

Undulator 5N05  
Date 6-17-09  
Crew JM, LG

MMF

PM Checks

"X"

26.713 LOS

PM4

X1) BUCK IN

Y1) 29.310

Y2) 29.316

\_\_\_\_\_

1 \_\_\_\_\_

1 \_\_\_\_\_

0

30.310  
26.713

30.316  
26.713

-3.597

-3.603

PM3

X1) 27.589

Y1) 31.183

Y2) 31.186

1 \_\_\_\_\_

1 \_\_\_\_\_

1 \_\_\_\_\_

28.589

32.183

32.186

26.713

26.713

26.713

-1.876

-5.470

-5.473

PM2

X1) 27.588

Y1) 31.185

Y2) 31.185

1 \_\_\_\_\_

1 \_\_\_\_\_

1 \_\_\_\_\_

28.588

32.185

32.185

26.713

26.713

26.713

-1.875

-5.472

-5.472

PM1

X1) BUCK IN

Y1) 29.314

Y2) 29.309

\_\_\_\_\_

1 \_\_\_\_\_

1 \_\_\_\_\_

0

30.314  
26.713

30.309  
26.713

-3.601

-3.596

MMF

Undulator 5405  
Date 6-17-05  
Crew SM, LG

PM Checks

"Y"

Avg. PM4Y1 & PM1Y1 = HI

PM4Y1) 8.396  
1 ———  
—————  
9.396

PM1Y1) 8.409  
1 ———  
—————  
9.409

9.403 HI

PM4

Y1) 8.396  
1 ———  
—————  
9.396  
9.403  
—————  
+0.007

X1) 12.002  
1 ———  
—————  
13.002  
9.403  
—————  
-3.599

PM3

Y2) 8.400  
1 ———  
—————  
9.400  
9.403  
—————  
+0.003

X1) 12.000  
1 ———  
—————  
13.000  
9.403  
—————  
-3.597

PM2

Y1) 8.402  
1 ———  
—————  
9.402  
9.403  
—————  
+0.001

X1) 12.002  
1 ———  
—————  
13.002  
9.403  
—————  
-3.599

PM1

Y1) 8.409  
1 ———  
—————  
9.409  
9.403  
—————  
-0.006

X1) 12.009  
1 ———  
—————  
13.009  
9.403  
—————  
-3.606

TOP OF GAGE BLOCK

13.796  
9.403  
—————  
-4.393

MMF

Undulator SN05  
Date 6-17-09  
Crew J.M., L.G.  
"X"

PM Checks

BUCKIN

F Value PM1X1) 0

N Value PM4X1) 0

F 26.714-1

N 25.713+1

F 25.713+1

N 25.713+1

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

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

**LOS** 26.713

Undulator

1) $\begin{array}{r} 31.189 \\ \hline 1 \text{ ---} \\ \hline 32.189 \\ 26.713 \\ \hline -5.476 \end{array}$	2) $\begin{array}{r} 31.192 \\ \hline 1 \text{ ---} \\ \hline 32.192 \\ 26.713 \\ \hline -5.479 \end{array}$	3) $\begin{array}{r} 31.193 \\ \hline 1 \text{ ---} \\ \hline 32.193 \\ 26.713 \\ \hline -5.480 \end{array}$	4) $\begin{array}{r} 31.189 \\ \hline 1 \text{ ---} \\ \hline 32.189 \\ 26.713 \\ \hline -5.476 \end{array}$
5) $\begin{array}{r} 21.415 \\ \hline 1 \text{ ---} \\ \hline 22.415 \\ 26.713 \\ \hline 4.298 \end{array}$	6) $\begin{array}{r} 21.412 \\ \hline 1 \text{ ---} \\ \hline 22.412 \\ 26.713 \\ \hline 4.301 \end{array}$	7) $\begin{array}{r} 21.411 \\ \hline 1 \text{ ---} \\ \hline 22.411 \\ 26.713 \\ \hline 4.302 \end{array}$	8) $\begin{array}{r} 21.412 \\ \hline 1 \text{ ---} \\ \hline 22.412 \\ 26.713 \\ \hline 4.301 \end{array}$

Ref. Block

A) $\begin{array}{r} 32.745 \\ \hline 1 \text{ ---} \\ \hline 33.745 \\ 26.713 \\ \hline -7.032 \end{array}$	B) $\begin{array}{r} 28.212 \\ \hline 1 \text{ ---} \\ \hline 29.212 \\ 26.713 \\ \hline -2.499 \end{array}$	C) $\begin{array}{r} 26.454 \\ \hline 1 \text{ ---} \\ \hline 27.454 \\ 26.713 \\ \hline -0.741 \end{array}$	D) $\begin{array}{r} 26.453 \\ \hline 1 \text{ ---} \\ \hline 27.453 \\ 26.713 \\ \hline -.740 \end{array}$
--	--	--	---

MMF

Undulator 5N05  
Date 6-17-09  
Crew JM, LG

PM Checks

"Y" 9.403 HI

Undulator

1) 4.919  
1 —  
5.919  
9.403  
3.484

2) 4.920  
1 —  
5.920  
9.403  
3.483

3) 4.923  
1 —  
5.923  
9.403  
3.480

4) 4.920  
1 —  
5.920  
9.403  
3.483

5) 11.996  
1 —  
12.996  
9.403  
-3.593

6) 11.996  
1 —  
12.996  
9.403  
-3.593

7) 12.000  
1 —  
13.000  
9.403  
-3.597

8) 12.001  
1 —  
13.001  
9.403  
3.598

Ref. Block

A) 8.635  
1 —  
9.635  
9.403  
-1.232

B)   
/   
/

C) 10.779  
1 —  
11.779  
9.403  
-2.376

D) 13.861  
1 —  
14.861  
9.403  
-5.458

Flats

U/S

D/S

(+) 7.683  
9.403  
1.720

(-) 7.684  
9.403  
1.719

(+) 7.687  
9.403  
1.716

(-) 7.688  
9.403  
1.715

MMF

Undulator 5N05  
Date 6-17-09  
Crew JM, LG

PM Checks

"X"

PROBE

BUCKIN

Tagets on stand and far wall = - 5.470"

-5.470 LOS  
+0.030 MIC TO + EDGE  
-5.440  
-0.039 TO SENSOR  
-5.479 PROBE LOC.

MMF

Undulator SN05  
Date 6-16-09  
Crew B.R. JM, LG

LONG COIL CHECK

"X"

BUCKIN

F Value PM1X1) 0  
N Value PM4X1) 0  
  
F 27.000 +1  
N 26.078 +1  
  
F 25.500 +1  
N 25.654 +1  
  
F S/R 26.715 -1  
N S/R 26.715 -1  
  
LOS 26.715

COIL

U/S) 35.445  
26.715  
-8.730  
  
D/S) 35.444  
26.715  
-8.729  
  
Avg. = -8.730

"Y"

PM4Y1  
3.944  
1  
4.944  
3.601" Val.  
8.545  
  
PM1Y1  
3.956  
1  
4.956  
3.599" Val.  
8.555

Avg. HI= 8.550

19.877 REF. U/S) 12.558 Read D/S) +1.005 Read  
8.550 HI 0 Ref. 12.557 Ref.  
11.327 C/L 12.558 Wire C/L 12.562 Wire C/L  
11.327 Ref. C/L 11.327 Ref C/L  
1.231 1.235

Avg. = 1.233