

MMF

Undulator 13
Date 3/19/09
Crew JM, FG
"X"

PM Checks

BUCKIN

F Value PM1X1) 0

N Value PM4X1) 0

F _____

N _____

F _____

N _____

F S/R 26.936

N S/R 26.936

LOS 27.936

Undulator

1) 32.419
|
✓ 33.419
27.936
✓ **-5.483**

2) 32.414
|
✓ 33.414
27.936
✓ **-5.478**

3) 32.417
|
✓ 33.417
27.936
✓ **-5.481**

4) 32.418
|
✓ 33.418
27.936
✓ **-5.482**

5) 22.637
|
✓ 23.637
27.936
✓ **4.299**

6) 22.638
|
✓ 23.638
27.936
✓ **4.298**

7) 22.636
|
✓ 23.636
27.936
✓ **4.300**

8) 22.635
|
✓ 23.635
27.936
✓ **4.301**

Ref. Block

A) 33.970
|
✓ 34.970
27.936
✓ **-7.034**

B) 29.437
|
✓ 30.437
27.936
✓ **-2.501**

C) 27.679
|
✓ 28.679
27.936
✓ **-0.743**

D) 27.678
|
✓ 28.678
27.936
✓ **-0.742**

MMF

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PM Checks

"Y" 7.008 HI

Undulator

$$\begin{array}{r}
 1) \ 2,517 \\
 \quad 1 \\
 \hline
 \swarrow 3,517 \\
 \quad 7,008 \\
 \hline
 \swarrow \boxed{3,491}
 \end{array}$$

$$\begin{array}{r}
 2) \ 2,516 \\
 \quad 1 \\
 \hline
 \swarrow 3,516 \\
 \quad 7,008 \\
 \hline
 \swarrow \boxed{3,492}
 \end{array}$$

$$\begin{array}{r}
 3) \ 2,522 \\
 \quad 1 \\
 \hline
 \swarrow 3,522 \\
 \quad 7,008 \\
 \hline
 \swarrow \boxed{3,486}
 \end{array}$$

$$\begin{array}{r}
 4) \ 2,518 \\
 \quad 1 \\
 \hline
 \swarrow 3,518 \\
 \quad 7,008 \\
 \hline
 \swarrow \boxed{3,490}
 \end{array}$$

$$\begin{array}{r}
 5) \ 9,603 \\
 \quad 1 \\
 \hline
 \swarrow 10,603 \\
 \quad 7,008 \\
 \hline
 \swarrow \boxed{-3,595}
 \end{array}$$

$$\begin{array}{r}
 6) \ 9,607 \\
 \quad 1 \\
 \hline
 \swarrow 10,607 \\
 \quad 7,008 \\
 \hline
 \swarrow \boxed{-3,599}
 \end{array}$$

$$\begin{array}{r}
 7) \ 9,606 \\
 \quad 1 \\
 \hline
 \swarrow 10,606 \\
 \quad 7,008 \\
 \hline
 \swarrow \boxed{-3,598}
 \end{array}$$

$$\begin{array}{r}
 8) \ 9,610 \\
 \quad 1 \\
 \hline
 \swarrow 10,610 \\
 \quad 7,008 \\
 \hline
 \swarrow \boxed{-3,602}
 \end{array}$$

Ref. Block

$$\begin{array}{r}
 A) \ 6,244 \\
 \quad 1 \\
 \hline
 \swarrow 7,244 \\
 \quad 7,008 \\
 \hline
 \swarrow \boxed{-,236}
 \end{array}$$

$$\begin{array}{r}
 B) \ / \\
 \hline
 \swarrow / \\
 \hline
 \swarrow \boxed{/}
 \end{array}$$

$$\begin{array}{r}
 C) \ 8,388 \\
 \quad 1 \\
 \hline
 \swarrow 9,388 \\
 \quad 7,008 \\
 \hline
 \swarrow \boxed{-2,380}
 \end{array}$$

$$\begin{array}{r}
 D) \ 11,469 \\
 \quad 1 \\
 \hline
 \swarrow 12,469 \\
 \quad 7,008 \\
 \hline
 \swarrow \boxed{-5,461}
 \end{array}$$

Flats

U/S

D/S

$$\begin{array}{r}
 (+) \ 5,289 \\
 \quad 7,008 \\
 \hline
 \swarrow \boxed{1,719}
 \end{array}$$

$$\begin{array}{r}
 (-) \ 5,290 \\
 \quad 7,008 \\
 \hline
 \swarrow \boxed{1,718}
 \end{array}$$

$$\begin{array}{r}
 (+) \ 5,289 \\
 \quad 7,008 \\
 \hline
 \swarrow \boxed{1,719}
 \end{array}$$

$$\begin{array}{r}
 (-) \ 5,290 \\
 \quad 7,008 \\
 \hline
 \swarrow \boxed{1,718}
 \end{array}$$

Undulator 13
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MMF

PM Checks

"X"

27.936 LOS

PM4

X1) BUCK IN

 0

Y1) 30.536
 1
 31.536
 27.936
 -3.600

Y2) 30.539
 1
 31.539
 27.936
 -3.603

PM3

X1) 28.820
 1
 29.820
 27.936
 -1.884

Y1) 32.418
 1
 33.418
 27.936
 -5.482

Y2) 32.416
 1
 33.416
 27.936
 -5.480

PM2

X1) 28.813
 1
 29.813
 27.936
 -1.877

Y1) 32.405
 1
 33.405
 27.936
 -5.469

Y2) 32.411
 1
 33.411
 27.936
 -5.475

PM1

X1) BUCK IN

 0

Y1) 30.540
 1
 31.540
 27.936
 -3.604

Y2) 30.536
 1
 31.536
 27.936
 -3.600

MMF

Undulator 13
Date 3/19/09
Crew JM, FG

PM Checks

"Y"

Avg. PM4Y1 & PM1Y1 = HI

PM4Y1) 6.005
1

7.005

PM1Y1) 6.011
1

7.011

7.008 HI

PM4

Y1) 6.005
1

7.005
7.008

+0.03

X1) 9.614
1

10.614
7.008

-3.606

PM3

Y2) 6.010
1

7.010
7.008

-0.002

X1) 9.612
1

10.612
7.008

-3.604

PM2

Y1) 6.005
1

7.005
7.008

+0.003

X1) 9.607
1

10.607
7.008

-3.599

PM1

Y1) 6.011
1

7.011
7.008

-0.003

X1) 9.613
1

10.613
7.008

-3.605

TOP OF GAGE BLOCK

11.407
7.008

-4.399

MMF

Undulator 13
Date 3/19/09
Crew JM, FG

PM Checks

"X"

PROBE

BUCKIN

Tagets on stand and far wall = - 5.470"

-5.470 LOS
+ .027 MIC TO + EDGE
5.443

-0.039 TO SENSOR
-5.482 PROBE LOC.

MMF

Undulator 5N13
Date 3-19-09
Crew J.M., L.G.

LONG COIL CHECK

"X"

BUCKIN

F Value PM1X1) 0
N Value PM4X1) 0

F 26.000+1
N 26.683+1
F 27.000+1
N 26.952+1

F S/R 27.934-1
N S/R 27.934-1

COIL

U/S) 36.656 D/S) 36.660
27.934 27.934
-8.722 -8.726

Avg. = -8.724

LOS +27.934

"Y"

PM4Y1

3.996
1
4.996
3.601" Val.
8.597

PM1Y1

3.997
1
4.997
3.599" Val.
8.596

Avg. HI= 8.597

19.925 REF.
8.597 HI
11.328 C/L

U/S) 0 Read
12.560 Ref.
12.560 Wire C/L
11.328 Ref. C/L
1.232

D/S) -1.002 Read
12.563 Ref.
12.565 Wire C/L
11.328 Ref C/L
1.237

Avg. = 1.235