Two Super Modules Installed – Two more on the way .....









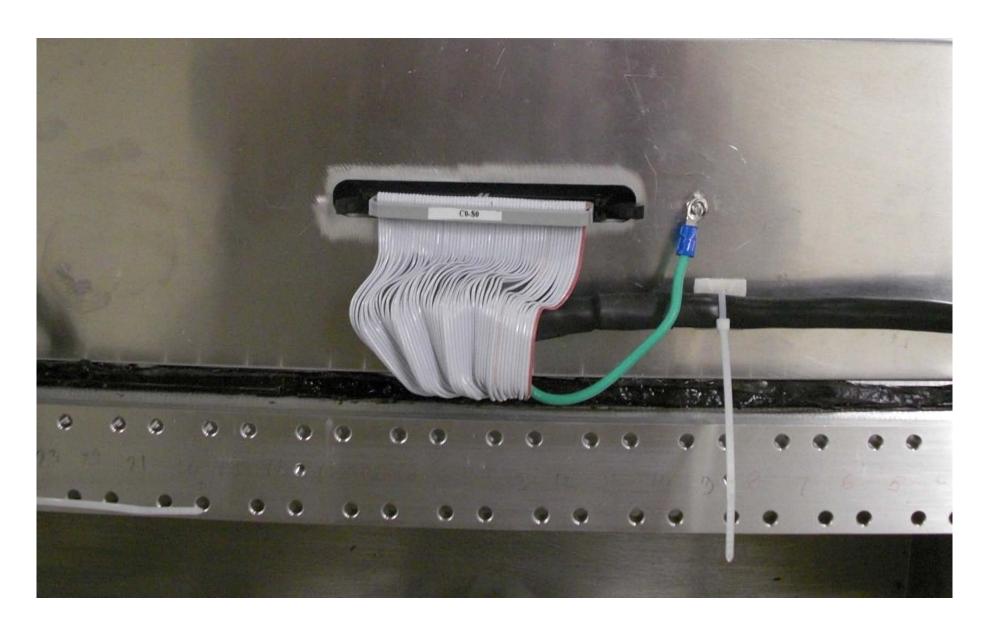




Final steps in the mechanical integration of US SM#2 at Wayne State







Cable and fiber installation in process —
Final checkout = APD + PreAmp + cable + fiber bundle + 3mm fiber

ID	0	Task Name	Duration	Start	March April May June July
1	<u> </u>	243 APDs Received to Houston from Terry	3 days	Mon 3/9/09	3/1   3/8 3/15 3/22 3/29   4/5   4/12 4/19 4/26  5/3   5/10 5/17 5/24 5/31  6/7   6/14 6/21 6/28  7/5 7/12 7/19
2		243 calibrated APD's to WSU from UHn (5 Strips)	5 days	Thu 3/12/09	
3	<b>I</b>	709 APDs received from japan	12 days	Thu 3/12/09	
4		350 calibrated APD's to WSU from UH (7.3 Strips)	5 days	Mon 3/30/09	
5	<b>III</b>	359 calibrated APD's to WSU from UH (7.5 strips)	5 days	Mon 4/6/09	
6	⊞	274 APDs received from japan	12 days	Mon 3/23/09	
7	İ	200 calibrated APD's to WSU fromUh (4.18 strips)	5 days	Wed 4/8/09	
8		APDs for US Sm complete	0 days	Tue 4/14/09	
9					
10		74 calibrated APD's to WSU from Houston	5 days	Wed 4/8/09	
11	Ⅲ	526 APDs received from Japan	10 days	Mon 4/27/09	
12	<b>=</b>	326 calibrated APD's to WSU from Houston, Completes I	5 days	Tue 5/12/09	
13	Ⅲ	200 calibrated APD's to WSU from Houston	3 days	Thu 5/21/09	
14		APDs for 1/2 EU Sm complete	0 days	Mon 5/25/09	5/25
15					
16	<b>=</b>	500 APDs received from Japan	10 days	Mon 5/25/09	
17	Ⅲ	300 calibrated APD's to WSU from Houston,	5 days	Tue 6/9/09	
18	<b>I</b>	200 calibrated APD's to WSU from Houston,	2 days	Tue 6/16/09	
19	■	600 APDs received from Japan	10 days	Mon 6/15/09	
20	<b>III</b>	300 calibrated APD's to WSU from Houston,	5 days	Tue 6/30/09	
21	■	300 calibrated APD's to WSU from Houston,	5 days	Tue 7/7/09	
22					
23					
24		Scintillators Production	1 day?	Fri 3/13/09	
25	<b>=</b>	Scintillators for 272 modules are ready	0 days	Mon 3/23/09	→ 3/2:
26	<b>=</b>	11,000 tiles recevied at WSU 5000 for US and 6000 to E	0 days	Wed 4/1/09	<del>                                  </del>
27		Scintillators for 16 Modules ready to Finish US	0 days	Wed 4/1/09	
28		Scintillators for 19 Modules ready to start EU	0 days	Wed 4/1/09	
29	■	29000 Tiles delivered for EU SM (94 Modules)	0 days	Mon 4/20/09	4/20
30					
31		Module Production	0 days	Fri 3/13/09	
32		183 US module 5 complete to date	0 days	Fri 3/13/09	J ┌──★ I
33		223 US module complete	5 days	Fri 3/13/09	
			Pa	ge 1	

ID	0	Task Name	Duration	Start	March
34		263 US module complete	6 days	Fri 3/20/09	
35		288 US module complete	0 days	Thu 4/2/09	1 442
36		Float	0 days	Thu 4/2/09	1   4+4+442
37	İ	US Module Production Complete	0 days	Thu 4/2/09	1
38	İ	35 EU Modules Production	6 days	Thu 4/2/09	1
39	İ	73 modules for EU complete	13 days	Mon 4/20/09	
40	İ	108 EU Modules are complete	0 days	Thu 5/7/09	1                       <del>  - 5/7</del>
41					1
42					
43		LED Fiber Bundle Production	0 days	Fri 3/13/09	◆ 31   3
44		20 Bundles for 20 strip complete to date	0 days	Fri 3/13/09	]   ♦ <sub></sub> 3 <i>r</i>  3
45		24 Bundles for 20 strip complete	5 days	Fri 3/13/09	1   <u>□</u>
46		LED Fibers for US SM complete	0 days	Thu 3/19/09	31 9 31 9 31 1 1 1 1 1 1 1 1 1 1 1 1 1 1
47	İ	EU LED Fiber Production	12 days	Fri 3/20/09	
48	Ì				1
49		Strip Mechanical assembly	0 days	Fri 3/13/09	♦ 31   3
50	<b></b>	10 Strip Complete to date	0 days	Fri 3/13/09	1 + <del>4 3</del> /3
51	İ	14 strips complete	3 days	Fri 3/13/09	│ <del>□                                    </del>
52		17 Strips complete	3 days	Fri 3/20/09	1   <del>□•'-  - - - </del>
53	ĺ	20 strip complete	3 days	Mon 3/30/09	1    <del>        </del>
54		24 strips complete	3 days	Thu 4/2/09	1
55	İ	US Module Production Complete	0 days	Mon 4/6/09	4/6
56	<b>III</b>	9 EU Strips Mecanical Assembly Complete	18 days	Mon 4/20/09	
57					
58		Close out of US Stripmodules	0 days	Fri 3/13/09	] ◆ <u>3</u> 1/3
59		5 strips complete	3 days	Thu 3/19/09	1 <u>™</u>
60		12 strips complete	4 days	Mon 4/6/09	]    [ [ ]
61		14 Strips complete	5 days	Mon 4/13/09	1    <u> </u>
62		17 Strips complete	2 days	Mon 4/20/09	
63	ĺ	20 strips complete	2 days	Wed 4/22/09	1
64		24 strips complete	3 days	Fri 4/24/09	1
65	Î	US Strips Close out Complete	0 days	Tue 4/28/09	4/28

## Schedule for US SM#2 from approximately this point forward

- Everything through line 84 is completed
- Text in Red was formerly critical path

70													
71													
72		US SM Mechanical Assembly	0 days	Fri 3/13/09	→ 3/13								
73	==	Crate and Platform are ready	0 days	Mon 3/30/09	•	3/30							
74		5 strips complete	2 days	Mon 3/30/09							- 1		
75		12 strips complete	2 days	Fri 4/10/09			1			- 11-			
76		14 Strips complete	1 day	Mon 4/20/09		<u> </u>							
77	1	17 Strips complete	2 days	Wed 4/22/09		i th							
78		20 strips complete	2 days	Fri 4/24/09		i i		1					
79		24 strips complete	2 days	Wed 4/29/09				H					
80										- 4			
81		SM Cabling and Checkout	0 days	Fri 3/13/09	<b>♦</b> 3/13								
82	<b>III</b>	Cables for 8 Strips ready @ WSU	0 days	Thu 4/16/09		<b>♦</b> -4/16	*						İ
83		Cables for 16 Strips ready @ WSU	5 days	Thu 4/16/09									
84		Cables for 24 Strips ready @WSU	2 days	Thu 4/23/09		i i					- (-)		
85	İ	5 strips complete	2 days	Mon 4/27/09			<u> </u>						
86		12 strips complete	3 days	Wed 4/29/09									ļ
87		14 Strips complete	2 days	Tue 5/5/09			H					1	
88		17 Strips complete	2 days	Thu 5/7/09			T	H					
89		20 strips complete	2 days	Mon 5/11/09				Ĺ	ii ii	i.			
90		24 strips complete	3 days	Wed 5/13/09					ĥ	h	<b>j</b>	<b>5</b>	j <sub>1</sub>
91													
92		SM Shipping	7 days	Mon 5/18/09									
93		US SM at Grenoble	0 days	Tue 5/26/09						5/26	5/26	5/26	5/26
94											1	1	
95		Calibration at Grenoble	15 days	Wed 5/27/09			0						
96		and any other parties of the same of											
97		US SM Ship to CERN	3 days	Thu 6/18/09								<u> </u>	<u> </u>

## **Strip Modules for EU SM#2**

57 Modules completed
2 strips assembled
Fiber bundles shipped to Frascati
3mm fibers ready in one week
Driver fibers completed – need QA testing





Scintillator Production continues "just in time"





