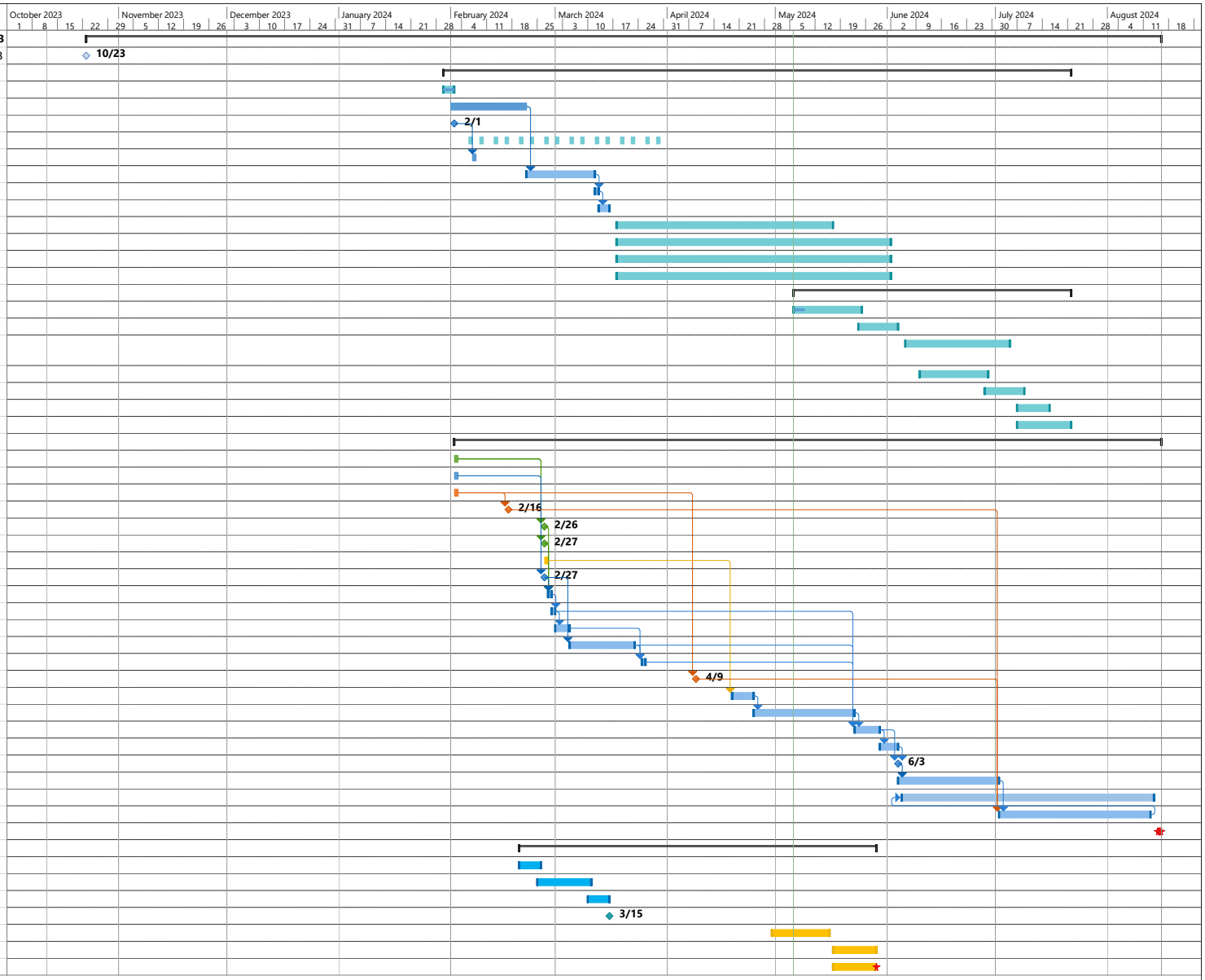
ID	Task Mode	Task Name	Duration	Start
1		**Vessel & mirror construction**	**207 days**	**Mon 10/23/23**
2		Overall design parameters frozen		Mon 10/23/23
35		**Stony Brook (mirrors)**	**123 days**	**Tue 1/30/24**
36		Evaporation 3 Reflectivity Test	3 days	Tue 1/30/24
37		Designing Large Lexan Cone	14 days	Thu 2/1/24
39		Ordering Reference Mirror	1 day	Thu 2/1/24
42		**Bi-weekly Evaporation**	**38 days**	**Tue 2/6/24**
40		Reference mirror arrives	1 day	Wed 2/7/24
38		Lexan Cone Completion	13 days	Thu 2/22/24
41		Full Lexan cone coating	1 day	Tue 3/12/24
59		Lexan cone reflectivity test	3 days	Wed 3/13/24
60		Ion Source Mount	44 days	Mon 3/18/24
61		Thickness Measurement	56 days	Mon 3/18/24
62		Full Scale Mirror Mount	56 days	Mon 3/18/24
63		Rotation Control	56 days	Mon 3/18/24
64		**Purdue (mirrors)**	**55 days**	**Mon 5/6/24**
65		Conical lexan co-bonding	15 days	Mon 5/6/24
66		Samples sent to SBU	7 days	Fri 5/24/24
67		Finalize design and start tool manufacturing simulations for outer mirror	21 days	Thu 6/6/24
68		Tool machining for outer	15 days	Mon 6/10/24
69		Outer mirror prototyping	7 days	Fri 6/28/24
70		Co-bonding for outer mirror	7 days	Sun 7/7/24
71		Inner mirror	12 days	Sun 7/7/24
11		**Stony Brook (Vessel)**	**139 days**	**Fri 2/2/24**
12		Order Motion Components	1 day?	Fri 2/2/24
18		8020 acquisition / procurement	1 day	Fri 2/2/24
25		Order Shell Materials	1 day	Fri 2/2/24
15		Carbon Fiber Arrives	0 days	Fri 2/16/24
14		Magnetic Stripe Arrives	0 days	Mon 2/26/24
16		Shaft Arrives	0 days	Tue 2/27/24
19		Foam blocks procurement	1 day	Tue 2/27/24
20		Mandrel 80-20 parts ready for assembly	0 days	Tue 2/27/24
22		80-20 Table Assembly	1 day	Wed 2/28/24
27		Table Leveling	1 day?	Thu 2/29/24
21		Set up Motors	2 days?	Fri 3/1/24
23		Mandrel 80-20 frame assembly	14 days	Tue 3/5/24
24		Install Mandrel Frame	1 day	Mon 3/25/24
13		Honey Comb Arrives	0 days	Tue 4/9/24
17		Foam Arrives	4 days	Fri 4/19/24
29		Foam preparation	20 days	Thu 4/25/24
30		Foam installation	5 days	Thu 5/23/24
28		Surveying:Allignment	3 days	Thu 5/30/24
26		Begin Milling	0 days	Mon 6/3/24
31		Foam milling to shape	20 days	Tue 6/4/24
33		All components ready for assembly	50 days	Wed 6/5/24
32		Outer shell construction	30 days	Tue 7/2/24
34		All components are assembled	1 day	Thu 8/15/24
3		**Purdue (Vessel)**	**71 days**	**Tue 2/20/24**
4		End ring prototype with small radius	5 days	Tue 2/20/24
5		Surface roughness, tool compensation	12 days	Sun 2/25/24
6		Tool machining start	6 days	Sun 3/10/24
7		Tool ready – metrology and QC/QA	1 day	Fri 3/15/24
8		Machining & Assembly of 4 quarters (ing 2)	12 days	Tue 4/30/24
9		Ship End Ring 2 to SBU	8 days	Fri 5/17/24
10		Ship End Ring 1 to SBU	8 days	Fri 5/17/24



Project: Project One
Date: Mon 5/6/24

Task | Split | Milestone | Summary | Project Summary | Inactive Task | Inactive Milestone | Inactive Summary | Manual Task | Duration-only | Manual Summary Rollup | Manual Summary | Start-only | Finish-only | External Tasks | External Milestone | Deadline | Progress | Manual Progress