

# Tube Room Update

Evan Carpenter

## Delivery:

- ▶ MSU Delivered 200 tubes last Thursday. 5 Bent.
- ▶ Next delivery is this Friday Jan 20th.
- ▶ I will not be here Friday.

## Tube Testing:

- ▶ Mod 36 is in High Bay. Mod 37 is ready in Tube Room.
- ▶ Roughly ~ 470 MSU tubes from different dates need leak test.
- ▶ 2<sup>nd</sup> Tension test and Leak testing tubes is highest priority.

# MSU Tubes

WeekDate	MSU	BENT	Lok	Tok	T2ok	DCok	DONE	OK	GONE	USED	READY
10/28/22	503	0	503	491	440	481	465	434	11	354	80
11/04/22	100	1	100	100	68	99	79	68	0	10	58
11/18/22	200	0	200	199	180	200	196	180	1	9	171
11/25/22	300	0	300	299	151	299	163	150	1	0	150
12/02/22	195	0	195	195	2	195	2	2	0	0	2
12/09/22	100	2	29	100	90	97	97	90	0	0	90
01/06/23	199	0	0	197	187	190	198	178	2	0	178
01/13/23	200	0	0	200	49	171	52	49	0	0	49
TOTAL	1797	3	1327	1781	1167	1732	1252	1151	15	373	778

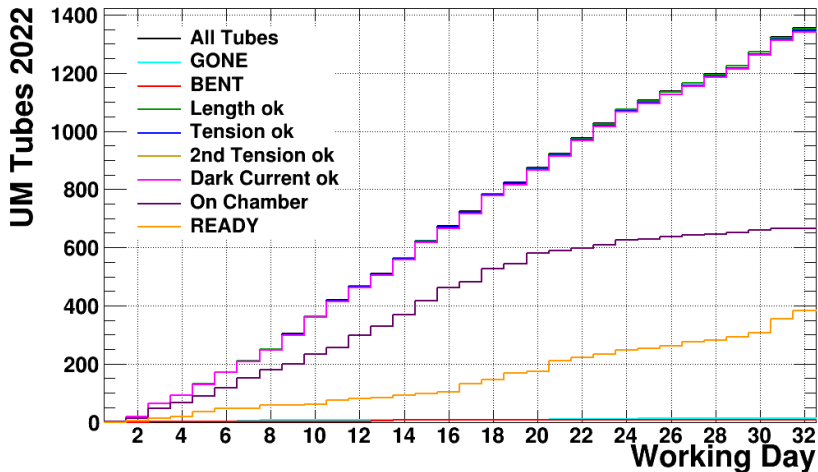
- ▶ About 210 Tubes are marked READY in DB but need leak test. So...
- ▶  $MSU\ Total = 778 - 210 = \mathbf{568}$  MSU Tubes Ready in tube room

# UM Tubes

WeekDate	UM	BENT	Lok	Tok	T2ok	DCok	DONE	OK	GONE	USED	READY
11/04/22	129	1	129	127	126	127	127	123	4	84	39
11/11/22	233	1	232	232	173	230	173	171	2	142	29
11/18/22	260	4	260	259	220	258	220	219	1	173	46
11/25/22	101	0	100	101	97	100	97	97	0	61	36
12/02/22	250	0	250	249	210	250	210	209	1	101	108
12/09/22	191	0	191	187	97	188	99	97	2	0	97
12/16/22	188	0	188	188	129	186	129	129	0	0	129
TOTAL	1352	6	1350	1343	1052	1339	1055	1045	10	561	484

- ▶ 568 MSU Tubes + 484 UM Tubes = 1,052 Tubes Total Ready
- ▶ Subtracting tubes for Mod 37: 1,052-464=**588** good tubes left after Mod 37.

## UM Tubes



Tests of automating summary-making process.

# Tube Room Inventory - MSU Tubes

Received	MSU	Lost	Bent	T1 <sub>ok</sub>	T2 <sub>ok</sub>	DC <sub>ok</sub>	Passed All	In Chamber	Ready
2022-10-28	503	0	0	491	440	481	434	354	80
2022-11-04	100	0	1	100	68	99	68	10	58
2022-11-18	200	0	0	199	180	200	180	9	171
2022-11-25	300	0	0	299	151	299	150	0	150
2022-12-02	195	0	0	195	2	195	2	0	2
2022-12-09	100	0	2	100	90	97	90	0	90
2023-01-06	199	0	0	197	187	190	178	0	178
2023-01-13	200	0	0	200	49	171	49	0	49
Need Leak	-	-	-	-	-	-	-470	-	-470
Total	1797	0	3	1781	1167	1732	681	373	308

**Figure:** Currently there is no way to keep track of individual dates' leak tests. I subtract it at the end so the total number of "Ready" tubes is accurate.

# Tube Room Inventory - UM Tubes

Constructed	UM	Lost	Bent	T1 <sub>ok</sub>	T2 <sub>ok</sub>	DC <sub>ok</sub>	Passed All	In Chamber	Ready
2022-11-04	129	3	1	127	126	127	122	84	38
2022-11-11	233	2	1	232	173	230	171	142	29
2022-11-18	260	0	4	259	220	258	219	173	46
2022-11-25	101	1	0	101	97	100	97	61	36
2022-12-02	250	0	0	249	210	250	209	101	108
2022-12-09	191	0	0	187	97	188	97	0	97
2022-12-16	188	0	0	188	129	186	129	0	129
Total	1352	6	6	1343	1052	1339	1044	561	483



# Tube Room Inventory - UM Tubes

Total # of Tubes	Lost	Bent	T1 <sub>ok</sub>	T2 <sub>ok</sub>	DC <sub>ok</sub>	Passed All	In Chamber	Ready	Total Number in Tube Room
3149	6	9	3124	2219	3071	1725	934	791	2215

Mod 37 is ready, mod 38 is almost ready.