

MMF

Undulator SN 13  
Date 11-17-08  
Crew M.R., L.G.  
"X"

PM Checks

BUCKIN

F Value PM1X1) 0  
N Value PM4X1) 0  
F 30.000+1  
N 26.338+1  
F 24.000+1  
N 24.607+1  
F S/R 25.853-1  
N S/R 25.853-1  
**LOS +25.853**

Undulator

1) 30.333 1 — 31.333 ✓ 25.853 <b>-5.480</b> ✓	2) 30.328 1 — 31.328 ✓ 25.853 <b>-5.475</b> ✓	3) 30.332 1 — 31.332 ✓ 25.853 <b>-5.479</b> ✓	4) 30.334 1 — 31.334 ✓ 25.853 <b>-5.481</b> ✓
5) 20.550 1 — 21.550 ✓ 25.853 <b>4.303</b> ✓	6) 20.550 1 — 21.550 ✓ 25.853 <b>4.303</b> ✓	7) 20.552 1 — 21.552 ✓ 25.853 <b>4.301</b> ✓	8) 20.548 1 — 21.548 ✓ 25.853 <b>4.305</b> ✓

Ref. Block

A) 31.887 1 — 32.887 ✓ 25.853 <b>-7.034</b> ✓	B) 27.355 1 — 28.355 ✓ 25.853 <b>-2.502</b> ✓	C) 25.594 1 — 26.594 ✓ 25.853 <b>-.741</b> ✓	D) 25.594 1 — 26.594 ✓ 25.853 <b>.741</b> ✓
---	---	--	---

Undulator SN13  
Date 11-17-08  
Crew M.R., L.G.

MMF

PM Checks

"X"

25.853 LOS

X1) BUCK IN

0

PM4

Y1) 28.452      Y2) 28.456

1                      1

29.452 ✓      29.456 ✓  
25.853              25.853

-3.599 ✓      -3.603 ✓

PM3

X1) 26.733      Y1) 30.328      Y2) 30.330

1                      1                      1

27.733 ✓      31.328 ✓      31.330 ✓  
25.853              25.853              25.853

-1.886 ✓      -5.475 ✓      -5.477 ✓

PM2

X1) 26.726      Y1) 30.320      Y2) 30.322

1                      1                      1

27.726 ✓      31.320 ✓      31.322 ✓  
25.853              25.853              25.853

-1.873 ✓      -5.467 ✓      -5.469 ✓

PM1

X1) BUCK IN      Y1) 28.442      Y2) 28.454

1                      1

29.442 ✓      29.454 ✓  
25.853              25.853

-3.589 ✓      -3.601 ✓

MMF

Undulator SN 13  
Date 11-17-08  
Crew M.R., L.G.

PM Checks

"Y"

Avg. PM4Y1 & PM1Y1 = HI

PM4Y1) 7.872  
1. —  
————  
8.872

PM1Y1) 7.872  
1. —  
————  
8.872

8.872 HI

PM4

Y1) 7.872  
1. —  
————  
8.872 ✓  
8.872

φ

X1) 11.479  
1. —  
————  
12.479  
8.872

-3.607

PM3

Y2) 7.877  
1. —  
————  
8.877 ✓  
8.872

-0.005

X1) 11.479  
1. —  
————  
12.479 ✓  
8.872

-3.607

PM2

Y1) 7.873  
1. —  
————  
8.873 ✓  
8.872

-0.001

X1) 11.473  
1. —  
————  
12.473 ✓  
8.872

-3.601

PM1

Y1) 7.872  
1. —  
————  
8.872 ✓  
8.872

φ

X1) 11.483  
1. —  
————  
12.483 ✓  
8.872

-3.611

TOP OF GAGE BLOCK

13.274  
8.872 ✓  
————  
-4.402

MMF

Undulator 5N13  
Date 11-07-08  
Crew M.R., L.G.

PM Checks

"Y" 8.872 HI

Undulator

$$\begin{array}{r} 1) 4.387 \\ \hline 1 \end{array}$$

$$\begin{array}{r} 5.387 \\ 8.872 \end{array}$$

$$\boxed{3.485}$$

$$\begin{array}{r} 2) 4.387 \\ \hline 1 \end{array}$$

$$\begin{array}{r} 5.387 \\ 8.872 \end{array}$$

$$\boxed{3.485}$$

$$\begin{array}{r} 3) 4.390 \\ \hline 1 \end{array}$$

$$\begin{array}{r} 5.390 \\ 8.872 \end{array}$$

$$\boxed{3.482}$$

$$\begin{array}{r} 4) 4.386 \\ \hline 1 \end{array}$$

$$\begin{array}{r} 5.386 \\ 8.872 \end{array}$$

$$\boxed{3.486}$$

$$\begin{array}{r} 5) 11.475 \\ \hline 1 \end{array}$$

$$\begin{array}{r} 12.475 \\ 8.872 \end{array}$$

$$\boxed{-3.603}$$

$$\begin{array}{r} 6) 11.478 \\ \hline 1 \end{array}$$

$$\begin{array}{r} 12.478 \\ 8.872 \end{array}$$

$$\boxed{-3.606}$$

$$\begin{array}{r} 7) 11.475 \\ \hline 1 \end{array}$$

$$\begin{array}{r} 12.475 \\ 8.872 \end{array}$$

$$\boxed{-3.603}$$

$$\begin{array}{r} 8) 11.478 \\ \hline 1 \end{array}$$

$$\begin{array}{r} 12.478 \\ 8.872 \end{array}$$

$$\boxed{-3.606}$$

Ref. Block

$$\begin{array}{r} A) 8.110 \\ \hline 1 \end{array}$$

$$\begin{array}{r} 9.110 \\ 8.872 \end{array}$$

$$\boxed{-0.238}$$

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

$$\boxed{\phantom{0.000}}$$

$$\begin{array}{r} C) 10.257 \\ \hline 1 \end{array}$$

$$\begin{array}{r} 11.257 \\ 8.872 \end{array}$$

$$\boxed{-2.385}$$

$$\begin{array}{r} D) 13.338 \\ \hline 1 \end{array}$$

$$\begin{array}{r} 14.338 \\ 8.872 \end{array}$$

$$\boxed{-5.466}$$

Flats

U/S

D/S

$$\begin{array}{r} (+) 7.156 \\ 8.872 \end{array}$$

$$\boxed{1.716}$$

$$\begin{array}{r} (-) 7.156 \\ 8.872 \end{array}$$

$$\boxed{1.716}$$

$$\begin{array}{r} (+) 7.159 \\ 8.872 \end{array}$$

$$\boxed{1.713}$$

$$\begin{array}{r} (-) 7.159 \\ 8.872 \end{array}$$

$$\boxed{1.713}$$

MMF

Undulator SN13  
Date 11-17-08  
Crew MIR, L.S.

PM Checks

"X"

PROBE

BUCKIN

Tagets on stand and far wall = - 5.470"

-5.470 LOS  
+0.025 MIC TO + EDGE  
-5.445  
-0.039 TO SENSOR  
**-5.484** PROBE LOC.