



STRUCTURAL SCIENCE  
CRYSTAL ENGINEERING  
MATERIALS

**Volume 78 (2022)**

**Supporting information for article:**

**Correlated disorder and crystal structure of  $\beta$ -VOSO<sub>4</sub>**

**Chloe A. Fuller, Diana Lucia Quintero-Castro, Alexei Bosak, Vadim Dyadkin and Dmitry Chernyshov**

# Correlated disorder and crystal structure of $\beta$ -VOSO<sub>4</sub>

Chloe A. Fuller,<sup>a\*</sup> Diana Lucia Quintero-Castro,<sup>b</sup> Alexei Bosak,<sup>c</sup>  
Vadim Dyadkin<sup>a</sup> and Dmitry Chernyshov<sup>a</sup>

<sup>a</sup>*SNBL at ESRF, Grenoble France, <sup>b</sup>Department of Mathematics and Physics,  
Universitetet i Stavanger, 4036 Stavanger, Norway, and <sup>c</sup>ESRF, Grenoble France.*

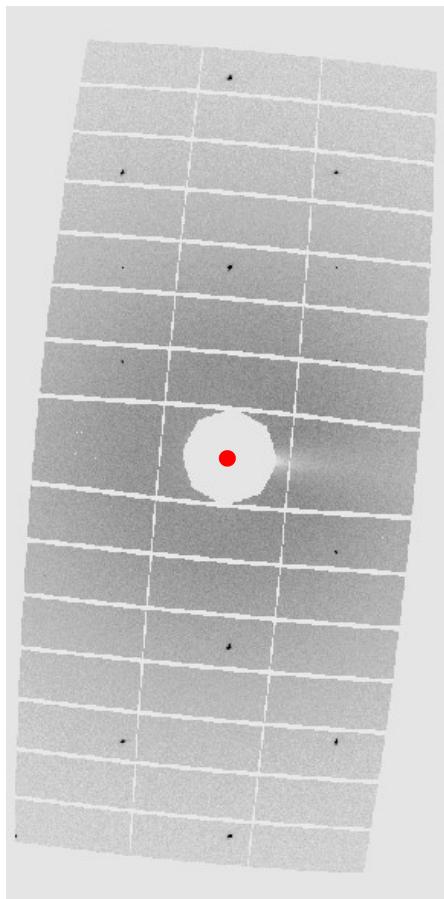
*E-mail: chloe.fuller@esrf.fr*

## Supplementary Information

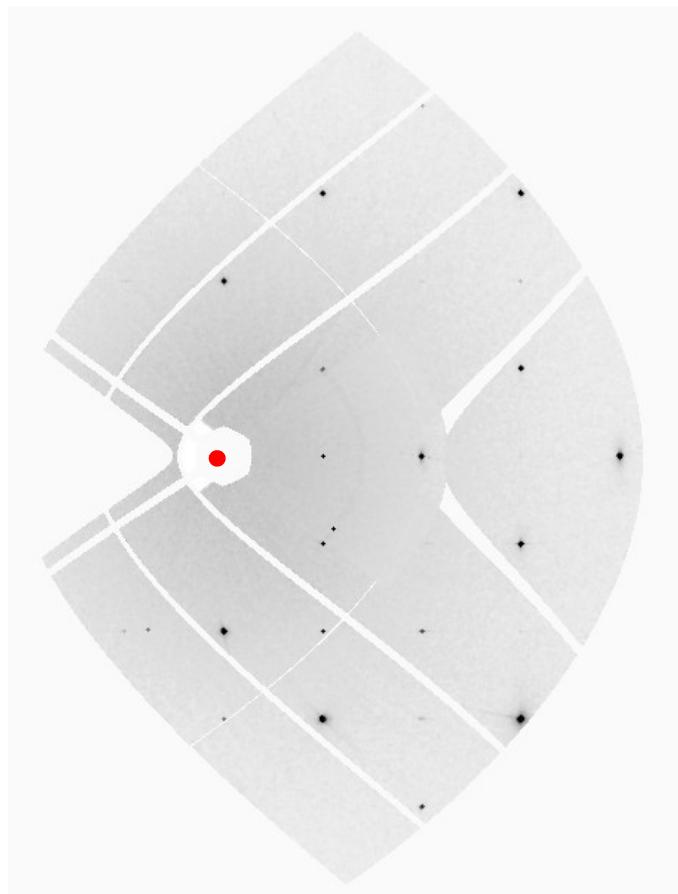
### hkl layer reconstructions

0kl

BM01



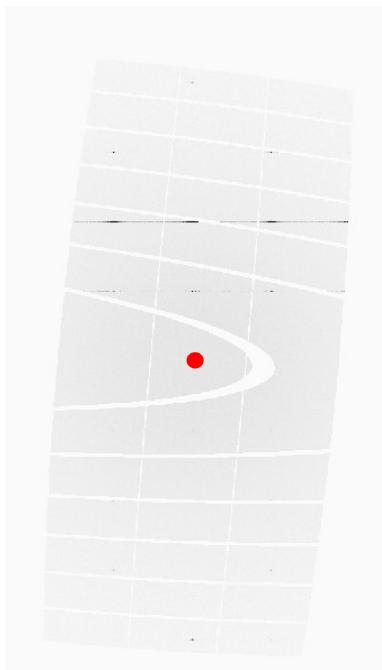
ID28



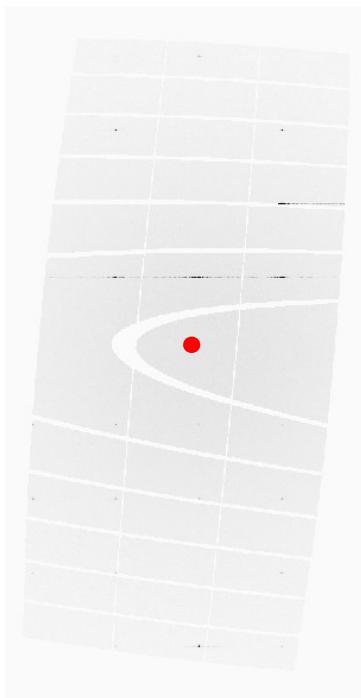
$\pm 1kl$

BM01

-1kl

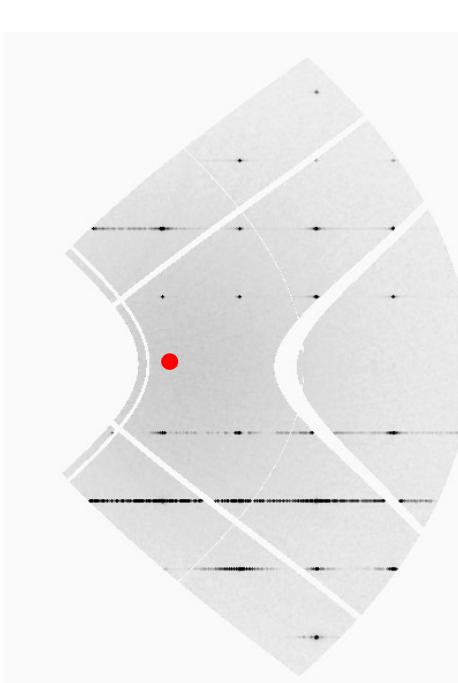


1kl

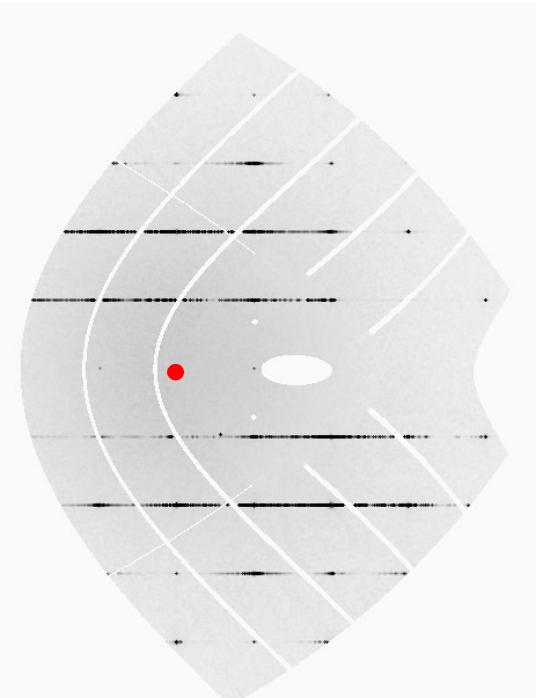


ID28

-1kl



1kl

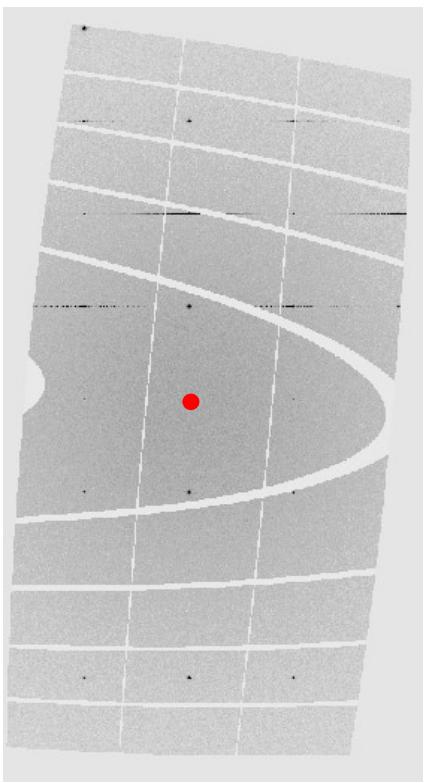


$\pm 2kl$ 

BM01

-2kl

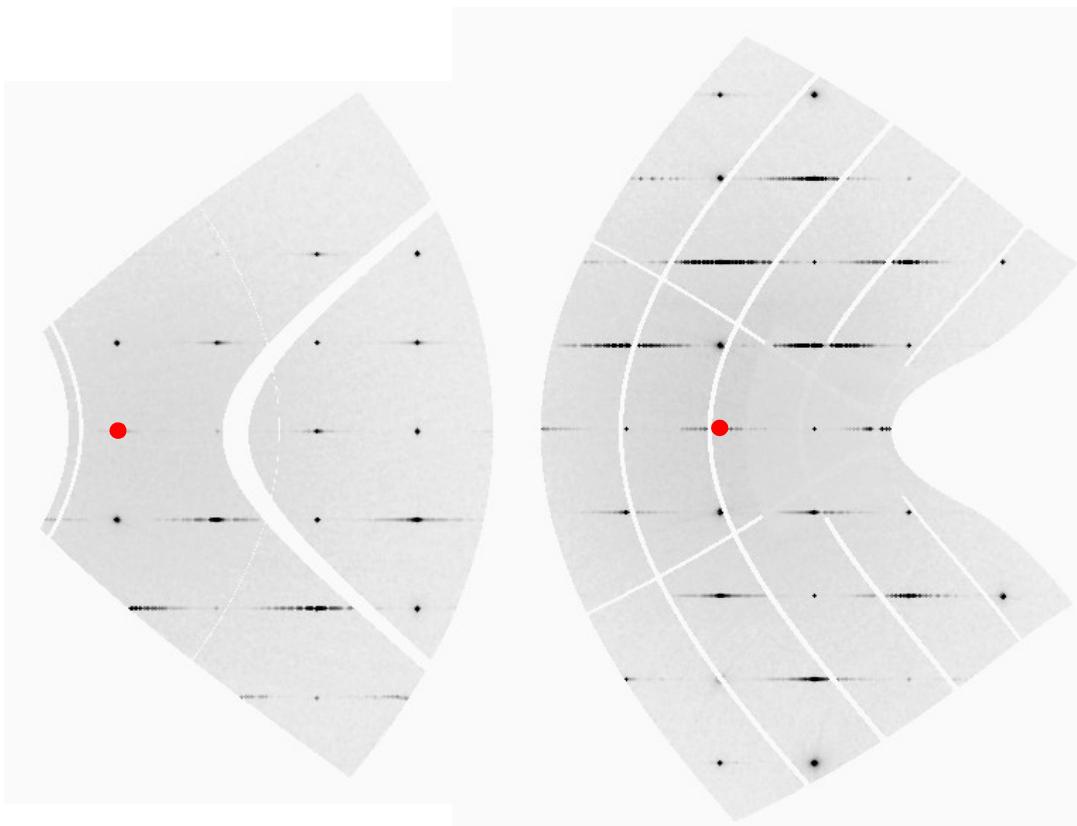
2kl



ID28

-2kl

2kl

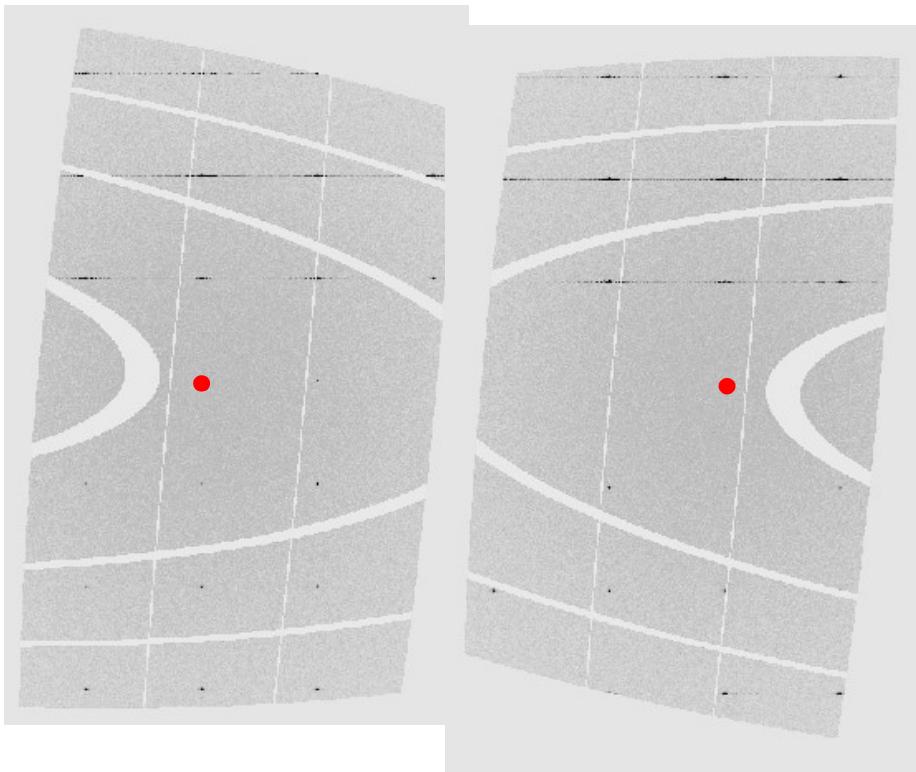


$\pm 3kl$

BM01

-3kl

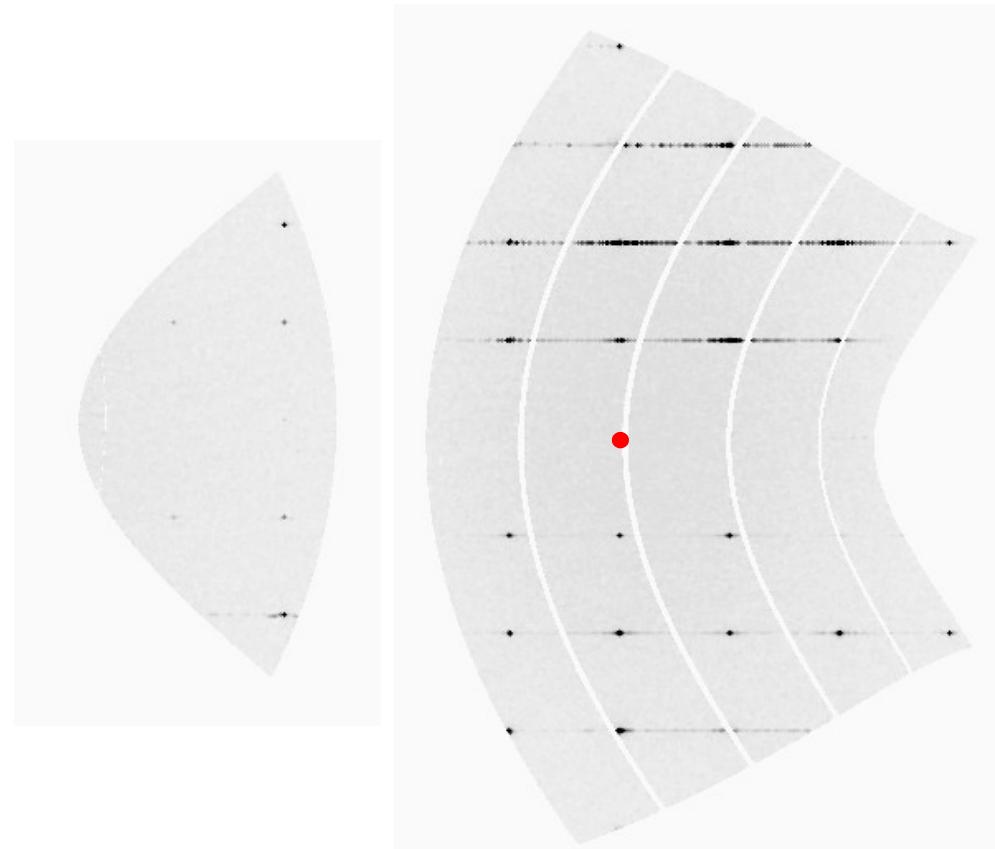
3kl



ID28

-3kl

3kl



$\pm 4kl$ 

BM01

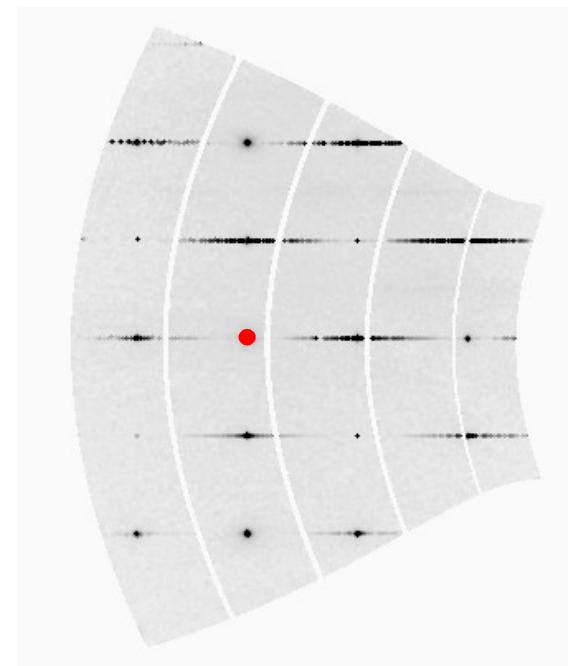
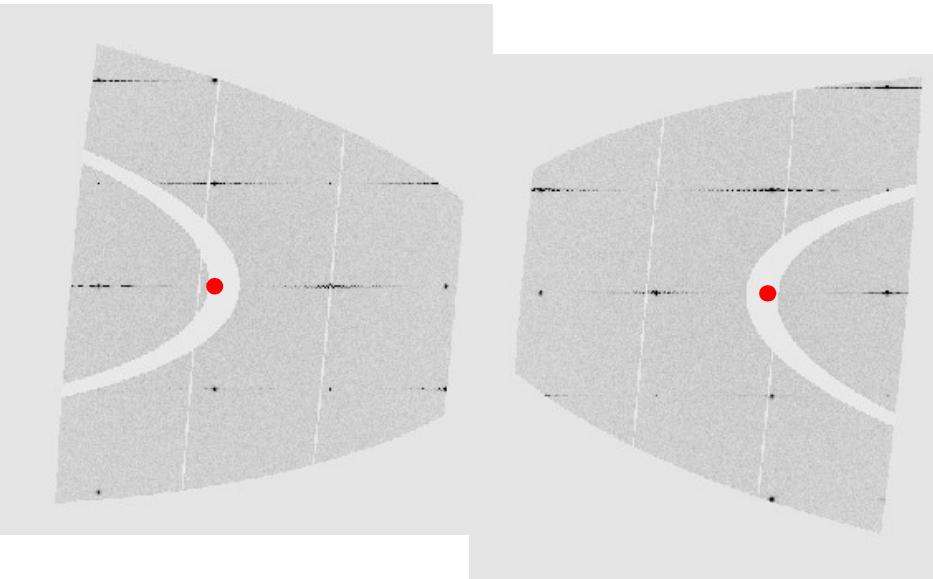
-4kl

4kl

ID28

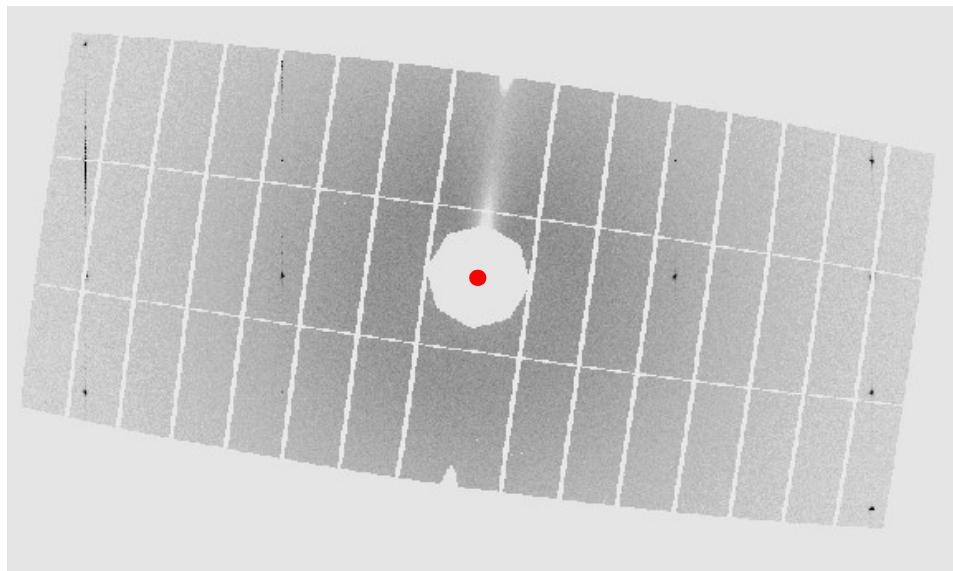
4kl

-4kl

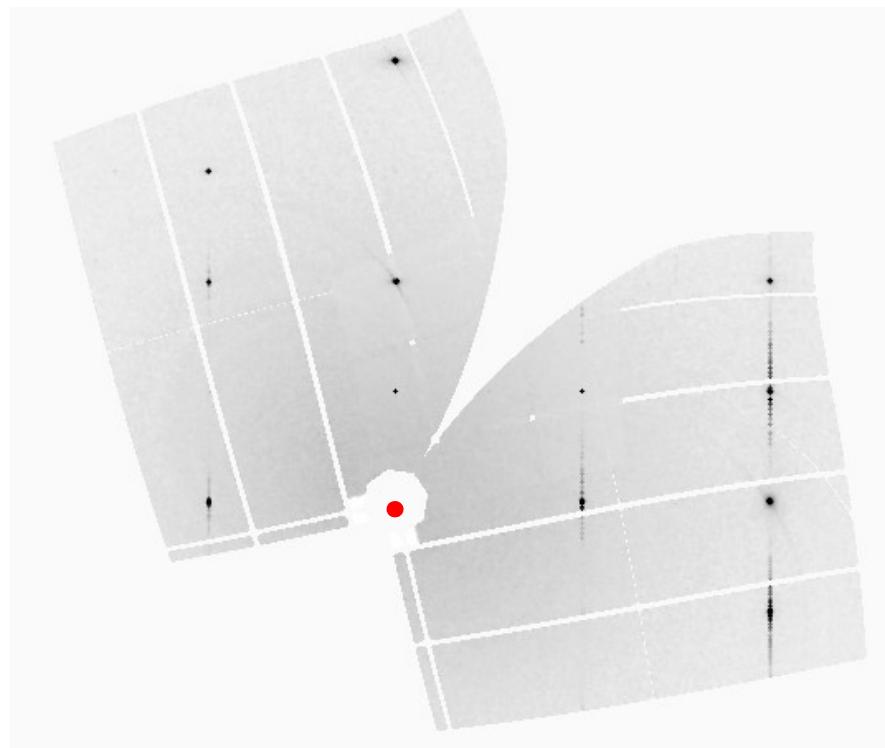


$hk0$

BM01



ID28

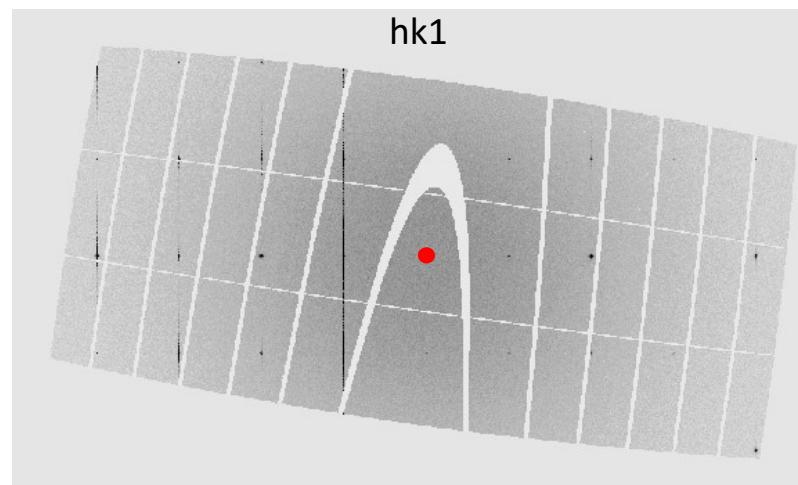
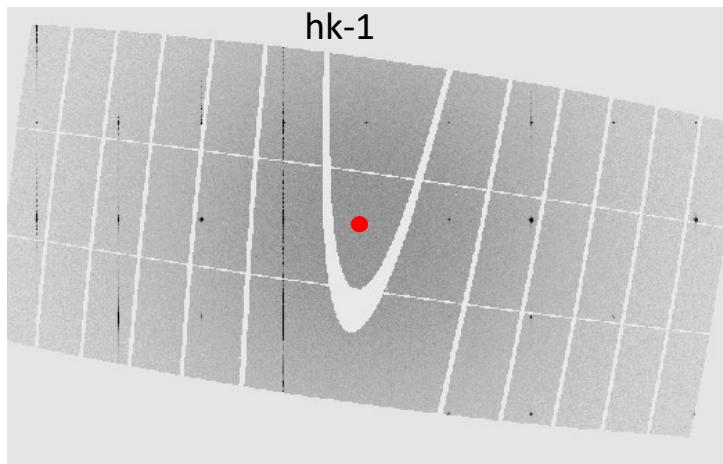


BM01

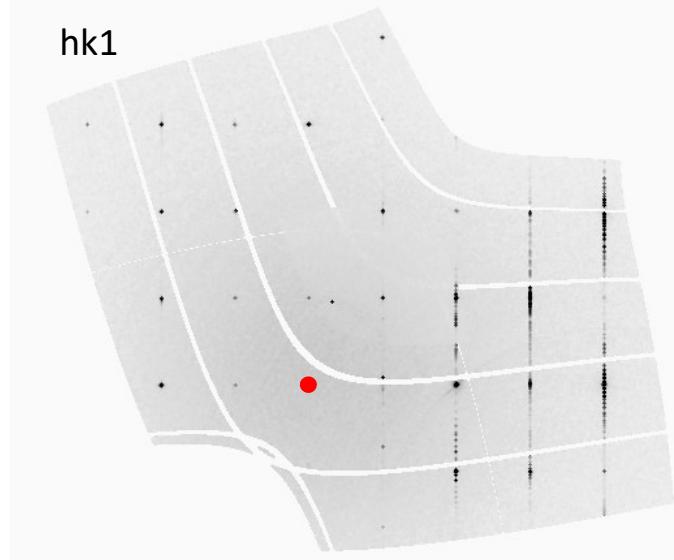
$hk\pm 1$

ID28

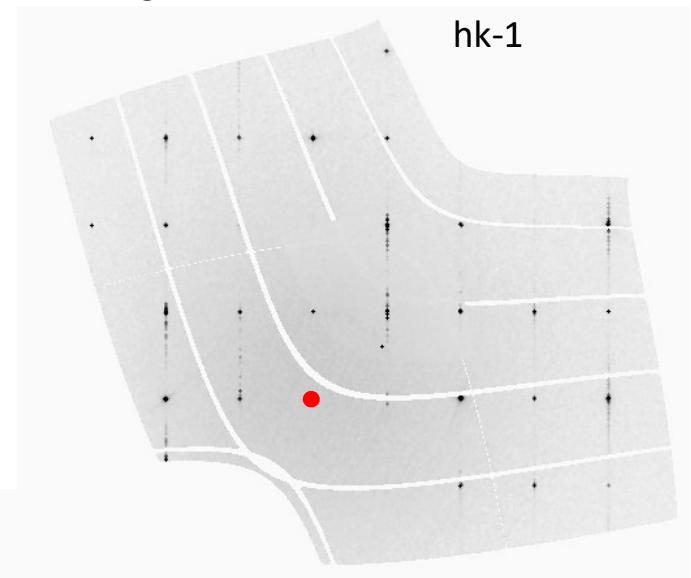
$hk-1$



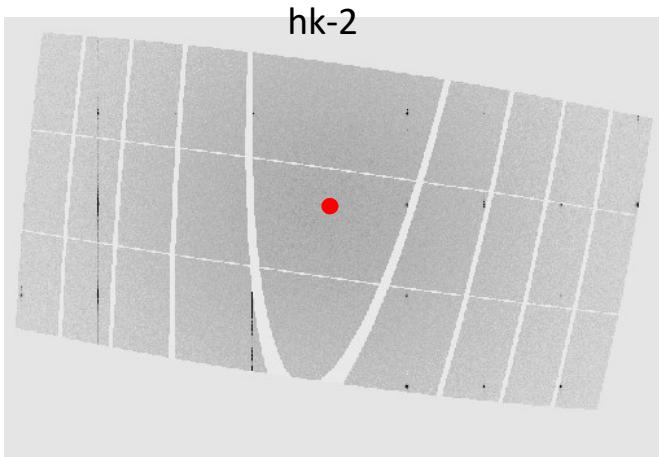
$hk1$



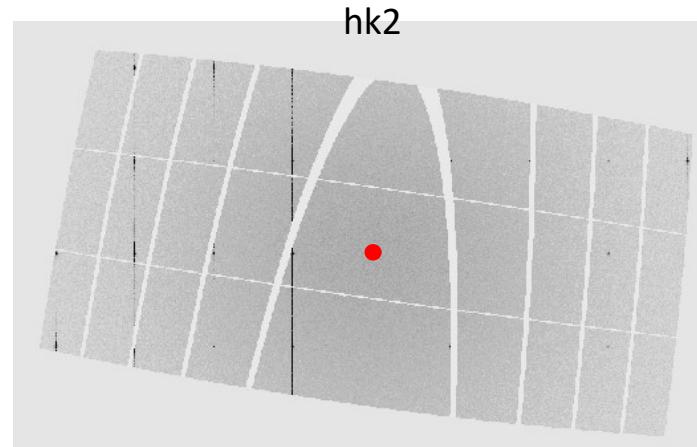
ID28



BM01

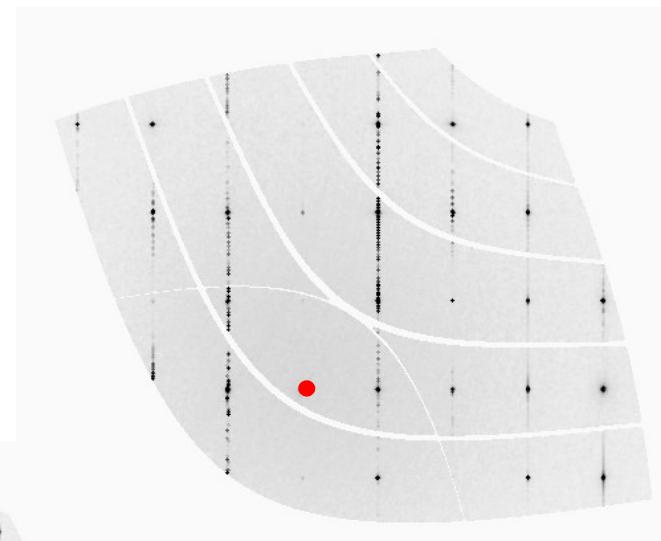


$hk\pm 2$

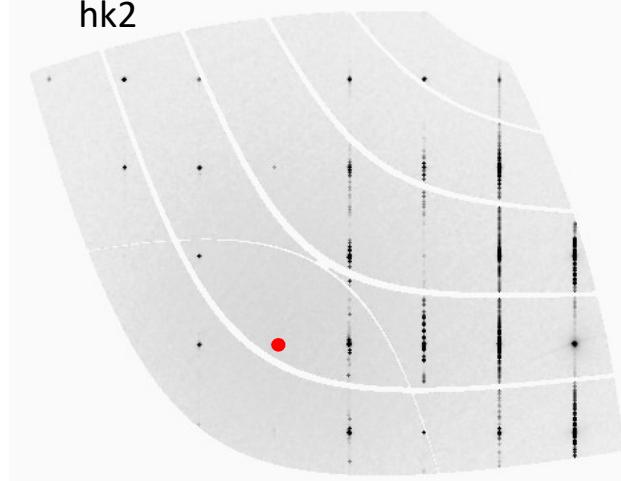


ID28

hk-2

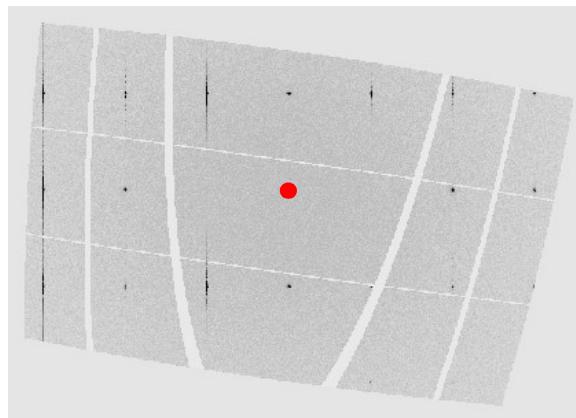


hk2

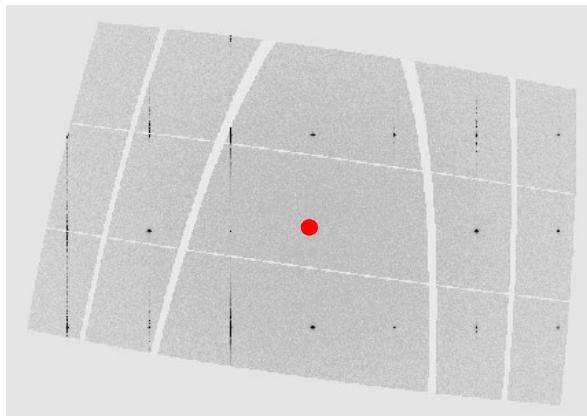


BM01

hk-3



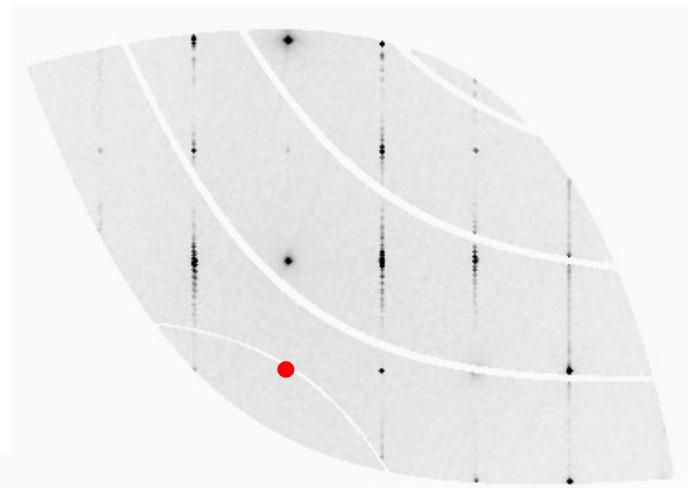
hk3



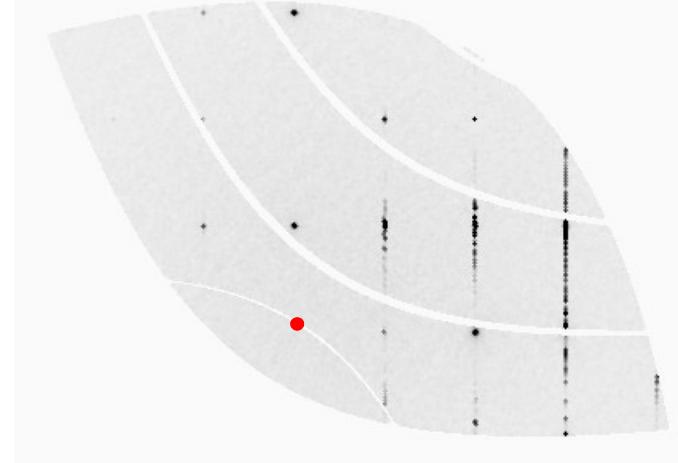
hk $\pm$ 3

ID28

hk-3

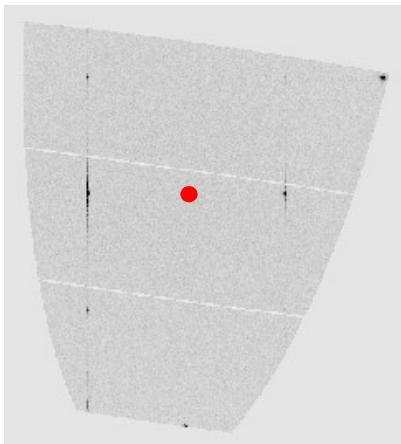


hk3

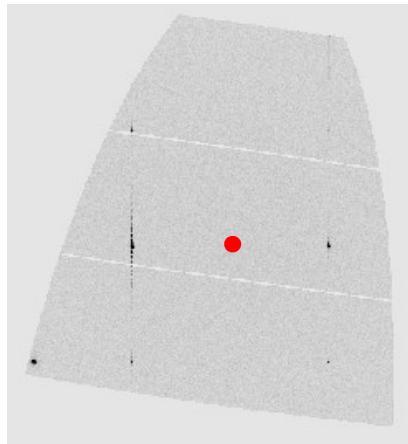


BM01

hk-4



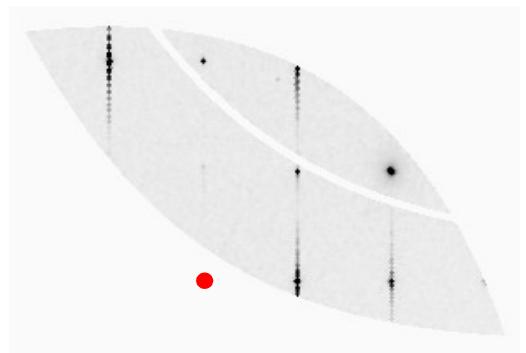
hk4



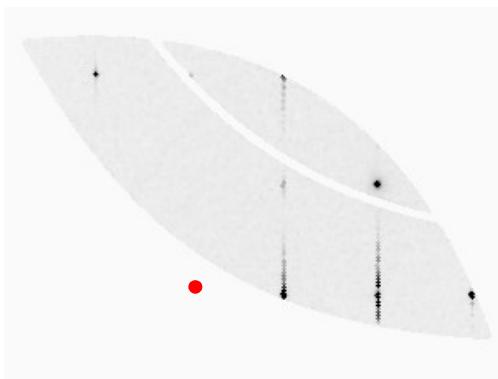
$hk\pm 4$

ID28

hk-4

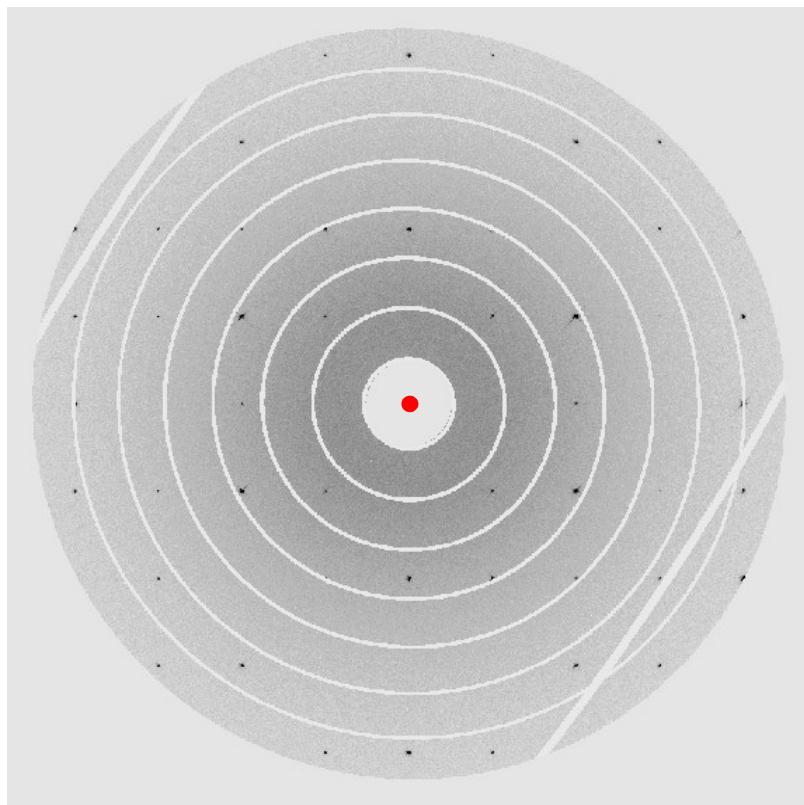


Hk4

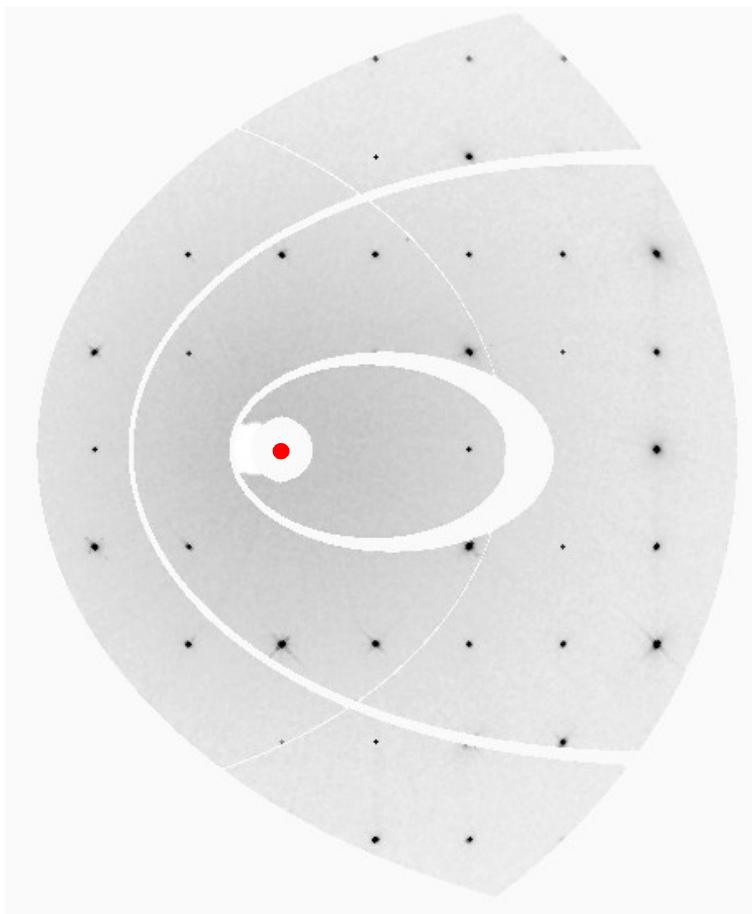


h01

BM01

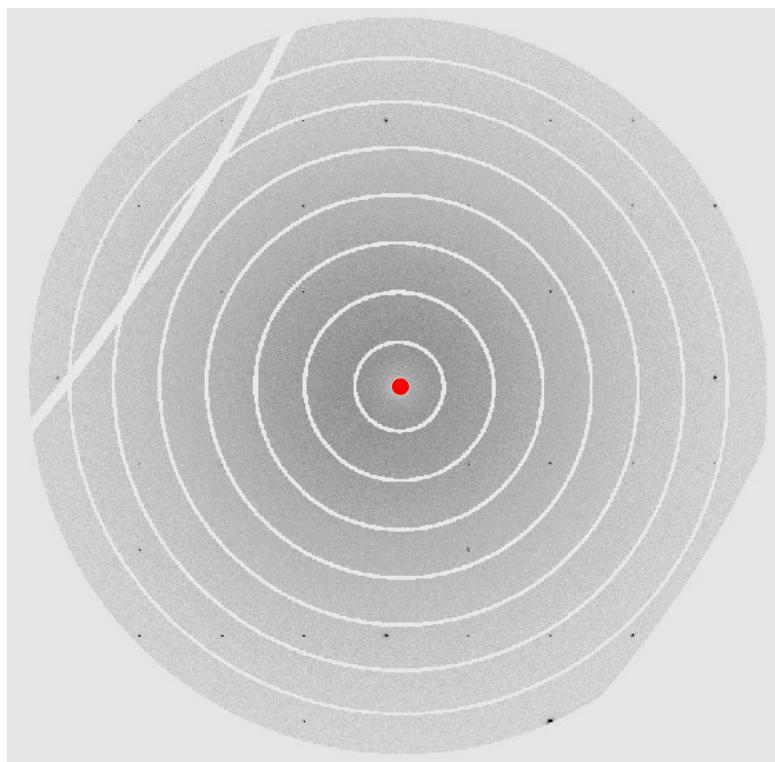


ID28

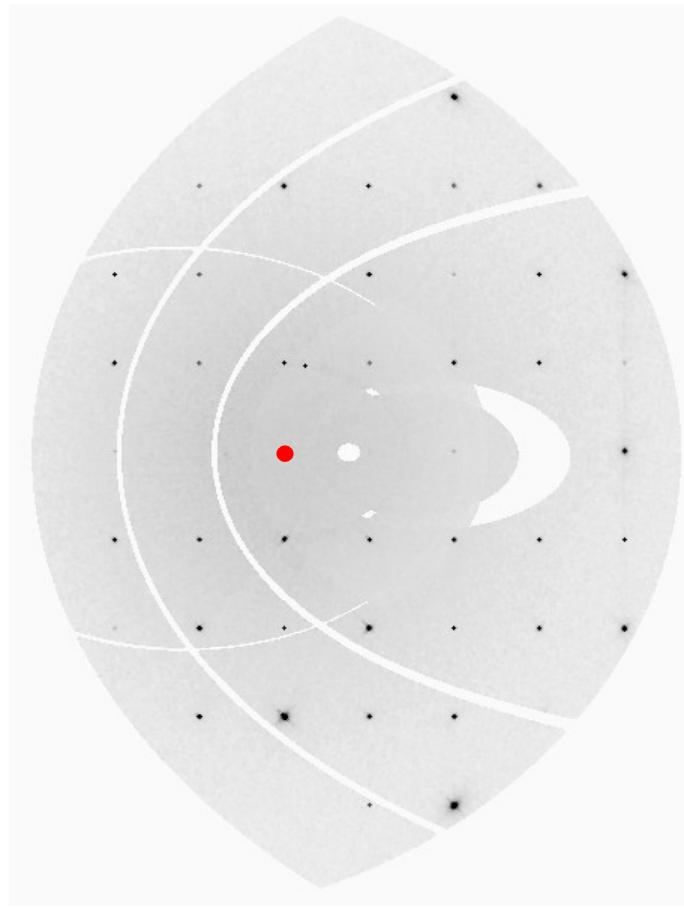


$h1|$

BM01

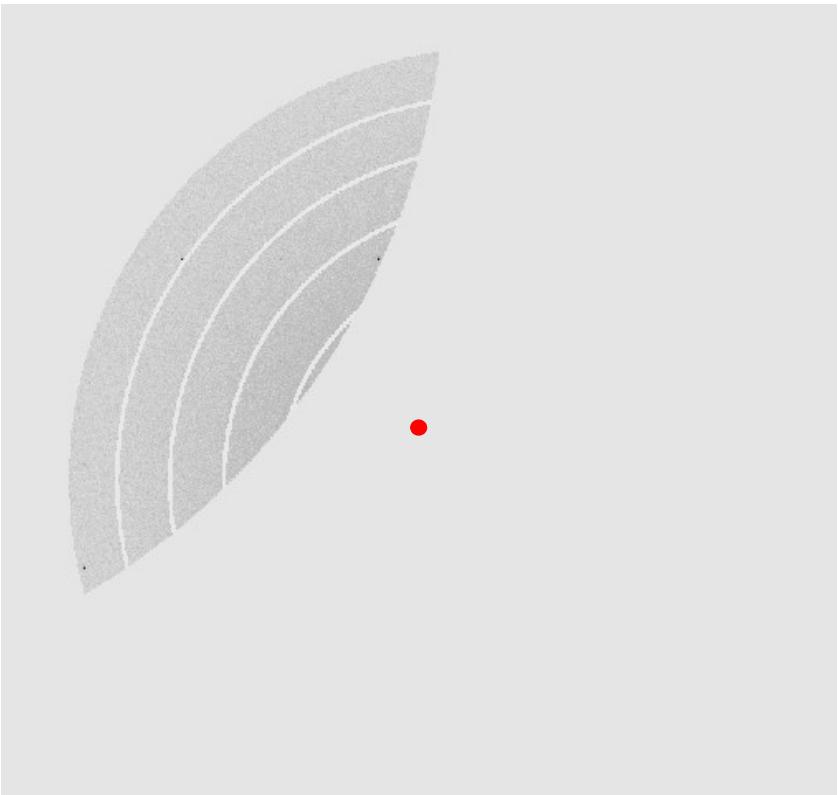


ID28

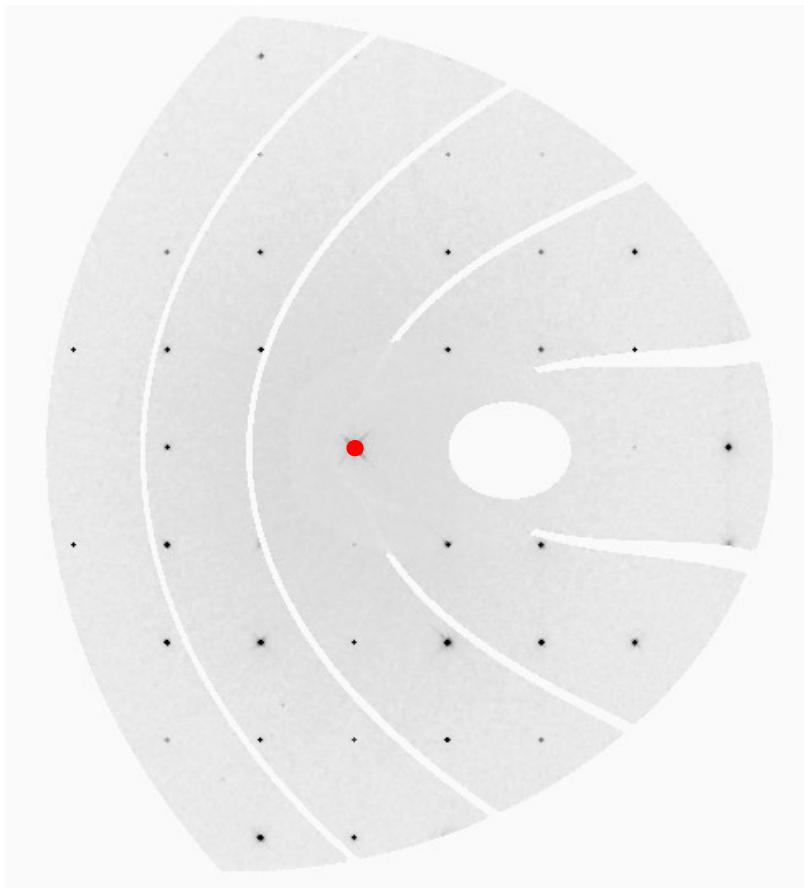


h2|

BM01



ID28



h3|

BM01

ID28

