

MMF

Undulator SN 13  
Date 2-18-09  
Crew M.R., L.G.  
"X"

PM Checks

BUCKIN

F Value PM1X1) 0

N Value PM4X1) 0

F 29.000 +1

N 27.830 +1

F 25.000 +1

N 26.717 +1

F S/R 28.379 -1 27.377 +1

N S/R 27.377 +1 27.377 +1

**LOS +28.377**

Undulator

1) 32.860  
1 —

33.860 ✓  
28.377  
**-5.483** ✓

2) 32.853  
1 —

33.853 ✓  
28.377  
**-5.476** ✓

3) 32.860  
1 —

33.860 ✓  
28.377  
**-5.483** ✓

4) 32.857  
1 —

33.857 ✓  
28.377  
**-5.480** ✓

5) 23.077  
1 —

24.077 ✓  
28.377  
**4.300** ✓

6) 23.079  
1 —

24.079 ✓  
28.377  
**4.298** ✓

7) 23.078  
1 —

24.078 ✓  
28.377  
**4.299** ✓

8) 23.075  
1 —

24.075 ✓  
28.377  
**4.302** ✓

Ref. Block

A) 34.408  
1 —

35.408 ✓  
28.377  
**-7.031** ✓

B) 29.877  
1 —

30.877 ✓  
28.377  
**-2.500** ✓

C) 28.120  
1 —

29.120 ✓  
28.377  
**-.743** ✓

D) 28.119  
1 —

29.119 ✓  
28.377  
**-.742** ✓

MMF

Undulator SN 13  
Date 2-18-09  
Crew MR, L.C.

PM Checks

"Y" 8.428 HI

Undulator

1) 3.945  
1  

---

4.945  
8.428  

---

3.483

2) 3.945  
1  

---

4.945  
8.428  

---

3.483

3) 3.948  
1  

---

4.948  
8.428  

---

3.480

4) 3.942  
1  

---

4.942  
8.428  

---

3.486

5) 11.032  
1  

---

12.032  
8.428  

---

-3.604

6) 11.034  
1  

---

12.034  
8.428  

---

-3.606

7) 11.030  
1  

---

12.030  
8.428  

---

-3.602

8) 11.032  
1  

---

12.032  
8.428  

---

-3.604

Ref. Block

A) 7.671  
1  

---

8.671  
8.428  

---

-2.43

B)             
            

---

            
            

---

          

C) 9.818  
1  

---

10.818  
8.428  

---

-2.390

D) 12.897  
1  

---

13.897  
8.428  

---

-5.469

Flats

U/S

D/S

(+) 6.718  
8.428  

---

1.710

(-) 6.719  
8.428  

---

1.709

(+) 6.712  
8.428  

---

1.714

(-) 6.713  
8.428  

---

1.715

Undulator SN13  
Date 2-18-09  
Crew MR. LISA

MMF

PM Checks

"X"

28.377 LOS

PM4

X1)  
BUCK IN

Y1) 30.977      Y2) 30.980

1 —

1 —

31.977 ✓

31.980 ✓

28.377

28.377

0

-3.600 ✓

-3.603 ✓

PM3

X1) 29.258

Y1) 32.853

Y2) 32.855

1 —

1 —

1 —

30.258 ✓

33.853 ✓

33.855 ✓

28.377

28.377

28.377

-1.881 ✓

-5.476 ✓

-5.478 ✓

PM2

X1) 29.256

Y1) 32.847

Y2) 32.851

1 —

1 —

1 —

30.256 ✓

33.847 ✓

33.851 ✓

28.377

28.377

28.377

-1.879 ✓

-5.470 ✓

-5.474 ✓

PM1

X1)  
BUCK IN

Y1) 30.967

Y2) 30.982

1 —

1 —

31.967 ✓

31.982 ✓

28.377

28.377

0

-3.590 ✓

-3.605 ✓

MMF

Undulator 5H13  
Date 2-18-09  
Crew M.R., L.G.

PM Checks

"Y"

Avg. PM4Y1 & PM1Y1 = HI

PM4Y1) 7.433  
1 —  
-----  
8.433 ✓

PM1Y1) 7.423  
1 —  
-----  
8.423 ✓

8.428 HI

PM4

Y1) 7.433  
1 —  
-----  
8.433 ✓  
8.428  
-----  
-0.005 ✓

X1) 11.041  
1 —  
-----  
12.041 ✓  
8.428  
-----  
-3.613 ✓

PM3

Y2) 7.437  
1 —  
-----  
8.437 ✓  
8.428  
-----  
-0.009 ✓

X1) 11.039  
1 —  
-----  
12.039 ✓  
8.428  
-----  
-3.611 ✓

PM2

Y1) 7.429  
1 —  
-----  
8.429 ✓  
8.428  
-----  
-0.001 ✓

X1) 11.031  
1 —  
-----  
12.031 ✓  
8.428  
-----  
-3.603 ✓

PM1

Y1) 7.423  
1 —  
-----  
8.423 ✓  
8.428  
-----  
+0.005 ✓

X1) 11.035  
1 —  
-----  
12.035 ✓  
8.428  
-----  
-3.607 ✓

TOP OF GAGE BLOCK

12.836  
8.428  
-----  
-4.408 ✓

MMF

Undulator SN13  
Date 2-18-09  
Crew M.R., L.G.

PM Checks

"X"

PROBE

BUCKIN

Tagets on stand and far wall = - 5.470"

-5.470 LOS  
(+).028 MIC TO + EDGE  
-5.442 ✓

-0.039 TO SENSOR  
-5.481 ✓ PROBE LOC.