

Undulator SN 25  
Date 3/30/09  
Crew LG, JM, BR

MMF

PM Checks

"X"

29.860 LOS

PM4

X1) BUCK IN

Y1) 32.458

Y2) 32.463

\_\_\_\_\_

1 —  
33.458

1 —  
33.463

0

29.860  
-3.588

29.860  
-3.603

PM3

X1) 30.744

Y1) 34.338

Y2) 34.341

1 —  
31.744

1 —  
35.338

1 —  
35.341

29.860  
-1.884

29.860  
-5.478

29.860  
-5.481

PM2

X1) 30.734

Y1) 34.332

Y2) 34.330

1 —  
31.734

1 —  
35.332

1 —  
35.330

29.860  
-1.874

29.860  
-5.472

29.860  
-5.470

PM1

X1) BUCK IN

Y1) 32.960

Y2) 32.457

\_\_\_\_\_

1 —  
33.460

1 —  
33.457

0

29.860  
-3.600

29.860  
-3.597

MMF

Undulator SN 25  
Date 3/30/09  
Crew L.G., J.H., B.R.

PM Checks

"Y"

Avg. PM4Y1 & PM1Y1 = HI

$$\begin{array}{r} \text{PM4Y1) } 8.428 \\ \hline 9.428 \end{array}$$

$$\begin{array}{r} \text{PM1Y1) } 8.433 \\ \hline 9.433 \end{array}$$

$$\begin{array}{r} 9.431 \\ \hline \text{HI} \end{array}$$

PM4

$$\begin{array}{r} \text{Y1) } 8.428 \\ \hline 9.428 \\ 9.431 \\ \boxed{+0.003} \end{array}$$

$$\begin{array}{r} \text{X1) } 12.031 \\ \hline 13.031 \\ 9.431 \\ \boxed{-3.600} \end{array}$$

PM3

$$\begin{array}{r} \text{Y2) } 8.432 \\ \hline 9.432 \\ 9.431 \\ \boxed{-0.001} \end{array}$$

$$\begin{array}{r} \text{X1) } 12.033 \\ \hline 13.033 \\ 9.431 \\ \boxed{-3.602} \end{array}$$

PM2

$$\begin{array}{r} \text{Y1) } 8.430 \\ \hline 9.430 \\ 9.431 \\ \boxed{+0.001} \end{array}$$

$$\begin{array}{r} \text{X1) } 12.030 \\ \hline 13.030 \\ 9.431 \\ \boxed{-3.599} \end{array}$$

PM1

$$\begin{array}{r} \text{Y1) } 8.433 \\ \hline 9.433 \\ 9.431 \\ \boxed{-0.002} \end{array}$$

$$\begin{array}{r} \text{X1) } 12.033 \\ \hline 13.033 \\ 9.431 \\ \boxed{-3.602} \end{array}$$

TOP OF GAGE BLOCK

$$\begin{array}{r} 13.828 \\ 9.431 \\ \boxed{-4.397} \end{array}$$

MMF

Undulator SN 25  
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"X"

PM Checks

BUCKIN

F Value PM1X1) 0

N Value PM4X1) 0

F 28.860 +1

N 28.860 +1

F \_\_\_\_\_

N \_\_\_\_\_

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

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

**LOS** 29.860

Undulator

1) 34.346   35.346 29.860 -5.486	2) 34.349   35.349 29.860 -5.489	3) 34.343   35.343 29.860 -5.483	4) 34.336   35.336 29.860 -5.476
5) 24.566   25.566 29.860 +4.294	6) 24.570   25.570 29.860 +4.290	7) 24.563   25.563 29.860 +4.297	8) 24.555   25.555 29.860 +4.305

Ref. Block

A) 35.893   36.893 29.860 -7.033	B) 31.360   32.360 29.860 -2.500	C) 29.601   30.601 29.860 -0.741	D) 29.600   30.600 29.860 -0.740
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MMF

Undulator SN 25  
Date 3/30/09  
Crew LG, J.M, B.R

PM Checks

"Y" 9.431 HI

Undulator

1) 4.947 1 5.947 9.431 +3.484	2) 4.953 1 5.953 9.431 +3.478	3) 4.953 1 5.953 9.431 +3.478	4) 4.949 1 5.949 9.431 +3.482
5) 12.023 1 13.023 9.431 -3.592	6) 12.020 1 13.020 9.431 -3.589	7) 12.025 1 13.025 9.431 -3.594	8) 12.024 1 13.024 9.431 -3.593

Ref. Block

A) 8.667 1 9.667 9.431 0.236	B) <del>9.431</del>	C) 10.812 1 11.812 9.431 -2.381	D) 13.893 1 14.893 9.431 -5.462
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Flats

<u>U/S</u>		<u>D/S</u>	
(+) 7.712 9.431 +1.719	(-) 7.713 9.431 +1.718	(+) 7.713 9.431 +1.718	(-) 7.713 9.431 +1.718

MMF

Undulator SN 25  
Date 3/30/09  
Crew L.G. BR, JM

PM Checks

"X"

PROBE

BUCKIN

Tagets on stand and far wall = - 5.470"

-5.470 LOS  
✓ +0.031 MIC TO + EDGE  
-5.439  
-0.039 TO SENSOR  
✓ -5.470 PROBE LOC.

MMF

Undulator SN25  
Date 3-30-09  
Crew L.G., J.M.

LONG COIL CHECK

"X"

BUCKIN

COIL

F Value PM1X1) 0  
N Value PM4X1) 0  
  
F 28.864+1  
N \_\_\_\_\_  
  
F 28.860+1  
N 28.860+1  
  
F S/R \_\_\_\_\_  
N S/R \_\_\_\_\_

U/S) 38.583

D/S) 38.587

29.860

29.860

-8.723

-8.727

Avg. = -8.725

LOS + 29.860

"Y"

PM4Y1

PM1Y1

3.720

3.725

1. —

1. —

4.720

4.725

3.601" Val.

3.599" Val.

8.321

8.324

Avg. HI = 8.323

19.657 REF.  
8.323 HI  
11.334 C/L

U/S) 0 Read  
12.576 Ref.  
12.576 Wire C/L  
11.334 Ref. C/L

D/S) +0.001 Read  
12.575 Ref.  
12.576 Wire C/L  
11.334 Ref C/L

1.242

1.242

Avg. = 1.242

581  
585  
576

576

MMF

Undulator SN 25  
Date 3.27.09  
Crew J.M., B.R.

LONG COIL CHECK

"X"

BUCKIN

F Value PM1X1) 0  
N Value PM4X1) 0  
  
F 28.864+1  
N 28.864+1  
F \_\_\_\_\_  
N \_\_\_\_\_  
  
F S/R \_\_\_\_\_  
N S/R \_\_\_\_\_

LOS 29.864

COIL

U/S) 38.588  
29.864  
8.724

D/S) 38.591  
29.864  
8.727

Ave. = 8.726

"Y"

PM4Y1  
3.711  
1  
4.711  
3.601" Val.  
8.312

PM1Y1  
3.722  
1  
4.722  
3.599" Val.  
8.324

Ave. HI = 8.317

19.645  
8.317  
11.329

REF. U/S) 12.563 Read  
HI Ref. 12.563  
C/L Wire C/L 11.329  
Ref. C/L 1.234

D/S) 12.577 Read  
Ref. 12.577  
Wire C/L 11.329  
Ref C/L 1.248

Ave. = 1.241