Receiver Thumbwheel Setting

This is only done if there is a drift larger than 10ps/s, or prior to a VLBI run where the drift rate must be less than 3 ps/s.
To adjust the thumbwheel setting (= adjust for the drift caused by the maser): Measure for 2 days the (1 PPS_{GPS}-1 PPS_{Maser}) or if the data is already there, determine the drift as described in section "Receiver Thumbwheel Setting".
Lookup in the table below to determine what a particular sign of the drift value means.

Positive value	=	1 PPS_{GPS} leads the 1 PPS_{Maser}
Negative value	=	1 PPS_{GPS} lags the 1 PPS_{Maser}

There is not yet any publicly available software to calculate the thumbwheel settings. Please contact Fredrik Rantakyrö on how to calculate this.