

Undulator 13  
Date 7-10-08  
Crew BR LG MR

MMF

PM Checks

"X"

30.023 LOS

~~PM1~~ 1

X1)  
BUCK IN

Y1) 32.617

Y2) 32.629

\_\_\_\_\_

1. \_\_\_\_\_

1. \_\_\_\_\_

\_\_\_\_\_

33.617

33.629

30.023

30.023

30.023

0

-3.694

-3.606

~~PM2~~ 2

X1) 30.902

Y1) 34.498

Y2) 34.498

1. \_\_\_\_\_

1. \_\_\_\_\_

1. \_\_\_\_\_

31.902

35.498

35.498

30.023

30.023

30.023

-1.879

-5.475

-5.475

~~PM2~~ 3

X1) 30.901

Y1) 34.499

Y2) 34.502

1. \_\_\_\_\_

1. \_\_\_\_\_

1. \_\_\_\_\_

31.901

35.499

35.502

30.023

30.023

30.023

-1.878

-5.476

-5.479

~~PM1~~ 4

X1)  
BUCK IN

Y1) 32.622

Y2) 32.626

\_\_\_\_\_

1. \_\_\_\_\_

1. \_\_\_\_\_

\_\_\_\_\_

33.622

33.626

\_\_\_\_\_

30.023

30.023

0

-3.599

-3.603

✓ BR

MMF

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PM Checks

"Y"

Avg. PM4Y1 & PM1Y1 = HI

PM4Y1) 7.202  
      1. —  
      8.202

PM1Y1) 7.202  
      1. —  
      8.202

8.202 HI

PM4

Y1) 7.202  
      1. —  
      8.202  
      8.202  
      8.202  
      ∅

X1) 10.809  
      1. —  
      11.809  
      8.202  
      -3.607

PM3

Y2) 7.207  
      1. —  
      8.207  
      8.202  
      -0.005

X1) 10.807  
      1. —  
      11.807  
      8.202  
      -3.605

PM2

Y1) 7.208  
      1. —  
      8.208  
      8.202  
      -0.006

X1) 10.810  
      1. —  
      11.810  
      8.202  
      -3.608

PM1

Y1) 7.202  
      1. —  
      8.202  
      8.202  
      ∅

X1) 10.811  
      1. —  
      11.811  
      8.202  
      -3.609

TOP OF GAGE BLOCK

12.605  
8.202  
-4.403

✓ BK

MMF

Undulator SN13  
Date 7-10-08  
Crew BRLGMR  
"X"

PM Checks

BUCKIN

F Value PM1X1) 0

N Value PM4X1) 0

F 29.039+1=30.039

N 29.027+1=30.027

F 29.023+1=30.023

N 29.023+1=30.023

✓ 130

F S/R \_\_\_\_\_

N S/R \_\_\_\_\_

**LOS** 30.023

Undulator

1) 34.503  
1. —  
35.503  
30.023  
**-5.480**

2) 34.500  
1. —  
35.500  
30.023  
**-5.477**

3) 34.504  
1. —  
35.504  
30.023  
**-5.481**

4) 34.505  
1. —  
35.505  
30.023  
**-5.482**

5) 24.721  
1. —  
25.721  
30.023  
**4.302**

6) 24.726  
1. —  
25.726  
30.023  
**4.297**

7) 24.724  
1. —  
25.724  
30.023  
**4.299**

8) 24.724  
1. —  
25.724  
30.023  
**4.299**

Ref. Block

A) 36.055  
1. —  
37.055  
30.023  
**-7.032**

B) 31.522  
1. —  
32.522  
30.023  
**-2.499**

C) 29.763  
1. —  
30.763  
30.023  
**-0.740**

D) 29.763  
1. —  
30.763  
30.023  
**-0.740**

MMF

Undulator 13  
Date 7-10-08  
Crew BRLG MR

PM Checks

✓  
BRL

"Y" 8.202 HI

Undulator

$$\begin{array}{r} 1) \quad 3.715 \\ \quad \underline{1.} \\ \hline 4.715 \\ 8.202 \\ \hline \boxed{3.487} \end{array}$$

$$\begin{array}{r} 2) \quad 3.717 \\ \quad \underline{1.} \\ \hline 4.717 \\ 8.202 \\ \hline \boxed{3.485} \end{array}$$

$$\begin{array}{r} 3) \quad 3.722 \\ \quad \underline{1.} \\ \hline 4.722 \\ 8.202 \\ \hline \boxed{3.480} \end{array}$$

$$\begin{array}{r} 4) \quad 3.720 \\ \quad \underline{1.} \\ \hline 4.720 \\ 8.202 \\ \hline \boxed{3.482} \end{array}$$

$$\begin{array}{r} 5) \quad 10.801 \\ \quad \underline{1.} \\ \hline 11.801 \\ 8.202 \\ \hline \boxed{-3.599} \end{array}$$

$$\begin{array}{r} 6) \quad 10.807 \\ \quad \underline{1.} \\ \hline 11.807 \\ 8.202 \\ \hline \boxed{-3.605} \end{array}$$

$$\begin{array}{r} 7) \quad 10.807 \\ \quad \underline{1.} \\ \hline 11.807 \\ 8.202 \\ \hline \boxed{-3.605} \end{array}$$

$$\begin{array}{r} 8) \quad 10.812 \\ \quad \underline{1.} \\ \hline 11.812 \\ 8.202 \\ \hline \boxed{-3.610} \end{array}$$

Ref. Block

$$\begin{array}{r} A) \quad 7.439 \\ \quad \underline{1.} \\ \hline 8.439 \\ 8.202 \\ \hline \boxed{-0.237} \end{array}$$

~~$$\begin{array}{r} B) \\ \hline 8.202 \\ \hline \end{array}$$~~

$$\begin{array}{r} C) \quad 9.585 \\ \quad \underline{1.} \\ \hline 10.585 \\ 8.202 \\ \hline \boxed{-2.383} \end{array}$$

$$\begin{array}{r} D) \quad 12.664 \\ \quad \underline{1.} \\ \hline 13.664 \\ 8.202 \\ \hline \boxed{-5.662} \end{array}$$

Flats

U/S

D/S

$$\begin{array}{r} (+) \quad 6.487 \\ 8.202 \\ \hline \boxed{1.715} \end{array}$$

$$\begin{array}{r} (-) \quad 6.487 \\ 8.202 \\ \hline \boxed{1.715} \end{array}$$

$$\begin{array}{r} (+) \quad 6.491 \\ 8.202 \\ \hline \boxed{1.711} \end{array}$$

$$\begin{array}{r} (-) \quad 6.492 \\ 8.202 \\ \hline \boxed{1.710} \end{array}$$

MMF

Undulator 13  
Date 7-10-08  
Crew BR LGMIR

PM Checks

"X"

PROBE

BUCKIN

Tagets on stand and far wall = - 5.470"

-5.470<sup>6'</sup> LOS  
+0.029 MIC TO + EDGE  
5.441 ✓  
-0.039 TO SENSOR  
5.480 PROBE LOC. ✓