Tube Room Update

Evan Carpenter

February 3rd, 2023

On behalf of the UM sMDT team





Delivery:

- MSU delivered 100 tubes last Thursday. 0 Bent.
- MSU delivered 200 tubes today.
- Now

Tube Testing:

- Mod 37 was delivered to High bay last week. Mod 38 is ready and covered in Tube Room.
- There are enough good tubes for Mod 39.
- Most tubes just need to be cleaned and scanned.
- Leak test is caught up. Undergraduates are heat-shrinking grounding pins.

All Tubes

Received	MSU	Lost	Bent	LT_{ok}	$T1_{ok}$	$T2_{ok}$	DC_{ok}	Passed All	In Chamber	Ready
$(UM\;tubes{\rightarrow})$	1359	18	9	1358	1345	1341	1348	1331	563	768
2022-10-28	503	11	0	503	492	473	500	470	354	116
2022-11-04	100	0	1	100	100	90	100	90	10	80
2022-11-18	200	1	0	200	199	189	200	189	9	180
2022-11-25	300	2	0	300	298	256	300	256	0	256
2022-12-02	195	1	0	195	194	166	195	166	0	166
2022-12-09	100	0	2	100	100	91	99	91	0	91
2023-01-06	200	2	0	200	198	189	200	189	0	189
2023-01-13	200	1	5	200	199	183	200	183	0	183
2023-01-20	150	2	0	150	148	107	149	107	0	107
2023-01-27	100	0	0	100	100	71	100	71	0	71
Total	3407	38	17	3406	3373	3156	3391	3143	936	2,193

Still testing: 174

	UM	Lost	Bent	Lok	Tok	T2ok	DCok	Passed All	In Chamber	Ready	
	1359	18	9	1357	1347	1341	1348	1331	563	768	
Missing	N/A	N/A		2	12	18	11	28	N/A	N/A	Missing
Explanation	N/A	N/A	9 Failed tubes are bent	Only 1 tube failed, Needs DB Update	12 of Lost had bad tension	15 of Failed dont have T2, 3 are retesting	8 of Lost have incomplete DC, 3 Missing DC	28 Lost	N/A	N/A	Explanation
				e other tests	bes that have be depending on if t on test.						

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Still testing: 174

Counted by hand = 174 still testing
$$2,193 - \underbrace{464}_{\text{Mod }37} - \underbrace{464}_{\text{Mod }38} - \underbrace{464}_{\text{Mod }39} - \underbrace{464}_{\text{Mod }40} = 337 \text{ leftover good}$$

$$174 + 337 = 511 = \underbrace{464}_{\text{Mod }41} + 47$$

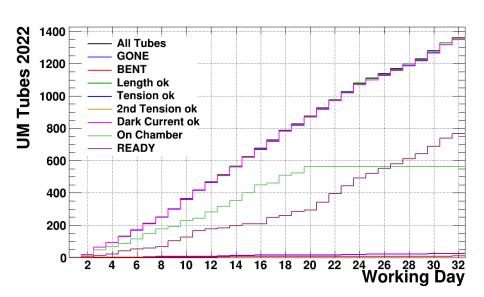
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Still testing: 174

Tube count discrepancy with DB. Working with Claudio to resolve/scan all bad tubes to double check.

$$3,407 - 3,143 = 264$$
 still testing $2,207 - \underbrace{464}_{\text{Mod }37} - \underbrace{464}_{\text{Mod }38} - \underbrace{464}_{\text{Mod }39} - \underbrace{464}_{\text{Mod }40} = 351$ leftover good $264 + 351 = 615 = \underbrace{464}_{\text{Mod }40} + 155$

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Tests of automating summary-making process.

Tube Room Inventory - All Tubes

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