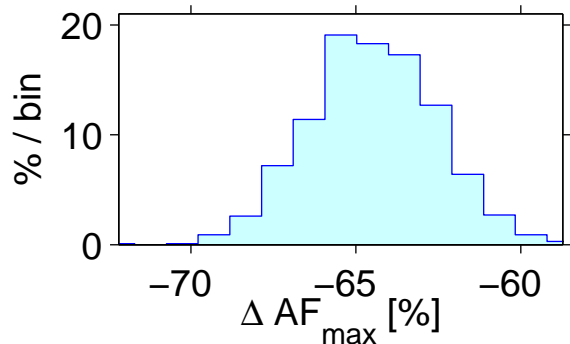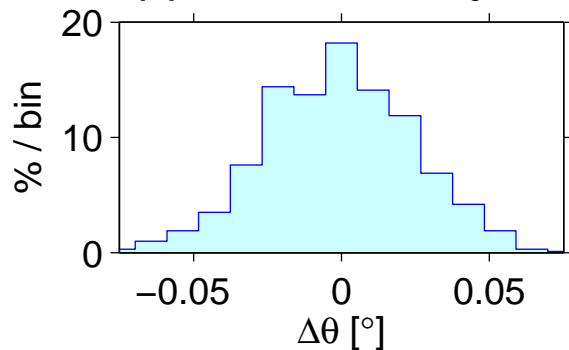ARRAY 50×20 1.50×1.50 $\delta x=0.0°$ $\theta=0.00°$ W=0.68°
ELEMENT JITTER $\Delta t=1000$ ps $\Delta\psi=81.0°$ $\Delta a/a=20.1\%$
$\Delta AF=-64.5\%\pm1.9$ $\Delta\theta=-0.001°\pm0.025$ $\Delta W=-0.001°\pm0.018$

**(a) Beam amplitude jitter**

**(b) Beam direction jitter**

**(c) Beam width jitter**