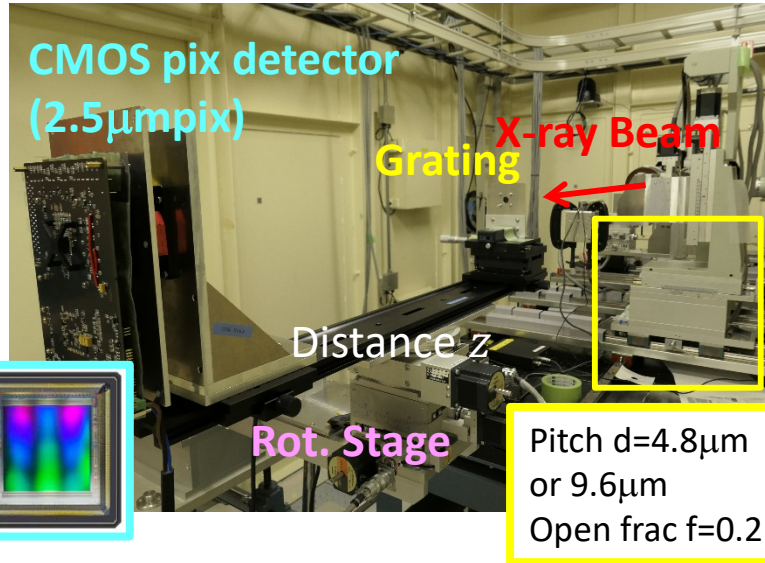


Sub Arcsecond (finally Micro Arcsecond) Imaging with Multi Image X-ray Interferometer Module (**MIXIM**)

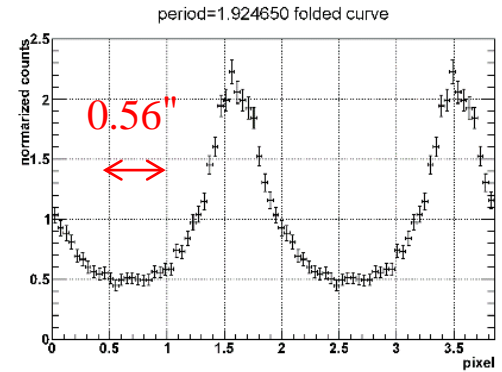
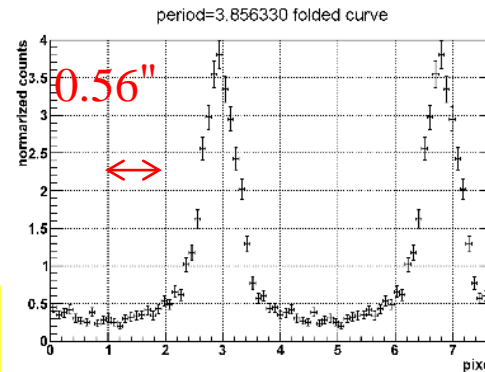
SPring8 BL20B2



Stacked Profile of the X-ray Image

$d=9.6\mu\text{m}$, $z=0.92\text{m}$
 $E_x=12.4\text{keV}$

$d=4.8\mu\text{m}$, $z=0.46\text{m}$
 $E_x=12.4\text{keV}$



MIXIM succeeded in **sub arcsecond X-ray Imaging** with a grating and a CMOS pixel detector separated by 46cm.

The MIXIM is **scalable** from the small size (50cm) & subarcsec resolution for very small satellites (MIXIM-S), parasite to 10m size X-ray observatory (MIXIM-P), free fryer units (MIXIM-Z), and ultimately 2.5million km and micro-arcsec resolution (MIXIM-L).

We need platforms for any of these !

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