luncertainty on the MEAN FREQUENCY OF A SUB-BURST

Assumptions

1º SD is constant i independent of D

2º SI, is constant ; independent of) (this is debutable because of RFI but we still use it ...)

$$3^{\circ} < 50 5I_{0} > = <50 > <51_{0} > = 0$$
 Suice we assume $<50 > = <5I_{0} > = 0$ this is also debutable because of RFI...

We thus have

$$\frac{\sum_{i=1}^{n} t^{n_{i}}}{\sum_{i=1}^{n} t^{n_{i}}}$$

$$\langle (57)^2 \rangle = \langle (50)^2 \rangle + 4 \langle (51)^2 \rangle \left(\frac{\sum_{ij} I_{ij}^2}{\sum_{ij} I_{ij}^2} \right)^2$$

OR

$$\sigma_{5}^{2} = \sigma_{5}^{2} + 4 \sigma_{13}^{2} \left(\frac{\sum_{i} (3-5) I_{0}}{\sum_{i} I_{0}i^{2}} \right)^{2}$$

Note that for a symmetric intensity profile about \tilde{D} (e.g., a Gaussian function) the last term goes to zero.

For a blot-top sample of width 60, we have

$$\mathcal{O}_{2} = \Delta_{2}$$

The sensitivity of is given by the amount of noise on the materfall.