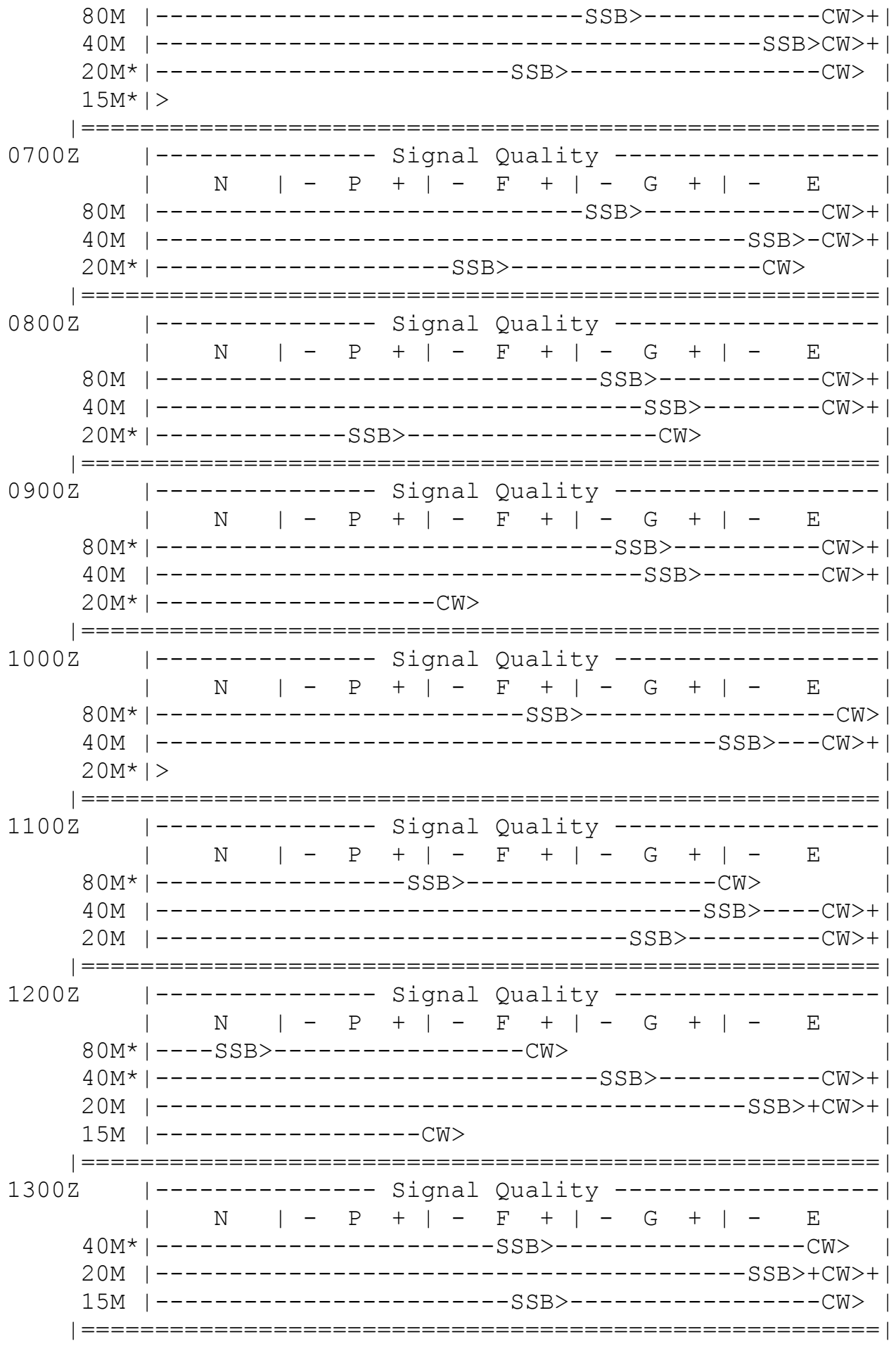
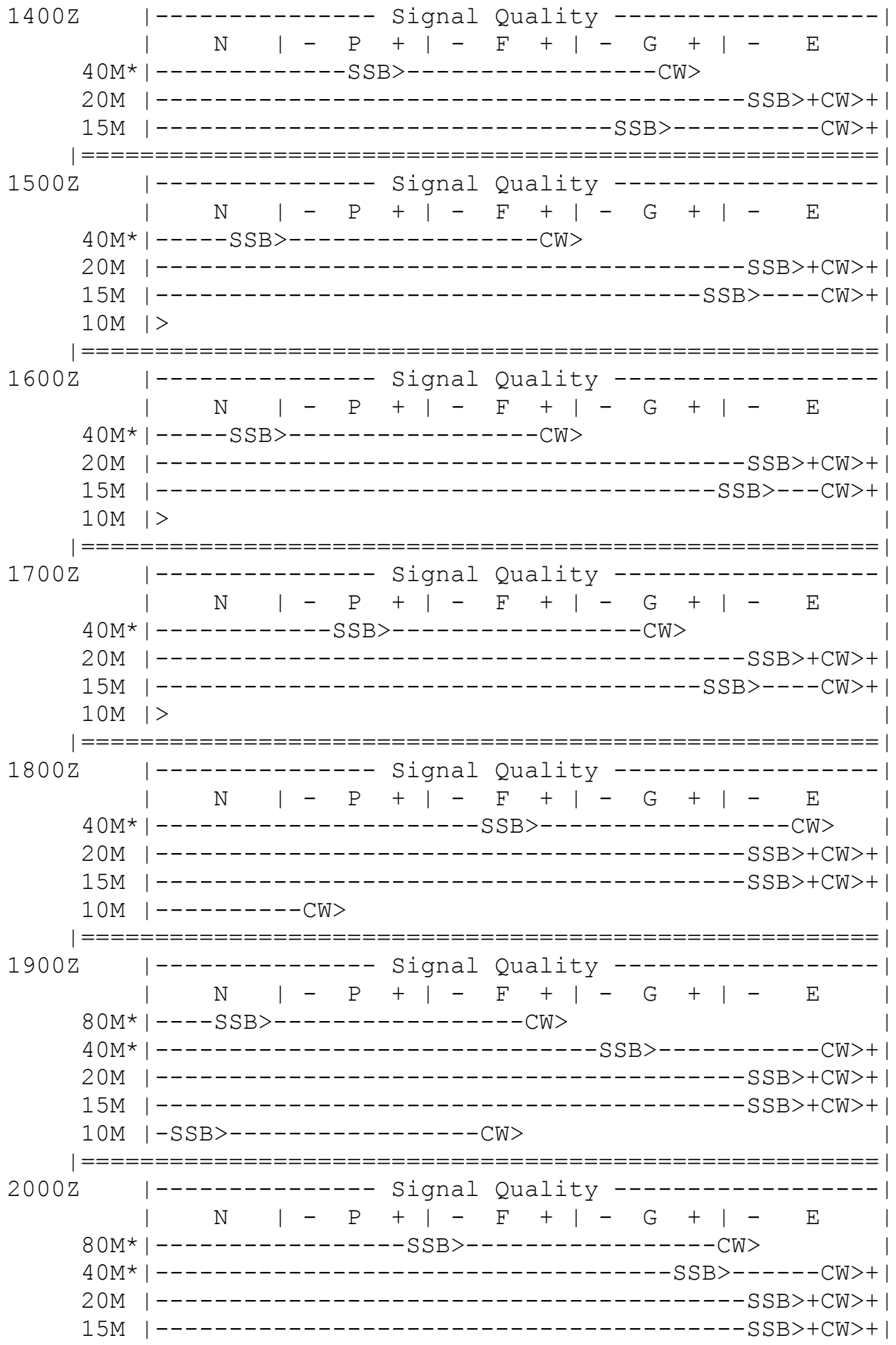
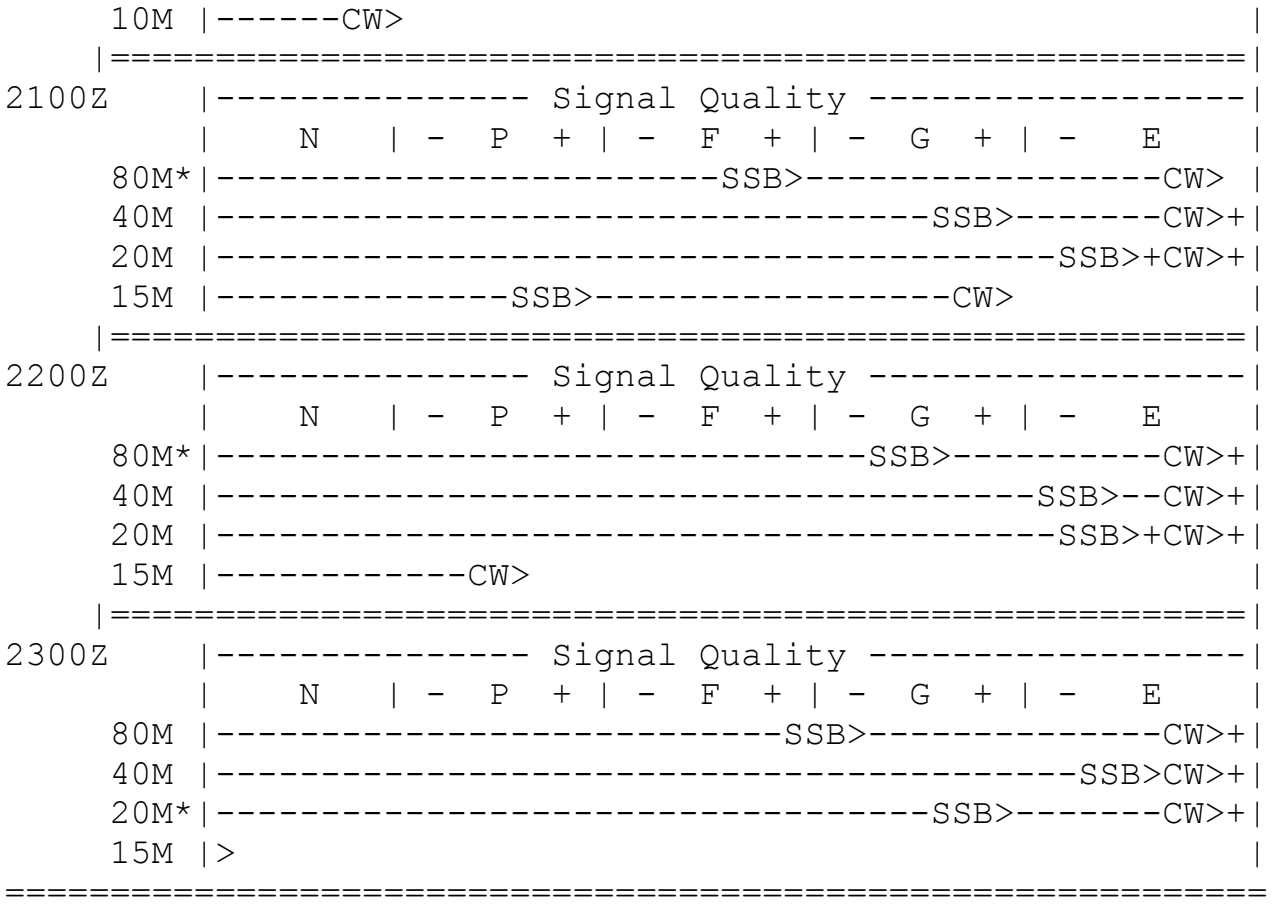
Sao Paulo, SP to CX, Montevideo, MO, Urug

maio 2009, SSN: 14, Coefficients: CCIR, I

```
0000Z    |-------------- Signal Quality -----------------|
         |    N   | -  P  + | -  F  + | -  G  + | -   E    |
     80M |-------------------------SSB>-------------CW>+|
     40M |-----------------------------------------SSB>CW>+|
     20M*|-----------------------------SSB>-----------CW>+|
     15M*|>                                              |
    |=================================================|
0100Z    |-------------- Signal Quality -----------------|
         |    N   | -  P  + | -  F  + | -  G  + | -   E    |
     80M |-------------------------SSB>-------------CW>+|
     40M |-----------------------------------------SSB>-CW>+|
     20M*|-------------------------SSB>------------CW>+|
     15M*|>                                              |
    |=================================================|
0200Z    |-------------- Signal Quality -----------------|
         |    N   | -  P  + | -  F  + | -  G  + | -   E    |
     80M |-------------------------SSB>--------------CW>+|
     40M |-------------------------------------SSB>--CW>+|
     20M*|-------------------------SSB>--------------CW>+|
     15M*|---------CW>                                   |
    |=================================================|
0300Z    |-------------- Signal Quality -----------------|
         |    N   | -  P  + | -  F  + | -  G  + | -   E    |
     80M |-------------------------SSB>-------------CW>+|
     40M |-----------------------------------------SSB>-CW>+|
     20M*|-----------------------------SSB>-------------CW>+|
     15M*|--------------CW>                              |
    |=================================================|
0400Z    |-------------- Signal Quality -----------------|
         |    N   | -  P  + | -  F  + | -  G  + | -   E    |
     80M |-----------------------------SSB>-------------CW>+|
     40M |-----------------------------------------SSB>CW>+|
     20M*|-----------------------------SSB>-------------CW>+|
     15M*|---------------CW>                             |
    |=================================================|
0500Z    |-------------- Signal Quality -----------------|
         |    N   | -  P  + | -  F  + | -  G  + | -   E    |
     80M |-----------------------------SSB>-------------CW>+|
     40M |-----------------------------------------SSB>CW>+|
     20M*|-------------------------SSB>--------------CW>+|
     15M*|----------CW>                                  |
    |=================================================|
0600Z    |-------------- Signal Quality -----------------|
         |    N   | -  P  + | -  F  + | -  G  + | -   E    |
```

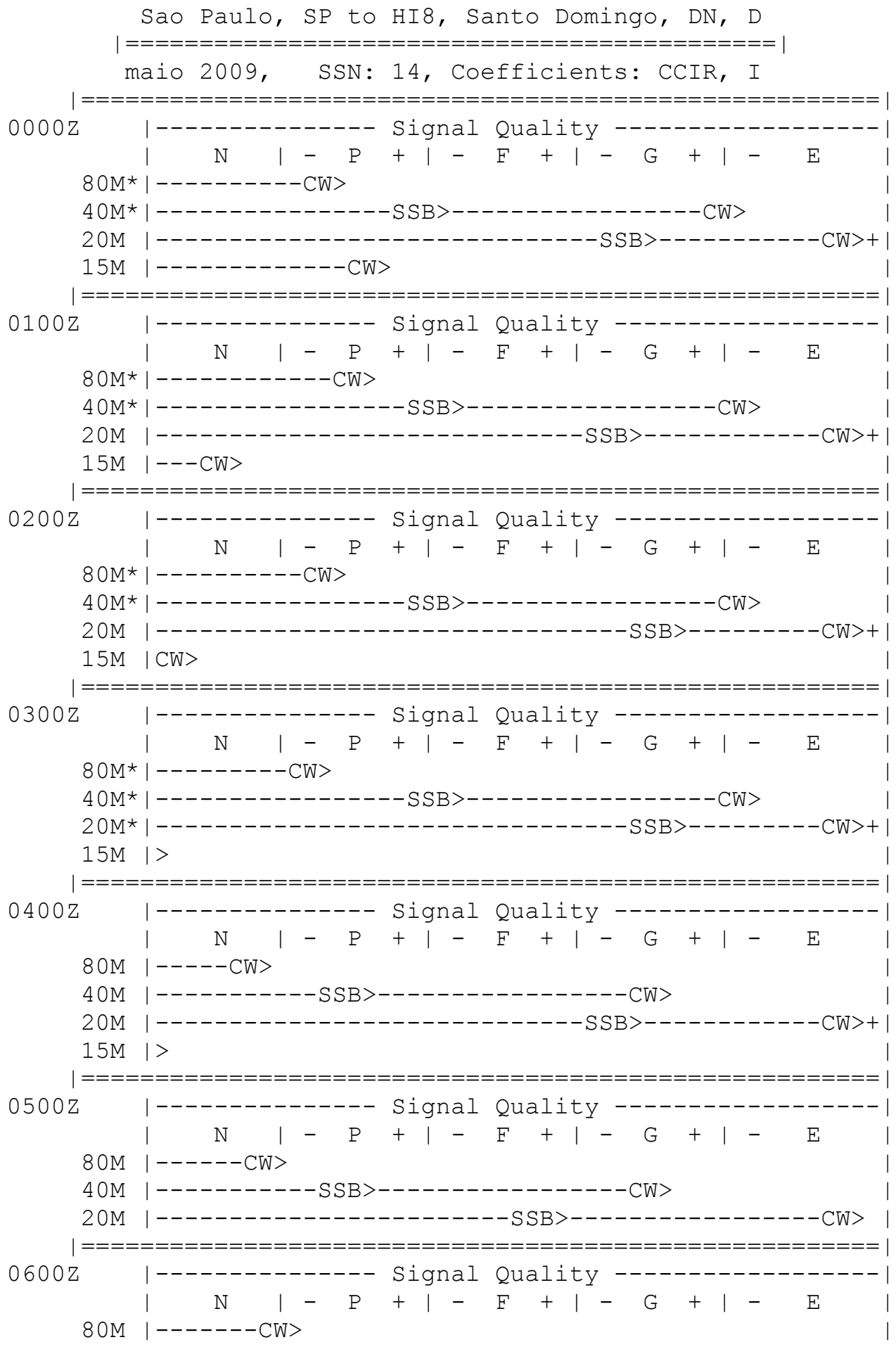

80M |----------SSB>----------CW>+|
40M |----------SSB>CW>+|
20M*|----------SSB>----------CW> |
15M*|> |
0700Z |---------- Signal Quality ----------|
| N | - P + | - F + | - G + | - E |
80M |----------SSB>----------CW>+|
40M |----------SSB>-CW>+|
20M*|----------SSB>----------CW>
0800Z |---------- Signal Quality ----------|
| N | - P + | - F + | - G + | - E |
80M |----------SSB>----------CW>+|
40M |----------SSB>--------CW>+|
20M*|----------SSB>----------CW>
0900Z |---------- Signal Quality ----------|
| N | - P + | - F + | - G + | - E |
80M*|----------SSB>----------CW>+|
40M |----------SSB>--------CW>+|
20M*|----------CW>
1000Z |---------- Signal Quality ----------|
| N | - P + | - F + | - G + | - E |
80M*|----------SSB>----------CW>|
40M |----------SSB>---CW>+|
20M*|>
1100Z |---------- Signal Quality ----------|
| N | - P + | - F + | - G + | - E |
80M*|----------SSB>----------CW>
40M |----------SSB>----CW>+|
20M |----------SSB>---------CW>+|
1200Z |---------- Signal Quality ----------|
| N | - P + | - F + | - G + | - E |
80M*|----SSB>----------CW>
40M*|----------SSB>----------CW>+|
20M |----------SSB>+CW>+|
15M |----------CW>
1300Z |---------- Signal Quality ----------|
| N | - P + | - F + | - G + | - E |
40M*|----------SSB>----------CW>
20M |----------SSB>+CW>+|
15M |----------SSB>----------CW>

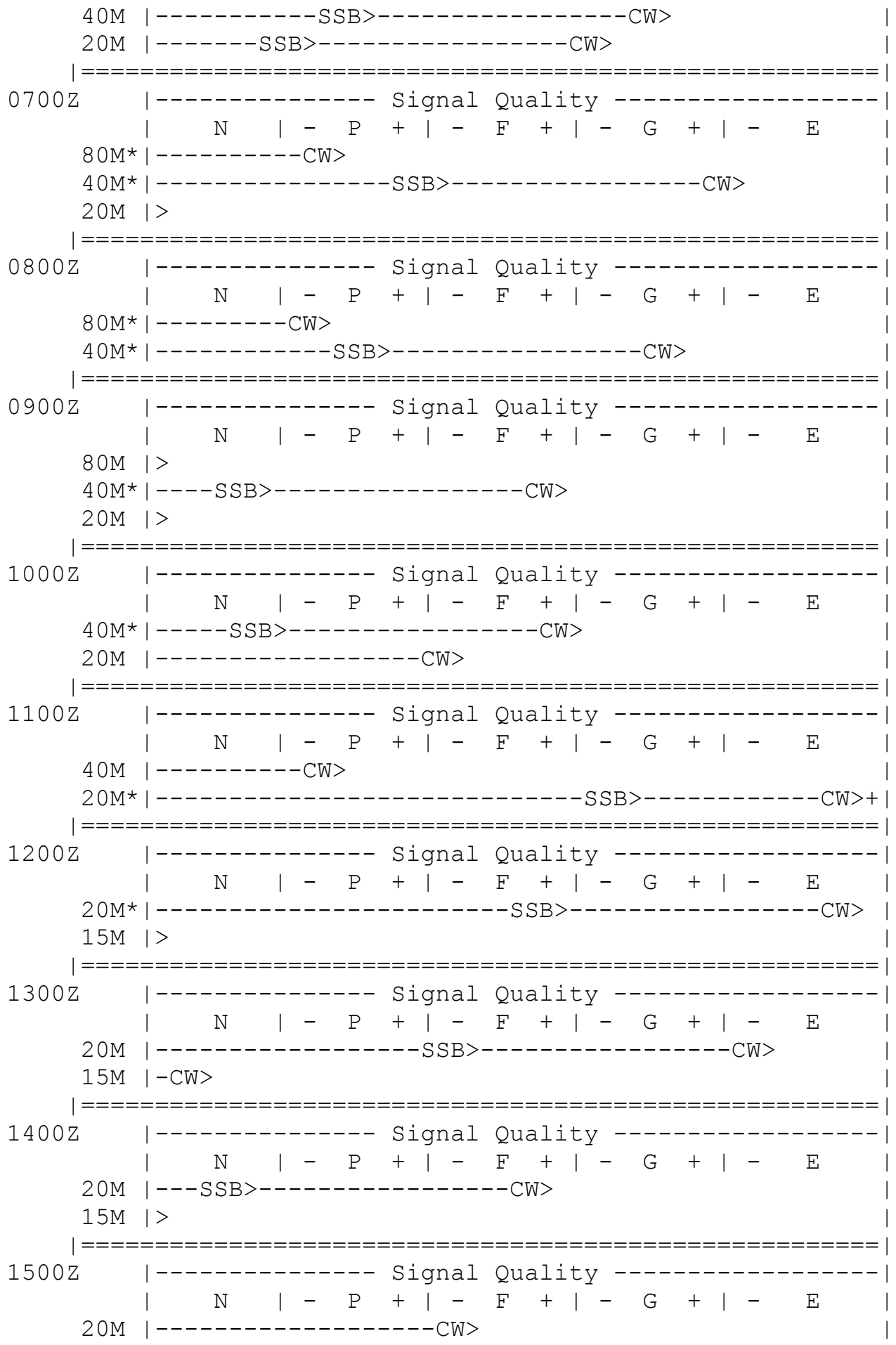

1400Z
Signal Quality
N | - P + | - F + | - G + | - E
40M* SSB> CW>
20M SSB>+CW>+
15M SSB> CW>+
1500Z
Signal Quality
N | - P + | - F + | - G + | - E
40M* SSB> CW>
20M SSB>+CW>+
15M SSB>---- CW>+
10M >
1600Z
Signal Quality
N | - P + | - F + | - G + | - E
40M* SSB> CW>
20M SSB>+CW>+
15M SSB>--- CW>+
10M >
1700Z
Signal Quality
N | - P + | - F + | - G + | - E
40M* SSB> CW>
20M SSB>+CW>+
15M SSB>---- CW>+
10M >
1800Z
Signal Quality
N | - P + | - F + | - G + | - E
40M* SSB> CW>
20M SSB>+CW>+
15M SSB>+CW>+
10M CW>
1900Z
Signal Quality
N | - P + | - F + | - G + | - E
80M* SSB> CW>
40M* SSB> CW>+
20M SSB>+CW>+
15M SSB>+CW>+
10M -SSB> CW>
2000Z
Signal Quality
N | - P + | - F + | - G + | - E
80M* SSB> CW>
40M* SSB>------ CW>+
20M SSB>+CW>+
15M SSB>+CW>+

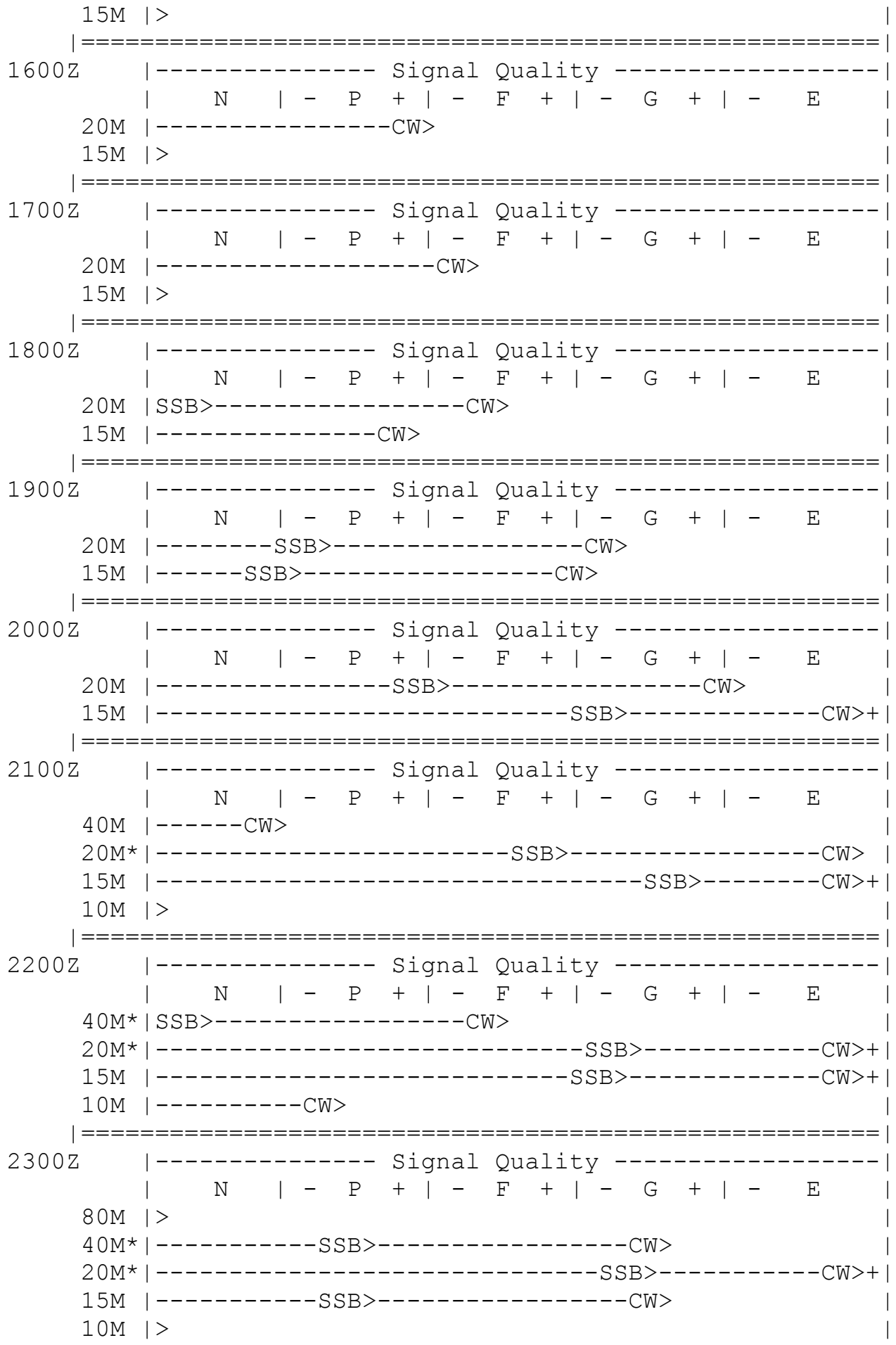


Notes:
1) * due to low TOA, may require better than average antenna.
2) N=Noise, P=Poor, F=Fair, G=Good, E=Excellent

Report by: WinCAP Wizard


Sao Paulo, SP to HI8, Santo Domingo, DN, D
maio 2009, SSN: 14, Coefficients: CCIR, I
0000Z
Signal Quality
N | - P + | - F + | - G + | - E
80M* CW>
40M* SSB> CW>
20M SSB> CW>+
15M CW>
0100Z
Signal Quality
N | - P + | - F + | - G + | - E
80M* CW>
40M* SSB> CW>
20M SSB> CW>+
15M ---CW>
0200Z
Signal Quality
N | - P + | - F + | - G + | - E
80M* CW>
40M* SSB> CW>
20M SSB> CW>+
15M CW>
0300Z
Signal Quality
N | - P + | - F + | - G + | - E
80M* CW>
40M* SSB> CW>
20M* SSB> CW>+
15M >
0400Z
Signal Quality
N | - P + | - F + | - G + | - E
80M -----CW>
40M ----------SSB> CW>
20M SSB> CW>+
15M >
0500Z
Signal Quality
N | - P + | - F + | - G + | - E
80M ------CW>
40M ----------SSB> CW>
20M SSB> CW>
0600Z
Signal Quality
N | - P + | - F + | - G + | - E
80M -------CW>


40M |----------SSB>----------------CW>
20M |-------SSB>----------------CW>
0700Z |-------------- Signal Quality -----------------|
| N | - P + | - F + | - G + | - E |
80M*|----------CW>
40M*|----------------SSB>----------------CW>
20M |>
0800Z |-------------- Signal Quality -----------------|
| N | - P + | - F + | - G + | - E |
80M*|---------CW>
40M*|------------SSB>----------------CW>
0900Z |-------------- Signal Quality -----------------|
| N | - P + | - F + | - G + | - E |
80M |>
40M*|----SSB>----------------CW>
20M |>
1000Z |-------------- Signal Quality -----------------|
| N | - P + | - F + | - G + | - E |
40M*|-----SSB>----------------CW>
20M |-----------------CW>
1100Z |-------------- Signal Quality -----------------|
| N | - P + | - F + | - G + | - E |
40M |----------CW>
20M*|---------------------------SSB>-----------CW>+|
1200Z |-------------- Signal Quality -----------------|
| N | - P + | - F + | - G + | - E |
20M*|----------------------SSB>----------------CW>
15M |>
1300Z |-------------- Signal Quality -----------------|
| N | - P + | - F + | - G + | - E |
20M |-----------------SSB>----------------CW>
15M |-CW>
1400Z |-------------- Signal Quality -----------------|
| N | - P + | - F + | - G + | - E |
20M |---SSB>----------------CW>
15M |>
1500Z |-------------- Signal Quality -----------------|
| N | - P + | - F + | - G + | - E |
20M |-----------------CW>


15M |>
1600Z |---------- Signal Quality ----------
| N | - P + | - F + | - G + | - E |
20M |----------CW>
15M |>
1700Z |---------- Signal Quality ----------
| N | - P + | - F + | - G + | - E |
20M |----------CW>
15M |>
1800Z |---------- Signal Quality ----------
| N | - P + | - F + | - G + | - E |
20M |SSB>----------CW>
15M |----------CW>
1900Z |---------- Signal Quality ----------
| N | - P + | - F + | - G + | - E |
20M |--------SSB>----------CW>
15M |------SSB>----------CW>
2000Z |---------- Signal Quality ----------
| N | - P + | - F + | - G + | - E |
20M |----------SSB>----------CW>
15M |----------SSB>----------CW>+|
2100Z |---------- Signal Quality ----------
| N | - P + | - F + | - G + | - E |
40M |------CW>
20M*|----------SSB>----------CW>
15M |----------SSB>--------CW>+|
10M |>
2200Z |---------- Signal Quality ----------
| N | - P + | - F + | - G + | - E |
40M*|SSB>----------CW>
20M*|----------SSB>----------CW>+|
15M |----------SSB>----------CW>+|
10M |----------CW>
2300Z |---------- Signal Quality ----------
| N | - P + | - F + | - G + | - E |
80M |>
40M*|----------SSB>----------CW>
20M*|----------SSB>----------CW>+|
15M |----------SSB>----------CW>
10M |>

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Notes:

1) * due to low TOA, may require better than average antenna.
2) N=Noise, P=Poor, F=Fair, G=Good, E=Excellent

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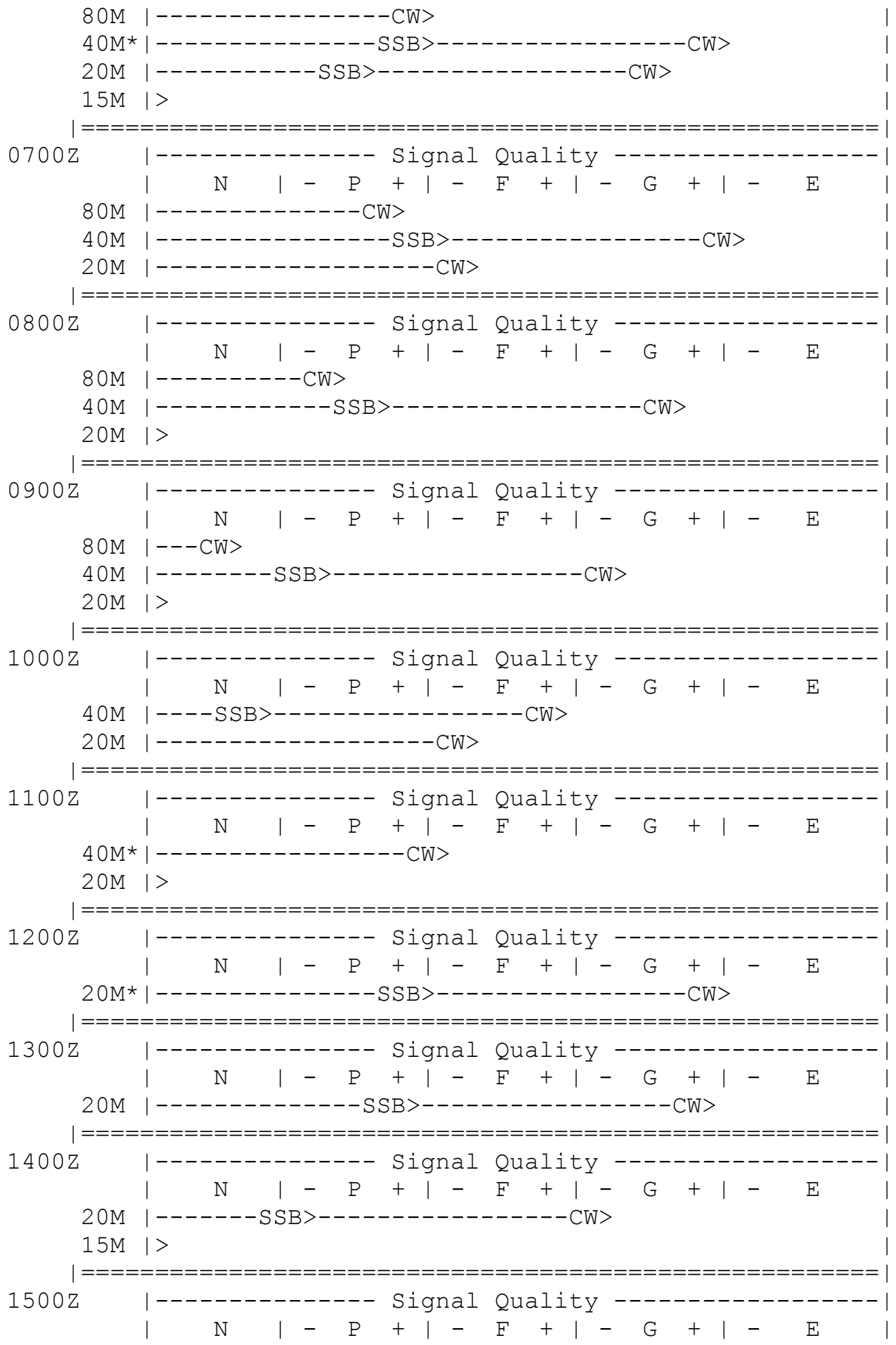
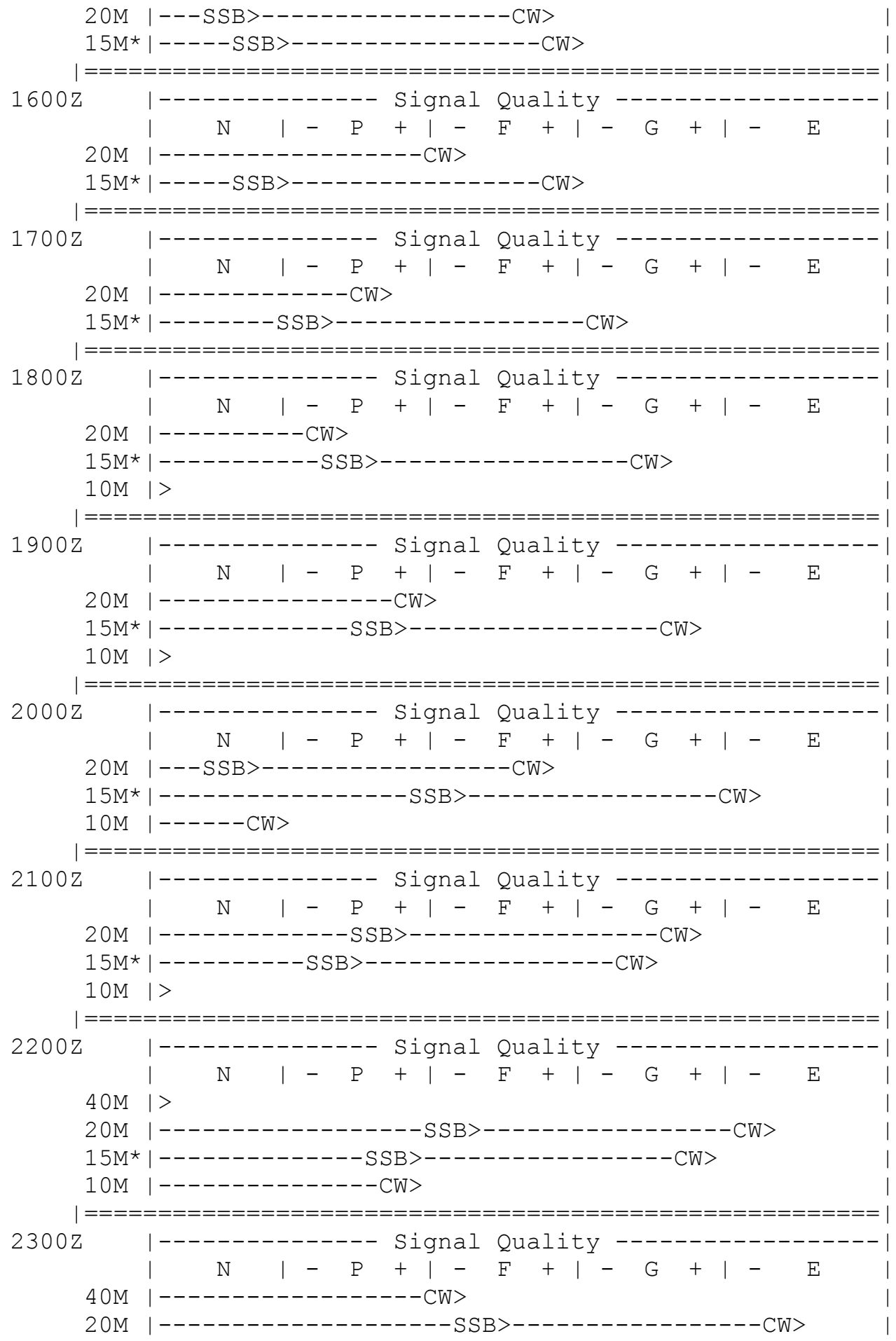
Report by: WinCAP Wizard

```
          Sao Paulo, SP to XE1, Mexico City, DIF, Me
        |=============================================|
         maio 2009,   SSN: 14, Coefficients: CCIR, I
     |=====================================================|
0000Z    |--------------- Signal Quality -----------------|
         |    N   | -  P  + | -  F  + | -  G  + | -   E    |
     40M |----------SSB>-----------------CW>                |
     20M |--------------------SSB>----------------CW>       |
     15M |SSB>-----------------CW>                          |
     10M |>                                                 |
     |=====================================================|
0100Z    |--------------- Signal Quality -----------------|
         |    N   | -  P  + | -  F  + | -  G  + | -   E    |
     80M |----CW>                                           |
     40M |-------------SSB>-----------------CW>             |
     20M |--------------------SSB>----------------CW>       |
     15M |SSB>-----------------CW>                          |
     |=====================================================|
0200Z    |--------------- Signal Quality -----------------|
         |    N   | -  P  + | -  F  + | -  G  + | -   E    |
     80M |----------CW>                                     |
     40M |-------------SSB>-----------------CW>             |
     20M |------------------------SSB>-----------------CW>  |
     15M |------------------CW>                             |
     |=====================================================|
0300Z    |--------------- Signal Quality -----------------|
         |    N   | -  P  + | -  F  + | -  G  + | -   E    |
     80M |-------------CW>                                  |
     40M*|-------------SSB>-----------------CW>             |
     20M |------------------------SSB>-----------------CW>  |
     15M |---------------CW>                                |
     |=====================================================|
0400Z    |--------------- Signal Quality -----------------|
         |    N   | -  P  + | -  F  + | -  G  + | -   E    |
     80M |---------------CW>                                |
     40M |-----------------SSB>-----------------CW>         |
     20M |----------------------SSB>-----------------CW>    |
     15M |-----CW>                                          |
     |=====================================================|
0500Z    |--------------- Signal Quality -----------------|
         |    N   | -  P  + | -  F  + | -  G  + | -   E    |
     80M |---------------CW>                                |
     40M*|---------------SSB>-----------------CW>           |
     20M*|-----------------SSB>-----------------CW>         |
     15M |>                                                 |
     |=====================================================|
0600Z    |--------------- Signal Quality -----------------|
         |    N   | -  P  + | -  F  + | -  G  + | -   E    |
```

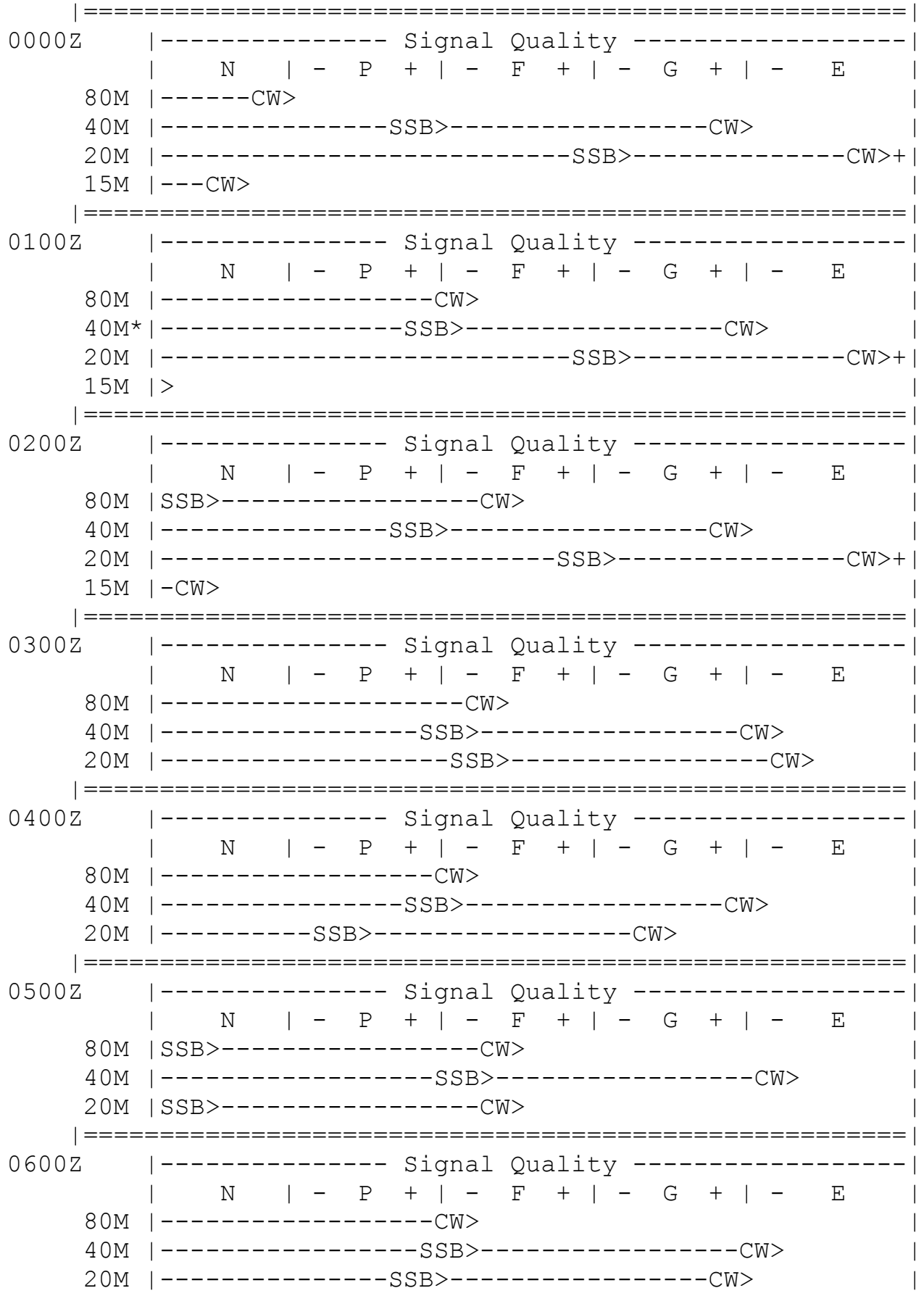

80M |----------CW>
40M*|----------SSB>----------CW>
20M |----------SSB>----------CW>
15M |>
0700Z |---------- Signal Quality ----------|
| N | - P + | - F + | - G + | - E |
80M |----------CW>
40M |----------SSB>----------CW>
20M |----------CW>
0800Z |---------- Signal Quality ----------|
| N | - P + | - F + | - G + | - E |
80M |----------CW>
40M |----------SSB>----------CW>
20M |>
0900Z |---------- Signal Quality ----------|
| N | - P + | - F + | - G + | - E |
80M |---CW>
40M |--------SSB>----------CW>
20M |>
1000Z |---------- Signal Quality ----------|
| N | - P + | - F + | - G + | - E |
40M |----SSB>----------CW>
20M |----------CW>
1100Z |---------- Signal Quality ----------|
| N | - P + | - F + | - G + | - E |
40M*|----------CW>
20M |>
1200Z |---------- Signal Quality ----------|
| N | - P + | - F + | - G + | - E |
20M*|----------SSB>----------CW>
1300Z |---------- Signal Quality ----------|
| N | - P + | - F + | - G + | - E |
20M |----------SSB>----------CW>
1400Z |---------- Signal Quality ----------|
| N | - P + | - F + | - G + | - E |
20M |-------SSB>----------CW>
15M |>
1500Z |---------- Signal Quality ----------|
| N | - P + | - F + | - G + | - E |

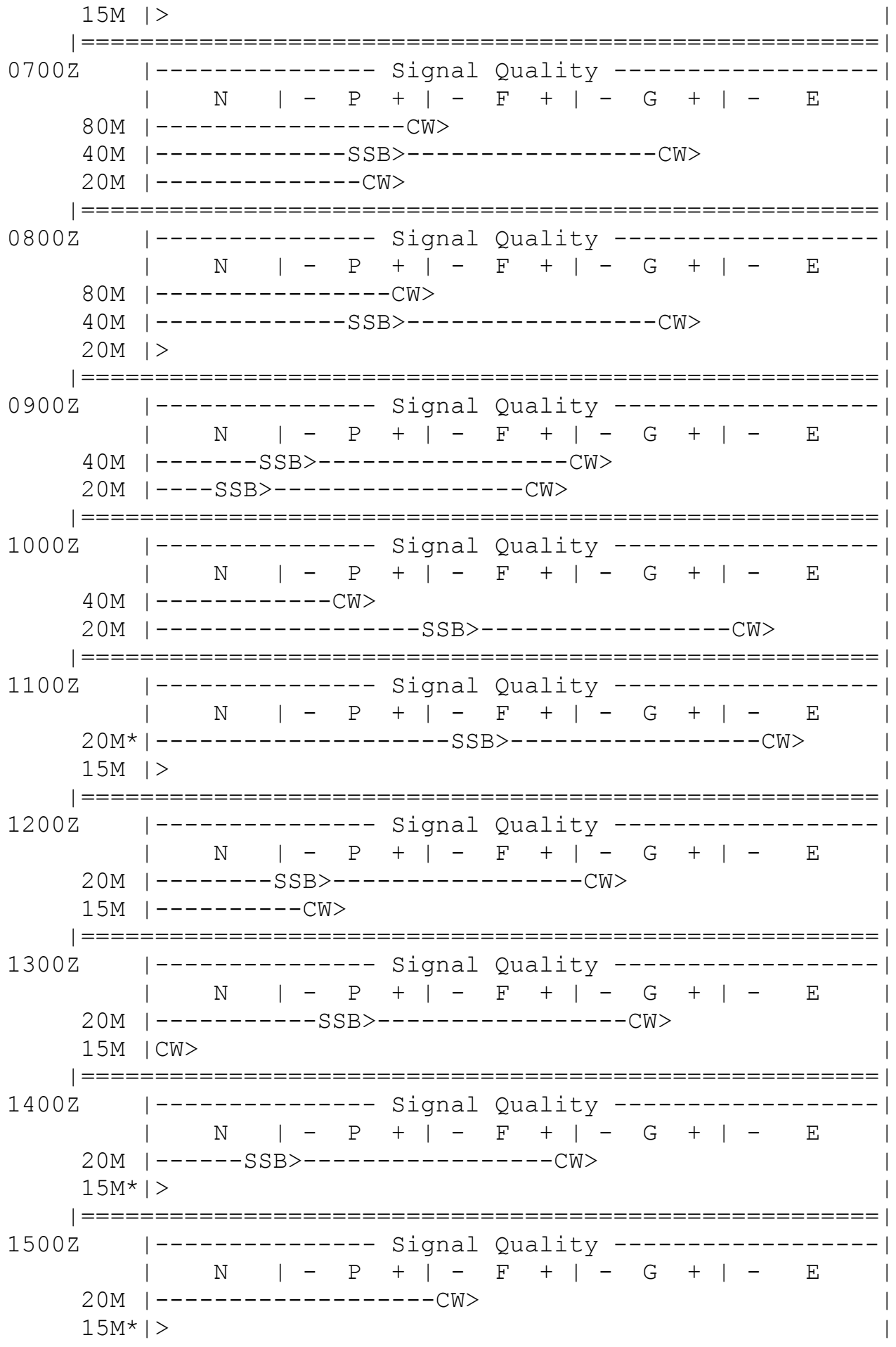

20M |---SSB>----------CW>
15M*|-----SSB>----------CW>
1600Z |---------- Signal Quality ----------|
| N | - P + | - F + | - G + | - E |
20M |----------CW>
15M*|-----SSB>----------CW>
1700Z |---------- Signal Quality ----------|
| N | - P + | - F + | - G + | - E |
20M |----------CW>
15M*|--------SSB>----------CW>
1800Z |---------- Signal Quality ----------|
| N | - P + | - F + | - G + | - E |
20M |----------CW>
15M*|----------SSB>----------CW>
10M |>
1900Z |---------- Signal Quality ----------|
| N | - P + | - F + | - G + | - E |
20M |----------CW>
15M*|----------SSB>----------CW>
10M |>
2000Z |---------- Signal Quality ----------|
| N | - P + | - F + | - G + | - E |
20M |---SSB>----------CW>
15M*|----------SSB>----------CW>
10M |------CW>
2100Z |---------- Signal Quality ----------|
| N | - P + | - F + | - G + | - E |
20M |----------SSB>----------CW>
15M*|----------SSB>----------CW>
10M |>
2200Z |---------- Signal Quality ----------|
| N | - P + | - F + | - G + | - E |
40M |>
20M |----------SSB>----------CW>
15M*|----------SSB>----------CW>
10M |----------CW>
2300Z |---------- Signal Quality ----------|
| N | - P + | - F + | - G + | - E |
40M |----------CW>
20M |----------SSB>----------CW>

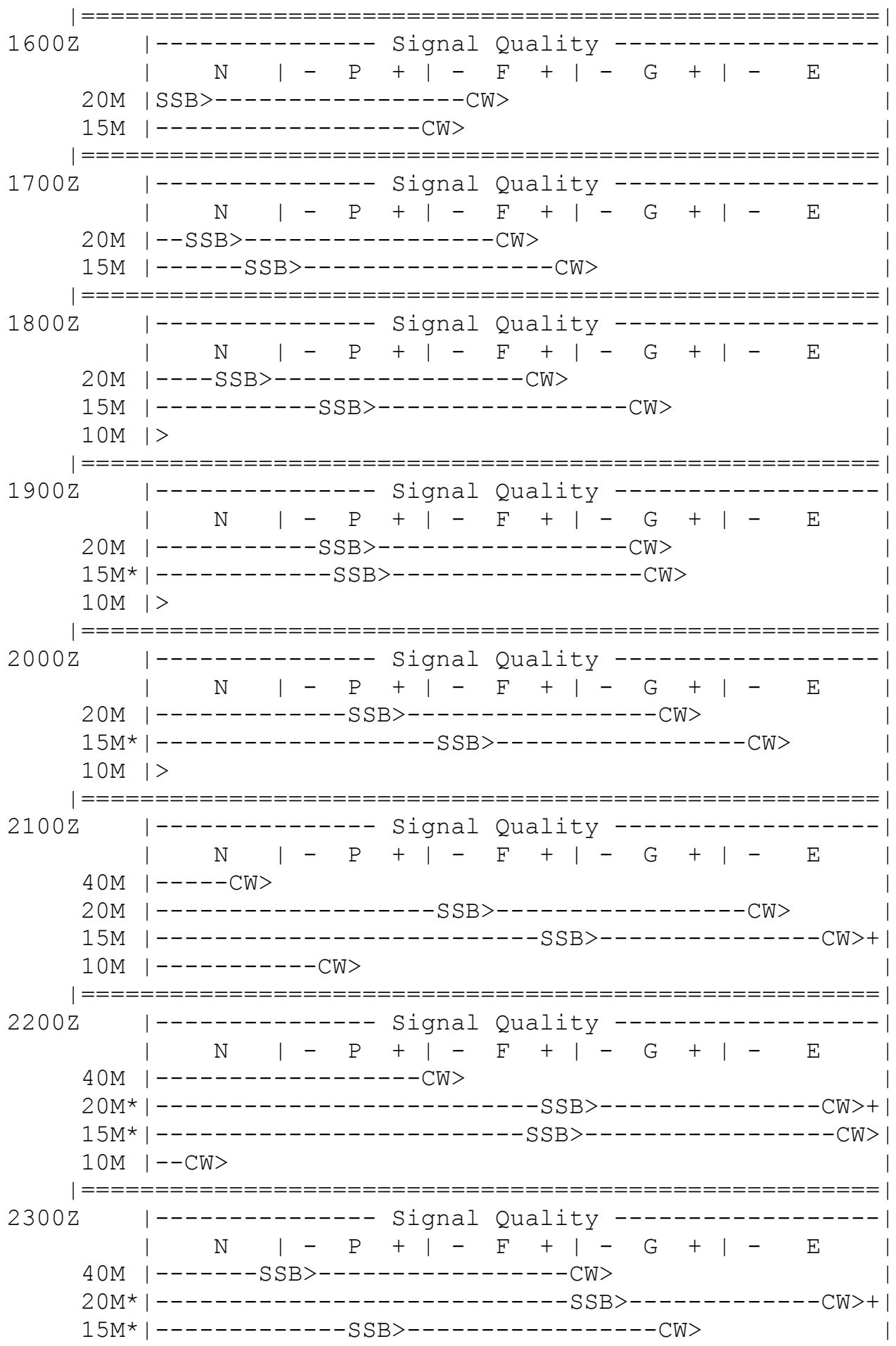
```
     15M*|-----------SSB>-----------------CW>              |
     10M |>                                               |
=========================================================
Notes:
 1) * due to low TOA, may require better than average
  antenna.
 2) N=Noise, P=Poor, F=Fair, G=Good, E=Excellent

=========================================================
Report by: WinCAP Wizard
```

Sao Paulo, SP to W1, Augusta, ME, USA

maio 2009, SSN: 14, Coefficients: CCIR, I




15M |>
0700Z |---------- Signal Quality ----------|
| N | - P + | - F + | - G + | - E |
80M |----------CW>
40M |----------SSB>----------CW>
20M |----------CW>
0800Z |---------- Signal Quality ----------|
| N | - P + | - F + | - G + | - E |
80M |----------CW>
40M |----------SSB>----------CW>
20M |>
0900Z |---------- Signal Quality ----------|
| N | - P + | - F + | - G + | - E |
40M |-------SSB>----------CW>
20M |----SSB>----------CW>
1000Z |---------- Signal Quality ----------|
| N | - P + | - F + | - G + | - E |
40M |----------CW>
20M |----------SSB>----------CW>
1100Z |---------- Signal Quality ----------|
| N | - P + | - F + | - G + | - E |
20M*|----------SSB>----------CW>
15M |>
1200Z |---------- Signal Quality ----------|
| N | - P + | - F + | - G + | - E |
20M |--------SSB>----------CW>
15M |----------CW>
1300Z |---------- Signal Quality ----------|
| N | - P + | - F + | - G + | - E |
20M |----------SSB>----------CW>
15M |CW>
1400Z |---------- Signal Quality ----------|
| N | - P + | - F + | - G + | - E |
20M |------SSB>----------CW>
15M*|>
1500Z |---------- Signal Quality ----------|
| N | - P + | - F + | - G + | - E |
20M |----------CW>
15M*|>


1600Z
Signal Quality
N | - P + | - F + | - G + | - E
20M SSB>----------CW>
15M |----------CW>
1700Z
Signal Quality
N | - P + | - F + | - G + | - E
20M |--SSB>----------CW>
15M |------SSB>----------CW>
1800Z
Signal Quality
N | - P + | - F + | - G + | - E
20M |----SSB>----------CW>
15M |----------SSB>----------CW>
10M |>
1900Z
Signal Quality
N | - P + | - F + | - G + | - E
20M |----------SSB>----------CW>
15M* |----------SSB>----------CW>
10M |>
2000Z
Signal Quality
N | - P + | - F + | - G + | - E
20M |----------SSB>----------CW>
15M* |----------SSB>----------CW>
10M |>
2100Z
Signal Quality
N | - P + | - F + | - G + | - E
40M |-----CW>
20M |----------SSB>----------CW>
15M |----------SSB>----------CW>+
10M |----------CW>
2200Z
Signal Quality
N | - P + | - F + | - G + | - E
40M |----------CW>
20M* |----------SSB>----------CW>+
15M* |----------SSB>----------CW>
10M |--CW>
2300Z
Signal Quality
N | - P + | - F + | - G + | - E
40M |-------SSB>----------CW>
20M* |----------SSB>----------CW>+
15M* |----------SSB>----------CW>

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Notes:

1) * due to low TOA, may require better than average antenna.
2) N=Noise, P=Poor, F=Fair, G=Good, E=Excellent

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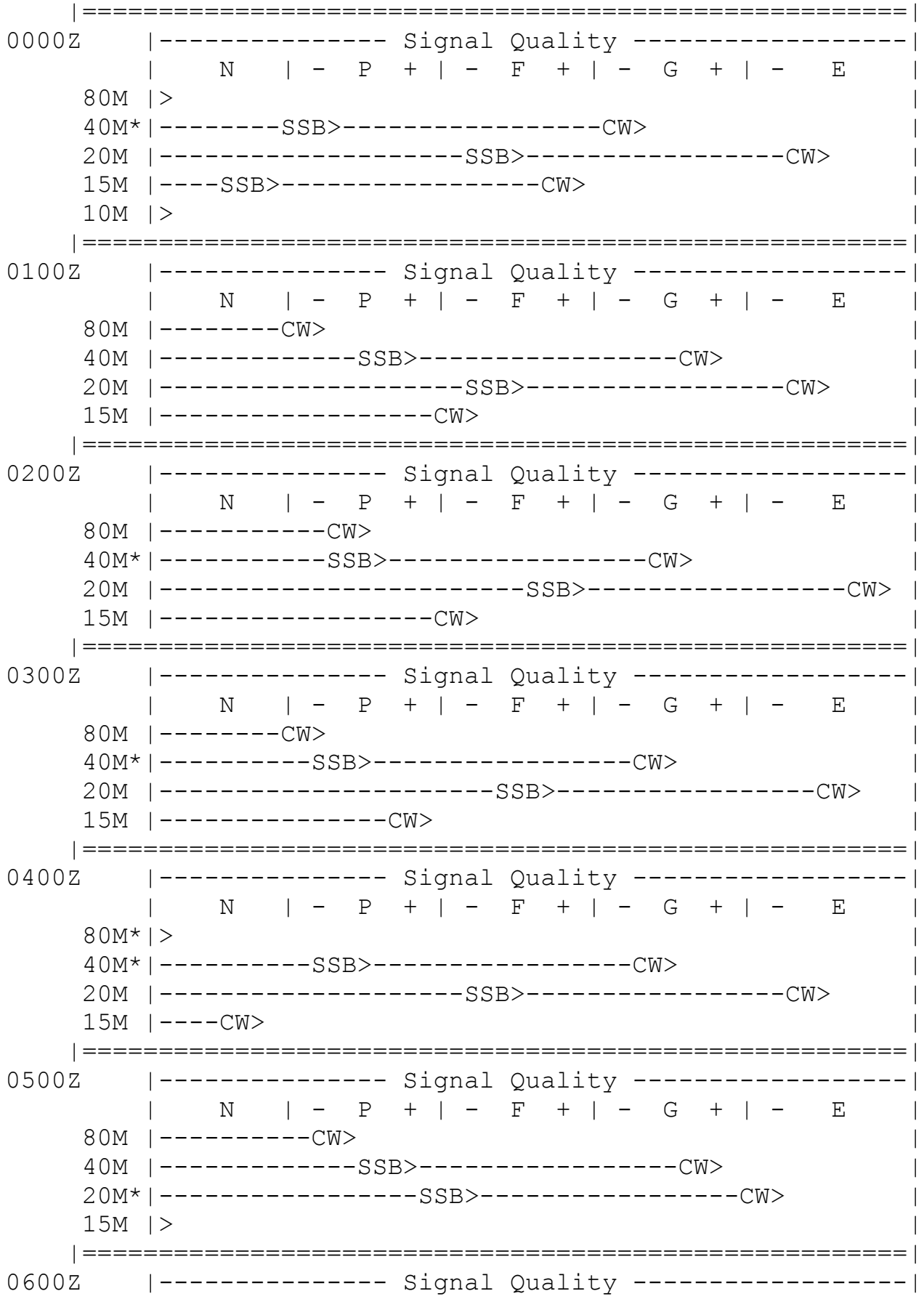
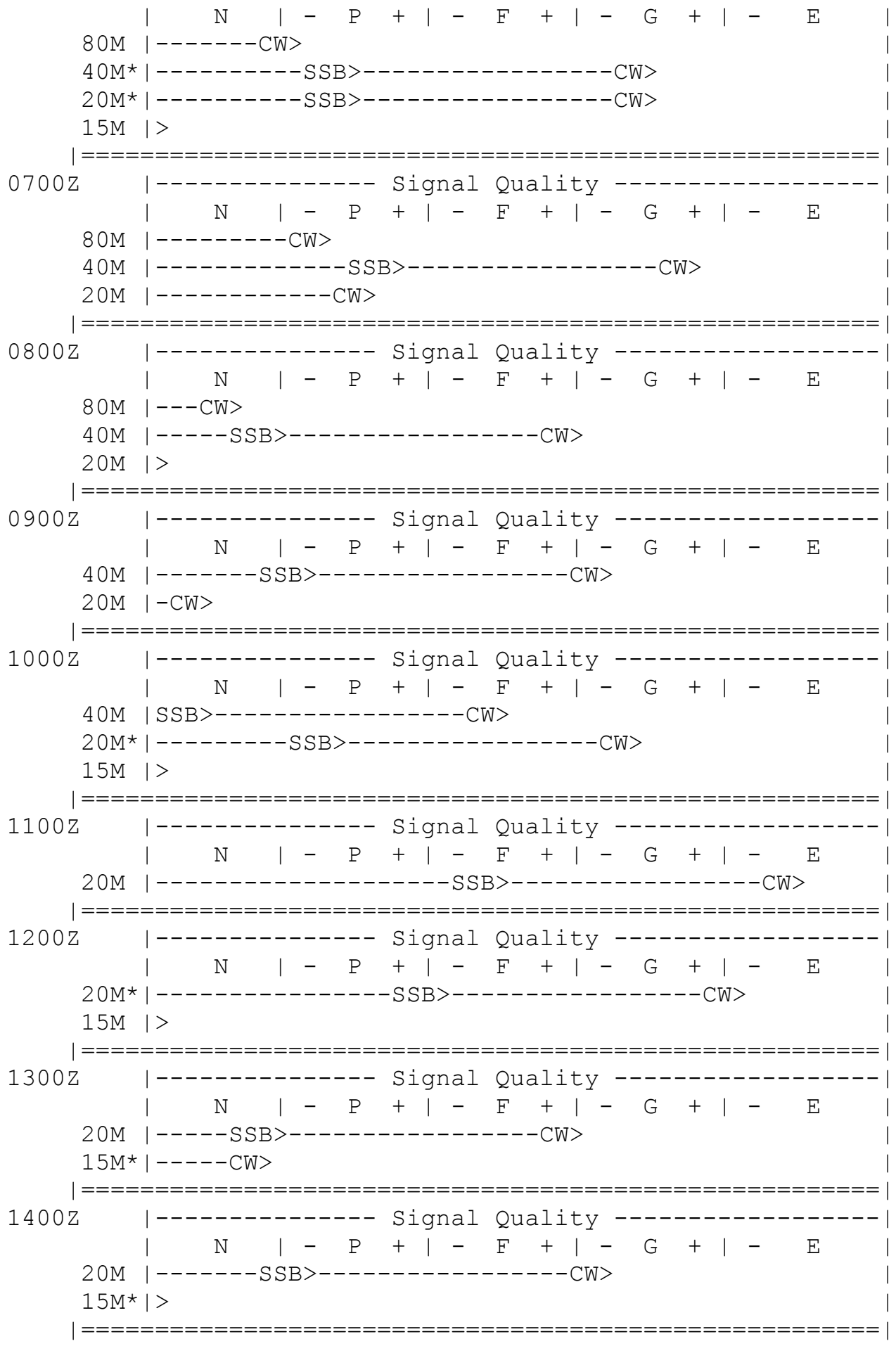
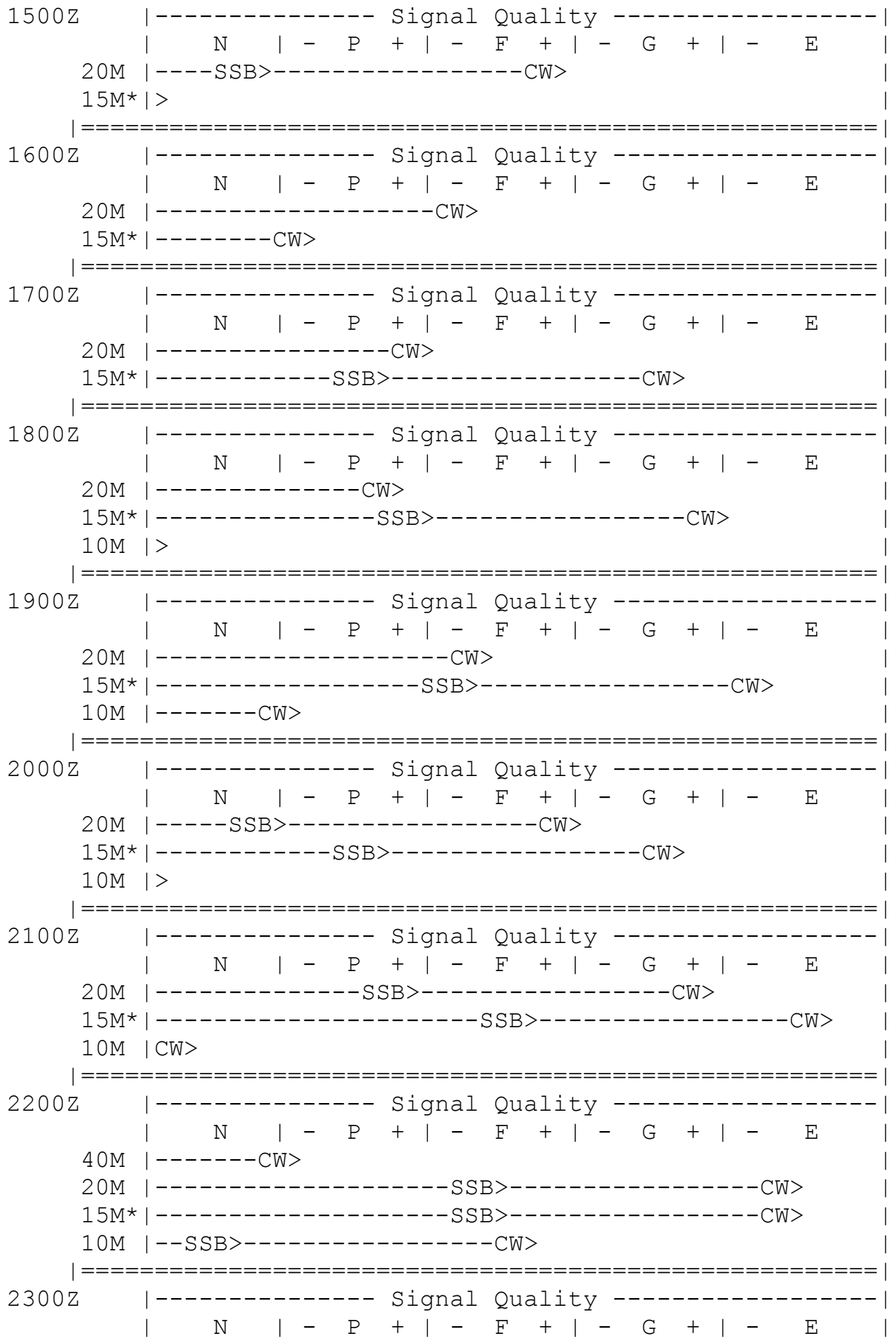
Report by: WinCAP Wizard

Sao Paulo, SP to W4, Atlanta, GA, USA

maio 2009, SSN: 14, Coefficients: CCIR, I




| N | - P + | - F + | - G + | - E |
80M |-------CW>
40M*|----------SSB>----------------CW>
20M*|----------SSB>----------------CW>
15M |>
0700Z |-------------- Signal Quality -----------------|
| N | - P + | - F + | - G + | - E |
80M |---------CW>
40M |-------------SSB>----------------CW>
20M |------------CW>
0800Z |-------------- Signal Quality -----------------|
| N | - P + | - F + | - G + | - E |
80M |---CW>
40M |-----SSB>----------------CW>
20M |>
0900Z |-------------- Signal Quality -----------------|
| N | - P + | - F + | - G + | - E |
40M |-------SSB>----------------CW>
20M |-CW>
1000Z |-------------- Signal Quality -----------------|
| N | - P + | - F + | - G + | - E |
40M |SSB>----------------CW>
20M*|---------SSB>----------------CW>
15M |>
1100Z |-------------- Signal Quality -----------------|
| N | - P + | - F + | - G + | - E |
20M |--------------------SSB>----------------CW>
1200Z |-------------- Signal Quality -----------------|
| N | - P + | - F + | - G + | - E |
20M*|----------------SSB>----------------CW>
15M |>
1300Z |-------------- Signal Quality -----------------|
| N | - P + | - F + | - G + | - E |
20M |-----SSB>----------------CW>
15M*|-----CW>
1400Z |-------------- Signal Quality -----------------|
| N | - P + | - F + | - G + | - E |
20M |-------SSB>----------------CW>
15M*|>

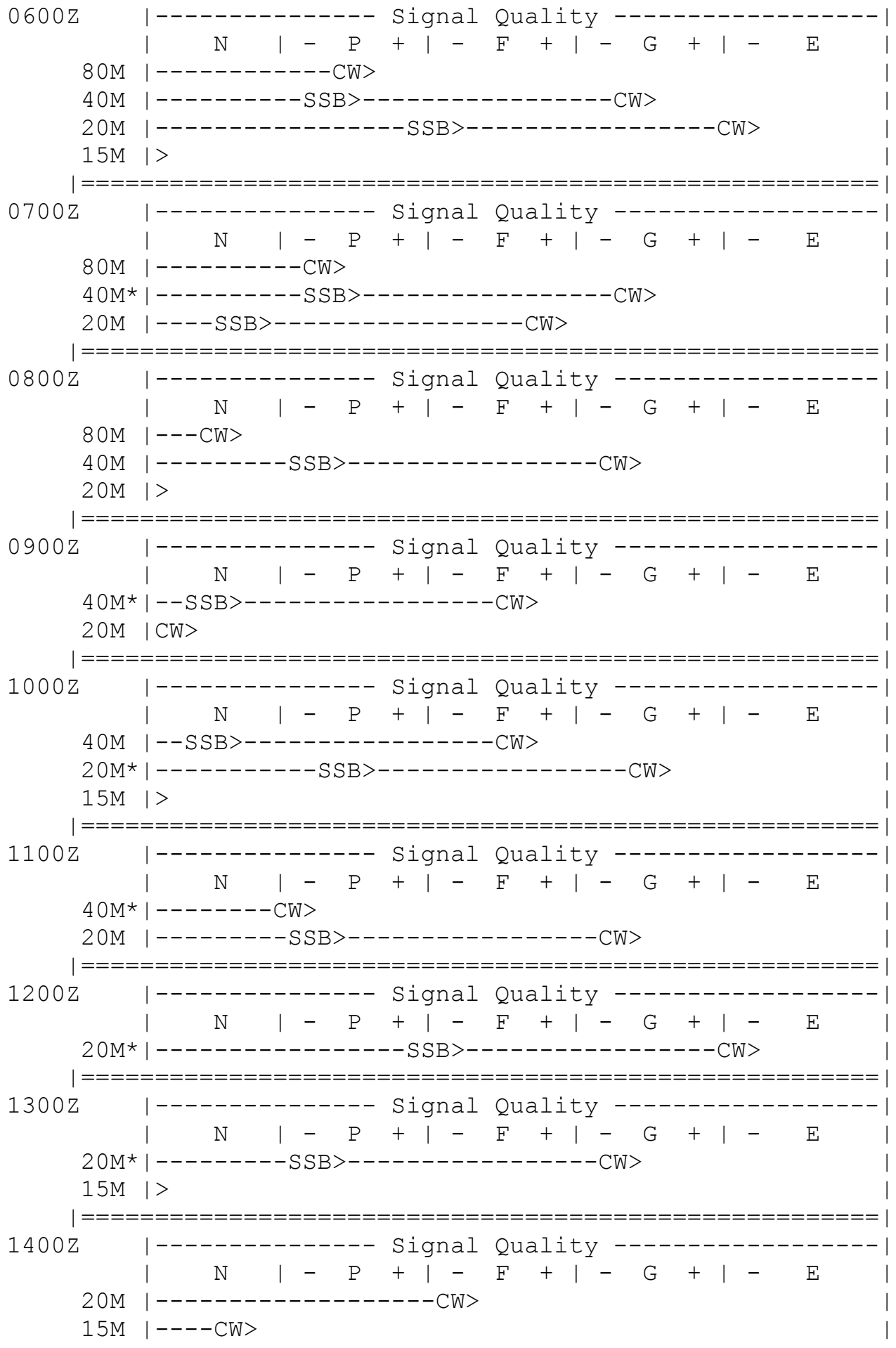

1500Z
Signal Quality
N | - P + | - F + | - G + | - E
20M ----SSB>----------CW>
15M* >
1600Z
Signal Quality
N | - P + | - F + | - G + | - E
20M ----------CW>
15M* --------CW>
1700Z
Signal Quality
N | - P + | - F + | - G + | - E
20M ----------CW>
15M* ----------SSB>----------CW>
1800Z
Signal Quality
N | - P + | - F + | - G + | - E
20M ----------CW>
15M* ----------SSB>----------CW>
10M >
1900Z
Signal Quality
N | - P + | - F + | - G + | - E
20M ----------CW>
15M* ----------SSB>----------CW>
10M -------CW>
2000Z
Signal Quality
N | - P + | - F + | - G + | - E
20M -----SSB>----------CW>
15M* ----------SSB>----------CW>
10M >
2100Z
Signal Quality
N | - P + | - F + | - G + | - E
20M ----------SSB>----------CW>
15M* ----------SSB>----------CW>
10M CW>
2200Z
Signal Quality
N | - P + | - F + | - G + | - E
40M -------CW>
20M ----------SSB>----------CW>
15M* ----------SSB>----------CW>
10M --SSB>----------CW>
2300Z
Signal Quality
N | - P + | - F + | - G + | - E

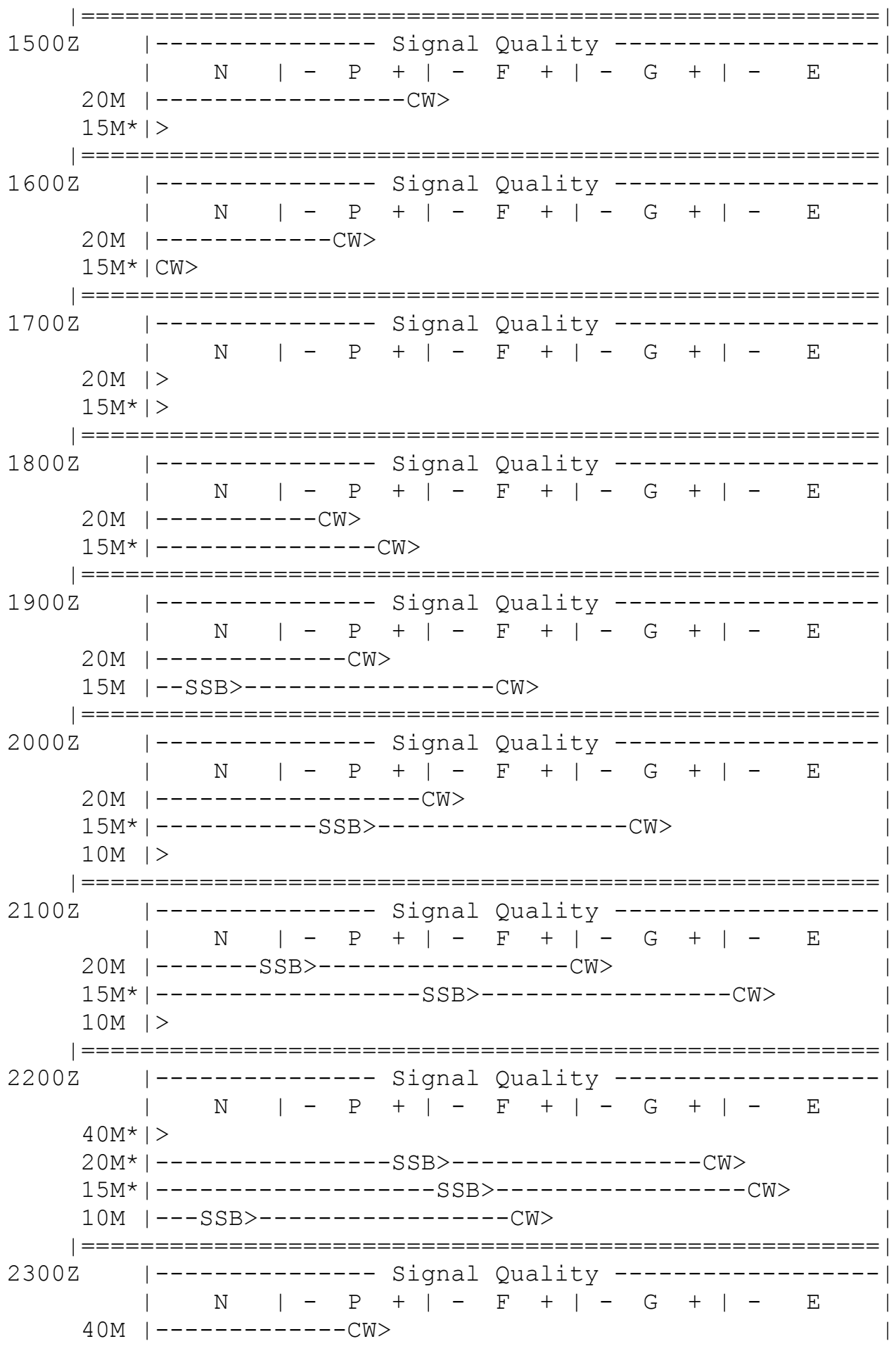
```
     40M |-SSB>-----------------CW>                          |
     20M |----------------------SSB>-----------------CW>     |
     15M*|--------------SSB>-----------------CW>             |
     10M |-----CW>                                           |
=========================================================
Notes:
 1) * due to low TOA, may require better than average
  antenna.
 2) N=Noise, P=Poor, F=Fair, G=Good, E=Excellent

=========================================================
Report by: WinCAP Wizard
```

Sao Paulo, SP to W5, Austin, TX, USA

maio 2009, SSN: 14, Coefficients: CCIR, I

```
0000Z    |-------------- Signal Quality -----------------|
         |    N   | -  P  + | -  F  + | -  G  + | -   E    |
     40M*|---SSB>-----------------CW>                       |
     20M |-----------------SSB>----------------CW>          |
     15M |-------SSB>-----------------CW>                   |
     10M |>                                                 |
    |=====================================================|
0100Z    |-------------- Signal Quality -----------------|
         |    N   | -  P  + | -  F  + | -  G  + | -   E    |
     80M |CW>                                               |
     40M*|-------SSB>-----------------CW>                   |
     20M |-------------------SSB>----------------CW>        |
     15M |--SSB>-----------------CW>                        |
     10M |>                                                 |
    |=====================================================|
0200Z    |-------------- Signal Quality -----------------|
         |    N   | -  P  + | -  F  + | -  G  + | -   E    |
     80M |------CW>                                         |
     40M |----------SSB>-----------------CW>                |
     20M*|----------------------SSB>----------------CW>     |
     15M |----SSB>-----------------CW>                      |
     10M |>                                                 |
    |=====================================================|
0300Z    |-------------- Signal Quality -----------------|
         |    N   | -  P  + | -  F  + | -  G  + | -   E    |
     80M |-------CW>                                        |
     40M |----SSB>-----------------CW>                      |
     20M |------------------------SSB>----------------CW>   |
     15M |-SSB>-----------------CW>                         |
    |=====================================================|
0400Z    |-------------- Signal Quality -----------------|
         |    N   | -  P  + | -  F  + | -  G  + | -   E    |
     80M |-----------CW>                                    |
     40M |----------SSB>-----------------CW>                |
     20M |----------------------SSB>----------------CW>     |
     15M |-----------CW>                                    |
    |=====================================================|
0500Z    |-------------- Signal Quality -----------------|
         |    N   | -  P  + | -  F  + | -  G  + | -   E    |
     80M |-----CW>                                          |
     40M |----------SSB>-----------------CW>                |
     20M*|--------------------SSB>----------------CW>       |
     15M |CW>                                               |
    |=====================================================|
```


0600Z
Signal Quality
N
- P +
- F +
- G +
- E
80M
CW>
40M
SSB>
CW>
20M
SSB>
CW>
15M
>
0700Z
Signal Quality
N
- P +
- F +
- G +
- E
80M
CW>
40M*
SSB>
CW>
20M
SSB>
CW>
0800Z
Signal Quality
N
- P +
- F +
- G +
- E
80M
CW>
40M
SSB>
CW>
20M
>
0900Z
Signal Quality
N
- P +
- F +
- G +
- E
40M*
SSB>
CW>
20M
CW>
1000Z
Signal Quality
N
- P +
- F +
- G +
- E
40M
SSB>
CW>
20M*
SSB>
CW>
15M
>
1100Z
Signal Quality
N
- P +
- F +
- G +
- E
40M*
CW>
20M
SSB>
CW>
1200Z
Signal Quality
N
- P +
- F +
- G +
- E
20M*
SSB>
CW>
1300Z
Signal Quality
N
- P +
- F +
- G +
- E
20M*
SSB>
CW>
15M
>
1400Z
Signal Quality
N
- P +
- F +
- G +
- E
20M
CW>
15M
CW>

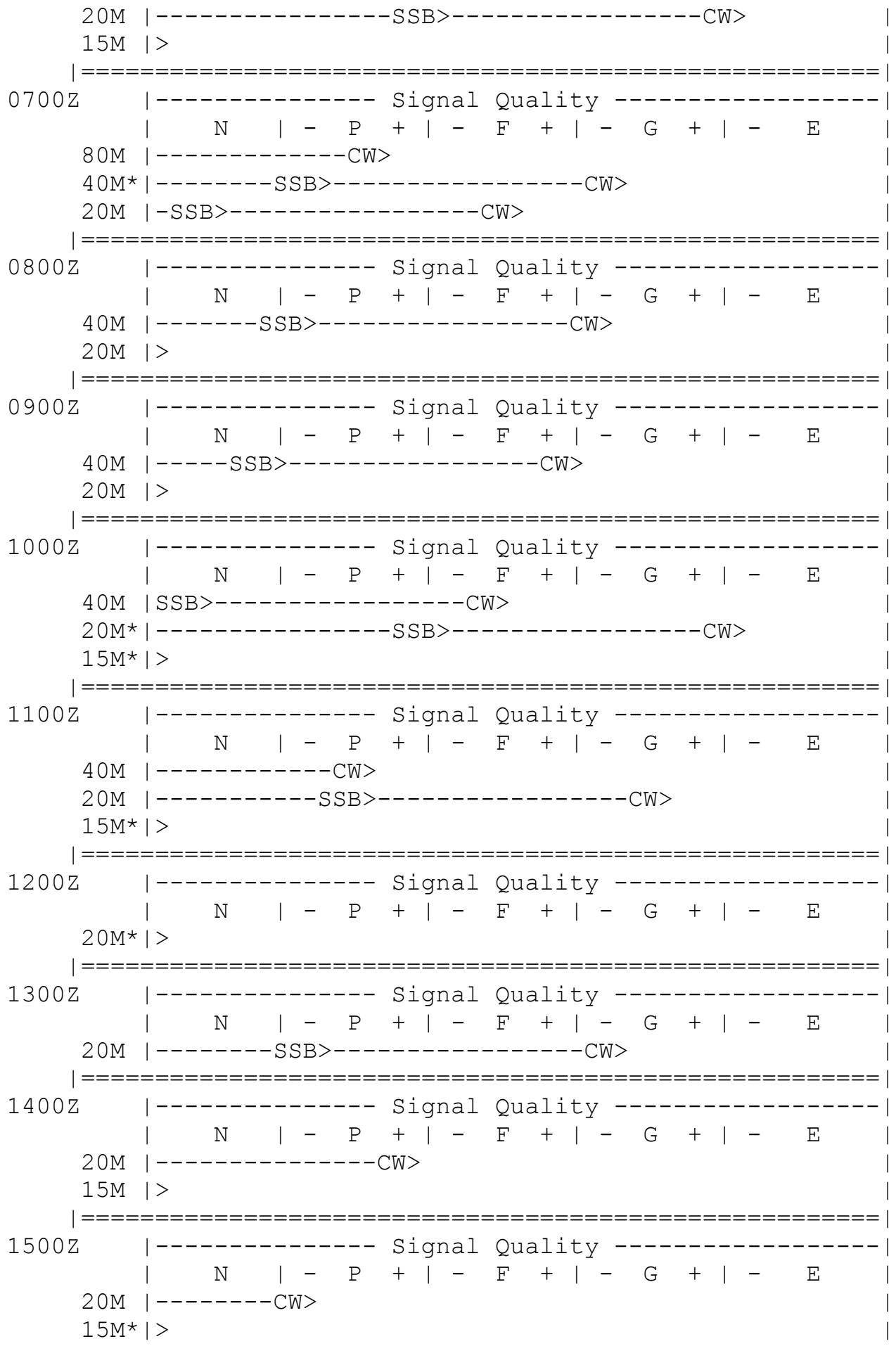

1500Z
Signal Quality
N | - P + | - F + | - G + | - E
20M
15M*
CW>
1600Z
Signal Quality
N | - P + | - F + | - G + | - E
20M
15M*
CW>
CW>
1700Z
Signal Quality
N | - P + | - F + | - G + | - E
20M
15M*
1800Z
Signal Quality
N | - P + | - F + | - G + | - E
20M
15M*
CW>
CW>
1900Z
Signal Quality
N | - P + | - F + | - G + | - E
20M
15M
CW>
--SSB>
CW>
2000Z
Signal Quality
N | - P + | - F + | - G + | - E
20M
15M*
10M
CW>
SSB>
CW>
2100Z
Signal Quality
N | - P + | - F + | - G + | - E
20M
15M*
10M
SSB>
CW>
SSB>
CW>
2200Z
Signal Quality
N | - P + | - F + | - G + | - E
40M*
20M*
15M*
10M
SSB>
CW>
SSB>
CW>
---SSB>
CW>
2300Z
Signal Quality
N | - P + | - F + | - G + | - E
40M
CW>

```
     20M*|--------------------SSB>-----------------CW>       |
     15M*|----------------SSB>-----------------CW>           |
     10M |---------CW>                                       |
=========================================================
Notes:
 1) * due to low TOA, may require better than average
  antenna.
 2) N=Noise, P=Poor, F=Fair, G=Good, E=Excellent

=========================================================
Report by: WinCAP Wizard
```

Sao Paulo, SP to W6, Sacramento, CA, USA

maio 2009, SSN: 14, Coefficients: CCIR, I

```
0000Z    |-------------- Signal Quality -----------------|
         |    N   | -  P  + | -  F  + | -  G  + | -   E    |
     20M |------------SSB>-----------------CW>              |
     15M*|----------------SSB>-----------------CW>         |
     10M*|----CW>                                          |
    |================================================|
0100Z    |-------------- Signal Quality -----------------|
         |    N   | -  P  + | -  F  + | -  G  + | -   E    |
     40M |----------------CW>                              |
     20M |----------------SSB>-----------------CW>         |
     15M*|---------------SSB>-----------------CW>          |
     10M*|>                                                |
    |================================================|
0200Z    |-------------- Signal Quality -----------------|
         |    N   | -  P  + | -  F  + | -  G  + | -   E    |
     40M |SSB>-----------------CW>                         |
     20M |---------------SSB>-----------------CW>          |
     15M |-SSB>-----------------CW>                        |
    |================================================|
0300Z    |-------------- Signal Quality -----------------|
         |    N   | -  P  + | -  F  + | -  G  + | -   E    |
     80M |---CW>                                           |
     40M |-----SSB>-----------------CW>                    |
     20M |-------------------SSB>-----------------CW>      |
     15M |-------------------CW>                           |
    |================================================|
0400Z    |-------------- Signal Quality -----------------|
         |    N   | -  P  + | -  F  + | -  G  + | -   E    |
     80M |--------CW>                                      |
     40M |-------SSB>-----------------CW>                  |
     20M |-----------------------SSB>-----------------CW>  |
     15M |---------CW>                                     |
    |================================================|
0500Z    |-------------- Signal Quality -----------------|
         |    N   | -  P  + | -  F  + | -  G  + | -   E    |
     80M |-------------CW>                                 |
     40M |----------SSB>-----------------CW>               |
     20M*|-----------------------SSB>-----------------CW>  |
     15M |>                                                |
    |================================================|
0600Z    |-------------- Signal Quality -----------------|
         |    N   | -  P  + | -  F  + | -  G  + | -   E    |
     80M |----------------CW>                              |
     40M*|----------SSB>-----------------CW>               |
```

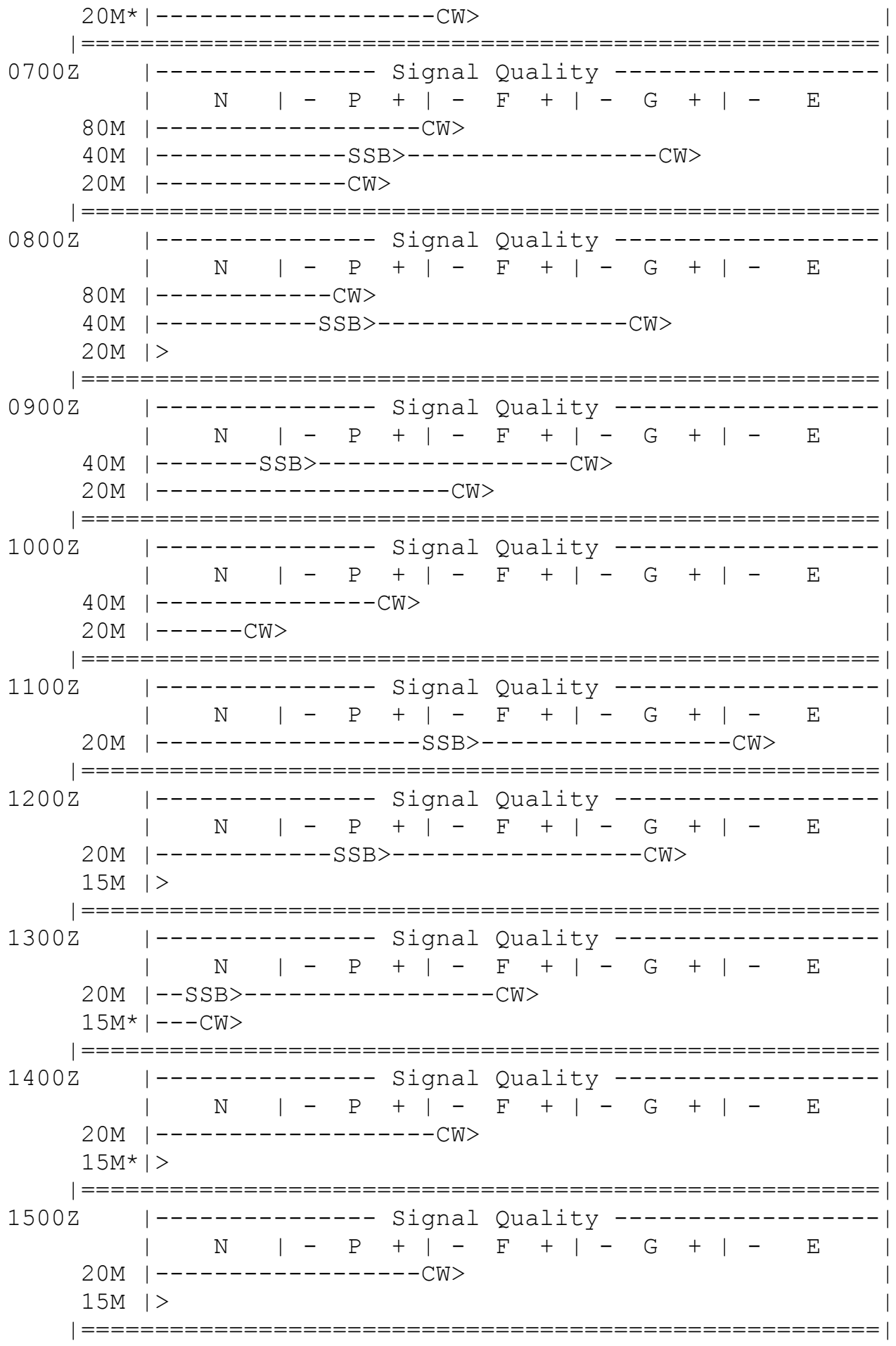

20M |----------SSB>----------CW>
15M |>
0700Z |---------- Signal Quality ----------
| N | - P + | - F + | - G + | - E |
80M |----------CW>
40M*|--------SSB>----------CW>
20M |-SSB>----------CW>
0800Z |---------- Signal Quality ----------
| N | - P + | - F + | - G + | - E |
40M |-------SSB>----------CW>
20M |>
0900Z |---------- Signal Quality ----------
| N | - P + | - F + | - G + | - E |
40M |-----SSB>----------CW>
20M |>
1000Z |---------- Signal Quality ----------
| N | - P + | - F + | - G + | - E |
40M |SSB>----------CW>
20M*|----------SSB>----------CW>
15M*|>
1100Z |---------- Signal Quality ----------
| N | - P + | - F + | - G + | - E |
40M |----------CW>
20M |----------SSB>----------CW>
15M*|>
1200Z |---------- Signal Quality ----------
| N | - P + | - F + | - G + | - E |
20M*|>
1300Z |---------- Signal Quality ----------
| N | - P + | - F + | - G + | - E |
20M |--------SSB>----------CW>
1400Z |---------- Signal Quality ----------
| N | - P + | - F + | - G + | - E |
20M |----------CW>
15M |>
1500Z |---------- Signal Quality ----------
| N | - P + | - F + | - G + | - E |
20M |--------CW>
15M*|>

```
    |=================================================|
1600Z    |-------------- Signal Quality -----------------|
         |    N   | -  P  + | -  F  + | -  G  + | -   E    |
     15M*|-----------------CW>                            |
    |=================================================|
1700Z    |-------------- Signal Quality -----------------|
         |    N   | -  P  + | -  F  + | -  G  + | -   E    |
     15M*|--------------CW>                               |
    |=================================================|
1800Z    |-------------- Signal Quality -----------------|
         |    N   | -  P  + | -  F  + | -  G  + | -   E    |
     15M*|----SSB>----------------CW>                     |
    |=================================================|
1900Z    |-------------- Signal Quality -----------------|
         |    N   | -  P  + | -  F  + | -  G  + | -   E    |
     15M*|---------------SSB>----------------CW>          |
    |=================================================|
2000Z    |-------------- Signal Quality -----------------|
         |    N   | -  P  + | -  F  + | -  G  + | -   E    |
     20M |-------CW>                                      |
     15M |-------------------SSB>----------------CW>      |
     10M |-CW>                                            |
    |=================================================|
2100Z    |-------------- Signal Quality -----------------|
         |    N   | -  P  + | -  F  + | -  G  + | -   E    |
     20M |----------CW>                                   |
     15M*|---------------------SSB>----------------CW>   |
     10M |--------CW>                                     |
    |=================================================|
2200Z    |-------------- Signal Quality -----------------|
         |    N   | -  P  + | -  F  + | -  G  + | -   E    |
     20M |--------------------CW>                         |
     15M*|-----------------------SSB>----------------CW> |
     10M |--------------CW>                               |
    |=================================================|
2300Z    |-------------- Signal Quality -----------------|
         |    N   | -  P  + | -  F  + | -  G  + | -   E    |
     20M |-------SSB>-----------------CW>                 |
     15M*|--------------------SSB>----------------CW>    |
     10M |SSB>----------------CW>                         |
=====================================================
Notes:
 1) * due to low TOA, may require better than average
  antenna.
 2) N=Noise, P=Poor, F=Fair, G=Good, E=Excellent

=====================================================
Report by: WinCAP Wizard
```

Sao Paulo, SP to VE3, Nakina, ON, Canada

maio 2009, SSN: 14, Coefficients: CCIR, I

```
0000Z    |-------------- Signal Quality -----------------|
         |    N   | -  P  + | -  F  + | -  G  + | -   E    |
     40M |------SSB>-----------------CW>                    |
     20M |----------------------SSB>----------------CW>    |
     15M |---------------SSB>-----------------CW>           |
     10M |>                                                |
    |=================================================|
0100Z    |-------------- Signal Quality -----------------|
         |    N   | -  P  + | -  F  + | -  G  + | -   E    |
     80M |-------CW>                                       |
     40M |----------SSB>-----------------CW>               |
     20M |----------------------SSB>----------------CW>    |
     15M |-----------SSB>-----------------CW>              |
     10M |>                                                |
    |=================================================|
0200Z    |-------------- Signal Quality -----------------|
         |    N   | -  P  + | -  F  + | -  G  + | -   E    |
     80M |---------------CW>                               |
     40M |-------------SSB>-----------------CW>            |
     20M |--------------------------SSB>-------------CW>+  |
     15M |------------CW>                                  |
    |=================================================|
0300Z    |-------------- Signal Quality -----------------|
         |    N   | -  P  + | -  F  + | -  G  + | -   E    |
     80M |-----------------CW>                             |
     40M |--------------SSB>-----------------CW>           |
     20M |---------------------SSB>----------------CW>     |
    |=================================================|
0400Z    |-------------- Signal Quality -----------------|
         |    N   | -  P  + | -  F  + | -  G  + | -   E    |
     80M |---------------CW>                               |
     40M |---------------SSB>-----------------CW>          |
     20M |---------SSB>-----------------CW>                |
    |=================================================|
0500Z    |-------------- Signal Quality -----------------|
         |    N   | -  P  + | -  F  + | -  G  + | -   E    |
     80M |SSB>-----------------CW>                         |
     40M*|------------SSB>-----------------CW>             |
     20M |---------CW>                                     |
    |=================================================|
0600Z    |-------------- Signal Quality -----------------|
         |    N   | -  P  + | -  F  + | -  G  + | -   E    |
     80M |-----------------CW>                             |
     40M |--------------SSB>-----------------CW>           |
```


20M*|------------------CW>
0700Z |-------------- Signal Quality -----------------|
| N | - P + | - F + | - G + | - E |
80M |-----------------CW>
40M |-------------SSB>----------------CW>
20M |-------------CW>
0800Z |-------------- Signal Quality -----------------|
| N | - P + | - F + | - G + | - E |
80M |-----------CW>
40M |-----------SSB>----------------CW>
20M |>
0900Z |-------------- Signal Quality -----------------|
| N | - P + | - F + | - G + | - E |
40M |-------SSB>----------------CW>
20M |-------------------CW>
1000Z |-------------- Signal Quality -----------------|
| N | - P + | - F + | - G + | - E |
40M |--------------CW>
20M |------CW>
1100Z |-------------- Signal Quality -----------------|
| N | - P + | - F + | - G + | - E |
20M |-----------------SSB>----------------CW>
1200Z |-------------- Signal Quality -----------------|
| N | - P + | - F + | - G + | - E |
20M |------------SSB>----------------CW>
15M |>
1300Z |-------------- Signal Quality -----------------|
| N | - P + | - F + | - G + | - E |
20M |--SSB>----------------CW>
15M*|---CW>
1400Z |-------------- Signal Quality -----------------|
| N | - P + | - F + | - G + | - E |
20M |------------------CW>
15M*|>
1500Z |-------------- Signal Quality -----------------|
| N | - P + | - F + | - G + | - E |
20M |-----------------CW>
15M |>

```
1600Z    |-------------- Signal Quality -----------------|
         |    N   | -  P  + | -  F  + | -  G  + | -   E    |
     20M |SSB>----------------CW>                           |
     15M |>                                                |
    |================================================|
1700Z    |-------------- Signal Quality -----------------|
         |    N   | -  P  + | -  F  + | -  G  + | -   E    |
     20M |------------------CW>                             |
     15M |--CW>                                            |
    |================================================|
1800Z    |-------------- Signal Quality -----------------|
         |    N   | -  P  + | -  F  + | -  G  + | -   E    |
     20M |------------------CW>                             |
     15M |---------------CW>                               |
    |================================================|
1900Z    |-------------- Signal Quality -----------------|
         |    N   | -  P  + | -  F  + | -  G  + | -   E    |
     20M |---SSB>----------------CW>                        |
     15M |------------------CW>                            |
    |================================================|
2000Z    |-------------- Signal Quality -----------------|
         |    N   | -  P  + | -  F  + | -  G  + | -   E    |
     20M |----------SSB>----------------CW>                 |
     15M |----SSB>----------------CW>                       |
    |================================================|
2100Z    |-------------- Signal Quality -----------------|
         |    N   | -  P  + | -  F  + | -  G  + | -   E    |
     20M |--------------SSB>----------------CW>             |
     15M*|-------------SSB>----------------CW>              |
    |================================================|
2200Z    |-------------- Signal Quality -----------------|
         |    N   | -  P  + | -  F  + | -  G  + | -   E    |
     20M |----------------SSB>----------------CW>           |
     15M*|------------------SSB>----------------CW>        |
     10M |>                                                |
    |================================================|
2300Z    |-------------- Signal Quality -----------------|
         |    N   | -  P  + | -  F  + | -  G  + | -   E    |
     40M |--------------CW>                                |
     20M |--------------------SSB>----------------CW>      |
     15M*|---------------------SSB>----------------CW>     |
     10M |-SSB>----------------CW>                         |
=====================================================
```

Notes:

1) * due to low TOA, may require better than average antenna.
2) N=Noise, P=Poor, F=Fair, G=Good, E=Excellent

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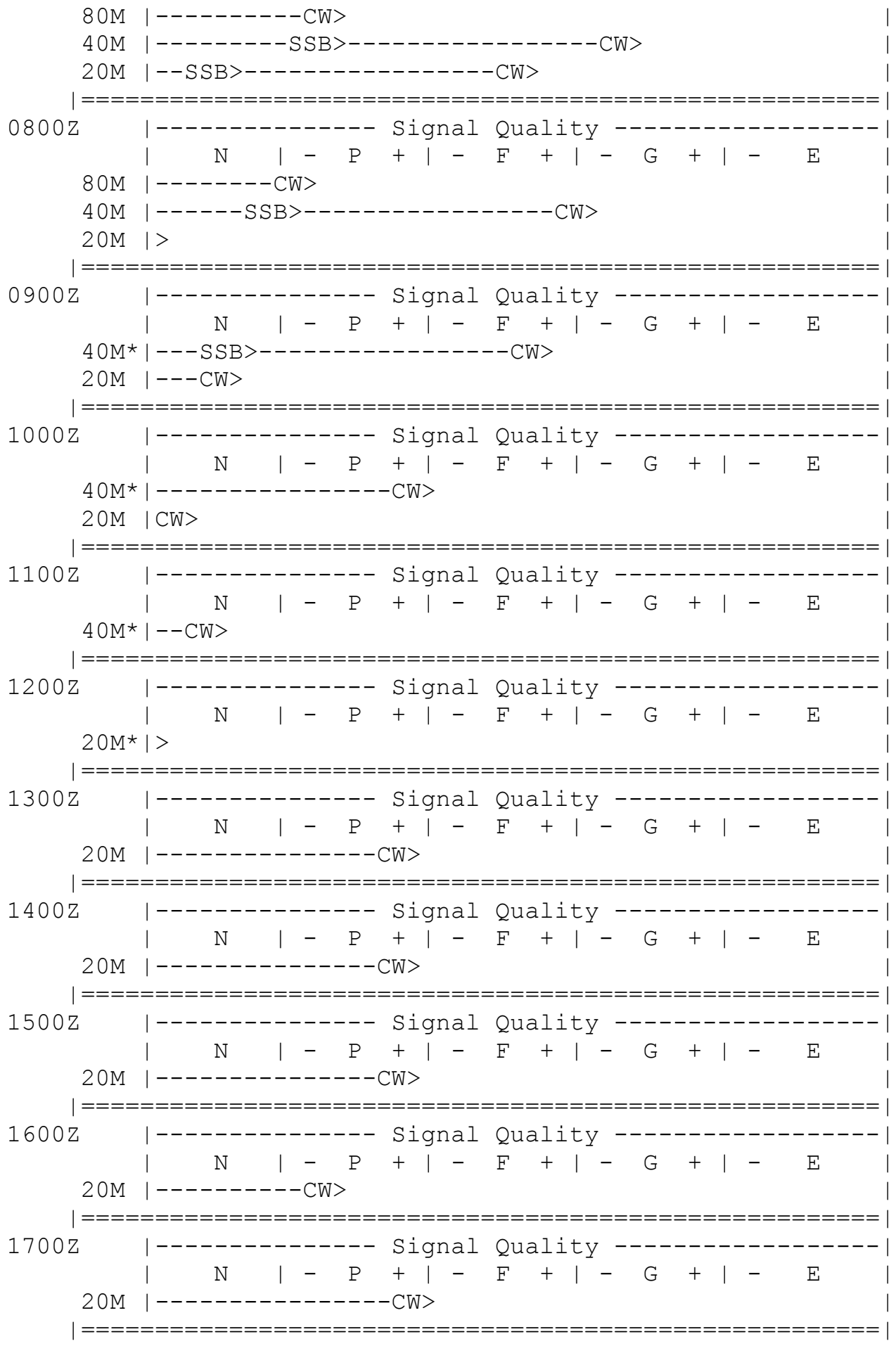
Report by: WinCAP Wizard

Sao Paulo, SP to KL, Juneau, AK, Alaska

maio 2009, SSN: 14, Coefficients: CCIR, I

```
0000Z    |-------------- Signal Quality -----------------|
         |    N   | -  P  + | -  F  + | -  G  + | -   E    |
     20M |---------------SSB>----------------CW>            |
     15M |SSB>----------------CW>                          |
     10M |>                                                |
0100Z    |-------------- Signal Quality -----------------|
         |    N   | -  P  + | -  F  + | -  G  + | -   E    |
     20M |------------------SSB>----------------CW>        |
     15M |--SSB>----------------CW>                        |
     10M |>                                                |
0200Z    |-------------- Signal Quality -----------------|
         |    N   | -  P  + | -  F  + | -  G  + | -   E    |
     40M |-------------CW>                                 |
     20M |-------------SSB>----------------CW>             |
     15M |-----SSB>----------------CW>                     |
     10M |>                                                |
0300Z    |-------------- Signal Quality -----------------|
         |    N   | -  P  + | -  F  + | -  G  + | -   E    |
     40M |------------------CW>                            |
     20M |--------------------SSB>----------------CW>      |
     15M |--------------------CW>                          |
0400Z    |-------------- Signal Quality -----------------|
         |    N   | -  P  + | -  F  + | -  G  + | -   E    |
     40M |----------SSB>----------------CW>                |
     20M |--------------------SSB>----------------CW>      |
     15M |---------CW>                                     |
0500Z    |-------------- Signal Quality -----------------|
         |    N   | -  P  + | -  F  + | -  G  + | -   E    |
     40M*|-----SSB>----------------CW>                     |
     20M |------------------SSB>----------------CW>        |
     15M |>                                                |
0600Z    |-------------- Signal Quality -----------------|
         |    N   | -  P  + | -  F  + | -  G  + | -   E    |
     40M |---------SSB>----------------CW>                 |
     20M*|-------------SSB>----------------CW>             |
0700Z    |-------------- Signal Quality -----------------|
         |    N   | -  P  + | -  F  + | -  G  + | -   E    |
```


80M |----------CW>
40M |---------SSB>----------------CW>
20M |--SSB>----------------CW>
0800Z
N | - P + | - F + | - G + | - E
80M |--------CW>
40M |------SSB>----------------CW>
20M |>
0900Z
N | - P + | - F + | - G + | - E
40M* |---SSB>----------------CW>
20M |---CW>
1000Z
N | - P + | - F + | - G + | - E
40M* |----------------CW>
20M |CW>
1100Z
N | - P + | - F + | - G + | - E
40M* |--CW>
1200Z
N | - P + | - F + | - G + | - E
20M* |>
1300Z
N | - P + | - F + | - G + | - E
20M |---------------CW>
1400Z
N | - P + | - F + | - G + | - E
20M |---------------CW>
1500Z
N | - P + | - F + | - G + | - E
20M |---------------CW>
1600Z
N | - P + | - F + | - G + | - E
20M |----------CW>
1700Z
N | - P + | - F + | - G + | - E
20M |----------------CW>
Signal Quality

```
1800Z    |--------------- Signal Quality -----------------|
         |    N   | -  P  + | -  F  + | -  G  + | -   E    |
     20M |-----------------CW>                              |
    |=================================================|
1900Z    |--------------- Signal Quality -----------------|
         |    N   | -  P  + | -  F  + | -  G  + | -   E    |
     20M |--------------CW>                                 |
     15M |>                                                 |
    |=================================================|
2000Z    |--------------- Signal Quality -----------------|
         |    N   | -  P  + | -  F  + | -  G  + | -   E    |
     20M |SSB>----------------CW>                           |
    |=================================================|
2100Z    |--------------- Signal Quality -----------------|
         |    N   | -  P  + | -  F  + | -  G  + | -   E    |
     20M |----SSB>----------------CW>                       |
    |=================================================|
2200Z    |--------------- Signal Quality -----------------|
         |    N   | -  P  + | -  F  + | -  G  + | -   E    |
     20M |-------SSB>----------------CW>                    |
     15M |>                                                 |
    |=================================================|
2300Z    |--------------- Signal Quality -----------------|
         |    N   | -  P  + | -  F  + | -  G  + | -   E    |
     20M |-----------SSB>-----------------CW>               |
     15M |-------------------CW>                            |
=============================================================
Notes:
 1) * due to low TOA, may require better than average
  antenna.
 2) N=Noise, P=Poor, F=Fair, G=Good, E=Excellent

=============================================================
Report by: WinCAP Wizard
```