PRELIMINARY REPORT ROA

(August 14th 2006)

Septentrio PolaRx2 s/n 1225

X = +5105510.57 m
Y = -555201.14 m
Z = +3769790.79 m

Lat = 36º 27' 51,36201"
Long = -6º -12' -22,56781"
h = 74.749

INT DLY = 0.0 ns (GPS P1), 0.0 ns (GPS P2)
CAB DLY = 0.0 ns (GPS)
REF DLY = 11.4 ns

GTR50 s/n 0601012

X = +5105510.92 m
Y = -555191.42 m
Z = +3769793.84 m

Lat = 36º 27' 51,4551"
Long = -6º -12' -22,1782"
h = 75.9968

INT DLY = 0.0 ns
CAB DLY = 127.5 ns
REF DLY = 106.4 ns

BIPM Z12-T

X = +5105507.873 m
Y = -555190.754 m
Z = +3769792.308 m

Lat = 36º 27' 51,474976"
Long = -6º -12' -22,164807"
h = 72.5922

Result of the check realized the MJD 53958 (DOY 223), from 10:40 UTC to 11:30 UTC (k = 2).

1. Measurement 3.1-1)

   $(+18.5 \pm 0.2)\text{ns} \quad (k = 2)$

2. Measurement 3.1-2)

   $(+41.2 \pm 0.6)\text{ns} \quad (k = 2)$

3. Measurement 3.1-3)

   $(+18.0 \pm 2)\text{ns} \quad (k = 2)$

4. Plots (3.1-4)

   To be devoted with the final report.

5. Measurement 3.2-1)

   $(+219.6 \pm 2)\text{ns} \quad (k = 2)$

6. Measurement UTC(ROA) - 1 PPS in (Ashtech Z12-T BIPM)

   $(+81{,}8 \pm 0.6)\text{ns} \quad (k = 2)$

7. Measurement UTC(ROA) - 1 PPS in (Septentrio PolaRx2 ROA)

   $(-24{,}6 \pm 2)\text{ns} \quad (k = 2)$