

MMF

Undulator SH33
Date 4-29-09
Crew JM, LG
"X"

PM Checks

BUCKIN

F Value PM1X1) 0

N Value PM4X1) 0

F 26.237+1

N 26.237+1

F _____

N _____

F S/R _____

N S/R _____

LOS +27.237

Undulator

1) 31.721 32.721 27.237 -5.484	2) 31.718 32.718 27.237 -5.481	3) 31.715 32.715 27.237 -5.478	4) 31.715 32.715 27.237 -5.478
5) 21.940 22.940 27.237 4.297	6) 21.939 22.939 27.237 4.298	7) 21.938 22.938 27.237 4.299	8) 21.939 22.939 27.237 4.298

Ref. Block

A) 33.270 34.270 27.237 -7.033	B) 28.737 29.737 27.237 -2.500	C) 26.977 27.977 27.237 -.740	D) 26.978 27.978 27.237 -.741
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MMF

Undulator SN133
Date 4-29-09
Crew JM, LG

PM Checks

"Y" 10.753 HI

Undulator

$$\begin{array}{r}
 1) \ 6.270 \\
 \underline{1 \text{ ---}} \\
 7.270 \\
 10.753 \\
 \hline
 \boxed{3.483}
 \end{array}$$

$$\begin{array}{r}
 2) \ 6.272 \\
 \underline{1 \text{ ---}} \\
 7.272 \\
 10.753 \\
 \hline
 \boxed{3.481}
 \end{array}$$

$$\begin{array}{r}
 3) \ 6.277 \\
 \underline{1 \text{ ---}} \\
 7.277 \\
 10.753 \\
 \hline
 \boxed{3.476}
 \end{array}$$

$$\begin{array}{r}
 4) \ 6.274 \\
 \underline{1 \text{ ---}} \\
 7.274 \\
 10.753 \\
 \hline
 \boxed{3.479}
 \end{array}$$

$$\begin{array}{r}
 5) \ 13.351 \\
 \underline{1 \text{ ---}} \\
 14.351 \\
 10.753 \\
 \hline
 \boxed{-3.598}
 \end{array}$$

$$\begin{array}{r}
 6) \ 13.351 \\
 \underline{1 \text{ ---}} \\
 14.351 \\
 10.753 \\
 \hline
 \boxed{-3.598}
 \end{array}$$

$$\begin{array}{r}
 7) \ 13.354 \\
 \underline{1 \text{ ---}} \\
 14.354 \\
 10.753 \\
 \hline
 \boxed{-3.601}
 \end{array}$$

$$\begin{array}{r}
 8) \ 13.354 \\
 \underline{1 \text{ ---}} \\
 14.354 \\
 10.753 \\
 \hline
 \boxed{-3.601}
 \end{array}$$

Ref. Block

$$\begin{array}{r}
 A) \ 9.987 \\
 \underline{1 \text{ ---}} \\
 10.987 \\
 10.753 \\
 \hline
 \boxed{-.234}
 \end{array}$$

$$\begin{array}{r}
 B) \\
 \underline{\hspace{1cm}} \\
 \hline
 \boxed{\hspace{1cm}}
 \end{array}$$

$$\begin{array}{r}
 C) \ 12.133 \\
 \underline{1 \text{ ---}} \\
 13.133 \\
 10.753 \\
 \hline
 \boxed{-2.380}
 \end{array}$$

$$\begin{array}{r}
 D) \ 15.215 \\
 \underline{1 \text{ ---}} \\
 16.215 \\
 10.753 \\
 \hline
 \boxed{-5.462}
 \end{array}$$

Flats

U/S

D/S

$$\begin{array}{r}
 (+) \ 9.034 \\
 10.753 \\
 \hline
 \boxed{1.719}
 \end{array}$$

$$\begin{array}{r}
 (-) \ 9.035 \\
 10.753 \\
 \hline
 \boxed{1.718}
 \end{array}$$

$$\begin{array}{r}
 (+) \ 9.035 \\
 10.753 \\
 \hline
 \boxed{1.718}
 \end{array}$$

$$\begin{array}{r}
 (-) \ 9.036 \\
 10.753 \\
 \hline
 \boxed{1.717}
 \end{array}$$

Undulator 5N33
Date 4-29-09
Crew JM, LG

MMF

PM Checks

"X"

27.237 LOS

PM4

X1) BUCK IN

Y1) 29.835 Y2) 29.841

1 —————

0

30.835
27.237

30.841
27.237

-3.598 3.604

PM3

X1) 28.119

Y1) 31.714 Y2) 31.715

1 —————
29.119
27.237

1 —————
32.714
27.237

1 —————
32.715
27.237

-1.882

-5.477 -5.478

PM2

X1) 28.119

Y1) 31.712 Y2) 31.716

1 —————
29.119
27.237

1 —————
32.712
27.237

1 —————
32.716
27.237

-1.882

-5.475 -5.479

PM1

X1) BUCK IN

Y1) 29.834 Y2) 29.833

1 —————

0

30.836
27.237

30.833
27.237

-3.599 -3.596

MMF

Undulator SN33
Date 4-29-09
Crew JM, LG

PM Checks

"Y"
Avg. PM4Y1 & PM1Y1 = HI

PM4Y1) 9.749
1 —

10.749

PM1Y1) 9.757
1 —

10.757

10.753 HI

PM4

Y1) 9.749
1 —

10.749
10.753

4.004

PM3

X1) 13.356
1 —

14.356
10.753

-3.603

Y2) 9.754
1 —

10.754
10.753

-.001

X1) 13.354
1 —

14.354
10.753

-3.601

PM2

Y1) 9.755
1 —

10.755
10.753

-.002

PM1

X1) 13.356
1 —

14.356
10.753

-3.603

Y1) 9.757
1 —

10.757
10.753

-.004

X1) 13.358
1 —

14.358
10.753

-3.605

TOP OF GAGE BLOCK

15.149
10.753

4.396

MMF

Undulator SH33
Date 4-29-09
Crew JM, LG

PM Checks

"X"

PROBE

BUCKIN

Tagets on stand and far wall = - 5.470"

-5.470 LOS
+1.020 MIC TO + EDGE
-5.450
-0.039 TO SENSOR
-5.489 PROBE LOC.

MMF

Undulator SN 33
Date 4-28-09
Crew JM, LG

LONG COIL CHECK

"X"

BUCKIN

COIL

F Value PM1X1) 0
N Value PM4X1) 0
F 27.000 + 1
N 26.440 + 1
F 26.000 + 1
N 26.174 + 1
F S/R 27.237 - 1
N S/R 27.237 - 1

U/S) 35.964

D/S) 35.964

27.237

27.237

-8.727

-8.727

Avg. = -8.727

LOS +27.237

"Y"

PM4Y1

PM1Y1

1.957
1
2.957
3.601" Val.
6.558

1.964
1
2.964
3.599" Val.
6.563

Avg. HI = 6.561

17.890 REF.
6.561 HI
11.329 C/L

U/S) 12.576 Read
12.576 Ref.
11.329 Wire C/L
11.329 Ref. C/L

D/S) 12.569 Read
12.569 Ref.
11.329 Wire C/L
11.329 Ref C/L

1.247

1.240

Avg. = 1.244