

Hereafter, we show statistical results verifying the normal distribution of errors in X and Y around nodes for 1950 and 1964. In tables, significant p-value mean that null hypothesis ( $H_0$  : the population is normally distributed) can be rejected. All histograms are also shown in Figure 3.

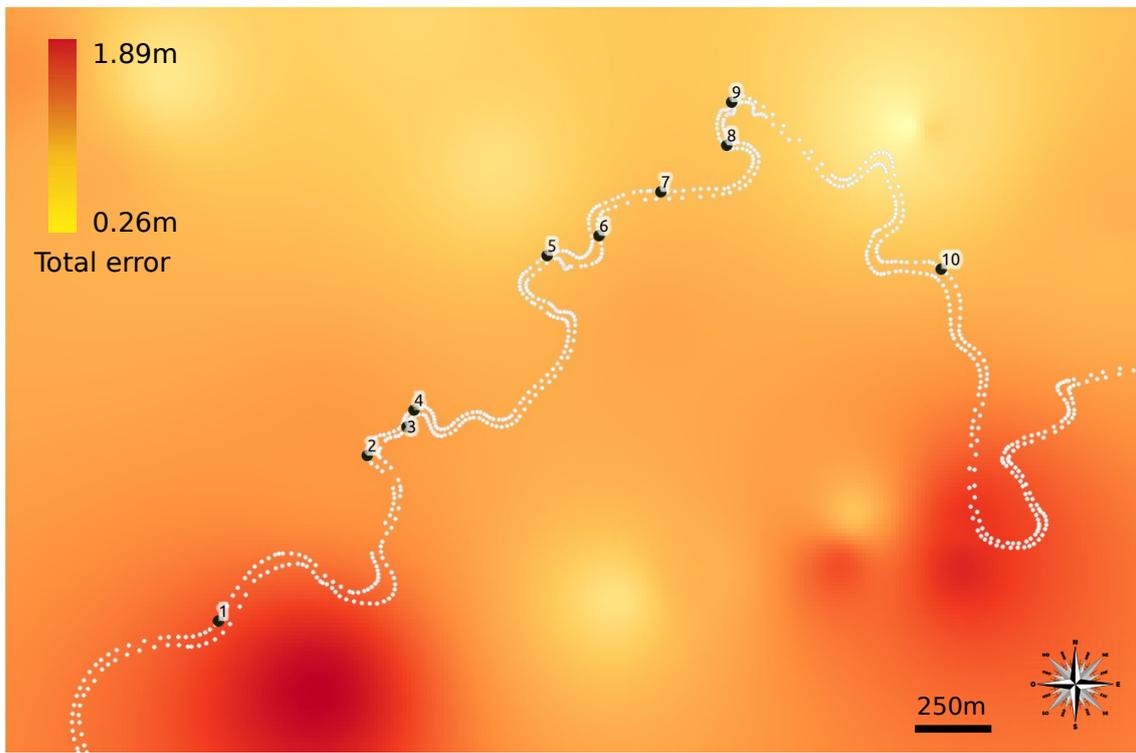


Figure 1 : 10 channel nodes randomly selected for the verification of the normal distribution of local errors in a 5m circular buffer zone in 1950.

Table 1 : Results of Shapiro-tests calculated from the local Error X distribution around nodes in 1950		
Node	Shapiro test	p-value
Num 1	0,9734	0,1059
Num 2	0,9695	0,0668
Num 3	0,9600	0,0162
Num 4	0,9729	0,0992
Num 5	0,9751	0,1303
Num 6	0,9692	0,0584
Num 7	0,9713	0,0688
Num 8	0,9720	0,0875
Num 9	0,9730	0,0966
Num 10	0,9740	0,1154

Table 2 : Results Shapiro-tests calculated from the local Error Y distribution around nodes in 1950		
Node	Shapiro test	p-value
Num 1	0,9761	0,1560
Num 2	0,9710	0,0825
Num 3	0,9718	0,0849
Num 4	0,9747	0,1282
Num 5	0,9657	0,0336
Num 6	0,9692	0,0587
Num 7	0,9723	0,0800
Num 8	0,9696	0,0621
Num 9	0,9751	0,1296
Num 10	0,9762	0,1567

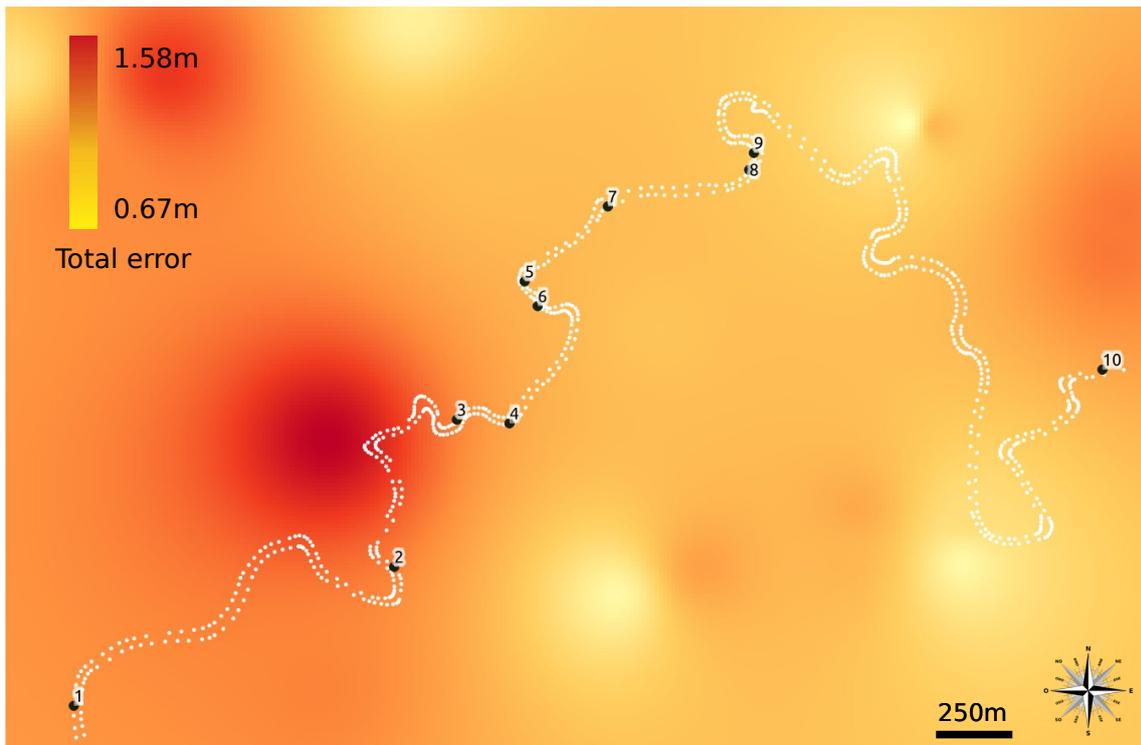


Figure 2 : 10 channel nodes randomly selected for the verification of the normal distribution of local errors in a 5m circular buffer zone in 1964

Table 3 : Results of Shapiro-tests calculated from the local Error X distribution around nodes in 1964		
Node	Shapiro test	p-value
Num 1	0,9643	0,0275
Num 2	0,9764	0,1803
Num 3	0,9748	0,1199
Num 4	0,9742	0,1294
Num 5	0,9752	0,1372
Num 6	0,9721	0,0847
Num 7	0,9736	0,1048
Num 8	0,9763	0,1667
Num 9	0,9738	0,1080
Num 10	0,9760	0,1540

Table 4 : Results of Shapiro-tests calculated from the local Error Y distribution around nodes in 1964		
Node	Shapiro test	p-value
Num 1	0,9709	0,0712
Num 2	0,9661	0,0442
Num 3	0,9757	0,1363
Num 4	0,9726	0,1033
Num 5	0,9743	0,1203
Num 6	0,9641	0,0271
Num 7	0,9735	0,1035
Num 8	0,9744	0,1270
Num 9	0,9712	0,0747
Num 10	0,9756	0,1439

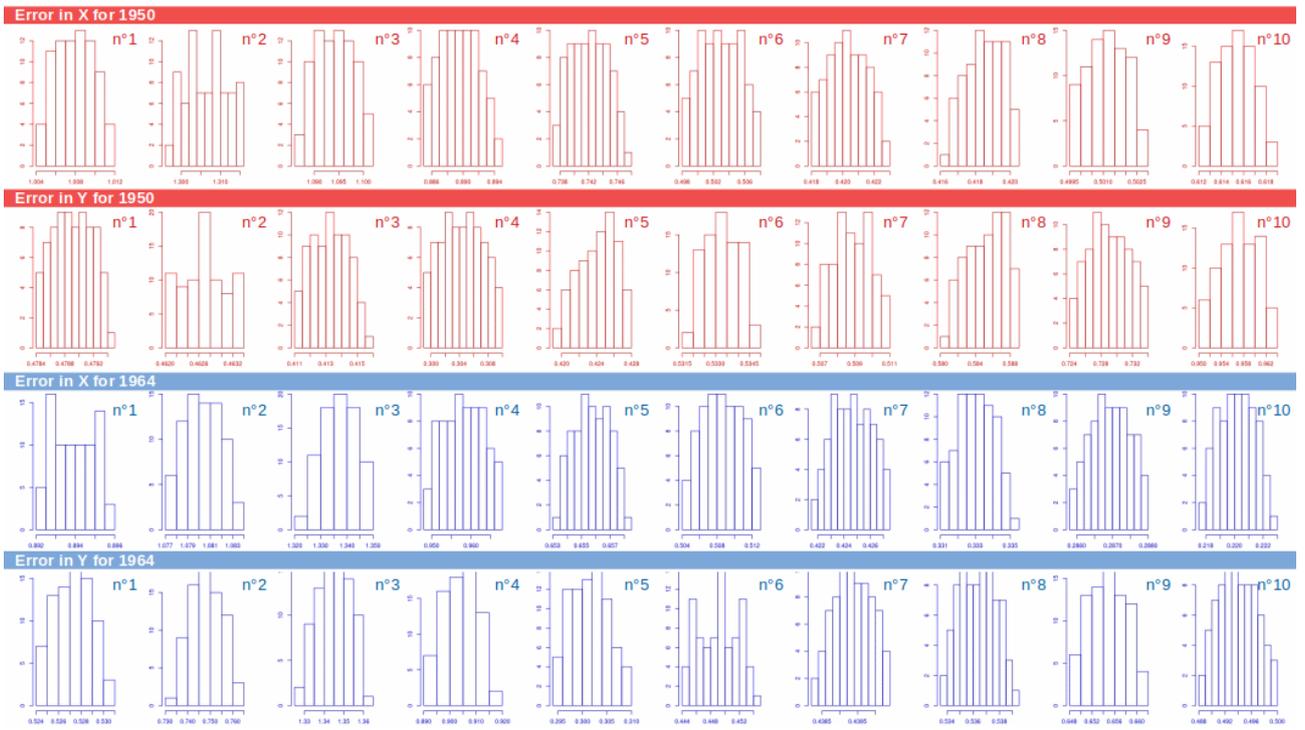


Figure 3 : Histogram distribution of local error in X and Y for 10 channel nodes randomly selected in 1950 and 1964 (see Figure 1 and 2 for visualizing the location of nodes).