



Certificación 3<sup>er</sup> trimestre 2015 FNMT-RCM  
Datos de tiempo de la central de red ROA1

Real Instituto y Observatorio de la Armada

16 de Octubre de 2015

| Datos de tiempo de la central de red ROA1 |          |           |           |            |           |           |       |
|---|----------|-----------|-----------|------------|-----------|-----------|-------|
| Mes de Julio de 2015                      |          |           |           |            |           |           |       |
| Día                                       | Sinc/día | Media(s)  | Max.(s)   | Min.(s)    | RMS(s)    | Frec(ppm) | +/-   |
| 01  | 5232     | 5.879e-08 | 3.339e-06 | -4.540e-06 | 6.500e-07 | 14.74     | 0.072 |
| 02  | 5214     | 1.105e-07 | 1.380e-04 | -5.432e-06 | 2.798e-06 | 14.74     | 0.082 |
| 03  | 5243     | 1.103e-07 | 3.607e-06 | -3.109e-06 | 6.507e-07 | 14.71     | 0.018 |
| 04  | 5239     | 6.119e-08 | 1.439e-05 | -1.205e-05 | 2.670e-06 | 14.32     | 0.401 |
| 05  | 5240     | 7.846e-08 | 1.095e-05 | -6.963e-06 | 2.231e-06 | 14.42     | 0.291 |
| 06  | 5251     | 4.234e-08 | 5.070e-06 | -5.398e-06 | 7.615e-07 | 14.69     | 0.040 |
| 07  | 5240     | 7.614e-08 | 4.075e-06 | -1.046e-05 | 9.972e-07 | 14.63     | 0.086 |
| 08  | 5239     | 6.356e-08 | 2.070e-06 | -4.815e-06 | 6.714e-07 | 14.69     | 0.022 |
| 09  | 5237     | 5.290e-08 | 6.575e-06 | -6.685e-06 | 1.561e-06 | 14.53     | 0.159 |
| 10  | 5239     | 1.118e-07 | 4.943e-06 | -2.709e-06 | 6.936e-07 | 14.69     | 0.033 |
| 11  | 5248     | 7.813e-08 | 2.985e-06 | -3.533e-06 | 6.232e-07 | 14.70     | 0.020 |
| 12  | 5232     | 7.937e-08 | 3.893e-06 | -4.121e-06 | 6.535e-07 | 14.71     | 0.014 |
| 13  | 5233     | 8.278e-08 | 3.140e-06 | -3.911e-06 | 6.003e-07 | 14.71     | 0.011 |
| 14  | 5232     | 8.361e-08 | 2.155e-06 | -4.386e-06 | 6.301e-07 | 14.71     | 0.012 |
| 15  | 5242     | 7.612e-08 | 2.644e-06 | -4.790e-06 | 6.283e-07 | 14.71     | 0.012 |
| 16  | 5242     | 8.076e-08 | 2.457e-06 | -4.624e-06 | 6.444e-07 | 14.71     | 0.011 |
| 17  | 5237     | 7.316e-08 | 2.391e-06 | -4.290e-06 | 6.310e-07 | 14.71     | 0.011 |
| 18  | 5233     | 8.634e-08 | 1.749e-06 | -4.347e-06 | 6.199e-07 | 14.71     | 0.010 |
| 19  | 5242     | 7.198e-08 | 4.027e-06 | -4.522e-06 | 6.826e-07 | 14.71     | 0.029 |
| 20  | 5241     | 7.132e-08 | 2.326e-06 | -4.571e-06 | 6.081e-07 | 14.71     | 0.012 |
| 21  | 5242     | 7.050e-08 | 2.248e-06 | -2.881e-06 | 6.170e-07 | 14.71     | 0.010 |
| 22  | 5243     | 7.761e-08 | 1.872e-06 | -3.995e-06 | 6.266e-07 | 14.71     | 0.012 |
| 23  | 5238     | 8.663e-08 | 2.098e-06 | -5.043e-06 | 6.152e-07 | 14.71     | 0.010 |
| 24  | 5241     | 1.023e-07 | 3.267e-06 | -3.603e-06 | 6.308e-07 | 14.71     | 0.019 |
| 25  | 5238     | 7.207e-08 | 2.679e-06 | -4.335e-06 | 6.357e-07 | 14.71     | 0.012 |
| 26  | 5237     | 1.282e-07 | 5.253e-06 | -5.093e-06 | 6.993e-07 | 14.70     | 0.019 |
| 27  | 5239     | 7.903e-08 | 2.969e-06 | -5.057e-06 | 6.429e-07 | 14.72     | 0.016 |
| 28  | 5244     | 7.409e-08 | 3.420e-06 | -3.484e-06 | 6.194e-07 | 14.72     | 0.013 |
| 29  | 5242     | 8.601e-08 | 2.666e-06 | -3.946e-06 | 6.430e-07 | 14.72     | 0.014 |
| 30  | 5241     | 6.174e-08 | 2.024e-06 | -5.479e-06 | 6.551e-07 | 14.73     | 0.026 |
| 31  | 5236     | 6.800e-08 | 3.983e-06 | -4.183e-06 | 6.673e-07 | 14.72     | 0.016 |

| Datos de tiempo de la central de red ROA1 |          |           |           |            |           |           |       |
|---|----------|-----------|-----------|------------|-----------|-----------|-------|
| Mes de Agosto de 2015                     |          |           |           |            |           |           |       |
| Día                                       | Sinc/día | Media(s)  | Max.(s)   | Min.(s)    | RMS(s)    | Frec(ppm) | +/-   |
| 01  | 5239     | 9.176e-08 | 3.137e-06 | -4.725e-06 | 6.256e-07 | 14.71     | 0.013 |
| 02  | 5240     | 6.408e-08 | 3.072e-06 | -5.117e-06 | 6.734e-07 | 14.72     | 0.014 |
| 03  | 5239     | 6.889e-08 | 3.052e-06 | -4.980e-06 | 6.537e-07 | 14.72     | 0.016 |
| 04  | 5237     | 7.372e-08 | 2.949e-06 | -4.150e-06 | 6.380e-07 | 14.72     | 0.015 |
| 05  | 5236     | 7.314e-08 | 2.847e-06 | -3.485e-06 | 6.313e-07 | 14.72     | 0.011 |
| 06  | 5237     | 7.566e-08 | 1.844e-06 | -4.555e-06 | 6.215e-07 | 14.72     | 0.011 |
| 07  | 5241     | 6.477e-08 | 2.568e-06 | -4.559e-06 | 6.584e-07 | 14.73     | 0.017 |
| 08  | 5233     | 8.614e-08 | 2.288e-06 | -4.339e-06 | 6.411e-07 | 14.72     | 0.012 |
| 09  | 5244     | 7.934e-08 | 2.307e-06 | -5.388e-06 | 6.344e-07 | 14.72     | 0.011 |
| 10  | 5244     | 6.910e-08 | 1.743e-06 | -3.320e-06 | 6.195e-07 | 14.71     | 0.016 |
| 11  | 5248     | 6.228e-08 | 2.194e-06 | -4.883e-06 | 6.441e-07 | 14.72     | 0.020 |
| 12  | 5251     | 8.672e-08 | 1.896e-06 | -3.789e-06 | 6.009e-07 | 14.72     | 0.011 |
| 13  | 5239     | 7.451e-08 | 3.153e-06 | -4.354e-06 | 6.807e-07 | 14.72     | 0.013 |
| 14  | 5246     | 9.159e-08 | 3.793e-06 | -2.551e-06 | 6.793e-07 | 14.72     | 0.015 |
| 15  | 5245     | 7.106e-08 | 2.587e-06 | -4.397e-06 | 6.457e-07 | 14.72     | 0.010 |
| 16  | 5237     | 8.749e-08 | 3.079e-06 | -4.985e-06 | 6.382e-07 | 14.73     | 0.014 |
| 17  | 5241     | 6.706e-08 | 2.995e-06 | -5.677e-06 | 6.622e-07 | 14.72     | 0.015 |
| 18  | 5246     | 1.054e-07 | 3.144e-06 | -3.503e-06 | 7.113e-07 | 14.72     | 0.014 |
| 19  | 5245     | 7.652e-08 | 3.732e-06 | -3.565e-06 | 7.898e-07 | 14.73     | 0.018 |
| 20  | 5242     | 6.521e-08 | 2.719e-06 | -4.157e-06 | 7.302e-07 | 14.72     | 0.012 |
| 21  | 5249     | 7.717e-08 | 4.982e-06 | -3.170e-06 | 7.399e-07 | 14.72     | 0.021 |
| 22  | 5233     | 6.685e-08 | 2.364e-06 | -3.867e-06 | 6.835e-07 | 14.72     | 0.011 |
| 23  | 5243     | 9.309e-08 | 4.274e-06 | -5.006e-06 | 7.708e-07 | 14.73     | 0.013 |
| 24  | 5242     | 6.757e-08 | 2.782e-06 | -4.776e-06 | 7.177e-07 | 14.73     | 0.018 |
| 25  | 5236     | 7.170e-08 | 3.391e-06 | -3.751e-06 | 7.488e-07 | 14.72     | 0.016 |
| 26  | 5240     | 7.615e-08 | 4.074e-06 | -2.910e-06 | 7.727e-07 | 14.73     | 0.019 |
| 27  | 5242     | 8.110e-08 | 5.556e-06 | -4.408e-06 | 7.772e-07 | 14.72     | 0.028 |
| 28  | 5244     | 6.662e-08 | 3.453e-06 | -3.427e-06 | 7.831e-07 | 14.73     | 0.014 |
| 29  | 5242     | 8.117e-08 | 3.365e-06 | -4.046e-06 | 7.945e-07 | 14.73     | 0.011 |
| 30  | 5240     | 6.918e-08 | 3.390e-06 | -1.285e-05 | 8.602e-07 | 14.74     | 0.028 |
| 31  | 5241     | 7.749e-08 | 2.718e-06 | -4.763e-06 | 7.607e-07 | 14.73     | 0.014 |

| Datos de tiempo de la central de red ROA1 |          |           |           |            |           |           |       |
|---|----------|-----------|-----------|------------|-----------|-----------|-------|
| Mes de Septiembre de 2015                 |          |           |           |            |           |           |       |
| Día                                       | Sinc/día | Media(s)  | Max.(s)   | Min(s).    | RMS(s)    | Frec(ppm) | +/-   |
| 01  | 5243     | 8.388e-08 | 3.495e-06 | -3.055e-06 | 7.367e-07 | 14.73     | 0.013 |
| 02  | 5244     | 6.975e-08 | 3.332e-06 | -5.519e-06 | 7.362e-07 | 14.73     | 0.014 |
| 03  | 5242     | 7.147e-08 | 4.785e-06 | -4.572e-06 | 7.565e-07 | 14.73     | 0.019 |
| 04  | 5236     | 6.453e-08 | 3.458e-06 | -5.439e-06 | 7.416e-07 | 14.73     | 0.015 |
| 05  | 5235     | 6.078e-08 | 4.435e-06 | -4.268e-06 | 7.805e-07 | 14.73     | 0.017 |
| 06  | 5239     | 8.322e-08 | 4.806e-06 | -4.908e-06 | 8.062e-07 | 14.73     | 0.019 |
| 07  | 5242     | 7.745e-08 | 4.176e-06 | -5.761e-06 | 8.108e-07 | 14.74     | 0.029 |
| 08  | 5239     | 7.137e-08 | 3.741e-06 | -4.409e-06 | 7.620e-07 | 14.73     | 0.013 |
| 09  | 5235     | 7.393e-08 | 3.134e-06 | -3.993e-06 | 7.428e-07 | 14.74     | 0.015 |
| 10  | 5236     | 8.539e-08 | 3.411e-06 | -3.722e-06 | 6.953e-07 | 14.73     | 0.019 |
| 11  | 5248     | 5.982e-08 | 4.130e-06 | -6.268e-06 | 6.648e-07 | 14.74     | 0.016 |
| 12  | 5241     | 7.462e-08 | 3.983e-06 | -4.320e-06 | 6.589e-07 | 14.73     | 0.014 |
| 13  | 5240     | 8.852e-08 | 4.472e-06 | -4.616e-06 | 7.220e-07 | 14.73     | 0.015 |
| 14  | 5241     | 8.239e-08 | 4.355e-06 | -4.648e-06 | 6.898e-07 | 14.74     | 0.017 |
| 15  | 5229     | 9.633e-08 | 4.294e-06 | -4.010e-06 | 6.716e-07 | 14.73     | 0.022 |
| 16  | 5246     | 9.313e-08 | 4.545e-06 | -3.551e-06 | 6.873e-07 | 14.73     | 0.013 |
| 17  | 5240     | 7.747e-08 | 4.392e-06 | -3.756e-06 | 7.298e-07 | 14.74     | 0.021 |
| 18  | 5241     | 7.004e-08 | 4.986e-06 | -4.594e-06 | 6.872e-07 | 14.74     | 0.021 |
| 19  | 5246     | 9.139e-08 | 5.380e-06 | -4.588e-06 | 7.037e-07 | 14.74     | 0.025 |
| 20  | 5247     | 7.892e-08 | 5.647e-06 | -5.256e-06 | 7.334e-07 | 14.74     | 0.022 |
| 21  | 5239     | 8.069e-08 | 3.456e-06 | -4.110e-06 | 6.682e-07 | 14.74     | 0.014 |
| 22  | 5238     | 7.217e-08 | 4.188e-06 | -3.957e-06 | 6.681e-07 | 14.74     | 0.014 |
| 23  | 5242     | 7.423e-08 | 3.787e-06 | -2.782e-06 | 6.733e-07 | 14.74     | 0.017 |
| 24  | 5237     | 1.012e-07 | 4.661e-06 | -4.523e-06 | 6.750e-07 | 14.74     | 0.014 |
| 25  | 5239     | 7.086e-08 | 3.939e-06 | -4.400e-06 | 6.787e-07 | 14.74     | 0.013 |
| 26  | 5240     | 1.035e-07 | 4.571e-06 | -5.296e-06 | 6.704e-07 | 14.73     | 0.013 |
| 27  | 5243     | 8.110e-08 | 4.011e-06 | -5.345e-06 | 6.934e-07 | 14.74     | 0.017 |
| 28  | 5234     | 7.998e-08 | 4.029e-06 | -5.046e-06 | 6.826e-07 | 14.74     | 0.016 |
| 29  | 5235     | 8.190e-08 | 4.114e-06 | -3.680e-06 | 7.261e-07 | 14.74     | 0.012 |
| 30  | 5235     | 8.829e-08 | 3.555e-06 | -4.148e-06 | 6.489e-07 | 14.74     | 0.015 |



San Fernando a 16 de Octubre de 2015



El CN., Jefe de la Sección de Hora