

Summary Propagation Tables for Panama (Panama)

| SSN Ultra High | SSN Very High | SSN High | SSN Medium | SSN Low | SSN Very Low |
|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| January | January | January | January | January | January |
| February | February | February | February | February | February |
| March | March | March | March | March | March |
| April | April | April | April | April | April |
| May | May | May | May | May | May |
| June | June | June | June | June | June |
| July | July | July | July | July | July |
| August | August | August | August | August | August |
| September | September | September | September | September | September |
| October | October | October | October | October | October |
| November | November | November | November | November | November |
| December | December | December | December | December | December |

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., Panama (Panama), for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

[illegible]

Feb., Panama (Panama), for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

[illegible]

Mar., Panama (Panama), for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

[illegible]

Apr., Panama (Panama), for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

[illegible]

Jun., Panama (Panama), for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

[illegible]

Jul., Panama (Panama), for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

[illegible]

Aug., Panama (Panama), for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

[illegible]

Oct., Panama (Panama), for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

[illegible]

Nov., Panama (Panama), for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

[illegible]

Dec., Panama (Panama), for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | 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+ | 7 | 1 | - | 9 | 9 | 1 | 9+ | 9 | 7 | - | 9+ | 9 | 8* | 9+ | 9+ | 9 | 5* | 9+ | - | 9 | 9+ | 9+ | 6* | 9 | 9+ | - | 9 | 9+ | 9 | 6* | 9 | 9+ | 0 |
| 1 | 8 | - | 9+ | 8 | 2 | - | 9 | 9 | - | 9+ | 9 | 8 | 1 | 9+ | 8 | 6 | 9+ | 9+ | 9 | 8 | 9+ | - | 9 | 9+ | 9+ | 8 | 9+ | 9+ | - | 9* | 9 | 9 | 6* | 9 | 9 | 1 |
| 2 | 8 | - | 9+ | 8 | 4 | - | 9+ | 9 | - | 9+ | 9 | 8 | 4 | 9+ | 9 | 7 | 9+ | 9+ | 9 | 9 | 9+ | - | 8 | 9+ | 9+ | 9 | 9+ | 9+ | - | 8 | 9 | 9 | 3* | 9 | 9 | 2 |
| 3 | 8 | - | 9+ | 8 | 1 | - | 9+ | 9 | - | 9+ | 9 | 7 | 7 | 9+ | 9 | 7 | 9+ | 9+ | 9 | 9+ | 9+ | 1* | 8 | 9+ | 9+ | 8 | 9+ | 9+ | - | 6 | 9 | 8 | 4* | 9 | 8 | 3 |
| 4 | 7 | - | 9+ | 8 | - | 2 | 9+ | 9 | - | 9+ | 9 | 5 | 8 | 9+ | 9+ | 7 | 9+ | 9+ | 9 | 9+ | 9+ | 2* | 6 | 9+ | 9+ | 6 | 9+ | 9+ | 3* | 5 | 7 | 5 | 4* | 9 | 5 | 4 |
| 5 | 8 | - | 9+ | 8 | - | 4 | 9+ | 9 | 1 | 9+ | 9 | 1 | 8 | 9+ | 9 | 8 | 9+ | 9+ | 8 | 9+ | 9+ | 1* | 4 | 9+ | 9 | 5 | 9+ | 9+ | 2* | 3* | 1 | 6 | 4* | 9 | 2* | 5 |
| 6 | 8 | - | 9+ | 8 | - | 7 | 9+ | 9 | 2 | 9+ | 9 | 1 | 8 | 9+ | 2 | 8 | 9+ | 9+ | 8 | 9+ | 9+ | 1* | 5 | 9 | 9 | 4 | 9+ | 6 | 2* | 3* | 1 | 7 | 3* | 9 | - | 6 |
| 7 | 8 | - | 9+ | 8 | - | 8 | 9+ | 9 | 5 | 9+ | 9 | 1 | 9 | 9+ | 9 | 8 | 9+ | 9 | 8 | 9+ | 9+ | 1* | 5 | 9 | 8 | 2 | 9+ | 5 | 3* | 2* | 1 | 5 | 2* | 9+ | - | 7 |
| 8 | 5 | 2 | 9+ | 5 | - | 8 | 9+ | 8 | 7 | 9+ | 8 | 2 | 9 | 9+ | 9 | 9 | 9+ | 7 | 8 | 9+ | 9+ | 2 | 6 | 9 | 4 | 2* | 9+ | 6 | 3* | 3* | 1 | 4* | 2* | 9 | - | 8 |
| 9 | - | 3 | 9+ | 1 | 3 | 8 | 9+ | 7 | 7 | 9+ | 6 | 3 | 9 | 9+ | 8 | 9 | 9+ | 8 | 8 | 9+ | 9+ | 2* | 5* | 5 | 1* | 4* | 9+ | 5 | 1* | 1* | 1 | 2* | 2* | 8 | - | 9 |
| 10 | - | 5 | 9+ | - | - | 8 | 9+ | 1 | 7 | 9+ | 2 | 3 | 9 | 9+ | 9 | 8 | 9+ | 9 | 8 | 9+ | 9+ | 7 | 5* | 7 | 7 | 5* | 9 | 3 | - | 1* | 2 | 2 | - | 1* | - | 10 |
| 11 | - | 1 | 9+ | - | - | 7 | 9+ | - | 7 | 9+ | - | 2 | 8 | 9+ | 9 | 8 | 9+ | 8 | 8 | 9 | 9+ | 9 | 7* | 9+ | 9 | 8 | 8 | 9 | 5 | 7* | 9 | 9 | 5 | 7* | 1 | 11 |
| 12 | - | - | 9+ | - | - | 1 | 9 | - | 5 | 9+ | - | 1 | 8 | 9+ | 7 | 8 | 9+ | 4 | 8 | 9 | 9+ | 9 | 8 | 9+ | 9 | 8 | 9 | 9+ | 9 | 8* | 9+ | 9 | 9 | 9* | 8 | 12 |
| 13 | - | - | 9+ | - | - | - | 2 | - | 2 | 9+ | - | - | 5 | 9 | 5 | 9 | 9+ | 2* | 7 | 9 | 9+ | 9 | 9 | 9+ | 8 | 8 | 9+ | 9+ | 9 | 9 | 9+ | 9 | 8 | 8* | 9+ | 13 |
| 14 | - | - | 8 | - | - | - | - | - | - | 9+ | - | - | 1 | 6 | 2 | 7 | 9+ | 1* | 4 | 8 | 9+ | 8 | 9 | 9+ | 8 | 7 | 9 | 9+ | 9 | 9+ | 9 | 8 | 7 | 8 | 9+ | 14 |
| 15 | - | - | 3 | - | - | - | - | - | - | 9+ | - | - | - | 1 | 1 | 3 | 9+ | 1 | 3 | 4 | 9+ | 7 | 8 | 9+ | 7 | 6 | 8 | 9+ | 9 | 8 | 9+ | 8 | 7 | 6* | 9+ | 15 |
| 16 | - | - | - | - | - | - | - | - | - | 9 | - | - | - | - | 1 | 1 | 9+ | - | 2 | 5 | 9 | 8 | 7 | 9+ | 7 | 5 | 8 | 9+ | 9 | 7 | 9+ | 9 | 6 | 6* | 9+ | 16 |
| 17 | - | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Jan., Panama (Panama), for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

[illegible]

Feb., Panama (Panama), for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

[illegible]

Mar., Panama (Panama), for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

[illegible]

Apr., Panama (Panama), for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

[illegible]

May, Panama (Panama), for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

[illegible]

Jun., Panama (Panama), for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

[illegible]

Jul., Panama (Panama), for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

[illegible]

Aug., Panama (Panama), for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

[illegible]

Sep., Panama (Panama), for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

[illegible]

Oct., Panama (Panama), for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

[illegible]

Nov., Panama (Panama), for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

[illegible]

Dec., Panama (Panama), for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

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

Jan., Panama (Panama), for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | 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 | 1 | - | 9+ | 9 | 1 | 9+ | 9 | 7 | - | 9+ | 7 | 8 | 9+ | 9+ | 9 | 7 | 9+ | - | 9* | 9+ | 9 | 3* | 9 | 9+ | - | 8 | 6* | 8 | - | 9 | 9 | 0 |
| 1 | 9 | - | 9+ | 8 | 5 | - | 9+ | 9 | - | 9+ | 9 | 8 | 1 | 9+ | 6 | 8* | 9+ | 9+ | 9 | 9 | 9+ | - | 9* | 9+ | 9 | 6 | 9 | 9+ | - | 6* | 6* | 6 | 5* | 9 | 6 | 1 |
| 2 | 9 | - | 9+ | 8 | 5 | - | 9+ | 9 | - | 9+ | 9 | 8 | 2 | 9+ | 6 | 7 | 9+ | 9+ | 8 | 9 | 9+ | - | 8* | 9+ | 9 | 5* | 9 | 9 | - | 8* | 2* | 2 | 6* | 9 | 5* | 2 |
| 3 | 9 | - | 9+ | 8 | 1 | 1 | 9+ | 9 | - | 9+ | 9 | 7 | 7 | 9+ | 7 | 8 | 9+ | 9+ | 8 | 9+ | 9+ | - | 7* | 9+ | 9 | 4* | 9 | 8 | - | 8* | 1 | - | 5* | 9 | 4* | 3 |
| 4 | 9 | - | 9+ | 8 | - | 2 | 9+ | 9 | - | 9+ | 9 | 5 | 8 | 9+ | 6 | 7 | 9+ | 9+ | 7 | 9+ | 9+ | 2* | 6* | 9 | 7 | 4* | 9+ | 7 | - | 6* | 1 | 3* | 5* | 9 | 1* | 4 |
| 5 | 9 | - | 9+ | 8 | - | 8 | 9+ | 9 | 1 | 9+ | 9 | 2 | 9 | 9+ | 1 | 8 | 9+ | 9+ | 8 | 9+ | 9+ | 2* | 4* | 8 | 9 | 2* | 9+ | 3 | 2* | 3* | 1 | 5* | 4* | 9 | - | 5 |
| 6 | 9 | - | 9+ | 8 | - | 8 | 9+ | 8 | 2 | 9+ | 9 | 2 | 9 | 9+ | - | 8 | 9+ | 9 | 8 | 9+ | 9+ | 1* | 2* | 6 | 8 | 1 | 9+ | 2 | 3* | - | 1 | 2 | 2* | 8 | - | 6 |
| 7 | 8 | - | 9+ | 8 | - | 8 | 9+ | 8 | 5 | 9+ | 9 | 1 | 9 | 9+ | 7 | 8 | 9+ | 8 | 7 | 9+ | 9+ | 2* | 2* | 2 | 3* | 2* | 9 | 2 | - | - | 1 | 1* | - | 5 | - | 7 |
| 8 | 6 | 2 | 9+ | 5 | - | 8 | 9+ | 8 | 6 | 9+ | 8 | 2 | 9 | 9+ | 8 | 9 | 9+ | 8 | 8 | 9+ | 9+ | 1* | 3 | 1 | 2* | 2* | 9 | 6 | - | - | 1 | - | - | 1 | - | 8 |
| 9 | 1 | 5 | 9+ | 1 | - | 8 | 9+ | 6 | 7 | 9+ | 7 | 2 | 9 | 9+ | 6 | 8 | 9 | 6 | 8 | 9+ | 9+ | - | 1 | 2 | - | 1* | 7 | 5 | - | - | 1 | - | - | - | - | 9 |
| 10 | - | 5 | 9+ | - | - | 8 | 9+ | 5 | 7 | 9+ | 3 | 5 | 9 | 9+ | 8 | 7 | 9 | 8 | 6 | 9 | 9 | - | - | 2 | 1 | - | - | 1 | - | - | 2 | - | - | - | - | 10 |
| 11 | - | 1 | 9+ | - | - | 8 | 9+ | 1 | 7 | 9+ | - | 4 | 8 | 9+ | 9 | 7 | 9+ | 8 | 8 | 8 | 9+ | 7 | 5* | 5 | 9 | 5 | 5* | 3 | - | 1* | 2 | 2 | - | - | - | 11 |
| 12 | - | - | 9+ | - | - | 5 | 9 | - | 6 | 9+ | - | 1 | 8 | 9+ | 8 | 8 | 9+ | 6 | 7 | 9 | 9+ | 9 | 8* | 9+ | 9 | 9 | 8* | 9 | 8 | 7* | 7 | 8 | 8 | 8* | - | 12 |
| 13 | - | - | 9+ | - | - | - | 5 | - | 2 | 9+ | - | - | 6 | 9 | 8 | 9 | 9+ | 4* | 5 | 9 | 9+ | 9 | 8 | 9+ | 9 | 7 | 8* | 9+ | 8 | 8* | 9+ | 9 | 8 | 5* | 9+ | 13 |
| 14 | - | - | 9 | - | - | - | - | - | - | 9+ | - | - | 2 | 8 | 5 | 8 | 9+ | 2* | 4 | 8 | 9+ | 9 | 9 | 9+ | 8 | 6* | 7* | 9+ | 8 | 7* | 9+ | 8 | 7 | 5* | 9 | 14 |
| 15 | - | - | 8 | - | - | - | - | - | - | 9+ | - | - | - | 4 | 3 | 5 | 9+ | 1 | 2 | 6 | 9+ | 9 | 8 | 9+ | 8 | 5 | 5* | 9+ | 8 | 8 | 9 | 9 | 6 | 5* | 9+ | 15 |
| 16 | - | - | 4 | - | - | - | - | - | - | 9+ | - | - | - | 1 | 3 | 1 | 9+ | 2 | 1 | 6 | 9+ | 9 | 7 | 9+ | 8 | 6 | 4* | 9+ | 8 | 6* | 8 | 9 | 5* | 4* | 9+ | 16 |
| 17 | - | - | 2 | - | - | - | - | - | - | 9+ | - | - | - | - | 5 | - | 9+ | 4 | 2 | 3 | 9 | 8 | 6* | 9+ | 9 | 5 | 8 | 9+ | 6 | 6* | 8 | 9 | 5* | 5 | 9+ | 17 |
| 18 | - | - | 1 | - | - | - | - | - | - | 9+ | - | - | - | - | 6 | - | 9+ | 6 | 3 | 1 | 9 | 8 | 6* | 9+ | 9 | 2* | 8 | 9+ | - | 6* | 8 | 9 | 4* | 8 | 9+ | 18 |
| 19 | - | - | 2 | - | 1 | - | - | - | - | 9+ | - | - | - | - | 7 | 1* | 9+ | 8 | 5 | 1* | 9 | 5 | 7* | 9+ | 9 | 2* | 8 | 9+ | - | 5* | 5 | 9 | 3* | 9 | 9+ | 19 |
| 20 | - | - | 7 | - | - | - | - | 1 | - | 9+ | 1 | - | - | 2 | 8 | 4* | 9+ | 9 | 6 | 3* | 9+ | - | 8* | 9+ | 9+ | 2* | 8 | 9+ | - | 2* | 6 | 9 | 2* | 8 | 9+ | 20 |
| 21 | - | - | 9+ | - | - | - | - | 4 | - | 9+ | 4 | 1 | - | 7 | 8 | 8* | 9+ | 9 | 7 | 6* | 9+ | 2 | 8* | 9+ | 9+ | 2* | 8 | 9+ | - | 1* | 8 | 9 | 1* | 8 | 9+ | 21 |
| 22 | 1 | - | 9+ | 1 | - | - | 5 | 8 | 1 | 9+ | 8 | 4 | - | 9 | 8 | 8* | 9+ | 9+ | 8 | 8 | 9+ | - | 8 | 9+ | 9+ | 2* | 8 | 9+ | - | 2 | 6* | 9 | - | 8 | 9+ | 22 |
| 23 | 6 | - | 9+ | 5 | 8 | - | 9 | 9 | 2 | 9+ | 9 | 7 | - | 9+ | 8 | 9* | 9+ | 9+ | 8 | 7* | 9+ | - | 8 | 9+ | 9+ | - | 9 | 9+ | - | 7 | 6* | 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., Panama (Panama), for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

[illegible]

Mar., Panama (Panama), for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

Apr., Panama (Panama), for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

May, Panama (Panama), for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

Jun., Panama (Panama), for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

Jul., Panama (Panama), for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

Aug., Panama (Panama), for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

[illegible]

Sep., Panama (Panama), for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | 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 | 1 | - | 9 | 9 | - | 9+ | 9 | 6 | - | 9+ | 9 | 8* | 9+ | 9+ | 9 | 6 | 9+ | 1 | 8 | 9+ | 9+ | 7 | 9 | 9+ | - | 8* | 8 | 9 | 7* | 9 | 9+ | 0 |
| 1 | 9 | - | 9+ | 8 | 5 | - | 9+ | 9 | - | 9+ | 9 | 7 | - | 9+ | 9 | 6* | 9+ | 9+ | 9 | 8 | 9+ | - | 9* | 9+ | 9+ | 8 | 9 | 9+ | - | 8 | 5* | 8 | 5* | 9 | 9 | 1 |
| 2 | 9 | - | 9+ | 9 | 1 | - | 9+ | 9 | - | 9+ | 9 | 7 | 3 | 9+ | 9 | 4 | 9+ | 9+ | 9 | 9 | 9+ | 1 | 8* | 9+ | 9+ | 8 | 9+ | 9+ | - | 9* | 6* | 7 | 4* | 9 | 7 | 2 |
| 3 | 9 | - | 9+ | 9 | - | - | 9+ | 9 | - | 9+ | 9 | 5 | 5 | 9+ | 9 | 5 | 9+ | 9+ | 9 | 9+ | 9+ | 2* | 6 | 9+ | 9+ | 6 | 9+ | 9+ | - | 8* | 5 | 4* | 5* | 9 | 2 | 3 |
| 4 | 9 | - | 9+ | 9 | - | 2 | 9+ | 9 | - | 9+ | 9 | 3 | 8 | 9+ | 9 | 6 | 9+ | 9+ | 9 | 9+ | 9+ | 2* | 6 | 9+ | 9+ | 8 | 9+ | 9 | 3* | 7* | 5 | 5* | 5* | 9 | - | 4 |
| 5 | 9 | - | 9+ | 8 | - | 5 | 9+ | 9 | - | 9+ | 9 | - | 8 | 9+ | 8 | 7 | 9+ | 9+ | 8 | 9+ | 9+ | 1* | 6 | 9+ | 9 | 7 | 9+ | 9 | 3* | 6* | 2 | 8 | 5* | 9 | - | 5 |
| 6 | 8 | - | 9+ | 8 | - | 8 | 9+ | 9 | - | 9+ | 9 | - | 9 | 9+ | 9 | 8 | 9+ | 9+ | 7 | 9+ | 9+ | 2* | 7 | 9+ | 8 | 3 | 9+ | 8 | 4* | 2* | 1 | 5 | 4* | 9 | - | 6 |
| 7 | 1 | - | 9+ | 6 | - | 8 | 9+ | 8 | 1 | 9+ | 9 | - | 9 | 9+ | 9 | 8 | 9+ | 9 | 7 | 9+ | 9+ | 7 | 8 | 8 | 8 | 3 | 9+ | 8 | 2* | 1* | 1 | 4* | 2* | 9 | - | 7 |
| 8 | - | - | 9+ | 2 | - | 9 | 9+ | 6 | 5 | 9+ | 8 | - | 9 | 9+ | 8 | 9 | 9+ | 9 | 8 | 9+ | 9+ | 4 | 8 | 4 | 5 | 3* | 9+ | 9 | 2* | 3 | 1 | 3* | 2* | 8 | - | 8 |
| 9 | - | 1 | 9+ | - | - | 9 | 9+ | 3 | 5 | 9+ | 6 | 1 | 9 | 9+ | 8 | 9 | 9+ | 8 | 7 | 9+ | 9+ | 4 | 8 | 5* | 5 | 2* | 9 | 6 | 1* | 1 | 1 | 1* | 1* | 6 | - | 9 |
| 10 | - | 4 | 9+ | - | - | 8 | 9+ | 1 | 5 | 9+ | 1 | 1 | 9 | 9+ | 8 | 9 | 9+ | 8 | 7 | 9 | 9+ | 7 | 5 | 3 | 8 | 4 | 7 | 3* | 1 | - | 1 | 2 | 1 | - | - | 10 |
| 11 | - | 1 | 9+ | - | - | 7 | 9+ | - | 7 | 9+ | - | 1 | 9 | 9+ | 8 | 9 | 9+ | 8 | 8 | 9 | 9+ | 9 | 5 | 8 | 9 | 7 | 7* | 9 | - | - | 1 | 2 | - | 1* | - | 11 |
| 12 | - | - | 9+ | - | - | 1 | 8 | - | 4 | 9+ | - | - | 8 | 9+ | 6 | 9 | 9+ | 4 | 7 | 9 | 9+ | 9 | 8 | 9+ | 9 | 8 | 7* | 9+ | 7 | 7* | 1 | 9 | 7 | 6* | 2 | 12 |
| 13 | - | - | 9+ | - | - | 9 | 2 | - | 1 | 9+ | - | - | 4 | 9 | 4 | 8 | 9+ | 3* | 6 | 9 | 9+ | 8 | 9 | 9+ | 7 | 7* | 9 | 9+ | 5 | 8 | 1 | 9 | 7 | 7* | 9 | 13 |
| 14 | - | - | 9 | - | - | 8 | - | - | - | 9+ | - | - | 1 | 7 | 2 | 6 | 9+ | 2* | 4 | 8 | 9+ | 8 | 9 | 9+ | 8 | 7* | 8 | 9+ | 5 | 9 | 1 | 8 | 8 | 7 | 9+ | 14 |
| 15 | - | - | 6 | - | - | 7 | - | - | - | 9+ | - | - | - | 3 | 2 | 3 | 9+ | 1 | 2 | 7 | 9+ | 8 | 8 | 9+ | 8 | 6 | 8 | 9+ | 5 | 9 | 5 | 9 | 8 | 5* | 9+ | 15 |
| 16 | - | - | 3 | - | - | 3 | - | - | - | 9+ | - | - | - | - | 2 | 1 | 9+ | 1 | 1 | 6 | 9+ | 8 | 8 | 9+ | 8 | 5* | 8 | 9+ | 5 | 8 | 9 | 9 | 7 | 6* | 9+ | 16 |
| 17 | - | - | 1 | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Oct., Panama (Panama), for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| 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 | 1 | - | 9 | 9 | - | 9+ | 9 | 7 | - | 9+ | 9 | 7* | 9+ | 9+ | 9 | 6 | 9+ | - | 9* | 9+ | 9+ | 7 | 9 | 9+ | - | 8 | 8 | 9 | 6* | 9 | 9+ | 0 |
| 1 | 9 | - | 9+ | 8 | 5 | - | 9+ | 9 | - | 9+ | 9 | 7 | - | 9+ | 9 | 7* | 9+ | 9+ | 9 | 8 | 9+ | - | 8* | 9+ | 9+ | 8 | 9+ | 9+ | - | 9* | 7 | 9 | 7* | 9 | 9+ | 1 |
| 2 | 9 | - | 9+ | 9 | 4 | - | 9+ | 9 | - | 9+ | 9 | 7 | 2 | 9+ | 9 | 5 | 9+ | 9+ | 9 | 9 | 9+ | 1* | 7 | 9+ | 9+ | 7 | 9+ | 9+ | - | 9* | 6* | 9 | 5* | 9 | 7 | 2 |
| 3 | 9 | - | 9+ | 9 | 1 | - | 9+ | 9 | - | 9+ | 9 | 7 | 6 | 9+ | 9 | 6 | 9+ | 9+ | 9 | 9+ | 9+ | 2* | 7 | 9+ | 9+ | 5 | 9+ | 9+ | 1* | 8* | 8 | 8 | 5* | 9 | 5* | 3 |
| 4 | 9 | - | 9+ | 8 | - | 2 | 9+ | 9 | - | 9+ | 9 | 4 | 8 | 9+ | 9 | 7 | 9+ | 9+ | 9 | 9+ | 9+ | 1* | 6 | 9+ | 9+ | 8 | 9+ | 9 | 4* | 8* | 9 | 6* | 5* | 9+ | 3* | 4 |
| 5 | 9 | - | 9+ | 8 | - | 6 | 9+ | 9 | - | 9+ | 9 | - | 8 | 9+ | 6 | 8 | 9+ | 9+ | 8 | 9+ | 9+ | 1* | 6 | 9+ | 9 | 8 | 9+ | 8 | 3* | 6* | 9 | 9 | 5* | 9+ | 1* | 5 |
| 6 | 8 | - | 9+ | 8 | - | 8 | 9+ | 9 | 1 | 9+ | 9 | - | 9 | 9+ | 8 | 8 | 9+ | 9 | 8 | 9+ | 9+ | 1* | 6 | 9+ | 9 | 5 | 9+ | 8 | 5* | 4* | 5 | 6 | 5* | 9 | - | 6 |
| 7 | 6 | - | 9+ | 7 | - | 8 | 9+ | 9 | 4 | 9+ | 9 | - | 9 | 9+ | 9 | 9 | 9+ | 9 | 8 | 9+ | 9+ | 6 | 5 | 9 | 8 | 2* | 9+ | 7 | 2* | 2* | 1 | 4* | 4* | 9 | - | 7 |
| 8 | 1 | 1 | 9+ | 3 | - | 9 | 9+ | 8 | 6 | 9+ | 8 | - | 9 | 9+ | 8 | 9 | 9+ | 8 | 8 | 9+ | 9+ | 2* | 8 | 3 | 1 | 2* | 9+ | 6 | 2* | 1* | 1 | 2* | 2* | 8 | - | 8 |
| 9 | - | 1 | 9+ | - | - | 9 | 9+ | 6 | 7 | 9+ | 6 | 1 | 9 | 9+ | 7 | 9 | 9 | 8 | 6 | 9+ | 9+ | 2* | 7 | 4* | 2* | 3* | 9 | 1 | 1* | - | 2 | 1* | 1* | 5 | - | 9 |
| 10 | - | 5 | 9+ | - | - | 8 | 9+ | 2 | 7 | 9+ | 2 | 1 | 9 | 9+ | 8 | 8 | 9+ | 8 | 5 | 9 | 9 | 6 | 2* | 2 | 8 | 3 | 6 | - | - | - | 2 | 2 | - | - | - | 10 |
| 11 | - | 1 | 9+ | - | - | 8 | 9+ | - | 7 | 9+ | - | 4 | 8 | 9+ | 8 | 8 | 9+ | 8 | 8 | 9 | 9+ | 9 | 7* | 9+ | 9 | 7 | 6* | 8 | 2 | 7* | 2 | 7 | 2 | 4* | - | 11 |
| 12 | - | - | 9+ | - | - | 3 | 9 | - | 4 | 9+ | - | - | 8 | 9+ | 6 | 9 | 9+ | 4 | 7 | 9 | 9+ | 9 | 9 | 9+ | 9 | 8 | 8 | 9+ | 9 | 8* | 9+ | 9 | 8 | 8* | 8 | 12 |
| 13 | - | - | 9+ | - | - | - | 3 | - | 1 | 9+ | - | - | 5 | 9 | 5 | 9 | 9+ | 3* | 7 | 9 | 9+ | 9 | 9 | 9+ | 8 | 7* | 9+ | 9+ | 8 | 8 | 9+ | 8 | 7 | 7* | 9+ | 13 |
| 14 | - | - | 9 | - | - | - | - | - | - | 9+ | - | - | 2 | 7 | 2 | 6 | 9+ | 2 | 5 | 8 | 9+ | 8 | 9 | 9+ | 8 | 6 | 8 | 9+ | 8 | 9 | 9+ | 8 | 7* | 6* | 9+ | 14 |
| 15 | - | - | 7 | - | - | - | - | - | - | 9+ | - | - | - | 3 | 2 | 4 | 9+ | 1 | 2 | 7 | 9+ | 8 | 8 | 9+ | 7 | 5 | 7 | 9+ | 8 | 9 | 9+ | 9 | 7 | 6* | 9+ | 15 |
| 16 | - | - | 3 | - | - | - | - | - | - | 9+ | - | - | - | 1 | 4 | 1 | 9+ | 1 | 1 | 5 | 9+ | 8 | 7 | 9+ | 8 | 5 | 9 | 9+ | 8 | 8 | 9+ | 9 | 7 | 5* | 9+ | 16 |
| 17 | - | - | 1 | - | - | - | - | -</ | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Nov., Panama (Panama), for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | 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 | 2 | - | 9 | 9 | - | 9+ | 9 | 7 | - | 9+ | 8 | 8 | 9+ | 9+ | 9 | 6* | 9+ | - | 9 | 9+ | 9+ | 5* | 9 | 9+ | - | 8* | 6 | 9 | 5* | 9 | 9+ | 0 |
| 1 | 9 | - | 9+ | 8 | 5 | - | 9 | 9 | - | 9+ | 9 | 8 | 1 | 9+ | 7 | 6 | 9+ | 9+ | 9 | 9 | 9+ | - | 9* | 9+ | 9 | 8 | 9 | 9+ | - | 8 | 5* | 9 | 5* | 9 | 8 | 1 |
| 2 | 9 | - | 9+ | 8 | 4 | - | 9+ | 9 | - | 9+ | 9 | 7 | 2 | 9+ | 8 | 6 | 9+ | 9+ | 9 | 9 | 9+ | - | 8* | 9+ | 9 | 6 | 9 | 9+ | - | 9* | 5* | 9 | 5* | 9 | 6* | 2 |
| 3 | 9 | - | 9+ | 8 | 1 | - | 9+ | 9 | - | 9+ | 9 | 7 | 7 | 9+ | 9 | 7 | 9+ | 9+ | 8 | 9+ | 9+ | 2* | 8* | 9+ | 8 | 4 | 9 | 9+ | - | 8* | 3* | 8 | 5* | 9 | 5* | 3 |
| 4 | 9 | - | 9+ | 8 | - | 2 | 9+ | 9 | - | 9+ | 9 | 5 | 8 | 9+ | 8 | 8 | 9+ | 9+ | 9 | 9+ | 9+ | 2* | 5 | 9+ | 9 | 3 | 9+ | 8 | 3* | 8* | 2* | 5* | 5* | 9+ | 3* | 4 |
| 5 | 9 | - | 9+ | 8 | - | 7 | 9+ | 9 | 1 | 9+ | 9 | 1 | 9 | 9+ | 1 | 8 | 9+ | 9 | 8 | 9+ | 9+ | 2* | 4 | 9+ | 9 | 3 | 9+ | 5 | 3* | 5* | 1 | 5* | 5* | 9+ | - | 5 |
| 6 | 9 | - | 9+ | 8 | - | 8 | 9+ | 9 | 1 | 9+ | 9 | 1 | 9 | 9+ | 4 | 8 | 9+ | 9 | 8 | 9+ | 9+ | 1* | 3* | 9+ | 9 | 1 | 9+ | 5 | 5* | 3* | 1 | 4* | 4* | 9 | - | 6 |
| 7 | 8 | - | 9+ | 8 | - | 8 | 9+ | 9 | 5 | 9+ | 9 | 1 | 9 | 9+ | 9 | 8 | 9+ | 8 | 8 | 9+ | 9+ | 4 | 5* | 9 | 5 | 2* | 9+ | 5 | 2* | 2* | 1 | 4* | 4* | 9 | - | 7 |
| 8 | 5 | 2 | 9+ | 4 | - | 8 | 9+ | 8 | 7 | 9+ | 8 | 1 | 9 | 9+ | 8 | 9 | 9+ | 8 | 8 | 9+ | 9+ | 2* | 5* | 5 | 1* | 2* | 9 | 5 | 1* | 2* | 1 | 2* | 2* | 8 | - | 8 |
| 9 | - | 5 | 9+ | 1 | - | 9 | 9+ | 7 | 7 | 9+ | 6 | 2 | 9 | 9+ | 7 | 9 | 9 | 8 | 8 | 9+ | 9+ | 2* | 4* | 3* | 2* | 3* | 9 | 2 | - | - | 2 | 1* | 1* | 5 | - | 9 |
| 10 | - | 5 | 9+ | - | - | 8 | 9+ | 3 | 7 | 9+ | 2 | 3 | 9 | 9+ | 8 | 8 | 9+ | 9 | 7 | 9 | 9 | 5 | 5* | 3 | 7 | 3* | 8 | - | - | - | 2 | 1 | - | 1 | - | 10 |
| 11 | - | 1 | 9+ | - | - | 8 | 9+ | - | 6 | 9+ | - | 4 | 8 | 9+ | 9 | 8 | 9+ | 8 | 9 | 9 | 9+ | 9 | 7* | 9+ | 9 | 7 | 8 | 8 | - | 7* | 2 | 8 | 4* | 4* | - | 11 |
| 12 | - | - | 9+ | - | - | 5 | 9 | - | 4 | 9+ | - | 1 | 8 | 9+ | 7 | 9 | 9+ | 5 | 7 | 9 | 9+ | 9 | 8 | 9+ | 9 | 8 | 9 | 9+ | 9 | 8* | 9+ | 9 | 8 | 8* | 6 | 12 |
| 13 | - | - | 9+ | - | - | - | 4 | - | 1 | 9+ | - | - | 5 | 9 | 6 | 9 | 9+ | 3* | 6 | 9 | 9+ | 9 | 9 | 9+ | 8 | 7 | 9 | 9+ | 9 | 8* | 9+ | 9 | 8* | 7* | 9 | 13 |
| 14 | - | - | 9 | - | - | - | - | - | - | 9+ | - | - | 2 | 7 | 4 | 7 | 9+ | 2* | 2 | 8 | 9+ | 8 | 9 | 9+ | 8 | 6 | 8 | 9+ | 9 | 9 | 9+ | 8 | 7 | 6* | 9+ | 14 |
| 15 | - | - | 7 | - | - | - | - | - | - | 9+ | - | - | - | 3 | 3 | 4 | 9+ | 1 | 2 | 7 | 9+ | 8 | 8 | 9+ | 8 | 5 | 8 | 9+ | 8 | 8 | 9+ | 8 | 7 | 5* | 9+ | 15 |
| 16 | - | - | 4 | - | - | - | - | - | - | 9+ | - | - | - | 1 | 3 | 1 | 9+ | 2 | 1 | 6 | 9+ | 8 | 7 | 9+ | 8 | 5 | 8 | 9+ | 9 | 8 | 9+ | 9 | 5 | 5* | 9+ | 16 |
| 17 | - | - | 1 | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Dec., Panama (Panama), for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | 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 | 2 | - | 9 | 9 | 1 | 9+ | 9 | 7 | - | 9+ | 8 | 8 | 9+ | 9+ | 9 | 7 | 9+ | - | 9* | 9+ | 9 | 5* | 9 | 9+ | - | 7 | 5* | 9 | - | 8 | 9 | 0 |
| 1 | 9 | - | 9+ | 8 | 5 | - | 9 | 9 | - | 9+ | 9 | 8 | 1 | 9+ | 7 | 8* | 9+ | 9+ | 9 | 9 | 9+ | - | 9* | 9 | 6 | 5* | 9 | 9+ | - | 8* | 6* | 8 | 5* | 9 | 7 | 1 |
| 2 | 8 | - | 9+ | 8 | 5 | - | 9+ | 9 | - | 9+ | 9 | 8 | 3 | 9+ | 8 | 8 | 9+ | 9+ | 8 | 9 | 9+ | - | 8* | 8 | 9 | 7 | 9 | 9 | - | 8* | 4* | 5 | 5* | 9 | 5* | 2 |
| 3 | 8 | - | 9+ | 8 | 3 | 1 | 9+ | 9 | 1 | 9+ | 9 | 7 | 7 | 9+ | 9 | 8 | 9+ | 9+ | 8 | 9+ | 9+ | - | 6* | 8 | 9 | 4* | 9 | 9 | - | 8* | 1 | 1 | 5* | 9 | 4* | 3 |
| 4 | 8 | - | 9+ | 8 | - | 5 | 9+ | 9 | 1 | 9+ | 9 | 5 | 8 | 9+ | 8 | 8 | 9+ | 9 | 9 | 9+ | 9+ | 3* | 5 | 8 | 8 | 2* | 9+ | 9 | - | 7* | 1 | 3 | 5* | 9 | 1* | 4 |
| 5 | 9 | - | 9+ | 8 | - | 8 | 9+ | 9 | 2 | 9+ | 9 | 3 | 9 | 9+ | 4 | 8 | 9+ | 9 | 8 | 9+ | 9+ | 2* | 4 | 3 | 9 | 2* | 9+ | 5 | - | 3* | 1 | 6 | 4* | 9 | - | 5 |
| 6 | 9 | - | 9+ | 8 | - | 8 | 9+ | 9 | 4 | 9+ | 9 | 3 | 9 | 9+ | 1 | 8 | 9+ | 9 | 8 | 9+ | 9+ | 1* | 2 | 4 | 8 | 1 | 9+ | 3 | 3* | - | 1 | 2* | 2* | 9 | - | 6 |
| 7 | 8 | 1 | 9+ | 8 | - | 8 | 9+ | 9 | 7 | 9+ | 9 | 3 | 9 | 9+ | 8 | 8 | 9+ | 8 | 8 | 9+ | 9+ | 2* | 2* | 5 | 4 | 2* | 9+ | 2 | 1* | - | 1 | 2* | 1* | 8 | - | 7 |
| 8 | 7 | 5 | 9+ | 5 | - | 9 | 9+ | 9 | 7 | 9+ | 8 | 4 | 9 | 9+ | 9 | 9 | 9+ | 7 | 8 | 9+ | 9+ | 1* | 2 | 2 | 2* | 2 | 9 | 5 | - | - | 1 | 1* | - | 6 | - | 8 |
| 9 | 1 | 6 | 9+ | 1 | - | 9 | 9+ | 8 | 8 | 9+ | 7 | 4 | 9 | 9+ | 7 | 9 | 9+ | 7 | 8 | 9+ | 9+ | - | 1 | 2 | 1* | 1 | 9 | 5 | - | - | 2 | - | - | - | - | 9 |
| 10 | - | 6 | 9+ | - | - | 8 | 9+ | 4 | 8 | 9+ | 2 | 5 | 9 | 9+ | 8 | 8 | 9+ | 9 | 8 | 9 | 9+ | 2 | 1* | 2 | 5 | 1 | 1* | 1 | - | - | 2 | - | - | - | - | 10 |
| 11 | - | 4 | 9+ | - | - | 8 | 9+ | 1 | 7 | 9+ | - | 4 | 9 | 9+ | 9 | 8 | 9+ | 9 | 8 | 9 | 9+ | 8 | 5* | 9+ | 9 | 7 | 6* | 7 | - | 5* | 2 | 6 | - | 3* | - | 11 |
| 12 | - | - | 9+ | - | - | 5 | 9 | - | 6 | 9+ | - | 2 | 8 | 9+ | 8 | 9 | 9+ | 6 | 7 | 9 | 9+ | 9 | 8 | 9+ | 9 | 9 | 8* | 9+ | 8 | 7* | 3 | 8 | 8 | 6* | - | 12 |
| 13 | - | - | 9+ | - | - | - | 5 | - | 2 | 9+ | - | - | 7 | 9 | 7 | 9 | 9+ | 3 | 6 | 9 | 9+ | 9 | 8 | 9+ | 9 | 8 | 9 | 9+ | 9 | 8* | 9+ | 9 | 8 | 8* | 9+ | 13 |
| 14 | - | - | 9 | - | - | - | - | - | - | 9+ | - | - | 2 | 8 | 5 | 7 | 9+ | 2 | 5 | 8 | 9+ | 9 | 9 | 9+ | 8 | 6 | 7* | 9+ | 9 | 8 | 9+ | 8 | 7 | 7* | 9+ | 14 |
| 15 | - | - | 8 | - | - | - | - | - | - | 9+ | - | - | - | 4 | 4 | 5 | 9+ | 2 | 2 | 7 | 9+ | 9 | 8 | 9+ | 8 | 5 | 6* | 9+ | 9 | 7* | 9+ | 9 | 6 | 6* | 9+ | 15 |
| 16 | - | - | 5 | - | - | - | - | - | - | 9+ | - | - | - | 1 | 4 | 2 | 9+ | 2 | 1 | 6 | 9+ | 9 | 7 | 9+ | 9 | 6 | 6 | 9+ | 9 | 7* | 8 | 9 | 5* | 6* | 9+ | 16 |
| 17 | - | - | 2 | - | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Jan., Panama (Panama), for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | 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 | 1 | - | 9+ | 9 | 1 | 9+ | 9 | 7 | - | 9+ | 6 | 8* | 9+ | 9 | 8 | 7 | 9+ | - | 8 | 9+ | 2 | - | 9 | 9+ | - | 6* | 2* | 4 | - | 9 | 4* | 0 |
| 1 | 9 | - | 9+ | 9 | 5 | - | 9+ | 9 | - | 9+ | 9 | 8 | 1 | 9+ | 5 | 7 | 9+ | 9 | 8 | 9 | 9+ | - | 8* | 8 | 9 | 6* | 9 | 8 | - | 5* | 1 | - | - | 9 | 4* | 1 |
| 2 | 9 | - | 9+ | 8 | 5 | - | 9+ | 9 | - | 9+ | 9 | 7 | 2 | 9+ | 6 | 8 | 9+ | 9 | 7 | 9 | 9+ | - | 9* | 7 | 8 | 6* | 9 | 5 | - | 4* | 1 | - | 3* | 8 | 4* | 2 |
| 3 | 9 | - | 9+ | 8 | 2 | 1 | 9+ | 9 | - | 9+ | 9 | 7 | 7 | 9+ | 8 | 7 | 9+ | 9 | 7 | 9 | 9+ | - | 8* | 6 | 6 | 5* | 9 | 4* | - | 3* | 1 | - | 2* | 8 | 1* | 3 |
| 4 | 9 | - | 9+ | 8 | - | 5 | 9+ | 9 | 1 | 9+ | 9 | 5 | 9 | 9+ | 6 | 6 | 9+ | 9 | 7 | 9 | 9+ | 1* | 6* | 3 | 5 | 3* | 9 | 2* | - | 2* | 1 | 1* | 4* | 8 | - | 4 |
| 5 | 9 | - | 9+ | 8 | - | 8 | 9+ | 9 | 1 | 9+ | 9 | 3 | 9 | 9+ | 1 | 7 | 9+ | 9 | 8 | 9+ | 9+ | 4* | 2* | 1 | 7 | 2* | 9 | 1 | - | 1* | 1 | 2* | 2* | 7 | - | 5 |
| 6 | 9 | - | 9+ | 8 | - | 8 | 9+ | 8 | 4 | 9+ | 9 | 1 | 9 | 9+ | - | 7 | 9+ | 9 | 7 | 9+ | 9+ | 2* | 1* | 1 | 2 | 2* | 9 | 1 | - | - | 1 | - | - | 2 | - | 6 |
| 7 | 8 | 1 | 9+ | 8 | - | 9 | 9+ | 8 | 5 | 9+ | 8 | 2 | 9 | 9+ | 6 | 8 | 9+ | 8 | 7 | 9+ | 9+ | 1* | 1* | 1 | 4 | 1 | 8 | 2 | - | - | 1 | - | - | - | - | 7 |
| 8 | 6 | 2 | 9+ | 5 | - | 9 | 9+ | 8 | 7 | 9+ | 8 | 2 | 9 | 9+ | 8 | 8 | 9 | 6 | 8 | 9+ | 9+ | 1* | 2 | 1 | 1* | 1 | 7 | 5 | - | - | 1 | - | - | - | - | 8 |
| 9 | 1 | 6 | 9+ | 1 | - | 9 | 9+ | 7 | 7 | 9+ | 7 | 4 | 9 | 9+ | 7 | 8 | 9 | 7 | 7 | 9 | 9+ | - | 2 | 2 | - | - | 3 | 5 | - | - | 1 | - | - | - | - | 9 |
| 10 | - | 6 | 9+ | - | - | 8 | 9+ | 5 | 7 | 9+ | 4 | 4 | 9 | 9+ | 7 | 8 | 9 | 8 | 7 | 8 | 9 | - | - | 2 | 1 | - | - | 1 | - | - | 2 | - | - | - | - | 10 |
| 11 | - | 3 | 9+ | - | - | 8 | 9+ | 1 | 7 | 9+ | - | 5 | 8 | 9+ | 9 | 5 | 9+ | 9 | 7 | 6 | 9+ | 4 | 5* | 2 | 9 | 2 | 4* | 2 | - | - | 2 | - | - | - | - | 11 |
| 12 | - | 1 | 9+ | - | - | 6 | 9 | - | 6 | 9+ | - | 1 | 8 | 9+ | 8 | 8 | 9+ | 7 | 7 | 9 | 9+ | 9 | 8* | 9+ | 9 | 8 | 8* | 8 | 5 | 8* | 2 | 9 | 5 | 5* | - | 12 |
| 13 | - | - | 9+ | - | - | 9 | 6 | - | 2 | 9+ | - | - | 7 | 9 | 7 | 9 | 9+ | 4 | 8 | 9 | 9+ | 9 | 8* | 9+ | 8 | 7* | 8* | 9+ | 7 | 7* | 8 | 8 | 7 | 7* | 8 | 13 |
| 14 | - | - | 9+ | - | - | 9 | 1 | - | 1 | 9+ | - | - | 4 | 8 | 6 | 8 | 9+ | 3* | 4 | 8 | 9+ | 9 | 9 | 9+ | 9 | 6 | 7* | 9+ | 7 | 5* | 9 | 9 | 5 | 1* | 9+ | 14 |
| 15 | - | - | 9 | - | - | 7 | - | - | - | 9+ | - | - | - | 5 | 5 | 6 | 9+ | 2 | 2 | 5 | 9+ | 8 | 8 | 9+ | 9 | 6 | 5* | 9+ | 7 | 5* | 7 | 8 | 6* | 4* | 9+ | 15 |
| 16 | - | - | 7 | - | - | - | - | - | - | 9+ | - | - | - | 2 | 4 | 3 | 9+ | 5 | 1 | 7 | 9+ | 8 | 6 | 9+ | 8 | 5 | 5* | 9+ | 5 | 5* | 3 | 8 | 5* | 2* | 9+ | 16 |
| 17 | - | - | 4 | - | - | - | - | - | - | 9+ | - | -</ | | | | | | | | | | | | | | | | | | | | | | | | |

Feb., Panama (Panama), for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | 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 | 7 | - | 9+ | 8 | 1 | - | 9+ | 9 | - | 9+ | 9 | 7 | - | 9+ | 8 | 8* | 9+ | 9+ | 9 | 7 | 9+ | - | 8 | 9+ | 9 | 2* | 9 | 9+ | - | 7 | 5* | 9 | - | 9 | 9 | 0 |
| 1 | 8 | - | 9+ | 9 | 5 | - | 9+ | 9 | - | 9+ | 9 | 8 | 1 | 9+ | 7 | 7* | 9+ | 9+ | 8 | 8 | 9+ | - | 8* | 9+ | 9 | 6 | 9 | 9+ | - | 6* | 4* | 5 | 3* | 9 | 5* | 1 |
| 2 | 9 | - | 9+ | 8 | 5 | - | 9+ | 9 | - | 9+ | 9 | 8 | 2 | 9+ | 8 | 6 | 9+ | 9+ | 8 | 9 | 9+ | - | 9* | 9+ | 9 | 6* | 9 | 8 | - | 8* | 2* | 1 | 5* | 9 | 5* | 2 |
| 3 | 9 | - | 9+ | 9 | 1 | - | 9+ | 9 | - | 9+ | 9 | 8 | 6 | 9+ | 9 | 6 | 9+ | 9+ | 8 | 9 | 9+ | - | 8* | 9+ | 8 | 5* | 9 | 4 | - | 7* | 1 | - | 5* | 9 | 3* | 3 |
| 4 | 9 | - | 9+ | 8 | - | 4 | 9+ | 9 | - | 9+ | 9 | 5 | 8 | 9+ | 8 | 6 | 9+ | 9+ | 8 | 9 | 9+ | 3* | 6* | 9+ | 5 | 4* | 9+ | 5 | - | 5* | 1 | 3* | 5* | 9 | - | 4 |
| 5 | 9 | - | 9+ | 8 | - | 8 | 9+ | 9 | 1 | 9+ | 9 | 2 | 9 | 9+ | 3 | 7 | 9+ | 9 | 8 | 9+ | 9+ | 2* | 5* | 9+ | 8 | 3* | 9+ | 2 | 2* | 3* | 2 | 5* | 4* | 9 | - | 5 |
| 6 | 9 | - | 9+ | 8 | - | 8 | 9+ | 8 | 1 | 9+ | 9 | 1 | 9 | 9+ | 1 | 7 | 9+ | 9 | 7 | 9+ | 9+ | 1* | 3* | 9 | 5 | 2 | 9 | 2 | 2* | 1* | 1 | 2* | 2* | 7 | - | 6 |
| 7 | 8 | - | 9+ | 8 | - | 9 | 9+ | 9 | 4 | 9+ | 9 | 1 | 9 | 9+ | 8 | 8 | 9+ | 9 | 7 | 9+ | 9+ | 2* | 3* | 6 | 5 | 2* | 9 | 4 | - | - | 1 | 1* | - | 3 | - | 7 |
| 8 | 5 | 1 | 9+ | 5 | - | 8 | 9+ | 8 | 7 | 9+ | 8 | 1 | 9 | 9+ | 8 | 9 | 9+ | 8 | 8 | 9+ | 9+ | 1* | 4 | 1 | 2* | 2* | 9 | 7 | - | - | 1 | 1* | - | 3 | - | 8 |
| 9 | - | 5 | 9+ | 1 | - | 9 | 9+ | 7 | 7 | 9+ | 6 | 2 | 9 | 9+ | 7 | 9 | 9 | 8 | 8 | 9 | 9+ | 1* | 4 | 2 | 1* | 1* | 8 | 6 | - | - | 1 | - | - | - | - | 9 |
| 10 | - | 5 | 9+ | - | - | 8 | 9+ | 3 | 7 | 9+ | 3 | 3 | 9 | 9+ | 8 | 8 | 9+ | 7 | 7 | 9 | 9 | 1 | 1 | 2 | 1 | - | 1 | 1 | - | - | 2 | - | - | - | - | 10 |
| 11 | - | 2 | 9+ | - | - | 8 | 9+ | 1 | 6 | 9+ | - | 2 | 8 | 9+ | 9 | 6 | 9+ | 9 | 7 | 6 | 9+ | 5 | 4* | 2 | 8 | 3 | 3* | 2 | - | - | 2 | - | - | - | - | 11 |
| 12 | - | - | 9+ | - | - | 5 | 9 | - | 5 | 9+ | - | 2 | 8 | 9+ | 8 | 8 | 9+ | 6 | 7 | 9 | 9+ | 9 | 8* | 9+ | 9 | 8 | 8* | 8 | 5 | 8* | 1 | 8 | 5 | 5* | - | 12 |
| 13 | - | - | 9+ | - | - | 9 | 6 | - | 2 | 9+ | - | - | 7 | 9 | 7 | 8 | 9+ | 4* | 5 | 8 | 9+ | 9 | 8 | 9+ | 9 | 7 | 8* | 9+ | 7 | 8* | 7 | 8 | 8 | 7* | 8 | 13 |
| 14 | - | - | 9+ | - | - | 9 | - | - | - | 9+ | - | - | 4 | 8 | 4 | 8 | 9+ | 3* | 4 | 8 | 9+ | 8 | 9 | 9+ | 9 | 6* | 7* | 9+ | 7 | 8* | 9 | 9 | 8 | 6* | 9+ | 14 |
| 15 | - | - | 9 | - | - | - | - | - | - | 9+ | - | - | - | 5 | 4 | 6 | 9+ | 1 | 2 | 5 | 9+ | 8 | 8 | 9+ | 8 | 6* | 5* | 9+ | 7 | 9 | 9 | 9 | 7 | 6* | 9+ | 15 |
| 16 | - | - | 6 | - | - | - | - | - | - | 9+ | - | - | - | 2 | 4 | 2 | 9+ | 3 | 1 | 6 | 9+ | 8 | 7 | 9+ | 8 | 6 | 4* | 9+ | 7 | 6* | 8 | 9 | 6* | 5* | 9+ | 16 |
| 17 | - | - | 4 | - | - | - | - | - | - | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | |

Mar., Panama (Panama), for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

[illegible]

Apr., Panama (Panama), for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | 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 | 6 | - | 9+ | 7 | 1 | - | 9 | 9 | 1* | 9+ | 9 | 6 | - | 9+ | 9 | 8* | 9+ | 9+ | 9 | 7 | 9+ | 1 | 9 | 9+ | 9+ | 7* | 9 | 9+ | - | 8 | 5* | 8 | 5* | 9 | 9+ | 0 | |
| 1 | 8 | - | 9+ | 9 | 3 | - | 9+ | 9 | - | 9+ | 9 | 7 | - | 9+ | 9 | 7* | 9+ | 9+ | 9 | 8 | 9+ | - | 9* | 9+ | 9+ | 6* | 9 | 9+ | - | 8 | 5* | 7 | 6* | 9 | 9 | 1 | |
| 2 | 9 | - | 9+ | 9 | 2 | - | 9+ | 9 | - | 9+ | 9 | 7 | 3 | 9+ | 9 | 5 | 9+ | 9+ | 9 | 9 | 9+ | 9 | 1* | 8* | 9+ | 9 | 7 | 9 | 9+ | - | 9* | 5* | 4 | 7* | 9 | 6 | 2 |
| 3 | 9 | - | 9+ | 9 | - | - | 9+ | 9 | - | 9+ | 9 | 5 | 6 | 9+ | 9 | 5 | 9+ | 9+ | 9 | 9+ | 9+ | 9 | 4* | 7* | 9+ | 9+ | 6* | 9+ | 9 | - | 8* | 5* | 1* | 5* | 9 | 1* | 3 |
| 4 | 9 | - | 9+ | 9 | - | 2 | 9+ | 9 | - | 9+ | 9 | 4 | 8 | 9+ | 8 | 6 | 9+ | 9+ | 8 | 9+ | 9+ | 9 | 2* | 5 | 9+ | 9 | 7 | 9+ | 9 | 2* | 7* | 4 | 5* | 5* | 9 | - | 4 |
| 5 | 8 | - | 9+ | 9 | - | 5 | 9+ | 9 | - | 9+ | 9 | 1 | 9 | 9+ | 8 | 7 | 9+ | 9+ | 8 | 9+ | 9+ | 9 | 3* | 5 | 9+ | 8 | 6 | 9+ | 8 | 3* | 5* | 2 | 5* | 5* | 8 | - | 5 |
| 6 | 8 | - | 9+ | 8 | - | 8 | 9+ | 9 | 1 | 9+ | 9 | - | 9 | 9+ | 9 | 8 | 9+ | 9 | 7 | 9+ | 9+ | 9 | 3* | 5 | 9+ | 8 | 5 | 9+ | 6 | 2* | 2* | 1 | 3* | 4* | 8 | - | 6 |
| 7 | 5 | - | 9+ | 6 | - | 8 | 9+ | 8 | 2 | 9+ | 9 | - | 9 | 9+ | 9 | 8 | 9+ | 9 | 7 | 9+ | 9+ | 9 | 6 | 5* | 8 | 8 | 4 | 9+ | 6 | 2* | 2* | 1 | 2* | 2* | 7 | - | 7 |
| 8 | - | - | 9+ | 4 | - | 9 | 9+ | 7 | 5 | 9+ | 8 | 1 | 9 | 9+ | 8 | 9 | 9+ | 9 | 7 | 9+ | 9+ | 9 | 3* | 8 | 5 | 4 | 2* | 9 | 8 | 2* | 1* | 1 | 3* | 1* | 7 | - | 8 |
| 9 | - | - | 9+ | - | - | 9 | 9+ | 5 | 7 | 9+ | 6 | 1 | 9 | 9+ | 8 | 9 | 9+ | 9 | 7 | 9+ | 9+ | 9 | 2* | 8 | 4* | 4 | 2* | 9 | 7 | 1* | 1 | 1 | 1* | - | 5 | - | 9 |
| 10 | - | 3 | 9+ | - | - | 8 | 9+ | 2 | 6 | 9+ | 2 | 1 | 9 | 9+ | 8 | 9 | 9+ | 8 | 7 | 9 | 9+ | 9 | 5 | 5 | 3* | 6 | 2 | 8 | 2 | - | - | 1 | 1 | - | - | - | 10 |
| 11 | - | 1 | 9+ | - | - | 7 | 9+ | - | 6 | 9+ | - | 1 | 9 | 9+ | 8 | 9 | 9+ | 8 | 8 | 9 | 9+ | 9 | 8 | 5* | 1 | 9 | 6 | 5* | 8 | - | - | 1 | - | - | - | - | 11 |
| 12 | - | - | 9+ | - | - | 9+ | 9 | - | 4 | 9+ | - | - | 8 | 9+ | 8 | 9 | 9+ | 6 | 7 | 9 | 9+ | 9 | 8 | 7* | 9+ | 9 | 8 | 6* | 9+ | 1 | 7* | 1 | 8 | 2 | 5* | - | 12 |
| 13 | - | - | 9+ | - | - | 9 | 5 | - | 1 | 9+ | - | - | 5 | 9 | 7 | 8 | 9+ | 4 | 7 | 9 | 9+ | 9 | 8 | 8 | 9+ | 8 | 8 | 9 | 9+ | 1 | 7* | 1 | 8 | 6* | 7* | 4 | 13 |
| 14 | - | - | 9+ | - | - | 9 | - | - | - | 9+ | - | - | 2 | 8 | 5 | 8 | 9+ | 3 | 5 | 8 | 9+ | 9 | 8 | 9 | 9+ | 8 | 7 | 8 | 9+ | 4* | 8* | 1 | 9 | 7* | 6* | 6 | 14 |
| 15 | - | - | 8 | - | - | 8 | - | - | - | 9+ | - | - | - | 5 | 4 | 5 | 9+ | 2 | 4 | 7 | 9+ | 9 | 7 | 9 | 9+ | 8 | 7 | 8 | 9+ | 4* | 8 | 1 | 9 | 8 | 5* | 8 | 15 |
| 16 | - | - | 6 | - | - | 6 | - | - | - | 9+ | - | - | - | 2 | 3 | 2 | 9+ | 3 | 1 | 7 | 9+ | 9 | 7 | 8 | 9+ | 8 | 6 | 8 | 9+ | 3* | 8 | 5 | 9 | 8 | 6* | 8 | 16 |
| 17 | - | - | 3 | - | - | 2 | - | - | - | 9+ | - | - | - | - | 4 | 1 | 9+ | 4 | 1 | 5 | 9 | 9 | 8 | 8 | 9+ | 9 | 7 | 9 | 9+ | 3 | 7 | 8 | 9 | 6 | 5* | 9 | 17 |
| 18 | - | - | 2 | - | - | - | - | - | - | 9+ | - | - | - | - | 5 | 1 | 9+ | 5 | 2 | 3 | 9 | 9 | 8 | 6 | 9+ | 9 | 7 | 8 | 9+ | 5 | 2* | 9 | 9 | 4* | 8 | 9+ | 18 |
| 19 | - | - | 4 | - | - | - | - | - | - | 9+ | - | - | - | - | 6 | 1 | 9+ | 7 | 4 | 2 | 9 | 9 | 4* | 9+ | 9 | 7 | 7 | 9+ | 5 | 2* | 9+ | 9+ | 2* | 8 | 9+ | 19 | |
| 20 | - | - | 7 | - | - | - | - | - | - | 9+ | - | - | - | 1 | 8 | 4* | 9+ | 8 | 6 | 1* | 9+ | 9 | 3* | 9+ | 9 | 7 | 7 | 9+ | 1 | - | 9+ | 9+ | 1* | 8 | 9+ | 20 | |
| 21 | - | - | 9+ | - | - | - | - | 2 | - | 9+ | 2 | - | - | 5 | 9 | 7* | 9+ | 9 | 8 | 4* | 9+ | 9 | 8 | 6 | 9+ | 9+ | 7 | 8 | 9+ | 1 | - | 9+ | 9+ | 1* | 9 | 9+ | 21 |
| 22 | - | - | 9+ | - | 8 | - | 1 | 5 | - | 9+ | 6 | 3 | - | 8 | 9 | 8 | 9+ | 9 | 9 | 8 | 9+ | 9 | 6 | 6 | 9+ | 9+ | 8 | 8 | 9+ | - | 1 | 9 | 9 | - | 9 | 9+ | 22 |
| 23 | 2 | - | 9+ | 2 | - | - | 6 | 8 | 1* | 9+ | 8 | 5 | - | 9 | 9 | 7* | 9+ | 9+ | 9 | 7* | 9+ | 9 | 3 | 7* | 9+ | 9+ | 7 | 9 | 9+ | - | 5* | 8 | 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, Panama (Panama), for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

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

Jun., Panama (Panama), for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

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

Jul., Panama (Panama), for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

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

Aug., Panama (Panama), for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

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

Oct., Panama (Panama), for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | 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 | 4 | - | 9 | 9 | - | 9+ | 9 | 7 | - | 9+ | 8 | 8* | 9+ | 9+ | 9 | 6 | 9+ | - | 8 | 9+ | 9 | 6 | 9 | 9+ | - | 8* | 5* | 8 | 4* | 9 | 9 | 0 |
| 1 | 9 | - | 9+ | 9 | 5 | - | 9+ | 9 | - | 9+ | 9 | 7 | 1 | 9+ | 8 | 7 | 9+ | 9+ | 9 | 9 | 9+ | - | 8* | 9+ | 6 | 6 | 9 | 9+ | - | 8* | 5* | 8 | 7* | 9 | 5* | 1 |
| 2 | 9 | - | 9+ | 9 | 5 | - | 9+ | 9 | - | 9+ | 9 | 7 | 2 | 9+ | 9 | 7 | 9+ | 9+ | 8 | 9 | 9+ | - | 8* | 9+ | 1 | 5* | 9 | 8 | - | 8* | 5* | 6 | 6* | 9 | 3* | 2 |
| 3 | 9 | - | 9+ | 9 | 1 | 1 | 9+ | 9 | - | 9+ | 9 | 7 | 7 | 9+ | 9 | 6 | 9+ | 9+ | 8 | 9 | 9+ | 3* | 8* | 9+ | 9 | 5* | 9+ | 4 | - | 8* | 5 | 3 | 5* | 9 | 2* | 3 |
| 4 | 9 | - | 9+ | 8 | - | 5 | 9+ | 9 | - | 9+ | 9 | 2 | 8 | 9+ | 7 | 6 | 9+ | 9+ | 9 | 9+ | 9+ | 1* | 7* | 9+ | 8 | 4* | 9+ | 1* | 4* | 6* | 5 | 5* | 5* | 9 | 1* | 4 |
| 5 | 9 | - | 9+ | 8 | - | 8 | 9+ | 9 | - | 9+ | 9 | 1 | 9 | 9+ | 3 | 7 | 9+ | 9+ | 8 | 9+ | 9+ | 1* | 6* | 9+ | 8 | 4 | 9+ | 2 | 4* | 5* | 5 | 5* | 5* | 9 | - | 5 |
| 6 | 9 | - | 9+ | 8 | - | 8 | 9+ | 9 | 1 | 9+ | 9 | - | 9 | 9+ | 7 | 8 | 9+ | 9 | 7 | 9+ | 9+ | 2* | 5* | 9+ | 8 | 2 | 9+ | 2 | 5* | 2* | 1 | 4* | 5* | 8 | - | 6 |
| 7 | 7 | - | 9+ | 7 | - | 9 | 9+ | 9 | 5 | 9+ | 9 | - | 9 | 9+ | 9 | 8 | 9+ | 9 | 7 | 9+ | 9+ | 4 | 5* | 6 | 5 | 2* | 9 | 3 | 1* | 1* | 1 | 2* | 1* | 4 | - | 7 |
| 8 | 1 | 1 | 9+ | 3 | - | 9 | 9+ | 8 | 7 | 9+ | 7 | 1 | 9 | 9+ | 8 | 9 | 9+ | 8 | 8 | 9+ | 9+ | 2* | 5 | 2 | 3* | 2* | 9 | 4 | 1* | - | 2 | 1* | 1* | 5 | - | 8 |
| 9 | - | 1 | 9+ | 1 | - | 9 | 9+ | 6 | 7 | 9+ | 6 | 1 | 9 | 9+ | 5 | 9 | 9+ | 8 | 5 | 9+ | 9+ | 1* | 5 | 4* | 1* | 1* | 8 | - | - | - | 2 | - | - | 1 | - | 9 |
| 10 | - | 5 | 9+ | - | - | 8 | 9+ | 2 | 7 | 9+ | 2 | 2 | 9 | 9+ | 8 | 8 | 9+ | 7 | 4 | 8 | 9 | 5 | 2* | 3 | 5 | 2 | 1* | 2* | - | - | 2 | - | - | - | - | 10 |
| 11 | - | 2 | 9+ | - | - | 8 | 9+ | - | 7 | 9+ | - | 6 | 9 | 9+ | 8 | 7 | 9+ | 8 | 8 | 8 | 9+ | 8 | 6* | 9+ | 8 | 6 | 6* | 6 | - | 2* | 2 | 4 | 1* | - | - | 11 |
| 12 | - | - | 9+ | - | - | 9+ | 9 | - | 5 | 9+ | - | 1 | 8 | 9+ | 7 | 8 | 9+ | 6 | 8 | 9 | 9+ | 9 | 8 | 9+ | 9 | 8 | 8* | 9+ | 8 | 8* | 9 | 9 | 8 | 7* | 1 | 12 |
| 13 | - | - | 9+ | - | - | 9 | 5 | - | 1 | 9+ | - | - | 5 | 9 | 8 | 9 | 9+ | 4* | 6 | 9 | 9+ | 9 | 9 | 9+ | 9 | 7 | 9 | 9+ | 8 | 8* | 8 | 9 | 8 | 8* | 9+ | 13 |
| 14 | - | - | 9+ | - | - | 9 | - | - | - | 9+ | - | - | 2 | 8 | 5 | 7 | 9+ | 2 | 3 | 8 | 9+ | 8 | 9 | 9+ | 8 | 6* | 7 | 9+ | 7 | 9 | 9 | 8 | 8 | 7* | 9+ | 14 |
| 15 | - | - | 8 | - | - | 7 | - | - | - | 9+ | - | - | - | 5 | 4 | 5 | 9+ | 2 | 2 | 7 | 9+ | 8 | 8 | 9+ | 8 | 6* | 5* | 9+ | 8 | 8* | 9 | 9 | 8 | 6* | 9+ | 15 |
| 16 | - | - | 6 | - | - | - | - | - | - | 9+ | - | - | - | 1 | 4 | 2 | 9+ | 3 | 1 | 6 | 9+ | 8 | 8 | 9+ | 8 | 5 | 8 | 9+ | 8 | 8 | 9 | 9 | 7 | 5* | 9+ | 16 |
| 17 | - | - | 4 | - | - | - | - | - | - | 9+ | - | - | - | - | 5 | 1 | 9+ | 5 | 1 | 4 | 9+ | 8 | 7 | 9+ | 9 | 7 | 8 | 9+ | 8 | 5* | 9 | 9 | 5* | 8 | 9+ | 17 |
| 18 | - | - | 3 | - | - | - | - | - | - | 9+ | - | - | - | - | 6 | 1 | 9+ | 6 | 4 | 2 | 9 | 9 | 6 | 9+ | 9 | 6 | 8 | 9+ | 6 | 4* | 9+ | 9 | 4* | 8 | 9+ | 18 |
| 19 | - | - | 5 | - | - | - | - | - | - | 9+ | - | - | - | - | 8 | 2* | 9+ | 8 | 4 | 1* | 9 | 9 | 5* | 9+ | 9 | 3* | 7 | 9+ | 1 | 3* | 9+ | 9+ | 2* | 8 | 9+ | 19 |
| 20 | - | - | 8 | - | - | - | - | 1 | - | 9+ | 1 | - | - | 4 | 9 | 5* | 9+ | 9 | 7 | 4* | 9+ | 6 | 5* | 9+ | 9+ | 4* | 7 | 9+ | - | 1* | 9+ | 9 | 1* | 9 | 9+ | 20 |
| 21 | - | - | 9+ | - | - | - | - | 4 | - | 9+ | 4 | 1 | - | 7 | 9 | 8* | 9+ | 9 | 8 | 4* | 9+ | 5 | 7 | 9+ | 9+ | 4* | 8 | 9+ | - | 2 | 9+ | 9+ | - | 8 | 9+ | 21 |
| 22 | 1 | - | 9+ | 1 | - | - | 5 | 8 | 1* | 9+ | 8 | 5 | - | 9 | 8 | 8* | 9+ | 9+ | 8 | 7 | 9+ | 1 | 7 | 9+ | 9+ | 2* | 8 | 9+ | - | 7 | 9 | 9 | - | 9 | 9+ | 22 |
| 23 | 4 | - | 9+ | 6 | 1 | - | 9 | 9 | 3* | 9+ | 9 | 6 | - | 9+ | 9 | 8* | 9+ | 9+ | 9 | 7 | 9+ | - | 8 | 9+ | 9 | 2 | 9 | 9+ | - | 8 | 6* | 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., Panama (Panama), for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | 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 | 4 | - | 9 | 9 | - | 9+ | 9 | 7 | - | 9+ | 7 | 8* | 9+ | 9 | 9 | 8 | 9+ | - | 9* | 9+ | 9 | 6* | 9 | 9+ | - | 7* | 5* | 7 | 1* | 8 | 6 | 0 |
| 1 | 9 | - | 9+ | 8 | 5 | - | 9+ | 9 | - | 9+ | 9 | 8 | - | 9+ | 5 | 7 | 9+ | 9 | 8 | 9 | 9+ | - | 9* | 9 | 1* | 5* | 9 | 9 | - | 8* | 2* | 3 | 5* | 9 | 5* | 1 |
| 2 | 9 | - | 9+ | 9 | 5 | - | 9+ | 9 | - | 9+ | 9 | 8 | 4 | 9+ | 7 | 8 | 9+ | 9 | 8 | 9 | 9+ | - | 8* | 8 | 9 | 5* | 9 | 8 | - | 8* | 1 | 1 | 6* | 9 | 5* | 2 |
| 3 | 9 | - | 9+ | 9 | 2 | 1 | 9+ | 9 | - | 9+ | 9 | 7 | 7 | 9+ | 8 | 7 | 9+ | 9 | 8 | 9 | 9+ | 1* | 8* | 9 | 9 | 5* | 9 | 5 | - | 8* | 1 | 2 | 5* | 9 | 3* | 3 |
| 4 | 9 | - | 9+ | 9 | - | 5 | 9+ | 9 | - | 9+ | 9 | 4 | 8 | 9+ | 7 | 7 | 9+ | 9 | 9 | 9+ | 9+ | 3* | 6* | 9 | 8 | 4* | 9+ | 2 | - | 5* | 1 | 3* | 5* | 9 | - | 4 |
| 5 | 9 | - | 9+ | 8 | - | 8 | 9+ | 9 | 1 | 9+ | 9 | 1 | 9 | 9+ | 1 | 7 | 9+ | 9 | 8 | 9+ | 9+ | 2* | 5* | 8 | 8 | 2* | 9+ | 1* | 1* | 1* | 1 | 4* | 4* | 9 | - | 5 |
| 6 | 9 | - | 9+ | 8 | - | 8 | 9+ | 9 | 3 | 9+ | 9 | 1 | 9 | 9+ | 3 | 8 | 9+ | 9 | 8 | 9+ | 9+ | 2* | 3* | 7 | 6 | 2* | 9+ | 1 | 3* | - | 1 | 2* | 2* | 7 | - | 6 |
| 7 | 8 | 1 | 9+ | 8 | - | 9 | 9+ | 9 | 6 | 9+ | 9 | 1 | 9 | 9+ | 9 | 8 | 9+ | 8 | 8 | 9+ | 9+ | 3 | 3* | 6 | 4 | 2* | 9 | 2 | - | - | 1 | 1* | - | 4 | - | 7 |
| 8 | 5 | 2 | 9+ | 4 | - | 9 | 9+ | 8 | 7 | 9+ | 8 | 3 | 9 | 9+ | 8 | 9 | 9 | 8 | 8 | 9+ | 9+ | 2* | 3* | 2 | 2* | 2* | 9 | 5 | 1* | - | 1 | 1* | - | 4 | - | 8 |
| 9 | 1 | 6 | 9+ | 1 | - | 9 | 9+ | 7 | 8 | 9+ | 6 | 3 | 9 | 9+ | 7 | 8 | 9+ | 8 | 7 | 9 | 9+ | 1* | 1 | 2 | 1* | 1* | 8 | 2 | - | - | 2 | - | - | - | - | 9 |
| 10 | - | 6 | 9+ | - | - | 8 | 9+ | 3 | 7 | 9+ | 2 | 6 | 9 | 9+ | 8 | 7 | 9+ | 8 | 6 | 9 | 9 | 3 | 1* | 2 | 5 | 1 | 3 | - | - | - | 2 | - | - | - | - | 10 |
| 11 | - | 1 | 9+ | - | - | 8 | 9+ | 1 | 6 | 9+ | - | 5 | 9 | 9+ | 9 | 7 | 9+ | 9 | 8 | 9 | 9+ | 8 | 7* | 9+ | 8 | 7 | 6* | 5 | - | 2* | 2 | 3 | 1* | - | - | 11 |
| 12 | - | - | 9+ | - | - | 5 | 9 | - | 5 | 9+ | - | 1 | 8 | 9+ | 8 | 8 | 9+ | 6 | 7 | 9 | 9+ | 9 | 8 | 9+ | 9 | 8 | 8* | 9+ | 8 | 8* | 9 | 8 | 8 | 7* | 1 | 12 |
| 13 | - | - | 9+ | - | - | 9 | 6 | - | 2 | 9+ | - | - | 7 | 9 | 7 | 9 | 9+ | 4 | 8 | 9 | 9+ | 9 | 8 | 9+ | 9 | 7* | 9 | 9+ | 8 | 8* | 9 | 8 | 8 | 8* | 9+ | 13 |
| 14 | - | - | 9+ | - | - | 9 | 1 | - | - | 9+ | - | - | 3 | 8 | 6 | 8 | 9+ | 3* | 4 | 8 | 9+ | 9 | 9 | 9+ | 8 | 6* | 8 | 9+ | 8 | 9 | 9+ | 8 | 8 | 6* | 9+ | 14 |
| 15 | - | - | 9 | - | - | 8 | - | - | - | 9+ | - | - | - | 5 | 5 | 5 | 9+ | 2 | 2 | 8 | 9+ | 9 | 9 | 9+ | 8 | 6* | 5* | 9+ | 8 | 8 | 9+ | 8 | 6* | 5* | 9+ | 15 |
| 16 | - | - | 6 | - | - | - | - | - | - | 9+ | - | - | - | 1 | 5 | 2 | 9+ | 3 | 1 | 7 | 9+ | 9 | 8 | 9+ | 9 | 6 | 7 | 9+ | 8 | 6* | 9 | 9 | 5* | 3* | 9+ | 16 |
| 17 | - | - | 4 | - | - | - | - | - | - | 9+ | - | - | - | - | 5 | 1 | 9+ | 5 | 1 | 4 | 9 | 9 | 6 | 9+ | 9 | 3* | 8 | 9+ | 4 | 5* | 8 | 9 | 4* | 7 | 9+ | 17 |
| 18 | - | - | 4 | - | - | - | - | - | - | 9+ | - | - | - | - | 6 | - | 9+ | 6 | 4 | 1 | 9 | 8 | 6* | 9+ | 9 | 2* | 8 | 9+ | - | 4* | 7 | 9 | 2* | 9 | 9+ | 18 |
| 19 | - | - | 5 | - | - | - | - | - | - | 9+ | - | - | - | - | 7 | 2 | 9+ | 8 | 5 | 2* | 9 | 5 | 7* | 9+ | 9 | 2* | 8 | 9+ | - | 3* | 8 | 9 | 1* | 8 | 9+ | 19 |
| 20 | - | - | 9 | - | - | - | - | 1 | - | 9+ | 1 | - | - | 4 | 8 | 5* | 9+ | 9 | 7 | 5* | 9+ | - | 7* | 9+ | 9 | 2* | 8 | 9+ | - | 1* | 9 | 9 | - | 8 | 9+ | 20 |
| 21 | - | - | 9+ | - | - | - | 1 | 5 | - | 9+ | 5 | 2 | - | 8 | 8 | 8* | 9+ | 9 | 7 | 5* | 9+ | - | 7 | 9+ | 9+ | 4* | 8 | 9+ | - | - | 9 | 9 | - | 8 | 9+ | 21 |
| 22 | 2 | - | 9+ | 2 | - | - | 6 | 8 | 1* | 9+ | 8 | 5 | - | 9 | 8 | 8* | 9+ | 9+ | 8 | 7 | 9+ | - | 8 | 9+ | 9+ | 2* | 8 | 9+ | - | 7 | 7 | 9 | - | 9 | 9+ | 22 |
| 23 | 6 | - | 9+ | 6 | 1 | - | 9 | 9 | 1* | 9+ | 9 | 7 | - | 9+ | 8 | 9* | 9+ | 9+ | 8 | 7 | 9+ | - | 8 | 9+ | 9 | - | 9 | 9+ | - | 7 | 4* | 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., Panama (Panama), for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

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

Jan., Panama (Panama), for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

[illegible]

Mar., Panama (Panama), for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | 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 | 7 | - | 9+ | 8 | 2 | - | 9 | 9 | 1* | 9+ | 9 | 8 | - | 9+ | 7 | 8* | 9+ | 9+ | 9 | 7 | 9+ | - | 8* | 9+ | 9 | 4* | 9 | 9+ | - | 7 | 4* | 3 | - | 9 | 9 | 0 |
| 1 | 9 | - | 9+ | 9 | 5 | - | 9+ | 9 | - | 9+ | 9 | 8 | - | 9+ | 6 | 8* | 9+ | 9+ | 8 | 8 | 9+ | - | 9* | 9+ | 9 | 6* | 9 | 9+ | - | 8* | 2* | 2 | 2* | 9 | 6 | 1 |
| 2 | 9 | - | 9+ | 9 | 5 | - | 9+ | 9 | - | 9+ | 9 | 8 | 2 | 9+ | 7 | 6 | 9+ | 9+ | 8 | 9 | 9+ | - | 9* | 9+ | 9 | 6* | 9 | 8 | - | 8* | 1 | 1 | 5* | 9 | - | 2 |
| 3 | 9 | - | 9+ | 9 | 1 | - | 9+ | 9 | - | 9+ | 9+ | 7 | 6 | 9+ | 8 | 5 | 9+ | 9+ | 8 | 9 | 9+ | - | 8* | 9+ | 8 | 5* | 9 | 2* | - | 7* | 3 | - | 5* | 9 | - | 3 |
| 4 | 9 | - | 9+ | 9 | - | 2 | 9+ | 9 | - | 9+ | 9 | 5 | 8 | 9+ | 5 | 4 | 9+ | 9+ | 9 | 9 | 9+ | 3* | 6* | 9+ | 5* | 5* | 9+ | 1* | - | 6* | 4 | 1* | 6* | 8 | - | 4 |
| 5 | 9 | - | 9+ | 9 | - | 7 | 9+ | 9 | - | 9+ | 9 | 1 | 9 | 9+ | 2 | 5 | 9+ | 9 | 8 | 9+ | 9+ | 3* | 5* | 9+ | 8 | 4* | 9+ | 1* | - | 4* | 2 | 5* | 5* | 7 | - | 5 |
| 6 | 9 | - | 9+ | 9 | - | 8 | 9+ | 9 | 1 | 9+ | 9 | - | 9 | 9+ | 5 | 6 | 9+ | 9 | 8 | 9+ | 9+ | 2* | 5* | 9 | 7 | 2* | 9 | 1 | 1* | 1* | 1 | 2* | 2* | 5 | - | 6 |
| 7 | 7 | - | 9+ | 7 | - | 9 | 9+ | 9 | 4 | 9+ | 9 | 1 | 9 | 9+ | 9 | 8 | 9+ | 9 | 6 | 9+ | 9+ | 3* | 3* | 6 | 6 | 2* | 9 | 1 | - | - | 1 | - | - | 2 | - | 7 |
| 8 | 1 | 1 | 9+ | 3 | - | 9 | 9+ | 8 | 5 | 9+ | 8 | 1 | 9 | 9+ | 8 | 8 | 9+ | 8 | 6 | 9+ | 9+ | 2* | 3 | 1 | 2* | 1* | 9 | 3 | - | - | 1 | 1* | - | 3 | - | 8 |
| 9 | - | 1 | 9+ | 1 | - | 9 | 9+ | 6 | 6 | 9+ | 6 | 2 | 9 | 9+ | 5 | 8 | 9 | 7 | 5 | 9+ | 9+ | 1* | 3 | 2 | 1* | 1* | 8 | 1 | - | - | 1 | - | - | - | - | 9 |
| 10 | - | 5 | 9+ | - | - | 8 | 9+ | 3 | 5 | 9+ | 3 | 2 | 9 | 9+ | 7 | 8 | 9+ | 6 | 4 | 9 | 9 | - | 1 | 2 | 1 | - | 1 | - | - | - | 2 | - | - | - | - | 10 |
| 11 | - | 2 | 9+ | - | - | 8 | 9+ | - | 5 | 9+ | - | 3 | 8 | 9+ | 9 | 6 | 9+ | 8 | 7 | 5 | 9+ | 1 | 4* | 2 | 7 | - | 2* | 1 | - | - | 2 | - | - | - | - | 11 |
| 12 | - | - | 9+ | - | - | 5 | 9 | - | 5 | 9+ | - | 1 | 8 | 9+ | 8 | 8 | 9+ | 8 | 8 | 9 | 9+ | 9 | 7* | 9+ | 8 | 7 | 6* | 8 | - | 6* | 1 | 5 | - | 1* | - | 12 |
| 13 | - | - | 9+ | - | - | 9 | 6 | - | 2 | 9+ | - | - | 7 | 9 | 8 | 9 | 9+ | 4 | 6 | 9 | 9+ | 8 | 8 | 9+ | 8 | 7 | 7* | 9+ | 2* | 7* | 1 | 8 | 6 | 7* | 2 | 13 |
| 14 | - | - | 9+ | - | - | 9 | 1 | - | - | 9+ | - | - | 2 | 8 | 5 | 8 | 9+ | 3* | 2 | 8 | 9+ | 8 | 9 | 9+ | 9 | 7* | 5* | 9+ | 3* | 6* | 2 | 9 | 7 | 6* | 8 | 14 |
| 15 | - | - | 9 | - | - | 8 | - | - | - | 9+ | - | - | - | 5 | 4 | 6 | 9+ | 2 | 2 | 5 | 9+ | 8 | 9 | 9+ | 8 | 7* | 4* | 9+ | 1 | 7 | 3 | 9 | 7 | 5* | 9 | 15 |
| 16 | - | - | 7 | - | - | 4 | - | - | - | 9+ | - | - | - | 3 | 4 | 2 | 9+ | 3 | 2 | 6 | 9+ | 8 | 8 | 9+ | 9 | 6* | 3* | 9+ | 1 | 8 | 6 | 9 | 4* | 6* | 9 | 16 |
| 17 | - | - | 5 | - | - | - | - | - | - | 9+ | - | - | - | 1 | 5 | 1 | 9+ | 5 | 2 | 5 | 9+ | 8 | 7 | 9+ | 9 | 6 | 8 | 9+ | 2 | 5 | 8 | 9 | 3* | 2* | 9+ | 17 |
| 18 | - | - | 4 | - | - | - | - | - | - | 9+ | - | - | - | - | 6 | 1 | 9+ | 6 | 3 | 3 | 9 | 8 | 5* | 9+ | 9 | 4* | 8 | 9+ | 2 | 2* | 9 | 9 | 2* | 8 | 9+ | 18 |
| 19 | - | - | 5 | - | - | - | - | - | - | 9+ | - | - | - | - | 7 | 2* | 9+ | 7 | 5 | 1* | 9 | 8 | 4* | 9+ | 9 | 4* | 7 | 9+ | - | 1* | 9+ | 9 | 2* | 8 | 9+ | 19 |
| 20 | - | - | 8 | - | - | - | - | - | - | 9+ | - | - | - | 2 | 8 | 5* | 9+ | 9 | 6 | 2* | 9+ | 7 | 3* | 9+ | 9+ | 4* | 7 | 9+ | - | - | 9+ | 9+ | 1* | 8 | 9+ | 20 |
| 21 | - | - | 9+ | - | - | - | - | 2 | - | 9+ | 2 | 1 | - | 6 | 9 | 7* | 9+ | 9 | 7 | 2 | 9+ | 5 | 4 | 9+ | 9+ | 3* | 8 | 9+ | - | - | 9 | 9 | - | 9 | 9+ | 21 |
| 22 | - | - | 9+ | - | - | - | 3 | 6 | 1* | 9+ | 7 | 4 | - | 9 | 8 | 7 | 9+ | 9+ | 8 | 8 | 9+ | - | 7 | 9+ | 9+ | 1* | 8 | 9+ | - | 1 | 9 | 8 | - | 9 | 9+ | 22 |
| 23 | 4 | - | 9+ | 3 | 8 | - | 8 | 8 | 2* | 9+ | 9 | 7 | - | 9+ | 8 | 7* | 9+ | 9+ | 9 | 7 | 9+ | - | 7 | 9+ | 9 | 1 | 9 | 9+ | - | 3 | 5 | 7 | - | 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., Panama (Panama), for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

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

May, Panama (Panama), for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

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

Jun., Panama (Panama), for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | 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 | 2 | - | 9+ | 5 | - | - | 9 | 8 | 1* | 9+ | 8 | 7 | - | 9+ | 9+ | 7* | 9+ | 9+ | 9 | 8 | 9+ | 4 | 8 | 9+ | 9 | 6* | 9 | 9+ | - | 7 | 2* | - | 1* | 8 | 9 | 0 |
| 1 | 8 | - | 9+ | 8 | 2 | - | 9 | 9 | - | 9+ | 9 | 7 | - | 9+ | 9 | 8* | 9+ | 9+ | 9 | 8 | 9+ | - | 9* | 9 | 7 | 7* | 9 | 9+ | - | 8 | 1 | - | - | 9 | 8 | 1 |
| 2 | 9 | - | 9+ | 9 | 1 | - | 9 | 9 | - | 9+ | 9 | 8 | 1 | 9+ | 9 | 6 | 9+ | 9+ | 9 | 9 | 9+ | - | 6 | 8 | 4 | 7 | 9 | 9+ | - | 7 | 1 | - | 1* | 8 | 5 | 2 |
| 3 | 9 | - | 9+ | 9 | - | - | 9+ | 9 | - | 9+ | 9 | 5 | 5 | 9+ | 8 | 7 | 9+ | 9+ | 9 | 9 | 9+ | 5* | 6 | 4 | 4* | 6* | 9 | 9+ | - | 2 | 1 | - | - | 4 | - | 3 |
| 4 | 8 | - | 9+ | 8 | - | 2 | 9+ | 9 | - | 9+ | 9 | 1 | 8 | 9+ | 8 | 7 | 9+ | 9+ | 8 | 9+ | 9+ | 4* | 6 | 2 | 4* | 6 | 9 | 8 | - | - | 1 | - | - | 2 | - | 4 |
| 5 | 7 | - | 9+ | 7 | - | 5 | 9+ | 9 | - | 9+ | 9 | - | 8 | 9+ | 9 | 7 | 9+ | 9+ | 8 | 9+ | 9+ | 2* | 4 | 1 | 7 | 1* | 7 | 4 | - | - | 1 | - | - | - | - | 5 |
| 6 | 1 | - | 9+ | 7 | - | 8 | 9+ | 8 | - | 9+ | 9 | - | 9 | 9+ | 9 | 7 | 9+ | 9 | 6 | 9+ | 9+ | - | 3 | 1 | 5 | - | 2 | 1 | - | - | 1 | - | - | - | - | 6 |
| 7 | - | - | 9+ | 5 | - | 8 | 9+ | 7 | - | 9+ | 8 | - | 9 | 9+ | 9 | 8 | 9+ | 9 | 5 | 9 | 9+ | 2 | 1 | 5 | 7 | 2 | 1 | - | - | - | 1 | - | - | - | - | 7 |
| 8 | - | - | 9+ | 2 | - | 9 | 9+ | 4 | 2 | 9+ | 8 | - | 9 | 9+ | 8 | 8 | 9+ | 9 | 4 | 9 | 9+ | - | 5 | 3 | 4 | - | 5 | 4 | - | - | 1 | - | - | - | - | 8 |
| 9 | - | - | 9+ | - | - | 9 | 9+ | 1 | 5 | 9+ | 5 | - | 9 | 9+ | 8 | 9 | 9+ | 8 | 3 | 9 | 9+ | - | 5 | 6 | 2 | - | 3 | 2 | - | - | 1 | - | - | - | - | 9 |
| 10 | - | - | 9+ | - | - | 8 | 9+ | - | 6 | 9+ | 1 | - | 9 | 9+ | 8 | 9 | 9+ | 9 | 5 | 9 | 9+ | 3 | 4 | 8 | 5 | 3 | 2 | 1 | - | - | 1 | - | - | - | - | 10 |
| 11 | - | - | 9+ | - | - | 7 | 9+ | - | 5 | 9+ | - | - | 9 | 9+ | 8 | 9 | 9+ | 8 | 7 | 9 | 9+ | 1 | 3 | 9 | 3 | 1 | 1 | 6 | - | - | 1 | - | - | - | - | 11 |
| 12 | - | - | 9+ | - | - | 1 | 8 | - | 3 | 9+ | - | - | 8 | 9 | 8 | 9 | 9+ | 8 | 8 | 9 | 9+ | 5 | 6* | 9 | 7 | 5 | 1* | 5 | - | - | 2 | - | - | - | - | 12 |
| 13 | - | - | 9+ | - | - | - | 4 | - | - | 9+ | - | - | 5 | 9 | 8 | 8 | 9+ | 7 | 8 | 8 | 9+ | 6 | 7* | 9 | 8 | 7 | 5* | 9 | - | 2* | 5 | - | - | - | - | 13 |
| 14 | - | - | 9+ | - | - | - | - | - | - | 9+ | - | - | 1 | 8 | 8 | 7 | 9+ | 6 | 4 | 8 | 9+ | 5 | 8 | 9 | 8 | 6* | 5 | 9 | - | 1* | 6 | - | 3* | - | - | 14 |
| 15 | - | - | 9 | - | - | - | - | - | - | 9+ | - | - | - | 6 | 6 | 5 | 9+ | 6 | 3 | 8 | 9+ | 6 | 7 | 9 | 8 | 7 | 5 | 9 | 1* | - | 7 | 4 | 2* | - | - | 15 |
| 16 | - | - | 8 | - | - | - | - | - | - | 9+ | - | - | - | 4 | 7 | 4 | 9+ | 6 | 2 | 8 | 9+ | 5 | 6 | 9 | 9 | 8 | 1 | 9 | - | - | 6 | 7 | 4 | - | 1 | 16 |
| 17 | - | - | 5 | - | - | - | - | - | - | 9+ | - | - | - | 1 | 7 | 3 | 9+ | 5 | 2 | 7 | 9+ | 6 | 5 | 9+ | 9 | 7 | 7 | 9+ | - | - | 7 | 8 | 3 | - | 3 | 17 |
| 18 | - | - | 5 | - | - | - | - | - | - | 9+ | - | - | - | 1 | 7 | 2 | 9+ | 6 | 2 | 5 | 9+ | 8 | 4 | 9+ | 9 | 8 | 8 | 9+ | 1* | - | 8 | 9 | 1 | 4 | 7 | 18 |
| 19 | - | - | 6 | - | - | - | - | - | - | 9+ | - | - | - | 1 | 8 | 1 | 9+ | 8 | 4 | 4 | 9+ | 9 | 2 | 9+ | 9 | 8 | 8 | 9+ | 1 | - | 8 | 9 | - | 7 | 9 | 19 |
| 20 | - | - | 9 | - | - | - | - | - | - | 9+ | - | - | - | 1 | 8 | 2 | 9+ | 9 | 6 | 4 | 9+ | 9 | 3 | 9+ | 9 | 8 | 8 | 9+ | 2 | - | 9 | 9 | - | 8 | 9 | 20 |
| 21 | - | - | 9+ | - | - | - | - | - | - | 9+ | 2 | - | - | 4 | 8 | 5 | 9+ | 9 | 7 | 4 | 9+ | 9 | 5 | 9+ | 9 | 8 | 9 | 9+ | 1 | - | 9 | 8 | - | 7 | 9 | 21 |
| 22 | - | - | 9+ | - | - | - | 1 | 3 | 1* | 9+ | 4 | 2 | - | 8 | 9 | 7 | 9+ | 9+ | 8 | 7 | 9+ | 8 | 5* | 9+ | 9 | 7 | 9 | 9+ | - | - | 9 | 2 | - | 8 | 9+ | 22 |
| 23 | - | - | 9+ | 3 | - | - | 6 | 7 | 1* | 9+ | 7 | 5 | - | 9 | 9 | 5 | 9+ | 9+ | 9 | 7 | 9+ | 7 | 7 | 9+ | 9 | 6* | 9 | 9+ | - | 1* | 8 | - | - | 7 | 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., Panama (Panama), for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | 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 | 5 | - | 9+ | 6 | 1 | - | 9 | 8 | 1* | 9+ | 8 | 7 | - | 9+ | 9+ | 6 | 9+ | 9+ | 9 | 8 | 9+ | 1 | 8 | 9+ | 6 | 7* | 9 | 9+ | - | 7 | 2* | - | 2* | 8 | 9 | 0 |
| 1 | 8 | - | 9+ | 8 | 3 | - | 9+ | 9 | - | 9+ | 9 | 7 | - | 9+ | 9 | 8* | 9+ | 9+ | 9 | 8 | 9+ | - | 8 | 9 | 2 | 6* | 9 | 9+ | - | 8 | 1 | - | - | 8 | 7 | 1 |
| 2 | 9 | - | 9+ | 9 | 1 | - | 9+ | 9 | - | 9+ | 9 | 7 | 1 | 9+ | 8 | 8 | 9+ | 9 | 8 | 9 | 9+ | - | 7 | 4 | 1 | 6* | 9 | 9+ | - | 6 | 1 | - | - | 7 | 1 | 2 |
| 3 | 9 | - | 9+ | 9 | - | - | 9+ | 9 | - | 9+ | 9 | 5 | 5 | 9+ | 7 | 8 | 9+ | 9 | 9 | 9 | 9+ | 4* | 6 | 2* | 4* | 5* | 9 | 9 | - | - | 1 | - | - | 2 | - | 3 |
| 4 | 8 | - | 9+ | 8 | - | 2 | 9+ | 9 | - | 9+ | 9 | 1 | 8 | 9+ | 8 | 8 | 9+ | 9+ | 9 | 9 | 9+ | 1* | 2 | 1 | 2* | 4 | 8 | 3 | - | - | 1 | - | - | - | - | 4 |
| 5 | 8 | - | 9+ | 8 | - | 5 | 9+ | 9 | - | 9+ | 9 | - | 9 | 9+ | 9 | 7 | 9+ | 9 | 7 | 9 | 9+ | - | 1 | 1 | 7 | - | 4 | - | - | - | 1 | - | - | - | - | 5 |
| 6 | 6 | - | 9+ | 8 | - | 8 | 9+ | 8 | - | 9+ | 9 | - | 9 | 9+ | 9 | 7 | 9+ | 9 | 6 | 9 | 9+ | 1 | - | 1 | 2 | - | 1 | - | - | - | 1 | - | - | - | - | 6 |
| 7 | - | - | 9+ | 6 | - | 9 | 9+ | 8 | 1 | 9+ | 9 | - | 9 | 9+ | 8 | 6 | 9+ | 9 | 5 | 9 | 9 | 1 | 1* | 2 | 6 | - | - | - | - | - | 1 | - | - | - | - | 7 |
| 8 | - | - | 9+ | 2 | - | 9 | 9+ | 5 | 5 | 9+ | 8 | - | 9 | 9+ | 8 | 8 | 9+ | 8 | 3 | 9 | 9+ | - | 3 | 1 | 2 | - | 3 | 1 | - | - | 1 | - | - | - | - | 8 |
| 9 | - | - | 9+ | - | - | 9 | 9+ | 2 | 6 | 9+ | 6 | - | 9 | 9+ | 7 | 9 | 9 | 7 | 2 | 9 | 9+ | - | 3 | 1 | 1 | - | 3 | 1 | - | - | 1 | - | - | - | - | 9 |
| 10 | - | 1 | 9+ | - | - | 8 | 9+ | 1 | 6 | 9+ | 2 | - | 9 | 9+ | 8 | 9 | 9+ | 8 | 4 | 9 | 9 | 1 | 2 | 4 | 4 | 1 | 1 | - | - | - | 1 | - | - | - | - | 10 |
| 11 | - | - | 9+ | - | - | 7 | 9+ | - | 5 | 9+ | - | - | 9 | 9+ | 8 | 8 | 9+ | 8 | 7 | 8 | 9+ | - | 1 | 7 | 2 | 1 | - | 4 | - | - | 1 | - | - | - | - | 11 |
| 12 | - | - | 9+ | - | - | 4 | 9 | - | 4 | 9+ | - | - | 8 | 9+ | 8 | 8 | 9+ | 7 | 8 | 8 | 9+ | 5 | 5* | 8 | 7 | 6 | 1* | 2 | - | - | 1 | - | - | - | - | 12 |
| 13 | - | - | 9+ | - | - | - | 4 | - | - | 9+ | - | - | 6 | 9 | 8 | 9 | 9+ | 6 | 7 | 8 | 9+ | 5 | 5 | 9 | 7 | 5 | 3* | 9 | - | - | 1 | - | - | - | - | 13 |
| 14 | - | - | 9+ | - | - | - | - | - | - | 9+ | - | - | 1 | 8 | 8 | 8 | 9+ | 6 | 5 | 8 | 9+ | 2* | 8 | 9 | 7 | 5 | 5* | 9 | - | 1 | 1 | - | - | - | - | 14 |
| 15 | - | - | 9 | - | - | - | - | - | - | 9+ | - | - | - | 7 | 7 | 5 | 9+ | 6 | 4 | 6 | 9+ | 4 | 6 | 9 | 7 | 6 | 1 | 8 | - | - | 2 | 2 | 1* | - | - | 15 |
| 16 | - | - | 8 | - | - | - | - | - | - | 9+ | - | - | - | 5 | 6 | 3 | 9+ | 6 | 3 | 8 | 9+ | 4 | 3 | 9 | 8 | 8 | - | 9 | - | - | 4 | 6 | 2 | - | - | 16 |
| 17 | - | - | 6 | - | - | - | - | - | - | 9+ | - | - | - | 2 | 7 | 1 | 9+ | 7 | 3 | 8 | 9+ | 5 | 4 | 9+ | 9 | 8 | 6 | 9 | - | - | 5 | 8 | - | - | 1 | 17 |
| 18 | - | - | 5 | - | - | - | - | - | - | 9+ | - | - | - | 1 | 8 | 1 | 9+ | 7 | 2 | 5 | 9+ | 7 | 2 | 9+ | 9 | 8 | 8 | 9+ | - | - | 7 | 8 | - | 4 | 6 | 18 |
| 19 | - | - | 6 | - | - | - | - | - | - | 9+ | - | - | - | 1 | 6 | 2 | 9+ | 8 | 5 | 4 | 9+ | 8 | 1 | 9+ | 9 | 7 | 8 | 9+ | - | - | 8 | 8 | - | 8 | 8 | 19 |
| 20 | - | - | 9 | - | - | - | - | - | - | 9+ | - | - | - | 2 | 8 | 3 | 9+ | 8 | 6 | 4 | 9+ | 8 | - | 9+ | 9 | 5 | 8 | 9+ | - | - | 8 | 9 | - | 8 | 9 | 20 |
| 21 | - | - | 9+ | - | - | - | - | 1 | - | 9+ | 2 | - | - | 5 | 9 | 6 | 9+ | 9 | 8 | 5 | 9+ | 9 | 4 | 9+ | 9 | 4 | 9 | 9+ | - | - | 9 | 5 | - | 7 | 9 | 21 |
| 22 | - | - | 9+ | - | - | - | 2 | 4 | - | 9+ | 4 | 2 | - | 8 | 9 | 8 | 9+ | 9 | 8 | 7 | 9+ | 7 | 4 | 9+ | 9 | 2* | 9 | 9+ | - | - | 9 | - | - | 7 | 9+ | 22 |
| 23 | 1 | - | 9+ | 3 | - | - | 7 | 7 | 4* | 9+ | 8 | 6 | - | 9 | 9 | 6 | 9+ | 9+ | 9 | 6 | 9+ | 4 | 7 | 9+ | 8 | 6* | 9 | 9+ | - | 1 | 7 | - | - | 7 | 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., Panama (Panama), for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | 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 | 7 | - | 9+ | 8 | 1 | - | 9 | 9 | 1* | 9+ | 9 | 7 | - | 9+ | 9 | 7* | 9+ | 9 | 9 | 8 | 9+ | - | 8 | 9+ | 4 | 5* | 9 | 9+ | - | 7 | 1 | - | 1* | 8 | 9 | 0 |
| 1 | 8 | - | 9+ | 8 | 5 | - | 9+ | 9 | - | 9+ | 9 | 7 | - | 9+ | 8 | 7* | 9+ | 9 | 8 | 8 | 9+ | - | 8 | 6 | - | 6* | 9 | 9+ | - | 8 | 1 | - | 1* | 8 | 7 | 1 |
| 2 | 9 | - | 9+ | 9 | 2 | - | 9+ | 9 | - | 9+ | 9 | 7 | 4 | 9+ | 6 | 8* | 9+ | 9 | 8 | 9 | 9+ | - | 7 | 2* | - | 6* | 9 | 9 | - | 3 | 1 | - | 1* | 8 | - | 2 |
| 3 | 9 | - | 9+ | 9 | - | - | 9+ | 9 | - | 9+ | 9 | 5 | 6 | 9+ | 2 | 8 | 9+ | 9 | 9 | 9 | 9+ | 2* | 5* | 4 | 3* | 5* | 9 | 4 | - | - | 1 | - | - | 2 | - | 3 |
| 4 | 9 | - | 9+ | 9 | - | 4 | 9+ | 9 | - | 9+ | 9 | 3 | 8 | 9+ | 1* | 7 | 9+ | 9 | 8 | 9 | 9+ | 4* | 4* | 2 | 4* | 5* | 8 | - | - | - | 1 | - | - | 1 | - | 4 |
| 5 | 8 | - | 9+ | 8 | - | 5 | 9+ | 9 | - | 9+ | 9 | - | 9 | 9+ | 6 | 6 | 9+ | 9 | 7 | 9 | 9+ | 3* | 2* | 1 | 1* | 2* | 8 | - | - | - | 1 | - | - | - | - | 5 |
| 6 | 7 | - | 9+ | 8 | - | 8 | 9+ | 9 | - | 9+ | 9 | - | 9 | 9+ | 8 | 7 | 9 | 8 | 5 | 9 | 9+ | 1* | - | 1 | - | 1* | 6 | - | - | - | 1 | - | - | - | - | 6 |
| 7 | 1 | - | 9+ | 6 | - | 9 | 9+ | 8 | 1 | 9+ | 9 | - | 9 | 9+ | 8 | 7 | 9+ | 9 | 4 | 9 | 9 | - | - | 1 | 4 | - | 2 | - | - | - | 1 | - | - | - | - | 7 |
| 8 | - | - | 9+ | 2 | - | 9 | 9+ | 7 | 5 | 9+ | 8 | - | 9 | 9+ | 7 | 8 | 9 | 8 | 3 | 9 | 9+ | - | 3 | 1 | 1 | 1* | 4 | 2 | - | - | 1 | - | - | - | - | 8 |
| 9 | - | 1 | 9+ | - | - | 9 | 9+ | 4 | 6 | 9+ | 6 | 1 | 9 | 9+ | 6 | 9 | 9 | 6 | 2 | 9 | 9 | - | 2 | 2 | 1 | - | 2 | - | - | - | 1 | - | - | - | - | 9 |
| 10 | - | 4 | 9+ | - | - | 8 | 9+ | 1 | 5 | 9+ | 2 | 1 | 9 | 9+ | 8 | 8 | 9+ | 8 | 4 | 8 | 8 | 1 | 1 | 5 | 4 | 1 | - | - | - | - | 1 | - | - | - | - | 10 |
| 11 | - | 1 | 9+ | - | - | 8 | 9+ | - | 7 | 9+ | - | - | 9 | 9+ | 8 | 8 | 9+ | 8 | 7 | 7 | 9+ | - | 2* | 6 | 5 | 1 | - | 4 | - | - | 1 | - | - | - | - | 11 |
| 12 | - | - | 9+ | - | - | 4 | 9 | - | 4 | 9+ | - | - | 8 | 9+ | 8 | 9 | 9+ | 7 | 7 | 8 | 9 | 6 | 7* | 7 | 7 | 6 | 4* | 6 | - | - | 1 | - | - | - | - | 12 |
| 13 | - | - | 9+ | - | - | - | 5 | - | - | 9+ | - | - | 6 | 9 | 8 | 8 | 9+ | 6 | 7 | 8 | 9+ | 6 | 7 | 8 | 8 | 7 | 4* | 9 | - | - | 1 | - | - | - | - | 13 |
| 14 | - | - | 9+ | - | - | - | - | - | - | 9+ | - | - | 1 | 8 | 7 | 8 | 9+ | 6 | 6 | 6 | 9+ | 5 | 8 | 8 | 7 | 6 | 4* | 9 | - | 3* | 1 | - | 2* | - | - | 14 |
| 15 | - | - | 9 | - | - | - | - | - | - | 9+ | - | - | - | 7 | 7 | 5 | 9+ | 6 | 4 | 7 | 9+ | 4 | 8 | 9 | 8 | 6 | 4* | 8 | 1* | 2 | 2 | 4 | 1* | - | - | 15 |
| 16 | - | - | 8 | - | - | - | - | - | - | 9+ | - | - | - | 5 | 6 | 2 | 9+ | 6 | 3 | 8 | 9+ | 4 | 6 | 9 | 8 | 8 | 1* | 9 | 1* | 1* | 2 | 6 | 1 | - | - | 16 |
| 17 | - | - | 6 | - | - | - | - | - | - | 9+ | - | - | - | 2 | 7 | 1 | 9+ | 5 | 2 | 7 | 9+ | 5 | 4 | 9+ | 9 | 8 | 7 | 9+ | 1* | - | 5 | 8 | - | - | 3 | 17 |
| 18 | - | - | 5 | - | - | - | - | - | - | 9+ | - | - | - | 1 | 7 | 1 | 9+ | 7 | 4 | 4 | 9 | 8 | 1* | 9+ | 9 | 7 | 8 | 9+ | - | - | 8 | 9 | - | 6 | 7 | 18 |
| 19 | - | - | 7 | - | - | - | - | - | - | 9+ | - | - | - | 1 | 7 | 2 | 9+ | 8 | 5 | 5 | 9+ | 8 | 1* | 9+ | 9 | 5 | 8 | 9+ | 1 | - | 8 | 9 | - | 8 | 9 | 19 |
| 20 | - | - | 9 | - | - | - | - | - | - | 9+ | 1 | - | - | 2 | 8 | 3 | 9+ | 9 | 7 | 5 | 9+ | 9 | - | 9+ | 9+ | 1 | 8 | 9+ | 1 | - | 8 | 9 | - | 9 | 9 | 20 |
| 21 | - | - | 9+ | - | - | - | - | 2 | - | 9+ | 3 | - | - | 6 | 9 | 5 | 9+ | 9 | 8 | 3 | 9+ | 8 | 1 | 9+ | 9 | - | 9 | 9+ | - | - | 9 | 8 | - | 8 | 9+ | 21 |
| 22 | - | - | 9+ | - | - | - | 3 | 5 | 1* | 9+ | 5 | 2 | - | 9 | 9 | 8 | 9+ | 9 | 9 | 8 | 9+ | 5 | 4 | 9+ | 9 | - | 9 | 9+ | - | - | 9 | - | - | 8 | 9+ | 22 |
| 23 | 3 | - | 9+ | 3 | 1 | - | 7 | 8 | 5* | 9+ | 8 | 6 | - | 9 | 9 | 5 | 9+ | 9 | 9 | 6 | 9+ | - | 7 | 9+ | 7 | 4* | 9 | 9+ | - | 1 | 7 | - | - | 7 | 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., Panama (Panama), for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | 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 | 2 | - | 9 | 9 | 1* | 9+ | 9 | 7 | - | 9+ | 8 | 8* | 9+ | 9+ | 9 | 7 | 9+ | - | 8* | 9+ | 9 | 6* | 9 | 9+ | - | 8 | 3* | - | - | 9 | 9 | 0 |
| 1 | 9 | - | 9+ | 8 | 5 | - | 9+ | 9 | - | 9+ | 9 | 7 | 1 | 9+ | 7 | 7* | 9+ | 9+ | 8 | 9 | 9+ | - | 9* | 9 | 8 | 6* | 9 | 9+ | - | 6 | 1 | - | 2* | 8 | 4 | 1 |
| 2 | 9 | - | 9+ | 9 | 4 | - | 9+ | 9 | - | 9+ | 9 | 7 | 2 | 9+ | 6 | 6 | 9+ | 9 | 8 | 9 | 9+ | - | 8* | 9 | 6 | 6* | 9 | 7 | - | 1* | 1 | - | 3* | 9 | - | 2 |
| 3 | 9 | - | 9+ | 9 | 1 | 1 | 9+ | 9 | - | 9+ | 9 | 6 | 6 | 9+ | 5 | 5 | 9+ | 9+ | 8 | 9 | 9+ | 1* | 7* | 9 | 5* | 5* | 9+ | 4* | - | 4* | 1 | - | 3* | 7 | - | 3 |
| 4 | 9 | - | 9+ | 9 | - | 3 | 9+ | 9 | - | 9+ | 9 | 4 | 8 | 9+ | 1 | 5 | 9+ | 9 | 8 | 9 | 9+ | 2* | 5* | 9 | 4* | 5* | 9 | 1* | - | 4* | 1 | 2* | 5* | 5 | - | 4 |
| 5 | 9 | - | 9+ | 8 | - | 8 | 9+ | 9 | - | 9+ | 9 | 1 | 9 | 9+ | 1 | 6 | 9+ | 9 | 7 | 9+ | 9+ | 3* | 4* | 7 | 5 | 4* | 9 | 1 | 1* | 2* | 1 | 4* | 4* | 2 | - | 5 |
| 6 | 8 | - | 9+ | 8 | - | 8 | 9+ | 8 | 1 | 9+ | 9 | - | 9 | 9+ | 6 | 7 | 9+ | 9 | 6 | 9+ | 9+ | 3* | 4* | 3 | 3 | 4* | 9 | 1 | - | - | 1 | 1* | 1* | - | - | 6 |
| 7 | 6 | - | 9+ | 7 | - | 9 | 9+ | 8 | 4 | 9+ | 9 | - | 9 | 9+ | 8 | 8 | 9+ | 8 | 5 | 9+ | 9+ | 2* | 3* | 2 | 3* | 2* | 7 | 1 | - | - | 1 | - | - | - | - | 7 |
| 8 | - | 1 | 9+ | 2 | - | 9 | 9+ | 7 | 6 | 9+ | 8 | 1 | 9 | 9+ | 7 | 8 | 9 | 8 | 5 | 9+ | 9+ | 2* | 2* | 1 | 2* | 2* | 7 | 2 | - | - | 1 | - | - | - | - | 8 |
| 9 | - | 1 | 9+ | - | - | 9 | 9+ | 4 | 7 | 9+ | 6 | 1 | 9 | 9+ | 7 | 8 | 9+ | 8 | 4 | 9 | 9 | 1* | 2 | 2 | - | - | 5 | - | - | - | 1 | - | - | - | - | 9 |
| 10 | - | 4 | 9+ | - | - | 8 | 9+ | 2 | 7 | 9+ | 2 | 1 | 9 | 9+ | 8 | 8 | 9+ | 8 | 4 | 8 | 9 | 3 | 1* | 2 | 5 | 1 | 1* | - | - | - | 2 | - | - | - | - | 10 |
| 11 | - | 2 | 9+ | - | - | 8 | 9+ | - | 6 | 9+ | - | 1 | 8 | 9+ | 8 | 7 | 9+ | 8 | 7 | 6 | 9+ | 6 | 5* | 2 | 9 | 5 | 3* | 5 | - | - | 1 | - | - | - | - | 11 |
| 12 | - | - | 9+ | - | - | 4 | 9 | - | 5 | 9+ | - | - | 8 | 9+ | 8 | 8 | 9+ | 6 | 8 | 9 | 9+ | 8 | 6* | 9 | 8 | 7 | 7* | 9 | - | - | 1 | 1 | - | - | - | 12 |
| 13 | - | - | 9+ | - | - | - | 5 | - | 2 | 9+ | - | - | 5 | 9 | 7 | 8 | 9+ | 4 | 6 | 9 | 9+ | 8 | 8 | 9 | 8 | 7 | 5* | 9+ | 1* | 1* | 1 | 4 | 4* | 1* | 1 | 13 |
| 14 | - | - | 9+ | - | - | - | - | - | - | 9+ | - | - | 4 | 8 | 5 | 7 | 9+ | 4* | 4 | 7 | 9+ | 8 | 9 | 9 | 8 | 7* | 5* | 9+ | 1* | - | 1 | 5 | 3* | - | 2 | 14 |
| 15 | - | - | 9 | - | - | - | - | - | - | 9+ | - | - | - | 6 | 5 | 5 | 9+ | 4 | 3 | 5 | 9+ | 7 | 9 | 9 | 8 | 6 | 5* | 9+ | 1* | 7 | 1 | 7 | 2 | - | 4 | 15 |
| 16 | - | - | 7 | - | - | - | - | - | - | 9+ | - | - | - | 3 | 5 | 2 | 9+ | 5 | 2 | 7 | 9+ | 7 | 7 | 9+ | 9 | 6 | 5* | 9+ | - | 4* | 1 | 9 | 4 | 1* | 5 | 16 |
| 17 | - | - | 5 | - | - | - | - | - | - | 9+ | - | - | - | 1 | 5 | 1 | 9+ | 5 | 2 | 5 | 9+ | 8 | 5* | 9+ | 9 | 7 | 8 | 9+ | - | 1* | 2 | 9 | - | - | 8 | 17 |
| 18 | - | - | 5 | - | - | - | - | - | - | 9+ | - | - | - | - | 7 | 1 | 9+ | 7 | 4 | 4 | 9 | 8 | 2* | 9+ | 9 | 6 | 8 | 9+ | 1 | - | 7 | 9 | - | 8 | 9 | 18 |
| 19 | - | - | 7 | - | - | - | - | - | - | 9+ | - | - | - | - | 8 | 1 | 9+ | 8 | 5 | 2 | 9+ | 9 | 1* | 9+ | 9 | 2* | 8 | 9+ | 1 | - | 9 | 9 | - | 9 | 9+ | 19 |
| 20 | - | - | 9 | - | - | - | - | - | - | 9+ | - | - | - | 2 | 8 | 3 | 9+ | 9 | 7 | 2 | 9+ | 8 | - | 9+ | 9+ | 1 | 8 | 9+ | - | - | 9+ | 9 | - | 9 | 9+ | 20 |
| 21 | - | - | 9+ | - | - | - | - | 3 | - | 9+ | 3 | 1 | - | 7 | 9 | 4 | 9+ | 9 | 8 | 3 | 9+ | 7 | 2 | 9+ | 9+ | - | 8 | 9+ | - | - | 9+ | 9 | - | 9 | 9+ | 21 |
| 22 | - | - | 9+ | 1 | - | - | 5 | 7 | 1* | 9+ | 7 | 4 | - | 9 | 9 | 7 | 9+ | 9 | 8 | 8 | 9+ | 2 | 5 | 9+ | 9 | - | 8 | 9+ | - | - | 9+ | 6 | - | 8 | 9+ | 22 |
| 23 | 4 | - | 9+ | 5 | 1 | - | 8 | 8 | 4* | 9+ | 9 | 6 | - | 9 | 9 | 7 | 9+ | 9+ | 9 | 7* | 9+ | - | 7 | 9+ | 9 | 1 | 9 | 9+ | - | 2* | 6 | 2 | - | 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., Panama (Panama), for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

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

Dec., Panama (Panama), for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

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

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., Panama (Panama), for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

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

Feb., Panama (Panama), for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

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

Mar., Panama (Panama), for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

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

Apr., Panama (Panama), for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | 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 | 6 | - | 9+ | 8 | 1 | - | 9 | 9 | 1* | 9+ | 9 | 6 | - | 9+ | 5 | 8* | 9+ | 9 | 8 | 7 | 9+ | - | 8* | 9 | 8 | 6* | 9 | 9+ | - | 7 | 2* | - | - | 9 | 9+ | 0 |
| 1 | 8 | - | 9+ | 8 | 5 | - | 9+ | 9 | - | 9+ | 9 | 7 | - | 9+ | 1 | 8 | 9+ | 9 | 8 | 8 | 9+ | - | 9* | 9 | 6 | 6* | 9 | 9+ | - | 8 | 1 | - | 1* | 9 | 6 | 1 |
| 2 | 9 | - | 9+ | 9 | 4 | - | 9+ | 9 | - | 9+ | 9 | 7 | 2 | 9+ | 1 | 7 | 9+ | 9+ | 8 | 9 | 9+ | - | 8* | 9+ | 1 | 6* | 9 | 9 | - | 5* | 1 | - | 5* | 9 | - | 2 |
| 3 | 9 | - | 9+ | 9 | 1 | - | 9+ | 9 | - | 9+ | 9 | 6 | 6 | 9+ | 1* | 5 | 9+ | 9+ | 7 | 9 | 9+ | 2* | 7* | 9+ | 1* | 6* | 9 | 3* | - | 5* | 1 | - | 4* | 4 | - | 3 |
| 4 | 9 | - | 9+ | 9 | - | 3 | 9+ | 9 | - | 9+ | 9 | 4 | 8 | 9+ | 1* | 4 | 9+ | 9+ | 9 | 9 | 9+ | 3* | 5* | 9 | 4* | 5* | 9 | 1* | - | 4* | 1 | - | 5* | 1* | - | 4 |
| 5 | 9 | - | 9+ | 9 | - | 6 | 9+ | 9 | 1 | 9+ | 9 | 2 | 9 | 9+ | 2 | 4 | 9+ | 9 | 7 | 9+ | 9 | 4* | 4* | 7 | 7 | 5* | 8 | - | - | 1* | 1 | 1* | 2* | 1 | - | 5 |
| 6 | 8 | - | 9+ | 8 | - | 8 | 9+ | 9 | 1 | 9+ | 9 | 1 | 9 | 9+ | 7 | 4 | 9+ | 8 | 6 | 9+ | 9 | 4* | 3* | 3 | 4 | 3* | 8 | - | - | - | 1 | - | - | - | - | 6 |
| 7 | 6 | - | 9+ | 7 | - | 9 | 9+ | 8 | 3 | 9+ | 8 | 1 | 9 | 9+ | 8 | 6 | 9+ | 9 | 4 | 9 | 9 | 1* | 2* | 2 | 4 | 1* | 6 | 1* | - | - | 1 | - | - | - | - | 7 |
| 8 | 1 | - | 9+ | 5 | - | 9 | 9+ | 7 | 5 | 9+ | 8 | 1 | 9 | 9+ | 7 | 7 | 9 | 7 | 3 | 9 | 9+ | 1* | 1* | 1 | 2* | 1* | 6 | 1 | - | - | 1 | - | - | - | - | 8 |
| 9 | - | 1 | 9+ | 1 | - | 9 | 9+ | 5 | 6 | 9+ | 6 | 2 | 9 | 9+ | 6 | 8 | 6 | 5 | 1 | 9 | 9 | - | 1 | 1 | - | - | 3 | - | - | - | 1 | - | - | - | - | 9 |
| 10 | - | 4 | 9+ | - | - | 9 | 9+ | 3 | 6 | 9+ | 4 | 2 | 9 | 9+ | 7 | 8 | 8 | 8 | 2 | 7 | 7 | 1 | - | 2 | 2 | - | - | - | - | - | 2 | - | - | - | - | 10 |
| 11 | - | 1 | 9+ | - | - | 8 | 9+ | - | 5 | 9+ | - | 3 | 8 | 9+ | 8 | 6 | 9+ | 8 | 6 | 5 | 9 | - | 1* | 2 | 5 | - | - | 1 | - | - | 1 | - | - | - | - | 11 |
| 12 | - | - | 9+ | - | - | 5 | 9 | - | 5 | 9+ | - | 1 | 8 | 9+ | 8 | 8 | 9+ | 7 | 8 | 8 | 9+ | 5 | 7* | 2 | 9 | 5 | 4* | 3 | - | - | 1 | - | - | - | - | 12 |
| 13 | - | - | 9+ | - | - | - | 6 | - | 1 | 9+ | - | - | 7 | 9 | 9 | 9 | 9+ | 8 | 6 | 9 | 9+ | 7 | 7* | 9 | 9 | 6* | 5* | 8 | - | - | 1 | 4 | 4* | - | - | 13 |
| 14 | - | - | 9+ | - | - | - | 1 | - | - | 9+ | - | - | 2 | 9 | 7 | 8 | 9+ | 5 | 5* | 4 | 9+ | 5 | 8 | 6 | 9 | 7* | 5* | 9 | - | 4* | 1 | 6 | 3* | - | - | 14 |
| 15 | - | - | 9 | - | - | - | - | - | - | 9+ | - | - | - | 7 | 6 | 6 | 9+ | 5 | 2 | 6 | 9+ | 5 | 9 | 8 | 9 | 7* | 6* | 9 | 1* | 2* | 1 | 8 | 3* | 2* | - | 15 |
| 16 | - | - | 8 | - | - | - | - | - | - | 9+ | - | - | - | 4 | 6 | 3 | 9+ | 4 | 2 | 6 | 9+ | 6 | 8 | 9+ | 9 | 7 | 4* | 9+ | - | 3* | 1 | 9 | 5 | - | - | 16 |
| 17 | - | - | 6 | - | - | - | - | - | - | 9+ | - | - | - | 2 | 5 | 1 | 9+ | 5 | 3 | 6 | 9+ | 7 | 5 | 9+ | 9 | 7 | 8 | 9+ | - | 1* | 1 | 9 | - | - | 1 | 17 |
| 18 | - | - | 5 | - | - | - | - | - | - | 9+ | - | - | - | 1 | 5 | 1 | 9+ | 7 | 3 | 4 | 9 | 8 | 2* | 9+ | 9 | 5 | 8 | 9+ | - | - | 6 | 9 | - | 7 | 8 | 18 |
| 19 | - | - | 7 | - | - | - | - | - | - | 9+ | - | - | - | - | 7 | 2 | 9+ | 8 | 5 | 4 | 9+ | 9 | 1* | 9+ | 9 | 2* | 8 | 9+ | - | - | 9 | 9 | - | 8 | 9+ | 19 |
| 20 | - | - | 9 | - | - | - | - | - | - | 9+ | - | - | - | 2 | 8 | 2* | 9+ | 9 | 6 | 3 | 9+ | 8 | - | 9+ | 9 | - | 9 | 9+ | - | - | 9 | 9 | - | 8 | 9+ | 20 |
| 21 | - | - | 9+ | - | - | - | - | 2 | - | 9+ | 2 | 1 | - | 6 | 9 | 5* | 9+ | 9 | 7 | 3 | 9+ | 6 | 1 | 9+ | 9 | - | 8 | 9+ | - | - | 9 | 6 | - | 8 | 9+ | 21 |
| 22 | - | - | 9+ | - | - | - | 3 | 6 | - | 9+ | 6 | 4 | - | 9 | 9 | 7 | 9+ | 9 | 8 | 7 | 9+ | - | 5 | 9+ | 9 | - | 8 | 9+ | - | - | 9 | 1 | - | 9 | 9+ | 22 |
| 23 | 2 | - | 9+ | 4 | - | - | 7 | 8 | 4* | 9+ | 8 | 5 | - | 9 | 8 | 7 | 9+ | 9+ | 8 | 6 | 9+ | - | 6 | 9+ | 9 | - | 9 | 9+ | - | - | 4* | - | - | 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, Panama (Panama), for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

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

Jul., Panama (Panama), for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | 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 | 5 | - | 9+ | 7 | 1 | - | 9 | 8 | 1* | 9+ | 9 | 7 | - | 9+ | 9 | 7 | 9+ | 9 | 9 | 8 | 9+ | - | 8 | 9+ | 1 | 7* | 9 | 9+ | - | 4 | 1 | - | 1* | 6 | 9 | 0 |
| 1 | 8 | - | 9+ | 8 | 4 | - | 9+ | 9 | - | 9+ | 9 | 8 | - | 9+ | 8 | 8 | 9+ | 9 | 8 | 8 | 9+ | - | 8 | 8 | - | 5* | 9 | 9+ | - | 6 | 1 | - | - | 8 | 5 | 1 |
| 2 | 9 | - | 9+ | 9 | 2 | - | 9+ | 9 | - | 9+ | 9 | 7 | 1 | 9+ | 3 | 8 | 9+ | 9 | 8 | 9 | 9+ | - | 7 | 2 | - | 6* | 9 | 9 | - | 2 | 1 | - | - | 5 | - | 2 |
| 3 | 9 | - | 9+ | 9 | - | - | 9+ | 9 | - | 9+ | 9 | 6 | 5 | 9+ | 4 | 9 | 9+ | 9 | 9 | 9 | 9+ | 1* | 5 | 1 | 1* | 4* | 8 | 6 | - | - | 1 | - | - | - | - | 3 |
| 4 | 9 | - | 9+ | 9 | - | 3 | 9+ | 9 | - | 9+ | 9 | 4 | 8 | 9+ | 6 | 8 | 9 | 9 | 8 | 9 | 9+ | - | - | 1 | - | 1* | 2 | - | - | - | 1 | - | - | - | - | 4 |
| 5 | 8 | - | 9+ | 8 | - | 6 | 9+ | 9 | - | 9+ | 9 | - | 9 | 9+ | 6 | 6 | 9 | 9 | 6 | 9 | 9 | - | - | 1 | 5 | - | - | - | - | - | 1 | - | - | - | - | 5 |
| 6 | 6 | - | 9+ | 8 | - | 8 | 9+ | 9 | - | 9+ | 9 | - | 9 | 9+ | 6 | 5 | 7 | 8 | 3 | 8 | 8 | - | - | 1 | - | - | - | - | - | - | 1 | - | - | - | - | 6 |
| 7 | 1 | - | 9+ | 7 | - | 9 | 9+ | 8 | 1 | 9+ | 9 | - | 9 | 9+ | 6 | 6 | 9 | 9 | 4 | 8 | 5 | - | - | 1 | 2 | - | - | - | - | - | 1 | - | - | - | - | 7 |
| 8 | - | - | 9+ | 3 | - | 9 | 9+ | 7 | 5 | 9+ | 8 | - | 9 | 9+ | 5 | 8 | 9 | 7 | 2 | 9 | 9 | - | - | 1 | - | - | - | - | - | - | 1 | - | - | - | - | 8 |
| 9 | - | 1 | 9+ | - | - | 9 | 9+ | 4 | 6 | 9+ | 6 | - | 9 | 9+ | 5 | 8 | 9 | 5 | 1 | 9 | 9 | - | - | 1 | - | - | - | - | - | - | 1 | - | - | - | - | 9 |
| 10 | - | 1 | 9+ | - | - | 8 | 9+ | 1 | 7 | 9+ | 2 | - | 9 | 9+ | 7 | 8 | 9+ | 8 | 2 | 8 | 8 | - | - | 4 | 1 | - | - | - | - | - | 1 | - | - | - | - | 10 |
| 11 | - | - | 9+ | - | - | 8 | 9+ | - | 6 | 9+ | - | - | 9 | 9+ | 8 | 7 | 9+ | 8 | 7 | 7 | 9+ | - | - | 7 | - | - | - | 1 | - | - | 1 | - | - | - | - | 11 |
| 12 | - | - | 9+ | - | - | 4 | 9 | - | 4 | 9+ | - | - | 8 | 9+ | 8 | 8 | 9+ | 8 | 8 | 8 | 9+ | 2 | 1* | 8 | 4 | 3 | - | - | - | - | 1 | - | - | - | - | 12 |
| 13 | - | - | 9+ | - | - | - | 5 | - | 1 | 9+ | - | - | 5 | 9 | 8 | 9 | 9+ | 7 | 8 | 8 | 9+ | 1 | 5* | 9 | 2 | 2 | 1* | 7 | - | - | 1 | - | - | - | - | 13 |
| 14 | - | - | 9+ | - | - | - | 1 | - | - | 9+ | - | - | 2 | 8 | 8 | 8 | 9+ | 7 | 6 | 6 | 9+ | 2* | 5 | 9 | 4 | 6* | - | 7 | - | - | 2 | - | 1* | - | - | 14 |
| 15 | - | - | 9+ | - | - | - | - | - | - | 9+ | - | - | - | 7 | 8 | 7 | 9+ | 7 | 5 | 4 | 9+ | 2 | 2* | 9 | 7 | 5* | - | 2 | - | - | 2 | 1 | - | - | - | 15 |
| 16 | - | - | 9 | - | - | - | - | - | - | 9+ | - | - | - | 5 | 7 | 4 | 9+ | 7 | 4 | 8 | 9+ | 2 | 1* | 9 | 8 | 6 | - | 7 | - | - | 3 | 3 | - | - | - | 16 |
| 17 | - | - | 7 | - | - | - | - | - | - | 9+ | - | - | - | 3 | 7 | 1 | 9+ | 8 | 3 | 8 | 9+ | 1 | 1 | 9 | 9 | 8 | 3 | 8 | - | - | 5 | 7 | - | - | - | 17 |
| 18 | - | - | 7 | - | - | - | - | - | - | 9+ | - | - | - | 1 | 7 | 1 | 9+ | 8 | 4 | 8 | 9+ | 5 | - | 9+ | 9 | 7 | 8 | 9 | - | - | 6 | 7 | - | 1 | 3 | 18 |
| 19 | - | - | 8 | - | - | - | - | - | - | 9+ | - | - | - | 1 | 7 | 2 | 9+ | 8 | 5 | 7 | 9+ | 8 | - | 9+ | 9 | 4 | 8 | 9+ | - | - | 7 | 6 | - | 5 | 7 | 19 |
| 20 | - | - | 9 | - | - | - | - | - | - | 9+ | - | - | - | 3 | 8 | 3 | 9+ | 8 | 7 | 7 | 9+ | 8 | - | 9+ | 9 | 2 | 8 | 9+ | - | - | 8 | 8 | - | 5 | 8 | 20 |
| 21 | - | - | 9+ | - | - | - | - | 1 | - | 9+ | 2 | - | - | 6 | 9 | 6 | 9+ | 9 | 8 | 5 | 9+ | 8 | 2 | 9+ | 9 | 1 | 8 | 9+ | - | - | 8 | 4 | - | 5 | 9 | 21 |
| 22 | - | - | 9+ | - | - | - | 3 | 4 | - | 9+ | 5 | 2 | - | 8 | 9 | 8 | 9+ | 9 | 9 | 7 | 9+ | 5 | 2* | 9+ | 8 | 1* | 9 | 9+ | - | - | 8 | - | - | 5 | 9 | 22 |
| 23 | 1 | - | 9+ | 3 | 1 | - | 7 | 7 | 5* | 9+ | 8 | 6 | - | 9 | 9 | 7 | 9+ | 9 | 9 | 6 | 9+ | 1 | 7 | 9+ | 6 | 3* | 9 | 9+ | - | - | 6 | - | - | 5 | 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., Panama (Panama), for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | 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 | 7 | - | 9+ | 8 | 2 | - | 9 | 9 | 1* | 9+ | 9 | 7 | - | 9+ | 8 | 6 | 9+ | 9 | 7 | 8 | 9+ | - | 8 | 9 | - | 6* | 9 | 9+ | - | 6 | 1 | - | 1* | 7 | 9 | 0 |
| 1 | 9 | - | 9+ | 9 | 5 | - | 9+ | 9 | - | 9+ | 9 | 8 | - | 9+ | 6 | 8* | 9+ | 8 | 8 | 8 | 9+ | - | 8 | 5 | - | 5* | 9 | 9+ | - | 7 | 1 | - | 1* | 8 | 5 | 1 |
| 2 | 9 | - | 9+ | 9 | 2 | - | 9+ | 9 | - | 9+ | 9 | 7 | 2 | 9+ | 1 | 8 | 9+ | 8 | 8 | 9 | 9+ | - | 7 | 2 | - | 6* | 9 | 8 | - | 1 | 1 | - | - | 7 | - | 2 |
| 3 | 9 | - | 9+ | 9 | - | - | 9+ | 9 | - | 9+ | 9 | 6 | 6 | 9+ | 1* | 7 | 9+ | 7 | 7 | 9 | 9+ | 1* | 3* | 1 | 1* | 5* | 9 | - | - | - | 1 | - | - | - | - | 3 |
| 4 | 9 | - | 9+ | 9 | - | 4 | 9+ | 9 | - | 9+ | 9 | 4 | 8 | 9+ | 1* | 5 | 9+ | 7 | 6 | 9 | 9 | 3* | 2* | 1 | 1* | 3* | 6 | - | - | - | 1 | - | - | - | - | 4 |
| 5 | 9 | - | 9+ | 8 | - | 7 | 9+ | 9 | - | 9+ | 9 | 1 | 9 | 9+ | 2 | 5 | 9 | 8 | 4 | 9 | 8 | 1* | - | 1 | - | 1* | 5 | - | - | - | 1 | - | - | - | - | 5 |
| 6 | 8 | - | 9+ | 8 | - | 8 | 9+ | 9 | - | 9+ | 9 | - | 9 | 9+ | 2 | 4 | 9 | 7 | 1 | 9 | 8 | - | - | 1 | - | - | 2 | - | - | - | 1 | - | - | - | - | 6 |
| 7 | 1 | - | 9+ | 7 | - | 9 | 9+ | 8 | 4 | 9+ | 8 | - | 9 | 9+ | 6 | 5 | 9 | 8 | 2 | 8 | 7 | - | - | 1 | - | - | - | - | - | - | 1 | - | - | - | - | 7 |
| 8 | - | - | 9+ | 3 | - | 9 | 9+ | 7 | 5 | 9+ | 8 | 1 | 9 | 9+ | 4 | 7 | 9 | 5 | 1 | 9 | 9 | - | - | 2 | - | - | 1 | - | - | - | 1 | - | - | - | - | 8 |
| 9 | - | 1 | 9+ | - | - | 9 | 9+ | 4 | 7 | 9+ | 6 | 1 | 9 | 9+ | 4 | 8 | 9+ | 4 | 1 | 8 | 9 | - | - | 5 | - | - | - | - | - | - | 1 | - | - | - | - | 9 |
| 10 | - | 4 | 9+ | - | - | 9 | 9+ | 1 | 7 | 9+ | 2 | 1 | 9 | 9+ | 7 | 7 | 9+ | 8 | 2 | 7 | 6 | - | - | 6 | 2 | - | - | - | - | - | 1 | - | - | - | - | 10 |
| 11 | - | 1 | 9+ | - | - | 8 | 9+ | - | 6 | 9+ | - | 1 | 9 | 9+ | 8 | 6 | 9+ | 8 | 6 | 5 | 9+ | - | - | 7 | 2 | - | - | 1 | - | - | 1 | - | - | - | - | 11 |
| 12 | - | - | 9+ | - | - | 4 | 9 | - | 4 | 9+ | - | 1 | 8 | 9+ | 8 | 9 | 9+ | 8 | 8 | 8 | 9 | 3 | 4* | 7 | 5 | 3 | - | 2 | - | - | 1 | - | - | - | - | 12 |
| 13 | - | - | 9+ | - | - | - | 6 | - | 1 | 9+ | - | - | 5 | 9 | 8 | 8 | 9+ | 7 | 7 | 7 | 9+ | 3 | 6 | 8 | 5 | 4 | 3* | 9 | - | - | 1 | - | - | - | - | 13 |
| 14 | - | - | 9+ | - | - | - | 1 | - | - | 9+ | - | - | 1 | 8 | 8 | 8 | 9+ | 6 | 5* | 2* | 9+ | 2 | 4 | 8 | 5 | 5* | 5* | 8 | - | - | 2 | - | 1* | - | - | 14 |
| 15 | - | - | 9+ | - | - | - | - | - | - | 9+ | - | - | - | 7 | 7 | 7 | 9+ | 7 | 4 | 4 | 9+ | 3* | 5 | 8 | 7 | 5* | - | 5 | - | - | 2 | 1 | - | - | - | 15 |
| 16 | - | - | 9 | - | - | - | - | - | - | 9+ | - | - | - | 5 | 7 | 3 | 9+ | 7 | 4 | 8 | 9+ | 2* | 2* | 9 | 9 | 6 | - | 8 | - | - | 2 | 5 | 1 | - | - | 16 |
| 17 | - | - | 8 | - | - | - | - | - | - | 9+ | - | - | - | 3 | 7 | 2 | 9+ | 7 | 4 | 8 | 9+ | 2 | 1* | 9 | 9 | 8 | 3 | 9 | - | - | 1 | 7 | - | - | 1 | 17 |
| 18 | - | - | 7 | - | - | - | - | - | - | 9+ | - | - | - | 1 | 8 | 1 | 9+ | 7 | 4 | 8 | 9+ | 5 | - | 9+ | 9 | 7 | 8 | 9+ | - | - | 5 | 8 | - | 3 | 5 | 18 |
| 19 | - | - | 8 | - | - | - | - | - | - | 9+ | - | - | - | 1 | 7 | 2 | 9+ | 8 | 5 | 7 | 9+ | 8 | - | 9+ | 9 | 2 | 8 | 9+ | - | - | 6 | 8 | - | 7 | 8 | 19 |
| 20 | - | - | 9 | - | - | - | - | - | - | 9+ | - | - | - | 3 | 8 | 3 | 9+ | 9 | 8 | 6 | 9+ | 9 | - | 9+ | 9 | - | 8 | 9+ | - | - | 8 | 9 | - | 8 | 9 | 20 |
| 21 | - | - | 9+ | - | - | - | - | 2 | - | 9+ | 2 | - | - | 7 | 9 | 4 | 9+ | 9 | 8 | 5 | 9+ | 8 | 1 | 9+ | 9 | - | 8 | 9+ | - | - | 8 | 6 | - | 8 | 9+ | 21 |
| 22 | - | - | 9+ | 1 | - | - | 4 | 6 | 1* | 9+ | 7 | 5 | - | 9 | 9 | 8 | 9+ | 9 | 8 | 7 | 9+ | 2 | 3 | 9+ | 8 | - | 9 | 9+ | - | - | 9 | - | - | 7 | 9+ | 22 |
| 23 | 3 | - | 9+ | 4 | 1 | - | 8 | 8 | 3* | 9+ | 8 | 7 | - | 9 | 9 | 8 | 9+ | 9 | 8 | 7 | 9+ | - | 7 | 9+ | 1 | 2* | 9 | 9+ | - | - | 5 | - | - | 7 | 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., Panama (Panama), for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

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

Oct., Panama (Panama), for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

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

Dec., Panama (Panama), for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

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