

Undulator 5X138  
Date 9-5-08  
Crew M.R., L.G.

MMF

PM Checks

"X"

28.437 LOS

X1) BUCK IN

0

PM4

Y1) 31.038

1  
32.038 ✓  
28.437

-3.601 ✓

Y2) 31.042

1  
32.042 ✓  
28.437

-3.605 ✓

PM3

X1) 29.320

1  
30.320 ✓  
28.437

-1.883 ✓

Y1) 32.914

1  
33.914 ✓  
28.437

-5.477 ✓

Y2) 32.914

1  
33.914 ✓  
28.437

-5.477 ✓

PM2

X1) 29.320

1  
30.320 ✓  
28.437

-1.883 ✓

Y1) 32.912

1  
33.912 ✓  
28.437

-5.475 ✓

Y2) 32.915

1  
33.915 ✓  
28.437

-5.478 ✓

PM1

X1) BUCK IN

0

Y1) 31.023

1  
32.023 ✓  
28.437

-3.586 ✓

Y2) 31.040

1  
32.040 ✓  
28.437

-3.603 ✓

MMF

Undulator SN 38  
Date 9-5-08  
Crew M.R., L.G.

PM Checks

"Y"

Avg. PM4Y1 & PM1Y1 = HI

$$\begin{array}{r} \text{PM4Y1) } 7.319 \\ \quad \quad \quad 1. \text{---} \\ \hline 8.319 \end{array}$$

$$\begin{array}{r} \text{PM1Y1) } 7.319 \\ \quad \quad \quad 1. \text{---} \\ \hline 8.319 \end{array}$$

$$\underline{8.319 \quad \text{HI}}$$

PM4

$$\begin{array}{r} \text{Y1) } 7.319 \\ \quad \quad \quad 1. \text{---} \\ \hline 8.319 \checkmark \\ 8.319 \end{array}$$

~~0~~

$$\begin{array}{r} \text{X1) } 10.926 \\ \quad \quad \quad 1. \text{---} \\ \hline 11.926 \checkmark \\ 8.319 \end{array}$$

-3.607

PM3

$$\begin{array}{r} \text{Y2) } 7.320 \\ \quad \quad \quad 1. \text{---} \\ \hline 8.320 \checkmark \\ 8.319 \end{array}$$

-1.001

$$\begin{array}{r} \text{X1) } 10.921 \\ \quad \quad \quad 1. \text{---} \\ \hline 11.921 \checkmark \\ 8.319 \end{array}$$

-3.602

PM2

$$\begin{array}{r} \text{Y1) } 7.323 \\ \quad \quad \quad 1. \text{---} \\ \hline 8.323 \checkmark \\ 8.319 \end{array}$$

-.004

$$\begin{array}{r} \text{X1) } 10.923 \\ \quad \quad \quad 1. \text{---} \\ \hline 11.923 \checkmark \\ 8.319 \end{array}$$

-3.604

PM1

$$\begin{array}{r} \text{Y1) } 7.319 \\ \quad \quad \quad 1. \text{---} \\ \hline 8.319 \checkmark \\ 8.319 \end{array}$$

~~0~~

$$\begin{array}{r} \text{X1) } 10.931 \\ \quad \quad \quad 1. \text{---} \\ \hline 11.931 \checkmark \\ 8.319 \end{array}$$

-3.612

TOP OF GAGE BLOCK

$$\begin{array}{r} 12.721 \\ 8.319 \end{array}$$

-4.401

MMF

Undulator SN38  
Date 9-5-08  
Crew M.R., L.G.  
"X"

PM Checks

BUCKIN

F Value PM1X1) 0

N Value PM4X1) 0

F 27.437+1

N 27.437+1

F \_\_\_\_\_

N \_\_\_\_\_

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

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

LOS 28.437

Undulator

1) <u>32.924</u> 1. — <u>33.924</u> ✓ 28.437 <u>-5.487</u> ✓	2) <u>32.922</u> 1. — <u>33.922</u> ✓ 28.437 <u>-5.485</u> ✓	3) <u>32.920</u> 1. — <u>33.920</u> ✓ 28.437 <u>-5.483</u> ✓	4) <u>32.918</u> 1. — <u>33.918</u> ✓ 28.437 <u>-5.481</u> ✓
5) <u>23.146</u> 1. — <u>24.146</u> ✓ 28.437 <u>4.291</u> ✓	6) <u>23.144</u> 1. — <u>24.144</u> ✓ 28.437 <u>4.293</u> ✓	7) <u>23.144</u> 1. — <u>24.144</u> ✓ 28.437 <u>4.293</u> ✓	8) <u>23.148</u> 1. — <u>24.148</u> ✓ 28.437 <u>4.289</u> ✓

Ref. Block

A) <u>34.468</u> 1. — <u>35.468</u> ✓ 28.437 <u>-7.031</u> ✓	B) <u>29.835</u> 1. — <u>30.835</u> ✓ 28.437 <u>-2.398</u> ✓	C) <u>28.180</u> 1. — <u>29.180</u> ✓ 28.437 <u>-.743</u> ✓	D) <u>28.180</u> 1. — <u>29.180</u> ✓ 28.437 <u>-.743</u> ✓
--	--	---	---

MMF

Undulator 5N38  
Date 9-5-08  
Crew M.R., L.G.

PM Checks

"Y" 8.319 HI

Undulator

1) 3.840  
1. —  
4.840 ✓  
8.319  
3.479 ✓

2) 3.845  
1. —  
4.845 ✓  
8.319  
3.474 ✓

3) 3.847  
1. —  
4.847 ✓  
8.319  
3.472 ✓

4) 3.841  
1. —  
4.841 ✓  
8.319  
3.478 ✓

5) 10.917  
1. —  
11.917 ✓  
8.319  
-3.598 ✓

6) 10.919  
1. —  
11.919 ✓  
8.319 ✓  
-3.600 ✓

7) 10.919  
1. —  
11.919 ✓  
8.319  
-3.600 ✓

8) 10.917  
1. —  
11.917 ✓  
8.319  
-3.598 ✓

Ref. Block

A) 7.561  
1. —  
8.561 ✓  
8.319  
-0.242 ✓

B) \_\_\_\_\_  
                    

C) 9.704  
1. —  
10.704 ✓  
8.319  
-2.385 ✓

D) 12.764  
1. —  
13.764 ✓  
8.319  
-5.445 ✓

Flats

U/S

D/S

(+) 6.602  
8.319  
1.717 ✓

(-) 6.603  
8.319  
1.716 ✓

(+) 6.605  
8.319  
1.714 ✓

(-) 6.605  
8.319  
1.714 ✓

MMF

Undulator 5K38  
Date 9-5-08  
Crew M.R., L.G.

PM Checks

"X"

PROBE

BUCKIN

Tagets on stand and far wall = - 5.470"

-5.470 LOS  
+ .040 MIC TO + EDGE  
-5.430 ✓

-0.039 TO SENSOR  
5.469 PROBE LOC. ✓