

## Summary Propagation Tables for Paraguay (Asuncion)

| SSN<br>Ultra High         | SSN<br>Very High          | SSN<br>High               | SSN<br>Medium             | SSN<br>Low                | SSN<br>Very Low           |
|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| <a href="#">January</a>   | <a href="#">January</a>   | <a href="#">January</a>   | <a href="#">January</a>   | <a href="#">January</a>   | <a href="#">January</a>   |
| <a href="#">February</a>  | <a href="#">February</a>  | <a href="#">February</a>  | <a href="#">February</a>  | <a href="#">February</a>  | <a href="#">February</a>  |
| <a href="#">March</a>     | <a href="#">March</a>     | <a href="#">March</a>     | <a href="#">March</a>     | <a href="#">March</a>     | <a href="#">March</a>     |
| <a href="#">April</a>     | <a href="#">April</a>     | <a href="#">April</a>     | <a href="#">April</a>     | <a href="#">April</a>     | <a href="#">April</a>     |
| <a href="#">May</a>       | <a href="#">May</a>       | <a href="#">May</a>       | <a href="#">May</a>       | <a href="#">May</a>       | <a href="#">May</a>       |
| <a href="#">June</a>      | <a href="#">June</a>      | <a href="#">June</a>      | <a href="#">June</a>      | <a href="#">June</a>      | <a href="#">June</a>      |
| <a href="#">July</a>      | <a href="#">July</a>      | <a href="#">July</a>      | <a href="#">July</a>      | <a href="#">July</a>      | <a href="#">July</a>      |
| <a href="#">August</a>    | <a href="#">August</a>    | <a href="#">August</a>    | <a href="#">August</a>    | <a href="#">August</a>    | <a href="#">August</a>    |
| <a href="#">September</a> | <a href="#">September</a> | <a href="#">September</a> | <a href="#">September</a> | <a href="#">September</a> | <a href="#">September</a> |
| <a href="#">October</a>   | <a href="#">October</a>   | <a href="#">October</a>   | <a href="#">October</a>   | <a href="#">October</a>   | <a href="#">October</a>   |
| <a href="#">November</a>  | <a href="#">November</a>  | <a href="#">November</a>  | <a href="#">November</a>  | <a href="#">November</a>  | <a href="#">November</a>  |
| <a href="#">December</a>  | <a href="#">December</a>  | <a href="#">December</a>  | <a href="#">December</a>  | <a href="#">December</a>  | <a href="#">December</a>  |

Each of the month names in the above table is a hyperlink to the corresponding page of this document. Click on the one you want to jump to.

Jan., Paraguay (Asuncion), for SSN = Ultra High, Sigs in S-Units. By N6BV, ARRL.

|     | 80 Meters |    |    |    |    |    |    | 40 Meters |    |    |    |    |    |    | 20 Meters |    |    |    |    |    |    | 15 Meters |    |    |    |    |    |    | 10 Meters |    |    |    |    |    |    |     |    |
|-----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----|----|
| UTC | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | UTC |    |
| 0   | 8         | -  | 9+ | 9  | 5  | -  | 8  | 9         | 2  | 9+ | 9+ | 9  | -  | 9  | 9+        | 9+ | 9+ | 9+ | 9+ | 7  | 9+ | 9         | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | -         | 9+ | 9+ | 9+ | 8  | 9  | 9+ | 0   |    |
| 1   | 8         | -  | 9+ | 9  | 6  | -  | 8  | 9+        | -  | 9+ | 9+ | 9  | -  | 9+ | 9+        | 9  | 9+ | 9+ | 9+ | 9+ | 8  | 9+        | 6  | 9+ | 9+ | 9+ | 9+ | 9+ | 9+        | -  | 9+ | 9+ | 9+ | -  | 9  | 9+  | 1  |
| 2   | 8         | -  | 9+ | 9  | 5  | -  | 9  | 9         | -  | 9+ | 9+ | 9  | -  | 9+ | 9+        | 9  | 9+ | 9+ | 9+ | 9+ | 9  | 9+        | 4  | 9+ | 9+ | 9+ | 2* | 9+ | 9+        | -  | 9+ | 9+ | 9+ | 5* | 9  | 8   | 2  |
| 3   | 8         | -  | 9+ | 8  | -  | -  | 9  | 9         | -  | 9+ | 9+ | 8  | 7  | 9+ | 9+        | 9  | 9+ | 9+ | 9+ | 9+ | 9+ | 9+        | 1  | 9+ | 9+ | 9+ | 9+ | 9+ | 9+        | -  | 9+ | 9+ | 9  | 4* | 9+ | 8   | 3  |
| 4   | 8         | -  | 9+ | 8  | -  | -  | 9  | 9         | -  | 9+ | 9+ | 7  | 8  | 9+ | 9+        | 9  | 9+ | 9+ | 9+ | 9+ | 9+ | 9+        | -  | 9+ | 9+ | 9+ | 9+ | 9+ | 9+        | -  | 9  | 9+ | 7  | 9  | 9+ | 9   | 4  |
| 5   | 8         | -  | 9+ | 8  | -  | 6  | 9  | 9         | -  | 9+ | 9+ | -  | 9  | 9+ | 5         | 9  | 9+ | 9+ | 9  | 9  | 9+ | 9+        | 1* | 9+ | 9+ | 9+ | 9+ | 9+ | 9+        | -  | 9  | 9+ | 6* | 9  | 9+ | 8   | 5  |
| 6   | 6         | -  | 9+ | 7  | -  | 7  | 9  | 9         | -  | 9+ | 9+ | -  | 9  | 9+ | 9         | 9+ | 9+ | 9+ | 9  | 9  | 9+ | 9+        | 5* | 9+ | 9+ | 9+ | 9+ | 9+ | 9+        | -  | 9  | 9+ | 9  | 8  | 9+ | 5   | 6  |
| 7   | -         | -  | 9+ | 6  | -  | 7  | 8  | 8         | 1  | 9+ | 9  | -  | 9  | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 9+ | 9+ | 9         | 9  | 9+ | 9+ | 9+ | 9+ | 9  | 2         | 5  | 9  | 7  | 5  | 9  | 1  | 7   |    |
| 8   | -         | -  | 9+ | 2  | -  | 7  | 8  | 6         | 5  | 9+ | 8  | -  | 9  | 9+ | 9+        | 9+ | 9+ | 9+ | 8  | 9+ | 9+ | 9         | 9  | 9+ | 9  | 8  | 9+ | 6  | 2         | 5  | 8  | 6  | 1  | 9  | -  | 8   |    |
| 9   | -         | -  | 9+ | -  | -  | -  | 6  | -         | 5  | 9+ | 5  | -  | 9  | 9+ | 9         | 9+ | 9+ | 9+ | 8  | 9+ | 9+ | 9         | 8  | 9+ | 9+ | 8  | 9+ | 1  | 1         | 8  | 1  | 8  | 2  | 8  | -  | 9   |    |
| 10  | -         | -  | 9+ | -  | -  | -  | 2  | -         | -  | 9+ | 1  | -  | 8  | 9  | 8         | 9  | 9+ | 9  | 8* | 9+ | 9  | 9+        | 8  | 8  | 9+ | 9  | 9  | 9+ | -         | 8  | 8  | 1  | 9  | 7  | 9  | -   | 10 |
| 11  | -         | -  | 9  | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | -  | 7  | 5         | 7* | 9+ | 7  | 7* | 9+ | 9+ | 9         | 8  | 9+ | 9+ | 9  | 9+ | 9  | 9         | 8  | 9  | 9  | 9  | 9  | -  | 11  |    |
| 12  | -         | -  | 1  | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | -  | 1  | 2         | 5* | 9+ | 4  | 6* | 9  | 9  | 8         | 8* | 9+ | 9  | 8  | 9+ | 9+ | 9         | 8  | 9+ | 8  | 8  | 9  | 9  | 12  |    |
| 13  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 7  | -  | -  | -  | -  | -         | 3* | 9+ | 1  | -  | 8  | 8  | 6         | 5* | 9+ | 8  | 6* | 9  | 9+ | 8         | 8  | 9+ | 8  | 8  | 9  | 9+ | 13  |    |
| 14  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 4  | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | 3  | 4  | 5         | 4  | 9  | 7  | 2* | 9  | 9  | 8         | 8  | 9+ | 8  | 7  | 9  | 9+ | 14  |    |
| 15  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 2  | -  | -  | -  | -  | -         | -  | 9+ | 1  | -  | -  | 2  | 5         | 4  | 9  | 8  | 2  | 8  | 8  | 8         | 8  | 9+ | 8  | 7  | 8  | 9  | 15  |    |
| 16  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 1  | -  | -  | -  | -  | -         | -  | 9+ | 1  | -  | -  | 1  | 7         | 4  | 9+ | 8  | 4  | 8  | 8  | 8         | 8  | 9+ | 9  | 8  | 8  | 9  | 16  |    |
| 17  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 2  | -  | -  | -  | -  | -         | -  | 9+ | 4  | -  | -  | -  | 8         | 5  | 9+ | 9  | 7  | 7  | 7  | 9         | 9  | 9+ | 9  | 9  | 8  | 9  | 17  |    |
| 18  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 5  | -  | -  | -  | -  | 3         | -  | 9+ | 8  | -  | -  | 2  | 9         | 7  | 9+ | 9  | 9  | 6  | 8  | 9         | 9  | 9+ | 9  | 9  | 8  | 9  | 18  |    |
| 19  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 9  | 1  | -  | -  | -  | 9         | 1  | 9+ | 9  | 9  | 6  | 6  | 9         | 9+ | 9+ | 9+ | 9  | 9  | 9  | 9+        | 9  | 9+ | 9  | 9  | 8  | 9  | 19  |    |
| 20  | -         | -  | 7  | -  | -  | -  | -  | -         | -  | 9+ | 4  | -  | -  | -  | 9         | 9  | 9+ | 9+ | 9  | 8  | 8  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 9         | 9  | 9  | 9+ | 9+ | 8  | 9+ | 20  |    |
| 21  | -         | -  | 9  | 2  | -  | -  | -  | -         | -  | 9+ | 8  | -  | -  | 2  | 9+        | 9  | 9+ | 9+ | 9+ | 8  | 9  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 8         | 7  | 9+ | 9+ | 9+ | 8  | 9+ | 21  |    |
| 22  | -         | -  | 9+ | 7  | -  | -  | -  | 8         | 1  | 9+ | 9  | 8  | -  | 6  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 5         | 9  | 9+ | 9+ | 9+ | 8  | 9+ | 22  |    |
| 23  | 1         | -  | 9+ | 9  | -  | -  | 6  | 9         | 5  | 9+ | 9+ | 9  | -  | 8  | 9+        | 9+ | 9+ | 9+ | 9+ | 8  | 9+ | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 2         | 9  | 9+ | 9+ | 9+ | 8  | 9+ | 23  |    |
|     | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA |     |    |

Feb., Paraguay (Asuncion), for SSN = Ultra High, Sigs in S-Units. By N6BV, ARRL.

| 80 Meters |    |    |    |    |    |    |    | 40 Meters |    |    |    |    |    |    |    | 20 Meters |    |    |    |    |    |    |    | 15 Meters |    |    |    |    |    |    |    | 10 Meters |    |    |    |     |    |  |  |  |
|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|-----|----|--|--|--|
| UTC       | EU | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU | FE        | SA | AF | AS | OC | NA | EU | FE | SA        | AF | AS | OC | NA | EU | FE | SA | AF        | AS | OC | NA | UTC |    |  |  |  |
| 0         | 8  | -  | 9+ | 9  | 5  | -  | 7  | 9         | 2  | 9+ | 9+ | 9  | -  | 9  | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 9+ | 9+ | 9+ | 9+        | 9+ | 9  | 9+ | 8  | 9+ | 9+ | 9+ | 9+        | 9  | 9+ | 9+ | 0   |    |  |  |  |
| 1         | 8  | -  | 9+ | 9  | 6  | -  | 8  | 9         | -  | 9+ | 9+ | 9  | -  | 9+ | 9+ | 9         | 9+ | 9+ | 9+ | 8  | 9+ | 9+ | 9+ | 9+        | 9  | 9+ | 4  | 9+ | 9+ | 9+ | 9+ | 7         | 9  | 9+ | 1  |     |    |  |  |  |
| 2         | 9  | -  | 9+ | 9  | 5  | -  | 9  | 9         | -  | 9+ | 9+ | 8  | -  | 9+ | 9+ | 9         | 9+ | 9+ | 9+ | 9  | 9+ | 9+ | 9+ | 9+        | 9  | 9+ | 9+ | 1  | 9+ | 9+ | 9+ | 4*        | 9+ | 9+ | 2  |     |    |  |  |  |
| 3         | 8  | -  | 9+ | 8  | -  | -  | 9  | 9         | -  | 9+ | 9+ | 8  | 6  | 9+ | 9+ | 8         | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9  | 9         | 9+ | 9+ | 9+ | 9  | 9+ | 9+ | 9+ | 6         | 9+ | 9+ | 3  |     |    |  |  |  |
| 4         | 8  | -  | 9+ | 8  | -  | -  | 9  | 9         | -  | 9+ | 9+ | 2  | 8  | 9+ | 9+ | 8         | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8  | 9         | 9+ | 9+ | 9+ | 9  | 9+ | 9+ | 9  | 9         | 9+ | 9+ | 4  |     |    |  |  |  |
| 5         | 8  | -  | 9+ | 8  | -  | 6  | 8  | 9         | -  | 9+ | 9+ | -  | 9  | 9+ | 9  | 9         | 9+ | 9+ | 9  | 9  | 9+ | 9+ | 2* | 9         | 9+ | 9+ | 9+ | 9  | 9+ | 9+ | 3* | 9+        | 9+ | 9  | 9  | 9+  | 5  |  |  |  |
| 6         | -  | -  | 9+ | 8  | -  | 6  | 8  | 9         | -  | 9+ | 9  | -  | 9  | 9+ | 9  | 9         | 9+ | 9+ | 9  | 9  | 9+ | 9+ | 7  | 9+        | 9+ | 9+ | 9+ | 9  | 9+ | 9+ | 2* | 9         | 9+ | 9  | 9  | 9+  | 6  |  |  |  |
| 7         | -  | -  | 9+ | 7  | -  | 7  | 8  | 8         | -  | 9+ | 9  | -  | 9  | 9+ | 9+ | 9+        | 9+ | 9  | 8  | 9+ | 9+ | 9+ | 9+ | 9+        | 9  | 9+ | 9+ | 6  | 9  | 9+ | 8  | 7         | 9+ | 7  | 7  |     |    |  |  |  |
| 8         | -  | -  | 9+ | 1  | -  | 6  | 8  | 5         | 2  | 9+ | 8  | -  | 9  | 9+ | 9+ | 9+        | 9+ | 9  | 8  | 9+ | 9+ | 9+ | 9+ | 9         | 7  | 9+ | 8  | 4  | 7  | 8  | 1  | 1         | 9  | -  | 8  |     |    |  |  |  |
| 9         | -  | -  | 9+ | -  | -  | 6  | 8  | -         | 6  | 9+ | 5  | -  | 9  | 9+ | 9  | 9+        | 9+ | 9+ | 9  | 8  | 9+ | 9+ | 9  | 8         | 9  | 9  | 7  | 9+ | 6  | 4  | 5  | -         | 7  | 6  | 8  | -   | 9  |  |  |  |
| 10        | -  | -  | 9+ | -  | -  | -  | 2  | -         | 2  | 9+ | -  | -  | 8  | 9  | 8  | 9+        | 9+ | 9  | 7  | 9+ | 9+ | 9  | 8  | 9         | 9+ | 9  | 9+ | 4  | 9  | 8  | -  | 9+        | 8  | 9  | -  | 10  |    |  |  |  |
| 11        | -  | -  | 9  | -  | -  | -  | 1  | -         | -  | 9+ | -  | -  | -  | 7  | 4  | 9*        | 9+ | 7  | 7* | 9+ | 9+ | 8  | 8* | 9+        | 9+ | 9  | 9+ | 9+ | 9  | 9  | 9  | 7         | 9  | 9  | 9  | 1   | 11 |  |  |  |
| 12        | -  | -  | 1  | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | -  | 2  | 1  | 6         | 9+ | 2  | 5* | 9  | 9+ | 6  | 9* | 9+        | 9  | 8  | 9+ | 9+ | 9  | 9  | 9  | 9+        | 9  | 9  | 9  | 12  |    |  |  |  |
| 13        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 6  | -  | -  | -  | -  | -  | -         | 9+ | -  | 2* | 8  | 8  | 5  | 8* | 9+        | 8  | 7* | 9  | 9+ | 8  | 8  | 9+ | 9         | 8  | 9  | 9+ | 13  |    |  |  |  |
| 14        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 1  | -  | -  | -  | -  | -  | 1*        | 9+ | -  | -  | 4  | 4  | 4  | 5  | 9+        | 6  | 3* | 9  | 9  | 7  | 8  | 9+ | 8         | 7  | 9  | 9+ | 14  |    |  |  |  |
| 15        | -  | -  | -  | -  | -  | -  | -  | -         | -  | -  | -  | -  | -  | -  | -  | -         | 9+ | -  | -  | 1  | 2  | 5  | 4  | 9+        | 6  | 2  | 8  | 8  | 7  | 8  | 9+ | 9         | 7  | 8  | 9  | 15  |    |  |  |  |
| 16        | -  | -  | -  | -  | -  | -  | -  | -         | -  | -  | -  | -  | -  | -  | -  | -         | 9+ | -  | -  | -  | 1  | 6  | 4  | 9+        | 8  | 3  | 7  | 7  | 8  | 8  | 9+ | 9         | 8  | 8  | 9  | 16  |    |  |  |  |
| 17        | -  | -  | -  | -  | -  | -  | -  | -         | -  | -  | -  | -  | -  | -  | -  | -         | 9+ | 3  | -  | -  | -  | 8  | 5  | 9+        | 9  | 7  | 6  | 6  | 9  | 9  | 9+ | 9         | 8  | 8  | 9  | 17  |    |  |  |  |
| 18        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 3  | -  | -  | -  | -  | 2  | -         | 9+ | 7  | -  | -  | 1  | 9  | 7  | 9+        | 9  | 9  | 7  | 8  | 9  | 9  | 9+ | 6         | 9  | 8  | 9  | 18  |    |  |  |  |
| 19        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 9  | -  | -  | -  | -  | 9  | 1         | 9+ | 9  | 9  | 6  | 5  | 9+ | 9  | 9+        | 9+ | 9  | 9  | 9  | 9+ | 9+ | 9+ | 9+        | 9  | 8  | 9  | 19  |    |  |  |  |
| 20        | -  | -  | 3  | -  | -  | -  | -  | -         | -  | 9+ | 4  | -  | -  | -  | 9  | 9         | 9+ | 9+ | 9  | 8  | 8  | 9+ | 9+ | 9+        | 9+ | 9+ | 9  | 9+ | 9+ | 9+ | 9+ | 9+        | 8  | 9+ | 20 |     |    |  |  |  |
| 21        | -  | -  | 9  | 1  | -  | -  | -  | -         | -  | 9+ | 8  | -  | -  | 2  | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 9  | 9+ | 9+ | 9+        | 9+ | 9+ | 9  | 9+ | 9+ | 9+ | 9+ | 9+        | 7  | 9+ | 21 |     |    |  |  |  |
| 22        | -  | -  | 9+ | 6  | -  | -  | -  | 8         | 2  | 9+ | 9  | 8  | -  | 5  | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 9+ | 9+ | 9+ | 9+        | 9+ | 9+ | 9+ | 9+ | 9+ | 9  | 9  | 9+        | 9+ | 9+ | 8  | 9+  | 22 |  |  |  |
| 23        | 1  | -  | 9+ | 8  | -  | -  | 5  | 9         | 5  | 9+ | 9+ | 8  | -  | 8  | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 9+ | 9+ | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 9  | 9+ | 9+ | 9+        | 9  | 9  | 9+ | 23  |    |  |  |  |
|           | EU | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU | FE        | SA | AF | AS | OC | NA | EU | FE | SA        | AF | AS | OC | NA | EU | FE | SA | AF        | AS | OC | NA |     |    |  |  |  |

Mar., Paraguay (Asuncion), for SSN = Ultra High, Sigs in S-Units. By N6BV, ARRL.

| 80 Meters |    |    |    |    |    |    |    | 40 Meters |    |    |    |    |    |    |    | 20 Meters |    |    |    |    |    |    |    | 15 Meters |    |    |    |    |    |    |    | 10 Meters |    |    |    |     |    |  |  |  |
|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|-----|----|--|--|--|
| UTC       | EU | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU | FE        | SA | AF | AS | OC | NA | EU | FE | SA        | AF | AS | OC | NA | EU | FE | SA | AF        | AS | OC | NA | UTC |    |  |  |  |
| 0         | 8  | -  | 9+ | 9  | 5  | -  | 7  | 9         | 2  | 9+ | 9+ | 9  | -  | 9  | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 9+ | 9+ | 9+ | 9+        | 9+ | 9  | 9+ | 9+ | 9+ | 9  | 9+ | 9         | 9+ | 9+ | 9+ | 0   |    |  |  |  |
| 1         | 8  | -  | 9+ | 9  | 5  | -  | 8  | 9         | -  | 9+ | 9+ | 9  | -  | 9+ | 9+ | 9         | 9+ | 9+ | 9+ | 9  | 8  | 9+ | 9+ | 9+        | 9+ | 9  | 9  | 9+ | 9  | 9+ | 9+ | 9+        | 9  | 9  | 9+ | 1   |    |  |  |  |
| 2         | 9  | -  | 9+ | 8  | 2  | -  | 9  | 9         | -  | 9+ | 9+ | 8  | -  | 9+ | 9+ | 8         | 9+ | 9+ | 9+ | 9  | 9  | 9+ | 9+ | 9+        | 9+ | 9  | 9+ | 9+ | 8  | 9+ | 9+ | 9+        | 5  | 9+ | 9  | 2   |    |  |  |  |
| 3         | 8  | -  | 9+ | 8  | -  | -  | 9  | 9+        | -  | 9+ | 9+ | 8  | -  | 9+ | 9+ | 1         | 9+ | 9+ | 9+ | 9  | 9  | 9+ | 9  | 9         | 9+ | 9+ | 9  | 9+ | 9  | 9+ | 9  | 9+        | 9  | 9  | 9  | 3   |    |  |  |  |
| 4         | 8  | -  | 9+ | 8  | -  | -  | 9  | 9         | -  | 9+ | 9+ | 2  | 8  | 9+ | 9+ | 4         | 9+ | 9+ | 9+ | 9  | 9  | 9+ | 9  | 9         | 9+ | 9+ | 9  | 9+ | 9  | 9  | 2* | 9         | 9+ | 9+ | 9  | 9   | 4  |  |  |  |
| 5         | 7  | -  | 9+ | 8  | -  | -  | 9  | 9         | -  | 9+ | 9+ | -  | 9  | 9+ | 9+ | 8         | 9+ | 9+ | 9  | 9  | 9  | 9+ | 9  | 9         | 9+ | 9+ | 9  | 9  | 9  | 1* | 9  | 9+        | 9  | 9  | 9  | 5   |    |  |  |  |
| 6         | -  | -  | 9+ | 8  | -  | 6  | 8  | 9         | -  | 9+ | 9  | -  | 9  | 9+ | 9+ | 9         | 9+ | 9+ | 8  | 9  | 9+ | 9  | 9  | 9+        | 9  | 9  | 9  | 9  | 9  | 5* | 9  | 9+        | 9+ | 9  | 9  | 6   |    |  |  |  |
| 7         | -  | -  | 9+ | 6  | -  | 7  | 8  | 7         | -  | 9+ | 9  | -  | 9  | 9+ | 9+ | 9         | 9+ | 9+ | 4  | 9  | 9+ | 9  | 9+ | 9         | 9  | 9  | 9  | 9  | 9  | 8  | 8  | 9+        | 9  | 8  | 9  | 7   |    |  |  |  |
| 8         | -  | -  | 9+ | 1  | -  | 6  | 8  | -         | 1  | 9+ | 8  | -  | 9  | 9+ | 9+ | 9+        | 9+ | 8  | 9  | 9+ | 9  | 9  | 9+ | 9         | 9  | 8  | 9  | 9  | 2  | 8  | 5  | 6         | 2  | 9  | 7  | 8   |    |  |  |  |
| 9         | -  | -  | 9+ | -  | -  | 7  | 8  | -         | 5  | 9+ | 5  | -  | 9  | 9  | 9  | 9+        | 9+ | 9+ | 9+ | 7  | 9  | 9+ | 9  | 9         | 9  | 9  | 7  | 9  | 8  | 7  | 3  | -         | 7  | 4  | 8  | 1   | 9  |  |  |  |
| 10        | -  | -  | 9+ | -  | -  | -  | 5  | -         | 2  | 9+ | 1  | -  | 8  | 9  | 7  | 9+        | 9+ | 9  | 8  | 9  | 9+ | 9  | 9  | 9         | 9  | 9  | 9  | 9  | 9  | 9  | 8  | -         | 9+ | 9  | 7  | 1   | 10 |  |  |  |
| 11        | -  | -  | 9+ | -  | -  | -  | 1  | -         | -  | 9+ | -  | -  | 7  | 8  | 4  | 9         | 9+ | 8  | 5* | 9+ | 9+ | 8  | 9  | 9+        | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9         | 9  | 9  | 9  | 11  |    |  |  |  |
| 12        | -  | -  | 4  | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | -  | 2  | 1  | 8         | 9+ | 4  | 6* | 9  | 9+ | 6  | 9* | 9+        | 9  | 8* | 9+ | 9  | 8  | 8  | 9+ | 9         | 8  | 9  | 9  | 12  |    |  |  |  |
| 13        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 7  | -  | -  | -  | -  | -  | 2         | 9+ | 1  | 4* | 8  | 8  | 9  | 8* | 9+        | 8  | 7* | 9  | 9  | 8  | 9* | 9+ | 9         | 8* | 9  | 9  | 13  |    |  |  |  |
| 14        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 2  | -  | -  | -  | -  | -  | 1*        | 9+ | -  | 1* | 5  | 5  | 4  | 5* | 9+        | 6  | 4* | 9  | 9  | 7  | 8  | 9  | 9         | 8* | 9  | 9  | 14  |    |  |  |  |
| 15        | -  | -  | -  | -  | -  | -  | -  | -         | -  | -  | -  | -  | -  | -  | -  | -         | 9+ | -  | -  | 1  | 1  | 4  | 4  | 9+        | 6  | 1* | 9  | 8  | 7  | 8  | 9+ | 9         | 7  | 8  | 9  | 15  |    |  |  |  |
| 16        | -  | -  | -  | -  | -  | -  | -  | -         | -  | -  | -  | -  | -  | -  | -  | -         | 9+ | 1  | -  | -  | 1  | 6  | 4  | 9+        | 8  | 3  | 7  | 7  | 8  | 8  | 9+ | 9         | 8  | 8  | 9  | 16  |    |  |  |  |
| 17        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 1  | -  | -  | -  | -  | -  | -         | 9+ | 3  | -  | -  | -  | 8  | 5  | 9+        | 9  | 7  | 6  | 6  | 9  | 9  | 9+ | 9         | 9  | 8  | 9  | 17  |    |  |  |  |
| 18        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 2  | -  | -  | -  | -  | 6  | -         | 9+ | 7  | -  | -  | -  | 9  | 7  | 9+        | 9  | 8  | 7  | 8  | 9  | 9  | 9+ | 9         | 9  | 9  | 9  | 18  |    |  |  |  |
| 19        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 9  | -  | -  | -  | -  | 9  | 5*        | 9+ | 9  | 8  | 6  | 4  | 9  | 9  | 9+        | 9+ | 9  | 9  | 9  | 9  | 9+ | 9+ | 9+        | 9  | 9  | 9  | 19  |    |  |  |  |
| 20        | -  | -  | 6  | -  | -  | -  | -  | -         | -  | 9+ | 4  | -  | -  | -  | 9  | 9         | 9+ | 9+ | 9  | 8  | 8  | 9+ | 9+ | 9+        | 9+ | 9  | 9  | 9  | 9  | 9+ | 9+ | 9+        | 9+ | 9  | 8  | 9+  | 20 |  |  |  |
| 21        | -  | -  | 9  | 2  | -  | -  | -  | 7         | -  | 9+ | 8  | -  | -  | 2  | 9+ | 9+        | 9+ | 9+ | 9  | 9  | 9  | 9+ | 9+ | 9+        | 9+ | 9  | 9  | 9  | 9  | 9+ | 9+ | 9+        | 9+ | 9  | 8  | 9+  | 21 |  |  |  |
| 22        | -  | -  | 9+ | 6  | -  | -  | -  | 8         | 5  | 9+ | 9  | 8  | 5  | 6  | 9+ | 9+        | 9+ | 9+ | 9  | 9  | 9  | 9+ | 9+ | 9+        | 9+ | 9  | 9  | 9  | 9  | 9  | 9  | 9         | 9  | 9  | 8  | 9+  | 22 |  |  |  |
| 23        | 7  | -  | 9+ | 8  | -  | -  | 5  | 9         | 5  | 9+ | 9+ | 8  | -  | 8  | 9+ | 9+        | 9+ | 9+ | 9  | 9  | 9  | 9+ | 9+ | 9+        | 9+ | 9  | 9  | 9  | 9  | 9  | 9  | 9         | 9  | 9  | 9  | 9   | 23 |  |  |  |
|           | EU | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU | FE        | SA | AF | AS | OC | NA | EU | FE | SA        | AF | AS | OC | NA | EU | FE | SA | AF        | AS | OC | NA |     |    |  |  |  |

Apr., Paraguay (Asuncion), for SSN = Ultra High, Sigs in S-Units. By N6BV, ARRL.

| 80 Meters |    |    |    |    |    |    |    | 40 Meters |    |    |    |    |    |    |    | 20 Meters |    |    |    |    |    |    |    | 15 Meters |    |    |    |    |    |    |    | 10 Meters |    |    |    |     |    |  |  |  |
|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|-----|----|--|--|--|
| UTC       | EU | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU | FE        | SA | AF | AS | OC | NA | EU | FE | SA        | AF | AS | OC | NA | EU | FE | SA | AF        | AS | OC | NA | UTC |    |  |  |  |
| 0         | 8  | -  | 9+ | 9  | 5  | -  | 7  | 9         | 1  | 9+ | 9+ | 9  | -  | 9  | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 9+ | 9+ | 9+ | 9+        | 9+ | 9  | 9+ | 9+ | 9+ | 9+ | 9+ | 9+        | 9+ | 9+ | 0  |     |    |  |  |  |
| 1         | 8  | -  | 9+ | 9  | 5  | -  | 8  | 9         | -  | 9+ | 9+ | 9  | -  | 9+ | 9+ | 9         | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 9+ | 9+        | 9+ | 9+ | 9  | 9+ | 9+ | 9+ | 9+ | 9+        | 9  | 9+ | 9+ | 1   |    |  |  |  |
| 2         | 9  | -  | 9+ | 9  | -  | -  | 9  | 9         | -  | 9+ | 9+ | 8  | -  | 9+ | 9+ | 8         | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 9+ | 9+        | 9+ | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 9+        | 9  | 9+ | 9+ | 2   |    |  |  |  |
| 3         | 8  | -  | 9+ | 8  | -  | -  | 9  | 9+        | -  | 9+ | 9+ | 8  | -  | 9+ | 9+ | 2         | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9         | 9+ | 9+ | 9+ | 9+ | 9  | 9  | 9+ | 9+        | 9  | 9+ | 9+ | 3   |    |  |  |  |
| 4         | 8  | -  | 9+ | 9  | -  | -  | 9  | 9         | -  | 9+ | 9+ | -  | 8  | 9+ | 9+ | 1         | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9         | 9+ | 9+ | 9+ | 9+ | 9+ | 9  | 7  | 9         | 9+ | 9+ | 9+ | 9+  | 4  |  |  |  |
| 5         | -  | -  | 9+ | 9  | -  | -  | 9  | 9         | -  | 9+ | 9+ | -  | 8  | 9+ | 9+ | 1         | 9+ | 9+ | 9  | 9  | 9+ | 9+ | 9+ | 9         | 9+ | 9+ | 9+ | 9+ | 9  | 6  | 9  | 9+        | 8  | 9+ | 9+ | 9+  | 5  |  |  |  |
| 6         | -  | -  | 9+ | 8  | -  | 7  | 8  | 8         | -  | 9+ | 9  | -  | 9  | 9+ | 9+ | 9         | 9+ | 9+ | 8  | 9+ | 9+ | 9+ | 9  | 9+        | 9+ | 9+ | 9  | 9+ | 9  | 7  | 9  | 9+        | 9  | 9  | 9+ | 9   | 6  |  |  |  |
| 7         | -  | -  | 9+ | 6  | -  | 7  | 9  | 7         | -  | 9+ | 9  | -  | 9  | 9+ | 9+ | 9         | 9+ | 9+ | 1  | 9+ | 9+ | 9  | 9+ | 9+        | 9  | 9+ | 9+ | 9  | 5  | 9  | 9+ | 7         | 4  | 9+ | 8  | 7   |    |  |  |  |
| 8         | -  | -  | 9+ | 1  | -  | 7  | 8  | -         | -  | 9+ | 8  | -  | 9  | 9+ | 9  | 9+        | 9+ | 9+ | 2* | 9+ | 9+ | 8  | 9+ | 9+        | 8  | 5  | 9+ | 9+ | -  | 6  | 6  | 1         | -  | 9  | 8  | 8   |    |  |  |  |
| 9         | -  | -  | 9+ | -  | -  | 7  | 8  | -         | 6  | 9+ | 4  | -  | 9  | 9  | 9  | 9+        | 9+ | 9+ | 9+ | 7  | 9+ | 9+ | 9  | 9         | 8  | 9+ | 6  | 9+ | 3  | 2  | 2  | 5         | 4  | 8  | 1  | 9   |    |  |  |  |
| 10        | -  | -  | 9+ | -  | -  | -  | 6  | -         | 6  | 9+ | 1  | -  | 9  | 9  | 6  | 9+        | 9+ | 9  | 7* | 9+ | 9+ | 9  | 9+ | 9         | 9+ | 9  | 9  | 9  | 9  | 8  | -  | 9+        | 8  | 4* | 2  | 10  |    |  |  |  |
| 11        | -  | -  | 9+ | -  | -  | -  | 2  | -         | -  | 9+ | -  | -  | 8  | 8  | 2  | 9+        | 9+ | 8  | 9  | 9+ | 9+ | 8  | 9+ | 9+        | 9+ | 8  | 9+ | 9+ | 9  | 9  | 8  | 9+        | 9  | 9+ | 9  | 11  |    |  |  |  |
| 12        | -  | -  | 6  | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | -  | 4  | -  | 9         | 9+ | 5  | 4* | 9+ | 9+ | 7  | 9+ | 9+        | 9  | 9* | 9+ | 9+ | 8  | 9  | 9+ | 9         | 8  | 9+ | 9  | 12  |    |  |  |  |
| 13        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 8  | -  | -  | -  | -  | -  | 3*        | 9+ | 1  | 2* | 9  | 9  | 9  | 9  | 9+        | 9  | 8  | 9+ | 9+ | 8  | 9  | 9+ | 9         | 8* | 9  | 9  | 13  |    |  |  |  |
| 14        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 4  | -  | -  | -  | -  | -  | -         | 9+ | 1  | 1* | 7  | 5  | 4  | 7* | 9+        | 7  | 5* | 8  | 9  | 7  | 8  | 9+ | 9         | 7  | 9  | 9+ | 14  |    |  |  |  |
| 15        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 1  | -  | -  | -  | -  | -  | -         | 9+ | 1  | -  | 4  | 2  | 5  | 7  | 9+        | 8  | 5  | 8  | 8  | 7  | 8  | 9+ | 9         | 7  | 9  | 9  | 15  |    |  |  |  |
| 16        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 1  | -  | -  | -  | -  | -  | -         | 9+ | 2  | -  | 1  | 1  | 6  | 6  | 9+        | 8  | 7  | 8  | 8  | 8  | 9  | 9+ | 9         | 8  | 9  | 9  | 16  |    |  |  |  |
| 17        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 2  | -  | -  | -  | -  | 2  | -         | 9+ | 6  | -  | -  | -  | 8  | 7  | 9+        | 9  | 8  | 7  | 7  | 9  | 9  | 9+ | 9+        | 9  | 9  | 9  | 17  |    |  |  |  |
| 18        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 9  | -  | -  | -  | -  | 7  | 2*        | 9+ | 8  | 7  | 5  | 1  | 9  | 9  | 9+        | 9  | 9  | 8  | 8  | 9  | 9+ | 9+ | 9+        | 9  | 9  | 9  | 18  |    |  |  |  |
| 19        | -  | -  | 1  | -  | -  | -  | -  | -         | -  | 9+ | 1  | -  | -  | -  | 9  | 8         | 9+ | 9  | 9  | 7  | 4  | 9+ | 9+ | 9+        | 9+ | 9+ | 9  | 9  | 9+ | 9+ | 9+ | 9+        | 9+ | 9  | 9  | 19  |    |  |  |  |
| 20        | -  | -  | 8  | -  | -  | -  | -  | -         | -  | 9+ | 6  | -  | -  | -  | 9  | 9         | 9+ | 9+ | 9  | 8  | 8  | 9+ | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 9+ | 9+ | 9+ | 9+        | 9+ | 8  | 9+ | 20  |    |  |  |  |
| 21        | -  | -  | 9+ | 2  | -  | -  | -  | 8         | 1  | 9+ | 8  | 4  | -  | 2  | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 9  | 9+ | 9+ | 9+        | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+        | 9+ | 8  | 9+ | 21  |    |  |  |  |
| 22        | -  | -  | 9+ | 7  | -  | -  | -  | 9         | 4  | 9+ | 9  | 8  | 5  | 6  | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 9+ | 9+ | 9+ | 9+        | 9+ | 9+ | 9+ | 9+ | 9+ | 9  | 9  | 9+        | 9+ | 9+ | 9  | 9+  | 22 |  |  |  |
| 23        | 7  | -  | 9+ | 9  | 5  | -  | 4  | 9         | 5  | 9+ | 9+ | 9  | 5  | 8  | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 9+ | 9+ | 9+ | 9+        | 9+ | 9+ | 9+ | 9+ | 9+ | 9  | 9  | 9+        | 9+ | 9+ | 9  | 9+  | 23 |  |  |  |
|           | EU | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU | FE        | SA | AF | AS | OC | NA | EU | FE | SA        | AF | AS | OC | NA | EU | FE | SA | AF        | AS | OC | NA |     |    |  |  |  |

May, Paraguay (Asuncion), for SSN = Ultra High, Sigs in S-Units. By N6BV, ARRL.

| 80 Meters |    |    |    |    |    |    |    | 40 Meters |    |    |    |    |    |    |    | 20 Meters |    |    |    |    |    |    |    | 15 Meters |    |    |    |    |    |    |    | 10 Meters |    |    |    |     |    |    |    | UTC |
|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|-----|----|----|----|-----|
| UTC       | EU | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU | FE        | SA | AF | AS | OC | NA | EU | FE | SA        | AF | AS | OC | NA | EU | FE | SA | AF        | AS | OC | NA | UTC |    |    |    |     |
| 0         | 8  | -  | 9+ | 9  | 5  | -  | 7  | 9         | -  | 9+ | 9+ | 9  | 2  | 9  | 9+ | 9+        | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+        | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9         | 9  | 0  | 0  |     |    |    |    |     |
| 1         | 8  | -  | 9+ | 9  | 2  | -  | 8  | 9         | -  | 9+ | 9+ | 8  | -  | 9+ | 9+ | 9         | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 9+ | 9+        | 9+ | 9  | 9+ | 9+ | 8  | 9+ | 9+ | 9+        | 9  | 9+ | 1  | 1   |    |    |    |     |
| 2         | 8  | -  | 9+ | 9  | -  | -  | 9  | 9         | -  | 9+ | 9+ | 8  | -  | 9+ | 9+ | 8         | 9+ | 9+ | 9+ | 9  | 9+ | 9+ | 9  | 9+        | 9+ | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 9         | 9+ | 9+ | 2  | 2   |    |    |    |     |
| 3         | 8  | -  | 9+ | 9  | -  | -  | 9  | 9         | -  | 9+ | 9+ | 7  | -  | 9+ | 9+ | 1         | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8         | 9+ | 9+ | 9+ | 9+ | 9+ | 9  | 9  | 9+        | 9+ | 9  | 9+ | 9+  | 3  | 3  |    |     |
| 4         | 7  | -  | 9+ | 9  | -  | -  | 8  | 9         | -  | 9+ | 9+ | -  | 7  | 9+ | 9+ | 1         | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9  | 9         | 9+ | 9+ | 9+ | 9+ | 9+ | 9  | 9  | 9+        | 9  | 9  | 9+ | 9+  | 4  | 4  |    |     |
| 5         | -  | -  | 9+ | 9  | -  | -  | 8  | 8         | -  | 9+ | 9+ | -  | 8  | 9+ | 9+ | 1         | 9+ | 9+ | 9  | 9+ | 9+ | 9+ | 9  | 9         | 9+ | 9+ | 9+ | 9+ | 9+ | 8  | 9  | 9+        | 9  | 9  | 9+ | 9   | 5  | 5  |    |     |
| 6         | -  | -  | 9+ | 8  | -  | 6  | 9  | 8         | -  | 9+ | 9+ | -  | 9  | 9+ | 9+ | 1         | 9+ | 9+ | 8  | 9+ | 9+ | 9+ | 9  | 9         | 9+ | 9+ | 9  | 9+ | 9+ | 8  | 9  | 9+        | 7  | 7  | 9+ | 9   | 6  | 6  |    |     |
| 7         | -  | -  | 9+ | 2  | -  | 7  | 9  | -         | -  | 9+ | 9  | -  | 9  | 9+ | 9+ | 9         | 9+ | 9+ | 1  | 9+ | 9+ | 9  | 9+ | 9         | 9+ | 9+ | 8  | 8  | 9+ | 9+ | 4  | 8         | 9+ | -  | 3  | 9+  | 8  | 7  | 7  |     |
| 8         | -  | -  | 9+ | 1  | -  | 7  | 8  | -         | -  | 9+ | 8  | -  | 9  | 9+ | 9  | 9         | 9+ | 9+ | 1  | 9+ | 9+ | 9  | 9  | 9+        | 9+ | 5  | 5  | 9+ | 9+ | -  | 7  | 5         | -  | -  | 7  | 8   | 8  | 8  |    |     |
| 9         | -  | -  | 9+ | -  | -  | 7  | 8  | -         | 1  | 9+ | 5  | -  | 9  | 9  | 8  | 9+        | 9+ | 9+ | -  | 9+ | 9+ | 9  | 9  | 9         | 8  | 8  | 9  | 6  | 9  | 9  | 5  | -         | -  | 3  | 2  | 1   | -  | 9  | 9  |     |
| 10        | -  | -  | 9+ | -  | -  | 7  | 6  | -         | 4  | 9+ | 1  | -  | 9  | 9  | 5  | 9+        | 9+ | 9  | 2  | 9+ | 9+ | 9  | 9  | 9         | 8  | 6  | 9+ | 9  | 6  | 9+ | 9  | 8         | -  | 9+ | 8  | 3*  | -  | 10 | 10 |     |
| 11        | -  | -  | 9+ | -  | -  | -  | 1  | -         | -  | 9+ | -  | -  | 8  | 8  | 1  | 9+        | 9+ | 8  | 5* | 9+ | 9+ | 9  | 9+ | 9+        | 9+ | 9+ | 8  | 9+ | 9+ | 8  | 9  | 5         | 9  | 8  | 5* | 5   | 11 | 11 |    |     |
| 12        | -  | -  | 9  | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | -  | 4  | -  | 8         | 9+ | 5  | 6* | 9+ | 9+ | 9  | 9+ | 9+        | 9  | 8  | 9+ | 9+ | 8  | 9  | 9+ | 9         | 8  | 9+ | 9  | 12  | 12 |    |    |     |
| 13        | -  | -  | 1  | -  | -  | -  | -  | -         | -  | 9  | -  | -  | -  | -  | -  | 4*        | 9+ | 1  | 2* | 9  | 9  | 9  | 9  | 9         | 9+ | 9  | 8  | 9+ | 9+ | 8  | 9  | 9+        | 9  | 8* | 9+ | 9   | 13 | 13 |    |     |
| 14        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 6  | -  | -  | -  | -  | -  | 1*        | 9+ | 1  | 1* | 7  | 6  | 5  | 9  | 9+        | 7  | 5* | 9  | 9  | 7  | 9  | 9+ | 9         | 7  | 9  | 9  | 14  | 14 |    |    |     |
| 15        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 2  | -  | -  | -  | -  | -  | 1*        | 9+ | 2  | -  | 7  | 3  | 5  | 6  | 9+        | 8  | 5  | 8  | 9  | 8  | 9  | 9+ | 9         | 8  | 9  | 9  | 15  | 15 |    |    |     |
| 16        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 2  | -  | -  | -  | -  | 1  | -         | 9+ | 5  | -  | 4  | 1  | 6  | 7  | 9+        | 9  | 7  | 7  | 9  | 8  | 9  | 9+ | 9         | 8  | 9  | 9  | 16  | 16 |    |    |     |
| 17        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 9  | -  | -  | -  | -  | 4  | -         | 9+ | 8  | -  | 6  | 1  | 8  | 9  | 9+        | 9  | 8  | 8  | 8  | 9  | 9  | 9+ | 9         | 9  | 9  | 9  | 17  | 17 |    |    |     |
| 18        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 9  | -  | -  | -  | -  | 7  | 5*        | 9+ | 9  | 8  | 8  | 1  | 9  | 9  | 9+        | 9  | 9  | 9  | 8  | 9  | 9+ | 9+ | 9         | 9  | 9  | 9  | 18  | 18 |    |    |     |
| 19        | -  | -  | 2  | -  | -  | -  | -  | -         | -  | 9+ | 3  | -  | -  | -  | 9  | 9         | 9+ | 9  | 9  | 9  | 3  | 9+ | 9+ | 9+        | 9+ | 9+ | 9  | 9  | 9+ | 9+ | 9+ | 9+        | 9+ | 9  | 9  | 19  | 19 |    |    |     |
| 20        | -  | -  | 9  | -  | -  | -  | -  | -         | -  | 9+ | 7  | -  | -  | -  | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 7  | 9+ | 9+ | 9+        | 9+ | 9+ | 9  | 9  | 9+ | 9+ | 9+ | 9+        | 9+ | 8  | 9  | 20  | 20 |    |    |     |
| 21        | -  | -  | 9+ | 5  | -  | -  | -  | 7         | 3  | 9+ | 9  | 7  | 6  | 1  | 9+ | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 9+ | 9+        | 9+ | 9+ | 8  | 9+ | 9+ | 9+ | 9+ | 9+        | 9+ | 8  | 9  | 21  | 21 |    |    |     |
| 22        | -  | -  | 9+ | 7  | -  | -  | -  | 9         | 6  | 9+ | 9  | 8  | 7  | 5  | 9+ | 9+        | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+        | 9+ | 9+ | 9+ | 9+ | 9+ | 9  | 9  | 9+        | 9+ | 9+ | 9  | 9   | 22 | 22 |    |     |
| 23        | 7  | -  | 9+ | 9  | 5  | -  | 1  | 9         | 5  | 9+ | 9+ | 8  | 6  | 8  | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 9+ | 9+ | 9+ | 9+        | 9+ | 9+ | 9+ | 9+ | 9+ | 8  | 9  | 9+        | 9+ | 8  | 9  | 23  | 23 |    |    |     |
|           | EU | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU | FE        | SA | AF | AS | OC | NA | EU | FE | SA        | AF | AS | OC | NA | EU | FE | SA | AF        | AS | OC | NA |     |    |    |    |     |

Jun., Paraguay (Asuncion), for SSN = Ultra High, Sigs in S-Units. By N6BV, ARRL.

| 80 Meters |    |    |    |    |    |    |    | 40 Meters |    |    |    |    |    |    |    | 20 Meters |    |    |    |    |    |    |    | 15 Meters |    |    |    |    |    |    |    | 10 Meters |    |    |    |     |    |    |   | UTC |
|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|-----|----|----|---|-----|
| UTC       | EU | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU | FE        | SA | AF | AS | OC | NA | EU | FE | SA        | AF | AS | OC | NA | EU | FE | SA | AF        | AS | OC | NA | UTC |    |    |   |     |
| 0         | 8  | -  | 9+ | 9  | 5  | -  | 6  | 9         | -  | 9+ | 9+ | 9  | 8  | 9  | 9+ | 9+        | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+        | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+        | 9+ | 9+ | 9+ | 9+  | 0  |    |   |     |
| 1         | 8  | -  | 9+ | 9  | -  | -  | 8  | 9         | -  | 9+ | 9+ | 8  | -  | 9  | 9+ | 9         | 9+ | 9+ | 9+ | 9  | 9  | 9+ | 9+ | 9+        | 9+ | 9+ | 9  | 9+ | 9+ | 9+ | 9+ | 9         | 9  | 9  | 9  | 9   | 9  | 1  |   |     |
| 2         | 8  | -  | 9+ | 9  | -  | -  | 9  | 9         | -  | 9+ | 9+ | 8  | -  | 9+ | 9+ | 8         | 9+ | 9+ | 9+ | 9  | 9  | 9+ | 9+ | 7         | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9         | 9  | 9  | 9  | 9   | 9  | 9  | 2 |     |
| 3         | 8  | -  | 9+ | 9  | -  | -  | 9  | 9         | -  | 9+ | 9+ | 3  | -  | 9+ | 9+ | -         | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8         | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9  | 3         | 9  | 6  | 9  | 9+  | 9  | 9  | 3 |     |
| 4         | -  | -  | 9+ | 9  | -  | -  | 8  | 9         | -  | 9+ | 9+ | -  | 7  | 9+ | 9+ | -         | 9+ | 9+ | 9  | 9+ | 9+ | 9+ | 9+ | 7         | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+        | 9+ | 9+ | 9+ | 9+  | 9+ | 9  | 4 |     |
| 5         | -  | -  | 9+ | 9  | -  | -  | 8  | 8         | -  | 9+ | 9+ | -  | 8  | 9+ | 9+ | -         | 9+ | 9+ | 8  | 9+ | 9+ | 9+ | 9+ | 8         | 9+ | 9+ | 9  | 9+ | 9+ | 9+ | 9+ | 9         | 9  | 9  | 9  | 9   | 9  | 9  | 5 |     |
| 6         | -  | -  | 9+ | 9  | -  | 6  | 8  | -         | -  | 9+ | 9+ | -  | 9  | 9+ | 9+ | 1         | 9+ | 9+ | 5  | 9+ | 9+ | 9+ | 9+ | 9         | 9+ | 9+ | 9  | 9+ | 9+ | 9+ | 9+ | 9         | 9  | 9  | 9  | 9   | 9  | 9  | 6 |     |
| 7         | -  | -  | 9+ | 8  | -  | 6  | 9  | -         | -  | 9+ | 9+ | -  | 9  | 9+ | 9  | 8         | 9+ | 9+ | -  | 9+ | 9+ | 9+ | 9  | 9         | 9  | 7  | 6  | 9+ | 9+ | 9  | 9  | 9         | 9  | 9  | 9  | 9   | 9  | 9  | 7 |     |
| 8         | -  | -  | 9+ | 1  | -  | 7  | 8  | -         | -  | 9+ | 8  | -  | 9  | 9+ | 8  | 9         | 9+ | 9  | -  | 9+ | 9+ | 9+ | 9  | 9         | 9+ | 5  | 3  | 9  | 9  | -  | 4  | 2         | -  | -  | 5  | 6   | 9  | 8  |   |     |
| 9         | -  | -  | 9+ | -  | -  | 7  | 8  | -         | -  | 9+ | 4  | -  | 9  | 9+ | 7  | 9+        | 9+ | 9+ | -  | 9+ | 9+ | 9+ | 9  | 9         | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9         | 9  | 9  | 9  | 9   | 9  | 9  |   |     |
| 10        | -  | -  | 9+ | -  | -  | 7  | 6  | -         | 5  | 9+ | -  | -  | 9  | 9  | 4  | 9         | 9+ | 9  | -  | 9+ | 9+ | 9+ | 9  | 9         | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9         | 9  | 9  | 9  | 9   | 9  | 10 |   |     |
| 11        | -  | -  | 9+ | -  | -  | -  | 1  | -         | 1  | 9+ | -  | -  | 8  | 8  | 1  | 9+        | 9+ | 8  | 4* | 9+ | 9+ | 9+ | 9  | 9         | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9         | 9  | 9  | 9  | 9   | 9  | 11 |   |     |
| 12        | -  | -  | 9+ | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | 6  | 5  | -  | 9*        | 9+ | 4  | 6* | 9+ | 9+ | 9+ | 9  | 9         | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9         | 9  | 9  | 9  | 9   | 9  | 12 |   |     |
| 13        | -  | -  | 3  | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | -  | -  | -  | 8         | 9+ | 2  | 3* | 9  | 9  | 9  | 9  | 9         | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9         | 9  | 9  | 9  | 9   | 9  | 13 |   |     |
| 14        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 8  | -  | -  | -  | -  | -  | 2*        | 9+ | 2  | 3* | 9  | 7  | 9  | 9  | 9         | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9         | 9  | 9  | 9  | 9   | 9  | 14 |   |     |
| 15        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 5  | -  | -  | -  | -  | -  | 1*        | 9+ | 3  | 1* | 8  | 4  | 9  | 9  | 9         | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9         | 9  | 9  | 9  | 9   | 9  | 15 |   |     |
| 16        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 5  | -  | -  | -  | -  | -  | 1*        | 9+ | 6  | 1* | 6  | 2  | 9  | 9  | 9         | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9         | 9  | 9  | 9  | 9   | 9  | 16 |   |     |
| 17        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 9  | -  | -  | -  | -  | 1  | 5*        | 9+ | 8  | 6  | 5  | 2  | 9  | 9  | 9         | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9         | 9  | 9  | 9  | 9   | 9  | 17 |   |     |
| 18        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 9+ | 1  | -  | -  | -  | 8  | 8         | 9+ | 9  | 8  | 7  | 1  | 9  | 9+ | 9+        | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9         | 9  | 9  | 9  | 9   | 9  | 18 |   |     |
| 19        | -  | -  | 5  | -  | -  | -  | -  | -         | -  | 9+ | 4  | -  | -  | -  | 9  | 9         | 9+ | 9  | 9  | 9  | 5  | 9  | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 9  | 9  | 9  | 9         | 9  | 9  | 9  | 9   | 9  | 19 |   |     |
| 20        | -  | -  | 9+ | 1  | -  | -  | -  | -         | -  | 9+ | 8  | -  | 1  | -  | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 7  | 9  | 9+ | 9+        | 9+ | 9+ | 9+ | 6  | 9  | 9  | 9+ | 9+        | 9+ | 9+ | 9  | 9   | 9  | 20 |   |     |
| 21        | -  | -  | 9+ | 6  | -  | -  | -  | 7         | 5  | 9+ | 9  | 7  | 8  | -  | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 8  | 9  | 9+ | 9+        | 9+ | 9+ | 9+ | 6  | 9+ | 9  | 9  | 9+        | 9+ | 9+ | 9  | 9   | 9  | 21 |   |     |
| 22        | -  | -  | 9+ | 7  | 2  | 3  | -  | 9         | 6  | 9+ | 9+ | 8  | 8  | 4  | 9+ | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9  | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 9+ | 9  | 9  | 9         | 9  | 9  | 9  | 9   | 9  | 22 |   |     |
| 23        | 7  | -  | 9+ | 9  | 5  | -  | -  | 9         | 6  | 9+ | 9+ | 9  | 7  | 8  | 9+ | 9+        | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+        | 9+ | 9+ | 9+ | 9+ | 9+ | 9  | 9  | 9         | 9  | 9  | 9  | 9   | 9  | 23 |   |     |
|           | EU | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU | FE        | SA | AF | AS | OC | NA | EU | FE | SA        | AF | AS | OC | NA | EU | FE | SA | AF        | AS | OC | NA |     |    |    |   |     |

Jul., Paraguay (Asuncion), for SSN = Ultra High, Sigs in S-Units. By N6BV, ARRL.

| 80 Meters |    |    |    |    |    |    |    | 40 Meters |    |    |    |    |    |    |    | 20 Meters |    |    |    |    |    |    |    | 15 Meters |    |    |    |    |    |    |    | 10 Meters |    |    |    |     |  |  |  |  |
|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|-----|--|--|--|--|
| UTC       | EU | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU | FE        | SA | AF | AS | OC | NA | EU | FE | SA        | AF | AS | OC | NA | EU | FE | SA | AF        | AS | OC | NA | UTC |  |  |  |  |
| 0         | 8  | -  | 9+ | 9  | 5  | -  | 7  | 9         | -  | 9+ | 9+ | 9  | 2  | 9  | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 9+ | 9+ | 9+ | 9+        | 9+ | 8  | 9+ | 9  | 4  | 9+ | 9+ | 9         | 9  | 9  | 9  | 0   |  |  |  |  |
| 1         | 9  | -  | 9+ | 9  | 2  | -  | 8  | 9         | -  | 9+ | 9+ | 8  | -  | 9+ | 9+ | 9         | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 9+ | 9+        | 9+ | 9+ | 9  | 9+ | 9  | 4  | 9+ | 9         | 7  | 9  | 9  | 1   |  |  |  |  |
| 2         | 8  | -  | 9+ | 9  | -  | -  | 8  | 9         | -  | 9+ | 9+ | 8  | -  | 9+ | 9+ | 8         | 9+ | 9+ | 9+ | 9  | 9+ | 9+ | 7  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 5  | 9+ | 9         | 8  | 9+ | 9  | 2   |  |  |  |  |
| 3         | 8  | -  | 9+ | 9  | -  | -  | 9  | 9         | -  | 9+ | 9+ | 7  | -  | 9+ | 9+ | -         | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 5  | 9+ | 8         | 9  | 9+ | 9  | 3   |  |  |  |  |
| 4         | 7  | -  | 9+ | 9  | -  | -  | 9  | 9         | -  | 9+ | 9+ | -  | 7  | 9+ | 9+ | 1         | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 6  | 9+ | 6         | 9  | 9+ | 9  | 4   |  |  |  |  |
| 5         | -  | -  | 9+ | 9  | -  | -  | 9  | 8         | -  | 9+ | 9+ | -  | 8  | 9+ | 9+ | 1         | 9+ | 9+ | 8  | 9+ | 9+ | 9+ | 9  | 9+        | 9+ | 9  | 9+ | 9+ | 9  | 8  | 9+ | 6         | 8  | 9+ | 9  | 5   |  |  |  |  |
| 6         | -  | -  | 9+ | 9  | -  | 6  | 9  | 8         | -  | 9+ | 9+ | -  | 9  | 9+ | 9+ | 1         | 9+ | 9+ | 5  | 9+ | 9+ | 9+ | 9  | 9+        | 9  | 8  | 9+ | 9+ | 9  | 8  | 9  | 6         | 4  | 9+ | 9  | 6   |  |  |  |  |
| 7         | -  | -  | 9+ | 7  | -  | 7  | 9  | -         | -  | 9+ | 9  | -  | 9  | 9+ | 9  | 8         | 9+ | 9+ | -  | 9+ | 9+ | 8  | 9+ | 9         | 6  | 5  | 9+ | 9+ | 9  | 8  | 8  | -         | 1  | 9  | 8  | 7   |  |  |  |  |
| 8         | -  | -  | 9+ | 1  | -  | 7  | 8  | -         | -  | 9+ | 8  | -  | 9  | 9+ | 9  | 9         | 9+ | 9  | -  | 9+ | 9+ | 7  | 9  | 9+        | 5  | 3  | 9+ | 9+ | -  | 6  | 5  | -         | -  | 6  | 6  | 8   |  |  |  |  |
| 9         | -  | -  | 9+ | -  | -  | 6  | 8  | -         | 1  | 9+ | 4  | -  | 9  | 9+ | 8  | 9         | 9+ | 9+ | -  | 9+ | 9+ | 8  | 8  | 7         | 8  | 5  | 8  | 8  | 2  | -  | -  | 4         | 3  | -  | -  | 9   |  |  |  |  |
| 10        | -  | -  | 9+ | -  | -  | 7  | 7  | -         | 4  | 9+ | -  | -  | 9  | 9  | 5  | 9         | 9+ | 9  | 1  | 9+ | 9+ | 9  | 8  | -         | 9+ | 9  | 2* | 6  | 7  | 3  | -  | 8         | 8  | -  | -  | 10  |  |  |  |  |
| 11        | -  | -  | 9+ | -  | -  | -  | 1  | -         | -  | 9+ | -  | -  | 8  | 8  | 1  | 9+        | 9+ | 5  | 1* | 9+ | 9+ | 8  | 9+ | 7         | 9+ | 8  | 8  | 9+ | 7  | 9  | -  | 9+        | 7  | 3* | -  | 11  |  |  |  |  |
| 12        | -  | -  | 9  | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | -  | 4  | -  | 9         | 9+ | 4  | 7* | 9+ | 9+ | 8  | 9+ | 9+        | 9  | 8  | 9+ | 9  | 8  | 9  | 8  | 9         | 7  | 8  | 5  | 12  |  |  |  |  |
| 13        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 9  | -  | -  | -  | -  | -  | 5*        | 9+ | 1  | 2* | 9  | 9  | 9  | 9  | 9+        | 9  | 8  | 9  | 9  | 7  | 9  | 9+ | 9         | 8* | 9+ | 7  | 13  |  |  |  |  |
| 14        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 5  | -  | -  | -  | -  | -  | 1*        | 9+ | 1  | 4* | 6  | 6  | 3  | 8  | 9+        | 7  | 6* | 9  | 9  | 7  | 9  | 9+ | 9         | 7  | 9  | 6  | 14  |  |  |  |  |
| 15        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 2  | -  | -  | -  | -  | -  | -         | 9+ | 1  | -  | 3  | 2  | 4  | 6  | 9+        | 8  | 5* | 9  | 9  | 8  | 9  | 9+ | 9         | 8  | 9  | 6  | 15  |  |  |  |  |
| 16        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 2  | -  | -  | -  | -  | -  | -         | 9+ | 5  | -  | 3  | 2  | 6  | 8  | 9+        | 9  | 6  | 8  | 7  | 8  | 9  | 9+ | 1         | 9  | 9  | 8  | 16  |  |  |  |  |
| 17        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 4  | -  | -  | -  | -  | 2  | 1*        | 9+ | 8  | 3  | 4  | 1  | 8  | 9  | 9+        | 8  | 9  | 8  | 7  | 9  | 9  | 9  | 4         | 9  | 9  | 9  | 17  |  |  |  |  |
| 18        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | -  | -  | 7  | 6*        | 9+ | 9  | 8  | 6  | 1  | 9  | 9+ | 9+        | 9  | 9  | 9  | 8  | 9  | 9+ | 9+ | 9         | 9  | 9  | 9  | 18  |  |  |  |  |
| 19        | -  | -  | 4  | -  | -  | -  | -  | -         | -  | 9+ | 4  | -  | -  | -  | 9  | 9         | 9+ | 9  | 9  | 8  | 5  | 9+ | 9+ | 9+        | 9+ | 9+ | 9  | 9  | 9+ | 9+ | 9+ | 9+        | 9  | 9  | 9  | 19  |  |  |  |  |
| 20        | -  | -  | 9  | -  | -  | -  | -  | -         | -  | 9+ | 8  | -  | -  | -  | 9+ | 9+        | 9+ | 9+ | 9+ | 8  | 7  | 9+ | 9+ | 9+        | 9+ | 9+ | 6  | 9  | 9+ | 9+ | 9+ | 9+        | 9  | 8  | 9  | 20  |  |  |  |  |
| 21        | -  | -  | 9+ | 5  | -  | -  | -  | 7         | 5  | 9+ | 9  | 7  | 7  | -  | 9+ | 9+        | 9+ | 9+ | 9+ | 7  | 9  | 9+ | 9+ | 9+        | 9+ | 9+ | 5  | 9+ | 9  | 9  | 9+ | 9+        | 9+ | 8  | 9  | 21  |  |  |  |  |
| 22        | -  | -  | 9+ | 8  | -  | -  | -  | 9         | 6  | 9+ | 9+ | 8  | 7  | 5  | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 9+ | 9+ | 9+ | 9+        | 9+ | 9  | 7  | 9+ | 9  | 8  | 9+ | 9+        | 9+ | 9  | 9  | 22  |  |  |  |  |
| 23        | 7  | -  | 9+ | 9  | 5  | -  | 1  | 9         | 2  | 9+ | 9+ | 8  | 6  | 8  | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 9+ | 9+ | 9+ | 9+        | 9+ | 9  | 9  | 9  | 9  | 7  | 9+ | 9+        | 9+ | 9  | 9  | 23  |  |  |  |  |
|           | EU | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU | FE        | SA | AF | AS | OC | NA | EU | FE | SA        | AF | AS | OC | NA | EU | FE | SA | AF        | AS | OC | NA |     |  |  |  |  |



**Aug., Paraguay (Asuncion), for SSN = Ultra High, Sigs in S-Units. By N6BV, ARRL.**

| 80 Meters |    |    |    |    |    |    |    | 40 Meters |    |    |    |    |    |    |    | 20 Meters |    |    |    |    |    |    |    | 15 Meters |    |    |    |    |    |    |    | 10 Meters |    |    |    |     |  |  |  |  |
|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|-----|--|--|--|--|
| UTC       | EU | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU | FE        | SA | AF | AS | OC | NA | EU | FE | SA        | AF | AS | OC | NA | EU | FE | SA | AF        | AS | OC | NA | UTC |  |  |  |  |
| 0         | 8  | -  | 9+ | 9  | 5  | -  | 7  | 9         | -  | 9+ | 9+ | 9  | -  | 9  | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 9+ | 9+ | 9+ | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9  | 9+ | 9+        | 9+ | 9  | 9  | 0   |  |  |  |  |
| 1         | 8  | -  | 9+ | 9  | 5  | -  | 8  | 9+        | -  | 9+ | 9+ | 9  | -  | 9+ | 9+ | 9         | 9+ | 9+ | 9+ | 9  | 9+ | 9+ | 9+ | 9+        | 9+ | 9  | 9+ | 9  | 9  | 9+ | 9  | 8         | 9  | 9+ | 1  |     |  |  |  |  |
| 2         | 9  | -  | 9+ | 9  | -  | -  | 9  | 9         | -  | 9+ | 9+ | 8  | -  | 9+ | 9+ | 8         | 9+ | 9+ | 9+ | 9  | 9+ | 9+ | 9  | 9+        | 9+ | 9+ | 9+ | 9  | 9  | 9+ | 9  | 7         | 9+ | 9  | 2  |     |  |  |  |  |
| 3         | 8  | -  | 9+ | 9  | -  | -  | 9  | 9+        | -  | 9+ | 9+ | 7  | -  | 9+ | 9+ | -         | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+        | 9+ | 9+ | 9+ | 9+ | 7  | 9  | 9+ | 8         | 9  | 9+ | 9  | 3   |  |  |  |  |
| 4         | 8  | -  | 9+ | 9  | -  | -  | 9  | 9         | -  | 9+ | 9+ | -  | 8  | 9+ | 9+ | 1         | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+        | 9+ | 9+ | 9+ | 9+ | 2  | 9  | 9+ | 8         | 9  | 9+ | 9+ | 4   |  |  |  |  |
| 5         | -  | -  | 9+ | 9  | -  | -  | 9  | 9         | -  | 9+ | 9+ | -  | 8  | 9+ | 9+ | 1         | 9+ | 9+ | 9  | 9+ | 9+ | 9  | 9  | 9         | 9+ | 9+ | 9+ | 9+ | 1  | 9  | 9+ | 7         | 9  | 9+ | 9  | 5   |  |  |  |  |
| 6         | -  | -  | 9+ | 9  | -  | 7  | 9  | 8         | -  | 9+ | 9+ | -  | 9  | 9+ | 9+ | 5         | 9+ | 9+ | 7  | 9+ | 9+ | 9  | 9  | 9         | 9+ | 9+ | 9+ | 9+ | 4  | 9  | 9  | 9         | 8  | 9+ | 7  | 6   |  |  |  |  |
| 7         | -  | -  | 9+ | 8  | -  | 7  | 9  | -         | -  | 9+ | 9  | -  | 9  | 9+ | 9+ | 9         | 9+ | 9+ | -  | 9+ | 9+ | 9  | 9+ | 9         | 8  | 6  | 9+ | 9+ | 3  | 7  | 7  | 4         | 2  | 9  | 8  | 7   |  |  |  |  |
| 8         | -  | -  | 9+ | 1  | -  | 6  | 9  | -         | -  | 9+ | 8  | -  | 9  | 9+ | 9  | 9+        | 9+ | 9  | -  | 9+ | 9+ | 7  | 9  | 9         | 6  | 4  | 9+ | 9  | -  | 2  | -  | 1         | -  | 6  | 2  | 8   |  |  |  |  |
| 9         | -  | -  | 9+ | -  | -  | 7  | 8  | -         | 6  | 9+ | 5  | -  | 9  | 9  | 8  | 9         | 9+ | 9+ | -  | 9+ | 9+ | 8  | 7  | 5         | 9  | 6  | 8  | 7  | 6  | -  | -  | 4         | 4  | 1  | -  | 9   |  |  |  |  |
| 10        | -  | -  | 9+ | -  | -  | -  | 7  | -         | 6  | 9+ | 1  | -  | 9  | 9  | 5  | 9+        | 9+ | 9  | 4  | 9+ | 9+ | 9  | 8  | 2         | 9+ | 9  | 2* | 8  | 9  | 8  | -  | 9+        | 8  | 2* | -  | 10  |  |  |  |  |
| 11        | -  | -  | 9+ | -  | -  | -  | 1  | -         | -  | 9+ | -  | -  | 8  | 7  | 1  | 9         | 9+ | 8  | 6* | 9+ | 9+ | 8  | 9+ | 9         | 9+ | 8  | 9+ | 9+ | 9  | 9  | -  | 9+        | 8  | 3* | 2  | 11  |  |  |  |  |
| 12        | -  | -  | 6  | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | -  | 2  | -  | 9         | 9+ | 4  | 4* | 9+ | 9+ | 8  | 9  | 9+        | 9  | 8  | 9+ | 9  | 8  | 9  | 9+ | 9         | 7  | 9  | 6  | 12  |  |  |  |  |
| 13        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 7  | -  | -  | -  | -  | -  | 2*        | 9+ | 1  | 1* | 8  | 8  | 9  | 9  | 9+        | 9  | 9  | 9  | 9  | 8  | 9  | 9+ | 8         | 6  | 9  | 8  | 13  |  |  |  |  |
| 14        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 2  | -  | -  | -  | -  | -  | -         | 9+ | -  | -  | 5  | 5  | 4  | 5  | 9+        | 7  | 4* | 6  | 9  | 7  | 9  | 9+ | 9         | 6  | 9  | 8  | 14  |  |  |  |  |
| 15        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 1  | -  | -  | -  | -  | -  | -         | 9+ | 1  | -  | 2  | 2  | 5  | 6  | 9+        | 8  | 5  | 6  | 9  | 8  | 9  | 9+ | 9         | 8  | 9  | 8  | 15  |  |  |  |  |
| 16        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 1  | -  | -  | -  | -  | -  | -         | 9+ | 3  | -  | 3  | 1  | 7  | 7  | 9+        | 9  | 6  | 7  | 9  | 8  | 9  | 9+ | 9         | 8  | 9  | 8  | 16  |  |  |  |  |
| 17        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 2  | -  | -  | -  | -  | 3  | 1*        | 9+ | 7  | -  | 1  |    |    |    |           |    |    |    |    |    |    |    |           |    |    |    |     |  |  |  |  |

Sep., Paraguay (Asuncion), for SSN = Ultra High, Sigs in S-Units. By N6BV, ARRL.

|     | 80 Meters |    |    |    |    |    |    | 40 Meters |    |    |    |    |    |    | 20 Meters |    |    |    |    |    |    | 15 Meters |    |    |    |    |    |    | 10 Meters |    |    |    |    |    |    |     |    |
|-----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----|----|
| UTC | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | UTC |    |
| 0   | 8         | -  | 9+ | 9  | 5  | -  | 8  | 9         | -  | 9+ | 9+ | 9  | -  | 9  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 9+ | 9  | 9+        | 9+ | 9+ | 9+ | 9  | 9  | 9  | 0   |    |
| 1   | 9         | -  | 9+ | 9  | 5  | -  | 9  | 9+        | -  | 9+ | 9+ | 9  | -  | 9+ | 9+        | 9  | 9+ | 9+ | 9+ | 9+ | 9  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 9         | 9+ | 9+ | 9+ | 9+ | 9  | 8  | 1   |    |
| 2   | 9         | -  | 9+ | 8  | -  | -  | 9  | 9         | -  | 9+ | 9+ | 8  | -  | 9+ | 9+        | 8  | 9+ | 9+ | 9+ | 9+ | 9  | 9+        | 9+ | 9  | 9+ | 9+ | 9+ | 9+ | 9         | 9+ | 9+ | 9+ | 8  | 9+ | 8  | 2   |    |
| 3   | 8         | -  | 9+ | 9  | -  | -  | 9  | 9+        | -  | 9+ | 9+ | 7  | 6  | 9+ | 9+        | -  | 9+ | 9+ | 9+ | 9+ | 9+ | 9+        | 9+ | 9  | 9+ | 9+ | 9+ | 9+ | 9+        | 9  | 9  | 9+ | 9  | 9  | 9+ | 8   | 3  |
| 4   | 8         | -  | 9+ | 9  | -  | -  | 9  | 9         | -  | 9+ | 9+ | -  | 8  | 9+ | 9+        | 1  | 9+ | 9+ | 9+ | 9+ | 9+ | 9+        | 9  | 9  | 9+ | 9+ | 9+ | 9+ | 9+        | 9  | 9  | 9+ | 9  | 9  | 9+ | 8   | 4  |
| 5   | 7         | -  | 9+ | 9  | -  | 5  | 9  | 9         | -  | 9+ | 9+ | -  | 8  | 9+ | 9+        | 1  | 9+ | 9+ | 9  | 9  | 9+ | 9+        | 9  | 9  | 9+ | 9+ | 9+ | 9+ | 9         | 9  | 9+ | 9  | 9  | 9+ | 9+ | 8   | 5  |
| 6   | -         | -  | 9+ | 8  | -  | 6  | 9  | 8         | -  | 9+ | 9+ | -  | 9  | 9+ | 9+        | 9  | 9+ | 9+ | 7  | 9+ | 9+ | 9+        | 9+ | 9  | 9+ | 9+ | 9+ | 9  | 9         | 9+ | 9  | 9  | 9  | 9+ | 6  | 6   |    |
| 7   | -         | -  | 9+ | 7  | -  | 7  | 9  | 7         | -  | 9+ | 9+ | -  | 9  | 9+ | 9+        | 9  | 9+ | 9+ | 1  | 9+ | 9+ | 9         | 9+ | 9  | 9  | 9  | 8  | 9+ | 9+        | 5  | 8  | 8  | 6  | 3  | 9+ | 4   | 7  |
| 8   | -         | -  | 9+ | 1  | -  | 6  | 9  | -         | 1  | 9+ | 8  | -  | 9  | 9+ | 9         | 9+ | 9+ | 9+ | 9+ | 2* | 9+ | 9+        | 8  | 9  | 9+ | 9  | 6  | 9+ | 9         | 2  | 3  | 1  | 4  | 1  | 8  | 3   | 8  |
| 9   | -         | -  | 9+ | -  | -  | 7  | 8  | -         | 5  | 9+ | 4  | -  | 9  | 9  | 9         | 9+ | 9+ | 9+ | 9+ | 6  | 9+ | 9+        | 9  | 8  | 6  | 9  | 7  | 9  | 6         | 6  | 7  | -  | 8  | 6  | 3  | -   | 9  |
| 10  | -         | -  | 9+ | -  | -  | -  | 5  | -         | 2  | 9+ | -  | -  | 8  | 9  | 7         | 9+ | 9+ | 9  | 7* | 9+ | 9+ | 9         | 9  | 9  | 9  | 9+ | 9  | 9+ | 9         | 9  | -  | 9+ | 9  | 5  | -  | 10  |    |
| 11  | -         | -  | 9+ | -  | -  | -  | 1  | -         | -  | 9+ | -  | -  | 7  | 7  | 1         | 9  | 9+ | 5  | 5* | 9+ | 9+ | 8         | 9  | 9+ | 9  | 8* | 9+ | 9+ | 9         | 9  | 8  | 9  | 8  | 9+ | 7  | 11  |    |
| 12  | -         | -  | 2  | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | -  | 2  | -         | 8  | 9+ | 2  | 3* | 9  | 9+ | 8         | 9* | 9+ | 9  | 8* | 9+ | 9+ | 8         | 8  | 9  | 9  | 8* | 9+ | 9  | 12  |    |
| 13  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 5  | -  | -  | -  | -  | -         | -  | 9+ | 1  | 3* | 8  | 8  | 4         | 8* | 9+ | 6  | 7* | 9  | 9+ | 7         | 9* | 9  | 9  | 8* | 9  | 9  | 13  |    |
| 14  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 1  | -  | -  | -  | -  | -         | 1* | 9+ | -  | -  | 5  | 4  | 4         | 5* | 9+ | 6  | 2* | 6  | 9  | 7         | 8  | 9  | 9  | 8* | 8  | 9  | 14  |    |
| 15  | -         | -  | -  | -  | -  | -  | -  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 9+ | 1  | -  | 1  | 1  | 4         | 5  | 9+ | 7  | 4  | 5  | 8  | 7         | 8  | 9+ | 9  | 7  | 8  | 8  | 15  |    |
| 16  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 1  | -  | -  | -  | -  | -         | -  | 9+ | 2  | -  | -  | -  | 6         | 6  | 9+ | 8  | 6  | 8  | 8  | 8         | 8  | 9+ | 9  | 8  | 8  | 8  | 16  |    |
| 17  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 1  | -  | -  | -  | -  | 2         | -  | 9+ | 6  | -  | -  | -  | 8         | 7  | 9+ | 9  | 8  | 7  | 7  | 9         | 9  | 9+ | 9+ | 9  | 8  | 9  | 17  |    |
| 18  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 8  | -  | -  | -  | -  | 7         | 2* | 9+ | 9  | 7  | 5  | 1  | 9         | 9  | 9+ | 9  | 9  | 8  | 8  | 9         | 9+ | 9+ | 9+ | 9  | 8  | 9  | 18  |    |
| 19  | -         | -  | 1  | -  | -  | -  | -  | -         | -  | 9+ | 2  | -  | -  | -  | 9         | 8  | 9+ | 9  | 9  | 7  | 5  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9  | 9+        | 9+ | 9+ | 9+ | 9+ | 8  | 9  | 19  |    |
| 20  | -         | -  | 9  | -  | -  | -  | -  | -         | -  | 9+ | 6  | -  | -  | -  | 9         | 9  | 9+ | 9+ | 9  | 9  | 8  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 9+        | 9+ | 9+ | 9+ | 7  | 9+ | 20 |     |    |
| 21  | -         | -  | 9+ | 4  | -  | -  | -  | 7         | -  | 9+ | 9  | 3  | -  | 2  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 9         | 9  | 9+ | 9+ | 9+ | 9+ | 8  | 9+  | 21 |
| 22  | -         | -  | 9+ | 8  | -  | -  | -  | 8         | 5  | 9+ | 9+ | 8  | 5  | 6  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 9+        | 9+ | 9+ | 9+ | 9+ | 9+ | 9  | 9         | 9  | 7  | 9+ | 9+ | 9+ | 8  | 9+  | 22 |
| 23  | 8         | -  | 9+ | 9  | 5  | -  | 5  | 9         | 5  | 9+ | 9+ | 9  | -  | 8  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 9+        | 9+ | 9+ | 9+ | 9+ | 9+ | 9  | 9         | 9  | 7* | 9+ | 9+ | 9+ | 9  | 9+  | 23 |
|     | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA |     |    |

**Oct., Paraguay (Asuncion), for SSN = Ultra High, Sigs in S-Units. By N6BV, ARRL.**

[illegible]

**Nov., Paraguay (Asuncion), for SSN = Ultra High, Sigs in S-Units. By N6BV, ARRL.**

| 80 Meters |    |    |    |    |    |    |    | 40 Meters |    |    |    |    |    |    |    | 20 Meters |    |    |    |    |    |    |    | 15 Meters |    |    |    |    |    |    |    | 10 Meters |    |    |    |     |  |  |  |  |
|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|-----|--|--|--|--|
| UTC       | EU | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU | FE        | SA | AF | AS | OC | NA | EU | FE | SA        | AF | AS | OC | NA | EU | FE | SA | AF        | AS | OC | NA | UTC |  |  |  |  |
| 0         | 8  | -  | 9+ | 9  | 5  | -  | 8  | 9         | 1  | 9+ | 9+ | 9  | -  | 9+ | 9+ | 9+        | 9+ | 9+ | 7  | 9+ | 9+ | 9+ | 9+ | 9+        | 9+ | 9  | 9+ | 9+ | 9+ | 9+ | 9+ | 9         | 9+ | 0  |    |     |  |  |  |  |
| 1         | 8  | -  | 9+ | 9  | 6  | -  | 9  | 9         | -  | 9+ | 9+ | 9  | -  | 9+ | 9+ | 9         | 9+ | 9+ | 8  | 9+ | 9+ | 9+ | 9+ | 9+        | 9  | 9+ | 9+ | 9+ | 9+ | 7  | 9  | 9+        | 1  |    |    |     |  |  |  |  |
| 2         | 8  | -  | 9+ | 8  | 5  | -  | 9  | 9         | -  | 9+ | 9+ | 8  | -  | 9+ | 9+ | 9         | 9+ | 9+ | 9  | 9+ | 9+ | 9  | 9+ | 9+        | -  | 9+ | 9+ | 9+ | 4* | 9+ | 9  | 2         |    |    |    |     |  |  |  |  |
| 3         | 8  | -  | 9+ | 8  | -  | -  | 9  | 9         | -  | 9+ | 9+ | 8  | 7  | 9+ | 9+ | 8         | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9  | 9         | 9+ | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 9         | 3  |    |    |     |  |  |  |  |
| 4         | 8  | -  | 9+ | 8  | -  | -  | 9  | 9         | -  | 9+ | 9+ | 3  | 8  | 9+ | 9+ | 9         | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 4  | 9+        | 9+ | 9+ | 9+ | 9+ | 9+ | 2* | 9  | 9+        | 9+ | 4  |    |     |  |  |  |  |
| 5         | 7  | -  | 9+ | 8  | -  | 6  | 9  | 9         | -  | 9+ | 9+ | -  | 8  | 9+ | 9  | 9         | 9+ | 9+ | 9  | 9+ | 9+ | 3* | 9+ | 9+        | 9+ | 9+ | 9+ | 9+ | 4* | 9  | 9+ | 9         | 9+ | 5  |    |     |  |  |  |  |
| 6         | 5  | -  | 9+ | 8  | -  | 7  | 9  | 9         | -  | 9+ | 9  | -  | 9  | 9+ | 9+ | 9         | 9+ | 9+ | 9  | 9+ | 9+ | 8  | 9+ | 9+        | 9+ | 9+ | 9+ | 9+ | 5* | 9+ | 9+ | 9         | 9+ | 6  |    |     |  |  |  |  |
| 7         | -  | -  | 9+ | 7  | -  | 7  | 9  | 8         | 1  | 9+ | 9  | -  | 9  | 9+ | 9+ | 9+        | 9+ | 9  | 9+ | 9+ | 9+ | 9+ | 9+ | 9+        | 9+ | 9  | 9+ | 9+ | 8  | 9  | 9+ | 9         | 9+ | 7  |    |     |  |  |  |  |
| 8         | -  | -  | 9+ | 2  | -  | 6  | 9  | 5         | 5  | 9+ | 8  | -  | 9  | 9+ | 9+ | 9+        | 9+ | 8  | 9+ | 9+ | 9+ | 9+ | 9+ | 9+        | 9+ | 9  | 8  | 9+ | 9  | 8  | 8  | 9         | 9  | 7  | 8  |     |  |  |  |  |
| 9         | -  | -  | 9+ | -  | -  | -  | 6  | -         | 5  | 9+ | 5  | -  | 8  | 9+ | 9  | 9+        | 9+ | 9+ | 8  | 9+ | 9+ | 9+ | 9* | 9+        | 9+ | 9  | 9+ | 6  | 8  | 8  | 7  | 9         | 8  | 9+ | 9  |     |  |  |  |  |
| 10        | -  | -  | 9+ | -  | -  | -  | 1  | -         | -  | 9+ | -  | -  | 8  | 9  | 8  | 9         | 9+ | 9  | 6  | 9+ | 9+ | 9  | 8* | 9         | 9+ | 9  | 9+ | 9  | 9+ | 8  | 9+ | 9+        | 9  | 9+ | 10 |     |  |  |  |  |
| 11        | -  | -  | 9  | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | -  | 5  | 4  | 8*        | 9+ | 7  | 5* | 9+ | 9+ | 8  | 9* | 9+        | 9+ | 8  | 9+ | 9+ | 9  | 8  | 9+ | 9+        | 9  | 9+ | 11 |     |  |  |  |  |
| 12        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | -  | -  | 2  | 4*        | 9+ | 2  | 4* | 9  | 9  | 9  | 9* | 9+        | 9  | 8  | 9+ | 9+ | 9  | 9* | 9+ | 9         | 8  | 9+ | 12 |     |  |  |  |  |
| 13        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 5  | -  | -  | -  | -  | -  | 2*        | 9+ | -  | 1* | 8  | 7  | 5  | 6* | 9+        | 8  | 4* | 9  | 9+ | 8  | 8  | 9+ | 9         | 7  | 9  | 9+ | 13  |  |  |  |  |
| 14        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 1  | -  | -  | -  | -  | -  | -         | 9+ | -  | -  | 2  | 4  | 4  | 3* | 9+        | 7  | 4* | 9  | 9  | 7  | 8  | 9  | 9         | 6  | 8  | 9  | 14  |  |  |  |  |
| 15        | -  | -  | -  | -  | -  | -  | -  | -         | -  | -  | -  | -  | -  | -  | -  | -         | 9+ | -  | -  | -  | 1  | 1  | 3  | 9+        | 7  | 1  | 8  | 8  | 8  | 8  | 9  | 9         | 7  | 8  | 9  | 15  |  |  |  |  |
| 16        | -  | -  | -  | -  | -  | -  | -  | -         | -  | -  | -  | -  | -  | -  | -  | -         | 9+ | 1  | -  | -  | -  | 4  | 4  | 9+        | 8  | 3  | 5  | 7  | 8  | 8  | 9  | 9         | 8  | 8  | 9  | 16  |  |  |  |  |
| 17        | -  | -  | -  | -  | -  | -  | -  | -         | -  | -  | -  | -  | -  | -  | -  | -         | 9+ | 4  | -  | -  | -  | 8  | 5  | 9+        | 9  | 6  | 5  | 7  | 9  | 9  | 9+ | 9         | 9  | 8  | 9  | 17  |  |  |  |  |
| 18        | -  | -  | -  | -  | -  |    |    |           |    |    |    |    |    |    |    |           |    |    |    |    |    |    |    |           |    |    |    |    |    |    |    |           |    |    |    |     |  |  |  |  |

Dec., Paraguay (Asuncion), for SSN = Ultra High, Sigs in S-Units. By N6BV, ARRL.

| 80 Meters |    |    |    |    |    |    |    | 40 Meters |    |    |    |    |    |    |    | 20 Meters |    |    |    |    |    |    |    | 15 Meters |    |    |    |    |    |    |    | 10 Meters |    |    |    |     |  |  |  |  |
|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|-----|--|--|--|--|
| UTC       | EU | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU | FE        | SA | AF | AS | OC | NA | EU | FE | SA        | AF | AS | OC | NA | EU | FE | SA | AF        | AS | OC | NA | UTC |  |  |  |  |
| 0         | 8  | -  | 9+ | 9  | 5  | -  | 8  | 9         | 2  | 9+ | 9+ | 9  | -  | 9  | 9+ | 9+        | 9+ | 9+ | 9+ | 6  | 9+ | 9+ | 9+ | 9+        | 9+ | 9  | 9+ | 5  | 9+ | 9  | 9+ | 9+        | 9  | 9+ | 9+ | 0   |  |  |  |  |
| 1         | 8  | -  | 9+ | 9  | 6  | -  | 8  | 9         | -  | 9+ | 9+ | 9  | -  | 9+ | 9+ | 9         | 9+ | 9+ | 9+ | 9+ | 8  | 9+ | 9+ | 9+        | 9+ | 9+ | 9+ | 9+ | 2  | 9+ | 9  | 9+        | 8  | 9  | 9+ | 1   |  |  |  |  |
| 2         | 8  | -  | 9+ | 8  | 5  | -  | 9  | 9         | -  | 9+ | 9+ | 9  | -  | 9+ | 9+ | 9         | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 9  | 9+        | 9+ | 9+ | 9+ | -  | 9+ | 8  | 9+ | -         | 9  | 9  | 2  |     |  |  |  |  |
| 3         | 8  | -  | 9+ | 8  | -  | -  | 8  | 9         | -  | 9+ | 9+ | 8  | 8  | 9+ | 9+ | 9         | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+        | 9+ | 9+ | 9+ | -  | 9+ | 8  | 8  | 9         | 9  | 7  | 3  |     |  |  |  |  |
| 4         | 8  | -  | 9+ | 8  | -  | -  | 9  | 9         | -  | 9+ | 9+ | 7  | 8  | 9+ | 9+ | 9         | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+        | 9+ | 9+ | -  | 9+ | 7  | 5* | 9  | 9         | -  | 4  |    |     |  |  |  |  |
| 5         | 8  | -  | 9+ | 8  | -  | 6  | 9  | 9         | -  | 9+ | 9+ | -  | 9  | 9+ | 9  | 9         | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9  | 9         | 9  | 9  | 9  | 2* | 9+ | 9+ | 9+ | 9+        | 9+ | 9  | -  | 5   |  |  |  |  |
| 6         | 6  | -  | 9+ | 7  | -  | 7  | 9  | 9         | 1  | 9+ | 9+ | -  | 9  | 9+ | 9+ | 9+        | 9+ | 9+ | 9  | 9  | 9+ | 9+ | 9  | 9         | 9  | 9  | 9  | -  | 8  | 8  | 9  | 8         | 9  | -  | 6  |     |  |  |  |  |
| 7         | -  | -  | 9+ | 5  | -  | 6  | 8  | 8         | 6  | 9+ | 9  | -  | 9  | 9+ | 9+ | 9+        | 9+ | 9+ | 9  | 9  | 9+ | 9+ | 9  | 9         | 9  | 9  | 9  | 5  | 4  | 7  | 7  | 6         | 8  | -  | 7  |     |  |  |  |  |
| 8         | -  | -  | 9+ | 1  | -  | 6  | 8  | 6         | 6  | 9+ | 8  | -  | 9  | 9+ | 9+ | 9+        | 9+ | 9  | 9  | 9+ | 9+ | 9  | 9  | 9         | 9  | 9  | 9  | 5  | 5  | 6  | 5  | 3         | 8  | -  | 8  |     |  |  |  |  |
| 9         | -  | -  | 9+ | -  | -  | -  | 6  | 3         | 5  | 9+ | 5  | -  | 8  | 9+ | 9  | 9+        | 9+ | 9+ | 8  | 9  | 9+ | 9+ | 9  | 9         | 9  | 4  | 7  | 7  | 2  | 8  | 6  | 8         | -  | 9  |    |     |  |  |  |  |
| 10        | -  | -  | 9+ | -  | -  | -  | 1  | -         | -  | 9+ | -  | -  | 7  | 9  | 8  | 9         | 9+ | 9  | 7  | 9+ | 9+ | 9  | 9  | 9         | 4  | 9  | 8  | 6  | 9  | 9  | 9  | 9         | -  | 10 |    |     |  |  |  |  |
| 11        | -  | -  | 8  | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | -  | 5  | 5  | 7         | 9+ | 8  | 5* | 9  | 9+ | 9  | 9  | 9         | 9  | 9  | 9  | 9  | 8  | 9+ | 9  | 9         | 9  | -  | 11 |     |  |  |  |  |
| 12        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | -  | 1  | 1  | 5*        | 9+ | 3  | 4* | 9  | 9  | 8  | 8  | 9+        | 9  | 9  | 9  | 9  | 9  | 8  | 9+ | 8         | 9  | 9  | 9  | 12  |  |  |  |  |
| 13        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 6  | -  | -  | -  | -  | -  | 2*        | 9+ | 1  | -  | 8  | 7  | 6  | 5* | 9+        | 8  | 5* | 9  | 9+ | 8  | 8  | 9+ | 8         | 9  | 9+ | 13 |     |  |  |  |  |
| 14        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 4  | -  | -  | -  | -  | -  | -         | 9+ | -  | -  | 2  | 2  | 5  | 4* | 9         | 7  | 4* | 9  | 9  | 8  | 8  | 9+ | 8         | 8  | 9  | 14 |     |  |  |  |  |
| 15        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 2  | -  | -  | -  | -  | -  | -         | 9+ | -  | -  | -  | 2  | 6  | 3  | 9         | 7  | 1  | 8  | 8  | 8  | 8  | 9+ | 8         | 7  | 8  | 9  | 15  |  |  |  |  |
| 16        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 1  | -  | -  | -  | -  | -  | -         | 9+ | 1  | -  | -  | 1  | 7  | 4  | 9+        | 8  | 3  | 7  | 8  | 9  | 8  | 9+ | 8         | 8  | 8  | 9  | 16  |  |  |  |  |
| 17        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 2  | -  | -  | -  | -  | -  | -         | 9+ | 3  | -  | -  | -  | 8  | 5  | 9+        | 9  | 7  | 6  | 7  | 9  | 9  | 9+ | 9         | 9  | 8  | 9  | 17  |  |  |  |  |
| 18        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 5  | -  | -  | -  | -  | 3  | -         | 9+ | 8  | -  | -  | 1  | 9  | 7  | 9+        | 9  | 9  | 6  | 8  | 9  | 9  | 9+ | 9         | 9  | 8  | 9  | 18  |  |  |  |  |
| 19        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 8  | -  | -  | -  | -  | 9  | 2*        | 9+ | 9  | 8  | 5  | 6  | 9+ | 9  | 9+        | 9+ | 9  | 9  | 9  | 9  | 9  | 9+ | 9         | 9  | 8  | 9  | 19  |  |  |  |  |
| 20        | -  | -  | 2  | -  | -  | -  | -  | -         | -  | 9+ | 4  | -  | -  | -  | 9  | 9         | 9+ | 9+ | 9  | 8  | 9  | 9+ | 9+ | 9+        | 9+ | 9  | 9  | 9  | 9  | 9  | 9+ | 9+        | 9  | 7  | 9+ | 20  |  |  |  |  |
| 21        | -  | -  | 9  | 1  | -  | -  | -  | -         | -  | 9+ | 8  | -  | -  | 2  | 9+ | 9+        | 9+ | 9+ | 9+ | 8  | 9  | 9+ | 9+ | 9+        | 9+ | 9  | 9  | 9  | 9  | 9  | 9+ | 9+        | 9  | 7  | 9+ | 21  |  |  |  |  |
| 22        | -  | -  | 9+ | 6  | -  | -  | -  | 8         | -  | 9+ | 9  | 8  | -  | 7  | 9+ | 9+        | 9+ | 9+ | 9+ | 8  | 9+ | 9+ | 9+ | 9+        | 9  | 9  | 9  | 9  | 9  | 9  | 9+ | 9+        | 9  | 8  | 9+ | 22  |  |  |  |  |
| 23        | 1  | -  | 9+ | 8  | -  | -  | 6  | 9         | 5  | 9+ | 9+ | 8  | -  | 8  | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 9+ | 9+ | 9+ | 9+        | 9  | 9  | 9  | 8  | 9  | 9+ | 9+ | 9         | 8  | 9  | 23 |     |  |  |  |  |
|           | EU | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU | FE        | SA | AF | AS | OC | NA | EU | FE | SA        | AF | AS | OC | NA | EU | FE | SA | AF        | AS | OC | NA |     |  |  |  |  |

Jan., Paraguay (Asuncion), for SSN = Very High, Sigs in S-Units. By N6BV, ARRL.

|     | 80 Meters |    |    |    |    |    |    | 40 Meters |    |    |    |    |    |    | 20 Meters |    |    |    |    |    |    | 15 Meters |    |    |    |    |    |    | 10 Meters |    |    |    |    |    |    |     |   |
|-----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----|---|
| UTC | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | UTC |   |
| 0   | 8         | -  | 9+ | 9  | 6  | -  | 8  | 9         | 3  | 9+ | 9+ | 9  | -  | 9  | 9+        | 9+ | 9+ | 9+ | 9+ | 8  | 9+ | 6         | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | -         | 9+ | 9+ | 9  | 3  | 9  | 9+ | 0   |   |
| 1   | 8         | -  | 9+ | 9  | 6  | -  | 9  | 9         | -  | 9+ | 9+ | 9  | -  | 9+ | 9+        | 9+ | 9+ | 9+ | 9+ | 8  | 9+ | 3         | 9+ | 9+ | 9+ | 5  | 9  | 9+ | -         | 9+ | 9+ | 8  | -  | 9  | 8  | 1   |   |
| 2   | 9         | -  | 9+ | 8  | 5  | -  | 9  | 9         | -  | 9+ | 9+ | 9  | -  | 9+ | 9+        | 9  | 9+ | 9+ | 9+ | 9  | 9+ | 1         | 9+ | 9+ | 9+ | 2* | 9+ | 9+ | -         | 9+ | 9+ | 8  | 2* | 9  | 5  | 2   |   |
| 3   | 9         | -  | 9+ | 8  | -  | -  | 8  | 9         | -  | 9+ | 9+ | 8  | 7  | 9+ | 9+        | 9  | 9+ | 9+ | 9+ | 9+ | 9+ | 9+        | 9+ | 9+ | 9  | 9+ | 9+ | -  | 9         | 9+ | 5  | 1  | 9  | 6  | 3  |     |   |
| 4   | 8         | -  | 9+ | 8  | -  | -  | 9  | 9         | -  | 9+ | 9+ | 7  | 8  | 9+ | 9+        | 9  | 9+ | 9+ | 9+ | 9+ | 9+ | 9+        | 9+ | 9+ | 9+ | 9+ | 9+ | -  | 9+        | 9+ | 9+ | 9+ | 9+ | 9+ | 4  |     |   |
| 5   | 8         | -  | 9+ | 8  | -  | 7  | 9  | 9         | -  | 9+ | 9+ | -  | 9  | 9+ | 5         | 9  | 9+ | 9+ | 9+ | 9+ | 9+ | 9+        | 1* | 9+ | 9+ | 2  | 9+ | 9+ | 9+        | -  | 8  | 9  | -  | 8  | 9  | 4   | 5 |
| 6   | 7         | -  | 9+ | 7  | -  | 7  | 9  | 9         | -  | 9+ | 9+ | -  | 9  | 9+ | 8         | 9+ | 9+ | 9+ | 9  | 9+ | 9+ | 8         | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | -         | 6  | 9  | 6  | 4  | 9  | -  | 6   |   |
| 7   | -         | -  | 9+ | 7  | -  | 7  | 8  | 8         | 3  | 9+ | 9  | -  | 9  | 9+ | 9+        | 9+ | 9+ | 9  | 9+ | 9+ | 9+ | 8         | 9  | 9+ | 9  | 8  | 9+ | 8  | -         | 1  | 6  | 5  | -  | 8  | -  | 7   |   |
| 8   | -         | -  | 9+ | 2  | -  | 6  | 8  | 6         | 6  | 9+ | 8  | -  | 9  | 9+ | 9+        | 9+ | 9+ | 9  | 9+ | 9+ | 9+ | 8         | 7  | 9+ | 9  | 5  | 9+ | -  | -         | 2  | 1  | -  | -  | 4  | -  | 8   |   |
| 9   | -         | -  | 9+ | -  | -  | 1  | 7  | 3         | 6  | 9+ | 6  | -  | 9  | 9+ | 9         | 9+ | 9+ | 9+ | 9  | 9+ | 9+ | 8         | 8  | 8  | 9  | 7  | 9+ | 1  | -         | 4  | -  | 5  | -  | 3  | -  | 9   |   |
| 10  | -         | -  | 9+ | -  | -  | -  | 2  | -         | 3  | 9+ | 1  | -  | 8  | 9  | 8         | 9  | 9+ | 9  | 8  | 9+ | 9  | 9+        | 8  | 8  | 9+ | 9+ | 9+ | -  | 5         | 8  | -  | 8  | 4  | 8  | -  | 10  |   |
| 11  | -         | -  | 9  | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | -  | 7  | 6         | 7* | 9+ | 8  | 7* | 9+ | 9+ | 9         | 9  | 9  | 9  | 9  | 9+ | 3  | 9+        | 8  | 5  | 9  | 9  | 9  | -  | 11  |   |
| 12  | -         | -  | 2  | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | -  | 2  | 3*        | 5* | 9+ | 6  | 6* | 9  | 9  | 8         | 8  | 9+ | 9  | 8  | 9+ | 9+ | 9         | 9  | 9+ | 8  | 8  | 9  | 8  | 12  |   |
| 13  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 8  | -  | -  | -  | -  | -         | 3* | 9+ | 2  | 2* | 9  | 9  | 9         | 8  | 9+ | 9  | 8  | 9+ | 9+ | 9         | 8  | 9+ | 8  | 6  | 9  | 9  | 13  |   |
| 14  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 6  | -  | -  | -  | -  | -         | -  | 9+ | 1  | 1* | 5  | 5  | 6         | 6  | 9+ | 8  | 6  | 9  | 9  | 9         | 8  | 9+ | 8  | 7  | 9  | 9+ | 14  |   |
| 15  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 4  | -  | -  | -  | -  | -         | -  | 9+ | 1  | -  | 1  | 4  | 7         | 5  | 9+ | 8  | 4  | 8  | 9  | 9         | 8  | 9+ | 8  | 8  | 8  | 9  | 15  |   |
| 16  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 3  | -  | -  | -  | -  | -         | -  | 9+ | 2  | -  | -  | 2  | 8         | 5  | 9+ | 8  | 8  | 8  | 8  | 9         | 8  | 9+ | 9  | 8  | 8  | 9  | 16  |   |
| 17  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 4  | -  | -  | -  | -  | 1         | -  | 9+ | 5  | -  | -  | 1  | 9         | 7  | 9+ | 9  | 8  | 8  | 8  | 9         | 9  | 9+ | 9  | 9  | 9  | 9  | 17  |   |
| 18  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 6  | -  | -  | -  | -  | 5         | 1  | 9+ | 8  | 5  | 2  | 3  | 9         | 9  | 9+ | 9  | 9  | 8  | 9  | 9         | 9  | 9+ | 9  | 9  | 8  | 9  | 18  |   |
| 19  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 9+ | 1  | -  | -  | -  | 9         | 8  | 9+ | 9  | 9  | 3  | 7  | 9+        | 9+ | 9+ | 9+ | 9+ | 8  | 9  | 9         | 9  | 9+ | 9  | 9  | 8  | 9+ | 19  |   |
| 20  | -         | -  | 8  | -  | -  | -  | -  | -         | -  | 9+ | 5  | -  | -  | -  | 9         | 9  | 9+ | 9+ | 9  | 8  | 8  | 9+        | 9+ | 9+ | 9+ | 9+ | 8  | 9+ | 7         | 6  | 9+ | 9+ | 9+ | 8  | 9+ | 20  |   |
| 21  | -         | -  | 9  | 2  | -  | -  | -  | 7         | -  | 9+ | 8  | -  | -  | 3  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 9+        | 9+ | 9+ | 9+ | 9+ | 8  | 9+ | 3         | 1  | 9+ | 9+ | 9+ | 8  | 9+ | 21  |   |
| 22  | -         | -  | 9+ | 5  | -  | -  | -  | 8         | 2  | 9+ | 9  | 8  | -  | 6  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 9         | 9  | 9+ | 9+ | 9+ | 9  | 9+ | 1         | 9  | 9+ | 9+ | 9+ | 8  | 9+ | 22  |   |
| 23  | 8         | -  | 9+ | 8  | -  | -  | 6  | 9         | 6  | 9+ | 9+ | 9  | -  | 8  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 9         | 9  | 9+ | 9+ | 9+ | 9  | 9+ | -         | 9  | 9+ | 9+ | 9  | 8  | 9+ | 23  |   |
|     | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA |     |   |

Feb., Paraguay (Asuncion), for SSN = Very High, Sigs in S-Units. By N6BV, ARRL.

|     | 80 Meters |    |    |    |    |    |    | 40 Meters |    |    |    |    |    |    | 20 Meters |    |    |    |    |    |    | 15 Meters |    |    |    |    |    |    | 10 Meters |    |    |    |    |    |    |     |    |   |
|-----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----|----|---|
| UTC | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | UTC |    |   |
| 0   | 8         | -  | 9+ | 9  | 5  | -  | 7  | 9         | 2  | 9+ | 9+ | 9  | -  | 9  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 9+ | -  | 9         | 9+ | 9+ | 9  | 9  | 9+ | 0  |     |    |   |
| 1   | 9         | -  | 9+ | 9  | 5  | -  | 8  | 9         | -  | 9+ | 9+ | 9  | -  | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 8  | 9+ | 9         | 9+ | 9+ | 9+ | 9  | 9+ | -  | 9+        | 9+ | 9+ | 2  | 9  | 9+ | 1  |     |    |   |
| 2   | 8         | -  | 9+ | 9  | 5  | -  | 9  | 9         | -  | 9+ | 9+ | 9  | -  | 9+ | 9+        | 9  | 9+ | 9+ | 9+ | 9  | 9+ | 9         | 9+ | 9  | 4  | 9+ | 9+ | -  | 9+        | 9+ | 9+ | 4* | 9+ | 9  | 2  |     |    |   |
| 3   | 8         | -  | 9+ | 8  | -  | -  | 8  | 9         | -  | 9+ | 9+ | 8  | 6  | 9+ | 9+        | 8  | 9+ | 9+ | 9+ | 9+ | 9+ | 9+        | 9  | 9  | 9+ | 9+ | 9+ | 9+ | 9+        | -  | 9+ | 9+ | 9  | 5* | 9+ | 9+  | 3  |   |
| 4   | 8         | -  | 9+ | 8  | -  | -  | 9  | 9         | -  | 9+ | 9+ | 7  | 7  | 9+ | 9+        | 9  | 9+ | 9+ | 9+ | 9+ | 9+ | 9+        | 9+ | 4  | 9  | 9+ | 9  | 9+ | 9+        | 9+ | -  | 9  | 9+ | 6  | 9  | 9+  | 9+ | 4 |
| 5   | 7         | -  | 9+ | 8  | -  | 6  | 9  | 9         | -  | 9+ | 9+ | -  | 9  | 9+ | 9         | 9  | 9+ | 9+ | 9  | 9  | 9+ | 9+        | 4* | 9+ | 9+ | 9+ | 9+ | 9+ | 9+        | -  | 9  | 9+ | 6* | 9  | 9+ | 9   | 5  |   |
| 6   | 7         | -  | 9+ | 8  | -  | 6  | 9  | 9         | -  | 9+ | 9  | -  | 9  | 9+ | 9+        | 9  | 9+ | 9+ | 9  | 9  | 9+ | 9+        | 5  | 9+ | 9+ | 9+ | 9+ | 9+ | 9+        | -  | 9  | 9+ | 6  | 9  | 9+ | 6   | 6  |   |
| 7   | -         | -  | 9+ | 7  | -  | 7  | 8  | 8         | -  | 9+ | 9  | -  | 9  | 9+ | 9+        | 9+ | 9  | 9  | 9  | 9+ | 9+ | 9+        | 9+ | 9  | 9+ | 9  | 9+ | 8  | 1         | 7  | 9  | 4  | 3  | 9  | 1  | 7   |    |   |
| 8   | -         | -  | 9+ | 2  | -  | 6  | 8  | 6         | 6  | 9+ | 8  | -  | 9  | 9+ | 9+        | 9+ | 9+ | 8  | 9+ | 9+ | 8  | 9+        | 8  | 9+ | 9+ | 8  | 5  | 9+ | 6         | -  | 2  | 2  | -  | -  | 8  | -   | 8  |   |
| 9   | -         | -  | 9+ | -  | -  | 7  | 8  | -         | 7  | 9+ | 6  | -  | 9  | 9+ | 9         | 9+ | 9+ | 9+ | 8  | 9+ | 9+ | 9         | 8  | 6  | 9+ | 8  | 9+ | 3  | 1         | 3  | -  | 3  | 1  | 5  | -  | 9   | 9  |   |
| 10  | -         | -  | 9+ | -  | -  | -  | 5  | -         | 4  | 9+ | 1  | -  | 8  | 9  | 8         | 9+ | 9+ | 9  | 7  | 9+ | 9+ | 9         | 8  | 5  | 9+ | 9  | 9+ | -  | 8         | 9  | -  | 9  | 9  | 8  | -  | 10  | 10 |   |
| 11  | -         | -  | 9+ | -  | -  | -  | 1  | -         | -  | 9+ | -  | -  | 6  | 7  | 5         | 8* | 9+ | 8  | 8* | 9+ | 9+ | 9         | 8  | 9  | 9+ | 9  | 9+ | 9  | 9         | 9  | 9  | 1  | 9+ | 9  | 9  | -   | 11 |   |
| 12  | -         | -  | 4  | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | -  | 3  | 2         | 5* | 9+ | 4  | 6* | 9  | 9+ | 8         | 9* | 9+ | 9  | 8  | 9+ | 9+ | 9         | 9  | 9  | 9  | 9+ | 9  | 9  | 9   | 12 |   |
| 13  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 8  | -  | -  | -  | -  | 1*        | 5* | 9+ | 1  | 2* | 9  | 9  | 9         | 8  | 9+ | 9  | 8  | 9  | 9+ | 9         | 8  | 9  | 9  | 8  | 9  | 9+ | 13  |    |   |
| 14  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 5  | -  | -  | -  | -  | -         | 1* | 9+ | 1  | 1* | 6  | 6  | 6         | 5* | 9+ | 8  | 4  | 8  | 9  | 8         | 8  | 9  | 9  | 8  | 9  | 9+ | 14  |    |   |
| 15  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 2  | -  | -  | -  | -  | -         | -  | 9+ | 1  | -  | 2  | 4  | 6         | 5  | 9+ | 8  | 4  | 8  | 9  | 8         | 8  | 9+ | 9  | 8  | 9  | 9  | 15  |    |   |
| 16  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 2  | -  | -  | -  | -  | -         | -  | 9+ | 2  | -  | -  | 1  | 7         | 5  | 9+ | 8  | 5  | 8  | 8  | 9         | 8  | 9+ | 9  | 8  | 8  | 9  | 16  |    |   |
| 17  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 2  | -  | -  | -  | -  | -         | -  | 9+ | 5  | -  | -  | 1  | 8         | 7  | 9+ | 9  | 8  | 7  | 8  | 9         | 9  | 9+ | 7  | 9  | 8  | 9  | 17  |    |   |
| 18  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 5  | -  | -  | -  | -  | 5         | 1* | 9+ | 8  | 5  | 3  | 1  | 9         | 8  | 9+ | 9  | 9  | 8  | 8  | 9+        | 9  | 9+ | 7  | 9  | 8  | 9  | 18  |    |   |
| 19  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 9+ | 1  | -  | -  | -  | 9         | 8  | 9+ | 9  | 9  | 5  | 6  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9  | 9+        | 9  | 9+ | 7  | 9  | 8  | 9  | 19  |    |   |
| 20  | -         | -  | 8  | -  | -  | -  | -  | -         | -  | 9+ | 5  | -  | -  | -  | 9         | 9  | 9+ | 9+ | 9  | 8  | 8  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 9         | 9  | 9  | 9+ | 9+ | 8  | 9+ | 20  |    |   |
| 21  | -         | -  | 9+ | 1  | -  | -  | -  | 7         | -  | 9+ | 8  | 2  | -  | 3  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 9         | 9  | 9  | 9+ | 9+ | 8  | 9+ | 21  |    |   |
| 22  | -         | -  | 9+ | 5  | -  | -  | -  | 8         | 5  | 9+ | 9  | 8  | 3  | 6  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 9+ | 9  | 9         | 9  | 9  | 9+ | 9+ | 8  | 9+ | 22  |    |   |
| 23  | 8         | -  | 9+ | 8  | 1  | -  | 5  | 9         | 5  | 9+ | 9+ | 8  | -  | 8  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 9+        | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 7         | 9  | 9+ | 9+ | 9+ | 9  | 9+ | 23  |    |   |
|     | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA |     |    |   |

Mar., Paraguay (Asuncion), for SSN = Very High, Sigs in S-Units. By N6BV, ARRL.

|     | 80 Meters |    |    |    |    |    |    | 40 Meters |    |    |    |    |    |    | 20 Meters |    |    |    |    |    |    | 15 Meters |    |    |    |    |    |    | 10 Meters |    |    |    |    |    |    |     |    |
|-----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----|----|
| UTC | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | UTC |    |
| 0   | 8         | -  | 9+ | 9  | 5  | -  | 7  | 9         | 2  | 9+ | 9+ | 9  | -  | 9  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 9+        | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8         | 8  | 9+ | 9+ | 9+ | 9+ | 9  | 0   |    |
| 1   | 9         | -  | 9+ | 9  | 5  | -  | 8  | 9         | -  | 9+ | 9+ | 9  | -  | 9+ | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 9+        | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8         | 9+ | 9+ | 9+ | 8  | 9  | 8  | 1   |    |
| 2   | 9         | -  | 9+ | 8  | 5  | -  | 9  | 9+        | -  | 9+ | 9+ | 8  | -  | 9+ | 9+        | 9  | 9+ | 9+ | 9+ | 9  | 9+ | 9+        | 9+ | 9+ | 9  | 9+ | 9+ | 6  | 9+        | 9+ | 9+ | 5* | 9+ | 8  | 2  |     |    |
| 3   | 8         | -  | 9+ | 9  | -  | -  | 9  | 9+        | -  | 9+ | 9+ | 7  | 6  | 9+ | 9+        | 5  | 9+ | 9+ | 9+ | 9+ | 9+ | 9+        | 9+ | 9  | 9+ | 9+ | 9+ | 9+ | 2         | 9  | 9+ | 9+ | 9  | 9+ | 9  | 3   |    |
| 4   | 8         | -  | 9+ | 9  | -  | -  | 9  | 9         | -  | 9+ | 9+ | 2  | 8  | 9+ | 9+        | 8  | 9+ | 9+ | 9+ | 9+ | 9+ | 9+        | 9+ | 9+ | 9+ | 9+ | 9+ | -  | 9         | 9+ | 7  | 9+ | 9+ | 9  | 4  |     |    |
| 5   | 7         | -  | 9+ | 8  | -  | 5  | 9  | 9         | -  | 9+ | 9+ | -  | 8  | 9+ | 9+        | 8  | 9+ | 9+ | 9+ | 9  | 9+ | 9+        | 5  | 9  | 9+ | 9+ | 9+ | 9+ | 9+        | -  | 9  | 9+ | 7* | 9  | 9+ | 9   | 5  |
| 6   | -         | -  | 9+ | 8  | -  | 6  | 9  | 9         | -  | 9+ | 9  | -  | 9  | 9+ | 9+        | 9  | 9+ | 9+ | 9+ | 8  | 9+ | 9+        | 8  | 9+ | 9+ | 9+ | 9+ | 9  | 9+        | 1  | 9  | 9+ | 9  | 9  | 9+ | 8   | 6  |
| 7   | -         | -  | 9+ | 7  | -  | 7  | 9  | 8         | -  | 9+ | 9  | -  | 9  | 9+ | 9+        | 9  | 9+ | 9+ | 9+ | 8  | 9+ | 9+        | 9  | 9+ | 9+ | 9  | 8  | 9+ | 9         | 4  | 8  | 8  | 7  | 5  | 9+ | 3   | 7  |
| 8   | -         | -  | 9+ | 1  | -  | 6  | 8  | -         | 2  | 9+ | 8  | -  | 9  | 9+ | 9+        | 9+ | 9+ | 9+ | 7  | 9+ | 9+ | 7         | 9  | 9  | 8  | 6  | 9+ | 7  | -         | 4  | -  | 2  | 1  | 8  | 3  | 8   |    |
| 9   | -         | -  | 9+ | -  | -  | 7  | 8  | -         | 6  | 9+ | 6  | -  | 9  | 9  | 9         | 9+ | 9+ | 9+ | 9+ | 8  | 9+ | 9+        | 8  | 8  | 4  | 9  | 7  | 9+ | 6         | 2  | 1  | -  | 5  | 2  | 4  | -   | 9  |
| 10  | -         | -  | 9+ | -  | -  | -  | 6  | -         | 6  | 9+ | 1  | -  | 9  | 9  | 8         | 9+ | 9+ | 9+ | 9+ | 7* | 9+ | 9+        | 9+ | 9  | 7  | 9+ | 9  | 9+ | 6         | 9  | 9  | -  | 9  | 9  | 3  | -   | 10 |
| 11  | -         | -  | 9+ | -  | -  | -  | 2  | -         | -  | 9+ | -  | -  | 8  | 8  | 5         | 9+ | 9+ | 8  | 9  | 9+ | 9+ | 9         | 9  | 9+ | 9+ | 9  | 9+ | 9+ | 9         | 9  | 9  | -  | 9  | 9  | 9  | -   | 11 |
| 12  | -         | -  | 5  | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | -  | 4  | 1         | 8  | 9+ | 6  | 7* | 9+ | 9+ | 7         | 9* | 9+ | 9  | 8* | 9+ | 9+ | 9         | 9  | 9  | 9+ | 8  | 9+ | 9  | 12  |    |
| 13  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 8  | -  | -  | -  | -  | 1*        | 2* | 9+ | 3  | 5* | 9  | 9  | 9         | 8* | 9+ | 8  | 8  | 9+ | 9+ | 8         | 9  | 9  | 9  | 8  | 9  | 9  | 13  |    |
| 14  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 4  | -  | -  | -  | -  | -         | 2* | 9+ | 1  | 1* | 7  | 6  | 5         | 6* | 9+ | 7  | 5  | 9  | 9  | 8         | 8  | 9  | 9  | 8* | 9  | 9  | 14  |    |
| 15  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 2  | -  | -  | -  | -  | -         | -  | 9+ | 1  | -  | 3  | 4  | 6         | 5  | 9+ | 8  | 3  | 7  | 9  | 8         | 8  | 9+ | 9  | 8  | 9  | 9  | 15  |    |
| 16  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 2  | -  | -  | -  | -  | -         | -  | 9+ | 2  | -  | 1  | 2  | 7         | 5  | 9+ | 8  | 5  | 8  | 8  | 8         | 9  | 9+ | 9  | 8  | 9  | 9  | 16  |    |
| 17  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 2  | -  | -  | -  | -  | -         | -  | 9+ | 4  | -  | -  | 1  | 8         | 7  | 9+ | 9  | 8  | 7  | 8  | 9         | 9  | 9+ | 9  | 9  | 8  | 9  | 17  |    |
| 18  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 4  | -  | -  | -  | -  | 7         | -  | 9+ | 8  | 7  | 2  | 1  | 9         | 8  | 9+ | 9  | 9  | 8  | 8  | 9         | 9  | 9+ | 9+ | 9  | 9  | 9  | 18  |    |
| 19  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 9+ | 1  | -  | -  | -  | 9         | 8  | 9+ | 9  | 9  | 5  | 6  | 9+        | 9  | 9+ | 9+ | 9+ | 9  | 9  | 9+        | 9+ | 9+ | 9+ | 9  | 8  | 9  | 19  |    |
| 20  | -         | -  | 8  | -  | -  | -  | -  | -         | -  | 9+ | 5  | -  | -  | -  | 9         | 9  | 9+ | 9+ | 9  | 8  | 8  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 9+        | 9+ | 9+ | 9+ | 9+ | 8  | 9+ | 20  |    |
| 21  | -         | -  | 9  | 2  | -  | -  | -  | 7         | -  | 9+ | 8  | 3  | -  | 2  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 9         | 9  | 9+ | 9+ | 9+ | 9+ | 8  | 9+  | 21 |
| 22  | -         | -  | 9+ | 6  | -  | -  | -  | 8         | 5  | 9+ | 9  | 8  | 5  | 6  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 9+        | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9         | 9  | 9  | 9+ | 9+ | 9+ | 8  | 9+  | 22 |
| 23  | 7         | -  | 9+ | 8  | 2  | -  | 5  | 9         | 5  | 9+ | 9+ | 8  | -  | 8  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 9+        | 9+ | 9+ | 9+ | 9+ | 9+ | 9  | 9         | 8  | 9+ | 9+ | 9+ | 9+ | 9+ | 9+  | 23 |
|     | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA |     |    |



Apr., Paraguay (Asuncion), for SSN = Very High, Sigs in S-Units. By N6BV, ARRL.

|     | 80 Meters |    |    |    |    |    |    | 40 Meters |    |    |    |    |    |    | 20 Meters |    |    |    |    |    |    | 15 Meters |    |    |    |    |    |    | 10 Meters |    |    |    |    |    |    |     |
|-----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----|
| UTC | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | UTC |
| 0   | 8         | -  | 9+ | 9  | 5  | -  | 7  | 9         | 2  | 9+ | 9+ | 9  | -  | 9  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 9+        | 9+ | 9+ | 9+ | 9+ | 9+ | 9  | 9+        | 9+ | 9+ | 9+ | 9  | 9  | 9  | 0   |
| 1   | 9         | -  | 9+ | 9  | 5  | -  | 8  | 9         | -  | 9+ | 9+ | 9  | -  | 9+ | 9+        | 9  | 9+ | 9+ | 9+ | 9+ | 9  | 9+        | 9+ | 9+ | 9+ | 9+ | 9+ | 9  | 9+        | 9+ | 9+ | 9+ | 9  | 9  | 9  | 1   |
| 2   | 8         | -  | 9+ | 9  | -  | -  | 9  | 9+        | -  | 9+ | 9+ | 8  | -  | 9+ | 9+        | 9  | 9+ | 9+ | 9+ | 9+ | 9  | 9+        | 9+ | 9+ | 9+ | 9+ | 9+ | 9  | 9         | 9+ | 9+ | 6* | 9+ | 9  | 9  | 2   |
| 3   | 8         | -  | 9+ | 9  | -  | -  | 9  | 9+        | -  | 9+ | 9+ | 7  | 5  | 9+ | 9+        | 1  | 9+ | 9+ | 9+ | 9+ | 9  | 9+        | 9+ | 9  | 9+ | 9+ | 9+ | 9  | 8         | 9  | 9+ | 9  | 9+ | 9+ | 9+ | 3   |
| 4   | 8         | -  | 9+ | 9  | -  | -  | 9  | 9         | -  | 9+ | 9+ | 2  | 8  | 9+ | 9+        | 5  | 9+ | 9+ | 9+ | 9+ | 9  | 9+        | 9+ | 9  | 9+ | 9+ | 9+ | 9  | 3         | 9  | 9+ | 8  | 9  | 9+ | 9+ | 4   |
| 5   | 7         | -  | 9+ | 9  | -  | -  | 9  | 9         | -  | 9+ | 9+ | -  | 9  | 9+ | 9+        | 7  | 9+ | 9+ | 9  | 9  | 9+ | 9+        | 9  | 9  | 9+ | 9+ | 9+ | 9  | 1         | 9  | 9+ | 6  | 9  | 9+ | 9  | 5   |
| 6   | -         | -  | 9+ | 8  | -  | 7  | 9  | 8         | -  | 9+ | 9  | -  | 9  | 9+ | 9+        | 9  | 9+ | 9+ | 8  | 9+ | 9+ | 9+        | 9+ | 9  | 9+ | 9+ | 9+ | 2  | 9         | 9+ | 9  | 7  | 9+ | 8  | 6  |     |
| 7   | -         | -  | 9+ | 8  | -  | 7  | 9  | 7         | -  | 9+ | 9  | -  | 9  | 9+ | 9+        | 9  | 9+ | 9+ | 4  | 9+ | 9+ | 8         | 9+ | 9  | 9  | 6  | 9+ | 9+ | 1         | 8  | 8  | 2  | 1  | 9+ | 5  | 7   |
| 8   | -         | -  | 9+ | 1  | -  | 7  | 8  | -         | -  | 9+ | 8  | -  | 9  | 9+ | 9         | 9+ | 9+ | 9  | 5  | 9+ | 9+ | 4         | 9  | 9  | 4  | 3  | 9+ | 9  | -         | 5  | -  | -  | -  | 8  | 4  | 8   |
| 9   | -         | -  | 9+ | -  | -  | 7  | 8  | -         | 6  | 9+ | 5  | -  | 9  | 9  | 9         | 9+ | 9+ | 9+ | 9+ | 6  | 9+ | 9+        | 7  | 8  | 3  | 9  | 7  | 9  | 2         | -  | -  | 4  | 3  | 2  | -  | 9   |
| 10  | -         | -  | 9+ | -  | -  | -  | 6  | -         | 6  | 9+ | 1  | -  | 9  | 9  | 8         | 9+ | 9+ | 9+ | 9  | 9+ | 9+ | 9+        | 9  | 6  | 9+ | 9  | 8  | 9  | 9         | 9  | -  | 9+ | 8  | 4* | -  | 10  |
| 11  | -         | -  | 9+ | -  | -  | -  | 2  | -         | -  | 9+ | -  | -  | 8  | 8  | 4         | 9+ | 9+ | 8  | 9  | 9+ | 9+ | 9         | 9+ | 9+ | 9+ | 8  | 9+ | 9  | 9         | 9  | -  | 9  | 9  | 8  | 6  | 11  |
| 12  | -         | -  | 9  | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | -  | 4  | 1         | 8  | 9+ | 6  | 6* | 9+ | 9+ | 8         | 9  | 9+ | 9  | 8* | 9+ | 9  | 9         | 9  | 9  | 9+ | 8  | 9+ | 9  | 12  |
| 13  | -         | -  | 1  | -  | -  | -  | -  | -         | -  | 9  | -  | -  | -  | -  | -         | 4* | 9+ | 3  | 6* | 9  | 9  | 9         | 9  | 9+ | 8  | 8* | 9  | 9+ | 8         | 9  | 9+ | 9  | 8  | 9+ | 9  | 13  |
| 14  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 6  | -  | -  | -  | -  | -         | 4* | 9+ | 2  | 4* | 8  | 7  | 5         | 7  | 9+ | 8  | 5* | 8  | 9  | 8         | 9  | 9+ | 9  | 8  | 9  | 9  | 14  |
| 15  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 2  | -  | -  | -  | -  | -         | 1* | 9+ | 2  | -  | 5  | 4  | 5         | 6  | 9+ | 8  | 5  | 7  | 9  | 8         | 9  | 9+ | 9  | 8  | 9  | 9  | 15  |
| 16  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 2  | -  | -  | -  | -  | -         | -  | 9+ | 4  | -  | 3  | 2  | 7         | 7  | 9+ | 9  | 7  | 7  | 9  | 9         | 9  | 9+ | 9  | 8  | 9  | 9  | 16  |
| 17  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 3  | -  | -  | -  | -  | 4         | -  | 9+ | 7  | -  | 4  | 1  | 8         | 8  | 9+ | 9  | 8  | 8  | 8  | 9         | 9  | 9+ | 9+ | 9  | 9  | 9  | 17  |
| 18  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 9  | -  | -  | -  | -  | 8         | 2* | 9+ | 9  | 8  | 6  | 2  | 9         | 9  | 9+ | 9+ | 9  | 9  | 9  | 9         | 9+ | 9+ | 9  | 9  | 9  | 9  | 18  |
| 19  | -         | -  | 2  | -  | -  | -  | -  | -         | -  | 9+ | 2  | -  | -  | -  | 9         | 9  | 9+ | 9  | 9  | 8  | 6  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9  | 9+        | 9+ | 9+ | 9+ | 9+ | 8  | 9+ | 19  |
| 20  | -         | -  | 9  | -  | -  | -  | -  | -         | 1* | 9+ | 7  | -  | -  | -  | 9+        | 9  | 9+ | 9+ | 9+ | 9  | 8  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 8  | 9+ | 20  |
| 21  | -         | -  | 9+ | 4  | -  | -  | -  | 7         | 2  | 9+ | 8  | 7  | -  | 2  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9  | 9+        | 9+ | 9+ | 9+ | 9+ | 8  | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 8  | 9+ | 21  |
| 22  | -         | -  | 9+ | 7  | -  | -  | -  | 9         | 5  | 9+ | 9  | 8  | 5  | 6  | 9+        | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+        | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+        | 9  | 9  | 9+ | 9+ | 9  | 9+ | 22  |
| 23  | 7         | -  | 9+ | 9  | 5  | -  | 5  | 9         | 5  | 9+ | 9+ | 9  | 6  | 8  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 9+        | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+        | 9  | 9  | 9+ | 9+ | 9  | 9+ | 23  |
|     | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA |     |

**May, Paraguay (Asuncion), for SSN = Very High, Sigs in S-Units. By N6BV, ARRL.**

[illegible]

**Jun., Paraguay (Asuncion), for SSN = Very High, Sigs in S-Units. By N6BV, ARRL.**

| 80 Meters |    |    |    |    |    |    |    | 40 Meters |    |    |    |    |    |    |    | 20 Meters |    |    |    |    |    |    |    | 15 Meters |    |    |    |    |    |    |    | 10 Meters |    |    |    |     |    |    |  |  |
|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|-----|----|----|--|--|
| UTC       | EU | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU | FE        | SA | AF | AS | OC | NA | EU | FE | SA        | AF | AS | OC | NA | EU | FE | SA | AF        | AS | OC | NA | UTC |    |    |  |  |
| 0         | 9  | -  | 9+ | 9  | 5  | -  | 6  | 9         | 1  | 9+ | 9+ | 9  | 8  | 9+ | 9+ | 9+        | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+        | 9+ | 9  | 9  | 9  | 9  | 9  | 9  | 9         | 9  | 9  | 9  | 0   |    |    |  |  |
| 1         | 8  | -  | 9+ | 9  | 1  | -  | 8  | 9         | -  | 9+ | 9+ | 8  | -  | 9+ | 9+ | 9         | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+        | 9  | 8  | 9+ | 9+ | 9+ | 9  | 9  | 9         | 9  | 9  | 9  | 9   | 1  |    |  |  |
| 2         | 8  | -  | 9+ | 9  | -  | -  | 9  | 9         | -  | 9+ | 9+ | 8  | -  | 9+ | 9+ | 8         | 9+ | 9+ | 9+ | 9  | 9+ | 9+ | 9+ | 9+        | 9  | 7  | 9+ | 9+ | 9+ | 9  | 9  | 9         | 9  | 9  | 9  | 9   | 2  |    |  |  |
| 3         | 8  | -  | 9+ | 9  | -  | -  | 9  | 9         | -  | 9+ | 9+ | 7  | -  | 9+ | 9+ | 1         | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+        | 9  | 8  | 9+ | 9+ | 9+ | 9  | 9  | 9         | 9  | 9  | 9  | 9   | 3  |    |  |  |
| 4         | 1  | -  | 9+ | 9  | -  | -  | 8  | 9         | -  | 9+ | 9+ | -  | 8  | 9+ | 9+ | 1         | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+        | 9  | 8  | 9  | 9  | 9  | 9+ | 9+ | 9         | 9  | 9  | 9  | 9   | 4  |    |  |  |
| 5         | -  | -  | 9+ | 9  | -  | -  | 8  | 8         | -  | 9+ | 9+ | -  | 8  | 9+ | 9+ | 1         | 9+ | 9+ | 9  | 9  | 9+ | 9+ | 9+ | 9+        | 9  | 9  | 9  | 9+ | 9+ | 9  | 9  | 9         | 9  | 9  | 9  | 9   | 5  |    |  |  |
| 6         | -  | -  | 9+ | 9  | -  | 6  | 8  | -         | -  | 9+ | 9+ | -  | 9  | 9+ | 9+ | 5         | 9+ | 9+ | 6  | 9  | 9+ | 9+ | 9  | 9         | 9  | 9+ | 8  | 6  | 9+ | 9  | 9  | 9         | 9  | 9  | 9  | 6   |    |    |  |  |
| 7         | -  | -  | 9+ | 8  | -  | 6  | 9  | -         | -  | 9+ | 9+ | -  | 9  | 9+ | 9  | 8         | 9+ | 9  | -  | 9  | 9+ | 9+ | 9  | 7         | 8  | 9+ | 2  | 4  | 9  | 9  | -  | 3         | 1  | -  | -  | 5   | 5  | 7  |  |  |
| 8         | -  | -  | 9+ | 1  | -  | 7  | 9  | -         | -  | 9+ | 8  | -  | 9  | 9+ | 9  | 9         | 9+ | 9  | 1  | 9  | 9+ | 9+ | 9  | 4         | 8  | 8  | 1  | 2  | 8  | 8  | -  | 1         | -  | -  | -  | -   | 1  | 8  |  |  |
| 9         | -  | -  | 9+ | -  | -  | 7  | 8  | -         | -  | 9+ | 5  | -  | 9  | 9+ | 8  | 9+        | 9+ | 9  | -  | 9  | 9+ | 9+ | 9  | 7         | 5  | 2  | 6  | 5  | 2  | 6  | -  | -         | -  | 1  | 1  | -   | -  | 9  |  |  |
| 10        | -  | -  | 9+ | -  | -  | 7  | 7  | -         | 6  | 9+ | 1  | -  | 9  | 9  | 6  | 9         | 9+ | 9+ | 1  | 9  | 9+ | 9+ | 9  | 8         | 1  | 9+ | 8  | 2* | 3  | 2  | 1  | -         | 7  | 4  | -  | -   | 10 |    |  |  |
| 11        | -  | -  | 9+ | -  | -  | -  | 2  | -         | 1  | 9+ | -  | -  | 9  | 8  | 2  | 9+        | 9+ | 8  | 1  | 9  | 9+ | 9+ | 9  | 9+        | 5  | 9+ | 8  | 7  | 9+ | 6  | 9  | -         | 9+ | 8  | -  | -   | 11 |    |  |  |
| 12        | -  | -  | 9+ | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | 7  | 5  | 1* | 9*        | 9+ | 7  | 6* | 9+ | 9+ | 9  | 8  | 9+        | 9+ | 8  | 7  | 9  | 9  | 7  | 9  | 5         | 9  | 8  | 5  | 1   | 12 |    |  |  |
| 13        | -  | -  | 6  | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | -  | 1  | -  | 8         | 9+ | 4  | 2* | 9  | 9  | 9  | 9  | 9         | 9  | 9+ | 8  | 7  | 9  | 9  | 8  | 9         | 9+ | 9  | 8  | 9+  | 2  | 13 |  |  |
| 14        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 9  | -  | -  | -  | -  | -  | 4*        | 9+ | 4  | 6* | 8  | 7  | 9  | 8  | 9+        | 9  | 7  | 9  | 9  | 8  | 9+ | 9+ | 9         | 8  | 9  | 9+ | 2   | 14 |    |  |  |
| 15        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 7  | -  | -  | -  | -  | -  | 2*        | 9+ | 5  | 5* | 6  | 5  | 9  | 9  | 9+        | 9  | 7  | 9  | 9  | 8  | 9  | 8  | 9         | 8  | 9  | 9+ | 4   | 15 |    |  |  |
| 16        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 6  | -  | -  | -  | -  | -  | 2*        | 9+ | 8  | 2* | 8  | 2  | 9  | 9  | 9+        | 9  | 8  | 9  | 9  | 8  | 9  | 7  | 1         | 9  | 8  | 6  | 16  |    |    |  |  |
| 17        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 7  | -  | -  | -  | -  | 4  | 4*        | 9+ | 9  | 5  | 5  | 2  | 9  | 9  | 9+        | 9  | 9  | 9  | 9  | 9  | 9  | 9+ | 8         | 1  | 9  | 8  | 8   | 17 |    |  |  |
| 18        | -  | -  | 1  | -  | -  | -  | -  | -         | -  | 9+ | 1  | -  | -  | -  | 8  | 9         | 9+ | 9  | 8  | 8  | 3  | 9  | 9+ | 9+        | 9+ | 9+ | 8  | 9  | 9  | 9+ | 9  | 9         | 9  | 9  | 8  | 18  |    |    |  |  |
| 19        | -  | -  | 9  | -  | -  | -  | -  | -         | 1* | 9+ | 6  | -  | -  | -  | 9  | 9         | 9+ | 9  | 9  | 9  | 6  | 9  | 9+ | 9+        | 9+ | 9+ | 9  | 8  | 9  | 9  | 9  | 9         | 9  | 9  | 8  | 19  |    |    |  |  |
| 20        | -  | -  | 9+ | 1  | -  | -  | -  | 5         | 2  | 9+ | 8  | 4  | 5  | -  | 9+ | 9+        | 9+ | 9+ | 9+ | 8  | 8  | 9  | 9+ | 9+        | 9+ | 9+ | 9  | 9  | 9  | 9  | 9  | 9         | 9  | 9  | 7  | 20  |    |    |  |  |
| 21        | -  | -  | 9+ | 6  | -  | -  | -  | 7         | 5  | 9+ | 9  | 7  | 8  | -  | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 9  | 9  | 9+ | 9+        | 9+ | 9+ | 9  | 7  | 9  | 9  | 8  | 5         | 9  | 9  | 9  | 7   | 21 |    |  |  |
| 22        | 6  | -  | 9+ | 8  | 5  | 5  | -  | 9         | 6  | 9+ | 9+ | 8  | 8  | 5  | 9+ | 9+        | 9+ | 9+ | 9+ | 9+ | 9+ | 9  | 9  | 9         | 9+ | 9+ | 9+ | 8  | 9  | 8  | 1  | 9         | 9  | 7  | 9  | 8   | 22 |    |  |  |
| 23        | 7  | -  | 9+ | 9  | 5  | -  | 1  | 9         | 6  | 9+ | 9+ | 9  | 7  | 8  | 9+ | 9+        | 9+ | 9+ | 9+ | 9+ | 9+ | 9  | 9  | 9         | 9+ | 9+ | 9+ | 9  | 9  | 9  | 5  | 2         | 9  | 9  | 7  | 9   | 8  | 23 |  |  |
|           | EU | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU | FE        | SA | AF | AS | OC | NA | EU | FE | SA        | AF | AS | OC | NA | EU | FE | SA | AF        | AS | OC | NA |     |    |    |  |  |

Jul., Paraguay (Asuncion), for SSN = Very High, Sigs in S-Units. By N6BV, ARRL.

|     | 80 Meters |    |    |    |    |    |    | 40 Meters |    |    |    |    |    |    | 20 Meters |    |    |    |    |    |    | 15 Meters |    |    |    |    |    |    | 10 Meters |    |    |    |    |    |    |     |    |   |
|-----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----|----|---|
| UTC | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | UTC |    |   |
| 0   | 8         | -  | 9+ | 9  | 5  | -  | 7  | 9         | 1  | 9+ | 9+ | 9  | 3  | 9+ | 9+        | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 9  | 9  | 9         | 7  | 9  | 8  |    | 0  |    |     |    |   |
| 1   | 8         | -  | 9+ | 9  | 6  | -  | 8  | 9         | -  | 9+ | 9+ | 9  | -  | 9+ | 9+        | 9  | 9+ | 9+ | 9+ | 9  | 9+ | 9+        | 9+ | 8  | 9+ | 9+ | 9  | 9  | 9         | 9  | 8  | 4  | 9  | 7  | 1  |     |    |   |
| 2   | 8         | -  | 9+ | 9  | -  | -  | 9  | 9+        | -  | 9+ | 9+ | 8  | -  | 9+ | 9+        | 7  | 9+ | 9+ | 9+ | 9  | 9+ | 9+        | 9+ | 8  | 9+ | 9+ | 9+ | 9+ | 9+        | 7  | 1  | 9  | 6  | 5  | 9  | 6   | 2  |   |
| 3   | 8         | -  | 9+ | 9  | -  | -  | 9  | 9         | -  | 9+ | 9+ | 7  | -  | 9+ | 9+        | 1  | 9+ | 9+ | 9+ | 9+ | 9+ | 9+        | 9+ | 8  | 9  | 9+ | 9+ | 9+ | 9+        | 9+ | 8  | 1  | 9  | 4  | 6  | 9   | 7  | 3 |
| 4   | 7         | -  | 9+ | 9  | -  | -  | 9  | 9         | -  | 9+ | 9+ | -  | 8  | 9+ | 9+        | 1  | 9+ | 9+ | 9+ | 9+ | 9+ | 9+        | 9  | 9  | 9  | 9  | 9  | 9+ | 9+        | 9+ | -  | 1  | 9  | 4  | 5  | 9   | 6  | 4 |
| 5   | -         | -  | 9+ | 9  | -  | -  | 9  | 8         | -  | 9+ | 9+ | -  | 8  | 9+ | 9+        | 1  | 9+ | 9+ | 9  | 9  | 9+ | 9+        | 9  | 9  | 9  | 9  | 9+ | 9  | 9+        | 9+ | 5  | 6  | 6  | 2  | 3  | 8   | 8  | 5 |
| 6   | -         | -  | 9+ | 9  | -  | 6  | 9  | 7         | -  | 9+ | 9+ | -  | 9  | 9+ | 9+        | 8  | 9+ | 9+ | 7  | 9+ | 9+ | 9+        | 8  | 9  | 9  | 8  | 6  | 9+ | 9+        | 1  | 5  | 1  | 1  | 1  | 8  | 6   | 6  |   |
| 7   | -         | -  | 9+ | 8  | -  | 6  | 9  | -         | -  | 9+ | 9+ | -  | 9  | 9+ | 9+        | 8  | 9+ | 9  | 1  | 9+ | 9+ | 9+        | 5  | 9  | 9+ | 2  | 4  | 9+ | 9         | -  | 4  | 2  | -  | -  | 7  | 5   | 7  |   |
| 8   | -         | -  | 9+ | 1  | -  | 7  | 8  | -         | -  | 9+ | 8  | -  | 9  | 9+ | 9         | 9+ | 9+ | 9  | 1  | 9+ | 9+ | 9+        | 4  | 8  | 9  | 1  | 2  | 8  | 9         | -  | 1  | -  | -  | -  | 3  | 1   | 8  |   |
| 9   | -         | -  | 9+ | -  | -  | 7  | 8  | -         | 2  | 9+ | 5  | -  | 9  | 9+ | 8         | 9+ | 9  | 9+ | -  | 9+ | 9+ | 9+        | 8  | 5  | 1  | 7  | 5  | 2  | 5         | 1  | -  | -  | -  | -  | -  | -   | 9  |   |
| 10  | -         | -  | 9+ | -  | -  | 7  | 7  | -         | 5  | 9+ | 1  | -  | 9  | 9  | 6         | 9  | 9  | 9+ | 2  | 9+ | 9+ | 9         | 8  | -  | 9  | 8  | 1* | -  | 2         | -  | -  | 7  | 4  | -  | -  | -   | 10 |   |
| 11  | -         | -  | 9+ | -  | -  | -  | 1  | -         | 1* | 9+ | -  | -  | 8  | 8  | 2         | 9+ | 9+ | 8  | 1  | 9+ | 9+ | 9         | 9  | -  | 9  | 8  | 4* | 9  | 5         | 9  | -  | 9  | 8  | 4* | -  | -   | 11 |   |
| 12  | -         | -  | 9+ | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | 6  | 5  | 1*        | 9  | 9+ | 6  | 6* | 9+ | 9+ | 9+        | 8  | 9+ | 9+ | 9  | 7  | 9+ | 9+        | 7  | 9  | 2  | 9  | 8  | 2  | 1   | 12 |   |
| 13  | -         | -  | 2  | -  | -  | -  | -  | -         | -  | 9  | -  | -  | -  | 1  | -         | 8  | 9+ | 2  | 3* | 9  | 9  | 9         | 9  | 9  | 9+ | 8  | 7* | 9  | 8         | 9  | 9+ | 9  | 8  | 9  | 1  | 13  |    |   |
| 14  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 7  | -  | -  | -  | -  | -         | 2* | 9+ | 2  | 5* | 7  | 8  | 9         | 8  | 9+ | 8  | 7  | 9  | 9  | 8         | 9  | 9+ | 9  | 8  | 9+ | 2  | 14  |    |   |
| 15  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 5  | -  | -  | -  | -  | -         | 1* | 9+ | 3  | 1* | 4  | 5  | 7         | 8  | 9+ | 9  | 6  | 9  | 9  | 8         | 9  | 8  | 9  | 8  | 9  | 3  | 15  |    |   |
| 16  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 4  | -  | -  | -  | -  | -         | 1* | 9+ | 6  | 1* | 2  | 2  | 8         | 9  | 9+ | 9  | 8  | 9  | 9  | 8         | 9  | 5  | 9  | 9  | 8  | 4  | 16  |    |   |
| 17  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 6  | -  | -  | -  | -  | 3         | 3* | 9+ | 8  | 5  | 4  | 2  | 9         | 9  | 9+ | 9  | 9  | 9  | 9  | 9         | 9  | 9  | 7  | 1  | 9  | 7  | 6   | 17 |   |
| 18  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 9+ | 1  | -  | -  | -  | 8         | 8  | 9+ | 9  | 8  | 6  | 3  | 9         | 9+ | 9+ | 9+ | 9  | 8  | 9  | 9         | 9  | 9  | 9  | 9  | 9  | 6  | 18  |    |   |
| 19  | -         | -  | 5  | -  | -  | -  | -  | -         | -  | 9+ | 5  | -  | -  | -  | 9         | 9  | 9+ | 9  | 9  | 8  | 6  | 9+        | 9+ | 9+ | 9+ | 9+ | 8  | 9  | 9         | 9  | 9+ | 9+ | 9  | 9  | 7  | 19  |    |   |
| 20  | -         | -  | 9+ | 1  | -  | -  | -  | 5         | -  | 9+ | 8  | -  | -  | -  | 9+        | 9+ | 9+ | 9+ | 9+ | 5  | 8  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9  | 9         | 9  | 9  | 9  | 9  | 9  | 8  | 20  |    |   |
| 21  | -         | -  | 9+ | 6  | -  | -  | -  | 7         | 5  | 9+ | 9  | 7  | 7  | 1  | 9+        | 9+ | 9+ | 9+ | 9+ | 5* | 9  | 9+        | 9+ | 9+ | 9+ | 9+ | 7  | 9+ | 9         | 7  | 9  | 9  | 9  | 9  | 9  | 21  |    |   |
| 22  | -         | -  | 9+ | 8  | 2  | -  | -  | 8         | 6  | 9+ | 9+ | 8  | 7  | 6  | 9+        | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+        | 9  | 9  | 9+ | 9+ | 9+ | 7  | 9+        | 9  | 4  | 9  | 9  | 8  | 9  | 9   | 22 |   |
| 23  | 7         | -  | 9+ | 9  | 5  | -  | 1  | 9         | 6  | 9+ | 9+ | 9  | 6  | 8  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 9+        | 8  | 9+ | 9+ | 9+ | 8  | 9+ | 9         | 2  | 9  | 9  | 8  | 9  | 8  | 23  |    |   |
|     | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA |     |    |   |

**Aug., Paraguay (Asuncion), for SSN = Very High, Sigs in S-Units. By N6BV, ARRL.**

| 80 Meters |    |    |    |    |    |    |    | 40 Meters |    |    |    |    |    |    |    | 20 Meters |    |    |    |    |    |    |    | 15 Meters |    |    |    |    |    |    |    | 10 Meters |    |    |    |     |    |  |  |  |
|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|-----|----|--|--|--|
| UTC       | EU | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU | FE        | SA | AF | AS | OC | NA | EU | FE | SA        | AF | AS | OC | NA | EU | FE | SA | AF        | AS | OC | NA | UTC |    |  |  |  |
| 0         | 9  | -  | 9+ | 9  | 5  | -  | 7  | 9         | 1  | 9+ | 9+ | 9  | -  | 9  | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 9+ | 9+ | 9+ | 9+        | 9+ | 9  | 8  | 9+ | 8  | 6  | 9+ | 9         | 8  | 9  | 9  | 0   |    |  |  |  |
| 1         | 9  | -  | 9+ | 9  | 5  | -  | 8  | 9         | -  | 9+ | 9+ | 9  | -  | 9+ | 9+ | 9         | 9+ | 9+ | 9+ | 9  | 9+ | 9+ | 9+ | 9+        | 9  | 9  | 9+ | 8  | 7  | 9+ | 8  | 5         | 9  | 7  | 1  |     |    |  |  |  |
| 2         | 8  | -  | 9+ | 9  | -  | -  | 9  | 9+        | -  | 9+ | 9+ | 8  | -  | 9+ | 9+ | 8         | 9+ | 9+ | 9+ | 9  | 9+ | 9+ | 8  | 9         | 9+ | 9+ | 9  | 9  | 6  | 3  | 9+ | 7         | 1  | 9  | 8  | 2   |    |  |  |  |
| 3         | 8  | -  | 9+ | 9  | -  | -  | 9  | 9+        | -  | 9+ | 9+ | 7  | 6  | 9+ | 9+ | 2         | 9+ | 9+ | 9+ | 9+ | 9  | 9  | 9  | 9+        | 9+ | 9  | 9  | 9  | 2  | 3  | 9+ | 5         | 8  | 9+ | 8  | 3   |    |  |  |  |
| 4         | 8  | -  | 9+ | 9  | -  | -  | 9  | 9         | -  | 9+ | 9+ | -  | 8  | 9+ | 9+ | 1         | 9+ | 9+ | 9+ | 9  | 9+ | 9  | 9  | 9         | 9  | 9  | 9  | 9  | -  | 3  | 9+ | 2         | 9  | 9+ | 8  | 4   |    |  |  |  |
| 5         | -  | -  | 9+ | 9  | -  | 1  | 9  | 9         | -  | 9+ | 9+ | -  | 8  | 9+ | 9+ | 5         | 9+ | 9+ | 9  | 9  | 9+ | 9  | 8  | 9         | 9  | 9  | 9  | 9  | -  | 8  | 9+ | 4         | 8  | 9+ | 7  | 5   |    |  |  |  |
| 6         | -  | -  | 9+ | 9  | -  | 7  | 9  | 8         | -  | 9+ | 9+ | -  | 9  | 9+ | 9+ | 9         | 9+ | 9+ | 8  | 9  | 9+ | 9  | 9  | 9+        | 9  | 9  | 9  | 9  | 4  | 6  | 5  | 5         | 6  | 9  | 2  | 6   |    |  |  |  |
| 7         | -  | -  | 9+ | 8  | -  | 7  | 9  | 6         | -  | 9+ | 9  | -  | 9  | 9+ | 9+ | 9         | 9+ | 9+ | 3  | 9  | 9+ | 9  | 7  | 9         | 9+ | 6  | 5  | 9  | 9  | -  | 4  | 1         | -  | -  | 8  | 4   | 7  |  |  |  |
| 8         | -  | -  | 9+ | 2  | -  | 8  | 8  | -         | -  | 9+ | 8  | -  | 9  | 9+ | 9  | 9+        | 9+ | 9  | 4  | 9  | 9+ | 5  | 8  | 8         | 2  | 1  | 9  | 8  | -  | -  | -  | -         | -  | 4  | -  | 8   |    |  |  |  |
| 9         | -  | -  | 9+ | -  | -  | 7  | 8  | -         | 6  | 9+ | 5  | -  | 9  | 9+ | 9  | 9+        | 9+ | 9+ | 4  | 9  | 9+ | 8  | 4  | -         | 8  | 5  | 5  | 3  | 2  | -  | -  | 4         | 2  | -  | -  | 9   |    |  |  |  |
| 10        | -  | -  | 9+ | -  | -  | 3  | 8  | -         | 6  | 9+ | 1  | -  | 9  | 9  | 7  | 9+        | 9+ | 9  | 5  | 9  | 9+ | 9+ | 7  | -         | 9+ | 9  | 2* | -  | 4  | 2  | -  | 9         | 9  | -  | -  | 10  |    |  |  |  |
| 11        | -  | -  | 9+ | -  | -  | -  | 1  | -         | -  | 9+ | -  | -  | 8  | 7  | 3  | 9+        | 9+ | 8  | 9  | 9+ | 9+ | 9  | 9  | 5         | 9+ | 8  | 9+ | 9  | 7  | 9  | -  | 9         | 8  | 4* | -  | 11  |    |  |  |  |
| 12        | -  | -  | 9  | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | -  | 4  | 1* | 9*        | 9+ | 6  | 7* | 9+ | 9+ | 8  | 9  | 9+        | 9  | 8  | 9+ | 9  | 9  | 9  | 8  | 9         | 8  | 8  | 1  | 12  |    |  |  |  |
| 13        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 9  | -  | -  | -  | -  | -  | 4*        | 9+ | 4  | 2* | 9  | 9  | 9  | 8* | 9+        | 8  | 7  | 9  | 9  | 8  | 9  | 9+ | 9         | 8  | 9+ | 5  | 13  |    |  |  |  |
| 14        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 5  | -  | -  | -  | -  | -  | 1*        | 9+ | 2  | 4* | 7  | 7  | 5  | 5  | 9+        | 8  | 4  | 8  | 9  | 8  | 9  | 9+ | 9         | 8  | 9  | 4  | 14  |    |  |  |  |
| 15        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 2  | -  | -  | -  | -  | -  | -         | 9+ | 2  | -  | 4  | 5  | 6  | 6  | 9+        | 9  | 5  | 7  | 8  | 8  | 9  | 9+ | 9         | 8  | 9  | 6  | 15  |    |  |  |  |
| 16        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 2  | -  | -  | -  | -  | -  | -         | 9+ | 5  | -  | 2  | 2  | 7  | 8  | 9+        | 9  | 7  | 8  | 9  | 9  | 9  | 9  | 9         | 9  | 9  | 8  | 16  |    |  |  |  |
| 17        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 4  | -  | -  | -  | -  | 4  | 2*        | 9+ | 8  | 5  | 5  | 2  | 9  | 9  | 9+        | 9  | 9  | 8  | 9  | 9  | 9  | 9  | 5         | 9  | 9  | 7  | 17  |    |  |  |  |
| 18        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | -  | -  | 8  | 5         | 9+ | 9  | 8  | 6  | 3  | 9  | 9  | 9+        | 9+ | 9  | 9  | 9  | 9  | 9+ | 9+ | 9         | 7  | 9  | 9  | 8   | 18 |  |  |  |
| 19        | -  | -  | 4  | -  | -  | -  | -  | -         | -  | 9+ | 4  | -  | -  | -  | 9  | 9         | 9+ | 9  | 9  | 8  | 6  | 9+ | 9+ | 9+        | 9+ | 9+ | 8  | 9  | 9+ | 9+ | 9+ | 9         | 9  | 9  | 9  | 19  |    |  |  |  |
| 20        | -  | -  | 9  | -  | -  | -  | -  | -         | -  | 9+ | 8  | -  | -  | -  | 9+ | 9+        | 9+ | 9+ | 9+ | 7  | 8  | 9+ | 9+ | 9+        | 9+ | 9  | 9  | 9  | 9  | 9  | 9  | 9         | 9  | 9  | 9  | 20  |    |  |  |  |
| 21        | -  | -  | 9+ | 5  | -  | -  | -  | 7         | 3  | 9+ | 9  | 7  | 6  | 2  | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 9  | 9+ | 9+ | 9+        | 9+ | 9  | 6  | 9+ | 9  | 8  | 9+ | 9         | 9  | 9  | 9  | 21  |    |  |  |  |
| 22        | -  | -  | 9+ | 7  | -  | -  | -  | 9         | 5  | 9+ | 9  | 8  | 5  | 6  | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 9+ | 9+ | 9+ | 9+        | 9  | 7  | 9+ | 9  | 9  | 5  | 9+ | 9         | 9  | 9  | 9  | 22  |    |  |  |  |
| 23        | 7  | -  | 9+ | 8  | 5  | -  | 5  | 9         | 5  | 9+ | 9+ | 9  | 6  | 8  | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 9+ | 9+ | 9  | 9+        | 9+ | 9  | 9  | 9  | 8  | 4  | 9+ | 9         | 9  | 9  | 9  | 23  |    |  |  |  |
|           | EU | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU | FE        | SA | AF | AS | OC | NA | EU | FE | SA        | AF | AS | OC | NA | EU | FE | SA | AF        | AS | OC | NA |     |    |  |  |  |

Sep., Paraguay (Asuncion), for SSN = Very High, Sigs in S-Units. By N6BV, ARRL.

|     | 80 Meters |    |    |    |    |    |    | 40 Meters |    |    |    |    |    |    | 20 Meters |    |    |    |    |    |    | 15 Meters |    |    |    |    |    |    | 10 Meters |    |    |    |    |    |    |     |   |
|-----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----|---|
| UTC | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | UTC |   |
| 0   | 9         | -  | 9+ | 9  | 5  | -  | 8  | 9         | 1  | 9+ | 9+ | 9  | -  | 9  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 9+ | 9+ | 9+        | 9+ | 9  | 9  | 9  | 9  | 9  | 0   |   |
| 1   | 9         | -  | 9+ | 9  | 5  | -  | 9  | 9         | -  | 9+ | 9+ | 9  | -  | 9+ | 9+        | 9  | 9+ | 9+ | 9+ | 9+ | 9  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 9+        | 9+ | 9+ | 8  | 9  | 5  | 1  |     |   |
| 2   | 8         | -  | 9+ | 8  | -  | -  | 9  | 9+        | -  | 9+ | 9+ | 8  | -  | 9+ | 9+        | 8  | 9+ | 9+ | 9+ | 9  | 9+ | 9+        | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+        | 9+ | 9  | 6* | 9+ | 4  | 2  |     |   |
| 3   | 8         | -  | 9+ | 9  | -  | -  | 9  | 9         | -  | 9+ | 9+ | 7  | 6  | 9+ | 9+        | 1  | 9+ | 9+ | 9+ | 9+ | 9  | 9+        | 9  | 9  | 9+ | 9+ | 9+ | 9+ | 9+        | 9  | 9  | 9+ | 8  | 9+ | 9  | 3   |   |
| 4   | 8         | -  | 9+ | 9  | -  | -  | 9  | 9         | -  | 9+ | 9+ | -  | 8  | 9+ | 9+        | 1  | 9+ | 9+ | 9+ | 9+ | 9  | 9+        | 8  | 9  | 9+ | 9+ | 9+ | 9+ | 9+        | 9  | -  | 9  | 9+ | 6* | 9  | 9   | 4 |
| 5   | 7         | -  | 9+ | 8  | -  | 5  | 9  | 9         | -  | 9+ | 9+ | -  | 8  | 9+ | 9+        | 8  | 9+ | 9+ | 9  | 9  | 9+ | 9         | 7  | 9  | 9+ | 9+ | 9+ | 9+ | 9         | -  | 8  | 9+ | 7  | 9+ | 9  | 5   |   |
| 6   | -         | -  | 9+ | 9  | -  | 6  | 9  | 8         | -  | 9+ | 9+ | -  | 9  | 9+ | 9+        | 9  | 9+ | 9+ | 8  | 9  | 9+ | 9         | 9  | 9+ | 9+ | 9  | 9  | 9  | 9         | 1  | 8  | 8  | 8  | 7  | 9+ | 6   |   |
| 7   | -         | -  | 9+ | 8  | -  | 7  | 9  | 7         | -  | 9+ | 9  | -  | 9  | 9+ | 9+        | 9+ | 9+ | 9  | 5  | 9  | 9+ | 8         | 9+ | 9  | 9  | 9  | 6  | 9+ | 9         | -  | 6  | 5  | 2  | -  | 8  | 7   |   |
| 8   | -         | -  | 9+ | 2  | -  | 7  | 9  | -         | 2  | 9+ | 8  | -  | 9  | 9+ | 9+        | 9+ | 9  | 9  | 3* | 9+ | 9+ | 6         | 8  | 9  | 8  | 4  | 9+ | 9  | -         | 1  | -  | 1  | -  | 5  | 1  |     |   |
| 9   | -         | -  | 9+ | -  | -  | 7  | 8  | -         | 7  | 9+ | 5  | -  | 9  | 9  | 9         | 9+ | 9+ | 9+ | 9+ | 7  | 9+ | 9         | 9  | 8  | 2  | 9  | 6  | 8  | 5         | 6  | 4  | -  | 5  | 5  | 1  |     |   |
| 10  | -         | -  | 9+ | -  | -  | -  | 5  | -         | 6  | 9+ | -  | -  | 8  | 9  | 7         | 9+ | 9+ | 9  | 8  | 9  | 9+ | 9         | 9  | 8  | 9+ | 9  | 9  | 6  | 9         | 9  | -  | 9+ | 8  | 4* | -  |     |   |
| 11  | -         | -  | 9+ | -  | -  | -  | 1  | -         | -  | 9+ | -  | -  | 8  | 7  | 4         | 9+ | 9+ | 7  | 9  | 9  | 9+ | 9         | 9  | 9  | 9+ | 8  | 9  | 9+ | 9         | 9  | 9  | 8  | 9+ | 8  | 9  |     |   |
| 12  | -         | -  | 5  | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | -  | 3  | -         | 9  | 9+ | 5  | 7* | 9+ | 9  | 7         | 9* | 9+ | 9  | 8* | 9+ | 9  | 9         | 9  | 9  | 9  | 9  | 8  | 9  |     |   |
| 13  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 7  | -  | -  | -  | -  | -         | 6* | 9+ | 2  | 4* | 9  | 9  | 9         | 7* | 9+ | 8  | 7  | 9  | 9  | 9         | 9  | 9  | 9  | 8  | 9  |    |     |   |
| 14  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 3  | -  | -  | -  | -  | -         | 2* | 9+ | 1  | 2* | 6  | 6  | 5         | 5  | 9+ | 8  | 5* | 6  | 9  | 8         | 9  | 9+ | 8  | 8* | 9  |    |     |   |
| 15  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 1  | -  | -  | -  | -  | -         | -  | 9+ | 1  | -  | 4  | 3  | 6         | 5  | 9+ | 8  | 5  | 6  | 9  | 8         | 9  | 9+ | 9  | 8  | 9  |    |     |   |
| 16  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 1  | -  | -  | -  | -  | -         | -  | 9+ | 4  | -  | 2  | 1  | 8         | 7  | 9+ | 9  | 7  | 7  | 8  | 9         | 9  | 9+ | 9  | 8  | 8  |    |     |   |
| 17  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 2  | -  | -  | -  | -  | 4         | -  | 9+ | 7  | -  | 1  | 2  | 8         | 8  | 9+ | 9  | 8  | 7  | 8  | 9         | 9  | 9+ | 9  | 9  | 9  |    |     |   |
| 18  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 9  | -  | -  | -  | -  | 8         | 2* | 9+ | 9  | 8  | 5  | 2  | 9         | 9  | 9+ | 9+ | 9  | 9  | 9  | 9         | 9  | 9+ | 9  | 9  | 8  |    |     |   |
| 19  | -         | -  | 2  | -  | -  | -  | -  | -         | -  | 9+ | 3  | -  | -  | -  | 9         | 9  | 9+ | 9  | 9  | 8  | 7  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9  | 9+        | 9+ | 9  | 9+ | 9+ | 8  |    |     |   |
| 20  | -         | -  | 9  | -  | -  | -  | -  | -         | -  | 9+ | 7  | -  | -  | -  | 9+        | 9  | 9+ | 9+ | 9+ | 9  | 8  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 9         | 9  | 9+ | 9+ | 9+ | 8  |    |     |   |
| 21  | -         | -  | 9+ | 3  | -  | -  | -  | 7         | 1  | 9+ | 9  | 7  | -  | 3  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9  | 9+        | 9+ | 9+ | 9+ | 9+ | 8  | 9+ | 9         | 9  | 9  | 9+ | 9+ | 9  |    |     |   |
| 22  | -         | -  | 9+ | 7  | -  | -  | -  | 8         | 4  | 9+ | 9+ | 8  | 5  | 7  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 9+        | 9  | 9+ | 9+ | 9+ | 9+ | 9  | 8         | 9  | 9  | 9+ | 9+ | 9  |    |     |   |
| 23  | 8         | -  | 9+ | 9  | 5  | -  | 6  | 9         | 5  | 9+ | 9+ | 9  | -  | 8  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 9+        | 9  | 9+ | 9+ | 9+ | 9+ | 9  | 8         | 6  | 9+ | 9+ | 9+ | 9  |    |     |   |
|     | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA |     |   |

Oct., Paraguay (Asuncion), for SSN = Very High, Sigs in S-Units. By N6BV, ARRL.

|     | 80 Meters |    |    |    |    |    |    | 40 Meters |    |    |    |    |    |    | 20 Meters |    |    |    |    |    |    | 15 Meters |    |    |    |    |    |    | 10 Meters |    |    |    |    |    |    |     |   |
|-----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----|---|
| UTC | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | UTC |   |
| 0   | 8         | -  | 9+ | 9  | 6  | -  | 8  | 9         | 2  | 9+ | 9+ | 9  | -  | 9  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 9+ | 5  | 9+        | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 0   |   |
| 1   | 9         | -  | 9+ | 9  | 5  | -  | 9  | 9         | -  | 9+ | 9+ | 9  | -  | 9+ | 9+        | 9  | 9+ | 9+ | 9+ | 9+ | 8  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 2         | 9+ | 9+ | 9+ | 9+ | 8  | 9+ | 9   | 1 |
| 2   | 8         | -  | 9+ | 9  | 2  | -  | 9  | 9+        | -  | 9+ | 9+ | 8  | -  | 9+ | 9+        | 8  | 9+ | 9+ | 9+ | 9+ | 9  | 9+        | 9+ | 9+ | 9+ | 9+ | 9+ | 1  | 9+        | 9+ | 9+ | 5* | 9+ | 9  | 9  | 2   |   |
| 3   | 8         | -  | 9+ | 9  | -  | -  | 8  | 9         | -  | 9+ | 9+ | 8  | 6  | 9+ | 9+        | 8  | 9+ | 9+ | 9+ | 9+ | 9+ | 9+        | 9  | 9  | 9+ | 9+ | 9+ | 9+ | 1         | 9  | 9+ | 9+ | 9  | 9+ | 9  | 3   |   |
| 4   | 8         | -  | 9+ | 8  | -  | -  | 9  | 9         | -  | 9+ | 9+ | 3  | 8  | 9+ | 9+        | 8  | 9+ | 9+ | 9+ | 9+ | 9+ | 9+        | 5  | 9  | 9+ | 9+ | 9+ | 9+ | 4*        | 9  | 9+ | 8  | 9+ | 9+ | 9+ | 4   |   |
| 5   | 7         | -  | 9+ | 8  | -  | 6  | 9  | 9         | -  | 9+ | 9+ | -  | 9  | 9+ | 9+        | 9  | 9+ | 9+ | 9  | 9  | 9+ | 9+        | 4  | 9+ | 9+ | 9+ | 9+ | 9+ | 9+        | -  | 9  | 9+ | 9  | 9+ | 9+ | 9   | 5 |
| 6   | -         | -  | 9+ | 8  | -  | 7  | 9  | 9         | -  | 9+ | 9+ | -  | 9  | 9+ | 9+        | 9  | 9+ | 9+ | 9+ | 8  | 9+ | 9+        | 9  | 9+ | 9+ | 9  | 9+ | 9+ | 4         | 9  | 9+ | 9+ | 9  | 9+ | 8  | 6   |   |
| 7   | -         | -  | 9+ | 7  | -  | 7  | 8  | 8         | -  | 9+ | 9  | -  | 9  | 9+ | 9+        | 9+ | 9+ | 9+ | 8  | 9+ | 9+ | 9+        | 9+ | 9+ | 2* | 9  | 9+ | 8  | 8         | 9  | 9  | 8  | 7  | 9+ | -  | 7   |   |
| 8   | -         | -  | 9+ | 1  | -  | 6  | 8  | 5         | 6  | 9+ | 8  | -  | 9  | 9+ | 9+        | 9+ | 9+ | 9+ | 8  | 9+ | 9+ | 9         | 9  | 9+ | 9  | 8  | 9+ | 8  | 5         | 7  | 2  | 8  | 6  | 8  | -  | 8   |   |
| 9   | -         | -  | 9+ | -  | -  | 7  | 8  | -         | 6  | 9+ | 5  | -  | 9  | 9+ | 9         | 9+ | 9+ | 9+ | 9+ | 8  | 9+ | 9+        | 9+ | 8  | 8  | 9+ | 9  | 9+ | 8         | 8  | 8  | 3  | 9  | 7  | 7  | -   | 9 |
| 10  | -         | -  | 9+ | -  | -  | -  | 5  | -         | 4  | 9+ | 1  | -  | 8  | 9  | 8         | 9+ | 9+ | 9  | 8* | 9+ | 9+ | 9         | 8  | 9+ | 9+ | 9  | 9+ | 8  | 9         | 9  | 3  | 9+ | 9  | 9  | -  | 10  |   |
| 11  | -         | -  | 9+ | -  | -  | -  | 1  | -         | -  | 9+ | -  | -  | 6  | 7  | 4         | 9  | 9+ | 8  | 7* | 9+ | 9+ | 9         | 9* | 9+ | 9+ | 8* | 9+ | 9+ | 9         | 9  | 9+ | 9  | 9  | 9+ | 4  | 11  |   |
| 12  | -         | -  | 3  | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | -  | 2  | 1         | 9  | 9+ | 5  | 6* | 9  | 9+ | 7         | 8* | 9+ | 9  | 8* | 9+ | 9+ | 9         | 9  | 9+ | 9+ | 8  | 9+ | 9  | 12  |   |
| 13  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 7  | -  | -  | -  | -  | 1*        | 5* | 9+ | 2  | 2* | 8  | 8  | 9         | 8* | 9+ | 9  | 8  | 9+ | 9+ | 8         | 9  | 9+ | 9  | 8  | 9  | 9+ | 13  |   |
| 14  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 4  | -  | -  | -  | -  | -         | 1* | 9+ | 1  | 1* | 7  | 6  | 6         | 5* | 9+ | 8  | 6* | 9  | 9  | 8         | 9  | 9  | 7  | 9  | 9+ | 14 |     |   |
| 15  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 1  | -  | -  | -  | -  | -         | -  | 9+ | 1  | -  | 2  | 3  | 6         | 5  | 9+ | 8  | 4  | 9  | 9  | 8         | 8  | 9+ | 9  | 8  | 9  | 9  | 15  |   |
| 16  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 1  | -  | -  | -  | -  | -         | -  | 9+ | 3  | -  | -  | 2  | 8         | 5  | 9+ | 9  | 6  | 8  | 8  | 9         | 9  | 9+ | 9  | 8  | 9  | 9  | 16  |   |
| 17  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 2  | -  | -  | -  | -  | 1         | -  | 9+ | 6  | -  | -  | 1  | 9         | 7  | 9+ | 9  | 8  | 8  | 8  | 9         | 9  | 9+ | 9+ | 9  | 9  | 9  | 17  |   |
| 18  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 9  | -  | -  | -  | -  | 8         | 2  | 9+ | 9  | 8  | 3  | 4  | 9         | 9  | 9+ | 9+ | 9  | 9  | 9  | 9+        | 9+ | 9+ | 9+ | 9  | 9  | 9  | 18  |   |
| 19  | -         | -  | 1  | -  | -  | -  | -  | -         | -  | 9+ | 2  | -  | -  | -  | 9         | 9  | 9+ | 9  | 9  | 5  | 7  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9  | 9+        | 9+ | 9+ | 9+ | 9  | 9  | 9  | 19  |   |
| 20  | -         | -  | 9  | -  | -  | -  | -  | -         | -  | 9+ | 6  | -  | -  | -  | 9+        | 9  | 9+ | 9+ | 9+ | 8  | 9  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 9+        | 9+ | 9+ | 9+ | 8  | 9+ | 20 |     |   |
| 21  | -         | -  | 9+ | 3  | -  | -  | -  | 7         | -  | 9+ | 9  | 3  | -  | 3  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9  | 9+        | 9+ | 9+ | 9+ | 9+ | 9+ | 9  | 9         | 9  | 9+ | 9+ | 9+ | 8  | 9+ | 21  |   |
| 22  | -         | -  | 9+ | 8  | -  | -  | 2  | 8         | 5  | 9+ | 9+ | 8  | 4  | 7  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 9+        | 9+ | 9+ | 9+ | 9+ | 9+ | 9  | 9         | 9  | 9+ | 9+ | 9+ | 8  | 9+ | 22  |   |
| 23  | 8         | -  | 9+ | 9  | 5  | -  | 6  | 9         | 5  | 9+ | 9+ | 9  | -  | 8  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 9+        | 9+ | 9+ | 9+ | 9+ | 9+ | 8  | 9         | 9+ | 9+ | 9+ | 9  | 9+ | 23 |     |   |
|     | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA |     |   |

**Nov., Paraguay (Asuncion), for SSN = Very High, Sigs in S-Units. By N6BV, ARRL.**

| 80 Meters |    |    |    |    |    |    |    | 40 Meters |    |    |    |    |    |    |    | 20 Meters |    |    |    |    |    |    |    | 15 Meters |    |    |    |    |    |    |    | 10 Meters |    |    |    |     |   |  |  |  |
|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|-----|---|--|--|--|
| UTC       | EU | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU | FE        | SA | AF | AS | OC | NA | EU | FE | SA        | AF | AS | OC | NA | EU | FE | SA | AF        | AS | OC | NA | UTC |   |  |  |  |
| 0         | 8  | -  | 9+ | 9  | 6  | -  | 8  | 9         | 2  | 9+ | 9+ | 9  | -  | 9  | 9+ | 9+        | 9+ | 9+ | 9+ | 8  | 9+ | 9  | 9+ | 9+        | 9+ | 9+ | 9  | 9+ | 9  | 9+ | 9+ | 9+        | 9  | 9+ | 0  |     |   |  |  |  |
| 1         | 9  | -  | 9+ | 9  | 5  | -  | 9  | 9         | -  | 9+ | 9+ | 9  | -  | 9+ | 9+ | 9+        | 9+ | 9+ | 9  | 8  | 9+ | 9  | 9+ | 9+        | 9+ | 9  | 9+ | -  | 9+ | 9+ | 9+ | 9+        | 3* | 9  | 9  | 1   |   |  |  |  |
| 2         | 9  | -  | 9+ | 8  | 5  | -  | 9  | 9         | -  | 9+ | 9+ | 9  | -  | 9+ | 9+ | 9         | 9+ | 9+ | 9+ | 9  | 9  | 9+ | 9  | 9+        | 9+ | 6  | 9+ | 9+ | -  | 9+ | 9+ | 9         | 4* | 9+ | 9  | 2   |   |  |  |  |
| 3         | 8  | -  | 9+ | 8  | -  | -  | 9  | 9         | -  | 9+ | 9+ | 8  | 7  | 9+ | 9+ | 9         | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9  | 9         | 9+ | 9+ | 9+ | 9+ | 9+ | 9  | 9  | 9+        | 9  | 8  | 9+ | 6   | 3 |  |  |  |
| 4         | 8  | -  | 9+ | 8  | -  | -  | 9  | 9         | -  | 9+ | 9+ | 7  | 8  | 9+ | 9+ | 9         | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9  | 9+ | 9         | 7  | 9+ | 9+ | 8   | 4 |  |  |  |
| 5         | 8  | -  | 9+ | 8  | -  | 6  | 9  | 9         | -  | 9+ | 9+ | -  | 9  | 9+ | 9  | 9         | 9+ | 9+ | 9  | 9  | 9+ | 9+ | 9  | 9+        | 9+ | 9+ | 9+ | 9  | 9  | 9+ | 9  | 9         | 9  | 9+ | 8  | 5   |   |  |  |  |
| 6         | 6  | -  | 9+ | 8  | -  | 7  | 9  | 9         | -  | 9+ | 9  | -  | 9  | 9+ | 9+ | 9+        | 9+ | 9+ | 9  | 9  | 9+ | 9+ | 6  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9  | 9+ | 9         | 9  | 9+ | 8  | 6   |   |  |  |  |
| 7         | -  | -  | 9+ | 7  | -  | 7  | 9  | 8         | 2  | 9+ | 9  | -  | 9  | 9+ | 9+ | 9+        | 9+ | 9+ | 8  | 9+ | 9+ | 9+ | 9+ | 9+        | 9  | 9+ | 9  | 8  | 7  | 8  | 9  | 8         | 8  | 9+ | -  | 7   |   |  |  |  |
| 8         | -  | -  | 9+ | 1  | -  | 6  | 8  | 6         | 6  | 9+ | 8  | -  | 9  | 9+ | 9+ | 9+        | 9+ | 9+ | 8  | 9+ | 9+ | 9  | 9+ | 9         | 9  | 8  | 9+ | 5  | 4  | 6  | 5  | 8         | 6  | 9  | -  | 8   |   |  |  |  |
| 9         | -  | -  | 9+ | -  | -  | -  | 7  | -         | 6  | 9+ | 5  | -  | 8  | 9+ | 9  | 9+        | 9+ | 9+ | 9+ | 8  | 9+ | 9+ | 9  | 8         | 9  | 9+ | 9  | 9+ | 4  | 8  | 8  | 4         | 8  | 8  | 8  | -   | 9 |  |  |  |
| 10        | -  | -  | 9+ | -  | -  | -  | 1  | -         | 2  | 9+ | 1  | -  | 7  | 9  | 8  | 9+        | 9+ | 9  | 9  | 8* | 9+ | 9+ | 9+ | 8         | 9  | 9+ | 9  | 2  | 9  | 9  | 8  | 9+        | 9  | 9  | -  | 10  |   |  |  |  |
| 11        | -  | -  | 9  | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | -  | 6  | 5  | 8*        | 9+ | 8  | 8* | 9+ | 9+ | 9  | 9* | 9+        | 9+ | 9  | 9+ | 9+ | 9  | 9  | 9  | 9         | 9  | 9  | -  | 11  |   |  |  |  |
| 12        | -  | -  | 2  | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | -  | 1  | 2* | 5*        | 9+ | 4  | 5* | 9  | 9+ | 8  | 9* | 9+        | 9  | 8  | 9+ | 9+ | 9  | 9  | 9+ | 9         | 8  | 9  | 9  | 12  |   |  |  |  |
| 13        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 8  | -  | -  | -  | -  | 1* | 4*        | 9+ | 2  | 2* | 9  | 8  | 9  | 7* | 9+        | 9  | 9  | 9+ | 9+ | 9  | 9  | 9+ | 9         | 8  | 9  | 9+ | 13  |   |  |  |  |
| 14        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 5  | -  | -  | -  | -  | -  | 1*        | 9+ | 1  | 1* | 5  | 6  | 6  | 4  | 9+        | 8  | 4* | 9  | 9  | 8  | 8  | 9  | 9         | 8  | 9  | 9+ | 14  |   |  |  |  |
| 15        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 2  | -  | -  | -  | -  | -  | -         | 9+ | 1  | -  | 1  | 2  | 6  | 4  | 9+        | 8  | 4  | 9  | 9  | 8  | 8  | 9  | 9         | 8  | 9  | 9  | 15  |   |  |  |  |
| 16        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 1  | -  | -  | -  | -  | -  | -         | 9+ | 2  | -  | -  | -  | 8  | 5  | 9+        | 8  | 6  | 8  | 8  | 9  | 9  | 9  | 9         | 8  | 9  | 9  | 16  |   |  |  |  |
| 17        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 4  | -  | -  | -  | -  | 1  | -         | 9+ | 5  | -  | -  | 1  | 9  | 7  | 9+        | 9  | 8  | 7  | 8  | 9  | 9  | 9+ | 9         | 9  | 8  | 9  | 17  |   |  |  |  |
| 18        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 6  | -  | -  | -  | -  | 5  | 1         | 9+ | 8  | 5  | 4  | 3  | 9  | 9  | 9+        | 9+ | 9  | 9  | 8  | 9+ | 9  | 9+ | 9+        | 9  | 9  | 9  | 18  |   |  |  |  |
| 19        | -  | -  | 1  | -  | -  | -  | -  | -         | -  | 8  | 1  | -  | -  | -  | 9  | 8         | 9+ | 9  | 9  | 5  | 7  | 9+ | 9+ | 9+        | 9+ | 9+ | 9  | 9+ | 9+ | 9+ | 9+ | 9         | 8  | 9+ | 19 |     |   |  |  |  |
| 20        | -  | -  | 8  | -  | -  | -  | -  | -         | -  | 9+ | 5  | -  | -  | -  | 9  | 9         | 9+ | 9+ | 9  | 8  | 8  | 9+ | 9+ | 9+        | 9+ | 9+ | 9  | 9+ | 9  | 9+ | 9+ | 9+        | 9  | 8  | 9+ | 20  |   |  |  |  |
| 21        | -  | -  | 9+ | 2  | -  | -  | -  | 7         | -  | 9+ | 9  | 2  | -  | 3  | 9+ | 9+        | 9+ | 9+ | 9+ | 8  | 9+ | 9+ | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 8  | 9  | 9+ | 9+        | 9+ | 8  | 9+ | 21  |   |  |  |  |
| 22        | -  | -  | 9+ | 7  | -  | -  | -  | 8         | 1  | 9+ | 9+ | 8  | -  | 6  | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 9+ | 9+ | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 7  | 9  | 9+ | 9+        | 9+ | 8  | 9+ | 22  |   |  |  |  |
| 23        | 8  | -  | 9+ | 9  | 1  | -  | 6  | 9         | 5  | 9+ | 9+ | 9  | -  | 8  | 9+ | 9+        | 9+ | 9+ | 9+ | 8  | 9+ | 9+ | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 5  | 9  | 9+ | 9+        | 9+ | 9  | 9+ | 23  |   |  |  |  |
|           | EU | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU | FE        | SA | AF | AS | OC | NA | EU | FE | SA        | AF | AS | OC | NA | EU | FE | SA | AF        | AS | OC | NA |     |   |  |  |  |



Dec., Paraguay (Asuncion), for SSN = Very High, Sigs in S-Units. By N6BV, ARRL.

| 80 Meters |    |    |    |    |    |    |    | 40 Meters |    |    |    |    |    |    |    | 20 Meters |    |    |    |    |    |    |    | 15 Meters |    |    |    |    |    |    |    | 10 Meters |    |    |    |     |    |  |  |  |
|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|-----|----|--|--|--|
| UTC       | EU | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU | FE        | SA | AF | AS | OC | NA | EU | FE | SA        | AF | AS | OC | NA | EU | FE | SA | AF        | AS | OC | NA | UTC |    |  |  |  |
| 0         | 8  | -  | 9+ | 9  | 5  | -  | 8  | 9         | 2  | 9+ | 9+ | 9  | -  | 9  | 9+ | 9+        | 9+ | 9+ | 9+ | 6  | 9+ | 9  | 9+ | 9+        | 9+ | 9+ | 9  | 9+ | -  | 9  | 9+ | 9+        | 9+ | 9  | 9+ | 0   |    |  |  |  |
| 1         | 8  | -  | 9+ | 9  | 6  | -  | 9  | 9         | -  | 9+ | 9+ | 9  | -  | 9+ | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 9+ | 9  | 9+ | 9+        | 9+ | 9+ | 9  | 9+ | -  | 9+ | 9  | 9+        | 5  | 9  | 8  | 1   |    |  |  |  |
| 2         | 8  | -  | 9+ | 8  | 5  | -  | 8  | 9         | -  | 9+ | 9+ | 9  | -  | 9+ | 9+ | 9         | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8  | 9+        | 9+ | 9+ | 3* | 9+ | 9+ | -  | 9+ | 6         | 8  | -  | 8  | 6   | 2  |  |  |  |
| 3         | 8  | -  | 9+ | 8  | -  | -  | 8  | 9         | -  | 9+ | 9+ | 8  | 7  | 9+ | 9+ | 9         | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 5  | 9+        | 9+ | 9+ | 9+ | 9+ | 9+ | -  | 9+ | 7         | 4  | 7  | 8  | -   | 3  |  |  |  |
| 4         | 8  | -  | 9+ | 8  | -  | -  | 9  | 9         | -  | 9+ | 9+ | 6  | 8  | 9+ | 9+ | 9         | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 2  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | -  | 9  | 5         | -  | 8  | 9  | -   | 4  |  |  |  |
| 5         | 8  | -  | 9+ | 8  | -  | 6  | 9  | 9         | -  | 9+ | 9+ | -  | 9  | 9+ | 9  | 9+        | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 4* | 9+        | 9+ | 9+ | 9+ | 9+ | 8  | -  | 7  | 8         | 5  | 7  | 9  | -   | 5  |  |  |  |
| 6         | 7  | -  | 9+ | 7  | -  | 7  | 9  | 9         | 2  | 9+ | 9  | -  | 9  | 9+ | 9  | 9+        | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 2* | 9+        | 9+ | 9+ | 9  | 9+ | 7  | -  | 5  | 2         | 5  | 2  | 8  | -   | 6  |  |  |  |
| 7         | 5  | -  | 9+ | 6  | -  | 7  | 8  | 8         | 6  | 9+ | 9  | -  | 9  | 9+ | 9+ | 9+        | 9+ | 9+ | 9  | 9+ | 9+ | 9+ | 8  | 9         | 9+ | 9  | 9  | 9+ | 8  | 1  | 1  | 1         | 1  | -  | 5  | -   | 7  |  |  |  |
| 8         | -  | -  | 9+ | 1  | -  | 6  | 8  | 6         | 6  | 9+ | 8  | -  | 9  | 9+ | 9+ | 9+        | 9+ | 9  | 9+ | 9+ | 9+ | 9  | 8  | 9         | 9  | 9  | 8  | 9+ | 7  | 1  | 2  | -         | 1  | -  | 4  | -   | 8  |  |  |  |
| 9         | -  | -  | 9+ | -  | -  | -  | 6  | 3         | 6  | 9+ | 5  | -  | 8  | 9  | 9  | 9+        | 9+ | 9+ | 9+ | 9  | 9+ | 9+ | 9  | 8         | 8  | 9  | 8  | 9+ | 1  | 3  | 7  | -         | 6  | 5  | 4  | -   | 9  |  |  |  |
| 10        | -  | -  | 9+ | -  | -  | -  | 1  | -         | 2  | 9+ | 1  | -  | 7  | 9  | 8  | 9+        | 9+ | 9  | 8  | 9+ | 9+ | 9+ | 8  | 9+        | 9  | 9+ | 9  | -  | 8  | 8  | -  | 8         | 8  | 9  | -  | 10  |    |  |  |  |
| 11        | -  | -  | 9  | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | -  | 6  | 6  | 8         | 9+ | 8  | 6  | 9+ | 9+ | 9  | 8  | 9+        | 9  | 9  | 9+ | 9  | 9  | 8  | 8  | 9         | 9  | 9  | 9  | -   | 11 |  |  |  |
| 12        | -  | -  | 1  | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | -  | 1  | 2  | 5*        | 9+ | 5  | 5* | 9  | 9+ | 8  | 7* | 9+        | 9  | 8  | 9+ | 9+ | 9  | 8  | 8  | 9         | 8  | 7  | 9  | 9   | 12 |  |  |  |
| 13        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 8  | -  | -  | -  | -  | -  | 2*        | 9+ | 1  | 2* | 8  | 8  | 9  | 7  | 9+        | 9  | 6  | 9  | 9+ | 8  | 8  | 9+ | 8         | 7  | 9  | 9+ | 13  |    |  |  |  |
| 14        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 5  | -  | -  | -  | -  | -  | -         | 9+ | 1  | -  | 4  | 6  | 6  | 5  | 9         | 8  | 6  | 9  | 9  | 8  | 8  | 9+ | 8         | 7  | 8  | 9+ | 14  |    |  |  |  |
| 15        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 3  | -  | -  | -  | -  | -  | -         | 9+ | 1  | -  | 2  | 4  | 7  | 4  | 9+        | 8  | 4  | 9  | 9  | 9  | 8  | 9+ | 8         | 8  | 8  | 9  | 15  |    |  |  |  |
| 16        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 3  | -  | -  | -  | -  | -  | -         | 9+ | 2  | -  | -  | 2  | 8  | 5  | 9+        | 9  | 6  | 8  | 9  | 9  | 8  | 9+ | 9         | 8  | 8  | 9  | 16  |    |  |  |  |
| 17        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 4  | -  | -  | -  | -  | 1  | -         | 9+ | 5  | -  | -  | 1  | 9  | 6  | 9+        | 9  | 9  | 7  | 8  | 9  | 9  | 9+ | 9         | 9  | 9  | 9  | 17  |    |  |  |  |
| 18        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 6  | -  | -  | -  | -  | 5  | 1         | 9+ | 8  | 5  | 3  | 2  | 9  | 9  | 9+        | 9  | 9  | 8  | 9  | 9  | 9  | 9+ | 9         | 9  | 8  | 9  | 18  |    |  |  |  |
| 19        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 8  | 1  | -  | -  | -  | 9  | 5         | 9+ | 9  | 9  | 5  | 7  | 9+ | 9+ | 9+        | 9+ | 9+ | 8  | 9+ | 9  | 9  | 9+ | 9+        | 9  | 8  | 9  | 19  |    |  |  |  |
| 20        | -  | -  | 4  | -  | -  | -  | -  | -         | -  | 9+ | 4  | -  | -  | -  | 9  | 9         | 9+ | 9+ | 9  | 8  | 9  | 9+ | 9+ | 9+        | 9+ | 9+ | 9  | 9+ | 7  | 7  | 9+ | 9+        | 9+ | 8  | 9+ | 20  |    |  |  |  |
| 21        | -  | -  | 9  | 1  | -  | -  | -  | 7         | -  | 9+ | 8  | -  | -  | 3  | 9+ | 9+        | 9+ | 9+ | 9+ | 8  | 9+ | 9+ | 9+ | 9+        | 9+ | 9+ | 8  | 9+ | 6  | 6  | 9+ | 9+        | 9+ | 8  | 9+ | 21  |    |  |  |  |
| 22        | -  | -  | 9+ | 5  | -  | -  | -  | 8         | 1  | 9+ | 9  | 8  | -  | 7  | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 9+ | 9+ | 9+ | 9+        | 9+ | 9+ | 9  | 9+ | 5  | 9  | 9+ | 9+        | 9+ | 8  | 9+ | 22  |    |  |  |  |
| 23        | 1  | -  | 9+ | 8  | -  | -  | 6  | 9         | 5  | 9+ | 9+ | 8  | -  | 8  | 9+ | 9+        | 9+ | 9+ | 9+ | 8  | 9+ | 9+ | 9+ | 9+        | 9+ | 9+ | 9  | 9+ | 2  | 9+ | 9+ | 9+        | 9+ | 8  | 9+ | 23  |    |  |  |  |
|           | EU | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU | FE        | SA | AF | AS | OC | NA | EU | FE | SA        | AF | AS | OC | NA | EU | FE | SA | AF        | AS | OC | NA |     |    |  |  |  |

Jan., Paraguay (Asuncion), for SSN = High, Sigs in S-Units. By N6BV, ARRL.

|     | 80 Meters |    |    |    |    |    |    | 40 Meters |    |    |    |    |    |    | 20 Meters |    |    |    |    |    |    | 15 Meters |    |    |    |    |    |    | 10 Meters |    |    |    |    |    |    |     |   |
|-----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----|---|
| UTC | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | UTC |   |
| 0   | 8         | -  | 9+ | 9  | 6  | -  | 8  | 9         | 6  | 9+ | 9+ | 9  | -  | 9  | 9+        | 9+ | 9+ | 9+ | 9+ | 8  | 9+ | 5         | 9+ | 9+ | 9+ | 8  | 9+ | 9+ | -         | 9  | 9+ | 7  | -  | 9  | 9  | 0   |   |
| 1   | 9         | -  | 9+ | 9  | 6  | -  | 8  | 9         | -  | 9+ | 9+ | 9  | -  | 9+ | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 3         | 9+ | 9+ | 9+ | 1  | 9  | 9+ | -         | 9  | 9+ | 3  | -  | 9  | 8  | 1   |   |
| 2   | 9         | -  | 9+ | 8  | 5  | -  | 9  | 9         | -  | 9+ | 9+ | 9  | -  | 9+ | 9+        | 9  | 9+ | 9  | 9  | 9+ | 9+ | 2         | 9+ | 9+ | 9+ | 1* | 9+ | 9+ | -         | 9  | 9  | 1  | -  | 8  | 4  | 2   |   |
| 3   | 9         | -  | 9+ | 8  | -  | -  | 9  | 9+        | -  | 9+ | 9+ | 8  | 7  | 9+ | 9+        | 9  | 9+ | 9+ | 9+ | 9+ | 9+ | 1         | 9+ | 9+ | 9+ | 7  | 9+ | 9+ | -         | 9  | 9  | -  | -  | 8  | 3  | 3   |   |
| 4   | 8         | -  | 9+ | 8  | -  | -  | 8  | 9         | -  | 9+ | 9+ | 7  | 8  | 9+ | 9         | 9  | 9+ | 9+ | 9+ | 9+ | 9+ | 9         | 9+ | 9+ | 8  | 9+ | 9+ | 9  | -         | 8  | 9  | -  | 3  | 9  | 3  | 4   |   |
| 5   | 8         | -  | 9+ | 8  | -  | 6  | 9  | 9         | -  | 9+ | 9+ | -  | 9  | 9+ | 8         | 9  | 9+ | 9+ | 9+ | 9+ | 9+ | 9         | 9+ | 9+ | 4  | 9+ | 9+ | 9  | -         | 7  | 8  | 2  | 5  | 8  | 1  | 5   |   |
| 6   | 7         | -  | 9+ | 7  | -  | 7  | 9  | 9         | 1  | 9+ | 9  | -  | 9  | 9+ | 7         | 9+ | 9+ | 9+ | 9  | 9+ | 9+ | 1*        | 9  | 9+ | 9  | 9  | 9+ | 9  | -         | 4  | 4  | 4  | 4  | 7  | -  | 6   |   |
| 7   | -         | -  | 9+ | 7  | -  | 7  | 8  | 8         | 3  | 9+ | 9  | -  | 9  | 9+ | 9+        | 9+ | 9  | 8  | 9  | 9+ | 9+ | 7         | 8  | 9+ | 8  | 6  | 9+ | 2  | -         | 2  | 7  | 2  | -  | 5  | -  | 7   |   |
| 8   | -         | -  | 9+ | 3  | -  | 7  | 8  | 7         | 7  | 9+ | 8  | -  | 9  | 9+ | 9+        | 9+ | 9+ | 9  | 9+ | 9+ | 9+ | 9+        | 9+ | 9  | 8  | 4  | 9  | 1  | -         | 2  | 4  | 1  | -  | 3  | -  | 8   |   |
| 9   | -         | -  | 9+ | -  | -  | 6  | 7  | 3         | 7  | 9+ | 6  | -  | 9  | 9  | 9         | 9  | 9+ | 9+ | 9  | 9+ | 9+ | 9         | 9  | 8  | 8  | 9  | 6  | 9  | 4         | 2  | 3  | -  | 4  | 2  | 4  | -   | 9 |
| 10  | -         | -  | 9+ | -  | -  | -  | 5  | -         | 4  | 9+ | 1  | -  | 8  | 9  | 9         | 9  | 9+ | 9+ | 8  | 9+ | 9  | 9         | 9  | 8  | 9  | 9  | 9  | -  | 1         | 6  | 1  | 7  | 2  | 7  | -  | 10  |   |
| 11  | -         | -  | 9+ | -  | -  | -  | 1  | -         | -  | 9+ | -  | -  | 7  | 7  | 7         | 6* | 9+ | 9  | 8  | 9+ | 9+ | 9         | 9  | 9+ | 9  | 9  | 9  | 1  | 9         | 8  | -  | 8  | 7  | 8  | -  | 11  |   |
| 12  | -         | -  | 8  | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | -  | 4  | 3         | 6* | 9+ | 6  | 5  | 9  | 9+ | 8         | 9  | 9+ | 9  | 8  | 9+ | 9  | 9         | 8  | 9+ | 8  | 7  | 8  | 3  | 12  |   |
| 13  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 9  | -  | -  | -  | -  | 1*        | 3* | 9+ | 3  | 4* | 8  | 9  | 8         | 8  | 9+ | 9  | 6  | 9  | 9+ | 9         | 8  | 9+ | 7  | 5  | 8  | 9  | 13  |   |
| 14  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 7  | -  | -  | -  | -  | -         | -  | 9+ | 3  | -  | 6  | 7  | 7         | 7  | 9+ | 9  | 6  | 8  | 9  | 9         | 8  | 9+ | 8  | 8  | 9  | 9  | 14  |   |
| 15  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 5  | -  | -  | -  | -  | -         | -  | 9+ | 2  | -  | 4  | 5  | 7         | 7  | 9+ | 9  | 7  | 8  | 9  | 9         | 8  | 9+ | 8  | 9  | 8  | 9  | 15  |   |
| 16  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 4  | -  | -  | -  | -  | -         | -  | 9+ | 4  | -  | 1  | 4  | 8         | 7  | 9  | 9  | 8  | 8  | 9  | 9         | 8  | 9  | 9  | 8  | 6  | 9  | 16  |   |
| 17  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 5  | -  | -  | -  | -  | 2         | -  | 9+ | 6  | 2  | -  | 2  | 9         | 8  | 9+ | 9  | 9  | 8  | 9  | 9         | 6  | 9  | 9  | 9  | 6  | 9  | 17  |   |
| 18  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 7  | -  | -  | -  | -  | 7         | 2  | 9+ | 8  | 6  | 5  | 4  | 9+        | 9  | 9+ | 9  | 9  | 7  | 9  | 8         | 6  | 9  | 9  | 9  | 8  | 9  | 18  |   |
| 19  | -         | -  | 1  | -  | -  | -  | -  | -         | -  | 9+ | 1  | -  | -  | -  | 9         | 9  | 9+ | 9  | 9  | 5  | 7  | 9+        | 9+ | 9+ | 9+ | 9+ | 7  | 9  | 6         | 4  | 9+ | 9+ | 9  | 9  | 9  | 19  |   |
| 20  | -         | -  | 8  | -  | -  | -  | -  | -         | -  | 9+ | 6  | -  | -  | 1  | 9+        | 9  | 9+ | 9+ | 9  | 8  | 9  | 9+        | 9  | 9+ | 9+ | 9+ | 7  | 9+ | 5         | 1  | 9+ | 9+ | 9  | 8  | 9  | 20  |   |
| 21  | -         | -  | 9+ | 2  | -  | -  | -  | 7         | -  | 9+ | 8  | 3  | -  | 4  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 9         | 8  | 9+ | 9+ | 9+ | 7  | 9+ | 1         | -  | 9+ | 9+ | 9  | 8  | 9+ | 21  |   |
| 22  | -         | -  | 9+ | 6  | -  | -  | -  | 8         | 5  | 9+ | 9  | 8  | -  | 7  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 8         | 9  | 9+ | 9+ | 9+ | 8  | 9+ | -         | 7  | 9+ | 9+ | 9  | 8  | 9  | 22  |   |
| 23  | 8         | -  | 9+ | 8  | 2  | -  | 6  | 9         | 6  | 9+ | 9+ | 9  | -  | 8  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 6         | 9  | 9+ | 9+ | 9+ | 9+ | 9+ | -         | 9  | 9+ | 9  | 6  | 8  | 9  | 23  |   |
|     | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA |     |   |

Feb., Paraguay (Asuncion), for SSN = High, Sigs in S-Units. By N6BV, ARRL.

|     | 80 Meters |    |    |    |    |    |    | 40 Meters |    |    |    |    |    |    | 20 Meters |    |    |    |    |    |    | 15 Meters |    |    |    |    |    |    | 10 Meters |    |    |    |    |    |    |     |   |
|-----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----|---|
| UTC | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | UTC |   |
| 0   | 8         | -  | 9+ | 8  | 5  | -  | 7  | 9         | 5  | 9+ | 9+ | 9  | -  | 9  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 8         | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | -         | 9  | 9+ | 9  | 6  | 9  | 9+ | 0   |   |
| 1   | 9         | -  | 9+ | 9  | 6  | -  | 8  | 9         | -  | 9+ | 9+ | 9  | -  | 9+ | 9+        | 9+ | 9+ | 9+ | 9+ | 8  | 9+ | 8         | 9+ | 9+ | 9+ | 9  | 9  | 9+ | -         | 9  | 9+ | 8  | -  | 9  | 9  | 1   |   |
| 2   | 9         | -  | 9+ | 8  | 5  | -  | 9  | 9         | -  | 9+ | 9+ | 9  | -  | 9+ | 9+        | 9  | 9+ | 9+ | 9+ | 9  | 9+ | 8         | 9+ | 9+ | 9+ | 3  | 9+ | 9+ | -         | 9  | 9+ | 8  | 1* | 9  | 8  | 2   |   |
| 3   | 9         | -  | 9+ | 9  | -  | -  | 8  | 9         | -  | 9+ | 9+ | 8  | 6  | 9+ | 9+        | 9  | 9+ | 9+ | 9+ | 9+ | 9+ | 9+        | 7  | 9+ | 9+ | 9+ | 9  | 9+ | 9+        | -  | 9+ | 9+ | 6  | 3  | 9+ | 9   | 3 |
| 4   | 8         | -  | 9+ | 8  | -  | -  | 9  | 9         | -  | 9+ | 9+ | 7  | 8  | 9+ | 9+        | 9  | 9+ | 9+ | 9  | 9+ | 9+ | 5         | 9+ | 9+ | 9  | 9+ | 9+ | 9+ | -         | 9  | 9+ | 1  | 9  | 9+ | 9  | 4   |   |
| 5   | 8         | -  | 9+ | 8  | -  | 5  | 9  | 9         | -  | 9+ | 9+ | -  | 9  | 9+ | 9         | 9  | 9+ | 9+ | 9  | 9+ | 9+ | 3*        | 9+ | 9+ | 9  | 9+ | 9+ | 9+ | -         | 9  | 9+ | 2  | 8  | 9+ | 7  | 5   |   |
| 6   | 6         | -  | 9+ | 8  | -  | 7  | 9  | 9         | -  | 9+ | 9  | -  | 9  | 9+ | 9+        | 9  | 9+ | 9+ | 9  | 9+ | 9+ | 3         | 9+ | 9+ | 9  | 9+ | 9+ | 8  | -         | 8  | 9  | 5  | 8  | 9+ | 2  | 6   |   |
| 7   | -         | -  | 9+ | 7  | -  | 7  | 9  | 8         | 1  | 9+ | 9  | -  | 9  | 9+ | 9+        | 9+ | 9  | 8  | 8  | 9+ | 9+ | 8         | 9+ | 9  | 8  | 8  | 9+ | 6  | 2         | 6  | 9  | 3  | 2  | 8  | -  | 7   |   |
| 8   | -         | -  | 9+ | 2  | -  | 7  | 8  | 7         | 6  | 9+ | 8  | -  | 9  | 9+ | 9+        | 9+ | 9+ | 8  | 9+ | 9+ | 8  | 8         | 8  | 9  | 6  | 4  | 9+ | 4  | -         | 2  | 6  | 1  | -  | 5  | -  | 8   |   |
| 9   | -         | -  | 9+ | -  | -  | 7  | 8  | -         | 7  | 9+ | 6  | -  | 9  | 9  | 9         | 9+ | 9+ | 9+ | 9+ | 8  | 9+ | 9+        | 8  | 8  | 8  | 8  | 7  | 9  | 4         | 3  | 4  | -  | 5  | 2  | 2  | -   | 9 |
| 10  | -         | -  | 9+ | -  | -  | -  | 6  | -         | 6  | 9+ | 1  | -  | 8  | 9  | 9         | 9  | 9+ | 9+ | 8  | 9+ | 9+ | 9         | 9  | 8  | 9  | 9  | 9+ | 3  | 6         | 7  | -  | 8  | 7  | 4  | -  | 10  |   |
| 11  | -         | -  | 9+ | -  | -  | -  | 1  | -         | -  | 9+ | -  | -  | 7  | 7  | 6         | 8* | 9+ | 8  | 8  | 9+ | 9+ | 9         | 9  | 9+ | 9+ | 9  | 9+ | 7  | 9+        | 9  | -  | 9  | 8  | 8  | -  | 11  |   |
| 12  | -         | -  | 6  | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | -  | 4  | 2         | 5  | 9+ | 5  | 5* | 9  | 9+ | 8         | 9  | 9+ | 9  | 8  | 9+ | 9+ | 9         | 8  | 9+ | 9  | 8  | 9  | 5  | 12  |   |
| 13  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 9  | -  | -  | -  | -  | 2*        | 5* | 9+ | 3  | 2* | 9  | 9  | 7         | 8  | 9+ | 8  | 7  | 9  | 9+ | 9         | 9  | 9  | 9  | 8  | 9  | 9  | 13  |   |
| 14  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 6  | -  | -  | -  | -  | 1*        | 1* | 9+ | 2  | 1* | 7  | 7  | 9         | 7  | 9+ | 9  | 6  | 8  | 9  | 8         | 8  | 9+ | 8  | 8  | 9  | 9  | 14  |   |
| 15  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 4  | -  | -  | -  | -  | -         | -  | 9+ | 1  | -  | 4  | 5  | 7         | 7  | 9+ | 8  | 7  | 8  | 9  | 8         | 8  | 9+ | 9  | 8  | 9  | 9  | 15  |   |
| 16  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 3  | -  | -  | -  | -  | -         | -  | 9+ | 3  | -  | 1  | 2  | 8         | 7  | 9+ | 9  | 8  | 8  | 9  | 9         | 8  | 9+ | 9  | 8  | 9  | 9  | 16  |   |
| 17  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 4  | -  | -  | -  | -  | 2         | -  | 9+ | 6  | -  | -  | 1  | 9         | 8  | 9+ | 9  | 8  | 8  | 9  | 9         | 9  | 9+ | 9  | 9  | 8  | 9  | 17  |   |
| 18  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 7  | -  | -  | -  | -  | 6         | 2  | 9+ | 9  | 6  | 3  | 3  | 9         | 9  | 9+ | 9  | 9  | 9  | 9  | 9         | 9  | 9  | 9+ | 9  | 9  | 9  | 18  |   |
| 19  | -         | -  | 1  | -  | -  | -  | -  | -         | -  | 9  | 1  | -  | -  | -  | 9         | 8  | 9+ | 9  | 9  | 7  | 7  | 9+        | 9+ | 9+ | 9+ | 9+ | 8  | 9+ | 9         | 9  | 9+ | 9+ | 9  | 8  | 9  | 19  |   |
| 20  | -         | -  | 8  | -  | -  | -  | -  | -         | -  | 9+ | 6  | -  | -  | -  | 9+        | 9  | 9+ | 9+ | 9  | 8  | 9  | 9+        | 9+ | 9+ | 9+ | 9+ | 7  | 9+ | 8         | 8  | 9+ | 9+ | 9+ | 8  | 9  | 20  |   |
| 21  | -         | -  | 9+ | 2  | -  | -  | -  | 7         | -  | 9+ | 8  | 3  | -  | 4  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 7  | 9+ | 7         | 5  | 9+ | 9+ | 9+ | 8  | 9+ | 21  |   |
| 22  | -         | -  | 9+ | 5  | -  | -  | 2  | 8         | 5  | 9+ | 9  | 8  | 3  | 6  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 9+        | 9  | 9+ | 9+ | 9  | 9  | 9+ | 4         | 9  | 9+ | 9+ | 9+ | 8  | 9+ | 22  |   |
| 23  | 7         | -  | 9+ | 8  | 2  | -  | 5  | 9         | 5  | 9+ | 9+ | 9  | -  | 8  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 9         | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 1         | 9  | 9+ | 9+ | 8  | 9  | 9+ | 23  |   |
|     | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA |     |   |

Mar., Paraguay (Asuncion), for SSN = High, Sigs in S-Units. By N6BV, ARRL.

|     | 80 Meters |    |    |    |    |    |    | 40 Meters |    |    |    |    |    |    | 20 Meters |    |    |    |    |    |    | 15 Meters |    |    |    |    |    |    | 10 Meters |    |    |    |    |    |    |     |    |   |   |
|-----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----|----|---|---|
| UTC | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | UTC |    |   |   |
| 0   | 8         | -  | 9+ | 8  | 6  | -  | 7  | 9         | 5  | 9+ | 9+ | 9  | -  | 9  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 9         | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | -         | 8  | 9+ | 9+ | 9  | 9  | 9  | 9   | 0  |   |   |
| 1   | 9         | -  | 9+ | 8  | 6  | -  | 9  | 9         | -  | 9+ | 9+ | 9  | -  | 9+ | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 9         | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | -         | 9+ | 9+ | 9  | 3  | 9  | 8  | 1   |    |   |   |
| 2   | 8         | -  | 9+ | 8  | 5  | -  | 9  | 9+        | -  | 9+ | 9+ | 9  | -  | 9+ | 9+        | 8  | 9+ | 9+ | 9+ | 9  | 9+ | 9         | 9+ | 9  | 9+ | 7  | 9+ | 9+ | -         | 8  | 9+ | 9  | 4* | 9  | 7  | 2   |    |   |   |
| 3   | 8         | -  | 9+ | 8  | -  | -  | 8  | 9+        | -  | 9+ | 9+ | 8  | 6  | 9+ | 9+        | 8  | 9+ | 9+ | 9+ | 9+ | 9+ | 9+        | 9  | 9  | 9+ | 9+ | 9+ | 9+ | 9+        | -  | 8  | 9+ | 7  | 6  | 9+ | 8   | 3  |   |   |
| 4   | 8         | -  | 9+ | 8  | -  | -  | 8  | 9         | -  | 9+ | 9+ | 7  | 8  | 9+ | 9+        | 8  | 9+ | 9+ | 9+ | 9+ | 9+ | 9+        | 9+ | 9  | 9  | 9+ | 9  | 9+ | 9+        | -  | 9  | 9+ | -  | 9  | 9+ | 8   | 4  |   |   |
| 5   | 7         | -  | 9+ | 9  | -  | 5  | 9  | 9         | -  | 9+ | 9+ | -  | 8  | 9+ | 9+        | 9  | 9+ | 9+ | 9  | 9  | 9+ | 9+        | 5  | 9  | 9+ | 9  | 9+ | 9+ | 9+        | -  | 9  | 9+ | 2* | 9  | 9+ | 8   | 5  |   |   |
| 6   | -         | -  | 9+ | 8  | -  | 7  | 9  | 9         | -  | 9+ | 9  | -  | 9  | 9+ | 9+        | 9  | 9+ | 9+ | 8  | 9+ | 9+ | 8         | 9+ | 9+ | 8  | 9+ | 9  | 9+ | 8         | -  | 8  | 9  | 6  | 8  | 9+ | 5   | 6  |   |   |
| 7   | -         | -  | 9+ | 7  | -  | 7  | 8  | 8         | -  | 9+ | 9  | -  | 9  | 9+ | 9+        | 9+ | 9+ | 9+ | 8  | 9+ | 9+ | 8         | 9+ | 9+ | 8  | 9+ | 9  | 9  | 6         | 9+ | 8  | -  | 5  | 8  | 2  | 1   | 9  | - | 7 |
| 8   | -         | -  | 9+ | 1  | -  | 7  | 8  | 6         | 2  | 9+ | 8  | -  | 9  | 9+ | 9         | 9+ | 9+ | 9  | 6  | 9+ | 9+ | 3         | 8  | 9  | 5  | 2  | 9+ | 8  | -         | -  | 2  | -  | -  | 6  | -  | 8   |    |   |   |
| 9   | -         | -  | 9+ | -  | -  | 7  | 8  | -         | 7  | 9+ | 5  | -  | 9  | 9  | 9         | 9+ | 9+ | 9+ | 9+ | 8  | 9+ | 9         | 7  | 7  | 4  | 8  | 6  | 8  | -         | -  | -  | 1  | 1  | 1  | -  | 9   |    |   |   |
| 10  | -         | -  | 9+ | -  | -  | -  | 6  | -         | 6  | 9+ | 1  | -  | 8  | 9  | 8         | 9+ | 9+ | 9+ | 7  | 9+ | 9+ | 9+        | 9  | 6  | 9  | 9  | 9  | 1  | 6         | 8  | -  | 8  | 8  | -  | -  | 10  |    |   |   |
| 11  | -         | -  | 9+ | -  | -  | -  | 2  | -         | -  | 9+ | -  | -  | 7  | 8  | 6         | 9  | 9+ | 9  | 8  | 9+ | 9+ | 9         | 9  | 9  | 9  | 9+ | 9  | 9+ | 9         | 9+ | 9  | -  | 9+ | 9  | 6  | -   | 11 |   |   |
| 12  | -         | -  | 7  | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | -  | 5  | 2         | 9  | 9+ | 7  | 8* | 9+ | 9+ | 8         | 9  | 9+ | 9  | 8  | 9+ | 9+ | 9         | 9  | 9+ | 9  | 8  | 9+ | 6  | 12  |    |   |   |
| 13  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 9  | -  | -  | -  | -  | 2*        | 8  | 9+ | 5  | 5* | 9  | 9  | 8         | 8  | 9+ | 8  | 7  | 9  | 9+ | 9         | 9  | 9  | 9  | 8  | 9  | 9  | 13  |    |   |   |
| 14  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 6  | -  | -  | -  | -  | 1*        | 2* | 9+ | 3  | 2* | 8  | 8  | 9         | 8  | 9+ | 8  | 6* | 8  | 9+ | 8         | 9  | 9+ | 9  | 8  | 9  | 9  | 14  |    |   |   |
| 15  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 4  | -  | -  | -  | -  | -         | -  | 9+ | 2  | -  | 5  | 5  | 7         | 7  | 9+ | 8  | 6  | 6  | 9  | 8         | 9  | 9+ | 9  | 8  | 9  | 9  | 15  |    |   |   |
| 16  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 3  | -  | -  | -  | -  | -         | -  | 9+ | 3  | -  | 2  | 3  | 8         | 7  | 9+ | 9  | 7  | 8  | 9  | 9         | 8  | 9+ | 9  | 8  | 9  | 9  | 16  |    |   |   |
| 17  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 4  | -  | -  | -  | -  | 1         | -  | 9+ | 6  | -  | 1  | 2  | 8         | 8  | 9+ | 9  | 8  | 8  | 8  | 9         | 9  | 9+ | 7  | 9  | 9  | 9  | 17  |    |   |   |
| 18  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 6  | -  | -  | -  | -  | 8         | 1* | 9+ | 8  | 8  | 4  | 3  | 9         | 9  | 9+ | 9+ | 9  | 9  | 9  | 9         | 9  | 9  | 9+ | 8  | 9  | 9  | 18  |    |   |   |
| 19  | -         | -  | 1  | -  | -  | -  | -  | -         | -  | 9+ | 1  | -  | -  | -  | 9         | 8  | 9+ | 9  | 9  | 8  | 7  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9  | 9         | 9  | 9  | 9+ | 9+ | 9  | 9  | 9   | 19 |   |   |
| 20  | -         | -  | 8  | -  | -  | -  | -  | -         | -  | 9+ | 6  | -  | -  | -  | 9+        | 9  | 9+ | 9+ | 9+ | 8  | 9  | 9+        | 9+ | 9+ | 9+ | 9+ | 8  | 9+ | 9         | 9  | 9+ | 9+ | 9+ | 9  | 9  | 9   | 20 |   |   |
| 21  | -         | -  | 9+ | 2  | -  | -  | -  | 7         | 1  | 9+ | 8  | 7  | -  | 3  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 6  | 9+ | 8         | 8  | 9+ | 9+ | 9+ | 9  | 9  | 9+  | 21 |   |   |
| 22  | -         | -  | 9+ | 6  | -  | -  | 2  | 8         | 5  | 9+ | 9  | 8  | 5  | 6  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 9  | 9+ | 6         | 9  | 9+ | 9+ | 9+ | 9  | 9  | 9+  | 22 |   |   |
| 23  | 8         | -  | 9+ | 8  | 5  | -  | 5  | 9         | 5  | 9+ | 9+ | 9  | -  | 8  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 9+        | 9  | 9+ | 9+ | 9+ | 9+ | 9+ | 4         | 9  | 9+ | 9+ | 9+ | 9  | 9  | 9   | 23 |   |   |
|     | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA |     |    |   |   |

Apr., Paraguay (Asuncion), for SSN = High, Sigs in S-Units. By N6BV, ARRL.

| 80 Meters |    |    |    |    |    |    |    | 40 Meters |    |    |    |    |    |    |    | 20 Meters |    |    |    |    |    |    |    | 15 Meters |    |    |    |    |    |    |    | 10 Meters |    |    |    |     |  |  |  |  |
|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|-----|--|--|--|--|
| UTC       | EU | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU | FE        | SA | AF | AS | OC | NA | EU | FE | SA        | AF | AS | OC | NA | EU | FE | SA | AF        | AS | OC | NA | UTC |  |  |  |  |
| 0         | 9  | -  | 9+ | 9  | 5  | -  | 7  | 9         | 2  | 9+ | 9+ | 9  | -  | 9  | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 9+ | 9+ | 9+ | 9+        | 9+ | 9  | 9+ | 5  | 9  | 9+ | 9+ | 9         | 9  | 9  | 9  | 0   |  |  |  |  |
| 1         | 9  | -  | 9+ | 9  | 5  | -  | 8  | 9         | -  | 9+ | 9+ | 9  | -  | 9+ | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 9+ | 9+ | 9+ | 9+        | 9+ | 9  | 9+ | 5  | 9  | 9+ | 9  | 4         | 9  | 9  | 1  |     |  |  |  |  |
| 2         | 8  | -  | 9+ | 8  | 2  | -  | 9  | 9+        | -  | 9+ | 9+ | 8  | -  | 9+ | 9+ | 9         | 9+ | 9+ | 9+ | 9  | 9+ | 9+ | 9+ | 9         | 9+ | 9+ | 2  | 7  | 9+ | 9  | 5* | 9         | 9  | 2  |    |     |  |  |  |  |
| 3         | 8  | -  | 9+ | 9  | -  | -  | 9  | 9         | -  | 9+ | 9+ | 8  | 6  | 9+ | 9+ | 7         | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9  | 9         | 9+ | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 7         | 8  | 9+ | 9  | 3   |  |  |  |  |
| 4         | 8  | -  | 9+ | 9  | -  | -  | 9  | 9         | -  | 9+ | 9+ | 3  | 8  | 9+ | 9+ | 8         | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9  | 9         | 9+ | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 2*        | 9  | 9+ | 9  | 4   |  |  |  |  |
| 5         | 7  | -  | 9+ | 9  | -  | 5  | 9  | 9         | -  | 9+ | 9+ | -  | 8  | 9+ | 9+ | 8         | 9+ | 9+ | 9  | 9+ | 9+ | 9  | 9  | 9+        | 9  | 9+ | 9+ | 9+ | 9  | 9+ | 6  | 9         | 9+ | 8  | 5  |     |  |  |  |  |
| 6         | -  | -  | 9+ | 9  | -  | 7  | 9  | 8         | -  | 9+ | 9+ | -  | 9  | 9+ | 9+ | 9         | 9+ | 9+ | 8  | 9+ | 9+ | 9  | 9+ | 9+        | 9  | 9+ | 8  | 4  | 8  | 8  | 7  | 6         | 9+ | 5  | 6  |     |  |  |  |  |
| 7         | -  | -  | 9+ | 8  | -  | 7  | 9  | 7         | -  | 9+ | 9  | -  | 9  | 9+ | 9+ | 9         | 9+ | 9+ | 7  | 9+ | 9+ | 6  | 9+ | 9         | 6  | 3  | 9+ | 8  | -  | 6  | 8  | -         | -  | 9  | 1  | 7   |  |  |  |  |
| 8         | -  | -  | 9+ | 2  | -  | 8  | 8  | -         | 1  | 9+ | 8  | -  | 9  | 9+ | 9  | 9+        | 9+ | 9  | 5  | 9+ | 9+ | 1  | 8  | 9         | 1  | 1  | 9+ | 8  | -  | -  | 2  | -         | -  | 5  | -  | 8   |  |  |  |  |
| 9         | -  | -  | 9+ | -  | -  | 7  | 8  | -         | 6  | 9+ | 5  | -  | 9  | 9+ | 9  | 9+        | 9+ | 9+ | 5  | 9+ | 9+ | 8  | 6  | 4         | 8  | 6  | 7  | 1  | 1  | -  | -  | 2         | 1  | -  | -  | 9   |  |  |  |  |
| 10        | -  | -  | 9+ | -  | -  | 6  | 6  | -         | 5  | 9+ | 2  | -  | 9  | 9  | 8  | 9+        | 9+ | 9+ | 8  | 9+ | 9+ | 9+ | 9  | 6         | 9+ | 9  | 4  | 1  | 8  | 8  | -  | 9         | 8  | -  | -  | 10  |  |  |  |  |
| 11        | -  | -  | 9+ | -  | -  | -  | 3  | -         | 1  | 9+ | -  | -  | 8  | 8  | 5  | 9+        | 9+ | 9  | 9  | 9+ | 9+ | 9  | 9  | 9+        | 9+ | 9  | 9+ | 9+ | 9  | 9  | -  | 9         | 9  | 4* | -  | 11  |  |  |  |  |
| 12        | -  | -  | 9  | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | 5  | 5  | 2  | 9         | 9+ | 7  | 5* | 9+ | 9+ | 8  | 9  | 9+        | 9  | 8  | 9+ | 9+ | 9  | 9  | 9+ | 9         | 8  | 9  | 7  | 12  |  |  |  |  |
| 13        | -  | -  | 3  | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | -  | 1  | -  | 8         | 9+ | 5  | 7* | 9  | 9  | 8  | 8  | 9+        | 9  | 7* | 9  | 9+ | 9  | 9  | 9  | 9         | 8  | 9+ | 8  | 13  |  |  |  |  |
| 14        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 7  | -  | -  | -  | -  | -  | 2*        | 9+ | 4  | 5* | 8  | 8  | 8  | 8  | 9+        | 8  | 5  | 9  | 9  | 8  | 9  | 9+ | 9         | 8  | 9  | 9  | 14  |  |  |  |  |
| 15        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 5  | -  | -  | -  | -  | -  | 1*        | 9+ | 3  | 1* | 8  | 5  | 7  | 7  | 9+        | 9  | 6  | 8  | 9  | 8  | 9  | 9+ | 9         | 9  | 9  | 9  | 15  |  |  |  |  |
| 16        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 4  | -  | -  | -  | -  | -  | -         | 9+ | 5  | -  | 5  | 4  | 8  | 8  | 9+        | 9  | 8  | 8  | 9  | 9  | 9  | 9+ | 9         | 9  | 9  | 8  | 16  |  |  |  |  |
| 17        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 5  | -  | -  | -  | -  | 5  | 1*        | 9+ | 8  | 5  | 4  | 3  | 9  | 9  | 9+        | 9  | 9  | 8  | 8  | 9  | 9  | 9+ | 9         | 9  | 9  | 9  | 17  |  |  |  |  |
| 18        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | -  | -  | 8  | 5         | 9+ | 9  | 8  | 6  | 4  | 9  | 9  | 9+        | 9+ | 9  | 9  | 9  | 9+ | 9  | 9+ | 9+        | 9  | 9  | 9  | 18  |  |  |  |  |
| 19        | -  | -  | 4  | -  | -  | -  | -  | -         | -  | 9+ | 3  | -  | -  | -  | 9  | 8         | 9+ | 9  | 9  | 8  | 6  | 9+ | 9+ | 9+        | 9+ | 9+ | 9  | 9  | 9+ | 9  | 9+ | 9+        | 9  | 9  | 9  | 19  |  |  |  |  |
| 20        | -  | -  | 9  | -  | -  | -  | -  | -         | -  | 9+ | 7  | -  | -  | -  | 9+ | 9         | 9+ | 9+ | 9+ | 9  | 8  | 9+ | 9+ | 9+        | 9+ | 9+ | 7  | 9+ | 9  | 9  | 9+ | 9+        | 9+ | 9  | 9  | 20  |  |  |  |  |
| 21        | -  | -  | 9+ | 4  | -  | -  | -  | 7         | 3  | 9+ | 8  | 7  | 5  | 3  | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 9  | 9+ | 9+ | 9+        | 9+ | 9+ | 7  | 9+ | 9  | 9  | 9+ | 9+        | 9+ | 9  | 9  | 21  |  |  |  |  |
| 22        | -  | -  | 9+ | 7  | -  | -  | -  | 9         | 5  | 9+ | 9  | 8  | 5  | 6  | 9+ | 9+        | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+        | 9+ | 9  | 9+ | 8  | 9  | 9+ | 9+ | 9+        | 9  | 9  | 9  | 22  |  |  |  |  |
| 23        | 7  | -  | 9+ | 8  | 5  | -  | 5  | 9         | 5  | 9+ | 9+ | 9  | 6  | 8  | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 9+ | 9+ | 9  | 9+        | 9+ | 9+ | 9+ | 8  | 9  | 9+ | 9+ | 9+        | 9  | 9  | 9  | 23  |  |  |  |  |
|           | EU | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU | FE        | SA | AF | AS | OC | NA | EU | FE | SA        | AF | AS | OC | NA | EU | FE | SA | AF        | AS | OC | NA |     |  |  |  |  |

May, Paraguay (Asuncion), for SSN = High, Sigs in S-Units. By N6BV, ARRL.

|     | 80 Meters |    |    |    |    |    |    | 40 Meters |    |    |    |    |    |    | 20 Meters |    |    |    |    |    |    | 15 Meters |    |    |    |    |    |    | 10 Meters |    |    |    |    |    |    |     |   |
|-----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----|---|
| UTC | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | UTC |   |
| 0   | 8         | -  | 9+ | 9  | 5  | -  | 7  | 9         | 2  | 9+ | 9+ | 9  | 4  | 9  | 9+        | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 9+ | 7  | 2         | 9+ | 8  | 4  | 9  | 8  | 0  |     |   |
| 1   | 8         | -  | 9+ | 9  | 5  | -  | 8  | 9+        | -  | 9+ | 9+ | 9  | -  | 9+ | 9+        | 9  | 9+ | 9+ | 9+ | 9+ | 9  | 9+        | 9+ | 9+ | 9  | 9  | 9+ | 5  | 1         | 9+ | 6  | 1  | 9  | 8  | 1  |     |   |
| 2   | 8         | -  | 9+ | 9  | -  | -  | 9  | 9+        | -  | 9+ | 9+ | 8  | -  | 9+ | 9+        | 8  | 9+ | 9+ | 9+ | 9+ | 9  | 9+        | 9+ | 9+ | 9+ | 9+ | 2  | 2  | 9+        | 7  | 6  | 9  | 8  | 2  |    |     |   |
| 3   | 8         | -  | 9+ | 9  | -  | -  | 9  | 9         | -  | 9+ | 9+ | 7  | 5  | 9+ | 9+        | 5  | 9+ | 9+ | 9+ | 9+ | 9+ | 9+        | 9  | 8  | 9+ | 9+ | 9+ | 9+ | 9+        | 1  | 2  | 9  | 6  | 7  | 9  | 9   | 3 |
| 4   | 8         | -  | 9+ | 9  | -  | -  | 9  | 9         | -  | 9+ | 9+ | -  | 8  | 9+ | 9+        | 5  | 9+ | 9+ | 9+ | 9+ | 9+ | 9+        | 9  | 9  | 9+ | 9  | 9+ | 9+ | 9+        | 5  | 7  | 9  | 4  | 7  | 9  | 6   | 4 |
| 5   | -         | -  | 9+ | 9  | -  | 1  | 9  | 9         | -  | 9+ | 9+ | -  | 8  | 9+ | 9+        | 7  | 9+ | 9+ | 9  | 9  | 9+ | 9+        | 9  | 9  | 9+ | 9  | 9  | 5  | 6         | 7  | 5  | 4  | 8  | 4  | 5  |     |   |
| 6   | -         | -  | 9+ | 9  | -  | 6  | 9  | 8         | -  | 9+ | 9+ | -  | 9  | 9+ | 9+        | 8  | 9+ | 9+ | 8  | 9+ | 9+ | 8         | 9  | 9  | 9  | 7  | 6  | 9+ | 8         | 1  | 5  | 2  | -  | 1  | 7  | 1   | 6 |
| 7   | -         | -  | 9+ | 4  | -  | 7  | 9  | 7         | -  | 9+ | 9  | -  | 9  | 9+ | 9+        | 9  | 9+ | 8  | 2  | 9+ | 9+ | 9+        | 2  | 8  | 9+ | -  | 2  | 9+ | 9         | -  | 2  | 6  | -  | -  | 5  | 3   | 7 |
| 8   | -         | -  | 9+ | 2  | -  | 8  | 9  | -         | -  | 9+ | 8  | -  | 9  | 9+ | 8         | 9+ | 9+ | 8  | 1  | 9+ | 9+ | -         | 7  | 8  | -  | -  | 8  | 8  | -         | -  | 1  | -  | -  | -  | -  | 8   |   |
| 9   | -         | -  | 9+ | -  | -  | 7  | 8  | -         | 2  | 9+ | 6  | -  | 9  | 9+ | 9         | 9  | 9+ | 9  | 5  | 9+ | 9+ | 7         | 1  | 3  | 5  | 4  | 1  | 1  | -         | -  | -  | -  | -  | -  | -  | 9   |   |
| 10  | -         | -  | 9+ | -  | -  | 7  | 7  | -         | 7  | 9+ | 2  | -  | 9  | 9  | 8         | 9  | 9+ | 9+ | 4  | 9  | 9+ | 9+        | 8  | 2  | 9  | 9  | 1* | -  | 3         | 1  | -  | 7  | 5  | -  | -  | 10  |   |
| 11  | -         | -  | 9+ | -  | -  | -  | 4  | -         | 3  | 9+ | -  | -  | 8  | 8  | 5         | 9+ | 9+ | 9  | 9  | 9+ | 9+ | 9         | 9  | 5  | 9+ | 9  | 7  | 9  | 6         | 9  | -  | 9+ | 8  | 2* | -  | 11  |   |
| 12  | -         | -  | 9+ | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | 7  | 5  | 2         | 9  | 9+ | 8  | 6* | 9+ | 9+ | 9         | 9  | 9+ | 9  | 8  | 9+ | 9  | 9         | 9  | 6  | 9  | 8  | 5  | -  | 12  |   |
| 13  | -         | -  | 6  | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | -  | 1  | 1*        | 8  | 9+ | 4  | 3* | 9  | 9  | 8         | 8  | 9+ | 8  | 7  | 9+ | 9  | 8         | 9  | 9+ | 9  | 8  | 9+ | 2  | 13  |   |
| 14  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 9  | -  | -  | -  | -  | -         | 3* | 9+ | 4  | 6* | 8  | 8  | 9         | 8  | 9+ | 8  | 6  | 9  | 9  | 8         | 9  | 9+ | 9  | 8  | 9  | 2  | 14  |   |
| 15  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 7  | -  | -  | -  | -  | -         | 2* | 9+ | 5  | 2* | 6  | 7  | 9         | 8  | 9+ | 9  | 7  | 9  | 9  | 9         | 9  | 9  | 9  | 9  | 9  | 4  | 15  |   |
| 16  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 6  | -  | -  | -  | -  | 1         | 1* | 9+ | 7  | 3  | 5  | 5  | 8         | 8  | 9+ | 9  | 8  | 9  | 9  | 9         | 9  | 9  | 9  | 9  | 8  | 8  | 16  |   |
| 17  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 7  | -  | -  | -  | -  | 6         | 2* | 9+ | 8  | 6  | 5  | 4  | 9         | 9  | 9+ | 8  | 9  | 9  | 9  | 9         | 9  | 9  | 9  | 9  | 8  | 8  | 17  |   |
| 18  | -         | -  | 1  | -  | -  | -  | -  | -         | -  | 9+ | 1  | -  | -  | -  | 8         | 8  | 9+ | 9  | 8  | 8  | 5  | 9         | 9  | 9+ | 9+ | 9+ | 9  | 9  | 9         | 9  | 9+ | 9  | 9  | 9  | 8  | 18  |   |
| 19  | -         | -  | 6  | -  | -  | -  | -  | -         | -  | 9+ | 5  | -  | -  | -  | 9         | 9  | 9+ | 9  | 9  | 8  | 7  | 9+        | 9+ | 9+ | 9+ | 9+ | 8  | 9  | 9+        | 9  | 9+ | 9  | 9  | 9  | 9  | 19  |   |
| 20  | -         | -  | 9+ | 1  | -  | -  | -  | 5         | 1  | 9+ | 8  | 3  | -  | -  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 8  | 9+        | 9+ | 9+ | 9+ | 9+ | 8  | 9+ | 9         | 8  | 9+ | 9  | 9  | 9  | 9  | 20  |   |
| 21  | -         | -  | 9+ | 5  | -  | -  | -  | 7         | 5  | 9+ | 9  | 7  | 6  | 2  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9  | 9+        | 9+ | 9+ | 9+ | 9+ | 7  | 9+ | 9         | 4  | 9+ | 9  | 9  | 9  | 9  | 21  |   |
| 22  | 6         | -  | 9+ | 7  | 2  | -  | -  | 8         | 6  | 9+ | 9  | 8  | 7  | 5  | 9+        | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+        | 8  | 9+ | 9+ | 9+ | 8  | 9+ | 8         | 2  | 9+ | 9  | 8  | 9  | 9  | 22  |   |
| 23  | 7         | -  | 9+ | 9  | 5  | -  | 4  | 9         | 5  | 9+ | 9+ | 8  | 7  | 8  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 9+        | 9  | 9+ | 9+ | 9+ | 8  | 9+ | 8         | 1  | 9+ | 9  | 6  | 9  | 9  | 23  |   |
|     | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA |     |   |

Jun., Paraguay (Asuncion), for SSN = High, Sigs in S-Units. By N6BV, ARRL.

| 80 Meters |    |    |    |    |    |    |    | 40 Meters |    |    |    |    |    |    |    | 20 Meters |    |    |    |    |    |    |    | 15 Meters |    |    |    |    |    |    |    | 10 Meters |    |    |    |     |   |  |  |  |
|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|-----|---|--|--|--|
| UTC       | EU | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU | FE        | SA | AF | AS | OC | NA | EU | FE | SA        | AF | AS | OC | NA | EU | FE | SA | AF        | AS | OC | NA | UTC |   |  |  |  |
| 0         | 8  | -  | 9+ | 9  | 5  | -  | 6  | 9         | 1  | 9+ | 9+ | 9  | 7  | 9  | 9+ | 9+        | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9  | 9         | 9+ | 9+ | 8  | 9  | 9+ | 7  | 1  | 9         | 4  | -  | 8  | 7   | 0 |  |  |  |
| 1         | 9  | -  | 9+ | 9  | 5  | -  | 8  | 9         | -  | 9+ | 9+ | 8  | 3  | 9+ | 9+ | 9         | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 9+ | 6         | 9+ | 9  | 8  | 9  | 9+ | 8  | 5  | 9         | 3  | -  | 7  | 6   | 1 |  |  |  |
| 2         | 9  | -  | 9+ | 9  | -  | -  | 9  | 9         | -  | 9+ | 9+ | 8  | -  | 9+ | 9+ | 7         | 9+ | 9+ | 9+ | 9  | 9  | 9+ | 9  | 8         | 9+ | 9  | 9  | 9+ | 9+ | 5  | 5  | 8         | 1  | 4  | 7  | 7   | 2 |  |  |  |
| 3         | 8  | -  | 9+ | 9  | -  | -  | 8  | 9         | -  | 9+ | 9+ | 7  | 6  | 9+ | 9+ | 2         | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9  | 8         | 9+ | 8  | 9  | 9+ | 9+ | 2  | 4  | 7         | -  | 3  | 6  | 6   | 3 |  |  |  |
| 4         | 7  | -  | 9+ | 9  | -  | -  | 9  | 9         | -  | 9+ | 9+ | -  | 8  | 9+ | 9+ | 5         | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8  | 8         | 9+ | 8  | 8  | 9+ | 9+ | 1  | 3  | 1         | -  | 3  | 5  | 5   | 4 |  |  |  |
| 5         | -  | -  | 9+ | 9  | -  | 6  | 9  | 8         | -  | 9+ | 9+ | -  | 9  | 9+ | 9+ | 5         | 9+ | 9+ | 9  | 9  | 9+ | 9+ | 8  | 8         | 9  | 6  | 8  | 9+ | 9  | -  | 1  | -         | -  | -  | 5  | 3   | 5 |  |  |  |
| 6         | -  | -  | 9+ | 9  | -  | 6  | 8  | 8         | -  | 9+ | 9  | -  | 9  | 9+ | 9+ | 8         | 9+ | 9+ | 8  | 9+ | 9+ | 6  | 8  | 9         | 5  | 3  | 8  | 8  | -  | 2  | -  | -         | -  | 1  | 1  | 6   |   |  |  |  |
| 7         | -  | -  | 9+ | 8  | -  | 7  | 8  | -         | -  | 9+ | 9  | -  | 9  | 9+ | 9  | 8         | 9+ | 8  | 2  | 9+ | 9+ | 1  | 8  | 8         | 8  | -  | 1  | 8  | 8  | -  | -  | -         | -  | -  | 1  | 7   |   |  |  |  |
| 8         | -  | -  | 9+ | 2  | -  | 8  | 9  | -         | -  | 9+ | 8  | -  | 9  | 9+ | 8  | 9         | 9+ | 7  | -  | 9+ | 9+ | -  | 6  | 3         | -  | -  | 6  | 6  | -  | -  | -  | -         | -  | -  | -  | 8   |   |  |  |  |
| 9         | -  | -  | 9+ | -  | -  | 8  | 8  | -         | 1  | 9+ | 6  | -  | 9  | 9+ | 9  | 9         | 9+ | 9  | 1  | 8  | 9+ | 6  | 2  | -         | 5  | 2  | -  | 2  | -  | -  | -  | -         | -  | -  | -  | 9   |   |  |  |  |
| 10        | -  | -  | 9+ | -  | -  | 7  | 7  | -         | 5  | 9+ | 1  | -  | 9  | 9  | 7  | 9         | 9+ | 9+ | 3  | 9  | 9+ | 9  | 8  | -         | 9  | 8  | -  | -  | 1  | 1  | -  | 2         | 3  | -  | -  | 10  |   |  |  |  |
| 11        | -  | -  | 9+ | -  | -  | -  | 2  | -         | 6  | 9+ | -  | -  | 9  | 8  | 4  | 9+        | 9+ | 9  | 1  | 9+ | 9+ | 9  | 9  | 1         | 9+ | 7  | 1  | 6  | 1  | 7  | -  | 9         | 9  | -  | -  | 11  |   |  |  |  |
| 12        | -  | -  | 9+ | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | 8  | 6  | 2  | 9+        | 9+ | 5  | 9  | 9+ | 9+ | 9  | 9  | 9+        | 9  | 6  | 9+ | 9  | 8  | 9  | -  | 9         | 8  | 1  | -  | 12  |   |  |  |  |
| 13        | -  | -  | 8  | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | -  | 1  | -  | 9         | 9+ | 5  | 5* | 9  | 9  | 9  | 8  | 9+        | 9  | 7  | 9+ | 9  | 8  | 9  | 9  | 9         | 8  | 8  | -  | 13  |   |  |  |  |
| 14        | -  | -  | 2  | -  | -  | -  | -  | -         | -  | 9  | -  | -  | -  | -  | -  | 6         | 9+ | 5  | 7* | 8  | 9  | 9  | 9  | 9+        | 9  | 7  | 9  | 9  | 9  | 9  | 9  | 9         | 9  | 9  | 2  | 14  |   |  |  |  |
| 15        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 8  | -  | -  | -  | -  | -  | 5         | 9+ | 6  | 4* | 6  | 8  | 9  | 9  | 9+        | 9  | 8  | 9  | 9  | 8  | 9  | 8  | 9         | 8  | 8  | 4  | 15  |   |  |  |  |
| 16        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 8  | -  | -  | -  | -  | 2  | 2*        | 9+ | 8  | 3  | 6  | 5  | 9  | 9  | 9+        | 9  | 8  | 9  | 9  | 9  | 9  | 8  | 9         | 9  | 6  | 5  | 16  |   |  |  |  |
| 17        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 8  | -  | -  | -  | -  | 5  | 6         | 9+ | 9  | 6  | 6  | 4  | 9  | 9  | 9+        | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9         | 9  | 5  | 5  | 17  |   |  |  |  |
| 18        | -  | -  | 3  | -  | -  | -  | -  | -         | -  | 9+ | 2  | -  | -  | -  | 8  | 9         | 9+ | 9  | 9  | 8  | 4  | 9  | 9+ | 9+        | 9+ | 9+ | 9  | 9  | 9  | 9  | 9  | 9         | 9  | 9  | 6  | 18  |   |  |  |  |
| 19        | -  | -  | 9  | -  | -  | -  | -  | -         | -  | 9+ | 7  | -  | -  | -  | 9  | 9         | 9+ | 9+ | 9  | 9  | 7  | 9+ | 9+ | 9+        | 9+ | 9+ | 8  | 9  | 9  | 8  | 9+ | 9         | 8  | 9  | 6  | 19  |   |  |  |  |
| 20        | -  | -  | 9+ | 3  | -  | -  | -  | 5         | 3  | 9+ | 8  | 6  | 7  | -  | 9+ | 9+        | 9+ | 9+ | 9+ | 5  | 9  | 9+ | 9+ | 9+        | 9+ | 9+ | 8  | 9  | 9  | 6  | 9+ | 9         | 7  | 9  | 6  | 20  |   |  |  |  |
| 21        | -  | -  | 9+ | 6  | -  | -  | -  | 8         | 5  | 9+ | 9  | 7  | 7  | -  | 9+ | 9+        | 9+ | 9+ | 9+ | 8  | 9  | 9+ | 9  | 9+        | 9+ | 9+ | 8  | 9+ | 8  | 2  | 9  | 8         | 5  | 9  | 6  | 21  |   |  |  |  |
| 22        | 6  | -  | 9+ | 8  | 5  | 4  | -  | 9         | 7  | 9+ | 9  | 8  | 9  | 6  | 9+ | 9+        | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8  | 9+        | 9+ | 9+ | 8  | 9+ | 7  | 1  | 9  | 6         | 4  | 9  | 8  | 22  |   |  |  |  |
| 23        | 7  | -  | 9+ | 8  | 5  | -  | 1  | 9         | 5  | 9+ | 9+ | 9  | 8  | 9  | 9+ | 9+        | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9  | 9+        | 9+ | 9+ | 9  | 9+ | 8  | 1  | 9  | 5         | 2  | 8  | 7  | 23  |   |  |  |  |
|           | EU | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU | FE        | SA | AF | AS | OC | NA | EU | FE | SA        | AF | AS | OC | NA | EU | FE | SA | AF        | AS | OC | NA |     |   |  |  |  |

Jul., Paraguay (Asuncion), for SSN = High, Sigs in S-Units. By N6BV, ARRL.

|     | 80 Meters |    |    |    |    |    |    | 40 Meters |    |    |    |    |    |    | 20 Meters |    |    |    |    |    |    | 15 Meters |    |    |    |    |      |    | 10 Meters |    |    |    |    |    |    |     |   |
|-----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|------|----|-----------|----|----|----|----|----|----|-----|---|
| UTC | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC   | NA | EU        | FE | SA | AF | AS | OC | NA | UTC |   |
| 0   | 9         | -  | 9+ | 9  | 5  | -  | 7  | 9         | 2  | 9+ | 9+ | 9  | 4  | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 9  | 9+ | 9+        | 9  | 9+ | 9  | 9  | 9+   | 7  | -         | 9  | 5  | 2  | 7  | 7  | 0  |     |   |
| 1   | 9         | -  | 9+ | 9  | 5  | -  | 8  | 9         | -  | 9+ | 9+ | 9  | -  | 9+ | 9+        | 9  | 9+ | 9+ | 9  | 9  | 9  | 9+        | 9+ | 9  | 9  | 9  | 9+   | 4  | 5         | 9  | 4  | -  | 8  | 7  | 1  |     |   |
| 2   | 9         | -  | 9+ | 9  | -  | -  | 9  | 9         | -  | 9+ | 9+ | 8  | -  | 9+ | 9+        | 5  | 9+ | 9+ | 9+ | 9  | 9  | 9+        | 9  | 8  | 9+ | 9  | 9    | 9+ | 9+        | 6  | 5  | 9  | 1  | 4  | 7  | 7   | 2 |
| 3   | 8         | -  | 9+ | 9  | -  | -  | 9  | 9         | -  | 9+ | 9+ | 7  | 6  | 9+ | 9+        | 5  | 9+ | 9+ | 9+ | 9+ | 9  | 9+        | 9  | 9  | 9+ | 8  | 9    | 9+ | 9+        | 4  | 4  | 8  | 1  | 2  | 7  | 6   | 3 |
| 4   | 7         | -  | 9+ | 9  | -  | -  | 9  | 9         | -  | 9+ | 9+ | -  | 8  | 9+ | 9+        | 5  | 9+ | 9+ | 9+ | 9+ | 9  | 9+        | 8  | 9  | 9+ | 8  | 8    | 9+ | 9         | 1  | 4  | 7  | -  | 2  | 6  | 6   | 4 |
| 5   | -         | -  | 9+ | 9  | -  | 3  | 9  | 9         | -  | 9+ | 9+ | -  | 8  | 9+ | 9+        | 6  | 9+ | 9+ | 9  | 9  | 9  | 9+        | 7  | 8  | 9  | 7  | 8    | 9+ | 8         | -  | 2  | -  | 1  | -  | 6  | 3   | 5 |
| 6   | -         | -  | 9+ | 9  | -  | 6  | 9  | 8         | -  | 9+ | 9  | -  | 9  | 9+ | 9+        | 8  | 9+ | 9+ | 8  | 9  | 9  | 9+        | 5  | 8  | 9  | 6  | 4    | 9+ | 9         | -  | 2  | -  | -  | -  | 4  | 1   | 6 |
| 7   | -         | -  | 9+ | 8  | -  | 7  | 9  | -         | -  | 9+ | 9  | -  | 9  | 9+ | 9         | 9  | 9+ | 8  | 2  | 9  | 9+ | -         | 8  | 8  | -  | 1  | 8    | 8  | -         | 1  | -  | -  | -  | 1  | 1  | 7   |   |
| 8   | -         | -  | 9+ | 2  | -  | 8  | 9  | -         | -  | 9+ | 8  | -  | 9  | 9+ | 8         | 9  | 9+ | 8  | -  | 9  | 9+ | -         | 7  | 4  | -  | -  | 7    | 6  | -         | -  | -  | -  | -  | -  | -  | 8   |   |
| 9   | -         | -  | 9+ | -  | -  | 7  | 8  | -         | 2  | 9+ | 5  | -  | 9+ | 9  | 9         | 9  | 9  | 9  | 5  | 8  | 9  | 6         | 1  | -  | 5  | 2  | 1    | 2  | -         | -  | -  | -  | -  | -  | -  | 9   |   |
| 10  | -         | -  | 9+ | -  | -  | 7  | 7  | -         | 7  | 9+ | 1  | -  | 9  | 9  | 8         | 9  | 9  | 9+ | 4  | 8  | 9+ | 9         | 7  | -  | 9  | 8  | -    | -  | -         | -  | 2  | 2  | -  | -  | 10 |     |   |
| 11  | -         | -  | 9+ | -  | -  | -  | 2  | -         | 3  | 9+ | -  | -  | 9  | 8  | 5         | 9  | 9+ | 9  | 9  | 9  | 9+ | 9         | 8  | -  | 9+ | 8  | 3* 3 | 1  | 6         | -  | 9  | 8  | -  | -  | 11 |     |   |
| 12  | -         | -  | 9+ | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | 7  | 6  | 2         | 9+ | 9+ | 5  | 6* | 9+ | 9+ | 9         | 8  | 9+ | 9  | 7  | 9+   | 8  | 8         | 9  | -  | 9  | 8  | -  | -  | 12  |   |
| 13  | -         | -  | 6  | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | -  | 1  | 1         | 9  | 9+ | 5  | 3* | 9  | 9  | 9         | 8  | 9+ | 9  | 7  | 9+   | 9  | 8         | 9  | 8  | 9  | 8  | 6  | -  | 13  |   |
| 14  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 8  | -  | -  | -  | -  | 1*        | 3* | 9+ | 4  | 5* | 8  | 9  | 9         | 8  | 9+ | 9  | 6  | 9    | 9  | 8         | 9  | 9  | 9  | 8  | 7  | 1  | 14  |   |
| 15  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 7  | -  | -  | -  | -  | -         | 2* | 9+ | 5  | 2* | 6  | 7  | 9         | 8  | 9+ | 9  | 7  | 9    | 9  | 9         | 9  | 9  | 9  | 8  | 4  | 3  | 15  |   |
| 16  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 6  | -  | -  | -  | -  | 2         | 2* | 9+ | 8  | 2* | 2  | 4  | 9         | 9  | 9+ | 9  | 8  | 9    | 9  | 9         | 9  | 8  | 9  | 9  | 4  | 4  | 16  |   |
| 17  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 8  | -  | -  | -  | -  | 5         | 4  | 9+ | 9  | 6  | 5  | 4  | 9         | 9  | 9+ | 9  | 9  | 8    | 9  | 9         | 8  | 8  | 9  | 9  | 5  | 4  | 17  |   |
| 18  | -         | -  | 1  | -  | -  | -  | -  | -         | -  | 9+ | 1  | -  | -  | -  | 8         | 8  | 9+ | 9  | 8  | 8  | 4  | 9+        | 9  | 9+ | 9+ | 9  | 8    | 9  | 9         | 9  | 9+ | 9  | 9  | 7  | 6  | 18  |   |
| 19  | -         | -  | 7  | -  | -  | -  | -  | -         | -  | 9+ | 6  | -  | -  | -  | 9         | 9  | 9+ | 9  | 9  | 6  | 7  | 9+        | 9+ | 9+ | 9+ | 9+ | 8    | 9  | 9         | 8  | 9+ | 9  | 8  | 9  | 5  | 19  |   |
| 20  | -         | -  | 9+ | 1  | -  | -  | -  | 6         | 2  | 9+ | 8  | 3  | 4  | -  | 9+        | 9+ | 9+ | 9+ | 9+ | 3  | 9  | 9+        | 9+ | 9+ | 9+ | 9+ | 8    | 9+ | 9         | 6  | 9+ | 9  | 7  | 9  | 6  | 20  |   |
| 21  | -         | -  | 9+ | 6  | -  | -  | -  | 7         | 5  | 9+ | 9  | 7  | 6  | 1  | 9+        | 9+ | 9+ | 9+ | 9+ | 6* | 9+ | 9+        | 9  | 9+ | 9+ | 9+ | 8    | 9+ | 8         | 1  | 9  | 8  | 6  | 9  | 7  | 21  |   |
| 22  | 6         | -  | 9+ | 8  | 2  | -  | -  | 9         | 7  | 9+ | 9  | 8  | 8  | 6  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 9+        | 8  | 9+ | 9+ | 9+ | 8    | 9+ | 6         | 1  | 9  | 7  | 5  | 9  | 8  | 22  |   |
| 23  | 7         | -  | 9+ | 8  | 5  | -  | 4  | 9         | 6  | 9+ | 9+ | 9  | 8  | 9  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 9+        | 9  | 9+ | 9+ | 9+ | 9    | 9+ | 5         | 1  | 9  | 7  | 5  | 8  | 8  | 23  |   |
|     | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC   | NA | EU        | FE | SA | AF | AS | OC | NA |     |   |



Aug., Paraguay (Asuncion), for SSN = High, Sigs in S-Units. By N6BV, ARRL.

|     | 80 Meters |    |    |    |    |    |    | 40 Meters |    |    |    |    |    |    | 20 Meters |    |    |    |    |    |    | 15 Meters |    |    |    |    |    |    | 10 Meters |    |    |    |    |    |    |     |
|-----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----|
| UTC | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | UTC |
| 0   | 9         | -  | 9+ | 9  | 5  | -  | 7  | 9         | 2  | 9+ | 9+ | 9  | -  | 9+ | 9+        | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9         | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 3         | 4  | 9  | 8  | 4  | 9  | 8  | 0   |
| 1   | 9         | -  | 9+ | 9  | 5  | -  | 8  | 9+        | -  | 9+ | 9+ | 9  | -  | 9+ | 9+        | 9  | 9+ | 9+ | 9+ | 8  | 9+ | 9         | 8  | 9+ | 9+ | 9  | 9  | 9+ | 2         | 2  | 9  | 5  | -  | 8  | 7  | 1   |
| 2   | 8         | -  | 9+ | 9  | -  | -  | 9  | 9+        | -  | 9+ | 9+ | 8  | -  | 9+ | 9+        | 8  | 9+ | 9+ | 9+ | 9  | 9+ | 9         | 8  | 9+ | 9+ | 9  | 9+ | 1  | 2         | 9  | 1  | 4  | 8  | 8  | 2  |     |
| 3   | 8         | -  | 9+ | 8  | -  | -  | 9  | 9         | -  | 9+ | 9+ | 7  | 6  | 9+ | 9+        | 5  | 9+ | 9+ | 9+ | 9+ | 9+ | 9         | 8  | 9+ | 8  | 9  | 9+ | 9+ | -         | 1  | 8  | 1  | 5  | 9  | 4  | 3   |
| 4   | 8         | -  | 9+ | 9  | -  | -  | 9  | 9         | -  | 9+ | 9+ | 2  | 8  | 9+ | 9+        | 5  | 9+ | 9+ | 9+ | 9+ | 9+ | 9         | 9  | 9+ | 8  | 9+ | 9+ | 9  | 1         | 1  | 8  | -  | 6  | 9  | 4  | 4   |
| 5   | 7         | -  | 9+ | 9  | -  | 5  | 9  | 9         | -  | 9+ | 9+ | -  | 8  | 9+ | 9+        | 8  | 9+ | 9+ | 9  | 9  | 9+ | 9         | 8  | 9+ | 9  | 9  | 9  | 9  | 1         | 5  | 8  | 3  | 5  | 8  | 1  | 5   |
| 6   | -         | -  | 9+ | 9  | -  | 6  | 9  | 8         | -  | 9+ | 9  | -  | 9  | 9+ | 9+        | 9  | 9+ | 9+ | 8  | 9+ | 9+ | 8         | 9  | 9  | 8  | 8  | 9+ | 8  | 1         | 4  | -  | 1  | 1  | 7  | -  | 6   |
| 7   | -         | -  | 9+ | 8  | -  | 7  | 9  | 7         | -  | 9+ | 9  | -  | 9  | 9+ | 9         | 9  | 9+ | 9  | 4  | 9+ | 9+ | 2         | 8  | 8  | 3  | 2  | 9  | 8  | -         | 1  | -  | -  | -  | 2  | 1  | 7   |
| 8   | -         | -  | 9+ | 2  | -  | 8  | 9  | -         | 1  | 9+ | 8  | -  | 9  | 9+ | 8         | 9  | 9+ | 8  | 3  | 9+ | 9+ | 1         | 7  | 3  | 1  | -  | 8  | 6  | -         | -  | -  | -  | -  | -  | -  | 8   |
| 9   | -         | -  | 9+ | -  | -  | 7  | 9  | -         | 5  | 9+ | 5  | -  | 9  | 9  | 9         | 9  | 9+ | 9  | 7  | 9  | 9  | 7         | 1  | -  | 6  | 3  | 2  | 1  | -         | -  | -  | -  | 1  | -  | -  | 9   |
| 10  | -         | -  | 9+ | -  | -  | 7  | 8  | -         | 6  | 9+ | 2  | -  | 9  | 9  | 8         | 9+ | 9  | 9+ | 8  | 9+ | 9+ | 9         | 9  | -  | 9  | 8  | 1* | -  | -         | -  | -  | 7  | 6  | -  | -  | 10  |
| 11  | -         | -  | 9+ | -  | -  | -  | 2  | -         | 2  | 9+ | -  | -  | 8  | 8  | 5         | 9+ | 9+ | 8  | 9  | 9+ | 9+ | 9         | 9  | 3  | 9  | 9  | 7  | 6  | 2         | 8  | -  | 9  | 8  | -  | -  | 11  |
| 12  | -         | -  | 9+ | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | 6  | 4  | 2         | 9  | 9+ | 5  | 6* | 9+ | 9+ | 9         | 9  | 9  | 9  | 7  | 9+ | 9  | 7         | 9  | 2  | 9  | 8  | 2  | -  | 12  |
| 13  | -         | -  | 2  | -  | -  | -  | -  | -         | -  | 9  | -  | -  | -  | -  | -         | 8  | 9+ | 3  | 4* | 9  | 9  | 8         | 8  | 9+ | 9  | 7* | 9+ | 9  | 8         | 9  | 9+ | 9  | 8  | 8  | -  | 13  |
| 14  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 7  | -  | -  | -  | -  | -         | 1* | 9+ | 3  | 3* | 8  | 8  | 9         | 8  | 9+ | 9  | 6  | 9  | 9  | 9         | 9  | 9  | 9  | 8  | 9  | 2  | 14  |
| 15  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 5  | -  | -  | -  | -  | -         | 1* | 9+ | 4  | 1* | 5  | 6  | 9         | 8  | 9+ | 9  | 7  | 9  | 9  | 8         | 9  | 8  | 9  | 8  | 9  | 4  | 15  |
| 16  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 5  | -  | -  | -  | -  | 1         | 1* | 9+ | 6  | 1  | 2  | 4  | 8         | 8  | 9+ | 9  | 8  | 9  | 9  | 9         | 9  | 9  | 9  | 9  | 7  | 6  | 16  |
| 17  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 6  | -  | -  | -  | -  | 4         | 2* | 9+ | 8  | 6  | 4  | 3  | 9         | 9  | 9+ | 9  | 9  | 9  | 9  | 9         | 9  | 9  | 9  | 9  | 6  | 5  | 17  |
| 18  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | -  | -  | 8         | 8  | 9+ | 9  | 8  | 6  | 6  | 9+        | 9  | 9+ | 9+ | 9  | 8  | 9  | 9         | 9  | 9+ | 9  | 9  | 8  | 8  | 18  |
| 19  | -         | -  | 5  | -  | -  | -  | -  | -         | -  | 9+ | 5  | -  | -  | -  | 9         | 9  | 9+ | 9  | 9  | 9  | 7  | 9+        | 9+ | 9+ | 9+ | 9+ | 8  | 9  | 9         | 9  | 9+ | 9+ | 9  | 9  | 6  | 19  |
| 20  | -         | -  | 9+ | 1  | -  | -  | -  | 5         | 1* | 9+ | 8  | 2  | -  | -  | 9+        | 9+ | 9+ | 9+ | 9+ | 6  | 9  | 9+        | 9+ | 9+ | 9+ | 9+ | 8  | 9+ | 9         | 8  | 9+ | 9  | 8  | 9  | 9  | 20  |
| 21  | -         | -  | 9+ | 5  | -  | -  | -  | 7         | 5  | 9+ | 9  | 7  | 6  | 4  | 9+        | 9+ | 9+ | 9+ | 9+ | 8  | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 7  | 9+ | 8         | 5  | 9+ | 9  | 8  | 9  | 9  | 21  |
| 22  | 6         | -  | 9+ | 7  | 2  | -  | -  | 8         | 6  | 9+ | 9  | 8  | 6  | 7  | 9+        | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+        | 9  | 9+ | 9+ | 9+ | 8  | 9+ | 5         | 2  | 9+ | 8  | 6  | 9  | 9  | 22  |
| 23  | 8         | -  | 9+ | 8  | 5  | -  | 5  | 9         | 5  | 9+ | 9+ | 8  | 6  | 8  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 9+        | 8  | 9+ | 9+ | 9+ | 9  | 9+ | 2         | 2  | 9+ | 8  | 5  | 9  | 9  | 23  |
|     | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA |     |

**Sep., Paraguay (Asuncion), for SSN = High, Sigs in S-Units. By N6BV, ARRL.**

| 80 Meters |    |    |    |    |    |    |    | 40 Meters |    |    |    |    |    |    |    | 20 Meters |    |    |    |    |    |    |    | 15 Meters |    |    |    |    |    |    |    | 10 Meters |    |    |    |     |  |  |  |  |
|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|-----|--|--|--|--|
| UTC       | EU | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU | FE        | SA | AF | AS | OC | NA | EU | FE | SA        | AF | AS | OC | NA | EU | FE | SA | AF        | AS | OC | NA | UTC |  |  |  |  |
| 0         | 9  | -  | 9+ | 8  | 6  | -  | 8  | 9         | 2  | 9+ | 9+ | 9  | -  | 9  | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 9+ | 9  | 9+ | 9+        | 9+ | 9+ | 9  | 9+ | -  | 8  | 9+ | 9         | 6  | 9  | 7  | 0   |  |  |  |  |
| 1         | 9  | -  | 9+ | 8  | 5  | -  | 9  | 9+        | -  | 9+ | 9+ | 9  | -  | 9+ | 9+ | 9         | 9+ | 9+ | 9+ | 9  | 9+ | 9  | 9+ | 9+        | 9+ | 9  | 9+ | -  | 9  | 9+ | 8  | -         | 9  | 6  | 1  |     |  |  |  |  |
| 2         | 8  | -  | 9+ | 9  | 1  | -  | 9  | 9+        | -  | 9+ | 9+ | 8  | -  | 9+ | 9+ | 8         | 9+ | 9+ | 9+ | 9  | 9+ | 9  | 9+ | 9+        | 9+ | 9  | 9+ | -  | 5  | 9+ | 2  | 5         | 9  | 8  | 2  |     |  |  |  |  |
| 3         | 9  | -  | 9+ | 9  | -  | -  | 8  | 9+        | -  | 9+ | 9+ | 7  | 6  | 9+ | 9+ | 5         | 9+ | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 9         | 9+ | 9+ | 9+ | 9  | -  | 7  | 9  | 1         | 9  | 9  | 5  | 3   |  |  |  |  |
| 4         | 8  | -  | 9+ | 9  | -  | -  | 9  | 9         | -  | 9+ | 9+ | 2  | 8  | 9+ | 9+ | 8         | 9+ | 9+ | 9+ | 9+ | 9+ | 9  | 9  | 9+        | 8  | 9+ | 9+ | 8  | -  | 7  | 9  | -         | 9  | 9+ | 5  | 4   |  |  |  |  |
| 5         | 7  | -  | 9+ | 9  | -  | 5  | 9  | 9         | -  | 9+ | 9+ | -  | 8  | 9+ | 9+ | 9         | 9+ | 9+ | 9  | 9+ | 9+ | 9  | 9  | 9+        | -  | 9+ | 9+ | 8  | -  | 6  | 9  | 4         | 9  | 9+ | 3  | 5   |  |  |  |  |
| 6         | -  | -  | 9+ | 9  | -  | 7  | 9  | 9         | -  | 9+ | 9  | -  | 9  | 9+ | 9+ | 9         | 9+ | 9+ | 8  | 9+ | 9+ | 8  | 9+ | 9+        | 9  | 9+ | 8  | 1  | 5  | 2  | 1  | 4         | 8  | 1  | 6  |     |  |  |  |  |
| 7         | -  | -  | 9+ | 8  | -  | 7  | 9  | 8         | -  | 9+ | 9  | -  | 9  | 9+ | 9+ | 9+        | 9  | 7  | 6  | 9+ | 9+ | 4  | 9  | 9+        | 5  | 1  | 9+ | 8  | -  | 2  | 7  | -         | -  | 7  | -  | 7   |  |  |  |  |
| 8         | -  | -  | 9+ | 2  | -  | 8  | 8  | -         | 3  | 9+ | 8  | -  | 9  | 9+ | 9  | 9+        | 9  | 9  | 5  | 9+ | 9+ | 2  | 8  | 9         | 4  | 2  | 8  | 7  | -  | -  | 1  | -         | -  | 1  | -  | 8   |  |  |  |  |
| 9         | -  | -  | 9+ | -  | -  | 7  | 8  | -         | 7  | 9+ | 6  | -  | 9  | 9+ | 9  | 9+        | 9+ | 9+ | 8  | 9+ | 9+ | 8  | 8  | 5         | 9  | 7  | 5  | 1  | 2  | 2  | -  | 5         | 2  | -  | -  | 9   |  |  |  |  |
| 10        | -  | -  | 9+ | -  | -  | -  | 6  | -         | 6  | 9+ | 1  | -  | 9  | 9  | 8  | 9+        | 9+ | 9+ | 8  | 9+ | 9+ | 9+ | 9  | 8         | 9+ | 9  | 8  | 3  | 9  | 9  | -  | 9         | 8  | -  | -  | 10  |  |  |  |  |
| 11        | -  | -  | 9+ | -  | -  | -  | 1  | -         | -  | 9+ | -  | -  | 8  | 7  | 5  | 9+        | 9+ | 8  | 9  | 9+ | 9+ | 9  | 9  | 9         | 9+ | 9  | 9+ | 9  | 9  | 9  | -  | 9         | 8  | 5  | -  | 11  |  |  |  |  |
| 12        | -  | -  | 7  | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | -  | 3  | 2  | 8         | 9+ | 7  | 7* | 9+ | 9+ | 8  | 9  | 9+        | 9  | 8  | 9+ | 9+ | 9  | 9  | 9+ | 9         | 8  | 9+ | 5  | 12  |  |  |  |  |
| 13        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 8  | -  | -  | -  | -  | 1  | 7*        | 9+ | 5  | 6* | 9  | 9  | 8  | 8  | 9+        | 8  | 6  | 9  | 9+ | 8  | 9  | 9+ | 9         | 8  | 9  | 8  | 13  |  |  |  |  |
| 14        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 5  | -  | -  | -  | -  | -  | 2*        | 9+ | 3  | 2* | 8  | 7  | 9  | 5  | 9+        | 8  | 5  | 8  | 9+ | 8  | 9  | 9+ | 9         | 8  | 9  | 8  | 14  |  |  |  |  |
| 15        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 2  | -  | -  | -  | -  | -  | -         | 9+ | 3  | -  | 5  | 5  | 7  | 7  | 9+        | 9  | 6  | 7  | 9  | 9  | 9  | 9+ | 9         | 8  | 9  | 9  | 15  |  |  |  |  |
| 16        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 3  | -  | -  | -  | -  | -  | -         | 9+ | 5  | -  | 3  | 4  | 8  | 7  | 9+        | 9  | 8  | 8  | 8  | 9  | 9  | 9  | 9         | 9  | 8  | 9  | 16  |  |  |  |  |
| 17        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 5  | -  | -  | -  | -  | 5  | 1         | 9+ | 8  | 5  | 4  |    |    |    |           |    |    |    |    |    |    |    |           |    |    |    |     |  |  |  |  |

**Oct., Paraguay (Asuncion), for SSN = High, Sigs in S-Units. By N6BV, ARRL.**

|     | 80 Meters |    |    |    |    |    |    | 40 Meters |    |    |    |    |    |    | 20 Meters |    |    |    |    |    |    | 15 Meters |    |    |    |    |    |    | 10 Meters |    |    |    |    |    |    |     |    |
|-----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----|----|
| UTC | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | UTC |    |
| 0   | 9         | -  | 9+ | 9  | 6  | -  | 8  | 9         | 2  | 9+ | 9+ | 9  | -  | 9  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 8         | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | -         | 9  | 9+ | 9+ | 9  | 9  | 9  | 0   |    |
| 1   | 9         | -  | 9+ | 9  | 6  | -  | 9  | 9         | -  | 9+ | 9+ | 9  | -  | 9+ | 9+        | 9  | 9+ | 9+ | 9+ | 9  | 9+ | 8         | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | -         | 9+ | 9+ | 9  | 3* | 9  | 9  | 1   |    |
| 2   | 9         | -  | 9+ | 9  | 5  | -  | 9  | 9+        | -  | 9+ | 9+ | 9  | -  | 9+ | 9+        | 8  | 9+ | 9+ | 9+ | 9  | 9+ | 9         | 9+ | 9+ | 9+ | 9  | 9+ | 9+ | -         | 9  | 9+ | 8  | 4* | 9  | 8  | 2   |    |
| 3   | 9         | -  | 9+ | 9  | -  | -  | 9  | 9         | -  | 9+ | 9+ | 8  | 6  | 9+ | 9+        | 8  | 9+ | 9+ | 9+ | 9+ | 9+ | 9+        | 8  | 9  | 9+ | 9+ | 9+ | 9+ | 9+        | -  | 9  | 9+ | 6  | 8  | 9+ | 9   | 3  |
| 4   | 8         | -  | 9+ | 9  | -  | -  | 9  | 9         | -  | 9+ | 9+ | 6  | 8  | 9+ | 9+        | 9  | 9+ | 9+ | 9+ | 9+ | 9+ | 9+        | 6  | 9  | 9+ | -  | 9+ | 9+ | 9+        | -  | 9  | 9+ | 1* | 9  | 9+ | 9   | 4  |
| 5   | 7         | -  | 9+ | 8  | -  | 6  | 9  | 9         | -  | 9+ | 9+ | -  | 9  | 9+ | 9         | 9  | 9+ | 9+ | 9  | 9+ | 9+ | 1         | 9+ | 9+ | 2  | 9+ | 9+ | 9+ | -         | 9  | 9+ | 8  | 9  | 9+ | 8  | 5   |    |
| 6   | 6         | -  | 9+ | 9  | -  | 7  | 9  | 9         | -  | 9+ | 9+ | -  | 9  | 9+ | 9+        | 9  | 9+ | 9+ | 9  | 9+ | 9+ | 9         | 9+ | 9+ | 9+ | 9+ | 9  | 8  | 1         | 9  | 9  | 9  | 9  | 9+ | -  | 6   |    |
| 7   | -         | -  | 9+ | 8  | -  | 7  | 8  | 8         | 1  | 9+ | 9  | -  | 9  | 9+ | 9+        | 9+ | 9+ | 8  | 9+ | 9+ | 9  | 9+        | 9  | 9+ | 9  | 9  | 9  | 9+ | 6         | 3  | 6  | 9  | 5  | 3  | 8  | -   | 7  |
| 8   | -         | -  | 9+ | 2  | -  | 7  | 8  | 6         | 5  | 9+ | 8  | -  | 9  | 9+ | 9+        | 9+ | 9+ | 8  | 9+ | 9+ | 8  | 9         | 9  | 9  | 9  | 7  | 9+ | 8  | 1         | 4  | 4  | 6  | 2  | 6  | 1  | 8   |    |
| 9   | -         | -  | 9+ | -  | -  | 7  | 8  | -         | 7  | 9+ | 5  | -  | 9  | 9  | 9         | 9+ | 9+ | 9+ | 9+ | 8  | 9+ | 9         | 9  | 8  | 8  | 9  | 8  | 9+ | 3         | 6  | 9  | -  | 9  | 7  | 4  | -   | 9  |
| 10  | -         | -  | 9+ | -  | -  | -  | 5  | -         | 6  | 9+ | 1  | -  | 8  | 9  | 8         | 9+ | 9+ | 9+ | 9+ | 8* | 9+ | 9         | 9  | 9  | 9  | 9  | 9  | 9+ | 6         | 9  | 9  | 5  | 9  | 9  | 7  | -   | 10 |
| 11  | -         | -  | 9+ | -  | -  | -  | 1  | -         | -  | 9+ | -  | -  | 7  | 7  | 5         | 9+ | 9+ | 9  | 8  | 8  | 9+ | 9         | 9  | 9  | 9+ | 9  | 9+ | 9+ | 9         | 9  | 9  | 9  | 9+ | 9  | 9+ | -   | 11 |
| 12  | -         | -  | 5  | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | -  | 3  | 2         | 7  | 9+ | 5  | 5* | 9  | 9+ | 8         | 9  | 9+ | 9  | 8  | 9+ | 9+ | 9         | 9  | 9  | 7  | 9+ | 8  | 9  | 9   | 12 |
| 13  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | -  | -  | 2*        | 6* | 9+ | 4  | 3* | 9  | 9  | 8         | 8  | 9+ | 8  | 8* | 9  | 9+ | 9         | 9  | 9  | 9  | 9  | 8  | 9  | 9   | 13 |
| 14  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 6  | -  | -  | -  | -  | 1*        | 1* | 9+ | 2  | 1* | 8  | 7  | 9         | 7  | 9+ | 9  | 6  | 8  | 9  | 8         | 9  | 9  | 9  | 9  | 8  | 9  | 9   | 14 |
| 15  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 4  | -  | -  | -  | -  | -         | -  | 9+ | 2  | -  | 4  | 5  | 7         | 5  | 9+ | 8  | 7  | 7  | 9  | 9         | 9  | 9+ | 9  | 8  | 9  | 9  | 15  |    |
| 16  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 4  | -  | -  | -  | -  | -         | -  | 9+ | 5  | -  | 1  | 4  | 8         | 6  | 9+ | 9  | 7  | 9  | 9  | 9         | 9  | 9+ | 9  | 9  | 9  | 9  | 16  |    |
| 17  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 5  | -  | -  | -  | -  | 2         | -  | 9+ | 8  | 3  | 2  | 2  | 9         | 8  | 9+ | 9  | 9  | 8  | 8  | 9         | 9  | 9+ | 9+ | 9  | 9  | 9  | 17  |    |
| 18  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 8  | -  | -  | -  | -  | 8         | 2* | 9+ | 9  | 8  | 5  | 3  | 9         | 9  | 9+ | 9+ | 9  | 9  | 9  | 9+        | 9  | 9+ | 9  | 9  | 9  | 9  | 18  |    |
| 19  | -         | -  | 3  | -  | -  | -  | -  | -         | -  | 9+ | 3  | -  | -  | -  | 9         | 9  | 9+ | 9  | 9  | 8  | 8  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9  | 9         | 9  | 9+ | 9+ | 9  | 9  | 9  | 19  |    |
| 20  | -         | -  | 9  | -  | -  | -  | -  | -         | -  | 9+ | 7  | -  | -  | 1  | 9+        | 9  | 9+ | 9+ | 9+ | 9  | 9  | 9+        | 9+ | 9+ | 9+ | 9  | 8  | 9+ | 8         | 9  | 9  | 9+ | 9  | 9  | 9  | 20  |    |
| 21  | -         | -  | 9+ | 3  | -  | -  | -  | 7         | 1  | 9+ | 9  | 7  | -  | 4  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 8  | 9+ | 6         | 9  | 9+ | 9+ | 9  | 8  | 9+ | 21  |    |
| 22  | -         | -  | 9+ | 7  | -  | -  | 3  | 9         | 5  | 9+ | 9+ | 8  | 2  | 7  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 9+        | 9  | 9+ | 9+ | 9+ | 9+ | 9+ | 5         | 9  | 9+ | 9+ | 9  | 9  | 9  | 22  |    |
| 23  | 8         | -  | 9+ | 9  | 5  | -  | 5  | 9         | 5  | 9+ | 9+ | 9  | -  | 8  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 9         | 9  | 9+ | 9+ | 9+ | 9+ | 9+ | 1         | 9  | 9+ | 9+ | 9  | 9  | 9  | 23  |    |
|     | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA |     |    |

Nov., Paraguay (Asuncion), for SSN = High, Sigs in S-Units. By N6BV, ARRL.

|     | 80 Meters |    |    |    |    |    |    | 40 Meters |    |    |    |    |    |    | 20 Meters |    |    |    |    |    |    | 15 Meters |    |    |    |    |    |    | 10 Meters |    |    |    |    |    |    |     |   |
|-----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----|---|
| UTC | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | UTC |   |
| 0   | 8         | -  | 9+ | 9  | 6  | -  | 8  | 9         | 2  | 9+ | 9+ | 9  | -  | 9  | 9+        | 9+ | 9+ | 9+ | 9+ | 8  | 9+ | 5         | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | -         | 9  | 9+ | 9+ | 7  | 9  | 9+ | 0   |   |
| 1   | 9         | -  | 9+ | 9  | 6  | -  | 9  | 9         | -  | 9+ | 9+ | 9  | -  | 9+ | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 5         | 9+ | 9+ | 9+ | 9  | 9  | 9+ | -         | 9+ | 9+ | 9  | 2* | 9  | 9  | 1   |   |
| 2   | 9         | -  | 9+ | 8  | 5  | -  | 9  | 9+        | -  | 9+ | 9+ | 9  | -  | 9+ | 9+        | 9  | 9+ | 9+ | 9+ | 9  | 9+ | 5         | 9+ | 9+ | 9+ | 4  | 9+ | 9+ | -         | 9+ | 9+ | 5  | 1* | 9  | 5  | 2   |   |
| 3   | 9         | -  | 9+ | 8  | -  | -  | 9  | 9+        | -  | 9+ | 9+ | 8  | 7  | 9+ | 9+        | 9  | 9+ | 9+ | 9+ | 9+ | 9+ | 9+        | 5  | 9+ | 9+ | 9+ | 9+ | 9+ | 9+        | -  | 9  | 9+ | 2  | 6  | 9  | 5   | 3 |
| 4   | 8         | -  | 9+ | 8  | -  | -  | 9  | 9         | -  | 9+ | 9+ | 7  | 8  | 9+ | 9+        | 9  | 9+ | 9+ | 9+ | 9+ | 9+ | 9         | 9+ | 9+ | 1  | 9+ | 9+ | 9  | -         | 9  | 9+ | -  | 9  | 9+ | 5  | 4   |   |
| 5   | 8         | -  | 9+ | 8  | -  | 6  | 9  | 9         | -  | 9+ | 9+ | -  | 9  | 9+ | 9         | 9  | 9+ | 9+ | 9  | 9  | 9+ | 9+        | 2* | 9+ | 9+ | 6  | 9+ | 9+ | 9         | -  | 8  | 9  | 8  | 9  | 9+ | 5   | 5 |
| 6   | 6         | -  | 9+ | 8  | -  | 7  | 9  | 9         | -  | 9+ | 9  | -  | 9  | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 9+ | 9+ | 6         | 9+ | 9+ | 9+ | 9+ | 9+ | 8  | -         | 7  | 7  | 8  | 8  | 9  | -  | 6   |   |
| 7   | -         | -  | 9+ | 7  | -  | 7  | 9  | 8         | 3  | 9+ | 9  | -  | 9  | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 9+ | 9+ | 9         | 9+ | 9  | 9  | 9  | 9+ | 4  | 1         | 2  | 9  | 5  | 3  | 9  | -  | 7   |   |
| 8   | -         | -  | 9+ | 1  | -  | 7  | 8  | 6         | 6  | 9+ | 8  | -  | 9  | 9+ | 9+        | 9+ | 9+ | 9  | 9+ | 9+ | 8  | 7         | 9  | 9  | 8  | 9+ | 7  | 1  | 5         | 5  | 6  | 3  | 6  | -  | 8  |     |   |
| 9   | -         | -  | 9+ | -  | -  | 5  | 8  | 2         | 7  | 9+ | 5  | -  | 9  | 9  | 9         | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 9         | 9  | 8  | 9  | 9  | 8  | 9+ | 6         | 5  | 8  | 1  | 8  | 6  | 6  | -   | 9 |
| 10  | -         | -  | 9+ | -  | -  | -  | 5  | -         | 4  | 9+ | 1  | -  | 8  | 9  | 8         | 9  | 9+ | 9  | 8* | 9+ | 9+ | 9+        | 9  | 9+ | 9+ | 9+ | 9+ | 5  | 9         | 9  | 7  | 9  | 9  | 8  | -  | 10  |   |
| 11  | -         | -  | 9+ | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | 6  | 6  | 6         | 8* | 9+ | 8  | 8  | 9+ | 9+ | 9         | 9  | 9+ | 9+ | 9  | 9+ | 9  | 9         | 9  | 9+ | 9  | 9  | 9  | -  | 11  |   |
| 12  | -         | -  | 8  | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | -  | 2  | 3         | 8* | 9+ | 5  | 5  | 9  | 9+ | 8         | 8  | 9+ | 9  | 8  | 9+ | 9+ | 9         | 9  | 9+ | 9  | 9  | 9  | 9  | 12  |   |
| 13  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 8  | -  | -  | -  | -  | 1*        | 4* | 9+ | 3  | 2* | 9  | 9  | 8         | 8  | 9+ | 9  | 6  | 9  | 9+ | 9         | 9  | 9  | 9  | 8  | 9  | 9+ | 13  |   |
| 14  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 6  | -  | -  | -  | -  | -         | 1* | 9+ | 2  | 1* | 6  | 7  | 7         | 6  | 9+ | 8  | 6  | 8  | 9  | 9         | 9  | 9  | 9  | 8  | 9  | 9+ | 14  |   |
| 15  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 5  | -  | -  | -  | -  | -         | -  | 9+ | 2  | -  | 3  | 4  | 7         | 5  | 9+ | 8  | 7  | 9  | 9  | 9         | 9  | 9+ | 9  | 8  | 9  | 9+ | 15  |   |
| 16  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 4  | -  | -  | -  | -  | -         | -  | 9+ | 3  | -  | 1  | 2  | 8         | 6  | 9+ | 9  | 8  | 8  | 9  | 9         | 9  | 9+ | 9  | 9  | 8  | 9  | 16  |   |
| 17  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 5  | -  | -  | -  | -  | 2         | -  | 9+ | 7  | 3  | 3  | 1  | 9         | 8  | 9+ | 9  | 9  | 8  | 9  | 9         | 9  | 9+ | 9  | 9  | 9  | 9  | 17  |   |
| 18  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 7  | -  | -  | -  | -  | 7         | 1  | 9+ | 9  | 7  | 5  | 4  | 9         | 9  | 9+ | 9+ | 9  | 8  | 9  | 9         | 9  | 9+ | 9  | 9  | 8  | 9  | 18  |   |
| 19  | -         | -  | 2  | -  | -  | -  | -  | -         | -  | 9  | 2  | -  | -  | -  | 9         | 9  | 9+ | 9  | 9  | 7  | 7  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 8         | 9  | 9+ | 9+ | 9  | 8  | 9  | 19  |   |
| 20  | -         | -  | 9  | -  | -  | -  | -  | -         | -  | 9+ | 6  | -  | -  | 1  | 9+        | 9  | 9+ | 9+ | 9  | 8  | 9  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 7         | 9  | 9+ | 9+ | 9+ | 8  | 9+ | 20  |   |
| 21  | -         | -  | 9+ | 2  | -  | -  | -  | 7         | -  | 9+ | 8  | 3  | -  | 4  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 8  | 9+ | 5         | 7  | 9+ | 9+ | 9+ | 8  | 9+ | 21  |   |
| 22  | -         | -  | 9+ | 6  | -  | -  | 3  | 8         | 5  | 9+ | 9  | 8  | -  | 7  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 9         | 9  | 9+ | 9+ | 9+ | 9+ | 9+ | 2         | 9  | 9+ | 9+ | 9  | 8  | 9+ | 22  |   |
| 23  | 8         | -  | 9+ | 8  | 2  | -  | 6  | 9         | 5  | 9+ | 9+ | 9  | -  | 8  | 9+        | 9+ | 9+ | 9+ | 9+ | 8  | 9+ | 9         | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | -         | 9+ | 9+ | 9+ | 9  | 9  | 9+ | 23  |   |
|     | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA |     |   |

**Dec., Paraguay (Asuncion), for SSN = High, Sigs in S-Units. By N6BV, ARRL.**

[illegible]

**Jan., Paraguay (Asuncion), for SSN = Medium, Sigs in S-Units. By N6BV, ARRL.**

| 80 Meters |    |    |    |    |    |    |    | 40 Meters |    |    |    |    |    |    |    | 20 Meters |    |    |    |    |    |    |    | 15 Meters |    |    |    |    |    |    |    | 10 Meters |    |    |    |     |  |  |  |  |
|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|-----|--|--|--|--|
| UTC       | EU | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU | FE        | SA | AF | AS | OC | NA | EU | FE | SA        | AF | AS | OC | NA | EU | FE | SA | AF        | AS | OC | NA | UTC |  |  |  |  |
| 0         | 8  | -  | 9+ | 8  | 6  | -  | 8  | 9         | 6  | 9+ | 9+ | 9  | -  | 9  | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 9+ | 4  | 9  | 9+        | 9  | 7  | 9+ | 9+ | -  | 7  | 9+ | 1         | -  | 8  | 8  | 0   |  |  |  |  |
| 1         | 9  | -  | 9+ | 9  | 6  | -  | 8  | 9+        | -  | 9+ | 9+ | 9  | -  | 9+ | 9+ | 9+        | 9+ | 9  | 9  | 9  | 9+ | 2  | 9+ | 9+        | 8  | -  | 9+ | 9  | -  | 6  | 9  | -         | -  | 7  | 1  | 1   |  |  |  |  |
| 2         | 9  | -  | 9+ | 8  | 5  | -  | 9  | 9+        | -  | 9+ | 9+ | 9  | -  | 9+ | 9+ | 9         | 9+ | 8  | 9  | 9+ | 2  | 9+ | 9+ | 7         | -  | 9+ | 8  | -  | 8  | 6  | -  | -         | 4  | -  | 2  |     |  |  |  |  |
| 3         | 9  | -  | 9+ | 8  | -  | -  | 9  | 9+        | -  | 9+ | 9+ | 8  | 7  | 9+ | 9+ | 9         | 9+ | 9+ | 9+ | 9+ | 9+ | 1  | 9+ | 9+        | 4  | 4  | 9+ | 9  | -  | 7  | 3  | -         | -  | 2  | -  | 3   |  |  |  |  |
| 4         | 9  | -  | 9+ | 8  | -  | -  | 9  | 9         | -  | 9+ | 9+ | 7  | 8  | 9+ | 9  | 9         | 9+ | 9+ | 9  | 9+ | 9+ | 1  | 9+ | 9+        | 3  | 8  | 9+ | 9  | -  | 4  | 1  | -         | -  | 2  | -  | 4   |  |  |  |  |
| 5         | 8  | -  | 9+ | 8  | -  | 6  | 9  | 9         | -  | 9+ | 9+ | -  | 9  | 9+ | 8  | 9+        | 9+ | 8  | 9+ | 9+ | 9+ | -  | 8  | 9         | 6  | 6  | 9+ | 6  | -  | 1  | -  | -         | -  | 2  | -  | 5   |  |  |  |  |
| 6         | 6  | -  | 9+ | 8  | -  | 7  | 9  | 9         | 1  | 9+ | 9  | -  | 9  | 9+ | 8  | 9+        | 9+ | 9+ | 9  | 9+ | 9+ | -  | 7  | 7         | 7  | 5  | 9+ | -  | -  | -  | -  | -         | -  | 1  | -  | 6   |  |  |  |  |
| 7         | 5  | -  | 9+ | 8  | -  | 7  | 9  | 8         | 6  | 9+ | 9  | -  | 9  | 9+ | 9  | 9+        | 9+ | 9  | 9  | 9+ | 9  | 1  | 4  | 8         | 6  | -  | 9  | 1  | -  | -  | -  | -         | -  | -  | -  | 7   |  |  |  |  |
| 8         | -  | -  | 9+ | 4  | -  | 7  | 8  | 7         | 7  | 9+ | 8  | -  | 9  | 9+ | 9  | 9+        | 9  | 9  | 7  | 9+ | 9  | 1  | 3  | 4         | 6  | -  | 6  | 2  | -  | -  | -  | -         | -  | -  | -  | 8   |  |  |  |  |
| 9         | -  | -  | 9+ | -  | -  | 7  | 8  | 4         | 8  | 9+ | 7  | -  | 9  | 9  | 9  | 8         | 9+ | 9  | 8  | 9+ | 9  | 6  | 5  | 3         | 6  | 5  | 8  | -  | -  | 1  | -  | 1         | -  | 1  | -  | 9   |  |  |  |  |
| 10        | -  | -  | 9+ | -  | -  | -  | 5  | -         | 7  | 9+ | 2  | -  | 8  | 9  | 9  | 9         | 9+ | 9+ | 9  | 9+ | 8  | 8  | 9  | 5         | 9  | 8  | 9  | -  | -  | 2  | -  | 1         | -  | -  | -  | 10  |  |  |  |  |
| 11        | -  | -  | 9+ | -  | -  | -  | 1  | -         | -  | 9+ | -  | -  | 7  | 7  | 9  | 9         | 9+ | 9  | 9  | 9+ | 9  | 9+ | 9  | 9         | 9  | 9  | 9  | -  | 8  | 5  | -  | 5         | 1  | 1  | -  | 11  |  |  |  |  |
| 12        | -  | -  | 9  | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | -  | 6  | 4  | 5*        | 9+ | 8  | 6  | 9+ | 9+ | 9  | 9  | 9+        | 9  | 8  | 9  | 9  | 8  | 6  | 8  | 4         | 2  | 4  | -  | 12  |  |  |  |  |
| 13        | -  | -  | 1  | -  | -  | -  | -  | -         | -  | 9  | -  | -  | -  | -  | 1  | 2*        | 9+ | 4  | 2* | 9  | 9  | 9  | 9  | 9+        | 9  | 8  | 9  | 9+ | 8  | 7  | 9+ | 6         | 1  | 4  | 8  | 13  |  |  |  |  |
| 14        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 8  | -  | -  | -  | -  | -  | -         | 9+ | 4  | -  | 7  | 8  | 9  | 8  | 9         | 9  | 8  | 9  | 9  | 7  | 8  | 8  | 8         | 6  | 5  | 8  | 14  |  |  |  |  |
| 15        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 6  | -  | -  | -  | -  | -  | -         | 9+ | 5  | -  | 5  | 6  | 9  | 8  | 9+        | 8  | 7  | 8  | 9  | 6  | 6  | 9  | 8         | 8  | 2  | 8  | 15  |  |  |  |  |
| 16        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 5  | -  | -  | -  | -  | 1  | -         | 9+ | 5  | -  | 5  | 4  | 9  | 8  | 9+        | 9  | 8  | 7  | 9  | 9  | 5  | 9  | 8         | 9  | 1  | 8  | 16  |  |  |  |  |
| 17        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 6  | -  | -  | -  | -  | 4  | 1         | 9+ | 7  | 4  | 2  | 4  | 9  | 9  | 9+</      |    |    |    |    |    |    |    |           |    |    |    |     |  |  |  |  |

Feb., Paraguay (Asuncion), for SSN = Medium, Sigs in S-Units. By N6BV, ARRL.

| 80 Meters |    |    |    |    |    |    |    | 40 Meters |    |    |    |    |    |    |    | 20 Meters |    |    |    |    |    |    |    | 15 Meters |    |    |    |    |    |    |    | 10 Meters |    |    |    |     |  |  |  |  |
|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|-----|--|--|--|--|
| UTC       | EU | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU | FE        | SA | AF | AS | OC | NA | EU | FE | SA        | AF | AS | OC | NA | EU | FE | SA | AF        | AS | OC | NA | UTC |  |  |  |  |
| 0         | 8  | -  | 9+ | 8  | 6  | -  | 8  | 9         | 5  | 9+ | 9+ | 9  | -  | 9  | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 9+ | 6  | 9+ | 9+        | 9+ | 9  | 9+ | 9+ | -  | 9  | 9+ | 6         | 2  | 9  | 9  | 0   |  |  |  |  |
| 1         | 9  | -  | 9+ | 9  | 7  | -  | 8  | 9+        | -  | 9+ | 9+ | 9  | -  | 9+ | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 9+ | 5  | 9+ | 9+        | 9+ | 8  | 9  | 9+ | -  | 9  | 9+ | 4         | -  | 9  | 6  | 1   |  |  |  |  |
| 2         | 9  | -  | 9+ | 8  | 5  | -  | 9  | 9+        | -  | 9+ | 9+ | 9  | -  | 9+ | 9+ | 9         | 9+ | 9+ | 9  | 9+ | 9+ | 6  | 9+ | 9+        | 9  | 1* | 9+ | 9+ | -  | 8  | 9  | 1         | -  | 9  | 6  | 2   |  |  |  |  |
| 3         | 8  | -  | 9+ | 8  | -  | -  | 9  | 9+        | -  | 9+ | 9+ | 8  | 6  | 9+ | 9+ | 9         | 9+ | 9+ | 9  | 9+ | 9+ | 6  | 9+ | 9+        | 9  | 6  | 9+ | 8  | -  | 8  | 9  | -         | -  | 9  | 2  | 3   |  |  |  |  |
| 4         | 8  | -  | 9+ | 8  | -  | -  | 9  | 9         | -  | 9+ | 9+ | 7  | 8  | 9+ | 9+ | 8         | 9+ | 9+ | 9  | 9+ | 9+ | 5  | 9+ | 9+        | 8  | 9  | 9+ | 9  | -  | 8  | 9  | -         | 1  | 9  | -  | 4   |  |  |  |  |
| 5         | 8  | -  | 9+ | 8  | -  | 5  | 9  | 9         | -  | 9+ | 9+ | -  | 9  | 9+ | 9  | 9         | 9+ | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 9+        | 7  | 9  | 9+ | 8  | -  | 5  | 8  | -         | 5  | 8  | -  | 5   |  |  |  |  |
| 6         | 6  | -  | 9+ | 8  | -  | 7  | 9  | 9         | -  | 9+ | 9+ | -  | 9  | 9+ | 9  | 9+        | 9+ | 9+ | 9  | 9+ | 9+ | -  | 9+ | 9         | 8  | 8  | 9+ | 4  | -  | 2  | 2  | 1         | 1  | 4  | -  | 6   |  |  |  |  |
| 7         | -  | -  | 9+ | 8  | -  | 7  | 9  | 8         | 2  | 9+ | 9  | -  | 9  | 9+ | 9+ | 9+        | 9+ | 4  | 9  | 9+ | 9+ | 4  | 8  | 9         | 6  | 5  | 9+ | 1  | -  | 1  | 5  | -         | -  | 3  | -  | 7   |  |  |  |  |
| 8         | -  | -  | 9+ | 3  | -  | 7  | 8  | 6         | 6  | 9+ | 9  | -  | 9  | 9+ | 9  | 9+        | 9  | 9  | 7  | 9+ | 9+ | 2  | 5  | 8         | 5  | -  | 8  | 5  | -  | -  | -  | -         | -  | -  | -  | 8   |  |  |  |  |
| 9         | -  | -  | 9+ | -  | -  | 7  | 7  | 3         | 7  | 9+ | 7  | -  | 9  | 9  | 9  | 8         | 9+ | 9  | 8  | 9+ | 9  | 6  | 5  | 1         | 6  | 5  | 7  | -  | -  | 1  | -  | -         | -  | -  | -  | 9   |  |  |  |  |
| 10        | -  | -  | 9+ | -  | -  | -  | 6  | -         | 6  | 9+ | 2  | -  | 8  | 9  | 9  | 9         | 9+ | 9+ | 8  | 9+ | 9  | 9  | 9  | 3         | 9  | 8  | 8  | -  | -  | 4  | -  | 5         | 1  | -  | -  | 10  |  |  |  |  |
| 11        | -  | -  | 9+ | -  | -  | -  | 2  | -         | -  | 9+ | -  | -  | 8  | 7  | 7  | 9         | 9+ | 9  | 9  | 9+ | 9+ | 9  | 9  | 9         | 9  | 9  | 9+ | 4  | 9  | 8  | -  | 8         | 8  | 2  | -  | 11  |  |  |  |  |
| 12        | -  | -  | 9  | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | -  | 5  | 4  | 6*        | 9+ | 7  | 6  | 9+ | 9+ | 9  | 9  | 9+        | 8  | 8  | 9  | 9  | 9  | 9  | 9  | 8         | 6  | 7  | 1  | 12  |  |  |  |  |
| 13        | -  | -  | 1  | -  | -  | -  | -  | -         | -  | 9  | -  | -  | -  | 1  | 2* | 4         | 9+ | 5  | 2* | 9  | 9  | 8  | 9  | 9+        | 9  | 7  | 9  | 9+ | 8  | 9  | 9+ | 6         | 5  | 8  | 8  | 13  |  |  |  |  |
| 14        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 8  | -  | -  | -  | -  | -  | 1*        | 9+ | 3  | 1* | 8  | 8  | 8  | 8  | 9+        | 9  | 7  | 9  | 9  | 7  | 9  | 9+ | 9         | 8  | 8  | 8  | 14  |  |  |  |  |
| 15        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 6  | -  | -  | -  | -  | -  | -         | 9+ | 4  | -  | 5  | 6  | 8  | 8  | 9         | 9  | 7  | 9  | 9  | 7  | 8  | 9+ | 9         | 9  | 9  | 8  | 15  |  |  |  |  |
| 16        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 5  | -  | -  | -  | -  | 1  | -         | 9+ | 5  | -  | 4  | 4  | 8  | 8  | 9+        | 9  | 8  | 8  | 9  | 8  | 8  | 9+ | 9         | 9  | 8  | 9  | 16  |  |  |  |  |
| 17        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 6  | -  | -  | -  | -  | 3  | 1         | 9+ | 8  | 4  | 1  | 4  | 9  | 9  | 9+        | 9  | 9  | 9  | 9  | 9  | 5  | 9  | 9         | 9  | 2  | 9  | 17  |  |  |  |  |
| 18        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 8  | -  | -  | -  | -  | 7  | 5         | 9+ | 9  | 7  | 2  | 5  | 9+ | 9  | 9+        | 9  | 9  | 8  | 9  | 8  | 5  | 9  | 9+        | 9  | 9  | 9  | 18  |  |  |  |  |
| 19        | -  | -  | 3  | -  | -  | -  | -  | -         | -  | 9  | 2  | -  | -  | -  | 9  | 9         | 9+ | 9  | 9  | 7  | 8  | 9+ | 9  | 9+        | 9+ | 9+ | 8  | 9+ | 6  | 2  | 9+ | 9         | 9  | 9  | 8  | 19  |  |  |  |  |
| 20        | -  | -  | 9  | -  | -  | -  | -  | -         | -  | 9+ | 6  | -  | -  | 1  | 9+ | 9         | 9+ | 9+ | 9+ | 8  | 9  | 9+ | 9  | 9+        | 9+ | 9+ | 7  | 9+ | 2  | -  | 9+ | 9+        | 8  | 9  | 9  | 20  |  |  |  |  |
| 21        | -  | -  | 9+ | 2  | -  | -  | -  | 8         | 1  | 9+ | 8  | 7  | -  | 4  | 9+ | 9+        | 9+ | 9+ | 9+ | 8  | 9+ | 9  | 7  | 9+        | 9+ | 9+ | 7  | 9+ | -  | -  | 9+ | 9         | 8  | 9  | 9  | 21  |  |  |  |  |
| 22        | -  | -  | 9+ | 6  | -  | -  | 2  | 8         | 5  | 9+ | 9  | 8  | 2  | 6  | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 9+ | 7  | 9  | 9+        | 9+ | 9+ | 8  | 9+ | -  | 6  | 9+ | 9         | 6  | 9  | 9  | 22  |  |  |  |  |
| 23        | 8  | -  | 9+ | 7  | 5  | -  | 5  | 9         | 5  | 9+ | 9+ | 8  | -  | 8  | 9+ | 9         | 9+ | 9+ | 9+ | 9  | 9+ | 5  | 9  | 9+        | 9+ | 9+ | 9+ | 9+ | -  | 9  | 9+ | 8         | 6  | 9  | 9+ | 23  |  |  |  |  |
|           | EU | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU | FE        | SA | AF | AS | OC | NA | EU | FE | SA        | AF | AS | OC | NA | EU | FE | SA | AF        | AS | OC | NA |     |  |  |  |  |

Mar., Paraguay (Asuncion), for SSN = Medium, Sigs in S-Units. By N6BV, ARRL.

| 80 Meters |    |    |    |    |    |    |    | 40 Meters |    |    |    |    |    |    |    | 20 Meters |    |    |    |    |    |    |    | 15 Meters |    |    |    |    |    |    |    | 10 Meters |    |    |    |     |  |  |  |  |
|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|-----|--|--|--|--|
| UTC       | EU | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU | FE        | SA | AF | AS | OC | NA | EU | FE | SA        | AF | AS | OC | NA | EU | FE | SA | AF        | AS | OC | NA | UTC |  |  |  |  |
| 0         | 9  | -  | 9+ | 8  | 6  | -  | 8  | 9         | 5  | 9+ | 9+ | 9  | -  | 9  | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 9+ | 6  | 9  | 9+        | 9+ | 9+ | 9+ | 9+ | -  | 9  | 9+ | 8         | 7  | 9  | 8  | 0   |  |  |  |  |
| 1         | 9  | -  | 9+ | 8  | 6  | -  | 9  | 9         | -  | 9+ | 9+ | 9  | -  | 9+ | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 9+ | 6  | 9+ | 9+        | 9+ | 9  | 9  | 9+ | -  | 7  | 9  | 7         | -  | 9  | 8  | 1   |  |  |  |  |
| 2         | 9  | -  | 9+ | 8  | 5  | -  | 9  | 9+        | -  | 9+ | 9+ | 9  | -  | 9+ | 9+ | 9         | 9+ | 9+ | 9+ | 9  | 9+ | 7  | 9  | 9+        | 9  | 5  | 9+ | 9+ | -  | 8  | 9+ | 5         | 1* | 9  | 6  | 2   |  |  |  |  |
| 3         | 8  | -  | 9+ | 8  | -  | -  | 9  | 9         | -  | 9+ | 9+ | 8  | 6  | 9+ | 9+ | 8         | 9+ | 9+ | 9  | 9+ | 9+ | 6  | 9  | 9+        | 9  | 9+ | 9+ | 9+ | -  | 8  | 9+ | 2         | 4  | 9+ | 7  | 3   |  |  |  |  |
| 4         | 8  | -  | 9+ | 8  | -  | -  | 8  | 9         | -  | 9+ | 9+ | 7  | 8  | 9+ | 9+ | 8         | 9+ | 9+ | 9+ | 9+ | 9+ | 9  | 9  | 9+        | 9  | 9+ | 9+ | 9  | -  | 6  | 9+ | -         | 8  | 9+ | 4  | 4   |  |  |  |  |
| 5         | 7  | -  | 9+ | 8  | -  | 5  | 8  | 9         | -  | 9+ | 9+ | -  | 9  | 9+ | 9  | 9         | 9+ | 9+ | 9  | 9+ | 9+ | 1  | 9+ | 9+        | 7  | 9+ | 9+ | 9  | -  | 8  | 9  | -         | 8  | 9  | 1  | 5   |  |  |  |  |
| 6         | 6  | -  | 9+ | 8  | -  | 6  | 9  | 9         | -  | 9+ | 9  | -  | 9  | 9+ | 9+ | 9         | 9+ | 9+ | 9  | 9+ | 9+ | 4  | 9+ | 9+        | 9+ | 9  | 9+ | 9  | -  | 5  | 7  | 4         | 6  | 8  | -  | 6   |  |  |  |  |
| 7         | -  | -  | 9+ | 8  | -  | 7  | 9  | 8         | -  | 9+ | 9  | -  | 9  | 9+ | 9+ | 9+        | 5  | 8  | 9+ | 9+ | 9+ | 1  | 9  | 9         | 5  | 2  | 9+ | 5  | -  | 2  | 6  | -         | -  | 8  | -  | 7   |  |  |  |  |
| 8         | -  | -  | 9+ | 1  | -  | 8  | 8  | 7         | 6  | 9+ | 8  | -  | 9  | 9+ | 7  | 9+        | 9+ | 9  | 5  | 9+ | 9+ | -  | 5  | 7         | 2  | -  | 8  | 4  | -  | -  | -  | -         | -  | -  | -  | 8   |  |  |  |  |
| 9         | -  | -  | 9+ | -  | -  | 7  | 8  | -         | 7  | 9+ | 6  | -  | 9  | 9  | 9  | 9         | 9  | 9  | 6  | 9+ | 8  | 5  | 3  | -         | 6  | 3  | 3  | -  | -  | -  | -  | -         | -  | -  | -  | 9   |  |  |  |  |
| 10        | -  | -  | 9+ | -  | -  | 3  | 6  | -         | 6  | 9+ | 2  | -  | 9  | 9  | 9  | 9         | 9  | 9+ | 8  | 9+ | 9  | 9  | 8  | 1         | 9  | 9  | 6  | -  | 2  | 4  | -  | 6         | 4  | -  | -  | 10  |  |  |  |  |
| 11        | -  | -  | 9+ | -  | -  | -  | 2  | -         | 2  | 9+ | -  | -  | 8  | 8  | 7  | 9+        | 9+ | 9  | 8  | 9+ | 9+ | 9  | 9  | 8         | 9+ | 9  | 9+ | 5  | 9  | 9  | -  | 9         | 9  | 1  | -  | 11  |  |  |  |  |
| 12        | -  | -  | 9  | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | -  | 5  | 4  | 8*        | 9+ | 8  | 8* | 9+ | 9+ | 9  | 9  | 9+        | 9  | 8  | 9+ | 9  | 9  | 9  | 9  | 9         | 8  | 7  | -  | 12  |  |  |  |  |
| 13        | -  | -  | 2  | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | -  | 1  | 3* | 7         | 9+ | 3  | 5* | 9  | 9  | 8  | 8  | 9+        | 9  | 6  | 9  | 9+ | 8  | 9  | 9+ | 9         | 9  | 9  | 8  | 13  |  |  |  |  |
| 14        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 8  | -  | -  | -  | -  | 1* | 2*        | 9+ | 2  | 3* | 8  | 8  | 8  | 8  | 9+        | 8  | 6  | 9  | 9+ | 7  | 9  | 9+ | 9         | 9  | 9  | 8  | 14  |  |  |  |  |
| 15        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 5  | -  | -  | -  | -  | -  | -         | 9+ | 3  | -  | 7  | 6  | 8  | 8  | 9+        | 8  | 7  | 8  | 9  | 7  | 9  | 9  | 9         | 9  | 9  | 9  | 15  |  |  |  |  |
| 16        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 5  | -  | -  | -  | -  | 1  | -         | 9+ | 5  | -  | 4  | 3  | 8  | 8  | 9+        | 9  | 8  | 8  | 9  | 8  | 9  | 9  | 9         | 9  | 8  | 9  | 16  |  |  |  |  |
| 17        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 5  | -  | -  | -  | -  | 3  | 1         | 9+ | 7  | 4  | 2  | 3  | 9  | 8  | 9+        | 9  | 9  | 8  | 9  | 9  | 9  | 9  | 9         | 9  | 8  | 9  | 17  |  |  |  |  |
| 18        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 8  | -  | -  | -  | -  | 8  | 5         | 9+ | 9  | 8  | 4  | 6  | 9  | 9  | 9+        | 9+ | 9  | 9  | 9  | 9  | 9  | 9  | 9         | 9  | 9  | 9  | 18  |  |  |  |  |
| 19        | -  | -  | 3  | -  | -  | -  | -  | -         | -  | 9+ | 2  | -  | -  | -  | 9  | 8         | 9+ | 9  | 9  | 8  | 8  | 9+ | 9  | 9+        | 9+ | 9+ | 7  | 9+ | 8  | 8  | 9+ | 9         | 9  | 9  | 9  | 19  |  |  |  |  |
| 20        | -  | -  | 9  | -  | -  | -  | -  | -         | -  | 9+ | 6  | -  | -  | 1  | 9+ | 9         | 9+ | 9+ | 9+ | 8  | 9  | 9+ | 9+ | 9+        | 9+ | 9+ | 7  | 9+ | 3  | 8  | 9+ | 9         | 9  | 9  | 9  | 20  |  |  |  |  |
| 21        | -  | -  | 9+ | 3  | -  | -  | -  | 8         | 2  | 9+ | 8  | 7  | -  | 4  | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 9+ | 9  | 9+ | 9+        | 9+ | 9+ | 7  | 9+ | 3  | 5  | 9+ | 9         | 9+ | 9  | 9  | 21  |  |  |  |  |
| 22        | -  | -  | 9+ | 6  | -  | -  | 2  | 8         | 5  | 9+ | 9  | 8  | 5  | 7  | 9+ | 9+        | 9+ | 9+ | 9+ | 9+ | 9+ | 8  | 9  | 9+        | 9+ | 9+ | 8  | 9+ | -  | 7  | 9+ | 9         | 9  | 9  | 8  | 22  |  |  |  |  |
| 23        | 8  | -  | 9+ | 8  | 5  | -  | 5  | 9         | 5  | 9+ | 9+ | 9  | 1  | 8  | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 9+ | 5  | 9  | 9+        | 9+ | 9+ | 9+ | 9+ | -  | 8  | 9+ | 9         | 9  | 9  | 9  | 23  |  |  |  |  |
|           | EU | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU | FE        | SA | AF | AS | OC | NA | EU | FE | SA        | AF | AS | OC | NA | EU | FE | SA | AF        | AS | OC | NA |     |  |  |  |  |



**Apr., Paraguay (Asuncion), for SSN = Medium, Sigs in S-Units. By N6BV, ARRL.**

| 80 Meters |    |    |    |    |    |    |    | 40 Meters |    |    |    |    |    |    |    | 20 Meters |    |    |    |    |    |    |    | 15 Meters |    |    |    |    |    |    |    | 10 Meters |    |    |    |     |   |  |  |  |
|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|-----|---|--|--|--|
| UTC       | EU | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU | FE        | SA | AF | AS | OC | NA | EU | FE | SA        | AF | AS | OC | NA | EU | FE | SA | AF        | AS | OC | NA | UTC |   |  |  |  |
| 0         | 9  | -  | 9+ | 9  | 6  | -  | 7  | 9         | 5  | 9+ | 9+ | 9  | 2  | 9  | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 9+ | 8  | 9+ | 9+        | 9+ | 9+ | 9  | 9+ | -  | 6  | 9+ | 8         | 6  | 9  | 9  | 0   |   |  |  |  |
| 1         | 9  | -  | 9+ | 9  | 5  | -  | 8  | 9+        | -  | 9+ | 9+ | 9  | -  | 9+ | 9+ | 9+        | 9+ | 9+ | 9  | 9+ | 9+ | 8  | 9  | 9+        | 9+ | 9  | 9+ | 9+ | -  | 7  | 9+ | 6         | -  | 9  | 8  | 1   |   |  |  |  |
| 2         | 8  | -  | 9+ | 9  | 5  | -  | 9  | 9+        | -  | 9+ | 9+ | 9  | -  | 9+ | 9+ | 9         | 9+ | 9+ | 9+ | 9  | 9+ | 8  | 9  | 9+        | 9+ | 7  | 9+ | 9+ | -  | 8  | 9+ | 1         | 1  | 9  | 7  | 2   |   |  |  |  |
| 3         | 8  | -  | 9+ | 9  | -  | -  | 9  | 9         | -  | 9+ | 9+ | 8  | 6  | 9+ | 9+ | 8         | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 6  | 9         | 9+ | 9  | 9+ | 9+ | 9+ | -  | 8  | 9+        | -  | 4  | 9  | 8   | 3 |  |  |  |
| 4         | 8  | -  | 9+ | 9  | -  | -  | 9  | 9         | -  | 9+ | 9+ | 6  | 8  | 9+ | 9+ | 8         | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 7  | 9         | 9+ | 6  | 9+ | 9+ | 9+ | -  | 8  | 9         | -  | 5  | 9+ | 7   | 4 |  |  |  |
| 5         | 7  | -  | 9+ | 9  | -  | 5  | 9  | 9         | -  | 9+ | 9+ | -  | 8  | 9+ | 9+ | 8         | 9+ | 9+ | 9  | 9+ | 9+ | 9+ | 5  | 9         | 9+ | 8  | 9+ | 9+ | 9  | -  | 7  | 9         | 1  | 5  | 9  | 5   | 5 |  |  |  |
| 6         | -  | -  | 9+ | 9  | -  | 7  | 9  | 9         | -  | 9+ | 9  | -  | 9  | 9+ | 9+ | 9         | 9+ | 9+ | 9  | 9+ | 9+ | 7  | 9+ | 9         | 9  | 8  | 9+ | 7  | -  | 5  | 7  | 1         | 1  | 6  | 1  | 6   |   |  |  |  |
| 7         | -  | -  | 9+ | 8  | -  | 7  | 9  | 8         | -  | 9+ | 9  | -  | 9  | 9+ | 9  | 9         | 9+ | 9  | 7  | 9+ | 9+ | 1  | 8  | 9         | 2  | 1  | 9+ | 7  | -  | 1  | 5  | -         | -  | 3  | -  | 7   |   |  |  |  |
| 8         | -  | -  | 9+ | 2  | -  | 8  | 8  | 6         | 2  | 9+ | 8  | -  | 9  | 9+ | 7  | 9+        | 9+ | 8  | 3  | 9+ | 9+ | -  | 6  | 7         | -  | -  | 8  | 5  | -  | -  | -  | -         | -  | -  | -  | 8   |   |  |  |  |
| 9         | -  | -  | 9+ | -  | -  | 7  | 8  | -         | 6  | 9+ | 6  | -  | 9  | 9  | 9  | 9         | 9  | 9  | 7  | 9+ | 9  | 7  | 2  | -         | 6  | 3  | 2  | -  | -  | -  | -  | 1         | -  | -  | -  | 9   |   |  |  |  |
| 10        | -  | -  | 9+ | -  | -  | 7  | 7  | -         | 7  | 9+ | 2  | -  | 9  | 9  | 9  | 9+        | 9+ | 9+ | 7  | 9+ | 9+ | 9+ | 8  | 2         | 9  | 9  | 1* | 1  | 5  | 2  | -  | 6         | 5  | -  | -  | 10  |   |  |  |  |
| 11        | -  | -  | 9+ | -  | -  | -  | 4  | -         | 4  | 9+ | -  | -  | 8  | 8  | 6  | 9+        | 9+ | 9  | 8  | 9+ | 9+ | 9+ | 9  | 9         | 9+ | 9  | 9+ | 6  | 9  | 9  | -  | 9         | 8  | 1* | -  | 11  |   |  |  |  |
| 12        | -  | -  | 9+ | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | 7  | 6  | 4  | 9         | 9+ | 7  | 6* | 9+ | 9+ | 9  | 9  | 9+        | 9  | 9  | 9+ | 9  | 9  | 9  | 9  | 9         | 9  | 9  | -  | 12  |   |  |  |  |
| 13        | -  | -  | 5  | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | -  | 1  | 1  | 8         | 9+ | 4  | 6* | 9  | 9+ | 8  | 8  | 9+        | 9  | 7* | 9  | 9  | 9  | 9  | 9+ | 9         | 9  | 9+ | 3  | 13  |   |  |  |  |
| 14        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 8  | -  | -  | -  | -  | -  | 4*        | 9+ | 4  | 4* | 8  | 9  | 8  | 8  | 9+        | 8  | 7  | 9  | 9+ | 8  | 9  | 9+ | 9         | 8  | 9  | 4  | 14  |   |  |  |  |
| 15        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 7  | -  | -  | -  | -  | 1  | 1*        | 9+ | 5  | 2* | 7  | 8  | 8  | 8  | 9+        | 9  | 7  | 9  | 9+ | 7  | 9  | 9  | 9         | 9  | 6  | 15 |     |   |  |  |  |
| 16        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 6  | -  | -  | -  | -  | 1  | 1*        | 9+ | 6  | 2  | 7  | 5  | 8  | 8  | 9+        | 9  | 8  | 9  | 9  | 8  | 9  | 9  | 9         | 6  | 8  | 16 |     |   |  |  |  |
| 17        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 7  | -  | -  | -  | -  | 6  | 1*        |    |    |    |    |    |    |    |           |    |    |    |    |    |    |    |           |    |    |    |     |   |  |  |  |

**May, Paraguay (Asuncion), for SSN = Medium, Sigs in S-Units. By N6BV, ARRL.**

| 80 Meters |    |    |    |    |    |    |    | 40 Meters |    |    |    |    |    |    |    | 20 Meters |    |    |    |    |     |    |    | 15 Meters |    |    |    |    |    |    |    | 10 Meters |    |    |    |     |   |  |  |  |
|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|-----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|-----|---|--|--|--|
| UTC       | EU | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU | FE        | SA | AF | AS | OC | NA  | EU | FE | SA        | AF | AS | OC | NA | EU | FE | SA | AF        | AS | OC | NA | UTC |   |  |  |  |
| 0         | 8  | -  | 9+ | 9  | 5  | -  | 7  | 9         | 3  | 9+ | 9+ | 9  | 7  | 9+ | 9+ | 9+        | 9+ | 9+ | 8  | 9+ | 9   | 9  | 9+ | 9         | 9  | 9  | 9+ | 1  | -  | 9  | -  | -         | 9  | 6  | 0  |     |   |  |  |  |
| 1         | 9  | -  | 9+ | 9  | 5  | -  | 8  | 9+        | -  | 9+ | 9+ | 9  | -  | 9+ | 9+ | 9         | 9+ | 9+ | 9  | 8  | 9+  | 9  | 9  | 9+        | 7  | 9  | 9+ | -  | -  | 8  | -  | -         | 8  | 5  | 1  |     |   |  |  |  |
| 2         | 9  | -  | 9+ | 9  | 1  | -  | 8  | 9         | -  | 9+ | 9+ | 8  | -  | 9+ | 9+ | 8         | 9+ | 9+ | 9  | 9  | 9+  | 8  | 9  | 9+        | 9  | 8  | 9+ | 9+ | -  | 5  | 8  | 2         | 1  | 7  | 6  | 2   |   |  |  |  |
| 3         | 8  | -  | 9+ | 9  | -  | -  | 9  | 9         | -  | 9+ | 9+ | 7  | 6  | 9+ | 9+ | 8         | 9+ | 9+ | 9  | 9  | 9+  | 9+ | 4  | 9         | 9  | 8  | 9  | 9+ | 9+ | -  | 4  | 5         | -  | 1  | 6  | 6   | 3 |  |  |  |
| 4         | 8  | -  | 9+ | 8  | -  | -  | 9  | 9         | -  | 9+ | 9+ | 2  | 8  | 9+ | 9+ | 8         | 9+ | 9+ | 9  | 9  | 9+  | 9  | 8  | 9         | 9+ | 8  | 8  | 9+ | 9  | -  | 3  | 3         | -  | 1  | 4  | -   | 4 |  |  |  |
| 5         | -  | -  | 9+ | 9  | -  | 5  | 9  | 9         | -  | 9+ | 9+ | -  | 8  | 9+ | 9+ | 8         | 9+ | 9+ | 9  | 9  | 9+  | 9  | 7  | 8         | 9  | 6  | 7  | 9  | 8  | -  | 1  | 3         | -  | -  | 3  | -   | 5 |  |  |  |
| 6         | -  | -  | 9+ | 9  | -  | 7  | 9  | 8         | -  | 9+ | 9  | -  | 9  | 9+ | 9+ | 8         | 9+ | 9+ | 8  | 9  | 9+  | 9  | 4  | 8         | 9  | 2  | 4  | 8  | 5  | -  | 1  | 1         | -  | -  | -  | -   | 6 |  |  |  |
| 7         | -  | -  | 9+ | 5  | -  | 8  | 9  | 8         | -  | 9+ | 9  | -  | 9  | 9+ | 8  | 9         | 9+ | 6  | 2  | 9+ | 9   | -  | 6  | 8         | -  | -  | 7  | 7  | -  | -  | 1  | -         | -  | -  | -  | 7   |   |  |  |  |
| 8         | -  | -  | 9+ | 3  | -  | 8  | 9  | -         | 1  | 9+ | 8  | -  | 9  | 9+ | 4  | 9+        | 9+ | 5  | 1  | 9+ | 9   | -  | 3  | 5         | -  | -  | 3  | 2  | -  | -  | -  | -         | -  | -  | -  | 8   |   |  |  |  |
| 9         | -  | -  | 9+ | -  | -  | 7  | 8  | -         | 6  | 9+ | 6  | -  | 9  | 9  | 9  | 8         | 9  | 9  | 7  | 8  | 9   | 5  | -  | -         | 4  | 1  | -  | -  | -  | -  | -  | -         | -  | -  | -  | 9   |   |  |  |  |
| 10        | -  | -  | 9+ | -  | -  | 7  | 7  | -         | 7  | 9+ | 2  | -  | 9  | 9  | 8  | 9         | 9  | 9+ | 8  | 8  | 9+  | 9  | 8  | -         | 9  | 8  | -  | -  | -  | -  | -  | 1         | 2  | -  | -  | 10  |   |  |  |  |
| 11        | -  | -  | 9+ | -  | -  | -  | 4  | -         | 6  | 9+ | -  | -  | 8  | 8  | 7  | 9+        | 9+ | 9  | 8  | 9+ | 9   | 9  | 8  | -         | 9+ | 8  | 1  | 5  | -  | 5  | -  | 9         | 9  | -  | -  | 11  |   |  |  |  |
| 12        | -  | -  | 9+ | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | 8  | 6  | 4  | 9+        | 9+ | 6  | 9  | 9+ | 9   | 9  | 8  | 9         | 9  | 7  | 9+ | 8  | 5  | 9  | -  | 9         | 9  | 1  | -  | 12  |   |  |  |  |
| 13        | -  | -  | 8  | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | -  | 2  | 1  | 8         | 9+ | 6  | 5* | 9  | 9+  | 9  | 8  | 9         | 9+ | 9  | 7  | 9+ | 8  | 9  | 9  | 9         | 9  | 7  | -  | 13  |   |  |  |  |
| 14        | -  | -  | 1  | -  | -  | -  | -  | -         | -  | 9  | -  | -  | -  | -  | 2  | 8         | 9+ | 5  | 6* | 9  | 9   | 9  | 8  | 9         | 9+ | 9  | 7  | 9  | 9  | 9  | 9  | 9         | 9  | 7  | -  | 14  |   |  |  |  |
| 15        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 8  | -  | -  | -  | -  | -  | 2*        | 9+ | 6  | 4* | 8  | 8   | 9  | 9  | 9+        | 9  | 8  | 9  | 9  | 9  | 9  | 5  | 9         | 9  | 6  | -  | 15  |   |  |  |  |
| 16        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 8  | -  | -  | -  | -  | 4  | 2*        | 9+ | 8  | 3  | 4  | 5   | 9  | 9  | 9+        | 9  | 8  | 9  | 9  | 8  | 8  | 5  | 9         | 9  | 3  | 2  | 16  |   |  |  |  |
| 17        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 8  | -  | -  | -  | -  | 6  | 5         | 9+ | 9  | 6  | 5  | 4</ |    |    |           |    |    |    |    |    |    |    |           |    |    |    |     |   |  |  |  |

Jun., Paraguay (Asuncion), for SSN = Medium, Sigs in S-Units. By N6BV, ARRL.

|     | 80 Meters |    |    |    |    |    |    | 40 Meters |    |    |    |    |    |    | 20 Meters |    |    |    |    |    |    | 15 Meters |    |    |    |    |    |    | 10 Meters |    |    |    |    |    |    |     |    |
|-----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----|----|
| UTC | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | UTC |    |
| 0   | 8         | -  | 9+ | 9  | 5  | -  | 6  | 9         | 3  | 9+ | 9+ | 9  | 8  | 9  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 9         | 6  | 9+ | 8  | 3  | 9  | 9  | 2         | -  | 5  | -  | -  | 6  | 3  | 0   |    |
| 1   | 9         | -  | 9+ | 9  | 5  | -  | 8  | 9+        | -  | 9+ | 9+ | 9  | 4  | 9+ | 9+        | 8  | 9+ | 9+ | 9+ | 9  | 9  | 9+        | 8  | 7  | 9+ | 8  | 2  | 9+ | 9         | -  | 1  | 4  | -  | -  | 5  | 2   | 1  |
| 2   | 9         | -  | 9+ | 9  | -  | -  | 8  | 9         | -  | 9+ | 9+ | 8  | -  | 9+ | 9+        | 7  | 9+ | 9+ | 9+ | 9  | 9  | 9+        | 8  | 7  | 9+ | 8  | 5  | 9+ | 9         | 1  | 1  | 4  | -  | -  | 3  | 2   | 2  |
| 3   | 8         | -  | 9+ | 9  | -  | -  | 9  | 9         | -  | 9+ | 9+ | 7  | 6  | 9+ | 9+        | 8  | 9+ | 9+ | 9+ | 9+ | 9  | 9         | 6  | 6  | 9  | 6  | 5  | 9  | 9         | -  | 1  | 1  | -  | -  | 2  | 2   | 3  |
| 4   | 7         | -  | 9+ | 9  | -  | -  | 9  | 9         | -  | 9+ | 9+ | -  | 8  | 9+ | 9+        | 8  | 9+ | 9+ | 9+ | 9+ | 9  | 9         | 5  | 5  | 9  | 2  | 5  | 8  | 8         | -  | -  | 2  | -  | -  | 2  | 1   | 4  |
| 5   | -         | -  | 9+ | 9  | -  | 6  | 9  | 9         | -  | 9+ | 9  | -  | 9  | 9+ | 9+        | 8  | 9+ | 9+ | 9  | 9  | 9  | 9         | 2  | 5  | 8  | 1  | 4  | 8  | 8         | -  | -  | -  | -  | -  | -  | -   | 5  |
| 6   | -         | -  | 9+ | 9  | -  | 6  | 9  | 8         | -  | 9+ | 9  | -  | 9  | 9+ | 9         | 8  | 9+ | 8  | 5  | 9+ | 9+ | -         | 4  | 6  | -  | -  | 7  | 6  | -         | -  | -  | -  | -  | -  | -  | -   | 6  |
| 7   | -         | -  | 9+ | 9  | -  | 8  | 9  | -         | -  | 9+ | 9  | -  | 9  | 9+ | 6         | 8  | 9  | 3  | -  | 9+ | 9+ | -         | 3  | 5  | -  | -  | 5  | 4  | -         | -  | -  | -  | -  | -  | -  | -   | 7  |
| 8   | -         | -  | 9+ | 1  | -  | 8  | 8  | -         | -  | 9+ | 7  | -  | 9  | 9+ | 2         | 8  | 9+ | 3  | -  | 9  | 9  | -         | 1  | 1  | -  | -  | -  | 1  | -         | -  | -  | -  | -  | -  | -  | -   | 8  |
| 9   | -         | -  | 9+ | -  | -  | 8  | 8  | -         | 4  | 9+ | 7  | -  | 9+ | 9  | 8         | 7  | 9  | 9  | 3  | 6  | 9  | 2         | -  | -  | 2  | 1  | -  | -  | -         | -  | -  | -  | -  | -  | -  | -   | 9  |
| 10  | -         | -  | 9+ | -  | -  | 7  | 6  | -         | 7  | 9+ | 2  | -  | 9  | 9  | 8         | 9  | 9  | 9+ | 4  | 6  | 9+ | 8         | 5  | -  | 9  | 8  | -  | -  | -         | -  | -  | -  | -  | -  | -  | -   | 10 |
| 11  | -         | -  | 9+ | -  | -  | 6  | 3  | -         | 6  | 9+ | -  | -  | 9  | 9  | 6         | 9  | 9+ | 9  | 8  | 9+ | 9+ | 9         | 9  | -  | 9  | 8  | -  | 3  | -         | 2  | -  | 7  | 8  | -  | -  | 11  |    |
| 12  | -         | -  | 9+ | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | 8  | 6  | 4         | 9+ | 9+ | 9  | 9  | 9+ | 9+ | 9         | 9  | 9  | 9  | 7  | 7  | 8  | 5         | 6  | -  | 9  | 9  | -  | -  | 12  |    |
| 13  | -         | -  | 9+ | -  | -  | -  | -  | -         | 1* | 9+ | -  | -  | 6  | 2  | 4         | 9  | 9+ | 6  | 5* | 9+ | 9+ | 9         | 9  | 9  | 9+ | 9  | 7  | 9+ | 8         | 8  | 9  | 6  | 9  | 9  | -  | -   | 13 |
| 14  | -         | -  | 5  | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | -  | -  | 2         | 7  | 9+ | 6  | 3* | 9  | 9  | 9         | 9  | 9  | 9+ | 9  | 7  | 8  | 8         | 7  | 9  | 6  | 9  | 9  | 2  | 1   | 14 |
| 15  | -         | -  | 1  | -  | -  | -  | -  | -         | -  | 9  | -  | -  | -  | -  | 1         | 5* | 9+ | 7  | 4* | 8  | 8  | 9         | 9  | 9+ | 9  | 8  | 6  | 9  | 8         | 7  | 4  | 9  | 9  | -  | 2  | 15  |    |
| 16  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 9  | -  | -  | -  | -  | 5         | 3* | 9+ | 8  | 5* | 8  | 6  | 9         | 9  | 9+ | 9  | 9  | 8  | 8  | 8         | 6  | 3  | 9  | 9  | -  | 3  | 16  |    |
| 17  | -         | -  | 1  | -  | -  | -  | -  | -         | -  | 9  | -  | -  | -  | -  | 8         | 8  | 9+ | 9  | 7  | 8  | 5  | 9         | 9  | 9+ | 9  | 9  | 9  | 9  | 9         | 5  | 4  | 9  | 9  | 2  | 3  | 17  |    |
| 18  | -         | -  | 5  | -  | -  | -  | -  | -         | -  | 9+ | 3  | -  | -  | -  | 9         | 9  | 9+ | 9  | 9  | 7  | 6  | 9+        | 9  | 9+ | 9+ | 9+ | 9  | 9  | 9         | 3  | 8  | 9  | 8  | 5  | 3  | 18  |    |
| 19  | -         | -  | 9  | -  | -  | -  | -  | -         | -  | 9+ | 7  | -  | -  | -  | 9         | 9+ | 9+ | 9+ | 9  | 5  | 8  | 9+        | 8  | 9+ | 9+ | 9+ | 9  | 9  | 9         | 1  | 9  | 9  | 3  | 9  | 3  | 19  |    |
| 20  | -         | -  | 9+ | 4  | -  | -  | -  | 6         | 5  | 9+ | 9  | 6  | 7  | -  | 9+        | 9+ | 9+ | 9+ | 9+ | 4  | 9  | 9+        | 8  | 9+ | 9+ | 9  | 9  | 9  | 9         | -  | 9  | 8  | 1  | 9  | 6  | 20  |    |
| 21  | -         | -  | 9+ | 7  | -  | -  | -  | 8         | 6  | 9+ | 9  | 8  | 8  | 1  | 9+        | 9+ | 9+ | 9+ | 9+ | 5* | 9+ | 9+        | 9  | 9+ | 9+ | 8  | 9  | 9+ | 6         | -  | 8  | 5  | -  | 9  | 5  | 21  |    |
| 22  | 6         | -  | 9+ | 8  | 5  | 4  | -  | 9         | 7  | 9+ | 9  | 9  | 9  | 6  | 9+        | 9  | 9+ | 9+ | 9+ | 9+ | 9+ | 9+        | 8  | 9+ | 9  | 7  | 9  | 9+ | 2         | -  | 8  | -  | -  | 9  | 6  | 22  |    |
| 23  | 8         | -  | 9+ | 8  | 6  | -  | 1  | 9         | 7  | 9+ | 9+ | 9  | 8  | 8  | 9+        | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8         | 7  | 9+ | 8  | 6  | 9  | 9+ | 2         | -  | 7  | -  | -  | 7  | 5  | 23  |    |
|     | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA |     |    |

**Jul., Paraguay (Asuncion), for SSN = Medium, Sigs in S-Units. By N6BV, ARRL.**

| 80 Meters |    |    |    |    |    |    |    | 40 Meters |    |    |    |    |    |    |    | 20 Meters |    |    |    |    |    |    |    | 15 Meters |    |    |    |    |    |    |    | 10 Meters |    |    |    |     |  |  |  |  |
|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|-----|--|--|--|--|
| UTC       | EU | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU | FE        | SA | AF | AS | OC | NA | EU | FE | SA        | AF | AS | OC | NA | EU | FE | SA | AF        | AS | OC | NA | UTC |  |  |  |  |
| 0         | 8  | -  | 9+ | 9  | 6  | -  | 7  | 9         | 3  | 9+ | 9+ | 9  | 8  | 9  | 9+ | 9+        | 9+ | 9+ | 9+ | 7  | 9+ | 9  | 5  | 9+        | 8  | 5  | 9  | 9  | 1  | -  | 5  | -         | -  | 7  | 2  | 0   |  |  |  |  |
| 1         | 9  | -  | 9+ | 9  | 5  | -  | 8  | 9+        | -  | 9+ | 9+ | 9  | -  | 9+ | 9+ | 8         | 9+ | 9+ | 9+ | 8  | 9+ | 8  | 6  | 9+        | 8  | 1  | 9+ | 9  | 1  | 1  | 3  | -         | -  | 5  | 1  | 1   |  |  |  |  |
| 2         | 9  | -  | 9+ | 9  | -  | -  | 8  | 9+        | -  | 9+ | 9+ | 8  | -  | 9+ | 9+ | 8         | 9+ | 9+ | 9+ | 9+ | 9+ | 8  | 6  | 9         | 7  | 6  | 9+ | 9  | -  | -  | 2  | -         | -  | 4  | 1  | 2   |  |  |  |  |
| 3         | 8  | -  | 9+ | 9  | -  | -  | 8  | 9         | -  | 9+ | 9+ | 7  | 6  | 9+ | 9+ | 8         | 9+ | 9+ | 9+ | 9+ | 9+ | 5  | 5  | 9         | 5  | 6  | 9+ | 9  | -  | -  | -  | -         | -  | 4  | 1  | 3   |  |  |  |  |
| 4         | 7  | -  | 9+ | 9  | -  | -  | 9  | 9         | -  | 9+ | 9+ | 2  | 8  | 9+ | 9+ | 8         | 9+ | 9+ | 9+ | 9+ | 9+ | 3  | 5  | 9         | 2  | 5  | 8  | 8  | -  | -  | 1  | -         | -  | 3  | -  | 4   |  |  |  |  |
| 5         | -  | -  | 9+ | 9  | -  | 6  | 9  | 9         | -  | 9+ | 9  | -  | 9  | 9+ | 9+ | 8         | 9+ | 9+ | 9  | 9+ | 9+ | 1  | 4  | 8         | 1  | 5  | 9  | 7  | -  | -  | -  | -         | -  | 1  | -  | 5   |  |  |  |  |
| 6         | -  | -  | 9+ | 9  | -  | 7  | 9  | 8         | -  | 9+ | 9  | -  | 9  | 9+ | 9  | 8         | 9+ | 9  | 6  | 9+ | 9+ | -  | 3  | 5         | 1  | -  | 8  | 5  | -  | -  | -  | -         | -  | -  | -  | 6   |  |  |  |  |
| 7         | -  | -  | 9+ | 8  | -  | 8  | 9  | 7         | -  | 9+ | 9  | -  | 9  | 9+ | 6  | 9         | 9  | 4  | 1  | 9+ | 9+ | -  | 3  | 5         | -  | -  | 7  | 4  | -  | -  | -  | -         | -  | -  | -  | 7   |  |  |  |  |
| 8         | -  | -  | 9+ | 3  | -  | 8  | 9  | -         | -  | 9+ | 7  | -  | 9+ | 9+ | 4  | 8         | 9+ | 1  | 1  | 9+ | 9  | -  | 1  | 1         | -  | -  | 2  | 1  | -  | -  | -  | -         | -  | -  | -  | 8   |  |  |  |  |
| 9         | -  | -  | 9+ | -  | -  | 8  | 8  | -         | 6  | 9+ | 6  | -  | 9+ | 9  | 8  | 6         | 8  | 9  | 3  | 5  | 8  | 2  | -  | -         | 2  | 1  | -  | -  | -  | -  | -  | -         | -  | -  | -  | 9   |  |  |  |  |
| 10        | -  | -  | 9+ | -  | -  | 7  | 7  | -         | 7  | 9+ | 2  | -  | 9  | 9  | 8  | 8         | 7  | 9+ | 5  | 3  | 9  | 7  | 1  | -         | 9  | 8  | -  | -  | -  | -  | -  | -         | -  | -  | -  | 10  |  |  |  |  |
| 11        | -  | -  | 9+ | -  | -  | -  | 3  | -         | 6  | 9+ | -  | -  | 9  | 9  | 7  | 9         | 9+ | 9  | 9  | 9  | 9+ | 9  | 9  | -         | 9  | 8  | -  | 3  | -  | -  | -  | 5         | 7  | -  | -  | 11  |  |  |  |  |
| 12        | -  | -  | 9+ | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | 8  | 6  | 4  | 9+        | 9+ | 7  | 9  | 9+ | 9+ | 9  | 9  | 9         | 9  | 7  | 6  | 6  | 5  | 6  | -  | 9         | 9  | -  | -  | 12  |  |  |  |  |
| 13        | -  | -  | 8  | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | -  | 2  | 4  | 8         | 9+ | 5  | 4* | 9  | 9+ | 9  | 9  | 9+        | 9  | 7  | 9+ | 8  | 6  | 6  | 4  | 9         | 9  | -  | -  | 13  |  |  |  |  |
| 14        | -  | -  | 2  | -  | -  | -  | -  | -         | -  | 9  | -  | -  | -  | -  | 2  | 6         | 9+ | 6  | 4* | 9  | 9  | 9  | 9  | 9+        | 9  | 7  | 9  | 8  | 6  | 6  | 4  | 9         | 9  | -  | -  | 14  |  |  |  |  |
| 15        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 8  | -  | -  | -  | -  | 2  | 2*        | 9+ | 7  | 2* | 8  | 8  | 9  | 9  | 9+        | 9  | 8  | 7  | 8  | 7  | 5  | 2  | 9         | 9  | 1  | 1  | 15  |  |  |  |  |
| 16        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 8  | -  | -  | -  | -  | 3  | 2*        | 9+ | 8  | 4  | 5  | 6  | 9  | 9  | 9+        | 9  | 8  | 6  | 8  | 8  | 2  | 2  | 9         | 9  | -  | 1  | 16  |  |  |  |  |
| 17        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 9  | -  | -  | -  | -  | 8  | 7         | 9+ | 9  | 7  | 7  | 5  | 9  | 9  | 9+        | 9  | 9  | 9  | 8  | 8  | 2  | 2  | 9         | 9  | 1  | 2  | 17  |  |  |  |  |
| 18        | -  | -  | 4  | -  | -  | -  | -  | -         | -  | 9+ | 2  | -  | -  | -  | 9  | 8         | 9+ | 9  | 9  | 8  | 6  | 9+ | 9  | 9+        | 9+ | 9+ | 9  | 9  | 8  | 2  | 7  | 9         | 7  | 1  | 3  | 18  |  |  |  |  |
| 19        | -  | -  | 9  | -  | -  | -  | -  | -         | -  | 9+ | 7  | -  | -  | -  | 9  | 9         | 9+ | 9  | 9  | 5  | 8  | 9+ | 8  | 9+        | 9+ | 9+ | 9  | 9  | 9  | -  | 8  | 9         | 1  | 6  | 5  | 19  |  |  |  |  |
| 20        | -  | -  | 9+ | 3  | -  | -  | -  | 6         | 2  | 9+ | 8  | 6  | 6  | -  | 9+ | 9+        | 9+ | 9+ | 9+ | 2  | 9  | 9+ | 8  | 9+        | 9+ | 8  | 9  | 9  | 7  | -  | 8  | 8         | -  | 8  | 5  | 20  |  |  |  |  |
| 21        | -  | -  | 9+ | 6  | -  | -  | -  | 8         | 5  | 9+ | 9  | 8  | 7  | 2  | 9+ | 9+        | 9+ | 9+ | 9+ | 5* | 9+ | 9+ | 8  | 9+        | 9+ | 8  | 9  | 9  | 4  | -  | 8  | 1         | -  | 7  | 6  | 21  |  |  |  |  |
| 22        | 6  | -  | 9+ | 8  | 5  | 4  | -  | 9         | 7  | 9+ | 9  | 9  | 7  | 7  | 9+ | 9         | 9+ | 9+ | 9+ | 9  | 9+ | 9  | 8  | 9+        | 9  | 8  | 9  | 9+ | 1  | -  | 8  | -         | -  | 7  | 6  | 22  |  |  |  |  |
| 23        | 8  | -  | 9+ | 8  | 6  | -  | 4  | 9         | 7  | 9+ | 9+ | 9  | 6  | 8  | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 9+ | 9  | 7  | 9+        | 8  | 7  | 9  | 9+ | -  | -  | 6  | -         | -  | 8  | 5  | 23  |  |  |  |  |
|           | EU | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU | FE        | SA | AF | AS | OC | NA | EU | FE | SA        | AF | AS | OC | NA | EU | FE | SA | AF        | AS | OC | NA |     |  |  |  |  |

|    |   |   |    |   |   |   |   |    |   |    |    |   |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |   |   |   |   |   |   |   |   |    |
|----|---|---|----|---|---|---|---|----|---|----|----|---|----|----|----|----|----|----|----|----|----|----|---|----|----|----|----|----|---|---|---|---|---|---|---|---|----|
| 0  | 8 | - | 9+ | 9 | 6 | - | 7 | 9  | 3 | 9+ | 9+ | 9 | 8  | 9  | 9+ | 9+ | 9+ | 9+ | 9+ | 7  | 9+ | 9  | 5 | 9+ | 8  | 5  | 9  | 9  | 1 | - | 5 | - | - | 7 | 2 | 0 |    |
| 1  | 9 | - | 9+ | 9 | 5 | - | 8 | 9+ | - | 9+ | 9+ | 9 | -  | 9+ | 9+ | 8  | 9+ | 9+ | 9+ | 9+ | 8  | 9+ | 8 | 6  | 9+ | 8  | 1  | 9+ | 9 | 1 | 1 | 3 | - | - | 5 | 1 | 1  |
| 2  | 9 | - | 9+ | 9 | - | - | 8 | 9+ | - | 9+ | 9+ | 8 | -  | 9+ | 9+ | 8  | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 6  | 9  | 7  | 6  | 9+ | 9 | - | - | 2 | - | - | 4 | 1 | 2  |
| 3  | 8 | - | 9+ | 9 | - | - | 8 | 9  | - | 9+ | 9+ | 7 | 6  | 9+ | 9+ | 8  | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 5 | 5  | 9  | 5  | 6  | 9+ | 9 | - | - | - | - | - | 4 | 1 | 3  |
| 4  | 7 | - | 9+ | 9 | - | - | 9 | 9  | - | 9+ | 9+ | 2 | 8  | 9+ | 9+ | 8  | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 3 | 5  | 9  | 2  | 5  | 8  | 8 | - | - | 1 | - | - | 3 | - | 4  |
| 5  | - | - | 9+ | 9 | - | 6 | 9 | 9  | - | 9+ | 9  | - | 9  | 9+ | 9+ | 8  | 9+ | 9+ | 9  | 9+ | 9+ | 9+ | 1 | 4  | 8  | 1  | 5  | 9  | 7 | - | - | - | - | - | 1 | - | 5  |
| 6  | - | - | 9+ | 9 | - | 7 | 9 | 8  | - | 9+ | 9  | - | 9  | 9+ | 9  | 8  | 9+ | 9  | 6  | 9+ | 9+ | -  | 3 | 5  | 1  | -  | 8  | 5  | - | - | - | - | - | - | - | - | 6  |
| 7  | - | - | 9+ | 8 | - | 8 | 9 | 7  | - | 9+ | 9  | - | 9  | 9+ | 6  | 9  | 9  | 4  | 1  | 9+ | 9+ | -  | 3 | 5  | -  | -  | 7  | 4  | - | - | - | - | - | - | - | - | 7  |
| 8  | - | - | 9+ | 3 | - | 8 | 9 | -  | - | 9+ | 7  | - | 9+ | 9+ | 4  | 8  | 9+ | 1  | 1  | 9+ | 9  | -  | 1 | 1  | -  | -  | 2  | 1  | - | - | - | - | - | - | - | - | 8  |
| 9  | - | - | 9+ | - | - | 8 | 8 | -  | 6 | 9+ | 6  | - | 9+ | 9  | 8  | 6  | 8  | 9  | 3  | 5  | 8  | 2  | - | -  | 2  | 1  | -  | -  | - | - | - | - | - | - | - | - | 9  |
| 10 | - | - | 9+ | - | - | 7 | 7 | -  | 7 | 9+ | 2  | - | 9  | 9  | 8  | 8  | 7  | 9+ | 5  | 3  | 9  | 7  | 1 | -  | 9  | 8  | -  | -  | - | - | - | - | - | - | - | - | 10 |
| 11 | - | - | 9+ | - | - | - | 3 | -  | 6 | 9+ | -  | - | 9  | 9  | 7  | 9  | 9+ | 9  | 9  | 9  | 9+ | 9  | 9 | -  | 9  | 8  | -  | 3  | - | - | - | 5 | 7 | - | - | - | 11 |
| 12 | - | - | 9+ | - | - | - | - | -  | - | 9+ | -  | - | 8  | 6  | 4  | 9+ | 9+ | 7  | 9  | 9+ | 9+ | 9  | 9 | 9  | 9  | 7  | 6  | 6  | 5 | 6 | - | 9 | 9 | - | - | - | 12 |
| 13 | - | - | 8  | - | - | - | - | -  | - | 9+ | -  | - | -  | 2  | 4  | 8  | 9+ | 5  | 4* | 9  | 9+ | 9  | 9 | 9+ | 9  | 7  | 9+ | 8  | 6 | 6 | 4 | 9 | 9 | - | - | - | 13 |
| 14 | - | - | 2  | - | - | - | - | -  | - | 9  | -  | - | -  | -  | 2  | 6  | 9+ | 6  | 4* | 9  | 9  | 9  | 9 | 9+ | 9  | 7  | 9  | 8  | 6 | 6 | 4 | 9 | 9 | - | - | - | 14 |
| 15 | - | - | -  | - | - | - | - | -  | - | 8  | -  | - | -  | -  | 2  | 2* | 9+ | 7  | 2* | 8  | 8  | 9  | 9 | 9+ | 9  | 8  | 7  | 8  | 7 | 5 | 2 | 9 | 9 | 1 | 1 | - | 15 |
| 16 | - | - | -  | - | - | - | - | -  | - | 8  | -  | - | -  | -  | 3  | 2* | 9+ | 8  | 4  | 5  | 6  | 9  | 9 | 9+ | 9  | 8  | 6  | 8  | 8 | 2 | 2 | 9 | 9 | - | 1 | - | 16 |
| 17 | - | - | -  | - | - | - | - | -  | - | 9  | -  | - | -  | -  | 8  | 7  | 9+ | 9  | 7  | 7  | 5  | 9  | 9 | 9+ | 9  | 9  | 9  | 8  | 8 | 2 | 2 | 9 | 9 | 1 | 2 | - | 17 |
| 18 | - | - | 4  | - | - | - | - | -  | - | 9+ | 2  | - | -  | -  | 9  | 8  | 9+ | 9  | 9  | 8  | 6  | 9+ | 9 | 9+ | 9+ | 9+ | 9  | 9  | 8 | 2 | 7 | 9 | 7 | 1 | 3 | - | 18 |
| 19 | - | - | 9  | - | - | - | - | -  | - | 9+ | 7  | - | -  | -  | 9  | 9  | 9+ | 9  | 9  | 5  | 8  | 9+ | 8 | 9+ | 9+ | 9+ | 9  | 9  | 9 | - | 8 | 9 | 1 | 6 | 5 | - | 19 |
| 20 | - | - | 9+ | 3 | - | - | - | 6  | 2 | 9+ | 8  | 6 | 6  | -  | 9+ | 9+ | 9+ | 9+ | 9+ | 2  | 9  | 9+ | 8 | 9+ | 9+ | 8  | 9  | 9  | 7 | - | 8 | 8 | - | 8 | 5 | - | 20 |
| 21 | - | - | 9+ | 6 | - | - | - | 8  | 5 | 9+ | 9  | 8 | 7  | 2  | 9+ | 9+ | 9+ | 9+ | 9+ | 5* | 9+ | 9+ | 8 | 9+ | 9+ | 8  | 9  | 9  | 4 | - | 8 | 1 | - | 7 | 6 | - | 21 |
| 22 | 6 | - | 9+ | 8 | 5 | 4 | - | 9  | 7 | 9+ | 9  | 9 | 7  | 7  | 9+ | 9  | 9+ | 9+ | 9+ | 9  | 9+ | 9  | 8 | 9+ | 9  | 8  | 9  | 9+ | 1 | - | 8 | - | - | 7 | 6 | - | 22 |
| 23 | 8 | - | 9+ | 8 | 6 | - | 4 | 9  | 7 | 9+ | 9+ | 9 | 6  | 8  | 9+ | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 9  | 7 | 9+ | 8  | 7  | 9  | 9+ | - | - | 6 | - | - | 8 | 5 | - | 23 |

|           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| <b>EU</b> | <b>FE</b> | <b>SA</b> | <b>AF</b> | <b>AS</b> | <b>OC</b> | <b>NA</b> | <b>EU</b> | <b>FE</b> | <b>SA</b> | <b>AF</b> | <b>AS</b> | <b>OC</b> | <b>NA</b> | <b>EU</b> | <b>FE</b> | <b>SA</b> | <b>AF</b> | <b>AS</b> | <b>OC</b> | <b>NA</b> | <b>EU</b> | <b>FE</b> | <b>SA</b> | <b>AF</b> | <b>AS</b> | <b>OC</b> | <b>NA</b> | <b>EU</b> | <b>FE</b> | <b>SA</b> | <b>AF</b> | <b>AS</b> | <b>OC</b> | <b>NA</b> |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|

**Aug., Paraguay (Asuncion), for SSN = Medium, Sigs in S-Units. By N6BV, ARRL.**

| 80 Meters |    |    |    |    |    |    |    | 40 Meters |    |    |    |    |    |    |    | 20 Meters |    |    |    |    |    |    |    | 15 Meters |    |    |    |    |    |    |    | 10 Meters |    |    |    |     |  |  |  |  |
|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|-----|--|--|--|--|
| UTC       | EU | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU | FE        | SA | AF | AS | OC | NA | EU | FE | SA        | AF | AS | OC | NA | EU | FE | SA | AF        | AS | OC | NA | UTC |  |  |  |  |
| 0         | 9  | -  | 9+ | 9  | 6  | -  | 8  | 9+        | 2  | 9+ | 9+ | 9  | 3  | 9  | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 9+ | 5  | 8  | 9+        | 8  | 6  | 9  | 9  | -  | -  | 7  | -         | -  | 7  | 5  | 0   |  |  |  |  |
| 1         | 9  | -  | 9+ | 9  | 5  | -  | 8  | 9+        | -  | 9+ | 9+ | 9  | -  | 9+ | 9+ | 9         | 9+ | 9+ | 9+ | 9  | 9+ | 4  | 8  | 9+        | 8  | 1  | 9+ | 8  | -  | -  | 5  | -         | -  | 6  | 3  | 1   |  |  |  |  |
| 2         | 9  | -  | 9+ | 9  | 1  | -  | 9  | 9+        | -  | 9+ | 9+ | 9  | -  | 9+ | 9+ | 8         | 9+ | 9+ | 9+ | 9  | 9+ | 2  | 7  | 9+        | 2  | 6  | 9+ | 8  | -  | -  | 5  | -         | -  | 5  | 3  | 2   |  |  |  |  |
| 3         | 9  | -  | 9+ | 9  | -  | -  | 9  | 9+        | -  | 9+ | 9+ | 7  | 6  | 9+ | 9+ | 8         | 9+ | 9+ | 9+ | 9+ | 9+ | -  | 8  | 9+        | 2  | 7  | 9+ | 8  | -  | -  | 4  | -         | 1  | 5  | -  | 3   |  |  |  |  |
| 4         | 8  | -  | 9+ | 9  | -  | -  | 9  | 9         | -  | 9+ | 9+ | 2  | 8  | 9+ | 9+ | 8         | 9+ | 9+ | 9+ | 9+ | 9+ | 3  | 8  | 9+        | 1  | 8  | 9+ | 8  | -  | -  | 3  | -         | 1  | 6  | -  | 4   |  |  |  |  |
| 5         | 7  | -  | 9+ | 9  | -  | 5  | 9  | 9         | -  | 9+ | 9+ | -  | 9  | 9+ | 9+ | 8         | 9+ | 9+ | 9  | 9+ | 9+ | 2  | 7  | 9         | 5  | 8  | 9+ | 6  | -  | 1  | 3  | -         | -  | 6  | -  | 5   |  |  |  |  |
| 6         | -  | -  | 9+ | 9  | -  | 6  | 9  | 8         | -  | 9+ | 9  | -  | 9  | 9+ | 9+ | 9         | 9+ | 9  | 8  | 9+ | 9+ | 2  | 7  | 8         | 4  | 3  | 8  | 2  | -  | -  | -  | -         | -  | 2  | -  | 6   |  |  |  |  |
| 7         | -  | -  | 9+ | 8  | -  | 8  | 9  | 8         | -  | 9+ | 8  | -  | 9  | 9+ | 8  | 9         | 9+ | 7  | 3  | 9+ | 9+ | -  | 6  | 7         | -  | -  | 8  | 6  | -  | -  | -  | -         | -  | 1  | -  | 7   |  |  |  |  |
| 8         | -  | -  | 9+ | 3  | -  | 8  | 9  | -         | 2  | 9+ | 8  | -  | 9  | 9+ | 3  | 9+        | 9+ | 3  | 1  | 9+ | 9+ | -  | 3  | 2         | -  | -  | 5  | 2  | -  | -  | -  | -         | -  | -  | -  | 8   |  |  |  |  |
| 9         | -  | -  | 9+ | -  | -  | 7  | 9  | -         | 6  | 9+ | 6  | -  | 9  | 9  | 8  | 9         | 9  | 9  | 4  | 6  | 9  | 4  | -  | -         | 4  | 2  | -  | -  | -  | -  | -  | -         | -  | -  | -  | 9   |  |  |  |  |
| 10        | -  | -  | 9+ | -  | -  | 7  | 8  | -         | 7  | 9+ | 2  | -  | 9  | 9  | 8  | 9         | 9  | 9+ | 8  | 6  | 9+ | 9  | 6  | -         | 9  | 9  | -  | -  | -  | -  | -  | 1         | 2  | -  | -  | 10  |  |  |  |  |
| 11        | -  | -  | 9+ | -  | -  | -  | 3  | -         | 3  | 9+ | -  | -  | 8  | 8  | 7  | 9         | 9+ | 9  | 9  | 9+ | 9  | 9  | 8  | 1         | 9  | 8  | -  | 1  | -  | 3  | -  | 9         | 8  | -  | -  | 11  |  |  |  |  |
| 12        | -  | -  | 9+ | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | 7  | 5  | 5  | 9*        | 9+ | 6  | 6* | 9+ | 9+ | 9  | 9  | 9+        | 9  | 7  | 8  | 8  | 4  | 7  | -  | 9         | 9  | -  | -  | 12  |  |  |  |  |
| 13        | -  | -  | 6  | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | -  | 1  | 1  | 8         | 9+ | 4  | 4* | 9  | 9  | 9  | 9  | 9         | 9  | 7  | 9+ | 8  | 7  | 8  | 7  | 9         | 9  | -  | -  | 13  |  |  |  |  |
| 14        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 9  | -  | -  | -  | -  | -  | 3*        | 9+ | 5  | 3* | 5  | 9  | 8  | 9  | 9+        | 9  | 7  | 9  | 8  | 7  | 8  | 7  | 9         | 9  | 2  | -  | 14  |  |  |  |  |
| 15        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 7  | -  | -  | -  | -  | 2  | 1*        | 9+ | 6  | 1* | 7  | 8  | 8  | 8  | 9+        | 9  | 7  | 9  | 9  | 8  | 7  | 4  | 9         | 9  | 3  | 1  | 15  |  |  |  |  |
| 16        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 7  | -  | -  | -  | -  | 4  | 1*        | 9+ | 8  | 2  | 3  | 7  | 9  | 8  | 9+        | 9  | 8  | 6  | 8  | 6  | 8  | 5  | 9         | 9  | 1  | 3  | 16  |  |  |  |  |
| 17        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 8  | -  | -  | -  | -  | 6  | 2         | 9+ | 9  | 6  | 5  | 4  | 9  | 9  | 9+        |    |    |    |    |    |    |    |           |    |    |    |     |  |  |  |  |

**Sep., Paraguay (Asuncion), for SSN = Medium, Sigs in S-Units. By N6BV, ARRL.**

| 80 Meters |    |    |    |    |    |    |    | 40 Meters |    |    |    |    |    |    |    | 20 Meters |    |    |    |    |    |    |    | 15 Meters |    |    |    |    |    |    |    | 10 Meters |    |    |    |     |  |  |  |  |
|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|-----|--|--|--|--|
| UTC       | EU | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU | FE        | SA | AF | AS | OC | NA | EU | FE | SA        | AF | AS | OC | NA | EU | FE | SA | AF        | AS | OC | NA | UTC |  |  |  |  |
| 0         | 9  | -  | 9+ | 9  | 6  | -  | 8  | 9+        | 2  | 9+ | 9+ | 9  | -  | 9  | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 9+ | 2  | 9+ | 9+        | 9+ | 8  | 9  | 9  | -  | 3  | 8  | 3         | -  | 9  | 5  | 0   |  |  |  |  |
| 1         | 9  | -  | 9+ | 9  | 5  | -  | 9  | 9+        | -  | 9+ | 9+ | 9  | -  | 9+ | 9+ | 9+        | 9+ | 9+ | 9  | 9+ | 9+ | 2  | 9  | 9+        | 9  | 5  | 9  | 9+ | -  | 5  | 8  | -         | -  | 9  | 6  | 1   |  |  |  |  |
| 2         | 9  | -  | 9+ | 9  | 2  | -  | 9  | 9+        | -  | 9+ | 9+ | 9  | -  | 9+ | 9+ | 9         | 9+ | 9+ | 9  | 9+ | 9+ | 1  | 9  | 9+        | 7  | 7  | 9+ | 9+ | -  | 5  | 8  | -         | -  | 9  | 1  | 2   |  |  |  |  |
| 3         | 8  | -  | 9+ | 9  | -  | -  | 9  | 9         | -  | 9+ | 9+ | 7  | 7  | 9+ | 9+ | 8         | 9+ | 9+ | 9  | 9+ | 9+ | 1  | 9  | 9         | 2  | 9+ | 9+ | 9  | -  | 5  | 8  | -         | 3  | 9  | 2  | 3   |  |  |  |  |
| 4         | 8  | -  | 9+ | 9  | -  | -  | 8  | 9         | -  | 9+ | 9+ | 3  | 8  | 9+ | 9  | 8         | 9+ | 9+ | 9+ | 9+ | 9+ | 1  | 9  | 9         | 2  | 9  | 9+ | 8  | -  | 5  | 7  | -         | 5  | 9  | 2  | 4   |  |  |  |  |
| 5         | 7  | -  | 9+ | 9  | -  | 5  | 9  | 9         | -  | 9+ | 9+ | -  | 9  | 9+ | 9  | 9         | 9+ | 9+ | 9  | 9+ | 9+ | 1  | 9+ | 9         | 8  | 9  | 9+ | 8  | -  | 4  | 7  | -         | 5  | 9  | 1  | 5   |  |  |  |  |
| 6         | -  | -  | 9+ | 9  | -  | 6  | 9  | 9         | -  | 9+ | 9  | -  | 9  | 9+ | 9+ | 9         | 9+ | 9+ | 9  | 9+ | 9+ | 6  | 9  | 9         | 7  | 7  | 9+ | 7  | -  | 2  | 4  | -         | -  | 7  | -  | 6   |  |  |  |  |
| 7         | -  | -  | 9+ | 8  | -  | 8  | 9  | 8         | -  | 9+ | 8  | -  | 9  | 9+ | 9  | 9+        | 9+ | 8  | 5  | 9+ | 9+ | -  | 8  | 9         | -  | -  | 9  | 2  | -  | -  | 4  | -         | -  | 1  | -  | 7   |  |  |  |  |
| 8         | -  | -  | 9+ | 3  | -  | 8  | 9  | 6         | 6  | 9+ | 9  | -  | 9  | 9+ | 7  | 9+        | 9  | 8  | 3  | 9+ | 9+ | -  | 4  | 7         | 1  | -  | 5  | 4  | -  | -  | -  | -         | -  | -  | -  | 8   |  |  |  |  |
| 9         | -  | -  | 9+ | -  | -  | 7  | 8  | -         | 7  | 9+ | 6  | -  | 9  | 9+ | 9  | 9         | 9+ | 9+ | 8  | 9  | 9  | 8  | 5  | 1         | 7  | 5  | -  | -  | -  | -  | 1  | 2         | -  | -  | -  | 9   |  |  |  |  |
| 10        | -  | -  | 9+ | -  | -  | 6  | 6  | -         | 6  | 9+ | 2  | -  | 9  | 9  | 8  | 9+        | 9+ | 9+ | 7  | 9  | 9+ | 9+ | 8  | 6         | 9  | 9  | 3* | 1  | 5  | 4  | -  | 8         | 7  | -  | -  | 10  |  |  |  |  |
| 11        | -  | -  | 9+ | -  | -  | -  | 1  | -         | 2  | 9+ | -  | -  | 8  | 7  | 6  | 9+        | 9+ | 9  | 8  | 9+ | 9+ | 9  | 9  | 9         | 9  | 9  | 9+ | 8  | 8  | 9  | -  | 9         | 9  | -  | -  | 11  |  |  |  |  |
| 12        | -  | -  | 9+ | -  | -  | -  | -  | -         | 1* | 9+ | -  | -  | 5  | 4  | 3  | 9         | 9+ | 5  | 6* | 9+ | 9+ | 9  | 8  | 9         | 9  | 7  | 9+ | 9  | 9  | 9  | 8  | 9         | 8  | 5  | -  | 12  |  |  |  |  |
| 13        | -  | -  | 2  | -  | -  | -  | -  | -         | -  | 9  | -  | -  | -  | -  | 3* | 7         | 9+ | 4  | 6* | 9  | 9  | 8  | 8  | 9+        | 9  | 7  | 9  | 9  | 9  | 9  | 9+ | 9         | 9  | 8  | 2  | 13  |  |  |  |  |
| 14        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 7  | -  | -  | -  | -  | 1  | 2*        | 9+ | 4  | 3* | 4  | 8  | 8  | 8  | 9+        | 9  | 7  | 9  | 9  | 9  | 9  | 9  | 9         | 9  | 9  | 3  | 14  |  |  |  |  |
| 15        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 5  | -  | -  | -  | -  | 1  | -         | 9+ | 5  | 1  | 4  | 7  | 8  | 8  | 9+        | 9  | 7  | 9  | 9  | 9  | 9  | 8  | 9         | 9  | 9  | 4  | 15  |  |  |  |  |
| 16        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 5  | -  | -  | -  | -  | 2  | -         | 9+ | 7  | 2  | 6  | 3  | 9  | 8  | 9+        | 9  | 9  | 9  | 9  | 9  | 8  | 8  | 9         | 9  | 7  | 7  | 16  |  |  |  |  |
| 17        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 7  | -  | -  | -  | -  | 5  | 1         | 9+ | 8  | 5  |    |    |    |    |           |    |    |    |    |    |    |    |           |    |    |    |     |  |  |  |  |

Oct., Paraguay (Asuncion), for SSN = Medium, Sigs in S-Units. By N6BV, ARRL.

|     | 80 Meters |    |    |    |    |    |    | 40 Meters |    |    |    |    |    |    | 20 Meters |    |    |    |    |    |    | 15 Meters |    |    |    |    |    |    | 10 Meters |    |    |    |    |    |    |     |
|-----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----|
| UTC | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | UTC |
| 0   | 9         | -  | 9+ | 9  | 6  | -  | 8  | 9         | 5  | 9+ | 9+ | 9  | -  | 9  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 2         | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | -         | 8  | 9+ | 8  | 5  | 9  | 9  | 0   |
| 1   | 9         | -  | 9+ | 9  | 6  | -  | 9  | 9+        | -  | 9+ | 9+ | 9  | -  | 9+ | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 2         | 9+ | 9+ | 9+ | 8  | 9+ | 9+ | -         | 9  | 9  | 7  | -  | 9  | 5  | 1   |
| 2   | 9         | -  | 9+ | 9  | 5  | -  | 9  | 9+        | -  | 9+ | 9+ | 9  | -  | 9+ | 9+        | 9  | 9+ | 9+ | 9+ | 9+ | 9+ | 5         | 9+ | 9+ | 9  | 5  | 9+ | 9  | -         | 8  | 9+ | 4  | -  | 9  | 6  | 2   |
| 3   | 9         | -  | 9+ | 9  | -  | -  | 9  | 9         | -  | 9+ | 9+ | 8  | 7  | 9+ | 9+        | 9  | 9+ | 9+ | 9+ | 9+ | 9+ | 4         | 9  | 9+ | 9  | 9+ | 9+ | 9  | -         | 9  | 9+ | 1  | 6  | 9+ | 2  | 3   |
| 4   | 8         | -  | 9+ | 9  | -  | -  | 9  | 9         | -  | 9+ | 9+ | 7  | 8  | 9+ | 9         | 9  | 9+ | 9+ | 9+ | 9+ | 9+ | 4         | 9+ | 9+ | 8  | 9+ | 9+ | 8  | -         | 9  | 9+ | -  | 9  | 9+ | 1  | 4   |
| 5   | 7         | -  | 9+ | 8  | -  | 6  | 9  | 9         | -  | 9+ | 9+ | -  | 9  | 9+ | 9         | 9  | 9+ | 9+ | 9  | 9+ | 9+ | 1         | 9+ | 9+ | -  | 9+ | 9+ | 8  | -         | 8  | 9  | 5  | 9  | 9  | -  | 5   |
| 6   | 6         | -  | 9+ | 9  | -  | 7  | 9  | 9         | -  | 9+ | 9  | -  | 9  | 9+ | 9+        | 9  | 9+ | 9+ | 9  | 9+ | 9+ | 7         | 9+ | 9+ | 9+ | 9  | 9+ | 4  | -         | 6  | 9  | 5  | 6  | 6  | -  | 6   |
| 7   | -         | -  | 9+ | 8  | -  | 8  | 9  | 8         | 2  | 9+ | 9  | -  | 9  | 9+ | 9+        | 9+ | 9+ | 8  | 9+ | 9+ | 8  | 9         | 9  | 9+ | 8  | 7  | 9+ | 1  | -         | 3  | 7  | 1  | -  | 3  | -  | 7   |
| 8   | -         | -  | 9+ | 2  | -  | 7  | 8  | 6         | 6  | 9+ | 8  | -  | 9  | 9+ | 9+        | 9+ | 9  | 8  | 9+ | 9+ | 6  | 7         | 8  | 8  | 6  | 8  | 6  | -  | 1         | 1  | 1  | -  | -  | -  | 8  |     |
| 9   | -         | -  | 9+ | -  | -  | 7  | 8  | -         | 7  | 9+ | 6  | -  | 9  | 9  | 9         | 9  | 9+ | 9+ | 8  | 9+ | 9  | 8         | 8  | 4  | 9  | 8  | 8  | -  | 4         | 5  | -  | 7  | 5  | 1  | -  | 9   |
| 10  | -         | -  | 9+ | -  | -  | -  | 6  | -         | 6  | 9+ | 1  | -  | 8  | 9  | 9         | 9+ | 9+ | 9+ | 8  | 9+ | 9+ | 9+        | 9  | 8  | 9+ | 9+ | 9+ | 5  | 8         | 9  | 1  | 9  | 9  | 2  | -  | 10  |
| 11  | -         | -  | 9+ | -  | -  | -  | 1  | -         | -  | 9+ | -  | -  | 8  | 7  | 7         | 9  | 9+ | 9  | 9  | 9+ | 9+ | 9         | 9  | 9+ | 9+ | 9  | 9+ | 8  | 9+        | 9  | 5  | 9  | 9  | 7  | -  | 11  |
| 12  | -         | -  | 9  | -  | -  | -  | -  | -         | 1* | 9+ | -  | -  | -  | 4  | 4         | 8* | 9+ | 6  | 6* | 9+ | 9+ | 9         | 9  | 9+ | 9  | 9  | 9+ | 9+ | 9         | 9  | 9  | 9  | 9  | 5  | 12 |     |
| 13  | -         | -  | 2  | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | -  | -  | 3*        | 6* | 9+ | 5  | 4* | 9  | 9  | 8         | 8  | 9+ | 9  | 7  | 9  | 9+ | 9         | 9  | 9  | 9  | 9  | 8  | 13 |     |
| 14  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 8  | -  | -  | -  | -  | 1*        | 2* | 9+ | 4  | 2* | 8  | 8  | 8         | 8  | 9+ | 9  | 7  | 9  | 9+ | 8         | 9  | 9+ | 9  | 9  | 9  | 9  | 14  |
| 15  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 6  | -  | -  | -  | -  | -         | -  | 9+ | 4  | -  | 5  | 6  | 8         | 8  | 9+ | 9  | 7  | 9  | 9  | 9         | 9  | 9+ | 9  | 9  | 9  | 9  | 15  |
| 16  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 5  | -  | -  | -  | -  | 1         | -  | 9+ | 6  | 2  | 3  | 4  | 9         | 8  | 9+ | 9  | 8  | 9  | 9  | 9         | 9  | 9  | 9  | 8  | 9  | 16 |     |
| 17  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 7  | -  | -  | -  | -  | 4         | 1* | 9+ | 8  | 5  | 2  | 4  | 9         | 9  | 9+ | 9+ | 9  | 9  | 9  | 9+        | 9  | 9  | 9+ | 9  | 9  | 9  | 17  |
| 18  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 8  | -  | -  | -  | -  | 8         | 8  | 9+ | 9  | 8  | 5  | 6  | 9+        | 9  | 9+ | 9+ | 9  | 9  | 9+ | 9+        | 8  | 9+ | 9+ | 9  | 9  | 9  | 18  |
| 19  | -         | -  | 5  | -  | -  | -  | -  | -         | -  | 9+ | 3  | -  | -  | -  | 9         | 8  | 9+ | 9  | 9  | 8  | 8  | 9+        | 9+ | 9+ | 9+ | 9+ | 8  | 9+ | 8         | 8  | 9+ | 9+ | 9  | 9  | 9  | 19  |
| 20  | -         | -  | 9  | -  | -  | -  | -  | 6         | -  | 9+ | 7  | -  | -  | 2  | 9+        | 9  | 9+ | 9+ | 9+ | 9  | 9  | 9+        | 9+ | 9+ | 9+ | 9+ | 7  | 9+ | 1         | 2  | 9+ | 9+ | 9  | 9  | 9+ | 20  |
| 21  | -         | -  | 9+ | 4  | -  | -  | -  | 8         | 2  | 9+ | 9  | 7  | -  | 4  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 8         | 9  | 9+ | 9+ | 9+ | 8  | 9+ | 1         | 6  | 9+ | 9  | 9  | 9  | 9+ | 21  |
| 22  | -         | -  | 9+ | 7  | -  | -  | 3  | 9         | 5  | 9+ | 9  | 8  | 3  | 7  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 5         | 9  | 9+ | 9+ | 9+ | 9  | 9+ | -         | 9  | 9+ | 9+ | 7  | 9  | 8  | 22  |
| 23  | 8         | -  | 9+ | 8  | 5  | -  | 6  | 9         | 5  | 9+ | 9+ | 9  | -  | 9  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 3         | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | -         | 9  | 9+ | 9  | 8  | 9  | 9  | 23  |
|     | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA |     |

Nov., Paraguay (Asuncion), for SSN = Medium, Sigs in S-Units. By N6BV, ARRL.

|     | 80 Meters |    |    |    |    |    |    | 40 Meters |    |    |    |    |    |    | 20 Meters |    |    |    |    |    |    | 15 Meters |    |    |    |    |    |    | 10 Meters |    |    |    |    |    |    |     |
|-----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----|
| UTC | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | UTC |
| 0   | 9         | -  | 9+ | 9  | 6  | -  | 8  | 9         | 5  | 9+ | 9+ | 9  | -  | 9  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 4         | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | -         | 9  | 9+ | 8  | 2  | 9  | 8  | 0   |
| 1   | 9         | -  | 9+ | 9  | 6  | -  | 8  | 9         | -  | 9+ | 9+ | 9  | -  | 9+ | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 2         | 9+ | 9+ | 9+ | 7  | 9  | 9  | -         | 9  | 9+ | 6  | -  | 9  | 6  | 1   |
| 2   | 9         | -  | 9+ | 9  | 5  | -  | 9  | 9+        | -  | 9+ | 9+ | 9  | 5  | 9+ | 9+        | 9  | 9+ | 9+ | 9+ | 9+ | 9+ | 4         | 9+ | 9+ | 9  | 2* | 9+ | 9+ | -         | 9  | 9  | 1  | -  | 9  | 3  | 2   |
| 3   | 9         | -  | 9+ | 8  | -  | -  | 9  | 9+        | -  | 9+ | 9+ | 8  | 7  | 9+ | 9+        | 9  | 9+ | 9+ | 9+ | 9+ | 9+ | 3         | 9+ | 9+ | 9  | 9  | 9+ | 8  | -         | 8  | 8  | -  | 2  | 9  | 1  | 3   |
| 4   | 9         | -  | 9+ | 8  | -  | -  | 9  | 9         | -  | 9+ | 9+ | 7  | 8  | 9+ | 9         | 9  | 9+ | 9+ | 9+ | 9+ | 9+ | 3         | 9+ | 9+ | 8  | 9+ | 9+ | 8  | -         | 7  | 8  | -  | 8  | 9  | 1  | 4   |
| 5   | 8         | -  | 9+ | 8  | -  | 6  | 9  | 9         | -  | 9+ | 9+ | -  | 9  | 9+ | 9         | 9  | 9+ | 9+ | 9+ | 9+ | 9+ | -         | 9+ | 9+ | 9  | 9+ | 9+ | 8  | -         | 4  | 7  | 4  | 7  | 9  | -  | 5   |
| 6   | 6         | -  | 9+ | 8  | -  | 7  | 9  | 9         | 1  | 9+ | 9  | -  | 9  | 9+ | 9         | 9+ | 9+ | 9+ | 9  | 9+ | 9+ | 2         | 9  | 9+ | 9  | 8  | 9+ | 1  | -         | 1  | 5  | 2  | 4  | 7  | -  | 6   |
| 7   | -         | -  | 9+ | 7  | -  | 7  | 8  | 8         | 6  | 9+ | 9  | -  | 9  | 9+ | 9+        | 9+ | 9+ | 6  | 9  | 9+ | 9+ | 5         | 5  | 9  | 8  | 7  | 9+ | 1  | -         | 1  | 5  | 1  | -  | 3  | -  | 7   |
| 8   | -         | -  | 9+ | 2  | -  | 7  | 8  | 6         | 7  | 9+ | 8  | -  | 9  | 9+ | 9+        | 9+ | 9+ | 9  | 9  | 9+ | 9+ | 7         | 8  | 8  | 9  | 7  | 9  | 6  | -         | 2  | -  | 1  | 1  | 1  | -  | 8   |
| 9   | -         | -  | 9+ | -  | -  | 7  | 8  | 3         | 8  | 9+ | 6  | -  | 9  | 9  | 9         | 9  | 9+ | 9+ | 9  | 9+ | 9  | 8         | 9  | 5  | 9  | 9  | 9+ | -  | 4         | 6  | -  | 5  | 4  | 3  | -  | 9   |
| 10  | -         | -  | 9+ | -  | -  | -  | 5  | -         | 7  | 9+ | 1  | -  | 8  | 9  | 9         | 9  | 9+ | 9+ | 9  | 9+ | 9  | 9+        | 9  | 9  | 9  | 9+ | 9+ | 3  | 6         | 8  | 1  | 8  | 7  | 5  | -  | 10  |
| 11  | -         | -  | 9+ | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | 7  | 7  | 9         | 9  | 9+ | 9  | 9  | 9+ | 9+ | 9         | 9  | 9  | 9  | 9  | 9+ | 4  | 9+        | 8  | 6  | 8  | 8  | 7  | -  | 11  |
| 12  | -         | -  | 9  | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | -  | 3  | 4         | 6* | 9+ | 8  | 7* | 9+ | 9+ | 9         | 9  | 9+ | 9  | 8  | 9+ | 9+ | 9         | 8  | 9  | 8  | 6  | 8  | 4  | 12  |
| 13  | -         | -  | 1  | -  | -  | -  | -  | -         | -  | 9  | -  | -  | -  | -  | 2*        | 3* | 9+ | 4  | 2* | 9  | 9  | 8         | 8  | 9+ | 9  | 7  | 9  | 9+ | 9         | 9  | 9  | 9  | 8  | 8  | 9  | 13  |
| 14  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 8  | -  | -  | -  | -  | -         | 1* | 9+ | 4  | -  | 8  | 8  | 8         | 8  | 9  | 8  | 7  | 8  | 9+ | 9         | 9  | 9+ | 9  | 9  | 9  | 9  | 14  |
| 15  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 6  | -  | -  | -  | -  | -         | -  | 9+ | 4  | -  | 5  | 5  | 8         | 7  | 9  | 9  | 7  | 8  | 9  | 9         | 9  | 9+ | 9  | 9  | 9  | 9  | 15  |
| 16  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 5  | -  | -  | -  | -  | 1         | -  | 9+ | 5  | 1  | 3  | 4  | 8         | 8  | 9+ | 9  | 8  | 9  | 9  | 9         | 8  | 9+ | 5  | 9  | 8  | 9  | 16  |
| 17  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 7  | -  | -  | -  | -  | 4         | 1  | 9+ | 8  | 5  | 2  | 4  | 9         | 9  | 9+ | 9  | 9  | 8  | 9  | 9+        | 8  | 9+ | 8  | 9  | 9  | 9  | 17  |
| 18  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 8  | -  | -  | -  | -  | 8         | 7  | 9+ | 9  | 8  | 5  | 5  | 9+        | 9  | 9+ | 9+ | 9  | 8  | 9+ | 7         | 8  | 9+ | 9+ | 9  | 9  | 9  | 18  |
| 19  | -         | -  | 4  | -  | -  | -  | -  | -         | -  | 9  | 2  | -  | -  | -  | 9         | 9  | 9+ | 9  | 9  | 8  | 8  | 9+        | 9  | 9+ | 9+ | 9+ | 8  | 9+ | 2         | 7  | 9+ | 9+ | 9  | 9  | 9  | 19  |
| 20  | -         | -  | 9  | -  | -  | -  | -  | -         | -  | 9+ | 6  | -  | -  | 1  | 9+        | 9  | 9+ | 9+ | 9+ | 8  | 9  | 9         | 9+ | 9+ | 9+ | 9+ | 7  | 9+ | -         | 4  | 9+ | 9+ | 9  | 9  | 9  | 20  |
| 21  | -         | -  | 9+ | 2  | -  | -  | -  | 8         | 1  | 9+ | 8  | 7  | -  | 4  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 8         | 8  | 9+ | 9+ | 9+ | 8  | 9+ | -         | 2  | 9+ | 9  | 5  | 9  | 9+ | 21  |
| 22  | -         | -  | 9+ | 6  | -  | -  | 3  | 9         | 5  | 9+ | 9  | 8  | -  | 7  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 5         | 9  | 9+ | 9+ | 9+ | 8  | 9+ | -         | 9  | 9+ | 9  | 5  | 9  | 9+ | 22  |
| 23  | 8         | -  | 9+ | 8  | 5  | -  | 6  | 9         | 5  | 9+ | 9+ | 9  | -  | 9  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 1         | 9  | 9+ | 9+ | 9+ | 9+ | 9+ | -         | 9+ | 9+ | 9  | 6  | 9  | 9+ | 23  |
|     | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA |     |



**Dec., Paraguay (Asuncion), for SSN = Medium, Sigs in S-Units. By N6BV, ARRL.**

| 80 Meters |    |    |    |    |    |    |    | 40 Meters |    |    |    |    |    |    |    | 20 Meters |    |    |    |    |    |    |    | 15 Meters |    |    |    |    |    |    |    | 10 Meters |    |    |    |     |   |  |  |  |
|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|-----|---|--|--|--|
| UTC       | EU | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU | FE        | SA | AF | AS | OC | NA | EU | FE | SA        | AF | AS | OC | NA | EU | FE | SA | AF        | AS | OC | NA | UTC |   |  |  |  |
| 0         | 8  | -  | 9+ | 8  | 5  | -  | 8  | 9         | 5  | 9+ | 9+ | 9  | -  | 9  | 9+ | 9+        | 9+ | 9+ | 9+ | 8  | 9+ | 5  | 9+ | 9+        | 9+ | 9+ | 9+ | 9+ | 9+ | -  | 8  | 9+        | 7  | 3  | 8  | 8   | 0 |  |  |  |
| 1         | 9  | -  | 9+ | 9  | 6  | -  | 8  | 9+        | -  | 9+ | 9+ | 9  | -  | 9+ | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 9+ | 3  | 9+ | 9+        | 9+ | 5  | 9+ | 9+ | -  | 6  | 9  | 4         | -  | 7  | 4  | 1   |   |  |  |  |
| 2         | 9  | -  | 9+ | 8  | 5  | -  | 9  | 9+        | -  | 9+ | 9+ | 9  | 5  | 9+ | 9+ | 9         | 9+ | 9+ | 9  | 9+ | 9+ | 2  | 9+ | 9+        | 8  | 1* | 9+ | 7  | -  | 8  | 5  | -         | -  | 4  | 1  | 2   |   |  |  |  |
| 3         | 9  | -  | 9+ | 8  | 2  | -  | 9  | 9+        | -  | 9+ | 9+ | 8  | 7  | 9+ | 9+ | 9         | 9+ | 9+ | 9+ | 9+ | 9+ | -  | 9+ | 9+        | 6  | 6  | 9+ | 8  | -  | 6  | -  | -         | -  | 4  | -  | 3   |   |  |  |  |
| 4         | 9  | -  | 9+ | 8  | -  | 5  | 9  | 9+        | -  | 9+ | 9+ | 7  | 8  | 9+ | 9  | 9+        | 9+ | 9+ | 9+ | 9+ | 9+ | -  | 9+ | 9         | 8  | 9+ | 9+ | 4  | -  | 2  | -  | -         | 1  | 6  | -  | 4   |   |  |  |  |
| 5         | 9  | -  | 9+ | 8  | -  | 6  | 9  | 9+        | 1  | 9+ | 9+ | 2  | 9  | 9+ | 8  | 9+        | 9+ | 9  | 9+ | 9+ | 9+ | -  | 8  | 6         | 8  | 8  | 9+ | -  | -  | 3  | -  | 1         | -  | 5  | -  | 5   |   |  |  |  |
| 6         | 8  | -  | 9+ | 8  | -  | 7  | 9  | 9         | 4  | 9+ | 9+ | -  | 9  | 9+ | 8  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | -  | 5  | 4         | 9  | 7  | 9+ | 1  | -  | 1  | -  | 1         | -  | 4  | -  | 6   |   |  |  |  |
| 7         | 5  | -  | 9+ | 7  | -  | 7  | 9  | 9         | 7  | 9+ | 9  | -  | 9  | 9+ | 9+ | 9+        | 9+ | 4  | 9  | 9+ | 9  | 2  | 5  | 8         | 8  | 1  | 9  | 1  | -  | 1  | -  | -         | -  | 3  | -  | 7   |   |  |  |  |
| 8         | -  | 2  | 9+ | 2  | -  | 7  | 8  | 7         | 8  | 9+ | 8  | -  | 9  | 9+ | 9  | 9         | 9+ | 9  | 9  | 9+ | 9  | 5  | 7  | 4         | 8  | 3  | 8  | 2  | -  | 2  | -  | 1         | -  | 3  | -  | 8   |   |  |  |  |
| 9         | -  | -  | 9+ | -  | -  | 6  | 8  | 4         | 8  | 9+ | 6  | 2  | 9  | 9  | 9+ | 8         | 9+ | 9+ | 9  | 9+ | 9  | 8  | 9  | -         | 9  | 8  | 9  | -  | 2  | 4  | -  | 4         | 3  | 5  | -  | 9   |   |  |  |  |
| 10        | -  | -  | 9+ | -  | -  | -  | 5  | 1         | 5  | 9+ | 2  | -  | 8  | 9  | 9  | 9         | 9+ | 9+ | 9  | 9+ | 9  | 9  | 9  | 6         | 9  | 9  | 9  | 1  | 1  | 5  | -  | 5         | 2  | 6  | -  | 10  |   |  |  |  |
| 11        | -  | -  | 9+ | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | 6  | 7  | 9  | 8*        | 9+ | 9  | 8  | 9+ | 9+ | 9+ | 9  | 9         | 9  | 9  | 9  | 1  | 9  | 7  | -  | 7         | 3  | 8  | -  | 11  |   |  |  |  |
| 12        | -  | -  | 5  | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | -  | 6  | 4  | 3*        | 9+ | 7  | 6  | 9  | 9+ | 9  | 9  | 9+        | 9  | 8  | 9  | 9  | 9  | 7  | 9+ | 6         | 1  | 7  | 1  | 12  |   |  |  |  |
| 13        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 9  | -  | -  | -  | -  | 1  | 2*        | 9+ | 4  | 1* | 8  | 9  | 8  | 9  | 9+        | 9  | 8  | 9  | 9+ | 8  | 8  | 9+ | 7         | 4  | 8  | 8  | 13  |   |  |  |  |
| 14        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 8  | -  | -  | -  | -  | -  | -         | 9+ | 4  | -  | 7  | 8  | 9  | 8  | 9         | 9  | 7  | 8  | 9  | 9  | 8  | 9+ | 9         | 7  | 8  | 9  | 14  |   |  |  |  |
| 15        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 6  | -  | -  | -  | -  | -  | -         | 9+ | 4  | -  | 5  | 6  | 8  | 7  | 9         | 9  | 7  | 8  | 9  | 9  | 6  | 9+ | 8         | 9  | 5  | 9  | 15  |   |  |  |  |
| 16        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 5  | -  | -  | -  | -  | 1  | -         | 9+ | 5  | 1  | 4  | 4  | 9  | 7  | 9+        | 9  | 8  | 8  | 9  | 9  | 3  | 9  | 8         | 9  | 1  | 9  | 16  |   |  |  |  |
| 17        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 6  | -  | -  | -  | -  | 5  | 1         | 9+ | 8  | 4  | 5  | 4  | 9  | 9  | 9+        | 9  | 9  | 8  | 9  | 6  | 2  | 9  | 9         | 9  | 5  | 9  | 17  |   |  |  |  |
| 18        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 8  | -  | -  | -  | -  | 8  | 4         | 9+ | 9  | 7  | 6  | 6  | 9+ | 9  | 9+        | 9+ | 9  | 8  | 9  | 1  | -  | 9+ | 9+        | 9  | 8  | 9  | 18  |   |  |  |  |
| 19        | -  | -  | 2  | -  | -  | -  | -  | -         | -  | 9  | 2  | -  | -  | -  | 9  | 8         | 9+ | 9  | 9  | 6  | 8  | 9  | 7  | 9+        | 9+ | 9+ | 8  | 9+ | -  | -  | 9+ | 9         | 8  | 9  | 9  | 19  |   |  |  |  |
| 20        | -  | -  | 9  | -  | -  | -  | -  | -         | -  | 9+ | 5  | -  | -  | 1  | 9+ | 9         | 9+ | 9+ | 9  | 8  | 9  | 8  | 7  | 9+        | 9+ | 9+ | 8  | 9+ | -  | -  | 9+ | 9+        | 7  | 9  | 9  | 20  |   |  |  |  |
| 21        | -  | -  | 9+ | 2  | -  | -  | -  | 8         | -  | 9+ | 8  | 3  | -  | 4  | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 9+ | 3  | 6  | 9+        | 9+ | 9+ | 8  | 9+ | -  | -  | 9+ | 9+        | 8  | 8  | 9  | 21  |   |  |  |  |
| 22        | -  | -  | 9+ | 5  | -  | -  | 3  | 9         | 6  | 9+ | 9  | 8  | -  | 7  | 9+ | 9         | 9+ | 9+ | 9+ | 9  | 9+ | 3  | 9  | 9+        | 9+ | 9+ | 9  | 9+ | -  | 5  | 9+ | 9         | 8  | 9  | 9  | 22  |   |  |  |  |
| 23        | 8  | -  | 9+ | 7  | 1  | -  | 6  | 9         | 5  | 9+ | 9+ | 8  | -  | 9  | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 9+ | 3  | 9  | 9+        | 9+ | 9+ | 9  | 9+ | -  | 8  | 9+ | 8         | 7  | 9  | 8  | 23  |   |  |  |  |
|           | EU | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU | FE        | SA | AF | AS | OC | NA | EU | FE | SA        | AF | AS | OC | NA | EU | FE | SA | AF        | AS | OC | NA |     |   |  |  |  |

**Jan., Paraguay (Asuncion), for SSN = Low, Sigs in S-Units. By N6BV, ARRL.**

| 80 Meters |    |    |    |    |    |    |    | 40 Meters |    |    |    |    |    |    |    | 20 Meters |    |    |    |    |    |    |    | 15 Meters |    |    |    |    |    |    |    | 10 Meters |    |    |    |     |  |  |  |  |
|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|-----|--|--|--|--|
| UTC       | EU | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU | FE        | SA | AF | AS | OC | NA | EU | FE | SA        | AF | AS | OC | NA | EU | FE | SA | AF        | AS | OC | NA | UTC |  |  |  |  |
| 0         | 8  | -  | 9+ | 8  | 6  | -  | 8  | 9         | 5  | 9+ | 9+ | 9  | -  | 9  | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 9+ | 1  | 9  | 9+        | 7  | 2  | 9+ | 9  | -  | 4  | 9  | -         | -  | 6  | 2  | 0   |  |  |  |  |
| 1         | 9  | -  | 9+ | 9  | 7  | -  | 8  | 9+        | -  | 9+ | 9+ | 9  | -  | 9+ | 9+ | 9+        | 9+ | 9+ | 9  | 9  | 9+ | -  | 9+ | 9+        | 4  | -  | 9  | 8  | -  | 4  | 7  | -         | -  | 4  | -  | 1   |  |  |  |  |
| 2         | 9  | -  | 9+ | 8  | 5  | -  | 9  | 9+        | -  | 9+ | 9+ | 8  | 5  | 9+ | 9+ | 9         | 9+ | 9+ | 8  | 9  | 9+ | -  | 9  | 9+        | -  | -  | 9  | 3  | -  | 1  | 2  | -         | -  | 1  | -  | 2   |  |  |  |  |
| 3         | 8  | -  | 9+ | 9  | 2  | -  | 9  | 9+        | -  | 9+ | 9+ | 8  | 7  | 9+ | 9+ | 9         | 9+ | 9+ | 9+ | 9+ | 9+ | -  | 9  | 9+        | 1  | 1  | 9  | 1  | -  | -  | -  | -         | -  | -  | -  | 3   |  |  |  |  |
| 4         | 8  | -  | 9+ | 9  | -  | -  | 9  | 9+        | -  | 9+ | 9+ | 7  | 8  | 9+ | 9  | 9         | 9+ | 6  | 9+ | 9+ | 9+ | -  | 8  | 9         | 1  | 5  | 9  | 1  | -  | -  | -  | -         | -  | -  | -  | 4   |  |  |  |  |
| 5         | 8  | -  | 9+ | 8  | -  | 6  | 9  | 9         | -  | 9+ | 9+ | 2  | 9  | 9+ | 8  | 9+        | 9+ | 7  | 9+ | 9+ | 9+ | -  | 5  | 6         | 4  | 1  | 9  | -  | -  | -  | -  | -         | -  | -  | -  | 5   |  |  |  |  |
| 6         | 7  | -  | 9+ | 7  | -  | 7  | 9  | 9         | 2  | 9+ | 9  | -  | 9  | 9+ | 5  | 9+        | 9+ | 8  | 9  | 9+ | 9  | -  | 3  | 1         | 3  | 1  | 8  | -  | -  | -  | -  | -         | -  | -  | -  | 6   |  |  |  |  |
| 7         | 5  | -  | 9+ | 8  | -  | 7  | 9  | 9         | 6  | 9+ | 9  | -  | 9  | 9+ | 8  | 9+        | 9+ | 9  | 7  | 9+ | 9  | -  | 1  | 4         | 1  | -  | 5  | -  | -  | -  | -  | -         | -  | -  | -  | 7   |  |  |  |  |
| 8         | -  | -  | 9+ | 5  | -  | 7  | 8  | 7         | 7  | 9+ | 8  | -  | 9  | 9+ | 8  | 8         | 9+ | 9  | 4  | 9+ | 8  | -  | 1  | 2         | 2  | -  | 3  | -  | -  | -  | -  | -         | -  | -  | -  | 8   |  |  |  |  |
| 9         | -  | -  | 9+ | -  | -  | 7  | 8  | 4         | 8  | 9+ | 7  | -  | 9  | 9  | 9  | 8         | 9+ | 9  | 7  | 9+ | 5  | 4  | 5  | 4         | 6  | 2  | 5  | -  | -  | -  | -  | -         | -  | -  | -  | 9   |  |  |  |  |
| 10        | -  | -  | 9+ | -  | -  | -  | 6  | -         | 7  | 9+ | 3  | -  | 8  | 9  | 9  | 9         | 9+ | 9+ | 9  | 9+ | 6  | 7  | 8  | 6         | 9  | 7  | 8  | -  | -  | -  | -  | -         | -  | -  | -  | 10  |  |  |  |  |
| 11        | -  | -  | 9+ | -  | -  | -  | 1  | -         | -  | 9+ | -  | -  | 7  | 8  | 9  | 9         | 9+ | 9  | 9  | 9+ | 9  | 9+ | 9  | 8         | 9  | 9  | 9  | -  | 6  | 3  | -  | 1         | 4  | -  | -  | 11  |  |  |  |  |
| 12        | -  | -  | 7  | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | -  | 4  | 6  | 5*        | 9+ | 8  | 5  | 9+ | 9+ | 9  | 9  | 9+        | 9  | 8  | 9  | 8  | 5  | 2  | 3  | 2         | 1  | -  | -  | 12  |  |  |  |  |
| 13        | -  | -  | 1  | -  | -  | -  | -  | -         | -  | 9  | -  | -  | -  | 1  | 2  | 2*        | 9+ | 6  | 2* | 9  | 9  | 9  | 9  | 9+        | 9  | 8  | 9  | 9  | 5  | 5  | 8  | 4         | -  | 1  | 2  | 13  |  |  |  |  |
| 14        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 8  | -  | -  | -  | -  | 1  | -         | 9+ | 4  | -  | 8  | 8  | 9  | 9  | 9         | 9  | 8  | 9  | 9  | 5  | 4  | 8  | 8         | 5  | 1  | 3  | 14  |  |  |  |  |
| 15        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 7  | -  | -  | -  | -  | 1  | -         | 9+ | 5  | -  | 7  | 6  | 9  | 8  | 9+        | 9  | 8  | 7  | 9  | 5  | 4  | 8  | 8         | 7  | -  | 4  | 15  |  |  |  |  |
| 16        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 6  | -  | -  | -  | -  | 2  | -         | 9+ | 6  | 2  | 5  | 5  | 9  | 8  | 9+        | 9  | 9  | 2  | 9  | 5  | 2  | 7  | 8         | 9  | -  | 4  | 16  |  |  |  |  |
| 17        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 7  | -  | -  | -  | -  | 6  | 1         | 9+ | 8  | 5  | 3  | 4  | 9+ | 7  | 9+        | 9  | 9  | 9  | 9  | 2  | -  | 8  | 9         | 8  | -  | 6  | 17  |  |  |  |  |
| 18        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 9  | -  | -  | -  | -  | 8  | 7         | 9+ | 9  | 8  | 2  | 6  | 9  | 5  | 9+        | 9+ | 9  | 9  | 9  | -  | -  | 8  | 8         | 4  | 8  | 6  | 18  |  |  |  |  |
| 19        | -  | -  | 4  | -  | -  | -  | -  | -         | -  | 9  | 2  | -  | -  | -  | 9+ | 8         | 9+ | 9  | 9  | 7  | 8  | 5  | -  | 9+        | 9+ | 9+ | 8  | 9  | -  | -  | 9  | 8         | 2  | 8  | 7  | 19  |  |  |  |  |
| 20        | -  | -  | 9  | -  | -  | -  | -  | -         | -  | 9+ | 6  | -  | -  | 1  | 9+ | 9         | 9+ | 9+ | 9+ | 7  | 9+ | 4  | -  | 9+        | 9+ | 9  | 8  | 9  | -  | -  | 9+ | 7         | -  | 8  | 8  | 20  |  |  |  |  |
| 21        | -  | -  | 9+ | 2  | -  | -  | -  | 8         | 1  | 9+ | 8  | 7  | -  | 4  | 9+ | 9         | 9+ | 9+ | 9+ | 9  | 9+ | 1  | 1  | 9+        | 9+ | 8  | 8  | 9+ | -  | -  | 9+ | 2         | -  | 9  | 8  | 21  |  |  |  |  |
| 22        | -  | -  | 9+ | 6  | -  | -  | 3  | 9         | 6  | 9+ | 9  | 8  | 3  | 7  | 9+ | 9         | 9+ | 9+ | 9+ | 9  | 9+ | -  | 8  | 9+        | 9  | 7  | 8  | 9+ | -  | -  | 9+ | -         | -  | 9  | 8  | 22  |  |  |  |  |
| 23        | 7  | -  | 9+ | 7  | 6  | -  | 6  | 9         | 6  | 9+ | 9+ | 9  | -  | 9  | 9+ | 9         | 9+ | 9+ | 9+ | 9  | 9+ | -  | 9  | 9+        | 8  | 7  | 9  | 9+ | -  | 1  | 9+ | -         | -  | 8  | 9  | 23  |  |  |  |  |
|           | EU | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU | FE        | SA | AF | AS | OC | NA | EU | FE | SA        | AF | AS | OC | NA | EU | FE | SA | AF        | AS | OC | NA |     |  |  |  |  |

**Feb., Paraguay (Asuncion), for SSN = Low, Sigs in S-Units. By N6BV, ARRL.**

| 80 Meters |    |    |    |    |    |    |    | 40 Meters |    |    |    |    |    |    |    | 20 Meters |    |    |    |    |    |    |    | 15 Meters |    |    |    |    |    |    |    | 10 Meters |    |    |    |     |  |  |  |  |
|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|-----|--|--|--|--|
| UTC       | EU | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU | FE        | SA | AF | AS | OC | NA | EU | FE | SA        | AF | AS | OC | NA | EU | FE | SA | AF        | AS | OC | NA | UTC |  |  |  |  |
| 0         | 8  | -  | 9+ | 8  | 6  | -  | 7  | 9         | 5  | 9+ | 9+ | 9  | -  | 9  | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 9+ | 1  | 9  | 9+        | 9  | 8  | 9+ | 9+ | -  | 5  | 9+ | 1         | -  | 9  | 8  | 0   |  |  |  |  |
| 1         | 9  | -  | 9+ | 9  | 7  | -  | 8  | 9         | 1  | 9+ | 9+ | 9  | -  | 9+ | 9+ | 9+        | 9+ | 9+ | 9  | 9+ | 9+ | 1  | 9+ | 9+        | 9  | 5  | 9+ | 9+ | -  | 5  | 9  | -         | -  | 8  | 3  | 1   |  |  |  |  |
| 2         | 9  | -  | 9+ | 8  | 5  | -  | 9  | 9+        | -  | 9+ | 9+ | 9  | -  | 9+ | 9+ | 9         | 9+ | 9+ | 8  | 9+ | 9+ | 3  | 9+ | 9+        | 9  | 1* | 9+ | 7  | -  | 5  | 8  | -         | -  | 6  | -  | 2   |  |  |  |  |
| 3         | 9  | -  | 9+ | 8  | -  | -  | 9  | 9+        | -  | 9+ | 9+ | 8  | 7  | 9+ | 9+ | 9         | 9+ | 9+ | 9+ | 9+ | 9+ | 3  | 9+ | 9+        | 7  | 4  | 9+ | 8  | -  | 6  | 8  | -         | -  | 7  | -  | 3   |  |  |  |  |
| 4         | 8  | -  | 9+ | 8  | -  | -  | 9  | 9         | -  | 9+ | 9+ | 6  | 8  | 9+ | 9  | 9         | 9+ | 9+ | 9  | 9+ | 9+ | 1  | 9+ | 9         | 2  | 7  | 9+ | 5  | -  | 4  | 7  | -         | -  | 6  | -  | 4   |  |  |  |  |
| 5         | 8  | -  | 9+ | 8  | -  | 5  | 9  | 9         | -  | 9+ | 9+ | -  | 9  | 9+ | 8  | 9         | 9+ | 7  | 9+ | 9+ | 9+ | -  | 9+ | 9         | 5  | 8  | 9+ | 1  | -  | 1  | 3  | -         | -  | 1  | -  | 5   |  |  |  |  |
| 6         | 6  | -  | 9+ | 8  | -  | 7  | 9  | 9         | -  | 9+ | 9+ | -  | 9  | 9+ | 9  | 9+        | 9+ | 9+ | 9  | 9+ | 9  | -  | 8  | 9         | 5  | 6  | 9+ | -  | -  | -  | -  | -         | -  | -  | -  | 6   |  |  |  |  |
| 7         | -  | -  | 9+ | 8  | -  | 7  | 9  | 8         | 4  | 9+ | 9  | -  | 9  | 9+ | 9  | 9+        | 9+ | 9  | 9  | 9+ | 9  | 1  | 6  | 9         | 4  | 2  | 8  | 1  | -  | -  | 2  | -         | -  | -  | -  | 7   |  |  |  |  |
| 8         | -  | -  | 9+ | 1  | -  | 7  | 8  | 7         | 6  | 9+ | 8  | -  | 9  | 9+ | 8  | 9+        | 9  | 9  | 5  | 9+ | 9+ | -  | 2  | 5         | 3  | -  | 6  | 4  | -  | -  | -  | -         | -  | -  | -  | 8   |  |  |  |  |
| 9         | -  | 1  | 9+ | -  | -  | 7  | 8  | 3         | 7  | 9+ | 6  | -  | 9  | 9  | 9  | 8         | 9  | 9  | 7  | 9+ | 9  | 4  | 4  | -         | 6  | 4  | 5  | -  | -  | -  | -  | -         | -  | -  | -  | 9   |  |  |  |  |
| 10        | -  | -  | 9+ | -  | -  | -  | 6  | -         | 6  | 9+ | 2  | -  | 9  | 9  | 9  | 8         | 9  | 9+ | 9  | 9+ | 8  | 9  | 9  | 1         | 9  | 8  | 6  | -  | -  | 1  | -  | 1         | -  | -  | -  | 10  |  |  |  |  |
| 11        | -  | -  | 9+ | -  | -  | -  | 2  | -         | 3  | 9+ | -  | -  | 8  | 8  | 7  | 8         | 9+ | 9  | 9  | 9+ | 9+ | 9+ | 9  | 6         | 9  | 8  | 9  | -  | 6  | 6  | -  | 6         | 2  | -  | -  | 11  |  |  |  |  |
| 12        | -  | -  | 9  | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | -  | 6  | 5  | 5         | 9+ | 8  | 5* | 9+ | 9+ | 9  | 9  | 9+        | 9  | 8  | 9+ | 9  | 6  | 7  | 6  | 5         | 3  | 3  | -  | 12  |  |  |  |  |
| 13        | -  | -  | 2  | -  | -  | -  | -  | -         | -  | 9  | -  | -  | -  | 1  | 2* | 4*        | 9+ | 5  | 2* | 9  | 9  | 9  | 9  | 9+        | 9  | 8  | 9  | 9  | 5  | 7  | 9+ | 6         | 1  | 4  | 4  | 13  |  |  |  |  |
| 14        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 8  | -  | -  | -  | -  | 1  | 1*        | 9+ | 4  | -  | 9  | 8  | 9  | 8  | 9+        | 9  | 8  | 9  | 9+ | 5  | 8  | 9  | 7         | 8  | 5  | 7  | 14  |  |  |  |  |
| 15        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 7  | -  | -  | -  | -  | 1  | -         | 9+ | 6  | 1  | 7  | 7  | 9  | 8  | 9         | 9  | 8  | 9  | 9  | 5  | 8  | 9  | 9         | 8  | 6  | 7  | 15  |  |  |  |  |
| 16        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 6  | -  | -  | -  | -  | 1  | -         | 9+ | 6  | 2  | 5  | 5  | 9  | 8  | 9         | 9  | 8  | 9  | 9  | 6  | 7  | 9  | 9         | 9  | 2  | 7  | 16  |  |  |  |  |
| 17        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 7  | -  | -  | -  | -  | 5  | 1         | 9+ | 8  | 5  | 2  | 4  | 9  | 9  | 9+        | 9  | 9  | 8  | 9  | 8  | 6  | 8  | 9         | 9  | -  | 8  | 17  |  |  |  |  |
| 18        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 8  | -  | -  | -  | -  | 8  | 7         | 9+ | 9  | 8  | 2  | 6  | 9+ | 9  | 9+        | 9+ | 9+ | 8  | 9  | 4  | 1  | 9  | 9         | 8  | 8  | 8  | 18  |  |  |  |  |
| 19        | -  | -  | 5  | -  | -  | -  | -  | -         | -  | 9  | 2  | -  | -  | -  | 9  | 8         | 9+ | 9  | 9  | 8  | 8  | 9+ | 8  | 9+        | 9+ | 9+ | 8  | 9  | 1  | -  | 9  | 9         | 8  | 9  | 9  | 19  |  |  |  |  |
| 20        | -  | -  | 9  | -  | -  | -  | -  | 6         | -  | 9+ | 6  | -  | -  | 1  | 9+ | 9         | 9+ | 9+ | 9+ | 8  | 9  | 8  | 4  | 9+        | 9+ | 9+ | 8  | 9+ | -  | -  | 9+ | 8         | 5  | 9  | 9  | 20  |  |  |  |  |
| 21        | -  | -  | 9+ | 3  | -  | -  | -  | 8         | 2  | 9+ | 9  | 7  | -  | 4  | 9+ | 9         | 9+ | 9+ | 9+ | 8  | 9+ | 5  | 5  | 9+        | 9+ | 9+ | 8  | 9+ | -  | -  | 9+ | 8         | 2  | 9  | 9  | 21  |  |  |  |  |
| 22        | -  | -  | 9+ | 6  | -  | -  | 2  | 8         | 5  | 9+ | 9  | 8  | 3  | 6  | 9+ | 9         | 9+ | 9+ | 9+ | 9  | 9+ | 1  | 9  | 9+        | 9+ | 9  | 8  | 9+ | -  | 1  | 9+ | 6         | 1  | 9  | 9  | 22  |  |  |  |  |
| 23        | 7  | -  | 9+ | 7  | 5  | -  | 5  | 9         | 6  | 9+ | 9  | 8  | -  | 9  | 9+ | 9         | 9+ | 9+ | 9+ | 9  | 9+ | -  | 9  | 9+        | 9+ | 9  | 9  | 9+ | -  | 6  | 9+ | 5         | 1  | 9  | 9  | 23  |  |  |  |  |
|           | EU | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU | FE        | SA | AF | AS | OC | NA | EU | FE | SA        | AF | AS | OC | NA | EU | FE | SA | AF        | AS | OC | NA |     |  |  |  |  |

Mar., Paraguay (Asuncion), for SSN = Low, Sigs in S-Units. By N6BV, ARRL.

|     | 80 Meters |    |    |    |    |    |    | 40 Meters |    |    |    |    |    |    | 20 Meters |    |    |    |    |    |    | 15 Meters |    |    |    |    |    |    | 10 Meters |    |    |    |    |    |    |     |
|-----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----|
| UTC | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | UTC |
| 0   | 9         | -  | 9+ | 8  | 6  | -  | 8  | 9         | 5  | 9+ | 9+ | 9  | -  | 9  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | -         | 9  | 9+ | 9+ | 9+ | 9  | 9+ | -         | 6  | 9+ | 6  | 2  | 9  | 9  | 0   |
| 1   | 9         | -  | 9+ | 9  | 7  | -  | 9  | 9+        | 1  | 9+ | 9+ | 9  | -  | 9+ | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 1         | 9  | 9+ | 9+ | 8  | 9  | 9+ | -         | 7  | 9  | 2  | -  | 9  | 4  | 1   |
| 2   | 9         | -  | 9+ | 8  | 5  | -  | 9  | 9+        | -  | 9+ | 9+ | 9  | -  | 9+ | 9+        | 9  | 9+ | 9+ | 9  | 9  | 9+ | 2         | 9  | 9+ | 9  | 2* | 9+ | 9  | -         | 5  | 9+ | 1  | -  | 9  | 5  | 2   |
| 3   | 9         | -  | 9+ | 8  | -  | -  | 9  | 9         | -  | 9+ | 9+ | 8  | 7  | 9+ | 9+        | 8  | 9+ | 9+ | 9+ | 9+ | 9+ | 1         | 9  | 9+ | 9  | 8  | 9+ | 8  | -         | 7  | 9  | -  | 4  | 9  | -  | 3   |
| 4   | 8         | -  | 9+ | 8  | -  | -  | 8  | 9         | -  | 9+ | 9+ | 6  | 8  | 9+ | 9         | 8  | 9+ | 9+ | 9+ | 9+ | 9+ | 2         | 9  | 9+ | 6  | 9+ | 9+ | 9  | -         | 8  | 9  | -  | 3  | 9+ | -  | 4   |
| 5   | 7         | -  | 9+ | 8  | -  | 5  | 9  | 9         | -  | 9+ | 9+ | -  | 9  | 9+ | 8         | 9  | 9+ | 4  | 9+ | 9+ | 9+ | -         | 9  | 9+ | 6  | 9+ | 9+ | 7  | -         | 6  | 9  | -  | 6  | 8  | -  | 5   |
| 6   | 6         | -  | 9+ | 8  | -  | 7  | 9  | 9         | -  | 9+ | 9  | -  | 9  | 9+ | 9+        | 9  | 9+ | 9+ | 9  | 9+ | 9+ | 2         | 9+ | 9  | 8  | 8  | 9+ | 2  | -         | 4  | 7  | 1  | 2  | 4  | -  | 6   |
| 7   | -         | -  | 9+ | 7  | -  | 7  | 9  | 8         | 1  | 9+ | 8  | -  | 9  | 9+ | 8         | 9+ | 9+ | 9  | 7  | 9+ | 9+ | -         | 8  | 9  | 1  | -  | 9+ | 1  | -         | -  | 4  | -  | -  | 6  | -  | 7   |
| 8   | -         | -  | 9+ | 1  | -  | 8  | 8  | 7         | 6  | 9+ | 8  | -  | 9  | 9+ | 4         | 9+ | 9+ | 8  | 3  | 9+ | 9+ | -         | 1  | 4  | -  | -  | 7  | 1  | -         | -  | -  | -  | -  | -  | -  | 8   |
| 9   | -         | -  | 9+ | -  | -  | 7  | 8  | -         | 7  | 9+ | 6  | -  | 9  | 9  | 9         | 8  | 9  | 9  | 5  | 9  | 6  | 2         | 1  | -  | 4  | 2  | -  | -  | -         | -  | -  | -  | -  | -  | -  | 9   |
| 10  | -         | -  | 9+ | -  | -  | 5  | 6  | -         | 7  | 9+ | 2  | -  | 9  | 9  | 9         | 8  | 9  | 9+ | 8  | 9  | 7  | 9         | 9  | -  | 9  | 9  | -  | -  | -         | 1  | -  | 4  | 1  | -  | -  | 10  |
| 11  | -         | -  | 9+ | -  | -  | -  | 2  | -         | 4  | 9+ | -  | -  | 8  | 8  | 7         | 8  | 9+ | 9  | 8  | 9+ | 9+ | 9+        | 9  | 2  | 9  | 9  | 9  | 1  | 8         | 8  | -  | 9  | 8  | -  | -  | 11  |
| 12  | -         | -  | 9  | -  | -  | -  | -  | -         | 1* | 9+ | -  | -  | 6  | 6  | 5         | 8* | 9+ | 6  | 6* | 9+ | 9+ | 9         | 9  | 9+ | 9  | 8  | 9+ | 8  | 7         | 9  | 6  | 9  | 9  | 4  | -  | 12  |
| 13  | -         | -  | 4  | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | -  | 1  | 3*        | 6  | 9+ | 5  | 4* | 9  | 9+ | 9         | 8  | 9+ | 9  | 7  | 9+ | 9  | 6         | 9  | 9+ | 9  | 9  | 7  | 2  | 13  |
| 14  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 8  | -  | -  | -  | -  | 1         | 2* | 9+ | 5  | 2* | 8  | 9  | 9         | 8  | 8  | 9  | 7  | 9  | 9+ | 3         | 9  | 9  | 9  | 9  | 8  | 5  | 14  |
| 15  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 6  | -  | -  | -  | -  | -         | 1* | 9+ | 4  | 1  | 3  | 7  | 9         | 8  | 9  | 9  | 7  | 9  | 9  | 4         | 9  | 8  | 9  | 9  | 9  | 6  | 15  |
| 16  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 6  | -  | -  | -  | -  | 2         | -  | 9+ | 6  | 2  | 5  | 5  | 9         | 8  | 9+ | 9  | 8  | 9  | 9  | 6         | 8  | 8  | 9  | 9  | 8  | 8  | 16  |
| 17  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 7  | -  | -  | -  | -  | 4         | 1  | 9+ | 8  | 5  | 3  | 4  | 9         | 9  | 9+ | 8  | 9  | 9  | 9  | 9         | 8  | 9  | 9  | 6  | 8  | 17 |     |
| 18  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 8  | -  | -  | -  | -  | 8         | 7  | 9+ | 9  | 8  | 4  | 6  | 9+        | 9  | 9+ | 9+ | 9  | 8  | 9  | 9         | 8  | 9+ | 9+ | 9  | 9  | 8  | 18  |
| 19  | -         | -  | 4  | -  | -  | -  | -  | -         | -  | 9+ | 2  | -  | -  | -  | 9         | 9  | 9+ | 9  | 9  | 8  | 8  | 9+        | 9  | 9+ | 9+ | 9+ | 8  | 9+ | 7         | 7  | 9+ | 9+ | 9  | 9  | 8  | 19  |
| 20  | -         | -  | 9  | -  | -  | -  | -  | 6         | -  | 9+ | 6  | -  | -  | 1  | 9+        | 9  | 9+ | 9+ | 9+ | 8  | 9  | 9         | 9  | 9+ | 9+ | 9+ | 8  | 9+ | -         | 3  | 9+ | 9  | 8  | 9  | 8  | 20  |
| 21  | -         | -  | 9+ | 4  | -  | -  | -  | 8         | 2  | 9+ | 8  | 7  | -  | 4  | 9+        | 9+ | 9+ | 9+ | 9+ | 8  | 9+ | 8         | 9  | 9+ | 9+ | 9+ | 8  | 9+ | -         | 1  | 9+ | 8  | 8  | 9  | 9  | 21  |
| 22  | -         | -  | 9+ | 6  | -  | -  | 2  | 8         | 6  | 9+ | 9  | 8  | 5  | 7  | 9+        | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 5         | 9  | 9+ | 9+ | 9+ | 8  | 9+ | -         | 2  | 9+ | 8  | 4  | 9  | 9+ | 22  |
| 23  | 8         | -  | 9+ | 8  | 5  | -  | 5  | 9         | 6  | 9+ | 9+ | 8  | 5  | 8  | 9+        | 9  | 9+ | 9+ | 9+ | 9  | 9+ | 2         | 9  | 9+ | 9+ | 9+ | 9+ | 9+ | -         | 5  | 9+ | 7  | 5  | 9  | 9  | 23  |
|     | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA |     |

**Apr., Paraguay (Asuncion), for SSN = Low, Sigs in S-Units. By N6BV, ARRL.**

| 80 Meters |    |    |    |    |    |    |    | 40 Meters |    |    |    |    |    |    |    | 20 Meters |    |    |    |    |    |    |    | 15 Meters |    |    |    |    |    |    |    | 10 Meters |    |    |    |     |  |  |  |  |
|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|-----|--|--|--|--|
| UTC       | EU | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU | FE        | SA | AF | AS | OC | NA | EU | FE | SA        | AF | AS | OC | NA | EU | FE | SA | AF        | AS | OC | NA | UTC |  |  |  |  |
| 0         | 9  | -  | 9+ | 9  | 6  | -  | 8  | 9+        | 5  | 9+ | 9+ | 9  | 3  | 9  | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 9+ | 2  | 9  | 9+        | 9+ | 8  | 9  | 9+ | -  | 1  | 9  | 3         | -  | 9  | 8  | 0   |  |  |  |  |
| 1         | 9  | -  | 9+ | 9  | 5  | -  | 8  | 9+        | -  | 9+ | 9+ | 9  | -  | 9+ | 9+ | 9         | 9+ | 9+ | 9+ | 9  | 9+ | 2  | 9  | 9+        | 9  | 5  | 9  | 9+ | -  | 4  | 9  | -         | -  | 9  | 7  | 1   |  |  |  |  |
| 2         | 8  | -  | 9+ | 9  | 5  | -  | 9  | 9+        | -  | 9+ | 9+ | 9  | -  | 9+ | 9+ | 9         | 9+ | 9+ | 9+ | 9  | 9+ | 2  | 9  | 9         | 8  | 5  | 9+ | 9+ | -  | 7  | 9  | -         | -  | 9  | 5  | 2   |  |  |  |  |
| 3         | 9  | -  | 9+ | 9  | -  | -  | 9  | 9+        | -  | 9+ | 9+ | 8  | 6  | 9+ | 9+ | 8         | 9+ | 9+ | 9+ | 9+ | 9+ | -  | 9  | 9+        | 5  | 9  | 9+ | 9  | -  | 7  | 9  | -         | 2  | 9  | 1  | 3   |  |  |  |  |
| 4         | 8  | -  | 9+ | 9  | -  | -  | 9  | 9         | -  | 9+ | 9+ | 6  | 8  | 9+ | 9  | 8         | 9+ | 9+ | 9+ | 9+ | 9+ | 1  | 9  | 9+        | 1  | 9  | 9+ | 9  | -  | 7  | 9  | -         | 2  | 8  | -  | 4   |  |  |  |  |
| 5         | 7  | -  | 9+ | 9  | -  | 5  | 9  | 9         | -  | 9+ | 9+ | -  | 9  | 9+ | 9  | 8         | 9+ | 9+ | 9  | 9+ | 9+ | -  | 9+ | 9         | 6  | 9  | 9+ | 8  | -  | 5  | 8  | -         | 1  | 8  | -  | 5   |  |  |  |  |
| 6         | -  | -  | 9+ | 9  | -  | 7  | 9  | 9         | -  | 9+ | 9  | -  | 9  | 9+ | 9+ | 9         | 9+ | 9+ | 9  | 9+ | 9+ | 5  | 9  | 8         | 7  | 6  | 9+ | 5  | -  | 2  | 5  | -         | -  | 7  | -  | 6   |  |  |  |  |
| 7         | -  | -  | 9+ | 8  | -  | 8  | 9  | 8         | -  | 9+ | 8  | -  | 9  | 9+ | 9  | 9+        | 9+ | 8  | 5  | 9+ | 9+ | -  | 8  | 9         | -  | -  | 9  | 4  | -  | -  | 2  | -         | -  | 4  | -  | 7   |  |  |  |  |
| 8         | -  | -  | 9+ | 2  | -  | 8  | 9  | 6         | 3  | 9+ | 8  | -  | 9  | 9+ | 4  | 9+        | 9  | 5  | 1  | 9+ | 9+ | -  | 3  | 4         | -  | -  | 7  | 2  | -  | -  | -  | -         | -  | -  | -  | 8   |  |  |  |  |
| 9         | -  | -  | 9+ | -  | -  | 7  | 8  | -         | 7  | 9+ | 6  | -  | 9  | 9  | 9  | 9         | 9  | 9  | 7  | 9  | 8  | 5  | -  | -         | 5  | 2  | -  | -  | -  | -  | -  | -         | -  | -  | -  | 9   |  |  |  |  |
| 10        | -  | -  | 9+ | -  | -  | 7  | 7  | -         | 7  | 9+ | 3  | -  | 9+ | 9  | 9  | 9         | 9  | 9+ | 8  | 9+ | 9+ | 9+ | 8  | -         | 9  | 8  | 1* | -  | 2  | -  | -  | 5         | 2  | -  | -  | 10  |  |  |  |  |
| 11        | -  | -  | 9+ | -  | -  | -  | 4  | -         | 4  | 9+ | -  | -  | 8  | 8  | 8  | 9+        | 9+ | 9  | 8  | 9+ | 9+ | 9  | 9  | 6         | 9  | 9  | 7  | 1  | 6  | 6  | -  | 9         | 9  | -  | -  | 11  |  |  |  |  |
| 12        | -  | -  | 9+ | -  | -  | -  | -  | -         | 2* | 9+ | -  | -  | 7  | 6  | 5  | 9*        | 9+ | 6  | 9  | 9+ | 9+ | 9  | 8  | 8         | 9  | 8  | 9+ | 8  | 9  | 9  | 5  | 9         | 9  | 5  | -  | 12  |  |  |  |  |
| 13        | -  | -  | 6  | -  | -  | -  | -  | -         | 1* | 9+ | -  | -  | -  | 1  | 4  | 8         | 9+ | 6  | 7* | 9  | 9+ | 9  | 8  | 9+        | 9  | 7  | 9+ | 8  | 9  | 9  | 9  | 9         | 9  | 9  | -  | 13  |  |  |  |  |
| 14        | -  | -  | 1  | -  | -  | -  | -  | -         | -  | 9  | -  | -  | -  | -  | 3* | 6         | 9+ | 5  | 5* | 5  | 9  | 9  | 9  | 9+        | 9  | 7  | 9  | 8  | 7  | 9  | 9  | 9         | 9  | 9  | -  | 14  |  |  |  |  |
| 15        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 8  | -  | -  | -  | -  | 2  | 1*        | 9+ | 6  | 2* | 6  | 8  | 9  | 9  | 9+        | 9  | 8  | 9  | 9  | 6  | 9  | 7  | 9         | 9  | 8  | 1  | 15  |  |  |  |  |
| 16        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 7  | -  | -  | -  | -  | 2  | 1*        | 9+ | 7  | 3  | 7  | 6  | 9  | 9  | 9+        | 9  | 9  | 9  | 9  | 7  | 8  | 7  | 9         | 9  | 6  | 3  | 16  |  |  |  |  |
| 17        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 8  | -  | -  | -  | -  | 5  | 4         | 9+ | 8  | 7  | 5  | 5  | 9  | 9  | 9+        | 8  | 9  | 9  | 9  | 9  | 9  | 8  | 9         | 9  | 4  | 7  | 17  |  |  |  |  |
| 18        | -  | -  | 1  | -  | -  | -  | -  | -         | -  | 9  | 1  | -  | -  | -  | 8  | 8         | 9+ | 9  | 8  | 8  | 6  | 9+ | 9  | 9+        | 9+ | 9  | 8  | 9  | 9+ | 8  | 9+ | 9+        | 9  | 9  | 8  | 18  |  |  |  |  |
| 19        | -  | -  | 7  | -  | -  | -  | -  | -         | -  | 9+ | 4  | -  | -  | -  | 9  | 9         | 9+ | 9  | 9  | 9  | 8  | 9+ | 9  | 9+        | 9+ | 9+ | 8  | 9  | 9  | 7  | 9+ | 9         | 4  | 9  | 8  | 19  |  |  |  |  |
| 20        | -  | -  | 9+ | 1  | -  | -  | -  | 6         | 1* | 9+ | 8  | 3  | -  | 1  | 9+ | 9+        | 9+ | 9+ | 9+ | 5  | 9  | 9+ | 9  | 9+        | 9+ | 9+ | 8  | 9+ | 5  | 2  | 9+ | 9         | 1  | 9  | 8  | 20  |  |  |  |  |
| 21        | -  | -  | 9+ | 5  | -  | -  | -  | 8         | 5  | 9+ | 9  | 7  | 6  | 4  | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 9+ | 9  | 8  | 9+        | 9+ | 9+ | 8  | 9+ | 4  | -  | 9+ | 7         | 1  | 9  | 9  | 21  |  |  |  |  |
| 22        | 7  | -  | 9+ | 7  | 2  | -  | 2  | 9         | 6  | 9+ | 9  | 8  | 6  | 7  | 9+ | 9+        | 9+ | 9+ | 9+ | 9+ | 9+ | 7  | 8  | 9+        | 9+ | 9+ | 8  | 9+ | -  | -  | 9  | 1         | 1  | 9  | 9  | 22  |  |  |  |  |
| 23        | 8  | -  | 9+ | 8  | 5  | -  | 5  | 9         | 6  | 9+ | 9+ | 9  | 6  | 8  | 9+ | 9         | 9+ | 9+ | 9+ | 9  | 9+ | 4  | 9  | 9+        | 9+ | 9+ | 9  | 9+ | -  | -  | 9+ | 5         | 3  | 9  | 8  | 23  |  |  |  |  |
|           | EU | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU | FE        | SA | AF | AS | OC | NA | EU | FE | SA        | AF | AS | OC | NA | EU | FE | SA | AF        | AS | OC | NA |     |  |  |  |  |

**May, Paraguay (Asuncion), for SSN = Low, Sigs in S-Units. By N6BV, ARRL.**

| 80 Meters |    |    |    |    |    |    |    | 40 Meters |    |    |    |    |    |    |    | 20 Meters |    |    |    |    |    |    |    | 15 Meters |    |    |    |    |    |    |    | 10 Meters |    |    |    |     |   |  |  |  |
|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|-----|---|--|--|--|
| UTC       | EU | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU | FE        | SA | AF | AS | OC | NA | EU | FE | SA        | AF | AS | OC | NA | EU | FE | SA | AF        | AS | OC | NA | UTC |   |  |  |  |
| 0         | 8  | -  | 9+ | 9  | 6  | -  | 7  | 9         | 5  | 9+ | 9+ | 9  | 8  | 9  | 9+ | 9+        | 9+ | 9+ | 9+ | 8  | 9+ | 6  | 8  | 9+        | 7  | 6  | 9  | 9  | -  | -  | 7  | -         | -  | 7  | 5  | 0   |   |  |  |  |
| 1         | 9  | -  | 9+ | 9  | 5  | -  | 9  | 9+        | -  | 9+ | 9+ | 9  | -  | 9+ | 9+ | 9         | 9+ | 9+ | 9+ | 9  | 9  | 9+ | 5  | 8         | 9+ | 6  | 2  | 9  | 9  | -  | -  | 6         | -  | -  | 6  | 3   | 1 |  |  |  |
| 2         | 9  | -  | 9+ | 9  | 1  | -  | 9  | 9+        | -  | 9+ | 9+ | 9  | -  | 9+ | 9+ | 8         | 9+ | 9+ | 9+ | 9  | 9  | 9+ | 1  | 8         | 9+ | 2  | 5  | 9  | 9  | -  | 2  | 5         | -  | -  | 5  | 4   | 2 |  |  |  |
| 3         | 9  | -  | 9+ | 9  | -  | -  | 9  | 9         | -  | 9+ | 9+ | 7  | 6  | 9+ | 9+ | 8         | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | -  | 8         | 9  | 6  | 6  | 9  | 9  | -  | 1  | 1         | -  | -  | 2  | 3   | 3 |  |  |  |
| 4         | 8  | -  | 9+ | 8  | -  | -  | 9  | 9         | -  | 9+ | 9+ | 3  | 8  | 9+ | 9+ | 8         | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 4  | 7         | 9  | 3  | 5  | 9  | 7  | -  | -  | 1         | -  | -  | 1  | -   | 4 |  |  |  |
| 5         | 3  | -  | 9+ | 9  | -  | 6  | 9  | 9         | -  | 9+ | 9  | -  | 9  | 9+ | 9+ | 8         | 9+ | 9+ | 9  | 9  | 9+ | 9+ | 4  | 6         | 8  | 2  | 3  | 8  | 5  | -  | -  | -         | -  | -  | -  | 5   |   |  |  |  |
| 6         | -  | -  | 9+ | 9  | -  | 7  | 9  | 8         | -  | 9+ | 9  | -  | 9  | 9+ | 9  | 8         | 9+ | 9  | 7  | 9  | 9+ | 9+ | -  | 5         | 6  | -  | -  | 5  | 5  | -  | -  | -         | -  | -  | -  | 6   |   |  |  |  |
| 7         | -  | -  | 9+ | 8  | -  | 8  | 9  | 8         | -  | 9+ | 8  | -  | 9  | 9+ | 5  | 9         | 9  | 2  | 1  | 9  | 9+ | 9+ | -  | 3         | 5  | -  | -  | 2  | 3  | -  | -  | -         | -  | -  | -  | 7   |   |  |  |  |
| 8         | -  | -  | 9+ | 4  | -  | 8  | 9  | 1         | 1  | 9+ | 8  | -  | 9+ | 9+ | 1  | 8         | 9  | 2  | -  | 9  | 9  | -  | -  | 1         | -  | -  | -  | -  | -  | -  | -  | -         | -  | -  | -  | 8   |   |  |  |  |
| 9         | -  | -  | 9+ | -  | -  | 8  | 8  | -         | 6  | 9+ | 7  | -  | 9+ | 9  | 9  | 9         | 8  | 9  | 4  | 6  | 7  | 2  | -  | -         | 2  | 1  | -  | -  | -  | -  | -  | -         | -  | -  | -  | 9   |   |  |  |  |
| 10        | -  | -  | 9+ | -  | -  | 7  | 7  | -         | 7  | 9+ | 3  | -  | 9  | 9  | 9  | 9         | 9  | 9+ | 8  | 7  | 9+ | 9  | 5  | -         | 9  | 8  | -  | -  | -  | -  | -  | -         | -  | -  | -  | 10  |   |  |  |  |
| 11        | -  | -  | 9+ | -  | -  | -  | 4  | -         | 6  | 9+ | -  | -  | 8  | 8  | 8  | 9         | 9+ | 9  | 8  | 9+ | 9+ | 9  | 9  | -         | 9  | 8  | -  | 2  | -  | 1  | -  | 8         | 6  | -  | -  | 11  |   |  |  |  |
| 12        | -  | -  | 9+ | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | 8  | 7  | 5  | 9+        | 9+ | 7  | 9  | 9+ | 9+ | 9  | 9  | 9+        | 9  | 8  | 7  | 8  | -  | 8  | -  | 9         | 9  | -  | -  | 12  |   |  |  |  |
| 13        | -  | -  | 8  | -  | -  | -  | -  | -         | 1* | 9+ | -  | -  | -  | 2  | 2  | 9         | 9+ | 5  | 5* | 9  | 9+ | 9  | 9  | 9+        | 9  | 7  | 9+ | 8  | 5  | 9  | 4  | 9         | 9  | 1  | -  | 13  |   |  |  |  |
| 14        | -  | -  | 4  | -  | -  | -  | -  | -         | -  | 9  | -  | -  | -  | -  | 3  | 8         | 9+ | 6  | 4* | 8  | 9  | 9  | 9  | 9+        | 9  | 7  | 8  | 8  | 7  | 9  | 4  | 9         | 9  | 2  | -  | 14  |   |  |  |  |
| 15        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 9  | -  | -  | -  | -  | 5  | 2*        | 9+ | 7  | 5* | 8  | 9  | 9  | 9  | 9+        | 9  | 8  | 6  | 9  | 8  | 6  | 1  | 9         | 9  | 1  | -  | 15  |   |  |  |  |
| 16        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 8  | -  | -  | -  | -  | 6  | 2*        | 9+ | 8  | 4  | 7  | 7  | 9  | 9  | 9+        | 9  | 9  | 5  | 9  | 6  | 5  | 1  | 9         | 9  | -  | -  | 16  |   |  |  |  |
| 17        | -  | -  | 1  | -  | -  | -  | -  | -         | -  | 9  | -  | -  | -  | -  | 8  | 8         | 9+ | 9  | 7  | 8  | 6  | 9  | 9  | 9+        | 9  | 9  | 9  | 9  | 8  | 3  | 1  | 9         | 9  | 1  | -  | 17  |   |  |  |  |
| 18        | -  | -  | 4  | -  | -  | -  | -  | -         | -  | 9+ | 2  | -  | -  | -  | 8  | 8         | 9+ | 9  | 9  | 8  | 6  | 9+ | 6  | 9+        | 9+ | 9+ | 9  | 9  | 9  | 1  | 6  | 9+        | 7  | 4  | 1  | 18  |   |  |  |  |
| 19        | -  | -  | 9  | -  | -  | -  | -  | -         | -  | 9+ | 6  | -  | -  | -  | 9  | 9         | 9+ | 9  | 9  | 5  | 8  | 9+ | 7  | 9+        | 9+ | 9+ | 9  | 9  | 9  | -  | 8  | 9         | 3  | 9  | 2  | 19  |   |  |  |  |
| 20        | -  | -  | 9+ | 2  | -  | -  | -  | 6         | 3  | 9+ | 8  | 6  | 6  | -  | 9+ | 9+        | 9+ | 9+ | 9+ | 4  | 9  | 9+ | 6  | 9+        | 9+ | 8  | 9  | 9  | 7  | -  | 8  | 9         | 1  | 9  | 7  | 20  |   |  |  |  |
| 21        | -  | -  | 9+ | 6  | -  | -  | -  | 8         | 5  | 9+ | 9  | 8  | 7  | 4  | 9+ | 9+        | 9+ | 9+ | 9+ | 7  | 9+ | 9+ | 9  | 9+        | 9+ | 6  | 8  | 9+ | 7  | -  | 8  | 2         | -  | 9  | 8  | 21  |   |  |  |  |
| 22        | 6  | 1  | 9+ | 8  | 5  | 2  | -  | 9         | 7  | 9+ | 9  | 9  | 8  | 6  | 9+ | 8         | 9+ | 9+ | 9+ | 9  | 9+ | 9  | 9  | 9         | 9+ | 6  | 9  | 9+ | 4  | -  | 8  | -         | -  | 8  | 8  | 22  |   |  |  |  |
| 23        | 8  | -  | 9+ | 8  | 6  | -  | 4  | 9         | 6  | 9+ | 9+ | 9  | 7  | 9  | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 9+ | 9  | 8  | 9+        | 8  | 7  | 9  | 9+ | 1  | -  | 9  | -         | -  | 8  | 7  | 23  |   |  |  |  |
|           | EU | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU | FE        | SA | AF | AS | OC | NA | EU | FE | SA        | AF | AS | OC | NA | EU | FE | SA | AF        | AS | OC | NA |     |   |  |  |  |

**Jun., Paraguay (Asuncion), for SSN = Low, Sigs in S-Units. By N6BV, ARRL.**

| 80 Meters |    |    |    |    |    |    |    | 40 Meters |    |    |    |    |    |    |    | 20 Meters |    |    |    |    |    |    |    | 15 Meters |    |    |    |    |    |    |    | 10 Meters |    |    |    |     |  |  |  |  |
|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|-----|--|--|--|--|
| UTC       | EU | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU | FE        | SA | AF | AS | OC | NA | EU | FE | SA        | AF | AS | OC | NA | EU | FE | SA | AF        | AS | OC | NA | UTC |  |  |  |  |
| 0         | 8  | -  | 9+ | 9  | 5  | -  | 6  | 9         | 4  | 9+ | 9+ | 9  | 8  | 9  | 9+ | 7         | 9+ | 9+ | 9+ | 8  | 9+ | 8  | 4  | 9         | 1  | -  | 9  | 9  | -  | -  | 3  | -         | -  | 5  | 1  | 0   |  |  |  |  |
| 1         | 9  | -  | 9+ | 9  | 5  | -  | 8  | 9+        | -  | 9+ | 9+ | 9  | 4  | 9+ | 9+ | 8         | 9+ | 9+ | 9+ | 9  | 9+ | 4  | 5  | 9         | 1  | -  | 9  | 9  | -  | 1  | 2  | -         | -  | 3  | 1  | 1   |  |  |  |  |
| 2         | 9  | -  | 9+ | 9  | -  | -  | 8  | 9+        | -  | 9+ | 9+ | 8  | -  | 9+ | 9+ | 8         | 9+ | 9+ | 9+ | 9  | 9+ | 7  | 5  | 9         | 7  | 6  | 8  | 9  | -  | -  | 1  | -         | -  | 2  | 1  | 2   |  |  |  |  |
| 3         | 8  | -  | 9+ | 9  | -  | -  | 9  | 9         | -  | 9+ | 9+ | 7  | 7  | 9+ | 9+ | 8         | 9+ | 9+ | 9  | 9+ | 9+ | 3  | 5  | 9         | 2  | 3  | 8  | 9  | -  | -  | -  | -         | -  | 1  | 1  | 3   |  |  |  |  |
| 4         | 7  | -  | 9+ | 9  | -  | -  | 9  | 9         | -  | 9+ | 9  | 2  | 8  | 9+ | 9  | 8         | 9+ | 9  | 9  | 9+ | 9+ | 1  | 4  | 8         | -  | 1  | 8  | 8  | -  | -  | -  | -         | -  | -  | 4  |     |  |  |  |  |
| 5         | -  | -  | 9+ | 9  | -  | 6  | 9  | 9         | -  | 9+ | 9  | -  | 9  | 9+ | 9  | 8         | 9+ | 8  | 8  | 9+ | 9+ | -  | 1  | 5         | -  | -  | 5  | 5  | -  | -  | -  | -         | -  | -  | 5  |     |  |  |  |  |
| 6         | -  | -  | 9+ | 9  | -  | 7  | 9  | 8         | -  | 9+ | 9  | -  | 9  | 9+ | 8  | 8         | 9+ | 6  | 2  | 9+ | 9+ | -  | 1  | 2         | -  | -  | 2  | 2  | -  | -  | -  | -         | -  | -  | 6  |     |  |  |  |  |
| 7         | -  | -  | 9+ | 8  | -  | 8  | 9  | 6         | -  | 9+ | 7  | -  | 9  | 9+ | 1  | 7         | 9  | -  | -  | 9  | 9  | -  | -  | 1         | -  | -  | 1  | 1  | -  | -  | -  | -         | -  | -  | 7  |     |  |  |  |  |
| 8         | -  | -  | 9+ | 1  | -  | 8  | 9  | -         | -  | 9+ | 6  | -  | 9+ | 9+ | -  | 7         | 9  | 1  | -  | 9  | 9  | -  | -  | -         | -  | -  | -  | -  | -  | -  | -  | -         | -  | -  | 8  |     |  |  |  |  |
| 9         | -  | -  | 9+ | -  | -  | 8  | 8  | -         | 4  | 9+ | 7  | -  | 9+ | 9+ | 7  | 6         | 6  | 7  | 2  | 5  | 6  | -  | -  | -         | 1  | 1  | -  | -  | -  | -  | -  | -         | -  | -  | 9  |     |  |  |  |  |
| 10        | -  | -  | 9+ | -  | -  | 7  | 6  | -         | 7  | 9+ | 3  | -  | 9  | 9  | 9  | 8         | 6  | 9+ | 5  | 2  | 9  | 6  | 1  | -         | 8  | 6  | -  | -  | -  | -  | -  | -         | -  | -  | 10 |     |  |  |  |  |
| 11        | -  | -  | 9+ | -  | -  | 7  | 4  | -         | 6  | 9+ | -  | -  | 9  | 9  | 7  | 9+        | 9  | 9  | 9  | 9  | 9  | 9  | 9  | -         | 9  | 8  | -  | 2  | -  | -  | -  | 3         | 5  | -  | -  | 11  |  |  |  |  |
| 12        | -  | -  | 9+ | -  | -  | -  | -  | -         | 1  | 9+ | -  | -  | 8  | 7  | 5  | 9+        | 9+ | 9  | 9  | 9+ | 9+ | 9  | 9  | 8         | 9  | 8  | 3  | 5  | 5  | 3  | -  | 9         | 9  | -  | -  | 12  |  |  |  |  |
| 13        | -  | -  | 9+ | -  | -  | -  | -  | -         | 1* | 9+ | -  | -  | 6  | 3  | 5  | 9         | 9+ | 9  | 5* | 9  | 9+ | 9  | 9  | 9+        | 9  | 8  | 8  | 7  | 7  | 5  | 2  | 9         | 9  | -  | -  | 13  |  |  |  |  |
| 14        | -  | -  | 7  | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | -  | -  | 4  | 7         | 9+ | 7  | 2* | 8  | 9  | 9  | 9  | 9+        | 9  | 8  | 5  | 7  | 7  | 2  | 2  | 9         | 9  | -  | -  | 14  |  |  |  |  |
| 15        | -  | -  | 2  | -  | -  | -  | -  | -         | -  | 9  | -  | -  | -  | -  | 6  | 3*        | 9+ | 8  | 4* | 9  | 9  | 9  | 9  | 9+        | 9  | 8  | 2  | 8  | 8  | 1  | 1  | 9         | 9  | -  | 1  | 15  |  |  |  |  |
| 16        | -  | -  | 1  | -  | -  | -  | -  | -         | -  | 9  | -  | -  | -  | -  | 6  | 5         | 9+ | 9  | 5  | 7  | 7  | 9  | 8  | 9+        | 9  | 9  | 6  | 8  | 5  | 1  | 1  | 9         | 9  | -  | 2  | 16  |  |  |  |  |
| 17        | -  | -  | 2  | -  | -  | -  | -  | -         | -  | 9  | -  | -  | -  | -  | 8  | 8         | 9+ | 9  | 8  | 8  | 6  | 9  | 7  | 9+        | 9  | 9  | 9  | 8  | 4  | -  | 1  | 9         | 9  | -  | 1  | 17  |  |  |  |  |
| 18        | -  | -  | 7  | -  | -  | -  | -  | -         | -  | 9+ | 4  | -  | -  | -  | 9  | 9         | 9+ | 9  | 9  | 6  | 6  | 9+ | 7  | 9+        | 9+ | 9+ | 9  | 8  | 8  | -  | 6  | 9+        | 8  | -  | 2  | 18  |  |  |  |  |
| 19        | -  | -  | 9+ | -  | -  | -  | -  | -         | 1* | 9+ | 8  | -  | -  | -  | 9  | 9         | 9+ | 9+ | 9  | 9  | 8  | 9+ | 5  | 9+        | 9+ | 9  | 9  | 9  | 9  | -  | 8  | 9         | 1  | 6  | 2  | 19  |  |  |  |  |
| 20        | -  | -  | 9+ | 5  | -  | -  | -  | 6         | 5  | 9+ | 9  | 7  | 7  | -  | 9+ | 9+        | 9+ | 9+ | 9+ | 5  | 9  | 9+ | 6  | 9+        | 9+ | 8  | 9  | 9  | 7  | -  | 7  | 8         | -  | 8  | 2  | 20  |  |  |  |  |
| 21        | -  | -  | 9+ | 7  | -  | 1  | -  | 8         | 6  | 9+ | 9  | 8  | 8  | 2  | 9+ | 9         | 9+ | 9+ | 9+ | 5  | 9+ | 9+ | 8  | 9+        | 9+ | 6  | 9  | 9+ | 5  | -  | 6  | 3         | -  | 7  | 4  | 21  |  |  |  |  |
| 22        | 6  | 2  | 9+ | 8  | 5  | 4  | -  | 9         | 8  | 9+ | 9  | 9  | 9  | 7  | 9+ | 6         | 9+ | 9+ | 9+ | 9+ | 9+ | 9  | 7  | 9+        | 8  | 3  | 9  | 9+ | 1  | -  | 6  | -         | -  | 7  | 5  | 22  |  |  |  |  |
| 23        | 8  | -  | 9+ | 9  | 6  | -  | 1  | 9         | 7  | 9+ | 9+ | 9  | 8  | 8  | 9+ | 7         | 9+ | 9+ | 9+ | 8  | 9+ | 9  | 6  | 9+        | 2  | 1  | 9  | 9  | 1  | -  | 5  | -         | -  | 7  | 3  | 23  |  |  |  |  |
|           | EU | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU | FE        | SA | AF | AS | OC | NA | EU | FE | SA        | AF | AS | OC | NA | EU | FE | SA | AF        | AS | OC | NA |     |  |  |  |  |

Jul., Paraguay (Asuncion), for SSN = Low, Sigs in S-Units. By N6BV, ARRL.

| 80 Meters |    |    |    |    |    |    |    | 40 Meters |    |    |    |    |    |    |    | 20 Meters |    |    |      |      |    |    |    | 15 Meters |    |    |    |    |    |    |    | 10 Meters |    |    |    |     |  |  |  |  |
|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|------|------|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|-----|--|--|--|--|
| UTC       | EU | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU | FE        | SA | AF | AS   | OC   | NA | EU | FE | SA        | AF | AS | OC | NA | EU | FE | SA | AF        | AS | OC | NA | UTC |  |  |  |  |
| 0         | 9  | -  | 9+ | 9  | 6  | -  | 7  | 9         | 6  | 9+ | 9+ | 9  | 8  | 9  | 9+ | 8         | 9+ | 9+ | 9+   | 8    | 9+ | 6  | 5  | 9         | 4  | -  | 9  | 9  | -  | -  | 1  | -         | -  | 5  | 1  | 0   |  |  |  |  |
| 1         | 9  | -  | 9+ | 9  | 5  | -  | 8  | 9+        | -  | 9+ | 9+ | 9  | -  | 9+ | 9+ | 8         | 9+ | 9+ | 9    | 9    | 9+ | 6  | 5  | 9         | 4  | 3  | 9  | 8  | -  | -  | -  | -         | -  | 4  | -  | 1   |  |  |  |  |
| 2         | 9  | -  | 9+ | 9  | 1  | -  | 9  | 9+        | -  | 9+ | 9+ | 8  | -  | 9+ | 9+ | 8         | 9+ | 9+ | 9+   | 9    | 9+ | 5  | 4  | 8         | 3  | 5  | 9  | 8  | -  | -  | -  | -         | -  | 2  | -  | 2   |  |  |  |  |
| 3         | 8  | -  | 9+ | 9  | -  | -  | 9  | 9+        | -  | 9+ | 9  | 8  | 7  | 9+ | 9+ | 8         | 9+ | 9  | 9    | 9+   | 9+ | 1  | 3  | 6         | -  | 1  | 8  | 6  | -  | -  | -  | -         | -  | 1  | -  | 3   |  |  |  |  |
| 4         | 8  | -  | 9+ | 9  | -  | -  | 9  | 9         | -  | 9+ | 9  | 3  | 8  | 9+ | 9  | 8         | 9+ | 9  | 9+   | 9+   | 9+ | -  | 2  | 6         | -  | 1  | 8  | 5  | -  | -  | -  | -         | -  | -  | -  | 4   |  |  |  |  |
| 5         | 3  | -  | 9+ | 9  | -  | 6  | 9  | 9         | -  | 9+ | 9  | -  | 9  | 9+ | 8  | 8         | 9  | 9+ | 9    | 9+   | 9+ | -  | 1  | 3         | -  | 1  | 7  | 2  | -  | -  | -  | -         | -  | -  | -  | 5   |  |  |  |  |
| 6         | -  | -  | 9+ | 9  | -  | 7  | 9  | 9         | -  | 9+ | 9  | -  | 9  | 9+ | 8  | 7         | 9+ | 6  | 5    | 9+   | 9  | -  | 1  | 1         | -  | -  | 4  | 1  | -  | -  | -  | -         | -  | -  | -  | 6   |  |  |  |  |
| 7         | -  | -  | 9+ | 8  | -  | 8  | 9  | 8         | -  | 9+ | 7  | -  | 9+ | 9+ | 2  | 8         | 9  | 1  | -    | 9+   | 9  | -  | -  | 1         | -  | -  | 2  | -  | -  | -  | -  | -         | -  | -  | -  | 7   |  |  |  |  |
| 8         | -  | -  | 9+ | 3  | -  | 8  | 9  | -         | 2  | 9+ | 7  | -  | 9+ | 9+ | -  | 8         | 9  | 1  | -    | 9    | 8  | -  | -  | -         | -  | -  | -  | -  | -  | -  | -  | -         | -  | -  | -  | 8   |  |  |  |  |
| 9         | -  | -  | 9+ | -  | -  | 8  | 9  | -         | 6  | 9+ | 6  | -  | 9+ | 9  | 6  | 4         | 7  | 7  | 2    | 3    | 7  | -  | -  | -         | 1  | 1  | -  | -  | -  | -  | -  | -         | -  | -  | -  | 9   |  |  |  |  |
| 10        | -  | -  | 9+ | -  | -  | 7  | 7  | -         | 7  | 9+ | 2  | -  | 9  | 9  | 9  | 8         | 6  | 9+ | 8    | 1* 9 | 3  | -  | -  | 7         | 5  | -  | -  | -  | -  | -  | -  | -         | -  | -  | -  | 10  |  |  |  |  |
| 11        | -  | -  | 9+ | -  | -  | 3  | 4  | -         | 6  | 9+ | -  | -  | 9  | 8  | 8  | 9         | 9  | 9  | 9    | 6    | 9  | 7  | 8  | -         | 9  | 8  | -  | 1  | -  | -  | -  | 2         | 4  | -  | -  | 11  |  |  |  |  |
| 12        | -  | -  | 9+ | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | 8  | 6  | 5  | 9+        | 9+ | 9  | 9    | 9+   | 9  | 9  | 9  | 6         | 9  | 8  | 3  | 2  | 3  | 1  | -  | 6         | 8  | -  | -  | 12  |  |  |  |  |
| 13        | -  | -  | 9  | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | -  | 2  | 5  | 9         | 9+ | 6  | 5* 9 | 9+   | 9  | 9  | 9  | 9+        | 9  | 8  | 6  | 4  | 5  | 2  | -  | 9         | 9  | -  | -  | 13  |  |  |  |  |
| 14        | -  | -  | 3  | -  | -  | -  | -  | -         | -  | 9  | -  | -  | -  | -  | 4  | 8         | 9+ | 6  | 3* 8 | 9    | 9  | 9  | 9  | 9+        | 9  | 8  | 5  | 2  | 6  | 2  | -  | 9         | 9  | -  | -  | 14  |  |  |  |  |
| 15        | -  | -  | 1  | -  | -  | -  | -  | -         | -  | 9  | -  | -  | -  | -  | 6  | 2         | 9+ | 8  | 2    | 8    | 8  | 9  | 9  | 9         | 9  | 8  | 3  | 4  | 6  | 1  | -  | 9         | 9  | -  | -  | 15  |  |  |  |  |
| 16        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 9  | -  | -  | -  | -  | 7  | 4         | 9+ | 8  | 5    | 7    | 7  | 9  | 7  | 9         | 9  | 9  | 5  | 7  | 6  | -  | -  | 9         | 9  | -  | -  | 16  |  |  |  |  |
| 17        | -  | -  | 1  | -  | -  | -  | -  | -         | -  | 9  | -  | -  | -  | -  | 8  | 8         | 9+ | 9  | 8    | 8    | 6  | 9+ | 7  | 9         | 9  | 9  | 9  | 6  | 7  | -  | 1  | 9         | 9  | -  | -  | 17  |  |  |  |  |
| 18        | -  | -  | 5  | -  | -  | -  | -  | -         | -  | 9+ | 3  | -  | -  | -  | 9  | 9         | 9+ | 9  | 9    | 6    | 8  | 9+ | 6  | 9+        | 9+ | 9  | 9  | 8  | 8  | -  | 3  | 9         | 6  | -  | 1  | 18  |  |  |  |  |
| 19        | -  | -  | 9  | -  | -  | -  | -  | -         | -  | 9+ | 7  | -  | -  | -  | 9  | 9         | 9+ | 9+ | 9    | 3    | 8  | 9+ | 5  | 9+        | 9+ | 8  | 9  | 8  | 8  | -  | 6  | 8         | -  | 1  | 2  | 19  |  |  |  |  |
| 20        | -  | -  | 9+ | 3  | -  | -  | -  | 6         | 3  | 9+ | 8  | 6  | 7  | -  | 9+ | 9+        | 9+ | 9+ | 9+   | 4* 9 | 9+ | 4  | 9+ | 9+        | 6  | 9  | 9  | 2  | -  | 6  | 8  | -         | 4  | 3  | 20 |     |  |  |  |  |
| 21        | -  | -  | 9+ | 6  | -  | -  | -  | 8         | 5  | 9+ | 9  | 8  | 7  | 3  | 9+ | 9+        | 9+ | 9+ | 9+   | 4    | 9+ | 9+ | 5  | 9+        | 9  | 3  | 9  | 9  | 1  | -  | 5  | -         | -  | 2  | 5  | 21  |  |  |  |  |
| 22        | 6  | 1  | 9+ | 8  | 5  | 4  | -  | 9         | 7  | 9+ | 9  | 9  | 7  | 7  | 9+ | 9         | 9+ | 9+ | 9+   | 9    | 9+ | 9  | 5  | 9+        | 5  | 2  | 9  | 9+ | -  | -  | 6  | -         | -  | 5  | 4  | 22  |  |  |  |  |
| 23        | 8  | -  | 9+ | 8  | 6  | -  | 4  | 9         | 7  | 9+ | 9+ | 9  | 6  | 8  | 9+ | 8         | 9+ | 9+ | 9+   | 9    | 9+ | 8  | 5  | 9+        | 2  | 1  | 9  | 9  | -  | -  | 4  | -         | -  | 6  | 2  | 23  |  |  |  |  |
|           | EU | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU | FE        | SA | AF | AS   | OC   | NA | EU | FE | SA        | AF | AS | OC | NA | EU | FE | SA | AF        | AS | OC | NA |     |  |  |  |  |



**Aug., Paraguay (Asuncion), for SSN = Low, Sigs in S-Units. By N6BV, ARRL.**

| 80 Meters |    |    |    |    |    |    |    | 40 Meters |    |    |    |    |    |    |    | 20 Meters |    |    |    |    |    |    |    | 15 Meters |    |    |    |    |    |    |    | 10 Meters |    |    |    |     |  |  |  |  |
|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|-----|--|--|--|--|
| UTC       | EU | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU | FE        | SA | AF | AS | OC | NA | EU | FE | SA        | AF | AS | OC | NA | EU | FE | SA | AF        | AS | OC | NA | UTC |  |  |  |  |
| 0         | 9  | -  | 9+ | 9  | 6  | -  | 7  | 9+        | 6  | 9+ | 9+ | 9  | 3  | 9  | 9+ | 9         | 9+ | 9+ | 9+ | 8  | 9+ | 1  | 5  | 9+        | 1  | -  | 9  | 9  | -  | -  | 4  | -         | -  | 6  | 2  | 0   |  |  |  |  |
| 1         | 9  | -  | 9+ | 9  | 5  | -  | 8  | 9+        | -  | 9+ | 9+ | 9  | -  | 9+ | 9+ | 8         | 9+ | 9+ | 9  | 9  | 9+ | -  | 4  | 9         | 1  | -  | 9+ | 9  | -  | -  | 1  | -         | -  | 5  | 1  | 1   |  |  |  |  |
| 2         | 9  | -  | 9+ | 9  | 1  | -  | 9  | 9+        | -  | 9+ | 9+ | 9  | -  | 9+ | 9+ | 8         | 9+ | 9+ | 9+ | 9  | 9+ | -  | 6  | 9         | -  | 2  | 9  | 9  | -  | -  | 1  | -         | -  | 3  | -  | 2   |  |  |  |  |
| 3         | 9  | -  | 9+ | 9  | -  | -  | 9  | 9+        | -  | 9+ | 9+ | 8  | 6  | 9+ | 9+ | 8         | 9+ | 9+ | 9  | 9+ | 9+ | -  | 6  | 9         | -  | 6  | 9  | 8  | -  | -  | -  | -         | -  | 3  | -  | 3   |  |  |  |  |
| 4         | 8  | -  | 9+ | 9  | -  | -  | 9  | 9+        | -  | 9+ | 9+ | 3  | 8  | 9+ | 9  | 8         | 9+ | 9+ | 9+ | 9+ | 9+ | -  | 6  | 9         | 3  | 5  | 9  | 1  | -  | 1  | 1  | -         | -  | 4  | -  | 4   |  |  |  |  |
| 5         | 7  | -  | 9+ | 9  | -  | 6  | 9  | 9         | -  | 9+ | 9  | -  | 9  | 9+ | 9  | 8         | 9+ | 9+ | 9  | 9+ | 9+ | 1  | 5  | 8         | 1  | 4  | 9  | -  | -  | -  | -  | -         | 1  | -  | 5  |     |  |  |  |  |
| 6         | -  | -  | 9+ | 9  | -  | 7  | 9  | 9         | -  | 9+ | 9  | -  | 9  | 9+ | 9  | 9         | 9+ | 8  | 6  | 9+ | 9+ | -  | 2  | 5         | -  | -  | 8  | -  | -  | -  | -  | -         | -  | -  | 6  |     |  |  |  |  |
| 7         | -  | -  | 9+ | 8  | -  | 8  | 9  | 8         | -  | 9+ | 8  | -  | 9  | 9+ | 4  | 9+        | 9  | 2  | 1  | 9+ | 9+ | -  | 2  | 4         | -  | -  | 6  | 3  | -  | -  | -  | -         | -  | -  | 7  |     |  |  |  |  |
| 8         | -  | -  | 9+ | 3  | -  | 8  | 9  | 1         | 3  | 9+ | 7  | -  | 9+ | 9+ | 1  | 9         | 9  | 2  | -  | 9  | 9  | -  | -  | 1         | -  | -  | 1  | -  | -  | -  | -  | -         | -  | -  | 8  |     |  |  |  |  |
| 9         | -  | -  | 9+ | -  | -  | 8  | 9  | -         | 6  | 9+ | 6  | -  | 9  | 9  | 8  | 9         | 8  | 9  | 3  | 6  | 7  | 1  | -  | -         | 2  | 2  | -  | -  | -  | -  | -  | -         | -  | -  | 9  |     |  |  |  |  |
| 10        | -  | -  | 9+ | -  | -  | 7  | 8  | -         | 7  | 9+ | 2  | -  | 9  | 9  | 9  | 8         | 8  | 9+ | 7  | 4  | 9  | 6  | 1  | -         | 9  | 8  | -  | -  | -  | -  | -  | -         | -  | -  | 10 |     |  |  |  |  |
| 11        | -  | -  | 9+ | -  | -  | -  | 3  | -         | 4  | 9+ | -  | -  | 9  | 8  | 8  | 9         | 9+ | 9  | 9  | 9+ | 9  | 8  | 9  | -         | 9  | 8  | -  | -  | -  | -  | 4  | 6         | -  | -  | 11 |     |  |  |  |  |
| 12        | -  | -  | 9+ | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | 7  | 6  | 7  | 9         | 9+ | 7  | 9  | 9+ | 9  | 9  | 9  | 9         | 9  | 8  | 5  | 4  | 4  | 3  | -  | 8         | 8  | -  | -  | 12  |  |  |  |  |
| 13        | -  | -  | 7  | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | -  | 1  | 5  | 9         | 9+ | 5  | 5* | 8  | 9  | 9  | 9  | 9+        | 9  | 8  | 9  | 7  | 5  | 5  | 2  | 9         | 8  | -  | -  | 13  |  |  |  |  |
| 14        | -  | -  | 1  | -  | -  | -  | -  | -         | -  | 9  | -  | -  | -  | -  | 5  | 5         | 9+ | 6  | 4* | 8  | 9  | 9  | 9  | 9+        | 9  | 7  | 9  | 5  | 6  | 6  | 2  | 9         | 9  | -  | -  | 14  |  |  |  |  |
| 15        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 8  | -  | -  | -  | -  | 5  | 1         | 9+ | 7  | 2  | 7  | 8  | 9  | 8  | 9         | 9  | 8  | 6  | 7  | 7  | 4  | 1  | 9         | 9  | -  | -  | 15  |  |  |  |  |
| 16        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 8  | -  | -  | -  | -  | 6  | 1         | 9+ | 8  | 3  | 6  | 8  | 9  | 9  | 9+        | 9  | 8  | 5  | 8  | 7  | 4  | 3  | 9         | 9  | -  | 1  | 16  |  |  |  |  |
| 17        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 9  | -  | -  | -  | -  | 8  | 7         | 9+ | 9  | 7  | 6  | 6  | 9+ | 9  | 9+        | 9  | 9  | 9  | 8  | 8  | 3  | 5  | 9         | 9  | -  | 2  | 17  |  |  |  |  |
| 18        | -  | -  | 4  | -  | -  | -  | -  | -         | -  | 9  | 1  | -  | -  | -  | 9  | 8         | 9+ | 9  | 9  | 5  | 7  | 9+ | 8  | 9+        | 9+ | 9  | 9  | 8  | 8  | 1  | 8  | 9+        | 8  | -  | 4  | 18  |  |  |  |  |
| 19        | -  | -  | 8  | -  | -  | -  | -  | -         | -  | 9+ | 6  | -  | -  | -  | 9  | 9         | 9+ | 9+ | 9  | 5  | 8  | 9+ | 7  | 9+        | 9+ | 8  | 9  | 9  | 8  | -  | 8  | 8         | -  | 4  | 4  | 19  |  |  |  |  |
| 20        | -  | -  | 9+ | 1  | -  | -  | -  | 6         | 2  | 9+ | 8  | 6  | 4  | 1  | 9+ | 9+        | 9+ | 9+ | 9+ | 4  | 9  | 9+ | 6  | 9+        | 9+ | 4  | 9  | 9  | 5  | -  | 7  | 8         | -  | 6  | 4  | 20  |  |  |  |  |
| 21        | -  | -  | 9+ | 6  | -  | -  | -  | 8         | 5  | 9+ | 9  | 7  | 6  | 5  | 9+ | 9+        | 9+ | 9+ | 9+ | 7  | 9+ | 9  | 6  | 9+        | 9+ | 1  | 9  | 9  | 1  | -  | 7  | 2         | -  | 7  | 5  | 21  |  |  |  |  |
| 22        | 7  | -  | 9+ | 7  | 5  | -  | 2  | 9         | 6  | 9+ | 9  | 9  | 7  | 7  | 9+ | 9         | 9+ | 9+ | 9+ | 9  | 9+ | 8  | 7  | 9+        | 9  | 1  | 9  | 9+ | -  | -  | 6  | -         | -  | 7  | 6  | 22  |  |  |  |  |
| 23        | 8  | -  | 9+ | 8  | 6  | -  | 6  | 9         | 7  | 9+ | 9+ | 9  | 6  | 8  | 9+ | 8         | 9+ | 9+ | 9+ | 9  | 9+ | 4  | 7  | 9+        | 2  | -  | 9  | 9  | -  | -  | 7  | -         | -  | 8  | 5  | 23  |  |  |  |  |
|           | EU | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU | FE        | SA | AF | AS | OC | NA | EU | FE | SA        | AF | AS | OC | NA | EU | FE | SA | AF        | AS | OC | NA |     |  |  |  |  |

**Sep., Paraguay (Asuncion), for SSN = Low, Sigs in S-Units. By N6BV, ARRL.**

| 80 Meters |    |    |    |    |    |    |    | 40 Meters |    |    |    |    |    |    |    | 20 Meters |    |    |    |    |    |    |    | 15 Meters |    |    |    |    |    |    |    | 10 Meters |    |    |    |     |  |  |  |  |
|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|-----|--|--|--|--|
| UTC       | EU | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU | FE        | SA | AF | AS | OC | NA | EU | FE | SA        | AF | AS | OC | NA | EU | FE | SA | AF        | AS | OC | NA | UTC |  |  |  |  |
| 0         | 9  | -  | 9+ | 9  | 6  | -  | 8  | 9+        | 6  | 9+ | 9+ | 9  | -  | 9  | 9  | 9+        | 9+ | 9+ | 9+ | 9  | 9+ | -  | 9  | 9+        | 7  | 6  | 9  | 9+ | -  | -  | 8  | -         | -  | 9  | 6  | 0   |  |  |  |  |
| 1         | 9  | -  | 9+ | 9  | 5  | -  | 9  | 9+        | -  | 9+ | 9+ | 9  | -  | 9+ | 9  | 9         | 9+ | 9+ | 9+ | 9  | 9+ | -  | 9  | 9+        | 5  | 1* | 9+ | 9  | -  | -  | 7  | -         | -  | 7  | 5  | 1   |  |  |  |  |
| 2         | 9  | -  | 9+ | 9  | 5  | -  | 9  | 9+        | -  | 9+ | 9+ | 9  | -  | 9+ | 9  | 8         | 9+ | 9+ | 9+ | 9+ | 9+ | -  | 9  | 9+        | 1  | 7  | 9+ | 9  | -  | 2  | 8  | -         | -  | 8  | 1  | 2   |  |  |  |  |
| 3         | 9  | -  | 9+ | 9  | -  | -  | 9  | 9+        | -  | 9+ | 9+ | 8  | 7  | 9+ | 9  | 8         | 9+ | 9  | 9+ | 9+ | 9+ | -  | 9  | 9         | -  | 7  | 9+ | 9  | -  | 2  | 5  | -         | -  | 8  | -  | 3   |  |  |  |  |
| 4         | 8  | -  | 9+ | 9  | -  | -  | 8  | 9         | -  | 9+ | 9+ | 6  | 8  | 9+ | 9  | 8         | 9+ | 9+ | 9+ | 9+ | 9+ | -  | 9  | 9         | 2* | 7  | 9+ | 7  | -  | 2  | 7  | -         | 1  | 8  | -  | 4   |  |  |  |  |
| 5         | 7  | -  | 9+ | 9  | -  | 5  | 9  | 9         | -  | 9+ | 9  | -  | 9  | 9+ | 9  | 9         | 9+ | 9+ | 9  | 9+ | 9+ | -  | 9  | 9+        | 4  | 8  | 9+ | 5  | -  | 2  | 5  | -         | -  | 7  | -  | 5   |  |  |  |  |
| 6         | -  | -  | 9+ | 9  | -  | 6  | 9  | 9         | -  | 9+ | 9  | -  | 9  | 9+ | 9+ | 9         | 9+ | 9+ | 9  | 9+ | 9+ | 1  | 6  | 9         | 3  | 4  | 9  | -  | -  | 1  | 2  | -         | -  | 3  | -  | 6   |  |  |  |  |
| 7         | -  | -  | 9+ | 8  | -  | 8  | 9  | 8         | 1  | 9+ | 9  | -  | 9  | 9+ | 7  | 9+        | 9+ | 6  | 2  | 9+ | 9  | -  | 6  | 8         | -  | -  | 8  | -  | -  | -  | 1  | -         | -  | -  | -  | 7   |  |  |  |  |
| 8         | -  | -  | 9+ | 4  | -  | 8  | 9  | 7         | 6  | 9+ | 8  | -  | 9  | 9  | 4  | 9+        | 9  | 7  | 2  | 9+ | 9+ | -  | 1  | 5         | -  | -  | -  | 3  | -  | -  | -  | -         | -  | -  | -  | 8   |  |  |  |  |
| 9         | -  | -  | 9+ | -  | -  | 7  | 8  | -         | 7  | 9+ | 6  | -  | 9  | 9  | 9  | 8         | 9  | 9  | 8  | 8  | 8  | 6  | 2  | -         | 5  | 3  | -  | -  | -  | -  | -  | -         | -  | -  | -  | 9   |  |  |  |  |
| 10        | -  | -  | 9+ | -  | -  | 6  | 6  | -         | 7  | 9+ | 2  | -  | 9  | 9  | 9  | 9+        | 9+ | 9+ | 9+ | 8  | 9+ | 9+ | 8  | 3         | 9  | 9  | 1* | -  | 2  | 1  | -  | 6         | 5  | -  | -  | 10  |  |  |  |  |
| 11        | -  | -  | 9+ | -  | -  | -  | 1  | -         | 4  | 9+ | -  | -  | 8  | 8  | 7  | 9+        | 9+ | 9  | 8  | 9+ | 9+ | 9  | 9  | 8         | 9  | 8  | 6  | 3  | 3  | 5  | -  | 9         | 8  | -  | -  | 11  |  |  |  |  |
| 12        | -  | -  | 9+ | -  | -  | -  | -  | -         | 1* | 9+ | -  | -  | 6  | 5  | 4  | 9         | 9+ | 7  | 6* | 9+ | 9+ | 9  | 9  | 9         | 9  | 8  | 9+ | 8  | 5  | 9  | 3  | 9         | 9  | 1  | -  | 12  |  |  |  |  |
| 13        | -  | -  | 5  | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | -  | 1  | 3* | 7         | 9+ | 5  | 5* | 8  | 9  | 9  | 9  | 9         | 9  | 8  | 9  | 9  | 8  | 9  | 8  | 9         | 9  | 4  | -  | 13  |  |  |  |  |
| 14        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 8  | -  | -  | -  | -  | 2* | 2*        | 9+ | 5  | 3* | 1  | 9  | 9  | 9  | 9         | 9  | 7  | 9  | 9  | 8  | 9  | 5  | 9         | 9  | 3  | -  | 14  |  |  |  |  |
| 15        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 7  | -  | -  | -  | -  | 1  | 1*        | 9+ | 6  | 1  | 1  | 8  | 9  | 9  | 9+        | 9  | 8  | 9  | 9  | 9  | 9  | 4  | 9         | 9  | 5  | -  | 15  |  |  |  |  |
| 16        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 6  | -  | -  | -  | -  | 3  | 1         | 9+ | 7  | 3  | 4  | 5  | 9  | 8  | 9+        | 9  | 8  | 8  | 9  | 9  | 9  | 5  | 9         | 9  | 3  | 2  | 16  |  |  |  |  |
| 17        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 8  | -  | -  | -  | -  | 6  | 1         | 9+ | 9  | 6  | 5  | 5  | 9  | 9  | 9+        | 9  | 9  | 9  | 9  | 9  | 7  | 6  | 9         | 9  | 2  | 5  | 17  |  |  |  |  |
| 18        | -  | -  | 1  | -  | -  | -  | -  | -         | -  | 9  | 1  | -  | -  | -  | 8  | 8         | 9+ | 8  | 8  | 7  | 7  | 9+ | 9  | 9+        | 9+ | 9+ | 8  | 9  | 9  | 3  | 9  | 9+        | 8  | 6  | 7  | 18  |  |  |  |  |
| 19        | -  | -  | 7  | -  | -  | -  | -  | -         | -  | 9+ | 5  | -  | -  | -  | 9  | 9         | 9+ | 9  | 9  | 5  | 9  | 9+ | 6  | 9+        | 9+ | 9+ | 8  | 9  | 8  | 1  | 9  | 9         | 1  | 9  | 8  | 19  |  |  |  |  |
| 20        | -  | -  | 9+ | 1  | -  | -  | -  | 6         | 1* | 9+ | 8  | 3  | -  | 2  | 9+ | 9+        | 9+ | 9+ | 9+ | 6  | 9  | 9+ | 4  | 9+        | 9+ | 9  | 8  | 9+ | 2  | -  | 9  | 9         | -  | 9  | 9  | 20  |  |  |  |  |
| 21        | -  | -  | 9+ | 5  | -  | -  | -  | 8         | 5  | 9+ | 9  | 7  | 5  | 5  | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 9+ | 9  | 4  | 9+        | 9+ | 9  | 8  | 9+ | 1  | -  | 8  | 7         | -  | 9  | 8  | 21  |  |  |  |  |
| 22        | 7  | -  | 9+ | 7  | 2  | -  | 2  | 9         | 6  | 9+ | 9  | 8  | 5  | 7  | 9+ | 9         | 9+ | 9+ | 9+ | 9+ | 9+ | 7  | 9  | 9+        | 9+ | 8  | 8  | 9+ | -  | -  | 9  | -         | -  | 9  | 8  | 22  |  |  |  |  |
| 23        | 8  | -  | 9+ | 8  | 5  | -  | 6  | 9         | 7  | 9+ | 9+ | 9  | 6  | 9  | 9+ | 8         | 9+ | 9+ | 9+ | 9  | 9+ | 2  | 9  | 9+        | 9  | 8  | 9  | 9+ | -  | -  | 9  | -         | -  | 9  | 6  | 23  |  |  |  |  |
|           | EU | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU | FE        | SA | AF | AS | OC | NA | EU | FE | SA        | AF | AS | OC | NA | EU | FE | SA | AF        | AS | OC | NA |     |  |  |  |  |

Oct., Paraguay (Asuncion), for SSN = Low, Sigs in S-Units. By N6BV, ARRL.

| 80 Meters |    |    |    |    |    |    |    | 40 Meters |    |    |    |    |    |    |    | 20 Meters |    |    |    |    |    |    |    | 15 Meters |    |    |    |    |    |    |    | 10 Meters |    |    |    |     |    |  |  |  |
|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|-----|----|--|--|--|
| UTC       | EU | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU | FE        | SA | AF | AS | OC | NA | EU | FE | SA        | AF | AS | OC | NA | EU | FE | SA | AF        | AS | OC | NA | UTC |    |  |  |  |
| 0         | 9  | -  | 9+ | 9  | 6  | -  | 8  | 9+        | 5  | 9+ | 9+ | 9  | -  | 9  | 9  | 9+        | 9+ | 9+ | 9+ | 9  | 9  | 9+ | -  | 9+        | 9+ | 9+ | 9  | 9  | 9+ | -  | 8  | 9+        | 4  | 1  | 9  | 8   | 0  |  |  |  |
| 1         | 9  | -  | 9+ | 9  | 6  | -  | 9  | 9+        | -  | 9+ | 9+ | 9  | -  | 9+ | 9  | 9+        | 9+ | 9+ | 9+ | 9  | 9  | 9+ | -  | 9+        | 9+ | 9  | 2  | 9+ | 9+ | -  | 7  | 9         | 3  | -  | 9  | 5   | 1  |  |  |  |
| 2         | 9  | -  | 9+ | 9  | 5  | -  | 9  | 9+        | -  | 9+ | 9+ | 9  | 4  | 9+ | 9+ | 9         | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 1  | 9         | 9+ | 9  | 2  | 9+ | 7  | -  | 8  | 9         | -  | -  | 9  | 1   | 2  |  |  |  |
| 3         | 9  | -  | 9+ | 9  | -  | -  | 9  | 9         | -  | 9+ | 9+ | 8  | 7  | 9+ | 9+ | 9         | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 1  | 9         | 9+ | 9  | 9+ | 9+ | 8  | -  | 8  | 9         | -  | 6  | 9  | -   | 3  |  |  |  |
| 4         | 8  | -  | 9+ | 9  | -  | -  | 9  | 9         | -  | 9+ | 9+ | 7  | 8  | 9+ | 9  | 9         | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 2  | 9+        | 9+ | 5* | 9+ | 9+ | 8  | -  | 7  | 9         | -  | 6  | 9  | -   | 4  |  |  |  |
| 5         | 7  | -  | 9+ | 8  | -  | 6  | 9  | 9         | -  | 9+ | 9+ | -  | 9  | 9+ | 8  | 9         | 9+ | 9+ | 9  | 9  | 9+ | 9+ | -  | 9+        | 9+ | 8  | 9+ | 9+ | 4  | -  | 5  | 9         | 2  | 7  | 4  | -   | 5  |  |  |  |
| 6         | 6  | -  | 9+ | 9  | -  | 7  | 9  | 9         | -  | 9+ | 9  | -  | 9  | 9+ | 9+ | 9+        | 9+ | 9  | 9  | 9  | 9  | 9  | 4  | 9+        | 9  | 9  | 8  | 9+ | -  | -  | 1  | 7         | 1  | 3  | 2  | -   | 6  |  |  |  |
| 7         | -  | -  | 9+ | 8  | -  | 8  | 8  | 8         | 3  | 9+ | 9  | -  | 9  | 9+ | 9+ | 9+        | 9  | 9  | 8  | 9+ | 9+ | 5  | 8  | 9         | 5  | 4  | 9  | -  | -  | 1  | 5  | -         | -  | 1  | -  | 7   |    |  |  |  |
| 8         | -  | -  | 9+ | 2  | -  | 7  | 8  | 7         | 7  | 9+ | 9  | -  | 9  | 9+ | 9  | 9+        | 8  | 9  | 7  | 9+ | 9+ | 3  | 3  | 6         | 6  | 4  | 5  | 3  | -  | -  | -  | -         | -  | -  | -  | 8   |    |  |  |  |
| 9         | -  | 1  | 9+ | -  | -  | 7  | 8  | 2         | 7  | 9+ | 6  | -  | 9  | 9  | 9  | 9         | 9  | 9+ | 8  | 9+ | 9  | 8  | 8  | 1         | 9  | 8  | 7  | -  | 1  | 4  | -  | 2         | 4  | -  | -  | 9   |    |  |  |  |
| 10        | -  | -  | 9+ | -  | -  | -  | 6  | -         | 6  | 9+ | 1  | -  | 8  | 9  | 8  | 9         | 9+ | 9+ | 8  | 9+ | 9+ | 9+ | 9  | 7         | 9  | 9+ | 9+ | 1  | 5  | 8  | -  | 9         | 8  | -  | -  | 10  |    |  |  |  |
| 11        | -  | -  | 9+ | -  | -  | -  | 1  | -         | 2  | 9+ | -  | -  | 8  | 8  | 7  | 9         | 9+ | 9  | 9  | 9  | 9+ | 9+ | 9  | 9         | 8  | 9  | 9  | 9+ | 5  | 8  | 9  | -         | 9  | 9  | 3  | -   | 11 |  |  |  |
| 12        | -  | -  | 9  | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | -  | 5  | 5  | 8         | 9+ | 8  | 5* | 9+ | 9+ | 9  | 9  | 9+        | 9  | 8  | 9+ | 9  | 8  | 9  | 9+ | 9         | 8  | 5  | 1  | 12  |    |  |  |  |
| 13        | -  | -  | 4  | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | -  | -  | 3* | 6         | 9+ | 6  | 4* | 9  | 9  | 9  | 9  | 9+        | 9  | 8  | 9  | 9+ | 6  | 9  | 9+ | 9         | 9  | 8  | 8  | 13  |    |  |  |  |
| 14        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 8  | -  | -  | -  | -  | 1  | 1*        | 9+ | 5  | 1* | 8  | 8  | 9  | 9  | 9+        | 9  | 8  | 9  | 9+ | 5  | 9  | 9+ | 9         | 9  | 9  | 9  | 14  |    |  |  |  |
| 15        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 7  | -  | -  | -  | -  | 1  | -         | 9+ | 5  | 1  | 8  | 6  | 9  | 8  | 9         | 9  | 8  | 9  | 9  | 6  | 9  | 9  | 9         | 9  | 9  | 8  | 15  |    |  |  |  |
| 16        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 6  | -  | -  | -  | -  | 2  | 1         | 9+ | 7  | 2  | 5  | 5  | 9  | 8  | 9+        | 9  | 8  | 9  | 9  | 8  | 8  | 9  | 9         | 9  | 8  | 9  | 16  |    |  |  |  |
| 17        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 8  | -  | -  | -  | -  | 5  | 2         | 9+ | 8  | 6  | 2  | 5  | 9  | 9  | 9+        | 9+ | 9  | 9  | 9  | 9+ | 8  | 9  | 9+        | 9  | 8  | 9  | 17  |    |  |  |  |
| 18        | -  | -  | 1  | -  | -  | -  | -  | -         | -  | 9  | -  | -  | -  | -  | 9  | 8         | 9+ | 9  | 8  | 8  | 7  | 9+ | 9  | 9+        | 9+ | 9  | 8  | 9+ | 9  | 6  | 9+ | 9+        | 9  | 9  | 9  | 18  |    |  |  |  |
| 19        | -  | -  | 6  | -  | -  | -  | -  | -         | -  | 9+ | 4  | -  | -  | -  | 9  | 9         | 9+ | 9  | 9  | 8  | 8  | 9+ | 9  | 9+        | 9+ | 9+ | 8  | 9+ | 5  | 4  | 9+ | 9+        | 9  | 9  | 9  | 19  |    |  |  |  |
| 20        | -  | -  | 9  | -  | -  | -  | -  | 6         | -  | 9+ | 8  | 2  | -  | 2  | 9+ | 9+        | 9+ | 9+ | 9+ | 8  | 9  | 8  | 8  | 9+        | 9+ | 9+ | 8  | 9+ | -  | -  | 9+ | 9+        | 8  | 9  | 8  | 20  |    |  |  |  |
| 21        | -  | -  | 9+ | 4  | -  | -  | -  | 8         | 2  | 9+ | 9  | 7  | -  | 5  | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 9+ | 6  | 9  | 9+        | 9+ | 9+ | 8  | 9+ | -  | -  | 9+ | 9         | 4  | 9  | 8  | 21  |    |  |  |  |
| 22        | 1  | -  | 9+ | 7  | -  | -  | 2  | 9         | 5  | 9+ | 9  | 8  | 3  | 7  | 9+ | 9         | 9+ | 9+ | 9+ | 9  | 9+ | 2  | 9  | 9+        | 9+ | 9+ | 8  | 9+ | -  | 5  | 9+ | 8         | 1  | 9  | 8  | 22  |    |  |  |  |
| 23        | 8  | -  | 9+ | 8  | 5  | -  | 6  | 9         | 6  | 9+ | 9+ | 9  | -  | 9  | 9+ | 9         | 9+ | 9+ | 9+ | 9  | 9+ | -  | 9  | 9+        | 9+ | 9+ | 9+ | 9+ | -  | 8  | 9+ | 6         | 3  | 9  | 9+ | 23  |    |  |  |  |
|           | EU | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU | FE        | SA | AF | AS | OC | NA | EU | FE | SA        | AF | AS | OC | NA | EU | FE | SA | AF        | AS | OC | NA |     |    |  |  |  |

Nov., Paraguay (Asuncion), for SSN = Low, Sigs in S-Units. By N6BV, ARRL.

| 80 Meters |    |    |    |    |    |    |    | 40 Meters |    |    |    |    |    |    |    | 20 Meters |    |    |    |    |    |    |    | 15 Meters |    |    |    |    |    |    |    | 10 Meters |    |    |    |     |   |  |  |  |
|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|-----|---|--|--|--|
| UTC       | EU | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU | FE        | SA | AF | AS | OC | NA | EU | FE | SA        | AF | AS | OC | NA | EU | FE | SA | AF        | AS | OC | NA | UTC |   |  |  |  |
| 0         | 9  | -  | 9+ | 9  | 6  | -  | 8  | 9         | 5  | 9+ | 9+ | 9  | -  | 9  | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 9+ | -  | 9+ | 9+        | 9+ | 9  | 9+ | 9+ | -  | 8  | 9+ | 2         | -  | 9  | 8  | 0   |   |  |  |  |
| 1         | 9  | -  | 9+ | 8  | 6  | -  | 9  | 9+        | -  | 9+ | 9+ | 9  | -  | 9+ | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 9+ | -  | 9+ | 9+        | 9  | 3  | 9+ | 8  | -  | 8  | 9  | -         | -  | 9  | -  | 1   |   |  |  |  |
| 2         | 9  | -  | 9+ | 9  | 5  | -  | 9  | 9+        | -  | 9+ | 9+ | 9  | 5  | 9+ | 9+ | 9         | 9+ | 9+ | 9  | 9+ | 9+ | 1  | 9+ | 9+        | 9  | 1* | 9+ | 7  | -  | 7  | 9  | -         | -  | 8  | -  | 2   |   |  |  |  |
| 3         | 9  | -  | 9+ | 8  | -  | -  | 9  | 9+        | -  | 9+ | 9+ | 8  | 7  | 9+ | 9+ | 9         | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+        | 8  | 9  | 9+ | 7  | -  | 6  | 7  | -         | 2  | 8  | -  | 3   |   |  |  |  |
| 4         | 9  | -  | 9+ | 8  | -  | 2  | 9  | 9         | -  | 9+ | 9+ | 7  | 8  | 9+ | 9  | 9         | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 1  | 9+        | 9+ | 6  | 9  | 9+ | 6  | -  | 4  | 7         | -  | 2  | 7  | -   | 4 |  |  |  |
| 5         | 8  | -  | 9+ | 8  | -  | 6  | 9  | 9         | -  | 9+ | 9+ | -  | 9  | 9+ | 8  | 9+        | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | -  | 9         | 9+ | 8  | 8  | 9+ | 1  | -  | 1  | 4         | 1  | 2  | 5  | -   | 5 |  |  |  |
| 6         | 6  | -  | 9+ | 8  | -  | 7  | 9  | 9         | 2  | 9+ | 9  | -  | 9  | 9+ | 9  | 9+        | 9+ | 9+ | 9  | 9+ | 9+ | 1  | 5  | 9         | 8  | 8  | 9+ | 1  | -  | -  | 1  | -         | -  | 1  | -  | 6   |   |  |  |  |
| 7         | 5  | -  | 9+ | 7  | -  | 8  | 9  | 8         | 6  | 9+ | 9  | -  | 9  | 9+ | 9+ | 9+        | 9+ | 1  | 9  | 9+ | 9+ | 1  | 3  | 9         | 7  | 5  | 9  | 1  | -  | -  | 1  | -         | -  | -  | -  | 7   |   |  |  |  |
| 8         | -  | -  | 9+ | 3  | -  | 7  | 8  | 7         | 7  | 9+ | 8  | -  | 9  | 9+ | 9  | 9         | 9  | 9  | 8  | 9+ | 9+ | 4  | 5  | 5         | 8  | 6  | 8  | 1  | -  | -  | -  | -         | -  | -  | -  | 8   |   |  |  |  |
| 9         | -  | -  | 9+ | -  | -  | 7  | 8  | 3         | 8  | 9+ | 6  | -  | 9  | 9  | 9  | 8         | 9+ | 9+ | 9  | 9+ | 9  | 8  | 9  | 2         | 9  | 8  | 9  | -  | 1  | 5  | -  | 2         | 3  | 1  | -  | 9   |   |  |  |  |
| 10        | -  | -  | 9+ | -  | -  | -  | 6  | -         | 7  | 9+ | 1  | -  | 8  | 8  | 9  | 8         | 9+ | 9+ | 9  | 9+ | 9  | 9+ | 9  | 7         | 9  | 9  | 9+ | 2  | 2  | 7  | -  | 7         | 5  | 1  | -  | 10  |   |  |  |  |
| 11        | -  | -  | 9+ | -  | -  | -  | 1  | -         | 1* | 9+ | -  | -  | 7  | 7  | 9  | 9         | 9+ | 9  | 9  | 9+ | 9+ | 9  | 9  | 9         | 9  | 9  | 9+ | 1  | 8  | 7  | -  | 7         | 5  | 3  | -  | 11  |   |  |  |  |
| 12        | -  | -  | 9  | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | -  | 4  | 4  | 6*        | 9+ | 8  | 6  | 9+ | 9+ | 9  | 9  | 9+        | 9  | 8  | 9  | 9  | 8  | 7  | 9+ | 6         | 3  | 6  | 1  | 12  |   |  |  |  |
| 13        | -  | -  | 2  | -  | -  | -  | -  | -         | -  | 9  | -  | -  | -  | 1  | 2  | 3*        | 9+ | 6  | 2* | 9  | 9  | 9  | 9  | 9+        | 9  | 8  | 9  | 9+ | 6  | 8  | 9+ | 8         | 8  | 6  | 8  | 13  |   |  |  |  |
| 14        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 8  | -  | -  | -  | -  | 1  | 1*        | 9+ | 5  | -  | 8  | 8  | 9  | 8  | 9+        | 9  | 8  | 9  | 9+ | 6  | 8  | 4  | 9         | 9  | 8  | 9  | 14  |   |  |  |  |
| 15        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 7  | -  | -  | -  | -  | 1  | -         | 9+ | 5  | 1  | 6  | 6  | 8  | 8  | 9         | 9  | 8  | 9  | 9  | 6  | 7  | 9+ | 9         | 9  | 8  | 9  | 15  |   |  |  |  |
| 16        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 6  | -  | -  | -  | -  | 2  | -         | 9+ | 6  | 2  | 4  | 4  | 9  | 8  | 9         | 9  | 8  | 9  | 9  | 9  | 8  | 9  | 9         | 9  | 7  | 9  | 16  |   |  |  |  |
| 17        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 8  | -  | -  | -  | -  | 5  | 1         | 9+ | 8  | 6  | 2  | 5  | 9  | 9  | 9+        | 9  | 9  | 9  | 9  | 6  | 5  | 9  | 9+        | 9  | 6  | 9  | 17  |   |  |  |  |
| 18        | -  | -  | 1  | -  | -  | -  | -  | -         | -  | 9  | -  | -  | -  | -  | 8  | 8         | 9+ | 9  | 8  | 4  | 6  | 9+ | 9  | 9+        | 9+ | 9+ | 8  | 9  | 2  | 5  | 9+ | 9+        | 6  | 9  | 9  | 18  |   |  |  |  |
| 19        | -  | -  | 5  | -  | -  | -  | -  | -         | -  | 9  | 3  | -  | -  | -  | 9  | 8         | 9+ | 9  | 9  | 7  | 8  | 8  | 9  | 9+        | 9+ | 9+ | 8  | 9  | -  | 2  | 9+ | 9+        | 7  | 9  | 9  | 19  |   |  |  |  |
| 20        | -  | -  | 9  | -  | -  | -  | -  | 6         | -  | 9+ | 7  | -  | -  | 1  | 9+ | 9         | 9+ | 9+ | 9+ | 9  | 9  | 5  | 8  | 9+        | 9+ | 9+ | 8  | 9+ | -  | -  | 9+ | 8         | 5  | 9  | 9  | 20  |   |  |  |  |
| 21        | -  | -  | 9+ | 3  | -  | -  | -  | 8         | 1  | 9+ | 8  | 7  | -  | 5  | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 9+ | 1  | 9  | 9+        | 9+ | 9+ | 8  | 9+ | -  | -  | 9+ | 9         | 1  | 9  | 9  | 21  |   |  |  |  |
| 22        | -  | -  | 9+ | 6  | -  | -  | 3  | 9         | 5  | 9+ | 9  | 8  | 2  | 8  | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 9+ | 1  | 9  | 9+        | 9+ | 9+ | 8  | 9+ | -  | 6  | 9+ | 9         | -  | 9  | 9  | 22  |   |  |  |  |
| 23        | 8  | -  | 9+ | 8  | 5  | -  | 6  | 9         | 5  | 9+ | 9+ | 8  | -  | 8  | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 9+ | -  | 9  | 9+        | 9+ | 9  | 9+ | 9+ | -  | 9  | 9+ | 7         | 1  | 9  | 8  | 23  |   |  |  |  |
|           | EU | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU | FE        | SA | AF | AS | OC | NA | EU | FE | SA        | AF | AS | OC | NA | EU | FE | SA | AF        | AS | OC | NA |     |   |  |  |  |

**Dec., Paraguay (Asuncion), for SSN = Low, Sigs in S-Units. By N6BV, ARRL.**

|     | 80 Meters |    |    |    |    |    |    | 40 Meters |    |    |    |    |    |    | 20 Meters |    |    |    |    |    |    | 15 Meters |    |    |    |    |    |    | 10 Meters |    |    |    |    |    |    |     |
|-----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----|
| UTC | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | UTC |
| 0   | 9         | -  | 9+ | 8  | 6  | -  | 8  | 9+        | 5  | 9+ | 9+ | 9  | -  | 9  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | 1         | 9+ | 9+ | 9+ | 9  | 9+ | 9+ | -         | 2  | 9+ | 3  | -  | 8  | 5  | 0   |
| 1   | 9         | -  | 9+ | 9  | 7  | -  | 9  | 9+        | -  | 9+ | 9+ | 9  | -  | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 9+ | 9+ | -         | 9+ | 9+ | 9  | 2  | 9+ | 6  | -         | 8  | 8  | -  | -  | 5  | -  | 1   |
| 2   | 8         | -  | 9+ | 9  | 5  | -  | 9  | 9+        | -  | 9+ | 9+ | 9  | 5  | 9+ | 9+        | 9  | 9+ | 9+ | 7  | 9+ | 9+ | -         | 9+ | 9+ | 4  | 1* | 9+ | 8  | -         | 5  | 4  | -  | -  | 2  | -  | 2   |
| 3   | 8         | -  | 9+ | 9  | 2  | -  | 9  | 9+        | -  | 9+ | 9+ | 8  | 7  | 9+ | 9         | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | -         | 9  | 9  | 1  | 5  | 9+ | 7  | -         | 2  | -  | -  | -  | 2  | -  | 3   |
| 4   | 8         | -  | 9+ | 9  | -  | 5  | 9  | 9+        | -  | 9+ | 9+ | 7  | 9  | 9+ | 9         | 9+ | 9+ | 8  | 9+ | 9+ | 9+ | -         | 8  | 8  | 6  | 9  | 9+ | 1  | -         | -  | -  | -  | -  | 3  | -  | 4   |
| 5   | 9         | -  | 9+ | 8  | -  | 6  | 9  | 9+        | 1  | 9+ | 9+ | 2  | 9  | 9+ | 7         | 9+ | 9+ | 9+ | 9+ | 9+ | 9  | -         | 6  | 6  | 8  | 7  | 9+ | -  | -         | 1  | -  | -  | -  | 2  | -  | 5   |
| 6   | 8         | -  | 9+ | 8  | -  | 7  | 9  | 9         | 6  | 9+ | 9  | -  | 9  | 9+ | 7         | 9+ | 9+ | 9+ | 9+ | 9+ | 9  | -         | 5  | 2  | 8  | 5  | 9+ | -  | -         | -  | -  | -  | 2  | -  | 6  |     |
| 7   | 5         | -  | 9+ | 8  | -  | 7  | 9  | 9         | 8  | 9+ | 9  | -  | 9  | 9+ | 9         | 9  | 9+ | 9  | 8  | 9+ | 9  | -         | 4  | 5  | 6  | -  | 8  | -  | -         | -  | -  | -  | 1  | -  | 7  |     |
| 8   | -         | 2  | 9+ | 3  | -  | 7  | 8  | 7         | 8  | 9+ | 8  | -  | 9  | 9+ | 9         | 8  | 9+ | 9  | 8  | 9+ | 9  | 1         | 5  | -  | 7  | 1  | 8  | -  | -         | -  | -  | -  | 2  | -  | 8  |     |
| 9   | -         | -  | 9+ | -  | -  | 6  | 8  | 4         | 8  | 9+ | 6  | 2  | 9  | 9+ | 9+        | 8  | 9+ | 9+ | 9  | 9+ | 7  | 8         | 8  | -  | 9  | 7  | 9  | -  | -         | 2  | -  | 2  | 2  | 4  | -  | 9   |
| 10  | -         | -  | 9+ | -  | -  | -  | 5  | 1         | 7  | 9+ | 2  | -  | 8  | 8  | 9         | 9  | 9+ | 9+ | 9  | 9+ | 8  | 9+        | 9  | 2  | 9  | 9  | 9+ | -  | 1         | 3  | -  | 3  | 1  | 3  | -  | 10  |
| 11  | -         | -  | 9+ | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | 7  | 7  | 8         | 8  | 9+ | 9  | 9  | 9+ | 9  | 9+        | 9  | 9  | 9  | 8  | 9  | -  | 5         | 6  | -  | 5  | 2  | 6  | -  | 11  |
| 12  | -         | -  | 6  | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | -  | 6  | 7         | 5* | 9+ | 8  | 5  | 9+ | 9+ | 9         | 9  | 9+ | 9  | 8  | 9  | 8  | 5         | 5  | 9  | 6  | -  | 6  | -  | 12  |
| 13  | -         | -  | 1  | -  | -  | -  | -  | -         | -  | 9  | -  | -  | -  | 1  | 2         | 2* | 9+ | 5  | 1* | 9  | 9  | 9         | 9  | 9+ | 9  | 8  | 9  | 9+ | 5         | 6  | 9+ | 6  | 7  | 6  | 6  | 13  |
| 14  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 8  | -  | -  | -  | -  | 1         | -  | 9+ | 4  | -  | 8  | 8  | 9         | 9  | 9  | 9  | 8  | 8  | 9  | 8         | 6  | 9  | 9  | 7  | 4  | 8  | 14  |
| 15  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 7  | -  | -  | -  | -  | 1         | -  | 9+ | 6  | 1  | 6  | 6  | 9         | 9  | 9  | 9  | 8  | 9  | 9  | 8         | 5  | 9  | 9  | 8  | 1  | 8  | 15  |
| 16  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 6  | -  | -  | -  | -  | 2         | -  | 9+ | 6  | 2  | 4  | 4  | 9         | 8  | 9  | 9  | 9  | 6  | 9  | 8         | 4  | 9  | 8  | 9  | -  | 8  | 16  |
| 17  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 7  | -  | -  | -  | -  | 5         | 1  | 9+ | 8  | 5  | 4  | 5  | 9         | 8  | 9+ | 9  | 9  | 9  | 9  | 1         | -  | 9  | 9+ | 8  | 2  | 9  | 17  |
| 18  | -         | -  | -  | -  | -  | -  | -  | -         | -  | 9  | -  | -  | -  | -  | 8         | 7  | 9+ | 9  | 8  | 6  | 7  | 9         | 7  | 9+ | 9+ | 9+ | 8  | 9  | -         | -  | 9  | 9+ | 7  | 8  | 8  | 18  |
| 19  | -         | -  | 4  | -  | -  | -  | -  | -         | -  | 9+ | 2  | -  | -  | -  | 9+        | 8  | 9+ | 9  | 9  | 6  | 8  | 5         | 5  | 9+ | 9+ | 9+ | 8  | 9  | -         | -  | 9+ | 9  | 6  | 8  | 9  | 19  |
| 20  | -         | -  | 9  | -  | -  | -  | -  | -         | -  | 9+ | 6  | -  | -  | 1  | 9+        | 9  | 9+ | 9+ | 9+ | 6  | 9  | 1         | -  | 9+ | 9+ | 9+ | 8  | 9+ | -         | -  | 9+ | 9  | 4  | 9  | 9  | 20  |
| 21  | -         | -  | 9+ | 2  | -  | -  | -  | 8         | -  | 9+ | 8  | 7  | -  | 5  | 9+        | 9+ | 9+ | 9+ | 9+ | 8  | 9+ | -         | 2  | 9+ | 9+ | 9+ | 8  | 9+ | -         | -  | 9+ | 9  | 2  | 9  | 9  | 21  |
| 22  | -         | -  | 9+ | 6  | -  | -  | 3  | 9         | 6  | 9+ | 9  | 8  | -  | 7  | 9+        | 9  | 9+ | 9+ | 9+ | 9  | 9+ | -         | 9  | 9+ | 9+ | 9+ | 8  | 9+ | -         | -  | 9+ | 8  | 1  | 9  | 9  | 22  |
| 23  | 8         | -  | 9+ | 7  | 5  | -  | 6  | 9         | 6  | 9+ | 9+ | 8  | -  | 9  | 9+        | 9+ | 9+ | 9+ | 9+ | 9  | 9+ | -         | 9  | 9+ | 9+ | 9  | 9  | 9+ | -         | 4  | 9+ | 5  | 2  | 9  | 8  | 23  |
|     | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA |     |

**Jan., Paraguay (Asuncion), for SSN = Very Low, Sigs in S-Units. By N6BV, ARRL.**

| 80 Meters |    |    |    |    |    |    |    | 40 Meters |    |    |    |    |    |    |    | 20 Meters |    |    |    |    |    |    |    | 15 Meters |    |    |    |    |    |    |    | 10 Meters |    |    |    |     |  |  |  |  |
|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|-----|--|--|--|--|
| UTC       | EU | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU | FE        | SA | AF | AS | OC | NA | EU | FE | SA        | AF | AS | OC | NA | EU | FE | SA | AF        | AS | OC | NA | UTC |  |  |  |  |
| 0         | 8  | -  | 9+ | 8  | 7  | -  | 8  | 9         | 5  | 9+ | 9+ | 9  | -  | 9  | 9  | 9+        | 9+ | 9+ | 9  | 9  | 9+ | -  | 9+ | 9         | 1  | -  | 9  | 8  | -  | -  | 8  | -         | -  | 5  | -  | 0   |  |  |  |  |
| 1         | 9  | -  | 9+ | 9  | 7  | -  | 9  | 9+        | 1  | 9+ | 9+ | 9  | -  | 9+ | 9  | 9+        | 9+ | 9+ | 6  | 9  | 9+ | -  | 8  | 9+        | -  | -  | 8  | 3  | -  | 1  | 5  | -         | -  | 1  | -  | 1   |  |  |  |  |
| 2         | 9  | -  | 9+ | 8  | 6  | -  | 9  | 9+        | -  | 9+ | 9+ | 9  | 5  | 9+ | 9  | 9         | 9+ | 9  | 7  | 9+ | 9  | -  | 8  | 9         | -  | -  | 8  | -  | -  | -  | 1  | -         | -  | -  | -  | 2   |  |  |  |  |
| 3         | 8  | -  | 9+ | 9  | 2  | -  | 9  | 9+        | -  | 9+ | 9+ | 8  | 7  | 9+ | 9+ | 9         | 9+ | 9  | 9  | 9+ | 8  | -  | 6  | 8         | -  | -  | 7  | -  | -  | -  | -  | -         | -  | -  | -  | 3   |  |  |  |  |
| 4         | 8  | -  | 9+ | 9  | -  | 2  | 9  | 9+        | -  | 9+ | 9+ | 7  | 8  | 9+ | 9  | 9         | 9+ | 4  | 9  | 9+ | 9  | -  | 2  | 6         | -  | 1  | 7  | -  | -  | -  | -  | -         | -  | -  | -  | 4   |  |  |  |  |
| 5         | 8  | -  | 9+ | 8  | -  | 6  | 9  | 9         | -  | 9+ | 9  | 3  | 9  | 9+ | 7  | 9+        | 9+ | 9  | 9  | 9+ | 8  | -  | -  | 3         | -  | -  | 6  | -  | -  | -  | -  | -         | -  | -  | -  | 5   |  |  |  |  |
| 6         | 7  | -  | 9+ | 8  | -  | 7  | 9  | 9         | 4  | 9+ | 9  | -  | 9  | 9+ | 5  | 9         | 9+ | 8  | 7  | 9+ | 9  | -  | -  | 1         | -  | -  | 1  | -  | -  | -  | -  | -         | -  | -  | -  | 6   |  |  |  |  |
| 7         | 5  | -  | 9+ | 7  | -  | 7  | 9  | 9         | 6  | 9+ | 9  | -  | 9+ | 9+ | 2  | 7         | 9+ | 7  | 1  | 9+ | 9  | -  | -  | 2         | -  | -  | -  | -  | -  | -  | -  | -         | -  | -  | -  | 7   |  |  |  |  |
| 8         | -  | -  | 9+ | 5  | -  | 8  | 8  | 8         | 8  | 9+ | 8  | -  | 9+ | 9+ | 5  | 5         | 9+ | 6  | 1  | 9  | 6  | -  | -  | 3         | -  | -  | -  | -  | -  | -  | -  | -         | -  | -  | -  | 8   |  |  |  |  |
| 9         | -  | -  | 9+ | -  | -  | 7  | 8  | 4         | 8  | 9+ | 7  | -  | 9  | 9  | 8  | 8         | 9+ | 9  | 7  | 9  | -  | 1  | 2  | 5         | 3  | 1  | 2  | -  | -  | -  | -  | -         | -  | -  | -  | 9   |  |  |  |  |
| 10        | -  | -  | 9+ | -  | -  | -  | 6  | 1         | 7  | 9+ | 3  | -  | 9  | 9  | 9  | 9         | 9+ | 9+ | 9  | 9+ | 4  | 4  | 5  | 7         | 7  | 5  | 2  | -  | -  | -  | -  | -         | -  | -  | -  | 10  |  |  |  |  |
| 11        | -  | -  | 9+ | -  | -  | -  | 1  | -         | 3  | 9+ | -  | -  | 8  | 8  | 8  | 9         | 9+ | 9  | 9  | 9+ | 9  | 9+ | 9  | 8         | 9  | 8  | 8  | -  | 2  | -  | -  | -         | 1  | -  | -  | 11  |  |  |  |  |
| 12        | -  | -  | 8  | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | -  | 7  | 7  | 5         | 9+ | 8  | 4  | 9  | 9+ | 9+ | 9  | 9         | 9  | 8  | 9  | 4  | 2  | -  | -  | -         | -  | -  | -  | 12  |  |  |  |  |
| 13        | -  | -  | 2  | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | -  | 1  | 5  | 5         | 9+ | 7  | 1  | 9  | 9  | 9  | 9  | 9         | 9  | 8  | 9  | 9  | 1  | 2  | 4  | 1         | 1  | -  | -  | 13  |  |  |  |  |
| 14        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 9  | -  | -  | -  | -  | 4  | 1         | 9+ | 6  | 1  | 7  | 9  | 8  | 9  | 9+        | 9  | 9  | 8  | 9  | 1  | 1  | 5  | 6         | 3  | -  | -  | 14  |  |  |  |  |
| 15        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 8  | -  | -  | -  | -  | 2  | 1         | 9+ | 6  | 1  | 6  | 7  | 7  | 8  | 9         | 9  | 8  | 5  | 9  | 1  | 1  | 5  | 8         | 6  | -  | -  | 15  |  |  |  |  |
| 16        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 7  | -  | -  | -  | -  | 4  | 1         | 9+ | 6  | 3  | 7  | 5  | 9  | 7  | 9         | 9  | 9  | -  | 9  | 1  | -  | 5  | 9         | 6  | -  | -  | 16  |  |  |  |  |
| 17        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 8  | -  | -  | -  | -  | 8  | 2         | 9+ | 8  | 6  | 4  | 6  | 9  | 3  | 9         | 9  | 9  | 8  | 9  | -  | -  | 6  | 8         | -  | -  | 2  | 17  |  |  |  |  |
| 18        | -  | -  | 1  | -  | -  | -  | -  | -         | -  | 9  | -  | -  | -  | -  | 9  | 8         | 9+ | 9  | 8  | 5  | 7  | 7  | -  | 9+        | 9+ | 8  | 9  | 9  | -  | -  | 6  | 6         | -  | 5  | 2  | 18  |  |  |  |  |
| 19        | -  | -  | 5  | -  | -  | -  | -  | -         | -  | 9+ | 2  | -  | -  | -  | 9+ | 5         | 9+ | 9+ | 9  | 6  | 8  | 2  | -  | 9+        | 9  | 6  | 9  | 9  | -  | -  | 9  | 5         | -  | 7  | 3  | 19  |  |  |  |  |
| 20        | -  | -  | 9  | -  | -  | -  | -  | 6         | -  | 9+ | 7  | -  | -  | 1  | 9+ | 5         | 9+ | 9+ | 9+ | 9  | 9+ | -  | -  | 9+        | 9  | -  | 8  | 9  | -  | -  | 9  | 2         | -  | 8  | 3  | 20  |  |  |  |  |
| 21        | -  | -  | 9+ | 3  | -  | -  | -  | 8         | 2  | 9+ | 8  | 7  | -  | 4  | 9  | 8         | 9+ | 9+ | 9+ | 8  | 9+ | -  | -  | 9+        | 9  | -  | 8  | 9  | -  | -  | 9+ | -         | -  | 9  | 5  | 21  |  |  |  |  |
| 22        | -  | -  | 9+ | 6  | -  | -  | 2  | 9         | 5  | 9+ | 9  | 8  | 3  | 7  | 9  | 8         | 9+ | 9+ | 9+ | 9  | 9+ | -  | 5  | 9+        | 7  | -  | 9  | 9+ | -  | -  | 9+ | -         | -  | 9  | 7  | 22  |  |  |  |  |
| 23        | 8  | -  | 9+ | 8  | 5  | -  | 6  | 9         | 7  | 9+ | 9  | 9  | -  | 9  | 9  | 9         | 9+ | 9+ | 9+ | 9  | 9+ | -  | 9  | 9+        | 4  | 1  | 9  | 9+ | -  | -  | 9  | -         | -  | 7  | 5  | 23  |  |  |  |  |
|           | EU | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU | FE        | SA | AF | AS | OC | NA | EU | FE | SA        | AF | AS | OC | NA | EU | FE | SA | AF        | AS | OC | NA |     |  |  |  |  |

**Feb., Paraguay (Asuncion), for SSN = Very Low, Sigs in S-Units. By N6BV, ARRL.**

| 80 Meters |    |    |    |    |    |    |    | 40 Meters |    |    |    |    |    |    |    | 20 Meters |    |    |    |    |    |    |    | 15 Meters |    |    |    |    |    |    |    | 10 Meters |    |    |    |     |  |  |  |  |
|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|-----|--|--|--|--|
| UTC       | EU | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU | FE        | SA | AF | AS | OC | NA | EU | FE | SA        | AF | AS | OC | NA | EU | FE | SA | AF        | AS | OC | NA | UTC |  |  |  |  |
| 0         | 8  | -  | 9+ | 8  | 7  | -  | 7  | 9         | 5  | 9+ | 9+ | 9  | -  | 9  | 9  | 9         | 9+ | 9+ | 9+ | 9  | 9+ | -  | 9  | 9+        | 8  | 4  | 9  | 9+ | -  | 1  | 9  | -         | -  | 8  | 2  | 0   |  |  |  |  |
| 1         | 9  | -  | 9+ | 9  | 7  | -  | 8  | 9+        | 1  | 9+ | 9+ | 9  | -  | 9+ | 9  | 9+        | 9+ | 9+ | 9+ | 9  | 9+ | -  | 9  | 9+        | 7  | -  | 9+ | 8  | -  | 1  | 8  | -         | -  | 6  | -  | 1   |  |  |  |  |
| 2         | 9  | -  | 9+ | 9  | 5  | -  | 9  | 9+        | -  | 9+ | 9+ | 9  | 4  | 9+ | 9+ | 9         | 9+ | 9+ | 7  | 9  | 9+ | -  | 9  | 9         | 5  | 1* | 9+ | 2  | -  | 4  | 7  | -         | -  | 5  | -  | 2   |  |  |  |  |
| 3         | 9  | -  | 9+ | 9  | -  | -  | 9  | 9+        | -  | 9+ | 9+ | 9  | 7  | 9+ | 9+ | 9         | 9+ | 9+ | 9  | 9+ | 9  | -  | 9  | 9         | 1  | 2  | 9+ | -  | -  | 2  | 4  | -         | -  | 2  | -  | 3   |  |  |  |  |
| 4         | 9  | -  | 9+ | 9  | -  | -  | 9  | 9         | -  | 9+ | 9+ | 6  | 8  | 9+ | 9  | 9         | 9+ | 9  | 9+ | 9+ | 9  | 1  | 9  | 9         | -  | 4  | 9+ | -  | -  | 1  | 2  | -         | -  | 3  | -  | 4   |  |  |  |  |
| 5         | 8  | -  | 9+ | 8  | -  | 6  | 9  | 9         | -  | 9+ | 9+ | -  | 9  | 9+ | 8  | 9         | 9+ | 9  | 9  | 9+ | 8  | -  | 9  | 9         | -  | 2  | 8  | -  | -  | 1  | -  | -         | -  | -  | -  | 5   |  |  |  |  |
| 6         | 6  | -  | 9+ | 8  | -  | 7  | 9  | 9         | 1  | 9+ | 9  | -  | 9  | 9+ | 8  | 9+        | 9+ | 9  | 9  | 9+ | 9  | -  | 5  | 8         | 1  | 4  | 7  | -  | -  | -  | -  | -         | -  | -  | -  | 6   |  |  |  |  |
| 7         | -  | -  | 9+ | 7  | -  | 8  | 8  | 8         | 4  | 9+ | 9  | -  | 9  | 9+ | 8  | 9+        | 9+ | 9  | 7  | 9+ | 9  | -  | 2  | 7         | 1  | -  | 4  | -  | -  | -  | -  | -         | -  | -  | -  | 7   |  |  |  |  |
| 8         | -  | -  | 9+ | 1  | -  | 8  | 8  | 7         | 7  | 9+ | 8  | -  | 9  | 9+ | 6  | 9         | 9  | 8  | 3  | 9+ | 9  | -  | 1  | 1         | 1  | -  | 1  | -  | -  | -  | -  | -         | -  | -  | -  | 8   |  |  |  |  |
| 9         | -  | 1  | 9+ | -  | -  | 7  | 8  | 5         | 8  | 9+ | 6  | -  | 9  | 9+ | 8  | 9         | 9  | 8  | 6  | 9  | 6  | 1  | 2  | -         | 4  | 1  | 1  | -  | -  | -  | -  | -         | -  | -  | -  | 9   |  |  |  |  |
| 10        | -  | -  | 9+ | -  | -  | 2  | 6  | -         | 6  | 9+ | 2  | -  | 9  | 9  | 9  | 8         | 9  | 9+ | 9  | 9+ | 8  | 7  | 8  | -         | 8  | 7  | -  | -  | -  | -  | -  | -         | -  | -  | -  | 10  |  |  |  |  |
| 11        | -  | -  | 9+ | -  | -  | -  | 2  | -         | 4  | 9+ | -  | -  | 8  | 8  | 8  | 8         | 9+ | 9  | 9  | 9+ | 9  | 9+ | 8  | 1         | 9  | 8  | 5  | -  | 2  | 2  | -  | 3         | 1  | -  | -  | 11  |  |  |  |  |
| 12        | -  | -  | 9  | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | 5  | 5  | 5  | 6         | 9+ | 8  | 6  | 9+ | 9+ | 9  | 9  | 7         | 9  | 8  | 9  | 6  | 2  | 3  | 1  | 2         | -  | -  | -  | 12  |  |  |  |  |
| 13        | -  | -  | 5  | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | -  | 1  | 5  | 6         | 9+ | 6  | 1  | 9  | 9  | 9  | 9  | 9+        | 9  | 8  | 9  | 9  | 2  | 2  | 8  | 3         | -  | -  | -  | 13  |  |  |  |  |
| 14        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 9  | -  | -  | -  | -  | 4  | 1         | 9+ | 6  | 1  | 6  | 9  | 9  | 9  | 8         | 9  | 8  | 9  | 9  | 1  | 5  | 8  | 6         | 3  | 1  | -  | 14  |  |  |  |  |
| 15        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 8  | -  | -  | -  | -  | 1  | 1         | 9+ | 6  | 1  | 5  | 7  | 9  | 8  | 9         | 9  | 8  | 9  | 9  | 2  | 5  | 9  | 9         | 6  | 2  | 1  | 15  |  |  |  |  |
| 16        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 7  | -  | -  | -  | -  | 3  | 1         | 9+ | 7  | 2  | 8  | 6  | 9  | 9  | 9+        | 9  | 9  | 6  | 9  | 2  | 5  | 8  | 9         | 9  | -  | 2  | 16  |  |  |  |  |
| 17        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 8  | -  | -  | -  | -  | 7  | 1         | 9+ | 8  | 6  | 6  | 6  | 9+ | 9  | 9+        | 9  | 9  | 7  | 9  | 4  | 1  | 7  | 9+        | 8  | -  | 4  | 17  |  |  |  |  |
| 18        | -  | -  | 1  | -  | -  | -  | -  | -         | -  | 9  | -  | -  | -  | -  | 9  | 8         | 9+ | 9  | 8  | 6  | 7  | 9+ | 6  | 9+        | 9+ | 9+ | 9  | 9  | 1  | -  | 7  | 9         | 4  | 6  | 5  | 18  |  |  |  |  |
| 19        | -  | -  | 6  | -  | -  | -  | -  | -         | -  | 9+ | 3  | -  | -  | -  | 9  | 8         | 9+ | 9+ | 9  | 5  | 8  | 8  | 1  | 9+        | 9+ | 9  | 8  | 9  | -  | -  | 9  | 7         | 1  | 8  | 5  | 19  |  |  |  |  |
| 20        | -  | -  | 9  | -  | -  | -  | -  | 6         | -  | 9+ | 7  | -  | -  | 1  | 9+ | 9         | 9+ | 9+ | 9+ | 7  | 9  | 5  | -  | 9+        | 9+ | 5  | 8  | 9  | -  | -  | 9  | 7         | -  | 9  | 8  | 20  |  |  |  |  |
| 21        | -  | -  | 9+ | 3  | -  | -  | -  | 8         | 2  | 9+ | 9  | 7  | -  | 5  | 9+ | 8         | 9+ | 9+ | 9+ | 8  | 9+ | 1  | 1  | 9+        | 8  | 7  | 8  | 9+ | -  | -  | 9+ | 4         | -  | 9  | 9  | 21  |  |  |  |  |
| 22        | 1  | -  | 9+ | 6  | -  | -  | 2  | 9         | 5  | 9+ | 9  | 8  | 3  | 7  | 9  | 8         | 9+ | 9+ | 9+ | 8  | 9+ | -  | 8  | 9+        | 9  | 5  | 8  | 9+ | -  | -  | 9+ | -         | -  | 9  | 8  | 22  |  |  |  |  |
| 23        | 7  | -  | 9+ | 8  | 5  | -  | 5  | 9         | 7  | 9+ | 9  | 9  | -  | 9  | 9  | 9         | 9+ | 9+ | 9+ | 9  | 9+ | -  | 9  | 9+        | 9  | 6  | 9  | 9+ | -  | -  | 9+ | -         | -  | 9  | 7  | 23  |  |  |  |  |
|           | EU | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU | FE        | SA | AF | AS | OC | NA | EU | FE | SA        | AF | AS | OC | NA | EU | FE | SA | AF        | AS | OC | NA |     |  |  |  |  |

**Mar., Paraguay (Asuncion), for SSN = Very Low, Sigs in S-Units. By N6BV, ARRL.**

| 80 Meters |    |    |    |    |    |    |    | 40 Meters |    |    |    |    |    |    |    | 20 Meters |    |    |    |    |    |    |    | 15 Meters |    |    |    |    |    |    |    | 10 Meters |    |    |    |     |  |  |  |  |
|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|-----|--|--|--|--|
| UTC       | EU | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU | FE        | SA | AF | AS | OC | NA | EU | FE | SA        | AF | AS | OC | NA | EU | FE | SA | AF        | AS | OC | NA | UTC |  |  |  |  |
| 0         | 9  | -  | 9+ | 8  | 6  | -  | 8  | 9         | 5  | 9+ | 9+ | 9  | -  | 9  | 8  | 9+        | 9+ | 9+ | 9+ | 9+ | 9+ | -  | 9  | 9+        | 9+ | 8  | 9  | 9+ | -  | 1  | 9  | -         | -  | 9  | 6  | 0   |  |  |  |  |
| 1         | 9  | -  | 9+ | 9  | 7  | -  | 8  | 9+        | 1  | 9+ | 9+ | 9  | -  | 9+ | 9  | 9+        | 9+ | 9+ | 9+ | 9  | 9+ | -  | 9  | 9+        | 9+ | 2  | 9  | 9+ | -  | 2  | 9  | -         | -  | 9  | 3  | 1   |  |  |  |  |
| 2         | 9  | -  | 9+ | 8  | 5  | -  | 9  | 9+        | -  | 9+ | 9+ | 9  | -  | 9+ | 9  | 9         | 9+ | 9+ | 9  | 9  | 9+ | -  | 9  | 9+        | 9  | 3* | 9+ | 8  | -  | 6  | 9  | -         | -  | 9  | -  | 2   |  |  |  |  |
| 3         | 9  | -  | 9+ | 8  | -  | -  | 9  | 9         | -  | 9+ | 9+ | 8  | 7  | 9+ | 9  | 8         | 9+ | 9+ | 9+ | 9+ | 9+ | -  | 9  | 9+        | 8  | 8  | 9+ | 6  | -  | 6  | 9  | -         | 1  | 8  | -  | 3   |  |  |  |  |
| 4         | 8  | -  | 9+ | 8  | -  | -  | 9  | 9         | -  | 9+ | 9+ | 7  | 8  | 9+ | 8  | 9         | 9+ | 9+ | 9  | 9+ | 9+ | -  | 9  | 9+        | 2* | 7  | 9+ | 2  | -  | 6  | 9  | -         | -  | 8  | -  | 4   |  |  |  |  |
| 5         | 8  | -  | 9+ | 8  | -  | 5  | 9  | 9         | -  | 9+ | 9+ | -  | 9  | 9+ | 6  | 9         | 9+ | 2  | 9+ | 9+ | 9+ | -  | 9+ | 9         | 1  | 9  | 9+ | -  | -  | 4  | 8  | -         | 1  | 1  | -  | 5   |  |  |  |  |
| 6         | 6  | -  | 9+ | 8  | -  | 7  | 9  | 9         | -  | 9+ | 9  | -  | 9  | 9+ | 9  | 9         | 9+ | 9+ | 9  | 9+ | 9  | -  | 9  | 8         | 2  | 6  | 8  | -  | -  | -  | 5  | -         | -  | -  | -  | 6   |  |  |  |  |
| 7         | -  | -  | 9+ | 7  | -  | 8  | 9  | 8         | 1  | 9+ | 9  | -  | 9  | 9+ | 6  | 9+        | 9+ | 7  | 5  | 9+ | 9  | -  | 5  | 8         | -  | -  | 4  | -  | -  | -  | 1  | -         | -  | -  | -  | 7   |  |  |  |  |
| 8         | -  | -  | 9+ | 2  | -  | 8  | 9  | 8         | 6  | 9+ | 7  | -  | 9+ | 9  | -  | 8         | 9+ | 6  | 1  | 9+ | 9  | -  | -  | 1         | -  | -  | 4  | -  | -  | -  | -  | -         | -  | -  | -  | 8   |  |  |  |  |
| 9         | -  | 1  | 9+ | -  | -  | 7  | 9  | 4         | 7  | 9+ | 6  | -  | 9+ | 9  | 6  | 8         | 9  | 9  | 6  | 8  | -  | -  | -  | -         | 2  | 1  | -  | -  | -  | -  | -  | -         | -  | -  | -  | 9   |  |  |  |  |
| 10        | -  | -  | 9+ | -  | -  | 6  | 7  | -         | 8  | 9+ | 3  | -  | 9  | 9  | 9  | 8         | 9  | 9+ | 9  | 9+ | 3  | 8  | 8  | -         | 9  | 8  | -  | -  | -  | -  | 1  | -         | -  | -  | -  | 10  |  |  |  |  |
| 11        | -  | -  | 9+ | -  | -  | -  | 3  | -         | 4  | 9+ | -  | -  | 8  | 8  | 8  | 8         | 9+ | 9  | 9  | 9  | 9  | 9+ | 8  | -         | 9  | 9  | 6  | -  | 2  | 4  | -  | 7         | 5  | -  | -  | 11  |  |  |  |  |
| 12        | -  | -  | 9+ | -  | -  | -  | -  | -         | 1* | 9+ | -  | -  | 6  | 7  | 5  | 7         | 9+ | 8  | 8  | 9+ | 9+ | 9  | 9  | 8         | 9  | 8  | 9+ | 4  | 4  | 8  | 1  | 8         | 7  | -  | -  | 12  |  |  |  |  |
| 13        | -  | -  | 5  | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | -  | 1  | 5  | 6         | 9+ | 5  | 5  | 9  | 9+ | 9  | 9  | 9         | 9  | 8  | 9+ | 8  | 2  | 9  | 8  | 8         | 7  | 2  | -  | 13  |  |  |  |  |
| 14        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 9  | -  | -  | -  | -  | 4  | 2*        | 9+ | 4  | -  | 4  | 9  | 9  | 9  | 9         | 9  | 8  | 9  | 8  | -  | 9  | 6  | 9         | 9  | 2  | -  | 14  |  |  |  |  |
| 15        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 7  | -  | -  | -  | -  | 4  | 1         | 9+ | 5  | 1  | 1  | 8  | 9  | 8  | 9+        | 9  | 8  | 9  | 9  | 1  | 9  | 5  | 9         | 9  | 4  | 1  | 15  |  |  |  |  |
| 16        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 7  | -  | -  | -  | -  | 5  | 1         | 9+ | 7  | 3  | 7  | 6  | 9  | 8  | 9+        | 9  | 8  | 9  | 9  | 9  | 8  | 6  | 9         | 9  | 6  | 2  | 16  |  |  |  |  |
| 17        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 8  | -  | -  | -  | -  | 7  | 1         | 9+ | 8  | 6  | 4  | 5  | 9  | 9  | 9+        | 9  | 9  | 9  | 9  | 8  | 8  | 7  | 9         | 9  | 4  | 5  | 17  |  |  |  |  |
| 18        | -  | -  | 1  | -  | -  | -  | -  | -         | -  | 9  | -  | -  | -  | -  | 8  | 8         | 9+ | 9  | 8  | 8  | 7  | 9+ | 9  | 9+        | 9+ | 9  | 8  | 9  | 8  | 6  | 9  | 9         | 8  | 7  | 8  | 18  |  |  |  |  |
| 19        | -  | -  | 5  | -  | -  | -  | -  | -         | -  | 9+ | 3  | -  | -  | -  | 9  | 9         | 9+ | 9+ | 9  | 9  | 8  | 9+ | 8  | 9+        | 9+ | 9+ | 8  | 9  | 2  | 2  | 9+ | 9         | 2  | 9  | 8  | 19  |  |  |  |  |
| 20        | -  | -  | 9  | -  | -  | -  | -  | 6         | -  | 9+ | 7  | 2  | -  | 1  | 9+ | 9         | 9+ | 9+ | 9+ | 4  | 9  | 8  | 8  | 9+        | 9+ | 9+ | 8  | 9+ | -  | -  | 9+ | 8         | -  | 9  | 9  | 20  |  |  |  |  |
| 21        | -  | -  | 9+ | 4  | -  | -  | -  | 8         | 3  | 9+ | 9  | 7  | 5  | 5  | 9+ | 9+        | 9+ | 9+ | 9+ | 9  | 9+ | 6  | 6  | 9+        | 9+ | 9+ | 8  | 9+ | -  | -  | 9+ | 4         | -  | 9  | 9  | 21  |  |  |  |  |
| 22        | 7  | -  | 9+ | 6  | -  | -  | 2  | 9         | 5  | 9+ | 9  | 8  | 5  | 7  | 9  | 9+        | 9+ | 9+ | 9+ | 9  | 9+ | 1  | 8  | 9+        | 9+ | 9  | 8  | 9+ | -  | -  | 9+ | -         | -  | 9  | 9  | 22  |  |  |  |  |
| 23        | 8  | -  | 9+ | 8  | 5  | -  | 6  | 9         | 6  | 9+ | 9+ | 9  | 5  | 9  | 9  | 9         | 9+ | 9+ | 9+ | 9  | 9+ | -  | 9  | 9+        | 9+ | 8  | 9  | 9+ | -  | -  | 9+ | 1         | -  | 9  | 8  | 23  |  |  |  |  |
|           | EU | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU | FE        | SA | AF | AS | OC | NA | EU | FE | SA        | AF | AS | OC | NA | EU | FE | SA | AF        | AS | OC | NA |     |  |  |  |  |



**Apr., Paraguay (Asuncion), for SSN = Very Low, Sigs in S-Units. By N6BV, ARRL.**

| 80 Meters |    |    |    |    |    |    |    | 40 Meters |    |    |    |    |    |    |    | 20 Meters |    |    |    |    |    |    |    | 15 Meters |    |    |    |    |    |    |    | 10 Meters |    |    |    |     |  |  |  |  |
|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|-----|--|--|--|--|
| UTC       | EU | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU | FE        | SA | AF | AS | OC | NA | EU | FE | SA        | AF | AS | OC | NA | EU | FE | SA | AF        | AS | OC | NA | UTC |  |  |  |  |
| 0         | 9  | -  | 9+ | 9  | 6  | -  | 8  | 9+        | 5  | 9+ | 9+ | 9  | 4  | 9  | 9  | 9+        | 9+ | 9+ | 9+ | 8  | 9+ | -  | 8  | 9+        | 6  | 5  | 9  | 9+ | -  | -  | 9  | -         | -  | 8  | 6  | 0   |  |  |  |  |
| 1         | 9  | -  | 9+ | 9  | 6  | -  | 8  | 9+        | 1  | 9+ | 9+ | 9  | -  | 9+ | 9  | 8         | 9+ | 9+ | 9  | 9  | 9+ | -  | 9  | 9         | 3  | -  | 9  | 9+ | -  | -  | 9  | -         | -  | 8  | 2  | 1   |  |  |  |  |
| 2         | 9  | -  | 9+ | 9  | 5  | -  | 9  | 9+        | -  | 9+ | 9+ | 9  | -  | 9+ | 9  | 8         | 9+ | 9+ | 9  | 9  | 9+ | -  | 9  | 9         | 1  | 3  | 9+ | 8  | -  | 4  | 9  | -         | -  | 8  | 3  | 2   |  |  |  |  |
| 3         | 9  | -  | 9+ | 9  | -  | -  | 9  | 9+        | -  | 9+ | 9+ | 8  | 6  | 9+ | 8  | 8         | 9+ | 9+ | 9+ | 9+ | 9+ | -  | 9  | 9         | -  | 5  | 9+ | 9  | -  | 3  | 9  | -         | -  | 7  | -  | 3   |  |  |  |  |
| 4         | 8  | -  | 9+ | 9  | -  | -  | 9  | 9         | -  | 9+ | 9+ | 7  | 8  | 9+ | 8  | 8         | 9+ | 9  | 9+ | 9+ | 9+ | -  | 9  | 8         | -  | 7  | 9+ | 5  | -  | 3  | 8  | -         | -  | 8  | -  | 4   |  |  |  |  |
| 5         | 7  | -  | 9+ | 9  | -  | 5  | 9  | 9         | -  | 9+ | 9  | -  | 9  | 9+ | 9  | 9         | 9+ | 9+ | 9  | 9+ | 9+ | -  | 9+ | 9         | 2  | 7  | 9+ | 1  | -  | 2  | 5  | -         | -  | 5  | -  | 5   |  |  |  |  |
| 6         | -  | -  | 9+ | 9  | -  | 7  | 9  | 9         | -  | 9+ | 9  | -  | 9  | 9+ | 9+ | 9         | 9+ | 9+ | 8  | 9+ | 9  | 2  | 7  | 9         | 1  | 2  | 7  | -  | -  | -  | 1  | -         | -  | -  | -  | 6   |  |  |  |  |
| 7         | -  | -  | 9+ | 8  | -  | 8  | 9  | 8         | -  | 9+ | 8  | -  | 9  | 9+ | 6  | 9+        | 9+ | 4  | 2  | 9+ | 9  | -  | 6  | 7         | -  | -  | -  | -  | -  | -  | -  | -         | -  | -  | -  | 7   |  |  |  |  |
| 8         | -  | -  | 9+ | 3  | -  | 8  | 9  | 8         | 3  | 9+ | 8  | -  | 9+ | 9+ | 2  | 9         | 9  | 4  | 1  | 9+ | 9  | -  | -  | 1         | -  | -  | 2  | -  | -  | -  | -  | -         | -  | -  | -  | 8   |  |  |  |  |
| 9         | -  | -  | 9+ | -  | -  | 8  | 9  | -         | 7  | 9+ | 7  | -  | 9+ | 9+ | 9  | 8         | 9  | 9  | 5  | 7  | 3  | 2  | -  | -         | 3  | 1  | -  | -  | -  | -  | -  | -         | -  | -  | -  | 9   |  |  |  |  |
| 10        | -  | -  | 9+ | -  | -  | 7  | 7  | -         | 8  | 9+ | 3  | -  | 9  | 9  | 9  | 8         | 8  | 9+ | 8  | 9  | 8  | 9  | 5  | -         | 9  | 9  | -  | -  | -  | -  | 1  | -         | -  | -  | -  | 10  |  |  |  |  |
| 11        | -  | -  | 9+ | -  | -  | -  | 4  | -         | 6  | 9+ | -  | -  | 9  | 8  | 8  | 9+        | 9+ | 9  | 8  | 9  | 9  | 9  | 8  | -         | 9+ | 8  | 1  | -  | -  | 3  | -  | 8         | 4  | -  | -  | 11  |  |  |  |  |
| 12        | -  | -  | 9+ | -  | -  | -  | -  | -         | 1* | 9+ | -  | -  | 7  | 7  | 7  | 9         | 9+ | 8  | 9  | 9  | 9+ | 9  | 9  | 8         | 9  | 8  | 9+ | 3  | 3  | 8  | -  | 9         | 9  | -  | -  | 12  |  |  |  |  |
| 13        | -  | -  | 8  | -  | -  | -  | -  | -         | 1* | 9+ | -  | -  | -  | 2  | 4  | 6*        | 9+ | 5  | 5* | 8  | 9  | 9  | 9  | 9         | 9  | 7  | 9+ | 7  | 8  | 9  | 6  | 9         | 9  | 4  | -  | 13  |  |  |  |  |
| 14        | -  | -  | 2  | -  | -  | -  | -  | -         | -  | 9  | -  | -  | -  | -  | 5  | 3         | 9+ | 6  | 5* | 8  | 9  | 9  | 9  | 9+        | 9  | 8  | 9  | 8  | 5  | 9  | 4  | 9         | 9  | 4  | -  | 14  |  |  |  |  |
| 15        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 8  | -  | -  | -  | -  | 4  | 1*        | 9+ | 6  | 2  | 5  | 9  | 9  | 9  | 9+        | 9  | 8  | 8  | 9  | 4  | 9  | 1  | 9         | 9  | 3  | -  | 15  |  |  |  |  |
| 16        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 8  | -  | -  | -  | -  | 6  | 1         | 9+ | 8  | 4  | 7  | 7  | 9  | 8  | 9+        | 9  | 9  | 5  | 8  | 4  | 7  | 2  | 9         | 9  | -  | -  | 16  |  |  |  |  |
| 17        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 9  | -  | -  | -  | -  | 8  | 5         | 9+ | 8  | 7  | 6  | 6  | 9  | 9  | 9+        | 8  | 9  | 9  | 9  | 7  | 6  | 4  | 9         | 9  | -  | 1  | 17  |  |  |  |  |
| 18        | -  | -  | 3  | -  | -  | -  | -  | -         | -  | 9  | 1  | -  | -  | -  | 8  | 8         | 9+ | 9  | 8  | 7  | 8  | 9+ | 9  | 9+        | 9+ | 9  | 9  | 9  | 9+ | 5  | 9  | 9+        | 6  | 5  | 3  | 18  |  |  |  |  |
| 19        | -  | -  | 8  | -  | -  | -  | -  | -         | -  | 9+ | 5  | -  | -  | -  | 9  | 9         | 9+ | 9  | 9  | 5  | 8  | 9+ | 8  | 9+        | 9+ | 7  | 9  | 9  | 8  | 1  | 9  | 9         | -  | 9  | 5  | 19  |  |  |  |  |
| 20        | -  | -  | 9+ | 1  | -  | -  | -  | 6         | 1  | 9+ | 8  | 6  | -  | 1  | 9+ | 9+        | 9+ | 9+ | 9+ | 5  | 9  | 9+ | 7  | 9+        | 9+ | 4  | 8  | 9  | 1  | -  | 9  | 8         | -  | 9  | 6  | 20  |  |  |  |  |
| 21        | -  | -  | 9+ | 5  | -  | -  | -  | 8         | 5  | 9+ | 9  | 7  | 6  | 5  | 9+ | 9+        | 9+ | 9+ | 9+ | 8  | 9+ | 8  | 3  | 9+        | 9  | 5  | 8  | 9+ | 1  | -  | 9  | 5         | -  | 9  | 8  | 21  |  |  |  |  |
| 22        | 7  | -  | 9+ | 7  | 2  | -  | 2  | 9         | 6  | 9+ | 9  | 9  | 7  | 7  | 9+ | 9         | 9+ | 9+ | 9+ | 9  | 9+ | 4  | 6  | 9+        | 9  | 6  | 8  | 9+ | -  | -  | 9  | -         | -  | 9  | 7  | 22  |  |  |  |  |
| 23        | 8  | -  | 9+ | 8  | 5  | -  | 5  | 9         | 6  | 9+ | 9+ | 9  | 6  | 8  | 9  | 8         | 9+ | 9+ | 9+ | 9  | 9+ | -  | 6  | 9         | 8  | 8  | 9  | 9+ | -  | -  | 9  | -         | -  | 9  | 8  | 23  |  |  |  |  |
|           | EU | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU | FE        | SA | AF | AS | OC | NA | EU | FE | SA        | AF | AS | OC | NA | EU | FE | SA | AF        | AS | OC | NA |     |  |  |  |  |

**May, Paraguay (Asuncion), for SSN = Very Low, Sigs in S-Units. By N6BV, ARRL.**

| 80 Meters |    |    |    |    |    |    |    | 40 Meters |    |    |    |    |    |    |    | 20 Meters |    |    |    |    |    |    |    | 15 Meters |    |    |    |    |    |    |    | 10 Meters |    |    |    |     |  |  |  |  |
|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|-----|--|--|--|--|
| UTC       | EU | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU | FE        | SA | AF | AS | OC | NA | EU | FE | SA        | AF | AS | OC | NA | EU | FE | SA | AF        | AS | OC | NA | UTC |  |  |  |  |
| 0         | 9  | -  | 9+ | 9  | 6  | -  | 7  | 9         | 6  | 9+ | 9+ | 9  | 8  | 9  | 9+ | 8         | 9+ | 9+ | 9+ | 8  | 9+ | 4  | 5  | 9+        | -  | -  | 9  | 9  | -  | -  | 4  | -         | -  | 4  | 2  | 0   |  |  |  |  |
| 1         | 9  | -  | 9+ | 9  | 5  | -  | 8  | 9+        | -  | 9+ | 9+ | 9  | -  | 9+ | 9  | 8         | 9+ | 9+ | 9  | 9  | 9+ | -  | 4  | 9         | -  | 2  | 9  | 9  | -  | 1  | 1  | -         | -  | 5  | 1  | 1   |  |  |  |  |
| 2         | 9  | -  | 9+ | 9  | 1  | -  | 9  | 9+        | -  | 9+ | 9+ | 9  | -  | 9+ | 9  | 8         | 9+ | 9  | 9+ | 9  | 9+ | -  | 5  | 9         | -  | 4  | 8  | 9  | -  | -  | 1  | -         | -  | 1  | 1  | 2   |  |  |  |  |
| 3         | 9  | -  | 9+ | 9  | -  | -  | 9  | 9+        | -  | 9+ | 9+ | 7  | 7  | 9+ | 9  | 8         | 9+ | 9+ | 9  | 9+ | 9+ | -  | 5  | 9         | 1  | 2  | 8  | 8  | -  | -  | -  | -         | -  | -  | -  | 3   |  |  |  |  |
| 4         | 8  | -  | 9+ | 9  | -  | -  | 9  | 9+        | -  | 9+ | 9  | 6  | 8  | 9+ | 9  | 8         | 9+ | 9  | 9  | 9+ | 9+ | -  | 3  | 7         | -  | -  | 5  | 5  | -  | -  | -  | -         | -  | -  | -  | 4   |  |  |  |  |
| 5         | 7  | -  | 9+ | 9  | -  | 6  | 9  | 9         | -  | 9+ | 9  | -  | 9  | 9+ | 8  | 8         | 9  | 9  | 6  | 9  | 9+ | -  | 1  | 4         | -  | -  | 1  | 3  | -  | -  | -  | -         | -  | -  | -  | 5   |  |  |  |  |
| 6         | -  | -  | 9+ | 8  | -  | 7  | 9  | 9         | -  | 9+ | 9  | -  | 9  | 9+ | 7  | 8         | 9  | 6  | 4  | 9  | 9  | -  | -  | 1         | -  | -  | -  | 1  | -  | -  | -  | -         | -  | -  | -  | 6   |  |  |  |  |
| 7         | -  | -  | 9+ | 8  | -  | 8  | 9  | 8         | -  | 9+ | 8  | -  | 9+ | 9+ | -  | 8         | 9  | -  | -  | 9  | 9  | -  | -  | 1         | -  | -  | -  | -  | -  | -  | -  | -         | -  | -  | -  | 7   |  |  |  |  |
| 8         | -  | -  | 9+ | 1  | -  | 8  | 9  | 6         | 1  | 9+ | 8  | -  | 9+ | 9+ | -  | 7         | 8  | 2  | -  | 8  | 8  | -  | -  | -         | -  | -  | -  | -  | -  | -  | -  | -         | -  | -  | -  | 8   |  |  |  |  |
| 9         | -  | -  | 9+ | -  | -  | 8  | 8  | -         | 6  | 9+ | 7  | -  | 9+ | 9+ | 8  | 8         | 5  | 8  | 4  | 4  | 3  | -  | -  | -         | 1  | 1  | -  | -  | -  | -  | -  | -         | -  | -  | -  | 9   |  |  |  |  |
| 10        | -  | -  | 9+ | -  | -  | 7  | 7  | -         | 7  | 9+ | 4  | -  | 9  | 9  | 9  | 8         | 7  | 9+ | 8  | 5  | 9  | 5  | 2  | -         | 8  | 6  | -  | -  | -  | -  | -  | -         | -  | -  | -  | 10  |  |  |  |  |
| 11        | -  | -  | 9+ | -  | -  | 4  | 4  | -         | 6  | 9+ | -  | -  | 9  | 8  | 8  | 9         | 9+ | 9  | 9  | 9  | 9+ | 7  | 8  | -         | 9  | 8  | -  | -  | -  | -  | -  | 2         | 4  | -  | -  | 11  |  |  |  |  |
| 12        | -  | -  | 9+ | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | 8  | 7  | 7  | 9+        | 9+ | 9  | 9  | 9  | 9+ | 9  | 9  | 8         | 9  | 8  | 3  | 2  | -  | 3  | -  | 5         | 6  | -  | -  | 12  |  |  |  |  |
| 13        | -  | -  | 9  | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | 6  | 3  | 6  | 9         | 9+ | 6  | 5* | 9  | 9+ | 9  | 9  | 9+        | 9  | 8  | 5  | 6  | 1  | 4  | -  | 9         | 8  | -  | -  | 13  |  |  |  |  |
| 14        | -  | -  | 5  | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | -  | 1  | 6  | 7         | 9+ | 6  | 3* | 8  | 9  | 9  | 9  | 9+        | 9  | 8  | 3  | 4  | 4  | 2  | -  | 9         | 9  | -  | -  | 14  |  |  |  |  |
| 15        | -  | -  | 1  | -  | -  | -  | -  | -         | -  | 9  | -  | -  | -  | -  | 5  | 1         | 9+ | 7  | 4* | 7  | 9  | 9  | 9  | 9+        | 9  | 8  | 1  | 5  | 5  | -  | -  | 9         | 9  | -  | -  | 15  |  |  |  |  |
| 16        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 9  | -  | -  | -  | -  | 7  | 2         | 9+ | 8  | 5  | 7  | 8  | 9  | 5  | 9+        | 9  | 9  | 4  | 8  | -  | -  | -  | 9         | 9  | -  | -  | 16  |  |  |  |  |
| 17        | -  | -  | 1  | -  | -  | -  | -  | -         | -  | 9  | -  | -  | -  | -  | 8  | 8         | 9+ | 9  | 7  | 7  | 7  | 9+ | 4  | 9         | 9  | 9  | 9  | 8  | 4  | -  | -  | 9+        | 9  | -  | -  | 17  |  |  |  |  |
| 18        | -  | -  | 6  | -  | -  | -  | -  | -         | -  | 9+ | 2  | -  | -  | -  | 9  | 8         | 9+ | 9  | 9  | 5  | 7  | 9+ | 2  | 9+        | 9+ | 9+ | 9  | 9  | 8  | -  | 2  | 9+        | 6  | -  | -  | 18  |  |  |  |  |
| 19        | -  | -  | 9  | -  | -  | -  | -  | -         | -  | 9+ | 6  | -  | -  | -  | 9  | 9         | 9+ | 9+ | 9  | 5  | 9  | 9+ | 1  | 9+        | 9+ | 8  | 9  | 9  | 8  | -  | 5  | 7         | 1  | 5  | -  | 19  |  |  |  |  |
| 20        | -  | -  | 9+ | 3  | -  | -  | -  | 6         | 3  | 9+ | 8  | 6  | 6  | 1  | 9+ | 9         | 9+ | 9+ | 9+ | 5  | 9  | 9+ | 2  | 9+        | 9+ | 6  | 9  | 9  | 2  | -  | 4  | 7         | -  | 6  | 2  | 20  |  |  |  |  |
| 21        | -  | -  | 9+ | 6  | -  | -  | -  | 8         | 6  | 9+ | 9  | 8  | 6  | 3  | 9+ | 9         | 9+ | 9+ | 9+ | 8  | 9+ | 9+ | 7  | 9+        | 9  | 2  | 9  | 9+ | 5  | -  | 6  | -         | -  | 8  | 4  | 21  |  |  |  |  |
| 22        | 7  | 1  | 9+ | 8  | 5  | 4  | -  | 9         | 7  | 9+ | 9  | 9  | 8  | 7  | 9+ | 9         | 9+ | 9+ | 9+ | 9  | 9+ | 9  | 7  | 9+        | 9  | 1  | 9  | 9+ | 1  | -  | 4  | -         | -  | 8  | 6  | 22  |  |  |  |  |
| 23        | 8  | -  | 9+ | 8  | 6  | -  | 4  | 9         | 7  | 9+ | 9+ | 9  | 8  | 9  | 9+ | 8         | 9+ | 9+ | 9+ | 8  | 9+ | 5  | 6  | 9+        | -  | -  | 9  | 9+ | -  | -  | 8  | -         | -  | 6  | 6  | 23  |  |  |  |  |
|           | EU | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU | FE        | SA | AF | AS | OC | NA | EU | FE | SA        | AF | AS | OC | NA | EU | FE | SA | AF        | AS | OC | NA |     |  |  |  |  |

Jun., Paraguay (Asuncion), for SSN = Very Low, Sigs in S-Units. By N6BV, ARRL.

| 80 Meters |    |    |    |    |    |    |    | 40 Meters |    |    |    |    |    |    |    | 20 Meters |    |    |      |      |    |    |    | 15 Meters |    |    |    |    |    |    |    | 10 Meters |    |    |    |     |  |  |  |  |
|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|------|------|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|-----|--|--|--|--|
| UTC       | EU | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU | FE        | SA | AF | AS   | OC   | NA | EU | FE | SA        | AF | AS | OC | NA | EU | FE | SA | AF        | AS | OC | NA | UTC |  |  |  |  |
| 0         | 9  | -  | 9+ | 9  | 6  | -  | 6  | 9         | 7  | 9+ | 9+ | 9  | 8  | 9  | 9+ | 8         | 9+ | 9+ | 9    | 8    | 9+ | 6  | 4  | 9         | -  | -  | 9  | 9  | -  | -  | 1  | -         | -  | 5  | 1  | 0   |  |  |  |  |
| 1         | 9  | -  | 9+ | 9  | 5  | -  | 8  | 9+        | -  | 9+ | 9+ | 9  | 5  | 9+ | 9+ | 8         | 9+ | 9+ | 9    | 9    | 9+ | -  | 4  | 9         | -  | -  | 8  | 8  | -  | -  | -  | -         | 2  | -  | 1  |     |  |  |  |  |
| 2         | 9  | -  | 9+ | 9  | -  | -  | 9  | 9+        | -  | 9+ | 9  | 8  | -  | 9+ | 9+ | 8         | 9  | 9+ | 9+   | 9    | 9+ | -  | 4  | 8         | -  | 4  | 8  | 8  | -  | -  | -  | -         | -  | -  | 2  |     |  |  |  |  |
| 3         | 8  | -  | 9+ | 9  | -  | -  | 9  | 9         | -  | 9+ | 9  | 7  | 7  | 9+ | 9  | 8         | 9+ | 9  | 8    | 9+   | 9+ | -  | 3  | 8         | -  | 1  | 6  | 8  | -  | -  | -  | -         | -  | -  | 3  |     |  |  |  |  |
| 4         | 7  | -  | 9+ | 9  | -  | -  | 9  | 9         | -  | 9+ | 9  | 3  | 8  | 9+ | 8  | 8         | 9+ | 8  | 8    | 9+   | 9+ | -  | 2  | 5         | -  | -  | 1  | 5  | -  | -  | -  | -         | -  | -  | 4  |     |  |  |  |  |
| 5         | -  | -  | 9+ | 9  | -  | 6  | 9  | 9         | -  | 9+ | 9  | -  | 9  | 9+ | 5  | 8         | 9+ | 6  | 5    | 8    | 9+ | -  | -  | 1         | -  | -  | 1  | 1  | -  | -  | -  | -         | -  | -  | 5  |     |  |  |  |  |
| 6         | -  | -  | 9+ | 7  | -  | 7  | 9  | 9         | -  | 9+ | 9  | -  | 9  | 9+ | 2  | 5         | 9  | -  | 1    | 9    | 9  | -  | -  | -         | -  | -  | -  | -  | -  | -  | -  | -         | -  | -  | 6  |     |  |  |  |  |
| 7         | -  | -  | 9+ | 5  | -  | 8  | 9  | 5         | -  | 9+ | 7  | -  | 9  | 9+ | -  | 6         | 8  | -  | -    | 9    | 8  | -  | -  | -         | -  | -  | -  | -  | -  | -  | -  | -         | -  | -  | 7  |     |  |  |  |  |
| 8         | -  | -  | 9+ | 2  | -  | 8  | 9  | -         | -  | 9+ | 6  | -  | 9+ | 9+ | -  | 3         | 7  | -  | -    | 7    | 6  | -  | -  | -         | -  | -  | -  | -  | -  | -  | -  | -         | -  | -  | 8  |     |  |  |  |  |
| 9         | -  | -  | 9+ | -  | -  | 8  | 9  | -         | 6  | 9+ | 7  | -  | 9  | 9  | 5  | 4         | 1  | 6  | 1    | 2    | 2  | -  | -  | -         | -  | -  | -  | -  | -  | -  | -  | -         | -  | -  | 9  |     |  |  |  |  |
| 10        | -  | -  | 9+ | -  | -  | 7  | 7  | -         | 6  | 9+ | 2  | -  | 9  | 9  | 9  | 8         | 1  | 9+ | 6    | 1* 6 | 2  | -  | -  | 5         | 5  | -  | -  | -  | -  | -  | -  | -         | -  | -  | 10 |     |  |  |  |  |
| 11        | -  | -  | 9+ | -  | -  | 7  | 4  | -         | 5  | 9+ | -  | -  | 9  | 9  | 8  | 9         | 9  | 9  | 8    | 5    | 9  | 6  | 5  | -         | 9  | 8  | -  | -  | -  | -  | 1  | 2         | -  | -  | 11 |     |  |  |  |  |
| 12        | -  | -  | 9+ | -  | -  | -  | -  | -         | 1  | 9+ | -  | -  | 8  | 7  | 8  | 9+        | 9+ | 9  | 9    | 9+   | 9+ | 9  | 9  | 5         | 9  | 8  | 1  | 1  | 3  | -  | -  | 4         | 6  | -  | -  | 12  |  |  |  |  |
| 13        | -  | -  | 9+ | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | 7  | 4  | 6  | 9         | 9+ | 9  | 6* 9 | 9+   | 9  | 9  | 9+ | 9         | 8  | 2  | 3  | 5  | 1  | -  | 8  | 8         | -  | -  | 13 |     |  |  |  |  |
| 14        | -  | -  | 8  | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | -  | -  | 7  | 8         | 9+ | 7  | 4* 6 | 9+   | 9  | 9  | 9+ | 9         | 8  | -  | 5  | 6  | -  | -  | 9  | 9         | -  | -  | 14 |     |  |  |  |  |
| 15        | -  | -  | 3  | -  | -  | -  | -  | -         | -  | 9  | -  | -  | -  | -  | 7  | 6         | 9+ | 8  | 4    | 8    | 9  | 9  | 8  | 9+        | 9  | 8  | -  | 6  | 7  | -  | -  | 9         | 9  | -  | -  | 15  |  |  |  |  |
| 16        | -  | -  | 2  | -  | -  | -  | -  | -         | -  | 9  | -  | -  | -  | -  | 7  | 8         | 9+ | 9  | 6    | 8    | 8  | 9  | 5  | 9         | 9  | 9  | 5  | 5  | 2  | -  | -  | 9         | 9  | -  | -  | 16  |  |  |  |  |
| 17        | -  | -  | 3  | -  | -  | -  | -  | -         | -  | 9  | 1  | -  | -  | -  | 8  | 8         | 9+ | 9  | 8    | 8    | 7  | 9+ | 2  | 9         | 9  | 9  | 9  | 6  | 4  | -  | -  | 9         | 9  | -  | -  | 17  |  |  |  |  |
| 18        | -  | -  | 8  | -  | -  | -  | -  | -         | -  | 9+ | 5  | -  | -  | -  | 9  | 9         | 9+ | 9  | 9    | 6    | 7  | 9+ | 1  | 9+        | 9+ | 9+ | 9  | 7  | 7  | -  | 3  | 9+        | 6  | -  | 1  | 18  |  |  |  |  |
| 19        | -  | -  | 9+ | -  | -  | -  | -  | 2         | 1  | 9+ | 8  | 2  | 4  | -  | 9+ | 9         | 9+ | 9+ | 9    | 8    | 8  | 9+ | -  | 9+        | 9+ | 8  | 9  | 8  | 8  | -  | 5  | 8         | -  | -  | 1  | 19  |  |  |  |  |
| 20        | -  | -  | 9+ | 5  | -  | -  | -  | 6         | 5  | 9+ | 9  | 7  | 7  | 1  | 9+ | 9         | 9+ | 9+ | 9+   | 8    | 9  | 9+ | 3  | 9+        | 9+ | 7  | 9  | 9  | 7  | -  | 3  | 6         | -  | 2  | 1  | 20  |  |  |  |  |
| 21        | -  | -  | 9+ | 8  | 2  | 4  | -  | 8         | 7  | 9+ | 9  | 8  | 8  | 2  | 9+ | 9         | 9+ | 9+ | 9+   | 6    | 9+ | 9+ | 6  | 9+        | 9+ | 4  | 9  | 9  | 4  | -  | 4  | 1         | -  | 5  | 2  | 21  |  |  |  |  |
| 22        | 6  | 2  | 9+ | 8  | 5  | 4  | -  | 9         | 8  | 9+ | 9  | 9  | 9  | 7  | 9+ | 7         | 9+ | 9+ | 9+   | 9    | 9+ | 7  | 5  | 9+        | 7  | -  | 9  | 9+ | -  | -  | 2  | -         | -  | 5  | 4  | 22  |  |  |  |  |
| 23        | 8  | -  | 9+ | 9  | 6  | -  | 4  | 9         | 8  | 9+ | 9+ | 9  | 8  | 8  | 9+ | 7         | 9+ | 9+ | 9+   | 7    | 9+ | 8  | 3  | 9+        | -  | 2  | 9  | 9  | -  | -  | 4  | -         | -  | 6  | 2  | 23  |  |  |  |  |
|           | EU | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU | FE        | SA | AF | AS   | OC   | NA | EU | FE | SA        | AF | AS | OC | NA | EU | FE | SA | AF        | AS | OC | NA |     |  |  |  |  |



**Aug., Paraguay (Asuncion), for SSN = Very Low, Sigs in S-Units. By N6BV, ARRL.**

| 80 Meters |    |    |    |    |    |    |    | 40 Meters |    |    |    |    |    |    |    | 20 Meters |    |    |      |      |    |    |    | 15 Meters |    |    |    |    |    |    |    | 10 Meters |    |    |    |     |  |  |  |  |
|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|------|------|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|-----|--|--|--|--|
| UTC       | EU | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU | FE        | SA | AF | AS   | OC   | NA | EU | FE | SA        | AF | AS | OC | NA | EU | FE | SA | AF        | AS | OC | NA | UTC |  |  |  |  |
| 0         | 9  | -  | 9+ | 9  | 6  | -  | 7  | 9+        | 6  | 9+ | 9+ | 9  | 4  | 9  | 9+ | 8         | 9+ | 9  | 9    | 8    | 9+ | -  | 4  | 9         | -  | -  | 9  | 9  | -  | -  | 1  | -         | -  | 5  | -  | 0   |  |  |  |  |
| 1         | 9  | -  | 9+ | 9  | 6  | -  | 8  | 9+        | -  | 9+ | 9+ | 9  | -  | 9+ | 9  | 8         | 9+ | 8  | 9    | 9    | 9+ | -  | 4  | 8         | -  | 1  | 8  | 8  | -  | -  | -  | -         | 2  | -  | 1  |     |  |  |  |  |
| 2         | 9  | -  | 9+ | 9  | 5  | -  | 9  | 9+        | -  | 9+ | 9+ | 9  | -  | 9+ | 9  | 9         | 9+ | 8  | 9    | 9+   | 9+ | -  | 4  | 7         | -  | 1  | 8  | 6  | -  | -  | -  | -         | 1  | -  | 2  |     |  |  |  |  |
| 3         | 9  | -  | 9+ | 9  | -  | -  | 9  | 9+        | -  | 9+ | 9+ | 8  | 7  | 9+ | 8  | 9         | 9  | 7  | 9    | 9+   | 9+ | -  | 2  | 8         | -  | 1  | 8  | 7  | -  | -  | -  | -         | 1  | -  | 3  |     |  |  |  |  |
| 4         | 8  | -  | 9+ | 9  | -  | -  | 9  | 9+        | -  | 9+ | 9  | 6  | 8  | 9+ | 8  | 8         | 9+ | 9  | 8    | 9+   | 9+ | -  | 4  | 7         | -  | -  | 8  | -  | -  | -  | -  | -         | -  | -  | 4  |     |  |  |  |  |
| 5         | 7  | -  | 9+ | 9  | -  | 6  | 9  | 9         | -  | 9+ | 9  | -  | 9  | 9+ | 8  | 8         | 9  | 9  | 8    | 9+   | 9  | -  | 1  | 4         | -  | -  | 7  | 1  | -  | -  | -  | -         | -  | -  | 5  |     |  |  |  |  |
| 6         | -  | -  | 9+ | 8  | -  | 7  | 9  | 9         | -  | 9+ | 9  | -  | 9  | 9+ | 6  | 9         | 9  | 5  | 2    | 9+   | 9  | -  | -  | 1         | -  | -  | 3  | -  | -  | -  | -  | -         | -  | -  | 6  |     |  |  |  |  |
| 7         | -  | -  | 9+ | 8  | -  | 8  | 9  | 8         | -  | 9+ | 7  | -  | 9+ | 9+ | -  | 9         | 9  | -  | -    | 9+   | 7  | -  | -  | 1         | -  | -  | 2  | -  | -  | -  | -  | -         | -  | -  | 7  |     |  |  |  |  |
| 8         | -  | -  | 9+ | 3  | -  | 8  | 9  | 6         | 2  | 9+ | 6  | -  | 9+ | 9  | -  | 8         | 9  | 1  | -    | 9    | 8  | -  | -  | -         | -  | -  | -  | -  | -  | -  | -  | -         | -  | -  | 8  |     |  |  |  |  |
| 9         | -  | -  | 9+ | 1  | -  | 8  | 9  | -         | 7  | 9+ | 6  | -  | 9  | 9  | 6  | 7         | 5  | 7  | 3    | 2    | 4  | -  | -  | -         | -  | 1  | -  | -  | -  | -  | -  | -         | -  | -  | 9  |     |  |  |  |  |
| 10        | -  | -  | 9+ | -  | -  | 7  | 8  | -         | 7  | 9+ | 3  | -  | 9  | 9  | 9  | 8         | 6  | 9+ | 8    | 1* 8 | 3  | -  | -  | 5         | 5  | -  | -  | -  | -  | -  | -  | -         | -  | -  | 10 |     |  |  |  |  |
| 11        | -  | -  | 9+ | -  | -  | -  | 4  | -         | 6  | 9+ | -  | -  | 9  | 9  | 8  | 9+        | 9  | 9  | 8    | 7    | 9  | 5  | 5  | -         | 9  | 8  | -  | -  | -  | -  | 1  | 2         | -  | -  | 11 |     |  |  |  |  |
| 12        | -  | -  | 9+ | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | 8  | 7  | 7  | 9+        | 9+ | 9  | 9    | 9    | 9  | 8  | 9  | 6         | 9  | 8  | -  | 1  | 1  | -  | -  | 2         | 6  | -  | 12 |     |  |  |  |  |
| 13        | -  | -  | 8  | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | -  | 2  | 7  | 7         | 9+ | 6  | 5* 9 | 9+   | 9  | 9  | 9  | 9         | 9  | 8  | 3  | 3  | 2  | 1  | -  | 7         | 7  | -  | 13 |     |  |  |  |  |
| 14        | -  | -  | 2  | -  | -  | -  | -  | -         | -  | 9  | -  | -  | -  | 1  | 6  | 2         | 9+ | 6  | 3* 8 | 9    | 9  | 9  | 9  | 9         | 9  | 8  | 2  | 4  | 4  | 1  | -  | 9         | 8  | -  | 14 |     |  |  |  |  |
| 15        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 9  | -  | -  | -  | -  | 6  | 1         | 9+ | 8  | 2    | 7    | 8  | 9  | 9  | 9         | 9  | 8  | -  | 3  | 5  | 1  | -  | 9         | 9  | -  | 15 |     |  |  |  |  |
| 16        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 8  | -  | -  | -  | -  | 8  | 6         | 9+ | 8  | 4    | 7    | 8  | 9  | 6  | 9+        | 9  | 8  | 4  | 6  | 5  | -  | 1  | 9         | 9  | -  | 16 |     |  |  |  |  |
| 17        | -  | -  | 1  | -  | -  | -  | -  | -         | -  | 9  | -  | -  | -  | -  | 8  | 7         | 9+ | 9  | 7    | 8    | 7  | 9+ | 5  | 9+        | 9  | 9  | 8  | 8  | 6  | -  | 2  | 9         | 9  | -  | 17 |     |  |  |  |  |
| 18        | -  | -  | 5  | -  | -  | -  | -  | -         | -  | 9+ | 2  | -  | -  | -  | 9  | 8         | 9+ | 9  | 9    | 5    | 8  | 9+ | 5  | 9+        | 9+ | 9  | 9  | 8  | 7  | -  | 6  | 9+        | 6  | -  | 18 |     |  |  |  |  |
| 19        | -  | -  | 9  | -  | -  | -  | -  | -         | -  | 9+ | 7  | -  | -  | -  | 9+ | 9         | 9+ | 9+ | 9    | 5    | 9  | 9+ | 2  | 9+        | 9+ | 5  | 9  | 8  | 7  | -  | 6  | 7         | -  | 19 |    |     |  |  |  |  |
| 20        | -  | -  | 9+ | 2  | -  | -  | -  | 7         | 3  | 9+ | 8  | 6  | 4  | 1  | 9+ | 9         | 9+ | 9+ | 9+   | 5    | 9  | 9+ | -  | 9+        | 9+ | -  | 9  | 9  | 2  | -  | 5  | 6         | -  | 20 |    |     |  |  |  |  |
| 21        | -  | -  | 9+ | 6  | -  | -  | -  | 8         | 5  | 9+ | 9  | 7  | 6  | 5  | 9+ | 9         | 9+ | 9+ | 8    | 6    | 9+ | 9  | 2  | 9+        | 9  | -  | 9  | 9  | -  | -  | 2  | -         | -  | 1  | 21 |     |  |  |  |  |
| 22        | 7  | -  | 9+ | 8  | 5  | -  | 2  | 9         | 7  | 9+ | 9  | 9  | 7  | 8  | 9+ | 9         | 9+ | 9+ | 8    | 9    | 9+ | 6  | 5  | 9+        | 8  | -  | 9  | 9  | -  | -  | 2  | -         | -  | 5  | 22 |     |  |  |  |  |
| 23        | 8  | -  | 9+ | 8  | 6  | -  | 5  | 9         | 7  | 9+ | 9  | 9  | 8  | 9  | 9+ | 8         | 9+ | 9  | 9    | 8    | 9+ | -  | 3  | 9+        | -  | -  | 9  | 9  | -  | -  | 4  | -         | -  | 7  | 23 |     |  |  |  |  |
|           | EU | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU | FE        | SA | AF | AS   | OC   | NA | EU | FE | SA        | AF | AS | OC | NA | EU | FE | SA | AF        | AS | OC | NA |     |  |  |  |  |

**Sep., Paraguay (Asuncion), for SSN = Very Low, Sigs in S-Units. By N6BV, ARRL.**

| 80 Meters |    |    |    |    |    |    |    | 40 Meters |    |    |    |    |    |    |    | 20 Meters |    |    |    |    |    |    |    | 15 Meters |    |    |    |    |    |    |    | 10 Meters |    |    |    |     |  |  |  |  |
|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|-----|--|--|--|--|
| UTC       | EU | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU | FE        | SA | AF | AS | OC | NA | EU | FE | SA        | AF | AS | OC | NA | EU | FE | SA | AF        | AS | OC | NA | UTC |  |  |  |  |
| 0         | 9  | -  | 9+ | 9  | 6  | -  | 8  | 9+        | 6  | 9+ | 9+ | 9  | -  | 9  | 9  | 9+        | 9+ | 9+ | 9  | 8  | 9+ | -  | 7  | 9+        | 1  | -  | 9  | 9  | -  | -  | 7  | -         | -  | 8  | 5  | 0   |  |  |  |  |
| 1         | 9  | -  | 9+ | 9  | 6  | -  | 9  | 9+        | -  | 9+ | 9+ | 9  | -  | 9+ | 7  | 8         | 9+ | 9  | 8  | 9  | 9+ | -  | 6  | 9+        | 1  | -  | 9+ | 9  | -  | -  | 6  | -         | -  | 8  | -  | 1   |  |  |  |  |
| 2         | 9  | -  | 9+ | 9  | 5  | -  | 9  | 9+        | -  | 9+ | 9+ | 9  | 4  | 9+ | 8  | 8         | 9+ | 9  | 9+ | 9  | 9+ | -  | 5  | 9+        | -  | 4  | 9+ | 8  | -  | -  | 7  | -         | -  | 7  | -  | 2   |  |  |  |  |
| 3         | 9  | -  | 9+ | 9  | -  | -  | 9  | 9+        | -  | 9+ | 9+ | 8  | 7  | 9+ | 8  | 8         | 9+ | 9  | 9+ | 9+ | 9+ | -  | 8  | 9+        | -  | 2  | 9+ | 1  | -  | -  | 6  | -         | -  | 6  | -  | 3   |  |  |  |  |
| 4         | 9  | -  | 9+ | 9  | -  | -  | 9  | 9+        | -  | 9+ | 9+ | 6  | 8  | 9+ | 7  | 8         | 9+ | 5  | 9+ | 9+ | 9  | -  | 8  | 9+        | -  | 6  | 9+ | -  | -  | 5  | -  | -         | 7  | -  | 4  |     |  |  |  |  |
| 5         | 8  | -  | 9+ | 9  | -  | 5  | 9  | 9         | -  | 9+ | 9  | -  | 9  | 9+ | 8  | 9         | 9+ | 9+ | 9  | 9+ | 9  | -  | 7  | 9         | 1  | 5  | 9+ | -  | -  | 2  | -  | -         | 4  | -  | 5  |     |  |  |  |  |
| 6         | -  | -  | 9+ | 8  | -  | 7  | 9  | 9         | -  | 9+ | 9  | -  | 9  | 9+ | 8  | 9         | 9+ | 7  | 6  | 9+ | 9  | -  | 5  | 8         | -  | -  | 1  | -  | -  | -  | -  | -         | -  | -  | 6  |     |  |  |  |  |
| 7         | -  | -  | 9+ | 8  | -  | 8  | 9  | 8         | 1  | 9+ | 8  | -  | 9  | 9+ | -  | 9+        | 9  | 2  | -  | 9  | 9  | -  | 4  | 8         | -  | -  | -  | -  | -  | -  | -  | -         | -  | -  | 7  |     |  |  |  |  |
| 8         | -  | -  | 9+ | 4  | -  | 8  | 8  | 8         | 6  | 9+ | 8  | -  | 9+ | 9  | 1  | 9         | 9  | 4  | -  | 9  | 9  | -  | -  | 2         | -  | -  | -  | 1  | -  | -  | -  | -         | -  | -  | 8  |     |  |  |  |  |
| 9         | -  | 1  | 9+ | -  | -  | 7  | 8  | -         | 7  | 9+ | 6  | -  | 9  | 9+ | 9  | 8         | 9  | 8  | 6  | 6  | 7  | 2  | -  | -         | 4  | 4  | -  | -  | -  | -  | -  | -         | -  | -  | 9  |     |  |  |  |  |
| 10        | -  | -  | 9+ | -  | -  | 6  | 7  | -         | 7  | 9+ | 2  | -  | 9  | 9  | 9  | 9         | 9  | 9+ | 8  | 9  | 8  | 9  | 8  | 1         | 9  | 8  | -  | -  | -  | -  | 2  | -         | -  | -  | 10 |     |  |  |  |  |
| 11        | -  | -  | 9+ | -  | -  | -  | 3  | -         | 4  | 9+ | -  | -  | 8  | 8  | 8  | 9         | 9+ | 9  | 8  | 9  | 9+ | 9  | 9  | 2         | 9  | 8  | -  | -  | -  | 1  | -  | 6         | 5  | -  | -  | 11  |  |  |  |  |
| 12        | -  | -  | 9+ | -  | -  | -  | -  | -         | 1* | 9+ | -  | -  | 7  | 6  | 5  | 8         | 9+ | 8  | 8  | 9  | 9+ | 9  | 9  | 9         | 9  | 8  | 7  | 6  | 3  | 5  | -  | 7         | 8  | -  | -  | 12  |  |  |  |  |
| 13        | -  | -  | 6  | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | -  | 1  | 4  | 7         | 9+ | 6  | 5  | 8  | 9  | 9  | 9  | 9         | 9  | 8  | 8  | 8  | 1  | 6  | 1  | 9         | 9  | -  | -  | 13  |  |  |  |  |
| 14        | -  | -  | 1  | -  | -  | -  | -  | -         | -  | 9  | -  | -  | -  | -  | 4  | 1         | 9+ | 6  | 3* | 5  | 9  | 9  | 9  | 9+        | 9  | 7  | 9  | 8  | 7  | 6  | -  | 9         | 9  | -  | -  | 14  |  |  |  |  |
| 15        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 8  | -  | -  | -  | -  | 5  | 1         | 9+ | 6  | 2  | 1  | 8  | 9  | 8  | 9+        | 9  | 8  | 9  | 9  | 8  | 8  | 1  | 9         | 9  | 2  | -  | 15  |  |  |  |  |
| 16        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 8  | -  | -  | -  | -  | 6  | 1         | 9+ | 8  | 4  | 6  | 7  | 9  | 8  | 9+        | 9  | 8  | 5  | 9  | 8  | 8  | 1  | 9         | 9  | -  | -  | 16  |  |  |  |  |
| 17        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 8  | -  | -  | -  | -  | 8  | 7         | 9+ | 9  | 7  | 6  | 7  | 9  | 9  | 9+        | 9  | 9  | 9  | 9  | 9  | 5  | 4  | 9         | 9  | -  | 1  | 17  |  |  |  |  |
| 18        | -  | -  | 2  | -  | -  | -  | -  | -         | -  | 9  | 1  | -  | -  | -  | 9  | 8         | 9+ | 9  | 9  | 7  | 8  | 9+ | 5  | 9+        | 9+ | 9+ | 9  | 9  | 9  | -  | 8  | 9+        | 4  | 1  | 3  | 18  |  |  |  |  |
| 19        | -  | -  | 8  | -  | -  | -  | -  | -         | -  | 9+ | 5  | -  | -  | -  | 9  | 9         | 9+ | 9+ | 9  | 5  | 9  | 9+ | 1  | 9+        | 9+ | 7  | 9  | 9  | 8  | -  | 9  | 9         | -  | 8  | 5  | 19  |  |  |  |  |
| 20        | -  | -  | 9+ | 1  | -  | -  | -  | 7         | 1  | 9+ | 8  | 6  | -  | 3  | 9+ | 9         | 9+ | 9+ | 9  | 5  | 9  | 9  | -  | 9+        | 9+ | 2  | 9  | 9+ | -  | -  | 8  | 8         | -  | 9  | 8  | 20  |  |  |  |  |
| 21        | -  | -  | 9+ | 6  | -  | -  | -  | 8         | 5  | 9+ | 9  | 7  | 5  | 5  | 9+ | 8         | 9+ | 9+ | 9+ | 8  | 9+ | 8  | 2  | 9+        | 9  | -  | 9  | 9+ | -  | -  | 7  | 4         | -  | 9  | 8  | 21  |  |  |  |  |
| 22        | 7  | -  | 9+ | 8  | 5  | -  | 3  | 9         | 6  | 9+ | 9  | 9  | 5  | 8  | 9+ | 9         | 9+ | 9+ | 9+ | 9+ | 9+ | 4  | 5  | 9+        | 9  | -  | 9  | 9+ | -  | -  | 8  | -         | -  | 9  | 8  | 22  |  |  |  |  |
| 23        | 8  | -  | 9+ | 8  | 5  | -  | 6  | 9         | 7  | 9+ | 9+ | 9  | 5  | 9  | 9  | 9         | 9+ | 9+ | 9+ | 9  | 9+ | -  | 7  | 9+        | 8  | 1  | 9  | 9+ | -  | -  | 8  | -         | -  | 9  | 6  | 23  |  |  |  |  |
|           | EU | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU | FE        | SA | AF | AS | OC | NA | EU | FE | SA        | AF | AS | OC | NA | EU | FE | SA | AF        | AS | OC | NA |     |  |  |  |  |

**Oct., Paraguay (Asuncion), for SSN = Very Low, Sigs in S-Units. By N6BV, ARRL.**

| 80 Meters |    |    |    |    |    |    |    | 40 Meters |    |    |    |    |    |    |    | 20 Meters |    |    |    |    |    |    |    | 15 Meters |    |    |    |    |    |    |    | 10 Meters |    |    |    |     |   |  |  |  |
|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|-----|---|--|--|--|
| UTC       | EU | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU | FE        | SA | AF | AS | OC | NA | EU | FE | SA        | AF | AS | OC | NA | EU | FE | SA | AF        | AS | OC | NA | UTC |   |  |  |  |
| 0         | 9  | -  | 9+ | 9  | 7  | -  | 8  | 9+        | 5  | 9+ | 9+ | 9  | -  | 9  | 5  | 9+        | 9+ | 9+ | 9+ | 9  | 9+ | -  | 9  | 9+        | 9  | 7  | 9  | 9+ | -  | 5  | 9  | -         | -  | 9  | 5  | 0   |   |  |  |  |
| 1         | 9  | -  | 9+ | 9  | 7  | -  | 9  | 9+        | 1  | 9+ | 9+ | 9  | -  | 9+ | 8  | 9+        | 9+ | 9+ | 9+ | 9  | 9+ | -  | 9+ | 9+        | 9  | 2* | 9+ | 9+ | -  | 5  | 9  | -         | -  | 9  | 4  | 1   |   |  |  |  |
| 2         | 9  | -  | 9+ | 9  | 5  | -  | 9  | 9+        | -  | 9+ | 9+ | 9  | 5  | 9+ | 9  | 9         | 9+ | 9+ | 9  | 9+ | 9+ | -  | 9+ | 9+        | 9  | 3  | 9+ | 8  | -  | 6  | 9  | -         | -  | 9  | -  | 2   |   |  |  |  |
| 3         | 9  | -  | 9+ | 9  | -  | -  | 9  | 9         | -  | 9+ | 9+ | 8  | 7  | 9+ | 9  | 9         | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | -  | 9+        | 9+ | 5  | 7  | 9+ | 1  | -  | 6  | 9         | -  | -  | 9  | -   | 3 |  |  |  |
| 4         | 9  | -  | 9+ | 9  | -  | 2  | 9  | 9         | -  | 9+ | 9+ | 7  | 8  | 9+ | 9  | 9         | 9+ | 9  | 9+ | 9+ | 9+ | -  | 9+ | 9         | 5* | 9  | 9+ | -  | -  | 5  | 9  | -         | 1  | 7  | -  | 4   |   |  |  |  |
| 5         | 8  | -  | 9+ | 9  | -  | 6  | 9  | 9         | -  | 9+ | 9+ | -  | 9  | 9+ | 8  | 9         | 9+ | 9+ | 9+ | 9+ | 9  | -  | 9+ | 9         | 5  | 9  | 9+ | -  | -  | 2  | 6  | -         | 1  | -  | -  | 5   |   |  |  |  |
| 6         | 6  | -  | 9+ | 9  | -  | 7  | 9  | 9         | 1  | 9+ | 9  | -  | 9  | 9+ | 9+ | 9+        | 9+ | 9  | 9  | 9+ | 8  | 1  | 7  | 9         | 7  | 7  | 7  | -  | -  | -  | 3  | -         | -  | -  | -  | 6   |   |  |  |  |
| 7         | -  | -  | 9+ | 8  | -  | 8  | 9  | 8         | 4  | 9+ | 9  | -  | 9  | 9+ | 9  | 9+        | 9+ | 9  | 8  | 9+ | 9  | -  | 4  | 9         | 1  | 1  | 8  | -  | -  | -  | 2  | -         | -  | -  | -  | 7   |   |  |  |  |
| 8         | -  | -  | 9+ | 1  | -  | 8  | 8  | 7         | 7  | 9+ | 9  | -  | 9  | 9+ | 8  | 9+        | 9  | 9  | 6  | 9+ | 9+ | -  | -  | 4         | 3  | -  | 2  | 1  | -  | -  | -  | -         | -  | -  | -  | 8   |   |  |  |  |
| 9         | -  | 1  | 9+ | -  | -  | 7  | 8  | 3         | 8  | 9+ | 5  | -  | 9  | 9+ | 9  | 8         | 9  | 9+ | 9  | 9+ | 8  | 7  | 8  | 1         | 9  | 8  | 4  | -  | -  | 1  | -  | 1         | 2  | -  | -  | 9   |   |  |  |  |
| 10        | -  | -  | 9+ | -  | -  | 3  | 6  | -         | 7  | 9+ | 2  | -  | 9  | 9  | 9  | 8         | 9+ | 9+ | 9  | 9  | 7  | 9  | 9  | 4         | 9  | 9  | 6  | -  | -  | 5  | -  | 6         | 5  | -  | -  | 10  |   |  |  |  |
| 11        | -  | -  | 9+ | -  | -  | -  | 1  | -         | 4  | 9+ | -  | -  | 8  | 8  | 7  | 8         | 9+ | 9  | 8  | 9+ | 9+ | 9+ | 9  | 9+        | 9  | 9  | 9+ | -  | 5  | 6  | -  | 8         | 8  | -  | -  | 11  |   |  |  |  |
| 12        | -  | -  | 9+ | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | 5  | 5  | 5  | 7         | 9+ | 8  | 8  | 9  | 9+ | 9  | 9  | 9+        | 9  | 9  | 9+ | 8  | 5  | 6  | 9  | 8         | 5  | 1  | -  | 12  |   |  |  |  |
| 13        | -  | -  | 5  | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | -  | 1  | 5  | 6         | 9+ | 7  | 3  | 9  | 9  | 9  | 9  | 9+        | 9  | 8  | 9+ | 9  | 2  | 7  | 9  | 8         | 6  | 2  | 1  | 13  |   |  |  |  |
| 14        | -  | -  | 1  | -  | -  | -  | -  | -         | -  | 9  | -  | -  | -  | -  | 4  | 1*        | 9+ | 7  | 1  | 4  | 9  | 9  | 9  | 8         | 9  | 8  | 9  | 9+ | 1  | 9  | 9  | 9         | 9  | 2  | 5  | 14  |   |  |  |  |
| 15        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 8  | -  | -  | -  | -  | 2  | 1         | 9+ | 6  | 2  | 5  | 7  | 9  | 9  | 9         | 9  | 8  | 9  | 9  | 3  | 9  | 8  | 9         | 9  | 6  | 3  | 15  |   |  |  |  |
| 16        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 8  | -  | -  | -  | -  | 4  | 1         | 9+ | 8  | 4  | 7  | 5  | 9  | 9  | 9         | 9  | 8  | 8  | 9  | 5  | 8  | 9  | 9         | 9  | 4  | 6  | 16  |   |  |  |  |
| 17        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 8  | -  | -  | -  | -  | 8  | 1         | 9+ | 9  | 7  | 4  | 6  | 9+ | 9  | 9+        | 9  | 9  | 9  | 9  | 9  | 5  | 9  | 9         | 9  | 4  | 7  | 17  |   |  |  |  |
| 18        | -  | -  | 2  | -  | -  | -  | -  | -         | -  | 9  | 1  | -  | -  | -  | 9  | 8         | 9+ | 9  | 8  | 8  | 8  | 9+ | 7  | 9+        | 9+ | 9+ | 8  | 9+ | 8  | 1  | 9  | 9+        | 7  | 9  | 8  | 18  |   |  |  |  |
| 19        | -  | -  | 7  | -  | -  | -  | -  | -         | -  | 9+ | 4  | -  | -  | -  | 9  | 9         | 9+ | 9+ | 9  | 8  | 9  | 9+ | 6  | 9+        | 9+ | 9+ | 8  | 9+ | 1  | -  | 9+ | 9+        | 2  | 9  | 8  | 19  |   |  |  |  |
| 20        | -  | -  | 9+ | 1  | -  | -  | -  | 7         | 1* | 9+ | 8  | 2  | -  | 2  | 9+ | 9+        | 9+ | 9+ | 9+ | 7  | 9+ | 5  | 2  | 9+        | 9+ | 9+ | 8  | 9+ | -  | -  | 9+ | 9         | -  | 9  | 8  | 20  |   |  |  |  |
| 21        | -  | -  | 9+ | 5  | -  | -  | -  | 8         | 5  | 9+ | 9  | 7  | 3  | 5  | 9  | 9         | 9+ | 9+ | 9+ | 8  | 9+ | 2  | 8  | 9+        | 9+ | 9  | 8  | 9+ | -  | -  | 9+ | 6         | -  | 9  | 9  | 21  |   |  |  |  |
| 22        | 7  | -  | 9+ | 7  | 2  | -  | 4  | 9         | 5  | 9+ | 9  | 8  | 3  | 8  | 9  | 9         | 9+ | 9+ | 9+ | 9  | 9+ | -  | 9  | 9+        | 9+ | 8  | 8  | 9+ | -  | 1  | 9+ | 2         | -  | 9  | 9  | 22  |   |  |  |  |
| 23        | 8  | -  | 9+ | 8  | 5  | -  | 6  | 9         | 6  | 9+ | 9+ | 9  | 1  | 9  | 8  | 9         | 9+ | 9+ | 9+ | 9  | 9+ | -  | 9  | 9+        | 9+ | 8  | 9+ | 9+ | -  | 4  | 9+ | -         | -  | 9  | 8  | 23  |   |  |  |  |
|           | EU | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU | FE        | SA | AF | AS | OC | NA | EU | FE | SA        | AF | AS | OC | NA | EU | FE | SA | AF        | AS | OC | NA |     |   |  |  |  |

**Nov., Paraguay (Asuncion), for SSN = Very Low, Sigs in S-Units. By N6BV, ARRL.**

| 80 Meters |    |    |    |    |    |    |    | 40 Meters |    |    |    |    |    |    |    | 20 Meters |    |    |    |    |    |    |    | 15 Meters |    |    |    |    |    |    |    | 10 Meters |    |    |    |     |   |  |  |  |
|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|-----|---|--|--|--|
| UTC       | EU | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU | FE        | SA | AF | AS | OC | NA | EU | FE | SA        | AF | AS | OC | NA | EU | FE | SA | AF        | AS | OC | NA | UTC |   |  |  |  |
| 0         | 9  | -  | 9+ | 8  | 7  | -  | 8  | 9+        | 5  | 9+ | 9+ | 9  | -  | 9  | 9  | 9+        | 9+ | 9+ | 9+ | 9  | 9+ | -  | 9  | 9+        | 9  | 9  | 4  | 9  | 9  | -  | 2  | 9+        | -  | -  | 8  | 1   | 0 |  |  |  |
| 1         | 9  | -  | 9+ | 9  | 7  | -  | 9  | 9+        | 1  | 9+ | 9+ | 9  | -  | 9+ | 9  | 9+        | 9+ | 9+ | 9+ | 9  | 9+ | -  | 9+ | 9+        | 8  | -  | 9+ | 6  | -  | 4  | 9  | -         | -  | 8  | -  | 1   |   |  |  |  |
| 2         | 9  | -  | 9+ | 8  | 5  | -  | 9  | 9+        | -  | 9+ | 9+ | 9  | 5  | 9+ | 9+ | 9         | 9+ | 9+ | 8  | 9+ | 9+ | -  | 9+ | 9+        | 5  | -  | 9+ | -  | -  | 6  | 9  | -         | -  | 8  | -  | 2   |   |  |  |  |
| 3         | 9  | -  | 9+ | 9  | 2  | -  | 9  | 9+        | -  | 9+ | 9+ | 8  | 7  | 9+ | 9+ | 9         | 9+ | 9+ | 9+ | 9+ | 9  | -  | 9  | 9+        | 2  | 6  | 9+ | -  | -  | 5  | 8  | -         | -  | 5  | -  | 3   |   |  |  |  |
| 4         | 9  | -  | 9+ | 9  | -  | 5  | 9  | 9+        | -  | 9+ | 9+ | 7  | 9  | 9+ | 9  | 9         | 9+ | 6  | 9+ | 9+ | 9  | -  | 9  | 9+        | 1  | 6  | 9  | -  | -  | 2  | 4  | -         | -  | 1  | -  | 4   |   |  |  |  |
| 5         | 8  | -  | 9+ | 8  | -  | 6  | 9  | 9         | -  | 9+ | 9+ | 2  | 9  | 9+ | 8  | 9+        | 9+ | 7  | 9+ | 9+ | 8  | -  | 5  | 9         | 3  | 6  | 9  | -  | -  | -  | -  | -         | -  | -  | -  | 5   |   |  |  |  |
| 6         | 7  | -  | 9+ | 8  | -  | 8  | 9  | 9         | 3  | 9+ | 9  | -  | 9  | 9+ | 8  | 9+        | 9+ | 9+ | 9  | 9+ | 9  | -  | 1  | 8         | 2  | 4  | 8  | -  | -  | -  | -  | -         | -  | -  | -  | 6   |   |  |  |  |
| 7         | 5  | -  | 9+ | 6  | -  | 8  | 8  | 9         | 6  | 9+ | 9  | -  | 9  | 9+ | 8  | 9+        | 9+ | 9  | 8  | 9+ | 9  | -  | 1  | 6         | 2  | -  | 6  | 1  | -  | -  | -  | -         | -  | -  | -  | 7   |   |  |  |  |
| 8         | -  | -  | 9+ | 3  | -  | 7  | 8  | 7         | 8  | 9+ | 8  | -  | 9  | 9+ | 9  | 8         | 9  | 9  | 7  | 9+ | 9  | 1  | 3  | 1         | 6  | 5  | 5  | -  | -  | -  | -  | -         | -  | -  | -  | 8   |   |  |  |  |
| 9         | -  | -  | 9+ | -  | -  | 7  | 8  | 4         | 8  | 9+ | 6  | -  | 9  | 9+ | 9+ | 8         | 9+ | 9+ | 9  | 9+ | 7  | 8  | 8  | 2         | 9  | 8  | 7  | -  | -  | 2  | -  | 2         | 4  | -  | -  | 9   |   |  |  |  |
| 10        | -  | -  | 9+ | -  | -  | -  | 6  | 1         | 7  | 9+ | 2  | -  | 8  | 9  | 9  | 8         | 9+ | 9+ | 9  | 9+ | 8  | 9  | 9  | 3         | 9  | 9  | 9  | -  | -  | 4  | -  | 3         | 2  | -  | -  | 10  |   |  |  |  |
| 11        | -  | -  | 9+ | -  | -  | -  | 1  | -         | 3  | 9+ | -  | -  | 7  | 8  | 8  | 8         | 9+ | 9  | 9  | 9+ | 9  | 9+ | 9  | 9+        | 9  | 9  | 9+ | -  | 2  | 5  | -  | 5         | 1  | 1  | -  | 11  |   |  |  |  |
| 12        | -  | -  | 9  | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | -  | 4  | 6  | 6*        | 9+ | 9  | 5  | 9+ | 9+ | 9  | 9  | 9+        | 9  | 9  | 9  | 8  | 3  | 4  | 9  | 2         | 1  | 1  | -  | 12  |   |  |  |  |
| 13        | -  | -  | 4  | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | -  | 1  | 5  | 5         | 9+ | 7  | 1  | 9  | 9  | 9  | 9  | 9+        | 9  | 9  | 9  | 9  | 1  | 5  | 9  | 5         | 2  | 1  | 4  | 13  |   |  |  |  |
| 14        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 9  | -  | -  | -  | -  | 1  | 1         | 9+ | 6  | 1  | 9  | 9  | 9  | 9  | 9+        | 9  | 8  | 9  | 9+ | 1  | 7  | 9  | 9         | 6  | 3  | 3  | 14  |   |  |  |  |
| 15        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 8  | -  | -  | -  | -  | 2  | 1         | 9+ | 6  | 1  | 7  | 7  | 9  | 8  | 9         | 9  | 8  | 9  | 9  | 1  | 6  | 8  | 9         | 9  | 6  | 8  | 15  |   |  |  |  |
| 16        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 8  | -  | -  | -  | -  | 4  | 1         | 9+ | 7  | 4  | 5  | 5  | 9  | 8  | 9         | 9  | 9  | 8  | 9  | 8  | 6  | 8  | 9         | 9  | 4  | 8  | 16  |   |  |  |  |
| 17        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 8  | -  | -  | -  | -  | 6  | 3         | 9+ | 8  | 7  | 3  | 6  | 9  | 8  | 9+        | 9  | 9  | 9  | 9  | 1  | 3  | 8  | 9+        | 7  | 5  | 8  | 17  |   |  |  |  |
| 18        | -  | -  | 1  | -  | -  | -  | -  | -         | -  | 9  | -  | -  | -  | -  | 9  | 8         | 9+ | 9  | 8  | 8  | 7  | 7  | 7  | 9+        | 9+ | 9  | 8  | 9  | -  | -  | 9  | 9         | 3  | 7  | 8  | 18  |   |  |  |  |
| 19        | -  | -  | 6  | -  | -  | -  | -  | -         | -  | 9+ | 3  | -  | -  | -  | 9+ | 9         | 9+ | 9  | 9  | 7  | 9  | 2  | 6  | 9+        | 9+ | 9  | 8  | 9  | -  | -  | 9+ | 9         | -  | 9  | 9  | 19  |   |  |  |  |
| 20        | -  | -  | 9  | 1  | -  | -  | -  | 6         | -  | 9+ | 7  | 2  | -  | 2  | 9+ | 9         | 9+ | 9+ | 9+ | 8  | 9+ | -  | 3  | 9+        | 9+ | 8  | 8  | 9  | -  | -  | 9+ | 9         | -  | 9  | 9  | 20  |   |  |  |  |
| 21        | -  | -  | 9+ | 3  | -  | -  | -  | 8         | 2  | 9+ | 8  | 7  | -  | 5  | 9  | 9         | 9+ | 9+ | 9+ | 8  | 9+ | -  | 5  | 9+        | 9+ | 7  | 8  | 9+ | -  | -  | 9+ | 9         | -  | 9  | 9  | 21  |   |  |  |  |
| 22        | 1  | -  | 9+ | 7  | -  | -  | 4  | 9         | 5  | 9+ | 9  | 8  | 2  | 8  | 9  | 9         | 9+ | 9+ | 9+ | 9  | 9+ | -  | 9  | 9+        | 9+ | 6  | 9  | 9+ | -  | 1  | 9+ | 7         | -  | 9  | 8  | 22  |   |  |  |  |
| 23        | 8  | -  | 9+ | 8  | 5  | -  | 7  | 9         | 6  | 9+ | 9+ | 9  | -  | 9  | 9  | 9         | 9+ | 9+ | 9+ | 9  | 9+ | -  | 9  | 9+        | 9+ | 7  | 9+ | 9+ | -  | 4  | 9+ | 3         | -  | 9  | 8  | 23  |   |  |  |  |
|           | EU | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU | FE        | SA | AF | AS | OC | NA | EU | FE | SA        | AF | AS | OC | NA | EU | FE | SA | AF        | AS | OC | NA |     |   |  |  |  |



**Dec., Paraguay (Asuncion), for SSN = Very Low, Sigs in S-Units. By N6BV, ARRL.**

| 80 Meters |    |    |    |    |    |    |    | 40 Meters |    |    |    |    |    |    |    | 20 Meters |    |    |    |    |    |    |    | 15 Meters |    |    |    |    |    |    |    | 10 Meters |    |    |    |     |   |  |  |  |
|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|-----------|----|----|----|-----|---|--|--|--|
| UTC       | EU | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU | FE        | SA | AF | AS | OC | NA | EU | FE | SA        | AF | AS | OC | NA | EU | FE | SA | AF        | AS | OC | NA | UTC |   |  |  |  |
| 0         | 9  | -  | 9+ | 9  | 6  | -  | 8  | 9+        | 5  | 9+ | 9+ | 9  | -  | 9  | 9  | 9+        | 9+ | 9+ | 9+ | 8  | 9+ | -  | 9+ | 9+        | 8  | 5  | 9+ | 8  | -  | -  | 9  | -         | -  | 7  | -  | 0   |   |  |  |  |
| 1         | 9  | -  | 9+ | 9  | 7  | -  | 9  | 9+        | 1  | 9+ | 9+ | 9  | -  | 9+ | 9  | 9+        | 9+ | 9+ | 9  | 9  | 9  | 9+ | -  | 9+        | 9  | 6  | 1* | 9  | 6  | -  | 5  | 8         | -  | -  | 4  | -   | 1 |  |  |  |
| 2         | 9  | -  | 9+ | 9  | 6  | -  | 9  | 9+        | -  | 9+ | 9+ | 8  | 5  | 9+ | 9  | 9+        | 9+ | 9+ | 9  | 6  | 9+ | 9+ | -  | 9+        | 9+ | -  | 1* | 9  | -  | -  | 1  | 3         | -  | -  | 1  | -   | 2 |  |  |  |
| 3         | 8  | -  | 9+ | 9  | 2  | -  | 9  | 9+        | -  | 9+ | 9+ | 8  | 7  | 9+ | 9  | 9+        | 9+ | 9  | 9  | 9  | 9+ | 9+ | -  | 9         | 9  | -  | 1  | 9  | -  | -  | -  | -         | -  | -  | -  | 3   |   |  |  |  |
| 4         | 8  | -  | 9+ | 9  | -  | 5  | 9  | 9+        | -  | 9+ | 9+ | 7  | 9  | 9+ | 9  | 9+        | 9+ | 7  | 9+ | 9+ | 9+ | 9+ | -  | 7         | 8  | 4  | 6  | 9  | -  | -  | -  | -         | -  | -  | -  | 4   |   |  |  |  |
| 5         | 9  | -  | 9+ | 9  | -  | 6  | 9  | 9+        | 2  | 9+ | 9+ | 2  | 9  | 9+ | 5  | 9+        | 9+ | 7  | 9+ | 9+ | 9  | 9  | -  | 5         | 6  | 5  | 3  | 9+ | -  | -  | -  | -         | -  | -  | -  | 5   |   |  |  |  |
| 6         | 8  | -  | 9+ | 9  | -  | 8  | 9  | 9         | 7  | 9+ | 9  | 1  | 9  | 9+ | 5  | 9         | 9+ | 9  | 9  | 9  | 9+ | 8  | -  | 5         | 2  | 6  | 2  | 8  | -  | -  | -  | -         | -  | 1  | -  | 6   |   |  |  |  |
| 7         | 5  | -  | 9+ | 8  | -  | 8  | 9  | 9         | 8  | 9+ | 9  | -  | 9+ | 9+ | 6  | 5         | 9+ | 9  | 7  | 9+ | 8  | 8  | -  | 2         | 1  | 4  | -  | 7  | -  | -  | -  | -         | -  | 1  | -  | 7   |   |  |  |  |
| 8         | 3  | 4  | 9+ | 4  | -  | 7  | 8  | 8         | 8  | 9+ | 8  | 1  | 9  | 9+ | 8  | 9         | 9+ | 9  | 7  | 9+ | 5  | 5  | -  | 4         | -  | 5  | -  | 6  | -  | -  | -  | -         | -  | -  | -  | 8   |   |  |  |  |
| 9         | -  | -  | 9+ | -  | -  | 7  | 8  | 4         | 8  | 9+ | 6  | 2  | 9  | 9  | 9  | 9         | 9+ | 9+ | 8  | 9+ | 2  | 7  | 7  | 1         | 7  | 6  | 8  | -  | -  | -  | 1  | 1         | 2  | -  | 9  |     |   |  |  |  |
| 10        | -  | -  | 9+ | -  | -  | -  | 6  | 2         | 7  | 9+ | 2  | -  | 8  | 9  | 9  | 9         | 9+ | 9+ | 9  | 9+ | 7  | 9  | 9  | 2         | 9  | 9  | 9  | -  | -  | 1  | -  | 1         | -  | 1  | -  | 10  |   |  |  |  |
| 11        | -  | -  | 9+ | -  | -  | -  | 1  | -         | -  | 9+ | -  | -  | 7  | 8  | 8  | 8         | 9+ | 9  | 9  | 9+ | 8  | 9+ | 9  | 8         | 9  | 8  | 9  | -  | -  | 3  | -  | 3         | -  | 3  | -  | 11  |   |  |  |  |
| 12        | -  | -  | 7  | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | -  | 5  | 7  | 5*        | 9+ | 8  | 1  | 9+ | 9+ | 9  | 9  | 9+        | 9  | 8  | 9+ | 4  | 1  | 2  | 8  | 3         | -  | 4  | -  | 12  |   |  |  |  |
| 13        | -  | -  | 2  | -  | -  | -  | -  | -         | -  | 9+ | -  | -  | -  | 1  | 5  | 4         | 9+ | 6  | 1  | 9  | 9  | 9  | 9  | 9+        | 9  | 8  | 9  | 9  | 1  | 3  | 9  | 5         | 2  | 2  | 2  | 13  |   |  |  |  |
| 14        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 9  | -  | -  | -  | -  | 1  | -         | 9+ | 6  | 1  | 8  | 9  | 9  | 9  | 9         | 9  | 8  | 9  | 9  | 6  | 5  | 8  | 9         | 5  | -  | 4  | 14  |   |  |  |  |
| 15        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 8  | -  | -  | -  | -  | 2  | 1         | 9+ | 5  | 1  | 6  | 7  | 9  | 8  | 9         | 9  | 8  | 6  | 9  | 6  | 4  | 9  | 9         | 8  | -  | 7  | 15  |   |  |  |  |
| 16        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 7  | -  | -  | -  | -  | 3  | 1         | 9+ | 6  | 3  | 5  | 5  | 9  | 8  | 9+        | 9  | 9  | 4  | 9  | 3  | 1  | 9  | 9         | 9  | -  | 5  | 16  |   |  |  |  |
| 17        | -  | -  | -  | -  | -  | -  | -  | -         | -  | 8  | -  | -  | -  | -  | 6  | 1         | 9+ | 8  | 6  | 3  | 6  | 9+ | 6  | 9+        | 9  | 9  | 9  | 9  | -  | -  | 9  | 9+        | 4  | -  | 6  | 17  |   |  |  |  |
| 18        | -  | -  | 1  | -  | -  | -  | -  | -         | -  | 9  | -  | -  | -  | -  | 9  | 8         | 9+ | 9  | 8  | 7  | 7  | 5  | 3  | 9+        | 9+ | 9  | 9  | 9  | -  | -  | 9  | 8         | -  | 8  | 4  | 18  |   |  |  |  |
| 19        | -  | -  | 5  | -  | -  | -  | -  | -         | -  | 9+ | 2  | -  | -  | -  | 9+ | 8         | 9+ | 9+ | 9  | 6  | 9  | -  | -  | 9+        | 9+ | 9  | 8  | 9  | -  | -  | 9+ | 9         | -  | 8  | 9  | 19  |   |  |  |  |
| 20        | -  | -  | 8  | -  | -  | -  | -  | 6         | -  | 9+ | 6  | -  | -  | 1  | 9+ | 9         | 9+ | 9+ | 9+ | 6  | 9+ | -  | -  | 9+        | 9+ | 8  | 8  | 9  | -  | -  | 9+ | 9         | -  | 9  | 8  | 20  |   |  |  |  |
| 21        | -  | -  | 9+ | 2  | -  | -  | -  | 8         | 1  | 9+ | 8  | 7  | -  | 5  | 9  | 9         | 9+ | 9+ | 9+ | 8  | 9+ | -  | 1  | 9+        | 9+ | 7  | 8  | 9+ | -  | -  | 9+ | 9         | -  | 9  | 8  | 21  |   |  |  |  |
| 22        | -  | -  | 9+ | 6  | -  | -  | 3  | 9         | 5  | 9+ | 9  | 8  | -  | 8  | 9  | 9         | 9+ | 9+ | 9+ | 9  | 9+ | -  | 8  | 9+        | 9  | 6  | 9  | 9+ | -  | -  | 9+ | 2         | -  | 9  | 7  | 22  |   |  |  |  |
| 23        | 8  | -  | 9+ | 8  | 5  | -  | 7  | 9         | 6  | 9+ | 9  | 8  | -  | 9  | 9  | 9+        | 9+ | 9+ | 9  | 9  | 9+ | -  | 9  | 9+        | 9  | 8  | 9  | 9+ | -  | -  | 9+ | 1         | -  | 9  | 6  | 23  |   |  |  |  |
|           | EU | FE | SA | AF | AS | OC | NA | EU        | FE | SA | AF | AS | OC | NA | EU | FE        | SA | AF | AS | OC | NA | EU | FE | SA        | AF | AS | OC | NA | EU | FE | SA | AF        | AS | OC | NA |     |   |  |  |  |