

SUBJECT

BID Alignment

NAME  
S. Dubresne

DATE  
12/8/20

REV DATE

US Gap = 23.69 ✓ | 8h57  
DS Gap 23.70 ✓ | done

File yuyin 2020 1208

#1 ascan piezo 0 15 60 1 Peak  
umvr diam x -1 7.2 @

#2 lyp ta2 fine -30 30 30 1 peak 239855  
Could not tweak to peak? 2

MAX 223914

dark pind 1 1019  
pind 2 179  
pind 4 19411  
pind 3 140 (1C)

flux pind 1 225197-1019

$1.04 \times 10^{12}$  ph/s

umvr diam x 1 / umv sil x 0.2

#3 lyp diam x -0.5 0.5 40 1

would go to -3.275

go to -3.275

umv sil cen 50

flux pind 1 194540-1019  $\Rightarrow 8.94 \times 10^{11}$  ph/s

#4 ascan sil vgap -10 20 30 1 zero close  
enough

#5 lyp sil cen -400 400 80 1  
FWHM is 613 μm was @ -25  
@ -50.5 / leave as is

#6 ascan sil hgap -10 20 30 1 zero appears @  
set sil hgap 22 @ original 20 μm opening

#7 ascan sil hgap -10 20 30 1 (zero looks good)

SUBJECT

81D Alignment

NAME

E. Dubresne

DATE

12/8/20

REV. DATE

9n32 flux pind 1 193 075 -1019  $\Rightarrow 8.87 \times 10^{11}$  ph/s

win v crlx 3.8 / 9.515

lens x @ -0.2

si2 vgap = si2 hgap = 1000  $\mu$ m

w/ lens IN

# Fixed crl positions - moved since I  
Set them

# 8 lup crlz -0.3 0.3 50 1

peak @ 9.31 - went there.

# 9 redo

# 10 lup crlx -2 2 40 1 go to 3.8  
 through hole

# 11 lup crlx -0.75 0.75 50 1

go to 3.675 FWHM 1.0093 mm

# 12 lup si2 hcen -200 200 50 1 w/ (50  $\mu$ m)  
 aperture.

FWHM go to 200  $\mu$ m

from 115  $\mu$ m

Redo # 13 lup si2 hcen  $\pm 200$  50 1

FWHM 305.8  $\mu$ m leave @ 200  $\mu$ m.

CEN @ 222.1

# 14 lup si2 vcen  $\pm 200$  50 1

FWHM 248  $\mu$ m go to CEN

# 15 lup si2 vgap -15 15 30 1

PERFECT

# 16

ascam  
 ascam si2 hgap -15 15 30 1

PERFECT

## ENGINEERING NOTE

DIVISION

XSD

PROJECT

81D

FILE NO

PAGE

3

SUBJECT

81D Alignment

NAME

E. Dufresne

DATE

12/8/20

REV. DATE

flux pind Z 14467-179  
 $3.3 \times 10^9$  ph/s w/  
 $(15 \mu\text{m})^2$  w/ SiZ