Annex D: Delay computation for DICOM Receivers

1 Data processing

Note that DICOM GTR 50 receivers are already including all the implemented delays in the RINEX data. Therefore, we are first providing the raw computation results, and then compute additionally the actual INTDLY to be implemented according to the following equation:

$$INTDLY(Px)_{New} = INTDLY(Px)_{Old} + CABDLY–REFDLY + INDLY(Px)_{Cal}$$

where Px is either $P1$ or $P2$, $INTDLY(Px)_{Old}$ are the INTDLY which are currently implemented in the DICOM receiver and $INTDLY(Px)_{Cal}$ are the results of the raw processing as obtained by LNE-SYRTE during this campaign. The $INTDLY(Px)_{Old}$, $CABDLY$ and $REFDLY$ are taken from the headers of the related CGGTTS files collected according to the campaign schedule or explicitelly stated by the laboratory.

Table 1: Summary information on DICOM GTR50 receivers delay (all values in ns).

Receiver	REFDLY	CABDLY	P1_DLY *Cal*	P2_DLY *Cal*	P1_DLY *Old*	P2_DLY *Old*	P1_DLY *New*	P1_DLY *New*
PT07	43.5	245.8	-200.529	-200.674	-36.9	-24.3	-35.015	-22.570
RO_5	306.9	91.5	215.155	215.125	8.0	26.0	7.755	25.725