|            | 1  | 2                             | 3                                | 4   | 5  | 6   | 7   | 8                             | 9                             | 10                               | 11   |
|------------|--|-------------------------------|----------------------------------|---|--|---|---|-------------------------------|-------------------------------|----------------------------------|--|
|            |  | <b>54.7777</b> -7.01¢         |                                  |   |  | 165.876+9.17¢   |   |                               |                               |                                  |  |
| D C        |  |                               |                                  |   |  | 176.303+14.72¢ 186.998+16.67¢                         |   |                               |                               | 298.712+43.19¢<br>316.349+42.51¢ |  |
| <b>~</b> 1 |  |                               |                                  |   | 163.484-0.33¢  |   |   | 264.345+17.91¢                |                               | 332.325+27.8¢                    |  |
| _          | <b>34.1984</b> –22.6¢                                  | 68.5455-18.84¢                | 102.744-20.09¢                   | 137.388-15.09¢  | 172.033-12.09¢   | <b>207.272</b> –5.12¢                                 | <b>242.363</b> –1.22¢                                 | 277.899+4.48¢                 | 313.585+9.72¢                 | 349.716+16.11¢                   | 385.996+21.99¢   |
|            |  |                               |                                  |   | 183.857+2.99¢  | 221.394+8.98¢<br>236.409+22.59¢                       |   |                               |                               |                                  | 411.908+34.47¢ 439.362+46.18¢                            |
| <b>□</b> 1 |  |                               |                                  |   |  | 249.153+13.48¢  |   |                               |                               |                                  |  |
|            | ,  |                               |                                  | <b>174.299</b> –3.12¢                                 |  | 262.64+4.75¢  | 307.128+8.78¢   | <b>351.934</b> +13.37¢        | <b>396.581</b> +16.23¢        | <b>442.023</b> +21.63¢           | 487.465+26.04¢   |
| $\sim$ 1   |  |                               |                                  | 184.425-5.36¢   |  | 277.704+1.3¢  | 324.609+4.62¢   |                               | 419.487+13.44¢                |                                  | 515.431+22.62¢   |
| C 1        |  | 97.713-5.05¢<br>103.528-4.97¢ |                                  | 196.113 <sub>+1.02¢</sub><br>207.24 <sub>-3.43¢</sub> | 245.227+1.63¢<br>259.096-3.13¢                         | 294.341+2.03¢ 311.136-1.9¢                            | 343.97 <sub>+4.92¢</sub><br>363.544 <sub>+0.73¢</sub> | 393.771+7.83¢<br>415.952+2.7¢ | 443.916+11.43¢ 466.337-3.26¢  | 494.06+14.31¢ 520.951+6.06¢      | 544.72 <sub>+18.3¢</sub> 575.197 <sub>+12.55¢</sub>      |
| ۸ - 1      |  |                               |                                  | 219.406-4.68¢   |  | 329.85-0.78¢  | 385.391+1.76¢   | 441.143+4.5¢                  | 497.108+7.36¢                 | 553.072+9.65¢                    |  |
| D 1        |  |                               |                                  | <b>232.823</b> –1.92¢                                 |  | <b>349.543</b> -0.39¢                                 | 408.212+1.36¢   | 467.19+3.81¢                  | 526.322+6.22¢                 |                                  | <b>646.284</b> <sub>+</sub> 14.29¢                       |
| 60         |  |                               | 184.421-7.35¢                    | 246.371 <sub>-4.¢</sub><br>261.835 <sub>+1.39¢</sub>  | 308.321 <sub>-2.¢</sub>                                | 370.449+0.18¢   | 432.399+1.01¢   | 494.884+3.51¢                 | 558.262+8.22¢                 | 621.462+11.49¢ 659.901+15.39¢    | 685.375+15.96¢   |
| C+-2       |  |                               |                                  | 276.688-3.09¢   | 345.9 <sub>-2.89¢</sub>                                | 393.434+4.39¢ 415.585-0.78¢                           | 459.915+7.81¢ 485.429+1.29¢                           | 526.123+9.48¢ 555.431+3.33¢   | 592.876+12.37¢ 626.064+6.66¢  |                                  | 767.648+12.22¢   |
| D2         | <b>73.2877</b> –3.03¢                                  | 146.575-3.03¢                 | 220.302+0.42¢                    | 293.59-0.44¢  | <b>367.755</b> +3.18¢                                  | <b>441.262</b> +3.01¢                                 | 515.866+6.57¢   | 590.032+7.95¢                 | 665.294+11.88¢                | <b>740.557</b> +15.02¢           | 816.258+18.51¢   |
| F2         |  |                               | 232.845-3.71¢                    |   | 388.443-2.07¢  | 466.425-0.98¢   | 545.632+3.69¢   | 623.859+4.46¢                 | 703.31+8.08¢                  | 781.905+9.08¢                    | ·  |
|            |  |                               |                                  | 329.681+0.29¢ 349.331+0.51¢                           |  | 494.882+1.55¢ 523.844+0.01¢                           | 578.129+3.84¢ 611.862+2.02¢                           | 661.663+6.32¢ 700.336+4.66¢   | 745.773+9.57¢ 786.222+1.02¢   | 829.451+11.28¢<br>878.047+9.85¢  | 914.424 <sub>+15.12¢</sub><br>967.436 <sub>+12.68¢</sub> |
| E          | 91.9851 <sub>-9.63¢</sub>                              |                               | 276.735-4.75¢                    |   | 461.484-3.77¢  | 554.249-2.31¢   | 647.274-0.57¢   | 740.818+1.94¢                 | 834.622+4.44¢                 | 928.945+7.4¢                     | 1023.27 <sub>+</sub> 9.82¢                               |
|            | 97.8358-2.88¢  | 196.221+1.98¢                 | <b>294.194</b> <sub>+1.17¢</sub> | 392.58+2.58¢  | <b>490.416</b> +1.49¢                                  | 588.938+2.79¢   | 688.148+5.44¢   | <b>787.77</b> +8.33¢          | <b>887.53</b> +10.85¢         | <b>987.564</b> +13.34¢           | 1088.15+16.25¢   |
| G♯2<br>A2  |  |                               |                                  | 415.096-0.87¢   | 518.582-1.83¢  | 623.22+0.74¢  | 728.242+3.48¢   | 832.688+4.33¢                 | 938.67+7.83¢                  | 1044.27+9.99¢                    |  |
| ۸          |  |                               |                                  | 439.742-1.01¢ 465.889-1.02¢                           | 550.116+0.37¢ 583.151+1.33¢                            | 659.905-0.24¢ 699.465+0.55¢                           | 770.67 <sub>+1.51¢</sub><br>817.202 <sub>+3.01¢</sub> | 882.604+5.12¢ 934.938+4.85¢   | 993.368+5.89¢ 1053.15+7.06¢   | 1105.3+8.33¢<br>1172.31+10.22¢   | 1218.6+12.27¢ 1290.68+11.75¢                             |
| B2         |  |                               |                                  | 494.376+1.73¢   |  | <b>742.592</b> <sub>+4.13¢</sub>                      | 867.3+6.01¢   | 992.007+7.42¢                 | 1117.57 <sub>+</sub> 9.85¢    |                                  | 1370.24+15.31¢   |
|            |  |                               |                                  | 523.081-0.56¢   |  | 785.992+2.46¢   | 917.6+3.61¢   | 1050.43+6.49¢                 | 1182.64+7.82¢                 | 1316.08+10.5¢                    | ·  |
| D2         | 137.542 <sub>-13.16¢</sub><br>146.79 <sub>-0.5¢</sub>  |                               | 415.12-2.72¢ 441.285+3.1¢        | 553.597-2.39¢ 588.686+4.¢                             | 691.763-2.98¢ 736.086+4.54¢                            | 830.552-2.07¢ 883.486+4.89¢                           | 969.965-0.31¢<br>1031.19+5.66¢                        | 1110.31+2.48¢ 1178.59+5.79¢   | 1250.04+3.77¢ 1326.91+7.09¢   | 1390.7+5.97¢ 1475.83+8.84¢       | 1531.98+8.48¢<br>1624.76+10.27¢                          |
| D-+-2      |  |                               | 466.497-0.71¢                    |   | 778.003+0.42¢  | 933.825+0.83¢   |   | 1246.3+2.5¢                   | 1402.96+3.57¢                 | 1560.03+4.88¢                    | ,  |
|            |  |                               |                                  | 659.861+1.59¢   |  |   |   |                               | 1487.47 <sub>+4.84¢</sub>     |                                  |  |
| F-+-3      |  |                               |                                  | 700.101+4.08¢<br>740.862+2.05¢                        |  |   | 1229.23+9.8¢ 1301.82+9.12¢                            |                               | 1585.54+15.37¢ 1679.12+14.65¢ |                                  |  |
| 60         |  |                               | 589.393+4.12¢                    |   |  |   |   | 1581.95+15.36¢                |                               |                                  |  |
|            | 207.172 <sub>-4.¢</sub>                                | 414.344 <sub>-4.¢</sub>       | 622.014-2.62¢                    | 830.182-0.89¢   | 1039.84+2.64¢  | <b>1248.51</b> +3.61¢                                 | 1459.17+6.66¢   | 1670.82+9.98¢                 | 1882.97+13.02¢                | 2096.62+16.68¢                   | 2313.25+21.91¢   |
|            |  |                               |                                  |   |  | 1325.43+7.11¢   |   |                               |                               |                                  |  |
| D 0        |  | 494.449+1.99¢                 |                                  | 934.147+3.38¢<br>991.056+5.76¢                        |  | 1405.25+8.36¢ 1491.11+11.03¢                          |   |                               |                               |                                  | 2607.49+29.19¢<br>2767.79+32.48¢                         |
| C4         | 261.801+1.17¢  | <b>524.171</b> +3.05¢         | 787.11+4.92¢                     | 1050.62+6.8¢  | 1315.27 <sub>+9.43¢</sub>                              | 1581.05+12.42¢  | <b>1848.54</b> <sub>+16.15¢</sub>                     | <b>2117.74</b> +20.35¢        | 2389.22+25.25¢                | <b>2663.54</b> +31.01¢           | 2939.57 <sub>+36.72¢</sub>                               |
| D 4        |  |                               |                                  |   |  | 1672.29 <sub>+9.55¢</sub>                             |   |                               |                               |                                  |  |
|            |  |                               |                                  |   |  | 1774.99 <sub>+12.74¢</sub> 1877.99 <sub>+10.39¢</sub> |   |                               |                               |                                  |  |
| - 4        |  |                               |                                  |   |  | 1994.21 <sub>+14.34¢</sub>                            |   |                               |                               |                                  |  |
|            |  |                               |                                  |   |  | <b>2113.41</b> +14.84¢                                |   |                               |                               |                                  |  |
| ~ .        | 370.517 <sub>+2.45¢</sub><br>392.643 <sub>+2.86¢</sub> |                               |                                  |   |  | 2241.85+16.98¢  |   |                               |                               |                                  |  |
|            |  |                               |                                  |   |  | 2379.41+20.08¢<br>2513.09+14.72¢                      |   |                               |                               |                                  | ·  |
| A4         | [440.Hz]   |                               |                                  |   |  | 2671.83+20.76¢  |   |                               |                               |                                  | 5035.56+68.58¢   |
| D 4        |  |                               |                                  |   |  | 2831.99 <sub>+21.54¢</sub>                            |   |                               |                               |                                  |  |
| <b>с</b> г |  |                               |                                  |   |  | 3007.11+25.41¢ 3180.29+22.35¢                         |   |                               |                               |                                  |  |
|            | 554.309-0.17¢  |                               |                                  |   |  | 3378.89+27.22¢  |   |                               |                               |                                  |  |
|            |  |                               |                                  |   |  |   |   |                               |                               |                                  | 6853.15+102.12¢  |
|            |  |                               |                                  |   |  |   |   |                               |                               |                                  | 7268.18+103.91¢ 7744.76+113.86¢                          |
|            |  |                               |                                  |   |  |   |   |                               |                               |                                  | \$ 8273.97 <sub>+128.29¢</sub>                           |
|            | <b>736.752</b> –7.58¢                                  | <b>1475.41</b> –5.34¢         | <b>2221.71</b> +1.36¢            | <b>2978.5</b> +10.82¢                                 | <b>3746.75</b> +21.77¢                                 | <b>4531.22</b> +35.24¢                                | <b>5330.</b> +49.45¢                                  | 6152.64+66.76¢                | <b>6996.28</b> +85.31¢        | 7868.55+106.32                   | 4  |
|            |  |                               |                                  |   |  | 4845.86+51.46¢  |   |                               |                               |                                  | t  |
| A F        |  |                               |                                  |   |  | 5139.18+53.2¢ 5452.95+55.8¢                           |   |                               |                               |                                  | ŧ  |
| A♯5        |  |                               |                                  |   |  | <b>5789.49</b> +59.48¢                                |   |                               |                               |                                  |  |
| CC         |  |                               |                                  |   |  | 6174.62+70.98¢  |   |                               |                               |                                  |  |
|            |  |                               |                                  |   |  | 6540.41+70.62¢ 6932.94+71.52¢                         |   |                               |                               |                                  |  |
| D6         |  |                               |                                  |   |  | 7408.08+86.28¢  |   |                               |                               |                                  |  |
| ГС         |  |                               |                                  |   |  | 7834.26+83.12¢  |   |                               |                               |                                  |  |
| E6<br>F6   |  |                               |                                  |   |  | 8384.24+100.57¢<br>8931.81+110.1¢                     |   |                               |                               |                                  |  |
| F¤6        |  |                               |                                  |   |  | 9465.23+110.53¢                                       |   |                               |                               |                                  |  |
| ~          |  |                               |                                  |   | <b>8248.36</b> +87.93¢                                 |   |   |                               |                               |                                  |  |
| ۸.         |  |                               |                                  |   | 8770.87 <sub>+94.27¢</sub> 9375.13 <sub>+109.61¢</sub> |   |   |                               |                               |                                  |  |
|            |  |                               |                                  | 7795.17 <sub>+</sub> 76.41¢                           |  | ;   |   |                               |                               |                                  |  |
| B6         | <b>1989.24</b> +11.97¢                                 | <b>3978.48</b> +11.97¢        | 6120.74+55.81¢                   | 8323.89+90.02¢  |  |   |   |                               |                               |                                  |  |
|            |  |                               |                                  | 8808.37+87.96¢ 9317.05+85.16¢                         |  |   |   |                               |                               |                                  |  |
|            |  |                               | 7328.68+67.62¢                   |   |  |   |   |                               |                               |                                  |  |
| D¤7        | <b>2499.5</b> +7.28¢                                   | 5063.59+29.51¢                | 7749.43+64.27¢                   |   |  |   |   |                               |                               |                                  |  |
|            |  |                               | 8114.95+44.06¢                   |   |  |   |   |                               |                               |                                  |  |
|            |  |                               | 8780.94+80.61¢<br>8999.47+23.17¢ |   |  |   |   |                               |                               |                                  |  |
| G7         | 3128.79 <sub>-3.96¢</sub>                              | 6375.65+28.4¢                 | JJJJ. F1 +23.1/6                 |   |  |   |   |                               |                               |                                  |  |
|            | 3354.34+16.55¢   |                               |                                  |   |  |   |   |                               |                               |                                  |  |
|            | 3519.48-0.25¢ 3727.03-1.05¢                            |                               |                                  |   |  |   |   |                               |                               |                                  |  |
|            | 3727.03 <sub>-1.05¢</sub> 3951.21 <sub>+0.07¢</sub>    |                               |                                  |   |  |   |   |                               |                               |                                  |  |
|            | 4197.6+4.79¢   |                               |                                  |   |  |   |   |                               |                               |                                  |  |
| •          |  |                               |                                  |   |  |   |   |                               |                               |                                  |  |