4 | 162661 | (e) | 5 | -2.70 | 2.19E+06 |
| 2466.795 | 113965 | (o) | 5 | 154492 | (e) | 6 | -2.24 | 6.32E+06 |
| 2466.796 | 120876 | (o) | 5 | 161402 | (e) | 5 | -3.01 | 1.08E+06 |
| 2470.805 | 130836 | (o) | 5 | 171297 | (e) | 4 | -2.73 | 2.04E+06 |
| 2472.104 | 112291 | (o) | 7 | 152730 | (e) | 6 | -2.83 | 1.62E+06 |
| 2472.114 | 126144 | (o) | 6 | 166583 | (e) | 5 | -3.46 | 3.75E+05 |
| 2478.190 | 116882 | (o) | 5 | 157221 | (e) | 6 | -2.89 | 1.38E+06 |
| 2479.236 | 114169 | (o) | 5 | 154492 | (e) | 6 | -2.96 | 1.19E+06 |
| 2480.799 | 119103 | (o) | 4 | 159401 | (e) | 5 | -3.36 | 4.78E+05 |
| 2481.484 | 116738 | (o) | 4 | 157025 | (e) | 5 | -3.23 | 6.35E+05 |

|          |        |     |   |        |     |   |       |          |
|----------|--------|-----|---|--------|-----|---|-------|----------|
| 2482.177 | 116946 | (o) | 5 | 157221 | (e) | 6 | -2.42 | 4.10E+06 |
| 2483.406 | 122425 | (o) | 4 | 162680 | (e) | 4 | -3.53 | 3.17E+05 |
| 2484.584 | 122425 | (o) | 4 | 162661 | (e) | 5 | -2.82 | 1.65E+06 |
| 2484.728 | 130836 | (o) | 5 | 171070 | (e) | 6 | -2.90 | 1.38E+06 |
| 2486.817 | 127950 | (o) | 4 | 168149 | (e) | 4 | -3.13 | 7.90E+05 |
| 2487.270 | 119058 | (o) | 5 | 159250 | (e) | 4 | -3.09 | 8.85E+05 |
| 2490.090 | 119103 | (o) | 4 | 159250 | (e) | 4 | -3.91 | 1.33E+05 |
| 2490.342 | 116882 | (o) | 5 | 157025 | (e) | 5 | -3.53 | 3.14E+05 |
| 2491.369 | 127939 | (o) | 6 | 168066 | (e) | 5 | -3.76 | 1.85E+05 |
| 2492.001 | 127950 | (o) | 4 | 168066 | (e) | 5 | -3.55 | 3.06E+05 |
| 2492.189 | 130836 | (o) | 5 | 170949 | (e) | 5 | -2.20 | 6.87E+06 |
| 2494.368 | 116946 | (o) | 5 | 157025 | (e) | 5 | -2.42 | 4.08E+06 |
| 2497.302 | 126991 | (o) | 5 | 167022 | (e) | 6 | -3.73 | 1.98E+05 |
| 2499.953 | 125262 | (o) | 3 | 165251 | (e) | 4 | -2.68 | 2.24E+06 |
| 2505.396 | 125809 | (o) | 4 | 165711 | (e) | 5 | -2.56 | 2.94E+06 |
| 2510.292 | 133524 | (o) | 5 | 173348 | (e) | 5 | -2.64 | 2.46E+06 |
| 2511.854 | 117225 | (o) | 4 | 157025 | (e) | 5 | -2.49 | 3.40E+06 |
| 2513.840 | 128382 | (o) | 3 | 168149 | (e) | 4 | -3.45 | 3.73E+05 |
| 2515.246 | 122038 | (o) | 5 | 161784 | (e) | 6 | -3.41 | 4.07E+05 |
| 2517.177 | 119686 | (o) | 4 | 159401 | (e) | 5 | -3.14 | 7.70E+05 |
| 2518.747 | 117531 | (o) | 7 | 157221 | (e) | 6 | -3.49 | 3.36E+05 |
| 2522.766 | 133524 | (o) | 5 | 173152 | (e) | 4 | -3.40 | 4.23E+05 |
| 2523.576 | 117607 | (o) | 6 | 157221 | (e) | 6 | -3.14 | 7.72E+05 |
| 2524.916 | 123087 | (o) | 5 | 162680 | (e) | 4 | -3.52 | 3.20E+05 |
| 2524.968 | 126991 | (o) | 5 | 166583 | (e) | 5 | -3.51 | 3.26E+05 |
| 2525.715 | 126144 | (o) | 6 | 165725 | (e) | 6 | -2.76 | 1.81E+06 |
| 2526.133 | 123087 | (o) | 5 | 162661 | (e) | 5 | -2.72 | 1.98E+06 |
| 2526.609 | 126144 | (o) | 6 | 165711 | (e) | 5 | -3.40 | 4.15E+05 |
| 2527.450 | 127029 | (o) | 4 | 166583 | (e) | 5 | -2.85 | 1.48E+06 |
| 2530.131 | 129266 | (o) | 3 | 168778 | (e) | 4 | -2.46 | 3.61E+06 |
| 2530.549 | 131791 | (o) | 4 | 171297 | (e) | 4 | -2.89 | 1.34E+06 |
| 2536.179 | 117607 | (o) | 6 | 157025 | (e) | 5 | -2.33 | 4.87E+06 |
| 2536.841 | 123254 | (o) | 6 | 162661 | (e) | 5 | -3.53 | 3.09E+05 |
| 2539.628 | 122038 | (o) | 5 | 161402 | (e) | 5 | -2.71 | 2.03E+06 |
| 2540.361 | 122049 | (o) | 4 | 161402 | (e) | 5 | -2.31 | 5.04E+06 |
| 2544.509 | 113441 | (o) | 5 | 152730 | (e) | 6 | -3.72 | 1.99E+05 |
| 2545.883 | 126144 | (o) | 6 | 165411 | (e) | 7 | -3.45 | 3.68E+05 |
| 2552.985 | 131791 | (o) | 4 | 170949 | (e) | 5 | -3.32 | 4.83E+05 |
| 2555.994 | 105879 | (o) | 6 | 144991 | (e) | 7 | -3.75 | 1.85E+05 |
| 2556.147 | 120141 | (o) | 3 | 159250 | (e) | 4 | -3.15 | 7.28E+05 |
| 2557.742 | 132211 | (o) | 4 | 171297 | (e) | 4 | -2.54 | 2.95E+06 |
| 2557.932 | 127939 | (o) | 6 | 167022 | (e) | 6 | -3.02 | 9.51E+05 |
| 2564.838 | 122425 | (o) | 4 | 161402 | (e) | 5 | -2.59 | 2.63E+06 |
| 2567.718 | 118288 | (o) | 5 | 157221 | (e) | 6 | -3.00 | 1.02E+06 |
| 2568.249 | 126326 | (o) | 3 | 165251 | (e) | 4 | -2.64 | 2.29E+06 |
| 2570.623 | 106102 | (o) | 6 | 144991 | (e) | 7 | -3.39 | 4.14E+05 |
| 2571.011 | 129266 | (o) | 3 | 168149 | (e) | 4 | -3.87 | 1.36E+05 |
| 2575.267 | 134332 | (o) | 3 | 173152 | (e) | 4 | -3.39 | 4.17E+05 |

|          |        |     |   |        |     |   |       |          |
|----------|--------|-----|---|--------|-----|---|-------|----------|
| 2577.919 | 123882 | (o) | 4 | 162661 | (e) | 5 | -3.18 | 6.61E+05 |
| 2580.665 | 132211 | (o) | 4 | 170949 | (e) | 5 | -3.49 | 3.23E+05 |
| 2580.911 | 126991 | (o) | 5 | 165725 | (e) | 6 | -3.56 | 2.79E+05 |
| 2582.319 | 115778 | (o) | 5 | 154492 | (e) | 6 | -2.49 | 3.21E+06 |
| 2584.439 | 127029 | (o) | 4 | 165711 | (e) | 5 | -3.34 | 4.55E+05 |
| 2585.291 | 106895 | (o) | 7 | 145564 | (e) | 8 | -3.09 | 8.12E+05 |
| 2587.647 | 127950 | (o) | 4 | 166583 | (e) | 5 | -3.10 | 7.98E+05 |
| 2592.530 | 114169 | (o) | 5 | 152730 | (e) | 6 | -3.45 | 3.50E+05 |
| 2594.610 | 123254 | (o) | 6 | 161784 | (e) | 6 | -2.56 | 2.75E+06 |
| 2601.652 | 123254 | (o) | 6 | 161679 | (e) | 7 | -3.34 | 4.50E+05 |
| 2604.601 | 129767 | (o) | 4 | 168149 | (e) | 4 | -3.19 | 6.32E+05 |
| 2610.289 | 129767 | (o) | 4 | 168066 | (e) | 5 | -2.83 | 1.45E+06 |
| 2610.804 | 124370 | (o) | 6 | 162661 | (e) | 5 | -3.67 | 2.06E+05 |
| 2615.540 | 127029 | (o) | 4 | 165251 | (e) | 4 | -3.99 | 1.00E+05 |
| 2619.517 | 119058 | (o) | 5 | 157221 | (e) | 6 | -2.87 | 1.30E+06 |
| 2620.563 | 123254 | (o) | 6 | 161402 | (e) | 5 | -2.67 | 2.08E+06 |
| 2622.516 | 121130 | (o) | 3 | 159250 | (e) | 4 | -3.16 | 6.78E+05 |
| 2624.168 | 106895 | (o) | 7 | 144991 | (e) | 7 | -2.70 | 1.93E+06 |
| 2627.689 | 130733 | (o) | 3 | 168778 | (e) | 4 | -3.65 | 2.17E+05 |
| 2627.770 | 124636 | (o) | 5 | 162680 | (e) | 4 | -3.85 | 1.37E+05 |
| 2629.088 | 124636 | (o) | 5 | 162661 | (e) | 5 | -3.36 | 4.17E+05 |
| 2633.099 | 119058 | (o) | 5 | 157025 | (e) | 5 | -3.23 | 5.61E+05 |
| 2636.259 | 119103 | (o) | 4 | 157025 | (e) | 5 | -2.85 | 1.36E+06 |
| 2640.161 | 135286 | (o) | 3 | 173152 | (e) | 4 | -2.92 | 1.16E+06 |
| 2645.721 | 127939 | (o) | 6 | 165725 | (e) | 6 | -3.40 | 3.73E+05 |
| 2646.774 | 135578 | (o) | 5 | 173348 | (e) | 5 | -3.67 | 2.05E+05 |
| 2647.415 | 127950 | (o) | 4 | 165711 | (e) | 5 | -2.99 | 9.71E+05 |
| 2651.922 | 107294 | (o) | 6 | 144991 | (e) | 7 | -3.36 | 4.18E+05 |
| 2653.243 | 107886 | (o) | 7 | 145564 | (e) | 8 | -1.65 | 2.12E+07 |
| 2658.068 | 116882 | (o) | 5 | 154492 | (e) | 6 | -3.07 | 8.10E+05 |
| 2662.655 | 116946 | (o) | 5 | 154492 | (e) | 6 | -3.88 | 1.25E+05 |
| 2664.419 | 123882 | (o) | 4 | 161402 | (e) | 5 | -3.46 | 3.26E+05 |
| 2671.226 | 133524 | (o) | 5 | 170949 | (e) | 5 | -2.92 | 1.12E+06 |
| 2671.808 | 130733 | (o) | 3 | 168149 | (e) | 4 | -2.86 | 1.30E+06 |
| 2675.676 | 122038 | (o) | 5 | 159401 | (e) | 5 | -2.74 | 1.70E+06 |
| 2676.490 | 122049 | (o) | 4 | 159401 | (e) | 5 | -3.25 | 5.20E+05 |
| 2677.376 | 119686 | (o) | 4 | 157025 | (e) | 5 | -3.38 | 3.87E+05 |
| 2679.500 | 124370 | (o) | 6 | 161679 | (e) | 7 | -2.77 | 1.57E+06 |
| 2685.229 | 130836 | (o) | 5 | 168066 | (e) | 5 | -3.29 | 4.73E+05 |
| 2686.487 | 122038 | (o) | 5 | 159250 | (e) | 4 | -3.02 | 8.76E+05 |
| 2694.207 | 107886 | (o) | 7 | 144991 | (e) | 7 | -2.36 | 4.04E+06 |
| 2699.563 | 124370 | (o) | 6 | 161402 | (e) | 5 | -3.18 | 6.01E+05 |
| 2702.041 | 120223 | (o) | 7 | 157221 | (e) | 6 | -3.36 | 4.04E+05 |
| 2702.897 | 131791 | (o) | 4 | 168778 | (e) | 4 | -3.06 | 7.79E+05 |
| 2704.517 | 134332 | (o) | 3 | 171297 | (e) | 4 | -3.66 | 2.04E+05 |
| 2704.781 | 117531 | (o) | 7 | 154492 | (e) | 6 | -2.20 | 5.77E+06 |
| 2705.462 | 115778 | (o) | 5 | 152730 | (e) | 6 | -3.86 | 1.26E+05 |
| 2706.645 | 117531 | (o) | 7 | 154466 | (e) | 7 | -2.04 | 8.24E+06 |

|          |        |     |   |        |     |   |       |          |
|----------|--------|-----|---|--------|-----|---|-------|----------|
| 2710.351 | 117607 | (o) | 6 | 154492 | (e) | 6 | -3.58 | 2.39E+05 |
| 2711.357 | 125809 | (o) | 4 | 162680 | (e) | 4 | -3.51 | 2.78E+05 |
| 2712.222 | 117607 | (o) | 6 | 154466 | (e) | 7 | -3.13 | 6.80E+05 |
| 2712.761 | 125809 | (o) | 4 | 162661 | (e) | 5 | -3.81 | 1.41E+05 |
| 2713.620 | 130181 | (o) | 6 | 167022 | (e) | 6 | -3.37 | 3.84E+05 |
| 2714.712 | 122425 | (o) | 4 | 159250 | (e) | 4 | -3.08 | 7.56E+05 |
| 2715.420 | 129767 | (o) | 4 | 166583 | (e) | 5 | -3.56 | 2.47E+05 |
| 2719.116 | 124636 | (o) | 5 | 161402 | (e) | 5 | -3.25 | 5.03E+05 |
| 2731.430 | 120621 | (o) | 6 | 157221 | (e) | 6 | -3.61 | 2.21E+05 |
| 2733.943 | 132211 | (o) | 4 | 168778 | (e) | 4 | -3.46 | 3.13E+05 |
| 2734.655 | 120468 | (o) | 4 | 157025 | (e) | 5 | -3.42 | 3.39E+05 |
| 2744.793 | 117531 | (o) | 7 | 153953 | (e) | 8 | -2.94 | 1.02E+06 |
| 2746.201 | 120621 | (o) | 6 | 157025 | (e) | 5 | -2.69 | 1.79E+06 |
| 2749.600 | 131791 | (o) | 4 | 168149 | (e) | 4 | -3.72 | 1.68E+05 |
| 2749.882 | 126326 | (o) | 3 | 162680 | (e) | 4 | -2.93 | 1.03E+06 |
| 2750.565 | 120876 | (o) | 5 | 157221 | (e) | 6 | -3.36 | 3.87E+05 |
| 2752.945 | 123087 | (o) | 5 | 159401 | (e) | 5 | -3.53 | 2.60E+05 |
| 2757.924 | 120776 | (o) | 4 | 157025 | (e) | 5 | -3.09 | 7.15E+05 |
| 2761.333 | 118288 | (o) | 5 | 154492 | (e) | 6 | -2.38 | 3.68E+06 |
| 2765.543 | 120876 | (o) | 5 | 157025 | (e) | 5 | -3.95 | 9.82E+04 |
| 2765.667 | 123254 | (o) | 6 | 159401 | (e) | 5 | -3.02 | 8.30E+05 |
| 2776.178 | 135286 | (o) | 3 | 171297 | (e) | 4 | -3.06 | 7.55E+05 |
| 2778.103 | 129266 | (o) | 3 | 165251 | (e) | 4 | -3.81 | 1.32E+05 |
| 2781.311 | 129767 | (o) | 4 | 165711 | (e) | 5 | -3.50 | 2.70E+05 |
| 2781.734 | 132211 | (o) | 4 | 168149 | (e) | 4 | -3.34 | 4.00E+05 |
| 2787.547 | 109128 | (o) | 6 | 144991 | (e) | 7 | -3.27 | 4.64E+05 |
| 2788.223 | 132211 | (o) | 4 | 168066 | (e) | 5 | -3.48 | 2.84E+05 |
| 2788.723 | 116882 | (o) | 5 | 152730 | (e) | 6 | -3.97 | 9.19E+04 |
| 2793.773 | 116946 | (o) | 5 | 152730 | (e) | 6 | -3.88 | 1.13E+05 |
| 2796.612 | 130836 | (o) | 5 | 166583 | (e) | 5 | -3.43 | 3.15E+05 |
| 2801.114 | 126991 | (o) | 5 | 162680 | (e) | 4 | -2.83 | 1.27E+06 |
| 2802.613 | 126991 | (o) | 5 | 162661 | (e) | 5 | -2.77 | 1.44E+06 |
| 2805.044 | 126144 | (o) | 6 | 161784 | (e) | 6 | -2.16 | 5.91E+06 |
| 2805.353 | 126044 | (o) | 7 | 161679 | (e) | 7 | -3.09 | 6.81E+05 |
| 2805.670 | 127029 | (o) | 4 | 162661 | (e) | 5 | -3.27 | 4.56E+05 |
| 2808.715 | 125809 | (o) | 4 | 161402 | (e) | 5 | -2.42 | 3.19E+06 |
| 2812.626 | 130181 | (o) | 6 | 165725 | (e) | 6 | -3.13 | 6.25E+05 |
| 2813.276 | 126144 | (o) | 6 | 161679 | (e) | 7 | -3.34 | 3.82E+05 |
| 2814.559 | 123882 | (o) | 4 | 159401 | (e) | 5 | -3.62 | 2.03E+05 |
| 2816.271 | 117531 | (o) | 7 | 153029 | (e) | 7 | -3.74 | 1.52E+05 |
| 2817.363 | 129767 | (o) | 4 | 165251 | (e) | 4 | -2.88 | 1.12E+06 |
| 2821.329 | 119058 | (o) | 5 | 154492 | (e) | 6 | -3.61 | 2.03E+05 |
| 2822.310 | 117607 | (o) | 6 | 153029 | (e) | 7 | -2.66 | 1.83E+06 |
| 2824.735 | 119101 | (o) | 7 | 154492 | (e) | 6 | -3.52 | 2.52E+05 |
| 2826.767 | 119101 | (o) | 7 | 154466 | (e) | 7 | -2.25 | 4.74E+06 |
| 2835.792 | 133524 | (o) | 5 | 168778 | (e) | 4 | -3.63 | 1.93E+05 |
| 2840.185 | 117531 | (o) | 7 | 152730 | (e) | 6 | -3.57 | 2.25E+05 |
| 2841.424 | 122038 | (o) | 5 | 157221 | (e) | 6 | -2.68 | 1.72E+06 |

|          |        |     |   |        |     |   |       |          |
|----------|--------|-----|---|--------|-----|---|-------|----------|
| 2846.327 | 117607 | (o) | 6 | 152730 | (e) | 6 | -3.48 | 2.77E+05 |
| 2848.131 | 138248 | (o) | 4 | 173348 | (e) | 5 | -2.74 | 1.50E+06 |
| 2852.117 | 138100 | (o) | 3 | 173152 | (e) | 4 | -3.19 | 5.24E+05 |
| 2857.411 | 122038 | (o) | 5 | 157025 | (e) | 5 | -3.07 | 6.95E+05 |
| 2858.339 | 122049 | (o) | 4 | 157025 | (e) | 5 | -3.09 | 6.68E+05 |
| 2864.199 | 138248 | (o) | 4 | 173152 | (e) | 4 | -3.01 | 7.92E+05 |
| 2864.570 | 110092 | (o) | 6 | 144991 | (e) | 7 | -3.45 | 2.89E+05 |
| 2865.402 | 130836 | (o) | 5 | 165725 | (e) | 6 | -3.07 | 7.00E+05 |
| 2866.553 | 130836 | (o) | 5 | 165711 | (e) | 5 | -2.73 | 1.51E+06 |
| 2872.121 | 127873 | (o) | 3 | 162680 | (e) | 4 | -3.76 | 1.40E+05 |
| 2873.394 | 131791 | (o) | 4 | 166583 | (e) | 5 | -3.85 | 1.14E+05 |
| 2878.461 | 127950 | (o) | 4 | 162680 | (e) | 4 | -2.82 | 1.22E+06 |
| 2879.199 | 127939 | (o) | 6 | 162661 | (e) | 5 | -3.72 | 1.51E+05 |
| 2880.043 | 127950 | (o) | 4 | 162661 | (e) | 5 | -3.47 | 2.69E+05 |
| 2888.156 | 124636 | (o) | 5 | 159250 | (e) | 4 | -2.93 | 9.47E+05 |
| 2894.235 | 133524 | (o) | 5 | 168066 | (e) | 5 | -3.18 | 5.30E+05 |
| 2896.164 | 130733 | (o) | 3 | 165251 | (e) | 4 | -3.23 | 4.74E+05 |
| 2902.607 | 118288 | (o) | 5 | 152730 | (e) | 6 | -3.19 | 5.26E+05 |
| 2908.433 | 127029 | (o) | 4 | 161402 | (e) | 5 | -2.30 | 3.93E+06 |
| 2908.505 | 132211 | (o) | 4 | 166583 | (e) | 5 | -2.83 | 1.17E+06 |
| 2917.290 | 120223 | (o) | 7 | 154492 | (e) | 6 | -3.82 | 1.20E+05 |
| 2919.458 | 120223 | (o) | 7 | 154466 | (e) | 7 | -2.37 | 3.38E+06 |
| 2928.717 | 123087 | (o) | 5 | 157221 | (e) | 6 | -3.16 | 5.31E+05 |
| 2930.693 | 136838 | (o) | 4 | 170949 | (e) | 5 | -3.66 | 1.68E+05 |
| 2941.350 | 125262 | (o) | 3 | 159250 | (e) | 4 | -2.92 | 9.44E+05 |
| 2943.120 | 123254 | (o) | 6 | 157221 | (e) | 6 | -3.37 | 3.27E+05 |
| 2946.555 | 119101 | (o) | 7 | 153029 | (e) | 7 | -3.34 | 3.55E+05 |
| 2953.797 | 120621 | (o) | 6 | 154466 | (e) | 7 | -3.75 | 1.35E+05 |
| 2953.840 | 127939 | (o) | 6 | 161784 | (e) | 6 | -3.12 | 5.70E+05 |
| 2956.217 | 134332 | (o) | 3 | 168149 | (e) | 4 | -3.98 | 8.16E+04 |
| 2960.275 | 123254 | (o) | 6 | 157025 | (e) | 5 | -3.00 | 7.56E+05 |
| 2973.933 | 120876 | (o) | 5 | 154492 | (e) | 6 | -2.28 | 3.96E+06 |
| 2974.441 | 111381 | (o) | 6 | 144991 | (e) | 7 | -3.07 | 6.32E+05 |
| 2976.066 | 125809 | (o) | 4 | 159401 | (e) | 5 | -3.48 | 2.51E+05 |
| 2984.229 | 132211 | (o) | 4 | 165711 | (e) | 5 | -3.56 | 2.09E+05 |
| 2984.984 | 135286 | (o) | 3 | 168778 | (e) | 4 | -3.66 | 1.63E+05 |
| 2987.792 | 131791 | (o) | 4 | 165251 | (e) | 4 | -3.85 | 1.06E+05 |
| 2988.431 | 127950 | (o) | 4 | 161402 | (e) | 5 | -3.22 | 4.47E+05 |
| 2989.447 | 125809 | (o) | 4 | 159250 | (e) | 4 | -3.17 | 5.05E+05 |
| 2991.580 | 139734 | (o) | 3 | 173152 | (e) | 4 | -3.59 | 1.91E+05 |
| 3004.498 | 112291 | (o) | 7 | 145564 | (e) | 8 | -2.31 | 3.69E+06 |
| 3024.049 | 133524 | (o) | 5 | 166583 | (e) | 5 | -3.71 | 1.44E+05 |
| 3024.981 | 138248 | (o) | 4 | 171297 | (e) | 4 | -3.94 | 8.44E+04 |
| 3036.347 | 126326 | (o) | 3 | 159250 | (e) | 4 | -2.86 | 9.98E+05 |
| 3037.447 | 129767 | (o) | 4 | 162680 | (e) | 4 | -3.45 | 2.54E+05 |
| 3039.209 | 129767 | (o) | 4 | 162661 | (e) | 5 | -3.89 | 9.30E+04 |
| 3042.047 | 135286 | (o) | 3 | 168149 | (e) | 4 | -3.56 | 1.97E+05 |
| 3043.134 | 124370 | (o) | 6 | 157221 | (e) | 6 | -3.23 | 4.20E+05 |

|          |        |     |   |        |     |   |       |          |
|----------|--------|-----|---|--------|-----|---|-------|----------|
| 3047.407 | 120223 | (o) | 7 | 153029 | (e) | 7 | -3.66 | 1.59E+05 |
| 3068.003 | 124636 | (o) | 5 | 157221 | (e) | 6 | -3.44 | 2.55E+05 |
| 3072.747 | 126716 | (o) | 3 | 159250 | (e) | 4 | -3.54 | 2.05E+05 |
| 3084.554 | 126991 | (o) | 5 | 159401 | (e) | 5 | -3.41 | 2.75E+05 |
| 3084.841 | 120621 | (o) | 6 | 153029 | (e) | 7 | -2.89 | 9.04E+05 |
| 3098.930 | 126991 | (o) | 5 | 159250 | (e) | 4 | -3.64 | 1.61E+05 |
| 3102.668 | 127029 | (o) | 4 | 159250 | (e) | 4 | -3.61 | 1.69E+05 |
| 3104.643 | 133524 | (o) | 5 | 165725 | (e) | 6 | -3.69 | 1.42E+05 |
| 3105.993 | 133524 | (o) | 5 | 165711 | (e) | 5 | -3.19 | 4.47E+05 |
| 3113.556 | 120621 | (o) | 6 | 152730 | (e) | 6 | -3.41 | 2.66E+05 |
| 3129.239 | 130733 | (o) | 3 | 162680 | (e) | 4 | -3.02 | 6.58E+05 |
| 3129.971 | 136838 | (o) | 4 | 168778 | (e) | 4 | -3.69 | 1.36E+05 |
| 3138.443 | 120876 | (o) | 5 | 152730 | (e) | 6 | -2.83 | 1.02E+06 |
| 3163.420 | 130181 | (o) | 6 | 161784 | (e) | 6 | -2.80 | 1.05E+06 |
| 3167.418 | 139734 | (o) | 3 | 171297 | (e) | 4 | -3.92 | 7.98E+04 |
| 3177.578 | 127939 | (o) | 6 | 159401 | (e) | 5 | -3.91 | 8.05E+04 |
| 3178.606 | 127950 | (o) | 4 | 159401 | (e) | 5 | -3.36 | 2.85E+05 |
| 3183.294 | 123087 | (o) | 5 | 154492 | (e) | 6 | -2.72 | 1.26E+06 |
| 3192.769 | 136838 | (o) | 4 | 168149 | (e) | 4 | -3.94 | 7.44E+04 |
| 3193.875 | 127950 | (o) | 4 | 159250 | (e) | 4 | -3.93 | 7.63E+04 |
| 3202.620 | 125809 | (o) | 4 | 157025 | (e) | 5 | -2.82 | 9.79E+05 |
| 3216.857 | 126144 | (o) | 6 | 157221 | (e) | 6 | -3.10 | 5.12E+05 |
| 3230.337 | 130836 | (o) | 5 | 161784 | (e) | 6 | -2.54 | 1.85E+06 |
| 3233.351 | 134332 | (o) | 3 | 165251 | (e) | 4 | -3.85 | 9.21E+04 |
| 3238.585 | 128382 | (o) | 3 | 159250 | (e) | 4 | -3.37 | 2.72E+05 |
| 3257.285 | 122038 | (o) | 5 | 152730 | (e) | 6 | -3.29 | 3.20E+05 |
| 3270.662 | 130836 | (o) | 5 | 161402 | (e) | 5 | -2.56 | 1.74E+06 |
| 3274.569 | 138248 | (o) | 4 | 168778 | (e) | 4 | -2.89 | 7.95E+05 |
| 3281.093 | 132211 | (o) | 4 | 162680 | (e) | 4 | -3.15 | 4.43E+05 |
| 3283.149 | 132211 | (o) | 4 | 162661 | (e) | 5 | -3.94 | 7.18E+04 |
| 3318.925 | 124370 | (o) | 6 | 154492 | (e) | 6 | -2.47 | 2.03E+06 |
| 3321.732 | 124370 | (o) | 6 | 154466 | (e) | 7 | -2.95 | 6.68E+05 |
| 3332.916 | 127029 | (o) | 4 | 157025 | (e) | 5 | -3.46 | 2.09E+05 |
| 3334.095 | 129266 | (o) | 3 | 159250 | (e) | 4 | -4.00 | 5.94E+04 |
| 3348.528 | 124636 | (o) | 5 | 154492 | (e) | 6 | -2.05 | 5.26E+06 |
| 3357.583 | 123254 | (o) | 6 | 153029 | (e) | 7 | -3.60 | 1.47E+05 |
| 3373.597 | 129767 | (o) | 4 | 159401 | (e) | 5 | -3.98 | 6.13E+04 |
| 3376.168 | 131791 | (o) | 4 | 161402 | (e) | 5 | -2.94 | 6.64E+05 |
| 3390.801 | 129767 | (o) | 4 | 159250 | (e) | 4 | -2.82 | 8.75E+05 |
| 3391.628 | 123254 | (o) | 6 | 152730 | (e) | 6 | -3.59 | 1.50E+05 |
| 3414.081 | 127939 | (o) | 6 | 157221 | (e) | 6 | -3.81 | 8.67E+04 |
| 3424.744 | 132211 | (o) | 4 | 161402 | (e) | 5 | -3.00 | 5.73E+05 |
| 3431.132 | 133524 | (o) | 5 | 162661 | (e) | 5 | -3.50 | 1.79E+05 |
| 3438.391 | 127950 | (o) | 4 | 157025 | (e) | 5 | -3.70 | 1.11E+05 |
| 3488.374 | 124370 | (o) | 6 | 153029 | (e) | 7 | -3.42 | 2.05E+05 |
| 3499.829 | 130836 | (o) | 5 | 159401 | (e) | 5 | -3.28 | 2.89E+05 |
| 3505.595 | 130733 | (o) | 3 | 159250 | (e) | 4 | -3.38 | 2.27E+05 |
| 3517.340 | 126044 | (o) | 7 | 154466 | (e) | 7 | -2.76 | 9.27E+05 |

|          |        |     |   |        |     |   |       |          |
|----------|--------|-----|---|--------|-----|---|-------|----------|
| 3518.349 | 130836 | (o) | 5 | 159250 | (e) | 4 | -3.78 | 8.95E+04 |
| 3518.470 | 136838 | (o) | 4 | 165251 | (e) | 4 | -3.95 | 5.93E+04 |
| 3525.137 | 124370 | (o) | 6 | 152730 | (e) | 6 | -3.72 | 1.01E+05 |
| 3526.635 | 126144 | (o) | 6 | 154492 | (e) | 6 | -2.67 | 1.13E+06 |
| 3529.804 | 126144 | (o) | 6 | 154466 | (e) | 7 | -2.79 | 8.64E+05 |
| 3537.659 | 133524 | (o) | 5 | 161784 | (e) | 6 | -3.67 | 1.15E+05 |
| 3558.551 | 124636 | (o) | 5 | 152730 | (e) | 6 | -3.95 | 5.95E+04 |
| 3566.180 | 117531 | (o) | 7 | 145564 | (e) | 8 | -3.15 | 3.72E+05 |
| 3586.079 | 133524 | (o) | 5 | 161402 | (e) | 5 | -3.75 | 9.22E+04 |
| 3640.238 | 138248 | (o) | 4 | 165711 | (e) | 5 | -2.77 | 8.45E+05 |
| 3640.577 | 117531 | (o) | 7 | 144991 | (e) | 7 | -3.10 | 4.02E+05 |
| 3649.432 | 135286 | (o) | 3 | 162680 | (e) | 4 | -3.72 | 9.49E+04 |
| 3667.704 | 129767 | (o) | 4 | 157025 | (e) | 5 | -3.22 | 2.96E+05 |
| 3682.083 | 138100 | (o) | 3 | 165251 | (e) | 4 | -3.93 | 5.70E+04 |
| 3697.184 | 130181 | (o) | 6 | 157221 | (e) | 6 | -3.47 | 1.63E+05 |
| 3702.243 | 138248 | (o) | 4 | 165251 | (e) | 4 | -3.76 | 8.42E+04 |
| 3750.087 | 139066 | (o) | 6 | 165725 | (e) | 6 | -3.60 | 1.22E+05 |
| 3760.373 | 126144 | (o) | 6 | 152730 | (e) | 6 | -3.41 | 1.83E+05 |
| 3765.078 | 127939 | (o) | 6 | 154492 | (e) | 6 | -3.71 | 8.99E+04 |
| 3814.868 | 135578 | (o) | 5 | 161784 | (e) | 6 | -3.75 | 8.26E+04 |
| 3861.269 | 119101 | (o) | 7 | 144991 | (e) | 7 | -3.08 | 3.78E+05 |
| 3863.451 | 133524 | (o) | 5 | 159401 | (e) | 5 | -3.56 | 1.23E+05 |
| 3868.513 | 136838 | (o) | 4 | 162680 | (e) | 4 | -3.54 | 1.26E+05 |
| 3871.233 | 135578 | (o) | 5 | 161402 | (e) | 5 | -3.33 | 2.07E+05 |
| 3884.036 | 126991 | (o) | 5 | 152730 | (e) | 6 | -3.65 | 1.00E+05 |
| 4012.013 | 134332 | (o) | 3 | 159250 | (e) | 4 | -3.42 | 1.62E+05 |
| 4028.957 | 132211 | (o) | 4 | 157025 | (e) | 5 | -3.37 | 1.79E+05 |
| 4032.690 | 127939 | (o) | 6 | 152730 | (e) | 6 | -3.88 | 5.31E+04 |
| 4036.311 | 120223 | (o) | 7 | 144991 | (e) | 7 | -3.20 | 2.67E+05 |
| 4067.218 | 138100 | (o) | 3 | 162680 | (e) | 4 | -3.53 | 1.18E+05 |
| 4102.243 | 120621 | (o) | 6 | 144991 | (e) | 7 | -3.18 | 2.63E+05 |
| 4171.750 | 135286 | (o) | 3 | 159250 | (e) | 4 | -3.66 | 8.49E+04 |
| 4226.144 | 130836 | (o) | 5 | 154492 | (e) | 6 | -2.74 | 6.79E+05 |
| 4254.109 | 133524 | (o) | 5 | 157025 | (e) | 5 | -3.32 | 1.79E+05 |
| 4356.847 | 139734 | (o) | 3 | 162680 | (e) | 4 | -3.56 | 9.58E+04 |
| 4400.717 | 139066 | (o) | 6 | 161784 | (e) | 6 | -3.99 | 3.57E+04 |
| 4433.699 | 130181 | (o) | 6 | 152730 | (e) | 6 | -3.59 | 8.58E+04 |
| 4661.426 | 135578 | (o) | 5 | 157025 | (e) | 5 | -3.92 | 3.71E+04 |
| 4847.998 | 124370 | (o) | 6 | 144991 | (e) | 7 | -3.91 | 3.50E+04 |
| 5276.234 | 126044 | (o) | 7 | 144991 | (e) | 7 | -3.38 | 9.93E+04 |
| 5304.329 | 126144 | (o) | 6 | 144991 | (e) | 7 | -3.60 | 5.93E+04 |
| 5324.328 | 138248 | (o) | 4 | 157025 | (e) | 5 | -2.80 | 3.74E+05 |

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