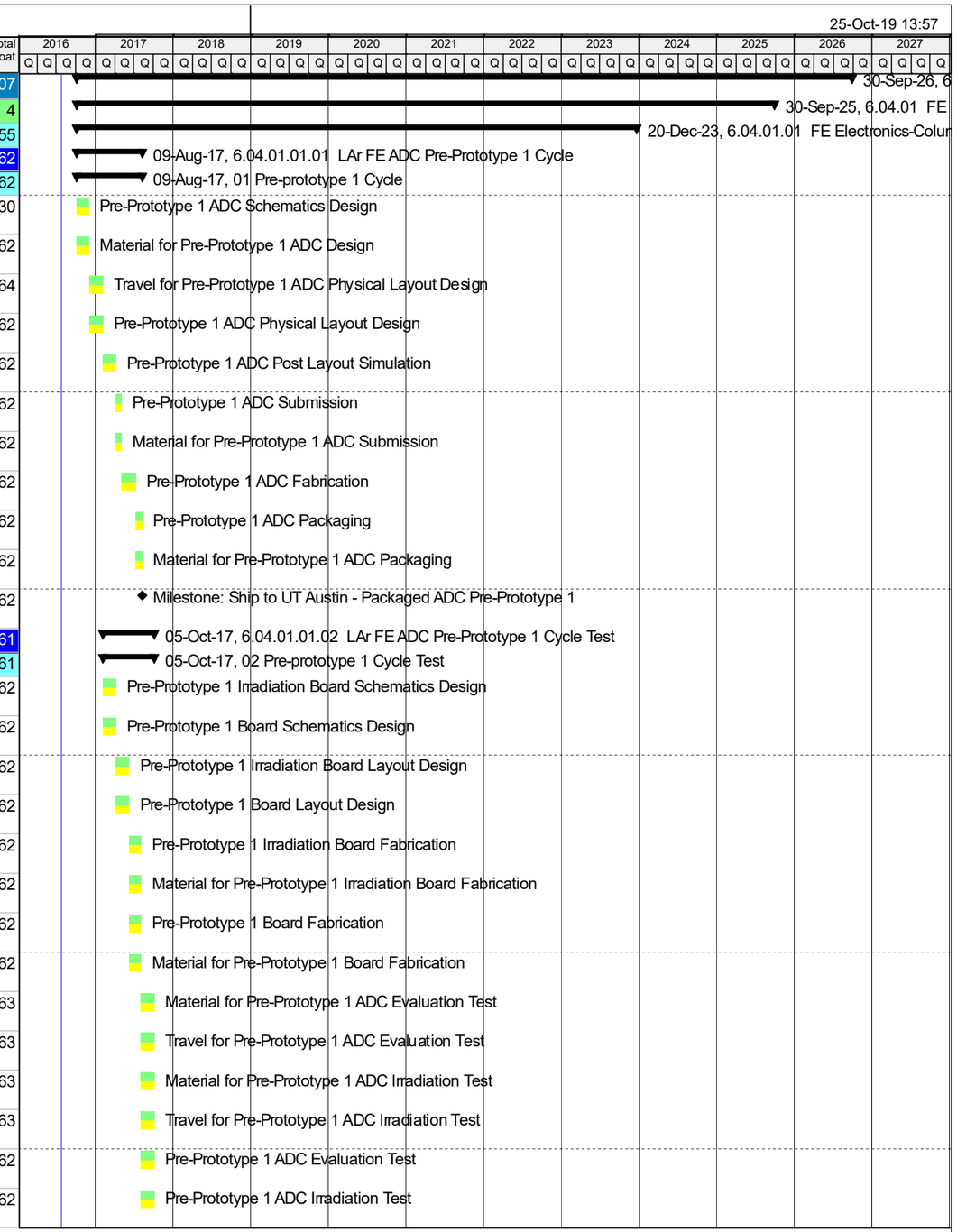
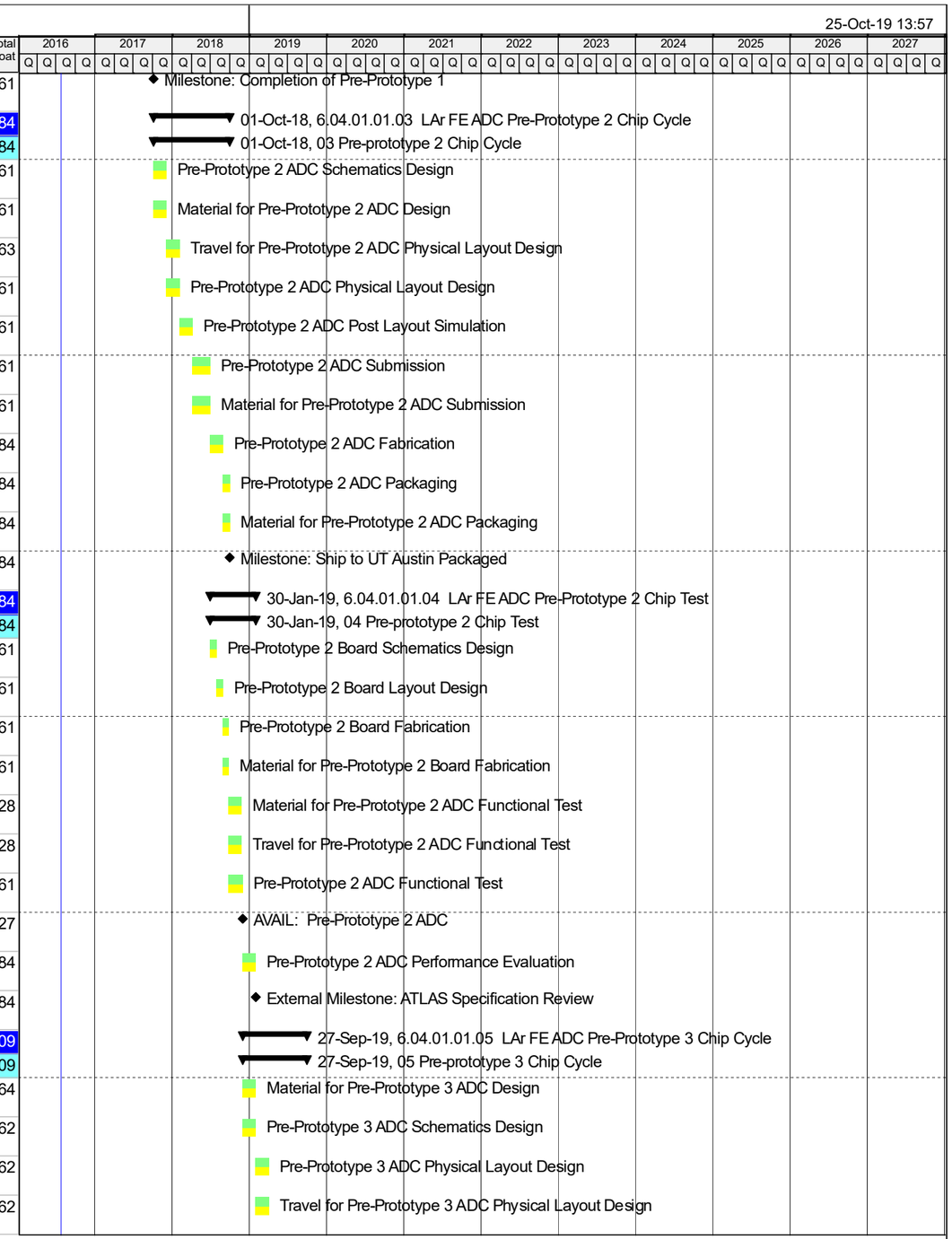
Activity ID	Activity Name	Duration	% Complete	BL Start	BL Finish	WS Start	WS Finish	Total Float
6.04	**ATLAS Upgrade Phase II - LAr**	2527	0%	03-Oct-16	30-Sep-26	03-Oct-16	30-Sep-26	507
6.04.01	**FE Electronics**	2275	0%	03-Oct-16	30-Sep-25	03-Oct-16	30-Sep-25	4
6.04.01.01	**FE Electronics-Columbia**	1825	0%	03-Oct-16	20-Dec-23	03-Oct-16	20-Dec-23	455
6.04.01.01.01	**LAr FE ADC Pre-Prototype 1 Cycle**	216	0%	03-Oct-16	09-Aug-17	03-Oct-16	09-Aug-17	262
01	**Pre-prototype 1 Cycle**	216	0%	03-Oct-16	09-Aug-17	03-Oct-16	09-Aug-17	262
FEE10010	Pre-Prototype 1 ADC Schematics Design	43	0%	03-Oct-16	02-Dec-16	03-Oct-16	02-Dec-16	130
FEE10010M	Material for Pre-Prototype 1 ADC Design	43	0%	03-Oct-16	02-Dec-16	03-Oct-16	02-Dec-16	262
FEE10020T	Travel for Pre-Prototype 1 ADC Physical Layout Design	42	0%	05-Dec-16	02-Feb-17	05-Dec-16	02-Feb-17	264
FEE10020	Pre-Prototype 1 ADC Physical Layout Design	44	0%	05-Dec-16	06-Feb-17	05-Dec-16	06-Feb-17	262
FEE10030	Pre-Prototype 1 ADC Post Layout Simulation	43	0%	06-Feb-17	07-Apr-17	06-Feb-17	07-Apr-17	262
FEE10040	Pre-Prototype 1 ADC Submission	20	0%	07-Apr-17	05-May-17	07-Apr-17	05-May-17	262
FEE10040M	Material for Pre-Prototype 1 ADC Submission	20	0%	07-Apr-17	05-May-17	07-Apr-17	05-May-17	262
FEE10050	Pre-Prototype 1 ADC Fabrication	45	0%	05-May-17	11-Jul-17	05-May-17	11-Jul-17	262
FEE10060	Pre-Prototype 1 ADC Packaging	21	0%	11-Jul-17	09-Aug-17	11-Jul-17	09-Aug-17	262
FEE10060M	Material for Pre-Prototype 1 ADC Packaging	21	0%	11-Jul-17	09-Aug-17	11-Jul-17	09-Aug-17	262
FEE10065	Milestone: Ship to UT Austin - Packaged ADC Pre-Prototype 1	0	0%		09-Aug-17		09-Aug-17	262
6.04.01.01.02	**LAr FE ADC Pre-Prototype 1 Cycle Test**	169	0%	06-Feb-17	05-Oct-17	06-Feb-17	05-Oct-17	261
02	**Pre-prototype 1 Cycle Test**	169	0%	06-Feb-17	05-Oct-17	06-Feb-17	05-Oct-17	261
FEE10070	Pre-Prototype 1 Irradiation Board Schematics Design	42	0%	06-Feb-17	06-Apr-17	06-Feb-17	06-Apr-17	262
FEE10080	Pre-Prototype 1 Board Schematics Design	42	0%	06-Feb-17	06-Apr-17	06-Feb-17	06-Apr-17	262
FEE10090	Pre-Prototype 1 Irradiation Board Layout Design	42	0%	06-Apr-17	06-Jun-17	06-Apr-17	06-Jun-17	262
FEE10100	Pre-Prototype 1 Board Layout Design	42	0%	06-Apr-17	06-Jun-17	06-Apr-17	06-Jun-17	262
FEE10110	Pre-Prototype 1 Irradiation Board Fabrication	42	0%	06-Jun-17	04-Aug-17	06-Jun-17	04-Aug-17	262
FEE10110M	Material for Pre-Prototype 1 Irradiation Board Fabrication	42	0%	06-Jun-17	04-Aug-17	06-Jun-17	04-Aug-17	262
FEE10120	Pre-Prototype 1 Board Fabrication	42	0%	06-Jun-17	04-Aug-17	06-Jun-17	04-Aug-17	262
FEE10120M	Material for Pre-Prototype 1 Board Fabrication	42	0%	06-Jun-17	04-Aug-17	06-Jun-17	04-Aug-17	262
FEE10130M	Material for Pre-Prototype 1 ADC Evaluation Test	41	0%	04-Aug-17	03-Oct-17	04-Aug-17	03-Oct-17	263
FEE10130T	Travel for Pre-Prototype 1 ADC Evaluation Test	41	0%	04-Aug-17	03-Oct-17	04-Aug-17	03-Oct-17	263
FEE10140M	Material for Pre-Prototype 1 ADC Irradiation Test	41	0%	04-Aug-17	03-Oct-17	04-Aug-17	03-Oct-17	263
FEE10140T	Travel for Pre-Prototype 1 ADC Irradiation Test	41	0%	04-Aug-17	03-Oct-17	04-Aug-17	03-Oct-17	263
FEE10130	Pre-Prototype 1 ADC Evaluation Test	42	0%	04-Aug-17	04-Oct-17	04-Aug-17	04-Oct-17	262
FEE10140	Pre-Prototype 1 ADC Irradiation Test	42	0%	04-Aug-17	04-Oct-17	04-Aug-17	04-Oct-17	262



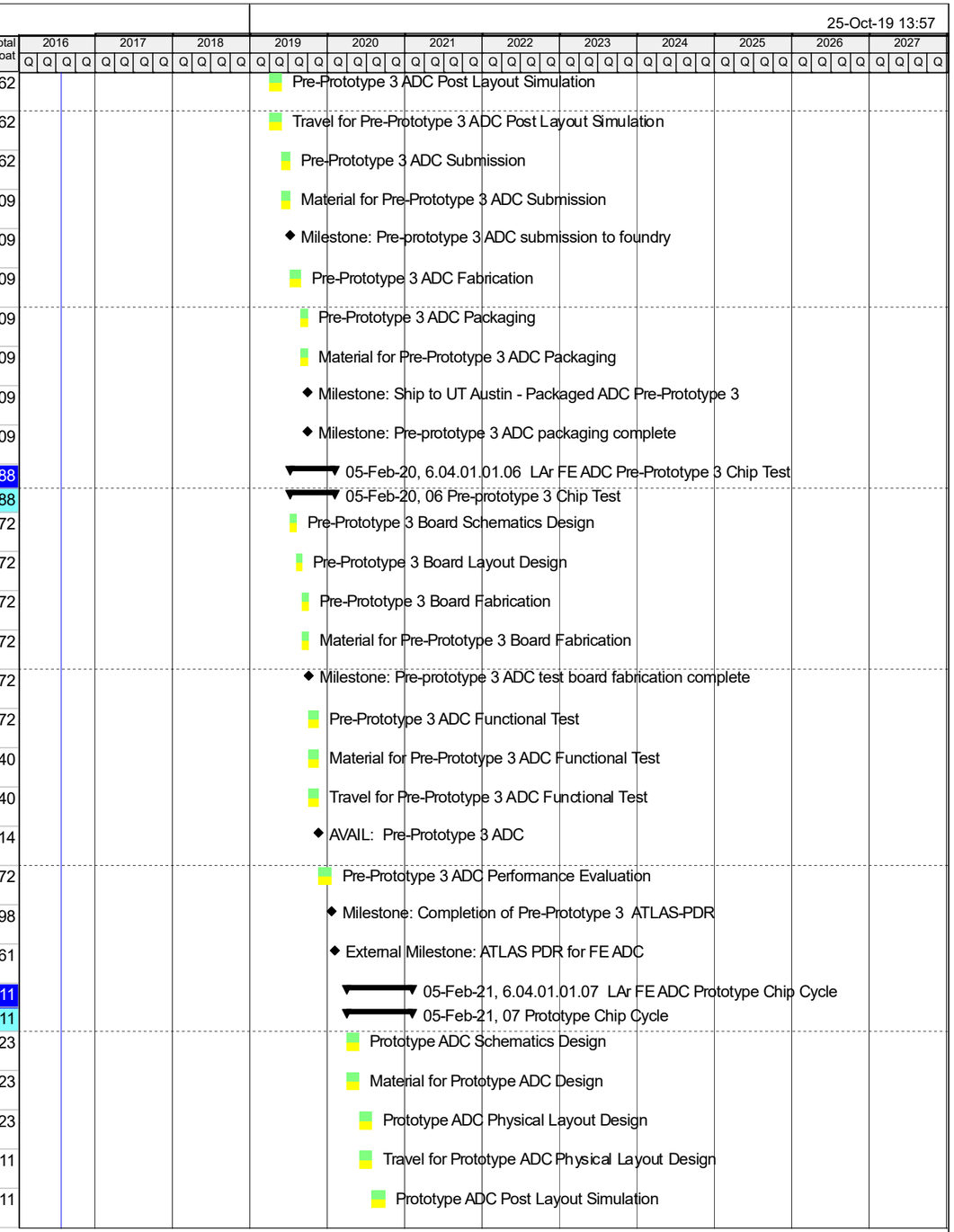
Primary Baseline | Remaining Work | Milestone
Actual Work | Critical Remaining Work | Summary

Activity ID	Activity Name	Duration	% Complete	BL Start	BL Finish	WS Start	WS Finish	Total Float
FEE10150	Milestone: Completion of Pre-Prototype 1	0	0%		05-Oct-17		05-Oct-17	261
6.04.01.01.03 LAr FE ADC Pre-Prototype 2 Chip Cycle		**249**	**0%**	**05-Oct-17**	**01-Oct-18**	**05-Oct-17**	**01-Oct-18**	**384**
03 Pre-prototype 2 Chip Cycle		**249**	**0%**	**05-Oct-17**	**01-Oct-18**	**05-Oct-17**	**01-Oct-18**	**384**
FEE10160	Pre-Prototype 2 ADC Schematics Design	42	0%	05-Oct-17	06-Dec-17	05-Oct-17	06-Dec-17	261
FEE10160M	Material for Pre-Prototype 2 ADC Design	42	0%	05-Oct-17	06-Dec-17	05-Oct-17	06-Dec-17	261
FEE10170T	Travel for Pre-Prototype 2 ADC Physical Layout Design	40	0%	06-Dec-17	02-Feb-18	06-Dec-17	02-Feb-18	263
FEE10170	Pre-Prototype 2 ADC Physical Layout Design	42	0%	06-Dec-17	06-Feb-18	06-Dec-17	06-Feb-18	261
FEE10180	Pre-Prototype 2 ADC Post Layout Simulation	41	0%	06-Feb-18	05-Apr-18	06-Feb-18	05-Apr-18	261
FEE10190	Pre-Prototype 2 ADC Submission	60	0%	05-Apr-18	29-Jun-18	05-Apr-18	29-Jun-18	261
FEE10190M	Material for Pre-Prototype 2 ADC Submission	60	0%	05-Apr-18	29-Jun-18	05-Apr-18	29-Jun-18	261
FEE10200	Pre-Prototype 2 ADC Fabrication	43	0%	29-Jun-18	30-Aug-18	29-Jun-18	30-Aug-18	384
FEE10210	Pre-Prototype 2 ADC Packaging	21	0%	30-Aug-18	01-Oct-18	30-Aug-18	01-Oct-18	384
FEE10210M	Material for Pre-Prototype 2 ADC Packaging	21	0%	30-Aug-18	01-Oct-18	30-Aug-18	01-Oct-18	384
FEE10215	Milestone: Ship to UT Austin Packaged	0	0%		01-Oct-18		01-Oct-18	384
6.04.01.01.04 LAr FE ADC Pre-Prototype 2 Chip Test		**147**	**0%**	**29-Jun-18**	**30-Jan-19**	**29-Jun-18**	**30-Jan-19**	**284**
04 Pre-prototype 2 Chip Test		**147**	**0%**	**29-Jun-18**	**30-Jan-19**	**29-Jun-18**	**30-Jan-19**	**284**
FEE10220	Pre-Prototype 2 Board Schematics Design	21	0%	29-Jun-18	31-Jul-18	29-Jun-18	31-Jul-18	261
FEE10230	Pre-Prototype 2 Board Layout Design	20	0%	31-Jul-18	28-Aug-18	31-Jul-18	28-Aug-18	261
FEE10240	Pre-Prototype 2 Board Fabrication	20	0%	28-Aug-18	26-Sep-18	28-Aug-18	26-Sep-18	261
FEE10240M	Material for Pre-Prototype 2 Board Fabrication	20	0%	28-Aug-18	26-Sep-18	28-Aug-18	26-Sep-18	261
FEE10250M	Material for Pre-Prototype 2 ADC Functional Test	42	0%	26-Sep-18	27-Nov-18	26-Sep-18	27-Nov-18	328
FEE10250T	Travel for Pre-Prototype 2 ADC Functional Test	42	0%	26-Sep-18	27-Nov-18	26-Sep-18	27-Nov-18	328
FEE10250	Pre-Prototype 2 ADC Functional Test	43	0%	26-Sep-18	28-Nov-18	26-Sep-18	28-Nov-18	261
FEE10255A	AVAIL: Pre-Prototype 2 ADC	0	0%		28-Nov-18		28-Nov-18	327
FEE10260	Pre-Prototype 2 ADC Performance Evaluation	43	0%	28-Nov-18	30-Jan-19	28-Nov-18	30-Jan-19	284
FEE10265EX	External Milestone: ATLAS Specification Review	0	0%		30-Jan-19		30-Jan-19	284
6.04.01.01.05 LAr FE ADC Pre-Prototype 3 Chip Cycle		**211**	**0%**	**28-Nov-18**	**27-Sep-19**	**28-Nov-18**	**27-Sep-19**	**309**
05 Pre-prototype 3 Chip Cycle		**211**	**0%**	**28-Nov-18**	**27-Sep-19**	**28-Nov-18**	**27-Sep-19**	**309**
FEE10270M	Material for Pre-Prototype 3 ADC Design	41	0%	28-Nov-18	28-Jan-19	28-Nov-18	28-Jan-19	264
FEE10270	Pre-Prototype 3 ADC Schematics Design	43	0%	28-Nov-18	30-Jan-19	28-Nov-18	30-Jan-19	262
FEE10280	Pre-Prototype 3 ADC Physical Layout Design	42	0%	30-Jan-19	01-Apr-19	30-Jan-19	01-Apr-19	262
FEE10280T	Travel for Pre-Prototype 3 ADC Physical Layout Design	42	0%	30-Jan-19	01-Apr-19	30-Jan-19	01-Apr-19	262



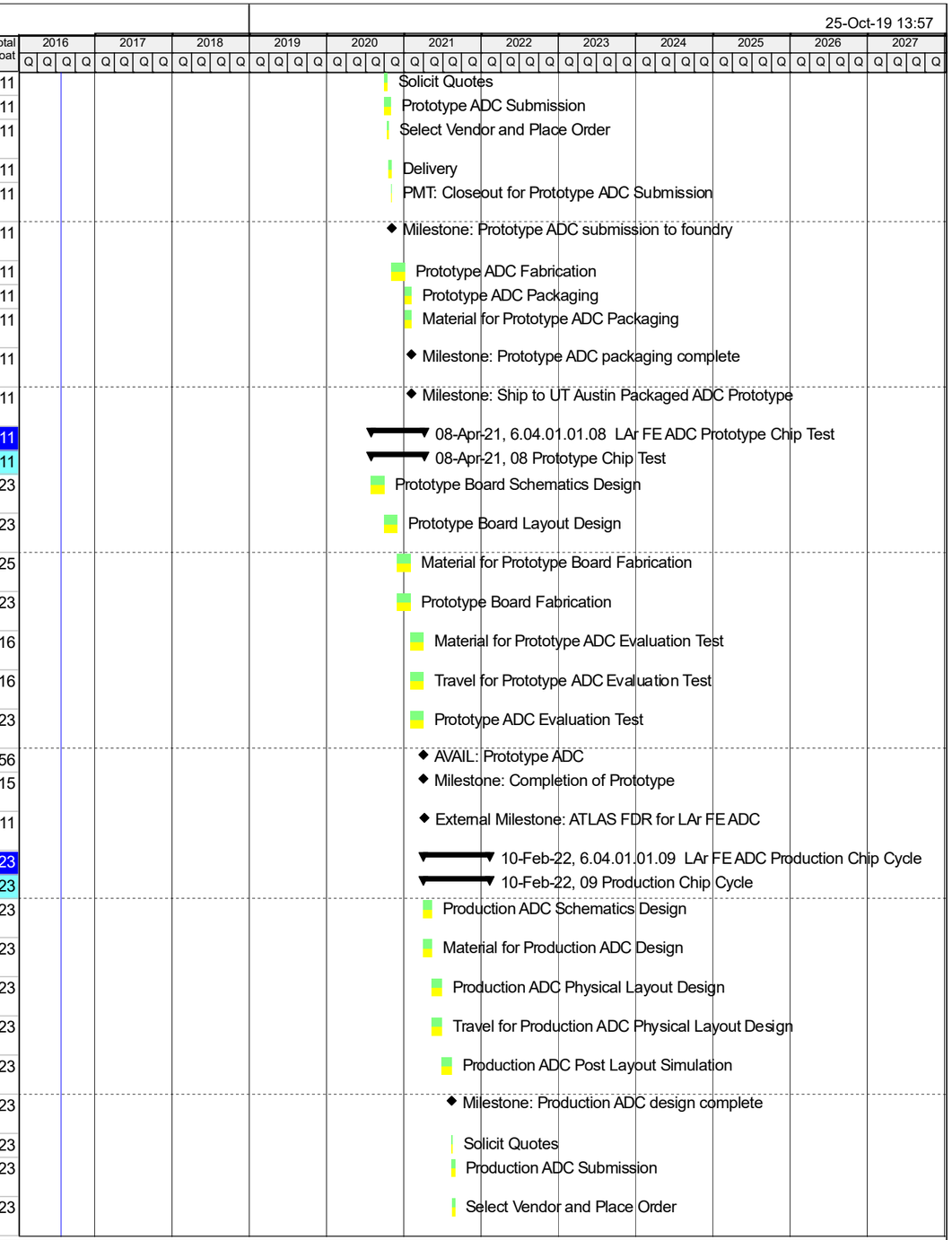
Primary Baseline | Remaining Work | Milestone
Actual Work | Critical Remaining Work | Summary

Activity ID	Activity Name	Duration	% Complete	BL Start	BL Finish	WS Start	WS Finish	Total Float
FEE10290	Pre-Prototype 3 ADC Post Layout Simulation	40	0%	01-Apr-19	28-May-19	01-Apr-19	28-May-19	262
FEE10290T	Travel for Pre-Prototype 3 ADC Post Layout Simulation	40	0%	01-Apr-19	28-May-19	01-Apr-19	28-May-19	262
FEE10300	Pre-Prototype 3 ADC Submission	31	0%	28-May-19	11-Jul-19	28-May-19	11-Jul-19	262
FEE10300M	Material for Pre-Prototype 3 ADC Submission	31	0%	28-May-19	11-Jul-19	28-May-19	11-Jul-19	309
FEE10305	Milestone: Pre-prototype 3 ADC submission to foundry	0	0%		11-Jul-19		11-Jul-19	309
FEE10310	Pre-Prototype 3 ADC Fabrication	33	0%	11-Jul-19	27-Aug-19	11-Jul-19	27-Aug-19	309
FEE10320	Pre-Prototype 3 ADC Packaging	22	0%	27-Aug-19	27-Sep-19	27-Aug-19	27-Sep-19	309
FEE10320M	Material for Pre-Prototype 3 ADC Packaging	22	0%	27-Aug-19	27-Sep-19	27-Aug-19	27-Sep-19	309
FEE10325	Milestone: Ship to UT Austin - Packaged ADC Pre-Prototype 3	0	0%		27-Sep-19		27-Sep-19	309
FEE10330	Milestone: Pre-prototype 3 ADC packaging complete	0	0%		27-Sep-19		27-Sep-19	309
6.04.01.01.06 LAr FE ADC Pre-Prototype 3 Chip Test		**144**	**0%**	**11-Jul-19**	**05-Feb-20**	**11-Jul-19**	**05-Feb-20**	**288**
06 Pre-prototype 3 Chip Test		**144**	**0%**	**11-Jul-19**	**05-Feb-20**	**11-Jul-19**	**05-Feb-20**	**288**
FEE10335	Pre-Prototype 3 Board Schematics Design	20	0%	11-Jul-19	08-Aug-19	11-Jul-19	08-Aug-19	272
FEE10340	Pre-Prototype 3 Board Layout Design	20	0%	08-Aug-19	06-Sep-19	08-Aug-19	06-Sep-19	272
FEE10350	Pre-Prototype 3 Board Fabrication	20	0%	06-Sep-19	04-Oct-19	06-Sep-19	04-Oct-19	272
FEE10350M	Material for Pre-Prototype 3 Board Fabrication	20	0%	06-Sep-19	04-Oct-19	06-Sep-19	04-Oct-19	272
FEE10355	Milestone: Pre-prototype 3 ADC test board fabrication complete	0	0%		04-Oct-19		04-Oct-19	272
FEE10360	Pre-Prototype 3 ADC Functional Test	32	0%	04-Oct-19	20-Nov-19	04-Oct-19	20-Nov-19	272
FEE10360M	Material for Pre-Prototype 3 ADC Functional Test	32	0%	04-Oct-19	20-Nov-19	04-Oct-19	20-Nov-19	340
FEE10360T	Travel for Pre-Prototype 3 ADC Functional Test	32	0%	04-Oct-19	20-Nov-19	04-Oct-19	20-Nov-19	340
FEE10365A	AVAIL: Pre-Prototype 3 ADC	0	0%		20-Nov-19		20-Nov-19	314
FEE10370	Pre-Prototype 3 ADC Performance Evaluation	42	0%	20-Nov-19	22-Jan-20	20-Nov-19	22-Jan-20	272
FEE10375	Milestone: Completion of Pre-Prototype 3 ATLAS-PDR	0	0%		22-Jan-20		22-Jan-20	298
FEE10380EX	External Milestone: ATLAS PDR for FE ADC	0	0%		05-Feb-20		05-Feb-20	261
6.04.01.01.07 LAr FE ADC Prototype Chip Cycle		**216**	**0%**	**01-Apr-20**	**05-Feb-21**	**01-Apr-20**	**05-Feb-21**	**311**
07 Prototype Chip Cycle		**216**	**0%**	**01-Apr-20**	**05-Feb-21**	**01-Apr-20**	**05-Feb-21**	**311**
FEE10385	Prototype ADC Schematics Design	42	0%	01-Apr-20	29-May-20	01-Apr-20	29-May-20	223
FEE10385M	Material for Prototype ADC Design	42	0%	01-Apr-20	29-May-20	01-Apr-20	29-May-20	223
FEE10390	Prototype ADC Physical Layout Design	43	0%	01-Jun-20	30-Jul-20	01-Jun-20	30-Jul-20	223
FEE10390T	Travel for Prototype ADC Physical Layout Design	43	0%	01-Jun-20	30-Jul-20	01-Jun-20	30-Jul-20	311
FEE10400	Prototype ADC Post Layout Simulation	41	0%	31-Jul-20	28-Sep-20	31-Jul-20	28-Sep-20	311



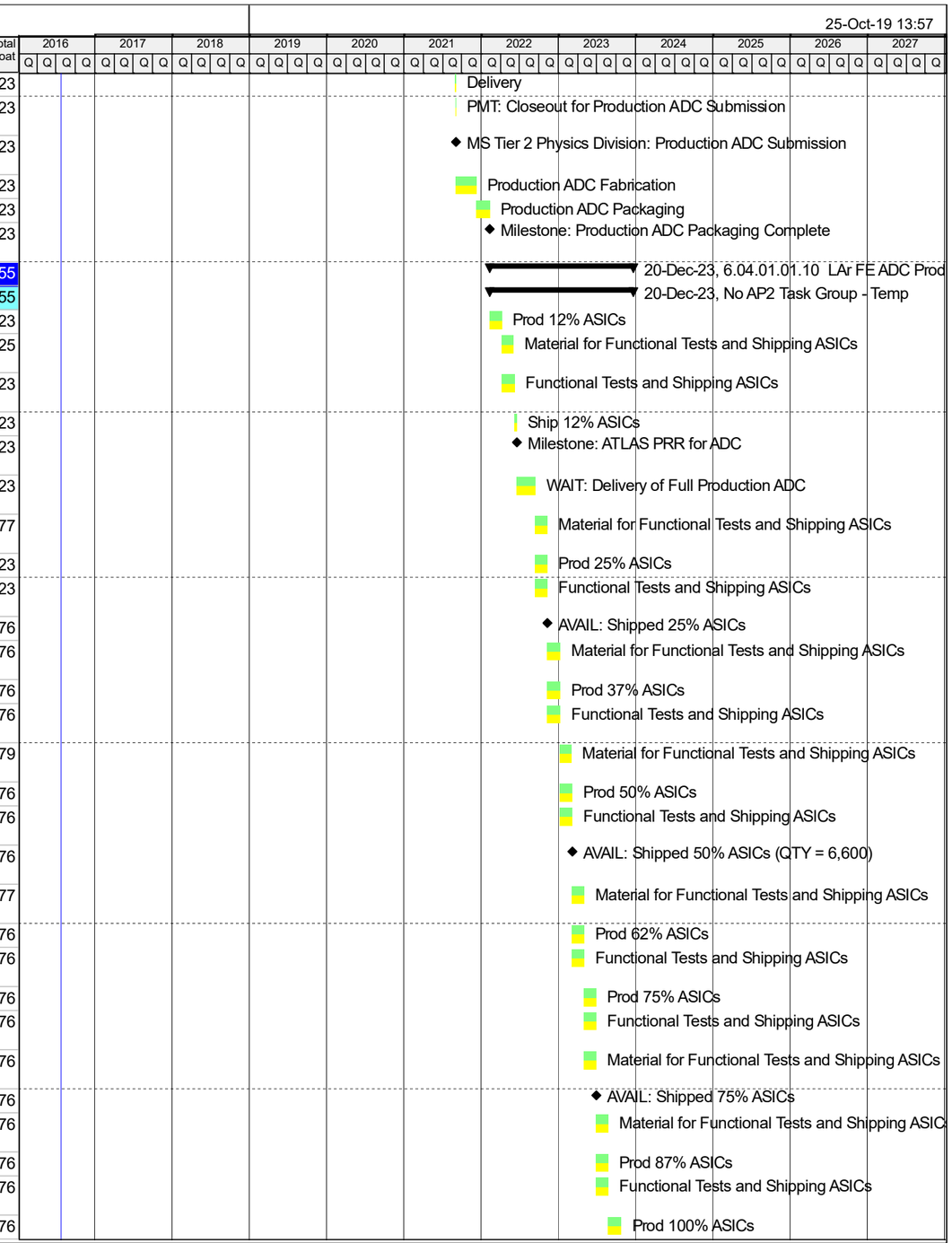
Primary Baseline | Remaining Work | Milestone
Actual Work | Critical Remaining Work | Summary

Activity ID	Activity Name	Duration	% Complete	BL Start	BL Finish	WS Start	WS Finish	Total Float
FEE10410M10	Solicit Quotes	10	0%	28-Sep-20	13-Oct-20	28-Sep-20	13-Oct-20	311
FEE10410	Prototype ADC Submission	22	0%	28-Sep-20	29-Oct-20	28-Sep-20	29-Oct-20	311
FEE10410M20	Select Vendor and Place Order	5	0%	13-Oct-20	20-Oct-20	13-Oct-20	20-Oct-20	311
FEE10410M30	Delivery	10	0%	20-Oct-20	03-Nov-20	20-Oct-20	03-Nov-20	311
FEE10410M40	PMT: Closeout for Prototype ADC Submission	1	0%	03-Nov-20	04-Nov-20	03-Nov-20	04-Nov-20	311
FEE10415	Milestone: Prototype ADC submission to foundry	0	0%		04-Nov-20		04-Nov-20	311
FEE10420	Prototype ADC Fabrication	42	0%	04-Nov-20	06-Jan-21	04-Nov-20	06-Jan-21	311
FEE10430	Prototype ADC Packaging	22	0%	06-Jan-21	05-Feb-21	06-Jan-21	05-Feb-21	311
FEE10430M	Material for Prototype ADC Packaging	22	0%	06-Jan-21	05-Feb-21	06-Jan-21	05-Feb-21	311
FEE10435	Milestone: Prototype ADC packaging complete	0	0%		05-Feb-21		05-Feb-21	311
FEE10440	Milestone: Ship to UT Austin Packaged ADC Prototype	0	0%		05-Feb-21		05-Feb-21	311
6.04.01.01.08 LAr FE ADC Prototype Chip Test		**174**	**0%**	**31-Jul-20**	**08-Apr-21**	**31-Jul-20**	**08-Apr-21**	**311**
08 Prototype Chip Test		**174**	**0%**	**31-Jul-20**	**08-Apr-21**	**31-Jul-20**	**08-Apr-21**	**311**
FEE10445	Prototype Board Schematics Design	41	0%	31-Jul-20	28-Sep-20	31-Jul-20	28-Sep-20	223
FEE10450	Prototype Board Layout Design	42	0%	28-Sep-20	27-Nov-20	28-Sep-20	27-Nov-20	223
FEE10460M	Material for Prototype Board Fabrication	42	0%	27-Nov-20	28-Jan-21	27-Nov-20	28-Jan-21	225
FEE10460	Prototype Board Fabrication	44	0%	27-Nov-20	01-Feb-21	27-Nov-20	01-Feb-21	223
FEE10470M	Material for Prototype ADC Evaluation Test	42	0%	01-Feb-21	01-Apr-21	01-Feb-21	01-Apr-21	316
FEE10470T	Travel for Prototype ADC Evaluation Test	42	0%	01-Feb-21	01-Apr-21	01-Feb-21	01-Apr-21	316
FEE10470	Prototype ADC Evaluation Test	43	0%	01-Feb-21	02-Apr-21	01-Feb-21	02-Apr-21	223
FEE10475A	AVAIL: Prototype ADC	0	0%		02-Apr-21		02-Apr-21	256
FEE10480	Milestone: Completion of Prototype	0	0%		02-Apr-21		02-Apr-21	315
FEE10485EX	External Milestone: ATLAS FDR for LAr FE ADC	0	0%		08-Apr-21		08-Apr-21	311
6.04.01.01.09 LAr FE ADC Production Chip Cycle		**217**	**0%**	**02-Apr-21**	**10-Feb-22**	**02-Apr-21**	**10-Feb-22**	**223**
09 Production Chip Cycle		**217**	**0%**	**02-Apr-21**	**10-Feb-22**	**02-Apr-21**	**10-Feb-22**	**223**
FEE10490	Production ADC Schematics Design	30	0%	02-Apr-21	14-May-21	02-Apr-21	14-May-21	223
FEE10490M	Material for Production ADC Design	30	0%	02-Apr-21	14-May-21	02-Apr-21	14-May-21	223
FEE10500	Production ADC Physical Layout Design	32	0%	14-May-21	30-Jun-21	14-May-21	30-Jun-21	223
FEE10500T	Travel for Production ADC Physical Layout Design	32	0%	14-May-21	30-Jun-21	14-May-21	30-Jun-21	223
FEE10510	Production ADC Post Layout Simulation	30	0%	30-Jun-21	12-Aug-21	30-Jun-21	12-Aug-21	223
FEE10515	Milestone: Production ADC design complete	0	0%		12-Aug-21		12-Aug-21	223
FEE10520M10	Solicit Quotes	5	0%	12-Aug-21	19-Aug-21	12-Aug-21	19-Aug-21	223
FEE10520	Production ADC Submission	10	0%	12-Aug-21	26-Aug-21	12-Aug-21	26-Aug-21	223
FEE10520M20	Select Vendor and Place Order	5	0%	19-Aug-21	26-Aug-21	19-Aug-21	26-Aug-21	223



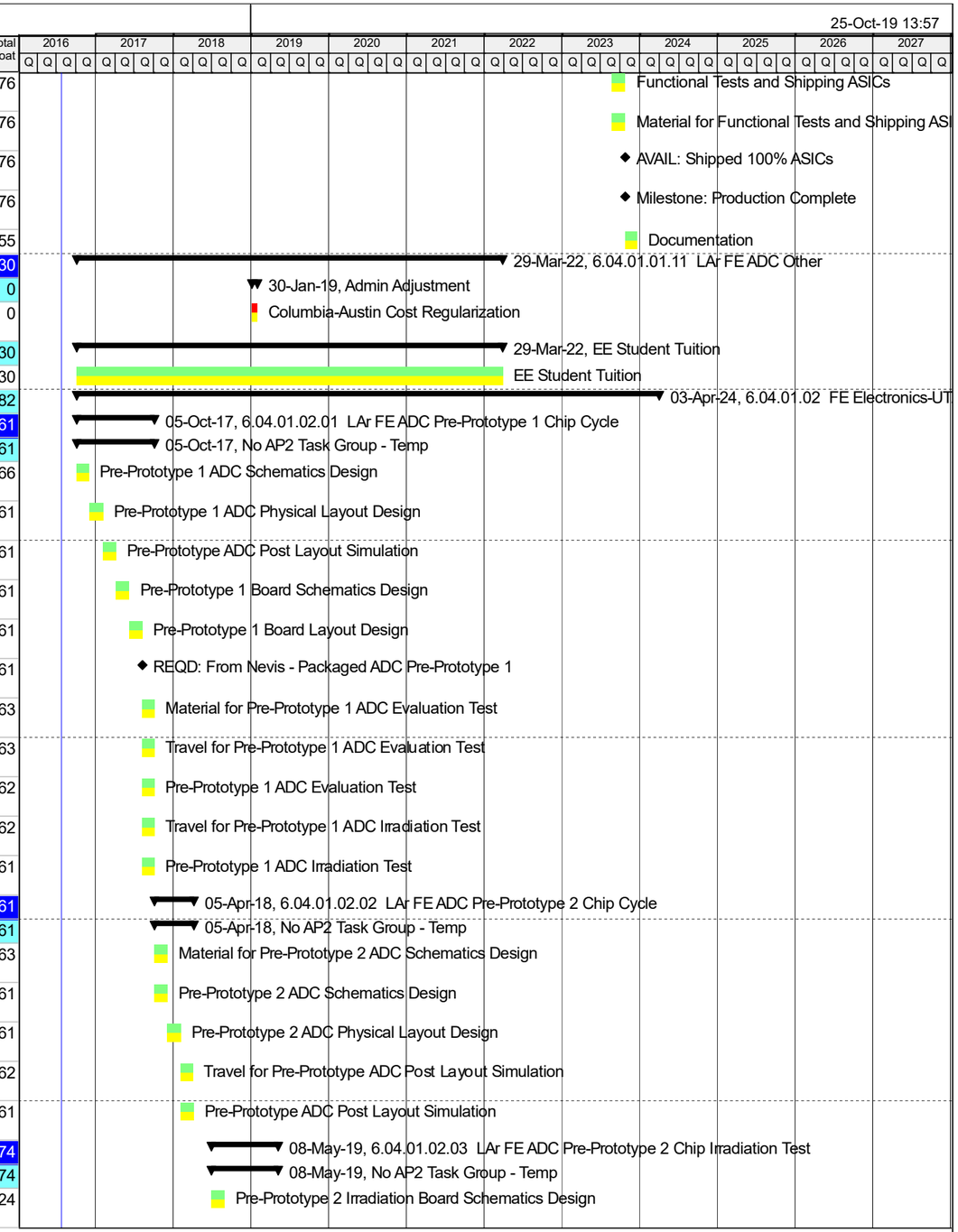
Primary Baseline | Remaining Work | Milestone
Actual Work | Critical Remaining Work | Summary

Activity ID	Activity Name	Duration	% Complete	BL Start	BL Finish	WS Start	WS Finish	Total Float
FEE10520M30	Delivery	5	0%	26-Aug-21	02-Sep-21	26-Aug-21	02-Sep-21	223
FEE10520M40	PMT: Closeout for Production ADC Submission	1	0%	02-Sep-21	03-Sep-21	02-Sep-21	03-Sep-21	223
FEE10525	MS Tier 2 Physics Division: Production ADC Submission	0	0%		03-Sep-21		03-Sep-21	223
FEE10530	Production ADC Fabrication	65	0%	03-Sep-21	08-Dec-21	03-Sep-21	08-Dec-21	223
FEE10535	Production ADC Packaging	44	0%	08-Dec-21	10-Feb-22	08-Dec-21	10-Feb-22	223
FEE10540	Milestone: Production ADC Packaging Complete	0	0%		10-Feb-22		10-Feb-22	223
6.04.01.01.10 LAr FE ADC Production		**470**	**0%**	**10-Feb-22**	**20-Dec-23**	**10-Feb-22**	**20-Dec-23**	**455**
No AP2 Task Group - Temp		**470**	**0%**	**10-Feb-22**	**20-Dec-23**	**10-Feb-22**	**20-Dec-23**	**455**
FEE10545	Prod 12% ASICs	40	0%	10-Feb-22	08-Apr-22	10-Feb-22	08-Apr-22	223
FEE10550M	Material for Functional Tests and Shipping ASICs	38	0%	08-Apr-22	02-Jun-22	08-Apr-22	02-Jun-22	225
FEE10550	Functional Tests and Shipping ASICs	40	0%	08-Apr-22	06-Jun-22	08-Apr-22	06-Jun-22	223
FEE10560	Ship 12% ASICs	10	0%	06-Jun-22	20-Jun-22	06-Jun-22	20-Jun-22	223
FEE10565	Milestone: ATLAS PRR for ADC	0	0%		20-Jun-22		20-Jun-22	223
FEE10570	WAIT: Delivery of Full Production ADC	60	0%	20-Jun-22	14-Sep-22	20-Jun-22	14-Sep-22	223
FEE10580M	Material for Functional Tests and Shipping ASICs	39	0%	14-Sep-22	09-Nov-22	14-Sep-22	09-Nov-22	277
FEE10575	Prod 25% ASICs	40	0%	14-Sep-22	10-Nov-22	14-Sep-22	10-Nov-22	223
FEE10580	Functional Tests and Shipping ASICs	40	0%	14-Sep-22	10-Nov-22	14-Sep-22	10-Nov-22	223
FEE10590A	AVAIL: Shipped 25% ASICs	0	0%		10-Nov-22		10-Nov-22	276
FEE10610M	Material for Functional Tests and Shipping ASICs	39	0%	10-Nov-22	09-Jan-23	10-Nov-22	09-Jan-23	276
FEE10600	Prod 37% ASICs	40	0%	10-Nov-22	10-Jan-23	10-Nov-22	10-Jan-23	276
FEE10610	Functional Tests and Shipping ASICs	40	0%	10-Nov-22	10-Jan-23	10-Nov-22	10-Jan-23	276
FEE10640M	Material for Functional Tests and Shipping ASICs	37	0%	10-Jan-23	03-Mar-23	10-Jan-23	03-Mar-23	279
FEE10630	Prod 50% ASICs	40	0%	10-Jan-23	08-Mar-23	10-Jan-23	08-Mar-23	276
FEE10640	Functional Tests and Shipping ASICs	40	0%	10-Jan-23	08-Mar-23	10-Jan-23	08-Mar-23	276
FEE10650A	AVAIL: Shipped 50% ASICs (QTY = 6,600)	0	0%		08-Mar-23		08-Mar-23	276
FEE10670M	Material for Functional Tests and Shipping ASICs	39	0%	08-Mar-23	02-May-23	08-Mar-23	02-May-23	277
FEE10660	Prod 62% ASICs	40	0%	08-Mar-23	03-May-23	08-Mar-23	03-May-23	276
FEE10670	Functional Tests and Shipping ASICs	40	0%	08-Mar-23	03-May-23	08-Mar-23	03-May-23	276
FEE10690	Prod 75% ASICs	40	0%	03-May-23	29-Jun-23	03-May-23	29-Jun-23	276
FEE10700	Functional Tests and Shipping ASICs	40	0%	03-May-23	29-Jun-23	03-May-23	29-Jun-23	276
FEE10700M	Material for Functional Tests and Shipping ASICs	40	0%	03-May-23	29-Jun-23	03-May-23	29-Jun-23	276
FEE10710A	AVAIL: Shipped 75% ASICs	0	0%		29-Jun-23		29-Jun-23	276
FEE10730M	Material for Functional Tests and Shipping ASICs	39	0%	29-Jun-23	24-Aug-23	29-Jun-23	24-Aug-23	276
FEE10720	Prod 87% ASICs	40	0%	29-Jun-23	25-Aug-23	29-Jun-23	25-Aug-23	276
FEE10730	Functional Tests and Shipping ASICs	40	0%	29-Jun-23	25-Aug-23	29-Jun-23	25-Aug-23	276
FEE10750	Prod 100% ASICs	40	0%	25-Aug-23	24-Oct-23	25-Aug-23	24-Oct-23	276



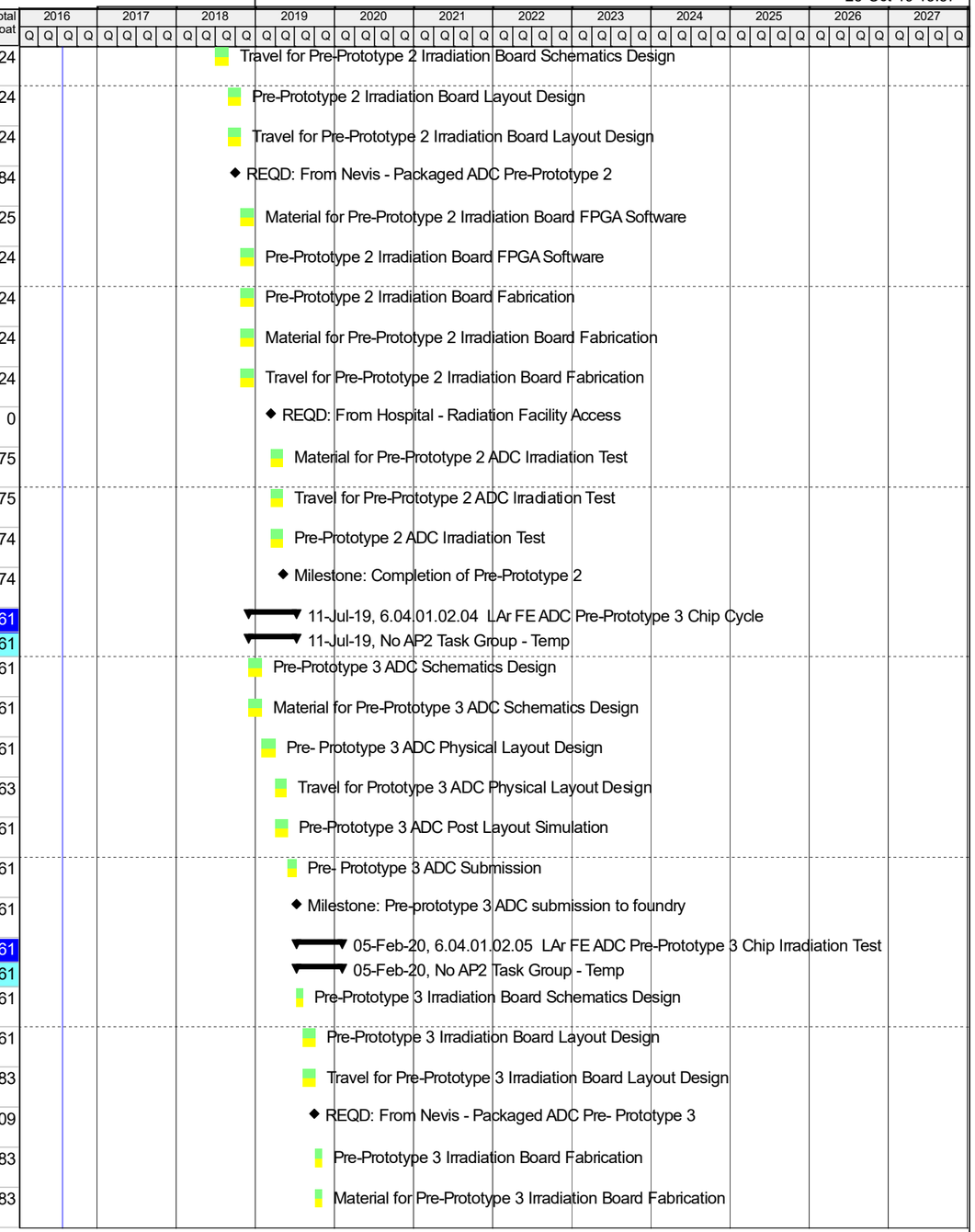
Primary Baseline | Remaining Work | Milestone
Actual Work | Critical Remaining Work | Summary

Activity ID	Activity Name	Duration	% Complete	BL Start	BL Finish	WS Start	WS Finish	Total Float
FEE10760	Functional Tests and Shipping ASICs	40	0%	25-Aug-23	24-Oct-23	25-Aug-23	24-Oct-23	276
FEE10760M	Material for Functional Tests and Shipping ASICs	40	0%	25-Aug-23	24-Oct-23	25-Aug-23	24-Oct-23	276
FEE10770A	AVAIL: Shipped 100% ASICs	0	0%		24-Oct-23		24-Oct-23	276
FEE10780	Milestone: Production Complete	0	0%		24-Oct-23		24-Oct-23	276
FEE10790	Documentation	40	0%	24-Oct-23	20-Dec-23	24-Oct-23	20-Dec-23	455
6.04.01.01.11 LAr FE ADC Other		**1387**	**0%**	**03-Oct-16**	**29-Mar-22**	**03-Oct-16**	**29-Mar-22**	**130**
Admin Adjustment		**20**	**0%**	**03-Jan-19**	**30-Jan-19**	**03-Jan-19**	**30-Jan-19**	**0**
FEE10890M	Columbia-Austin Cost Regularization	20	0%	03-Jan-19	30-Jan-19	03-Jan-19	30-Jan-19*	0
EE Student Tuition		**1387**	**0%**	**03-Oct-16**	**29-Mar-22**	**03-Oct-16**	**29-Mar-22**	**130**
FEE10900M	EE Student Tuition	1387	0%	03-Oct-16	29-Mar-22	03-Oct-16	29-Mar-22	130
6.04.01.02 FE Electronics-UTAustin		**1897**	**0%**	**03-Oct-16**	**03-Apr-24**	**03-Oct-16**	**03-Apr-24**	**382**
6.04.01.02.01 LAr FE ADC Pre-Prototype 1 Chip Cycle		**256**	**0%**	**03-Oct-16**	**05-Oct-17**	**03-Oct-16**	**05-Oct-17**	**261**
No AP2 Task Group - Temp		**256**	**0%**	**03-Oct-16**	**05-Oct-17**	**03-Oct-16**	**05-Oct-17**	**261**
FEE20010	Pre-Prototype 1 ADC Schematics Design	43	0%	03-Oct-16	02-Dec-16	03-Oct-16	02-Dec-16	166
FEE20020	Pre-Prototype 1 ADC Physical Layout Design	44	0%	05-Dec-16	06-Feb-17	05-Dec-16	06-Feb-17	261
FEE20030	Pre-Prototype ADC Post Layout Simulation	43	0%	06-Feb-17	07-Apr-17	06-Feb-17	07-Apr-17	261
FEE20040	Pre-Prototype 1 Board Schematics Design	43	0%	07-Apr-17	08-Jun-17	07-Apr-17	08-Jun-17	261
FEE20050	Pre-Prototype 1 Board Layout Design	44	0%	08-Jun-17	10-Aug-17	08-Jun-17	10-Aug-17	261
FEE20080R	REQD: From Nevis - Packaged ADC Pre-Prototype 1	0	0%	10-Aug-17		10-Aug-17		261
FEE20100M	Material for Pre-Prototype 1 ADC Evaluation Test	37	0%	10-Aug-17	03-Oct-17	10-Aug-17	03-Oct-17	263
FEE20110T	Travel for Pre-Prototype 1 ADC Evaluation Test	37	0%	10-Aug-17	03-Oct-17	10-Aug-17	03-Oct-17	263
FEE20090	Pre-Prototype 1 ADC Evaluation Test	38	0%	10-Aug-17	04-Oct-17	10-Aug-17	04-Oct-17	262
FEE20115T	Travel for Pre-Prototype 1 ADC Irradiation Test	38	0%	10-Aug-17	04-Oct-17	10-Aug-17	04-Oct-17	262
FEE20115	Pre-Prototype 1 ADC Irradiation Test	39	0%	10-Aug-17	05-Oct-17	10-Aug-17	05-Oct-17	261
6.04.01.02.02 LAr FE ADC Pre-Prototype 2 Chip Cycle		**125**	**0%**	**05-Oct-17**	**05-Apr-18**	**05-Oct-17**	**05-Apr-18**	**261**
No AP2 Task Group - Temp		**125**	**0%**	**05-Oct-17**	**05-Apr-18**	**05-Oct-17**	**05-Apr-18**	**261**
FEE20120M	Material for Pre-Prototype 2 ADC Schematics Design	40	0%	05-Oct-17	04-Dec-17	05-Oct-17	04-Dec-17	263
FEE20120	Pre-Prototype 2 ADC Schematics Design	42	0%	05-Oct-17	06-Dec-17	05-Oct-17	06-Dec-17	261
FEE20130	Pre-Prototype 2 ADC Physical Layout Design	42	0%	06-Dec-17	06-Feb-18	06-Dec-17	06-Feb-18	261
FEE20140T	Travel for Pre-Prototype ADC Post Layout Simulation	40	0%	06-Feb-18	04-Apr-18	06-Feb-18	04-Apr-18	262
FEE20140	Pre-Prototype ADC Post Layout Simulation	41	0%	06-Feb-18	05-Apr-18	06-Feb-18	05-Apr-18	261
6.04.01.02.03 LAr FE ADC Pre-Prototype 2 Chip Irradiation Test		**216**	**0%**	**29-Jun-18**	**08-May-19**	**29-Jun-18**	**08-May-19**	**274**
No AP2 Task Group - Temp		**216**	**0%**	**29-Jun-18**	**08-May-19**	**29-Jun-18**	**08-May-19**	**274**
FEE20150	Pre-Prototype 2 Irradiation Board Schematics Design	41	0%	29-Jun-18	28-Aug-18	29-Jun-18	28-Aug-18	324



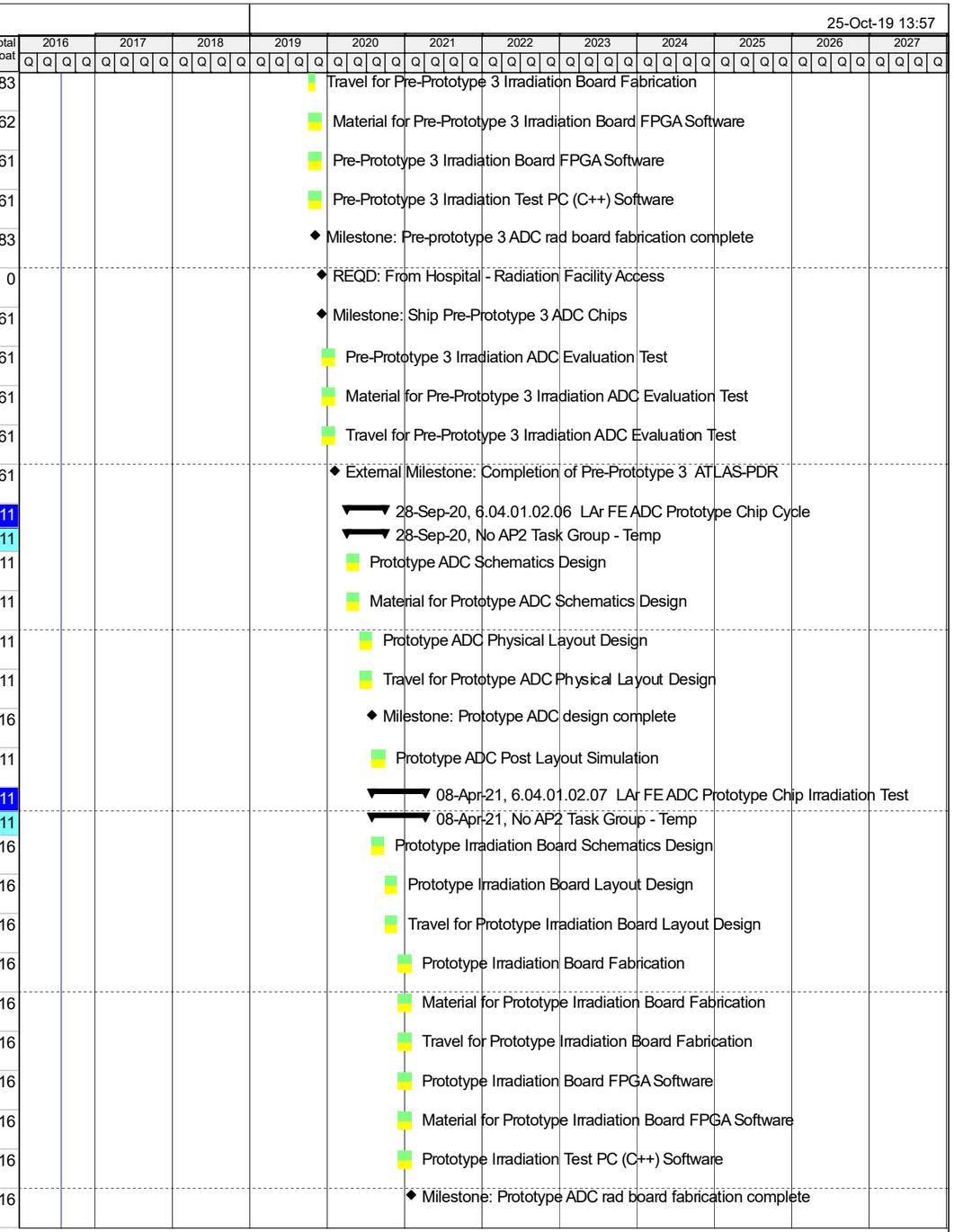
Primary Baseline | Remaining Work | Milestone
Actual Work | Critical Remaining Work | Summary

Activity ID	Activity Name	Duration	% Complete	BL Start	BL Finish	WS Start	WS Finish	Total Float
FEE20150T	Travel for Pre-Prototype 2 Irradiation Board Schematics Design	41	0%	29-Jun-18	28-Aug-18	29-Jun-18	28-Aug-18	324
FEE20160	Pre-Prototype 2 Irradiation Board Layout Design	41	0%	28-Aug-18	26-Oct-18	28-Aug-18	26-Oct-18	324
FEE20160T	Travel for Pre-Prototype 2 Irradiation Board Layout Design	41	0%	28-Aug-18	26-Oct-18	28-Aug-18	26-Oct-18	324
FEE20190R	REQD: From Nevis - Packaged ADC Pre-Prototype 2	0	0%	01-Oct-18		01-Oct-18		384
FEE20180M	Material for Pre-Prototype 2 Irradiation Board FPGA Software	41	0%	26-Oct-18	26-Dec-18	26-Oct-18	26-Dec-18	325
FEE20180	Pre-Prototype 2 Irradiation Board FPGA Software	42	0%	26-Oct-18	27-Dec-18	26-Oct-18	27-Dec-18	324
FEE20170	Pre-Prototype 2 Irradiation Board Fabrication	42	0%	26-Oct-18	27-Dec-18	26-Oct-18	27-Dec-18	324
FEE20170M	Material for Pre-Prototype 2 Irradiation Board Fabrication	42	0%	26-Oct-18	27-Dec-18	26-Oct-18	27-Dec-18	324
FEE20170T	Travel for Pre-Prototype 2 Irradiation Board Fabrication	42	0%	26-Oct-18	27-Dec-18	26-Oct-18	27-Dec-18	324
FEE20200R	REQD: From Hospital - Radiation Facility Access	0	0%	11-Mar-19		11-Mar-19*		0
FEE20210M	Material for Pre-Prototype 2 ADC Irradiation Test	42	0%	11-Mar-19	07-May-19	11-Mar-19	07-May-19	275
FEE20210T	Travel for Pre-Prototype 2 ADC Irradiation Test	42	0%	11-Mar-19	07-May-19	11-Mar-19	07-May-19	275
FEE20210	Pre-Prototype 2 ADC Irradiation Test	43	0%	11-Mar-19	08-May-19	11-Mar-19	08-May-19	274
FEE20220	Milestone: Completion of Pre-Prototype 2	0	0%		08-May-19		08-May-19	274
6.04.01.02.04	**LAr FE ADC Pre-Prototype 3 Chip Cycle**	156	0%	28-Nov-18	11-Jul-19	28-Nov-18	11-Jul-19	261
No AP2 Task Group - Temp		156	0%	28-Nov-18	11-Jul-19	28-Nov-18	11-Jul-19	261
FEE20250	Pre-Prototype 3 ADC Schematics Design	43	0%	28-Nov-18	30-Jan-19	28-Nov-18	30-Jan-19	261
FEE20250M	Material for Pre-Prototype 3 ADC Schematics Design	43	0%	28-Nov-18	30-Jan-19	28-Nov-18	30-Jan-19	261
FEE20260	Pre- Prototype 3 ADC Physical Layout Design	42	0%	30-Jan-19	01-Apr-19	30-Jan-19	01-Apr-19	261
FEE20270T	Travel for Prototype 3 ADC Physical Layout Design	39	0%	01-Apr-19	24-May-19	01-Apr-19	24-May-19	263
FEE20270	Pre-Prototype 3 ADC Post Layout Simulation	40	0%	01-Apr-19	28-May-19	01-Apr-19	28-May-19	261
FEE20275	Pre- Prototype 3 ADC Submission	31	0%	28-May-19	11-Jul-19	28-May-19	11-Jul-19	261
FEE20280	Milestone: Pre-prototype 3 ADC submission to foundry	0	0%		11-Jul-19		11-Jul-19	261
6.04.01.02.05	**LAr FE ADC Pre-Prototype 3 Chip Irradiation Test**	144	0%	11-Jul-19	05-Feb-20	11-Jul-19	05-Feb-20	261
No AP2 Task Group - Temp		144	0%	11-Jul-19	05-Feb-20	11-Jul-19	05-Feb-20	261
FEE20290	Pre-Prototype 3 Irradiation Board Schematics Design	20	0%	11-Jul-19	08-Aug-19	11-Jul-19	08-Aug-19	261
FEE20300	Pre-Prototype 3 Irradiation Board Layout Design	40	0%	08-Aug-19	04-Oct-19	08-Aug-19	04-Oct-19	261
FEE20300T	Travel for Pre-Prototype 3 Irradiation Board Layout Design	40	0%	08-Aug-19	04-Oct-19	08-Aug-19	04-Oct-19	283
FEE20325R	REQD: From Nevis - Packaged ADC Pre- Prototype 3	0	0%	27-Sep-19		27-Sep-19		309
FEE20310	Pre-Prototype 3 Irradiation Board Fabrication	20	0%	04-Oct-19	04-Nov-19	04-Oct-19	04-Nov-19	283
FEE20310M	Material for Pre-Prototype 3 Irradiation Board Fabrication	20	0%	04-Oct-19	04-Nov-19	04-Oct-19	04-Nov-19	283



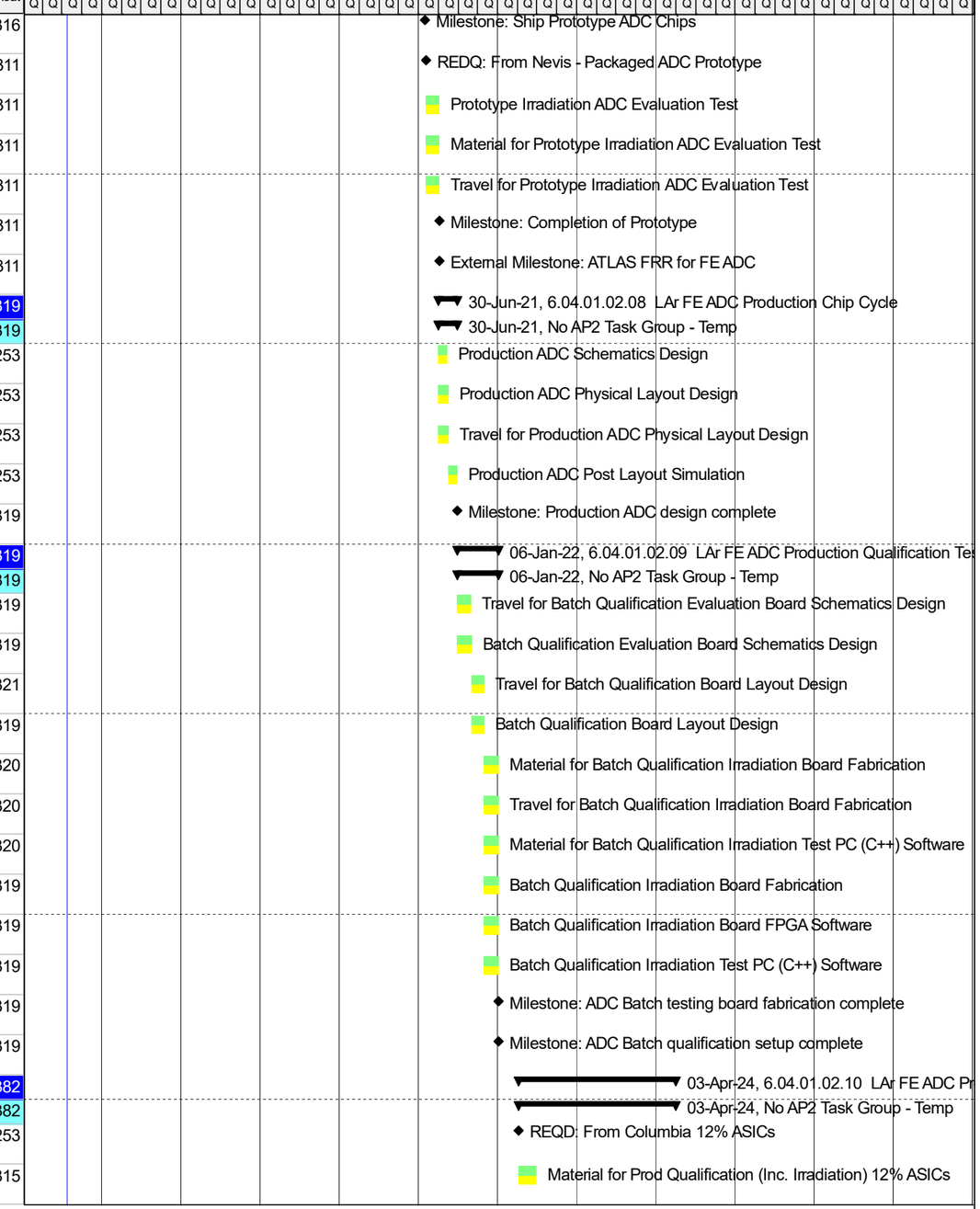
Primary Baseline | Remaining Work | Milestone
Actual Work | Critical Remaining Work | Summary

Activity ID	Activity Name	Duration	% Complete	BL Start	BL Finish	WS Start	WS Finish	Total Float
FEE20310T	Travel for Pre-Prototype 3 Irradiation Board Fabrication	20	0%	04-Oct-19	04-Nov-19	04-Oct-19	04-Nov-19	283
FEE20320M	Material for Pre-Prototype 3 Irradiation Board FPGA Software	41	0%	04-Oct-19	04-Dec-19	04-Oct-19	04-Dec-19	262
FEE20320	Pre-Prototype 3 Irradiation Board FPGA Software	42	0%	04-Oct-19	05-Dec-19	04-Oct-19	05-Dec-19	261
FEE20330	Pre-Prototype 3 Irradiation Test PC (C++) Software	42	0%	04-Oct-19	05-Dec-19	04-Oct-19	05-Dec-19	261
FEE20315	Milestone: Pre-prototype 3 ADC rad board fabrication complete	0	0%		04-Nov-19		04-Nov-19	283
FEE20345R	REQD: From Hospital - Radiation Facility Access	0	0%	05-Dec-19		05-Dec-19*		0
FEE20340	Milestone: Ship Pre-Prototype 3 ADC Chips	0	0%		05-Dec-19		05-Dec-19	261
FEE20350	Pre-Prototype 3 Irradiation ADC Evaluation Test	42	0%	05-Dec-19	05-Feb-20	05-Dec-19	05-Feb-20	261
FEE20350M	Material for Pre-Prototype 3 Irradiation ADC Evaluation Test	42	0%	05-Dec-19	05-Feb-20	05-Dec-19	05-Feb-20	261
FEE20350T	Travel for Pre-Prototype 3 Irradiation ADC Evaluation Test	42	0%	05-Dec-19	05-Feb-20	05-Dec-19	05-Feb-20	261
FEE20360EX	External Milestone: Completion of Pre-Prototype 3 ATLAS-PDR	0	0%		05-Feb-20		05-Feb-20	261
6.04.01.02.06 LAr FE ADC Prototype Chip Cycle		**126**	**0%**	**01-Apr-20**	**28-Sep-20**	**01-Apr-20**	**28-Sep-20**	**311**
No AP2 Task Group - Temp		**126**	**0%**	**01-Apr-20**	**28-Sep-20**	**01-Apr-20**	**28-Sep-20**	**311**
FEE20410	Prototype ADC Schematics Design	42	0%	01-Apr-20	29-May-20	01-Apr-20	29-May-20	311
FEE20410M	Material for Prototype ADC Schematics Design	42	0%	01-Apr-20	29-May-20	01-Apr-20	29-May-20	311
FEE20420	Prototype ADC Physical Layout Design	43	0%	01-Jun-20	30-Jul-20	01-Jun-20	30-Jul-20	311
FEE20420T	Travel for Prototype ADC Physical Layout Design	43	0%	01-Jun-20	30-Jul-20	01-Jun-20	30-Jul-20	311
FEE20440	Milestone: Prototype ADC design complete	0	0%		30-Jul-20		30-Jul-20	316
FEE20430	Prototype ADC Post Layout Simulation	41	0%	31-Jul-20	28-Sep-20	31-Jul-20	28-Sep-20	311
6.04.01.02.07 LAr FE ADC Prototype Chip Irradiation Test		**174**	**0%**	**31-Jul-20**	**08-Apr-21**	**31-Jul-20**	**08-Apr-21**	**311**
No AP2 Task Group - Temp		**174**	**0%**	**31-Jul-20**	**08-Apr-21**	**31-Jul-20**	**08-Apr-21**	**311**
FEE20500	Prototype Irradiation Board Schematics Design	40	0%	31-Jul-20	25-Sep-20	31-Jul-20	25-Sep-20	316
FEE20510	Prototype Irradiation Board Layout Design	42	0%	28-Sep-20	25-Nov-20	28-Sep-20	25-Nov-20	316
FEE20510T	Travel for Prototype Irradiation Board Layout Design	42	0%	28-Sep-20	25-Nov-20	28-Sep-20	25-Nov-20	316
FEE20520	Prototype Irradiation Board Fabrication	44	0%	27-Nov-20	29-Jan-21	27-Nov-20	29-Jan-21	316
FEE20520M	Material for Prototype Irradiation Board Fabrication	44	0%	27-Nov-20	29-Jan-21	27-Nov-20	29-Jan-21	316
FEE20520T	Travel for Prototype Irradiation Board Fabrication	44	0%	27-Nov-20	29-Jan-21	27-Nov-20	29-Jan-21	316
FEE20540	Prototype Irradiation Board FPGA Software	44	0%	27-Nov-20	29-Jan-21	27-Nov-20	29-Jan-21	316
FEE20540M	Material for Prototype Irradiation Board FPGA Software	44	0%	27-Nov-20	29-Jan-21	27-Nov-20	29-Jan-21	316
FEE20560	Prototype Irradiation Test PC (C++) Software	44	0%	27-Nov-20	29-Jan-21	27-Nov-20	29-Jan-21	316
FEE20530	Milestone: Prototype ADC rad board fabrication complete	0	0%		29-Jan-21		29-Jan-21	316



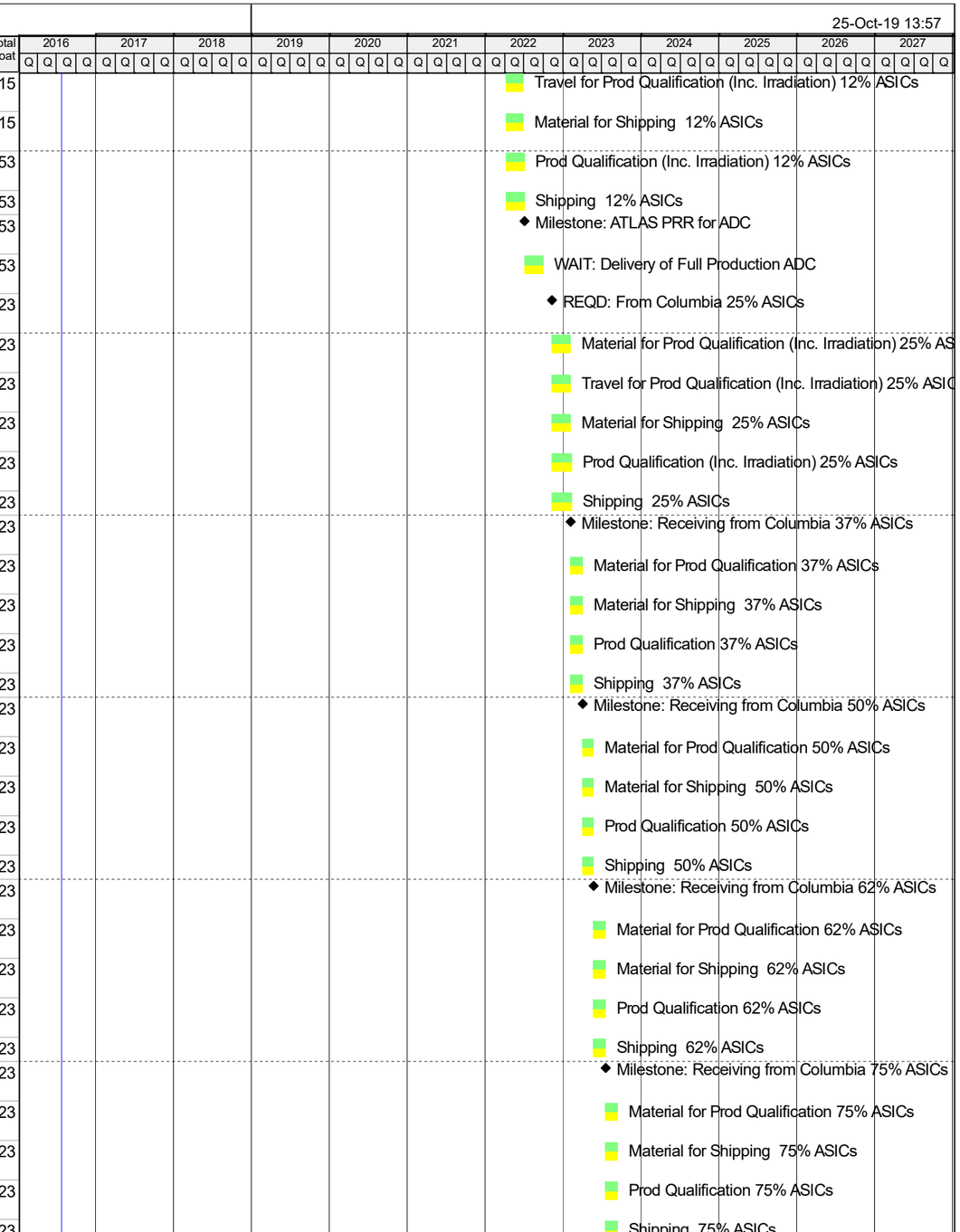
Primary Baseline | Remaining Work | Milestone
Actual Work | Critical Remaining Work | Summary

Activity ID	Activity Name	Duration	% Complete	BL Start	BL Finish	WS Start	WS Finish	Total Float
FEE20570	Milestone: Ship Prototype ADC Chips	0	0%		29-Jan-21		29-Jan-21	316
FEE20550R	REDQ: From Nevis - Packaged ADC Prototype	0	0%	05-Feb-21		05-Feb-21		311
FEE20580	Prototype Irradiation ADC Evaluation Test	43	0%	05-Feb-21	08-Apr-21	05-Feb-21	08-Apr-21	311
FEE20580M	Material for Prototype Irradiation ADC Evaluation Test	43	0%	05-Feb-21	08-Apr-21	05-Feb-21	08-Apr-21	311
FEE20580T	Travel for Prototype Irradiation ADC Evaluation Test	43	0%	05-Feb-21	08-Apr-21	05-Feb-21	08-Apr-21	311
FEE20590	Milestone: Completion of Prototype	0	0%		08-Apr-21		08-Apr-21	311
FEE20595EX	External Milestone: ATLAS FRR for FE ADC	0	0%		08-Apr-21		08-Apr-21	311
6.04.01.02.08 LAr FE ADC Production Chip Cycle		**62**	**0%**	**02-Apr-21**	**30-Jun-21**	**02-Apr-21**	**30-Jun-21**	**319**
No AP2 Task Group - Temp		**62**	**0%**	**02-Apr-21**	**30-Jun-21**	**02-Apr-21**	**30-Jun-21**	**319**
FEE20600	Production ADC Schematics Design	30	0%	02-Apr-21	14-May-21	02-Apr-21	14-May-21	253
FEE20610	Production ADC Physical Layout Design	32	0%	02-Apr-21	18-May-21	02-Apr-21	18-May-21	253
FEE20610T	Travel for Production ADC Physical Layout Design	32	0%	02-Apr-21	18-May-21	02-Apr-21	18-May-21	253
FEE20620	Production ADC Post Layout Simulation	30	0%	18-May-21	30-Jun-21	18-May-21	30-Jun-21	253
FEE20630	Milestone: Production ADC design complete	0	0%		30-Jun-21		30-Jun-21	319
6.04.01.02.09 LAr FE ADC Production Qualification Test		**130**	**0%**	**30-Jun-21**	**06-Jan-22**	**30-Jun-21**	**06-Jan-22**	**319**
No AP2 Task Group - Temp		**130**	**0%**	**30-Jun-21**	**06-Jan-22**	**30-Jun-21**	**06-Jan-22**	**319**
FEE20650T	Travel for Batch Qualification Evaluation Board Schematics Design	43	0%	30-Jun-21	31-Aug-21	30-Jun-21	31-Aug-21	319
FEE20650	Batch Qualification Evaluation Board Schematics Design	44	0%	30-Jun-21	01-Sep-21	30-Jun-21	01-Sep-21	319
FEE20660T	Travel for Batch Qualification Board Layout Design	38	0%	01-Sep-21	27-Oct-21	01-Sep-21	27-Oct-21	321
FEE20660	Batch Qualification Board Layout Design	40	0%	01-Sep-21	29-Oct-21	01-Sep-21	29-Oct-21	319
FEE20670M	Material for Batch Qualification Irradiation Board Fabrication	44	0%	29-Oct-21	04-Jan-22	29-Oct-21	04-Jan-22	320
FEE20670T	Travel for Batch Qualification Irradiation Board Fabrication	44	0%	29-Oct-21	04-Jan-22	29-Oct-21	04-Jan-22	320
FEE20690M	Material for Batch Qualification Irradiation Test PC (C++) Software	44	0%	29-Oct-21	04-Jan-22	29-Oct-21	04-Jan-22	320
FEE20670	Batch Qualification Irradiation Board Fabrication	46	0%	29-Oct-21	06-Jan-22	29-Oct-21	06-Jan-22	319
FEE20680	Batch Qualification Irradiation Board FPGA Software	46	0%	29-Oct-21	06-Jan-22	29-Oct-21	06-Jan-22	319
FEE20690	Batch Qualification Irradiation Test PC (C++) Software	46	0%	29-Oct-21	06-Jan-22	29-Oct-21	06-Jan-22	319
FEE20675	Milestone: ADC Batch testing board fabrication complete	0	0%		06-Jan-22		06-Jan-22	319
FEE20695	Milestone: ADC Batch qualification setup complete	0	0%		06-Jan-22		06-Jan-22	319
6.04.01.02.10 LAr FE ADC Production Evaluation		**502**	**0%**	**08-Apr-22**	**03-Apr-24**	**08-Apr-22**	**03-Apr-24**	**382**
No AP2 Task Group - Temp		**502**	**0%**	**08-Apr-22**	**03-Apr-24**	**08-Apr-22**	**03-Apr-24**	**382**
FEE20700R	REQD: From Columbia 12% ASICs	0	0%	08-Apr-22		08-Apr-22		253
FEE20710M	Material for Prod Qualification (Inc. Irradiation) 12% ASICs	58	0%	08-Apr-22	30-Jun-22	08-Apr-22	30-Jun-22	315



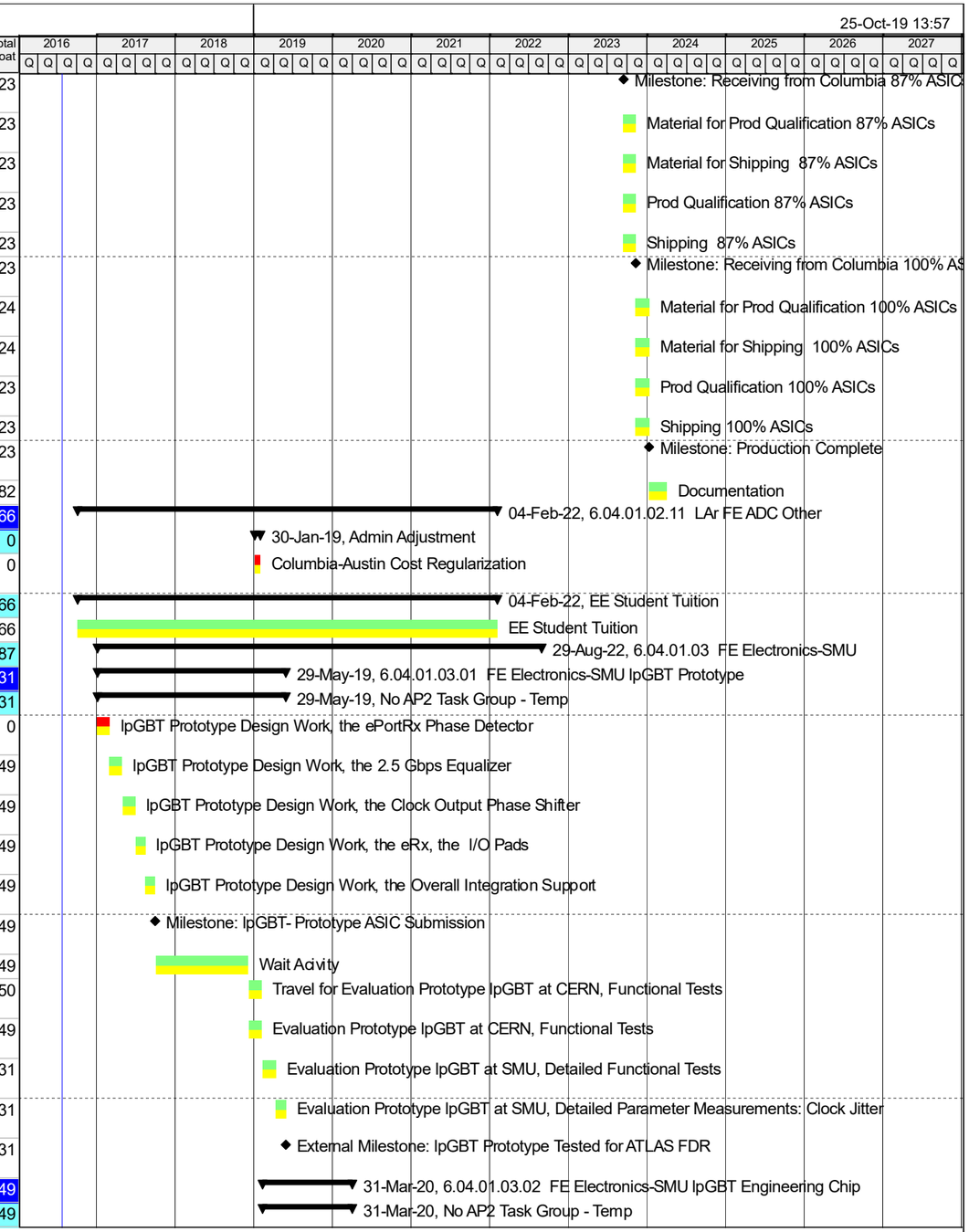
Primary Baseline | Remaining Work | Milestone
Actual Work | Critical Remaining Work | Summary

Activity ID	Activity Name	Duration	% Complete	BL Start	BL Finish	WS Start	WS Finish	Total Float
FEE20710T	Travel for Prod Qualification (Inc. Irradiation) 12% ASICs	58	0%	08-Apr-22	30-Jun-22	08-Apr-22	30-Jun-22	315
FEE20720M	Material for Shipping 12% ASICs	58	0%	08-Apr-22	30-Jun-22	08-Apr-22	30-Jun-22	315
FEE20710	Prod Qualification (Inc. Irradiation) 12% ASICs	60	0%	08-Apr-22	05-Jul-22	08-Apr-22	05-Jul-22	253
FEE20720	Shipping 12% ASICs	60	0%	08-Apr-22	05-Jul-22	08-Apr-22	05-Jul-22	253
FEE20740	Milestone: ATLAS PRR for ADC	0	0%		05-Jul-22		05-Jul-22	253
FEE20745	WAIT: Delivery of Full Production ADC	60	0%	05-Jul-22	28-Sep-22	05-Jul-22	28-Sep-22	253
FEE20730R	REQD: From Columbia 25% ASICs	0	0%	10-Nov-22		10-Nov-22		223
FEE20750M	Material for Prod Qualification (Inc. Irradiation) 25% ASICs	58	0%	10-Nov-22	03-Feb-23	10-Nov-22	03-Feb-23	223
FEE20750T	Travel for Prod Qualification (Inc. Irradiation) 25% ASICs	58	0%	10-Nov-22	03-Feb-23	10-Nov-22	03-Feb-23	223
FEE20755M	Material for Shipping 25% ASICs	58	0%	10-Nov-22	03-Feb-23	10-Nov-22	03-Feb-23	223
FEE20750	Prod Qualification (Inc. Irradiation) 25% ASICs	60	0%	10-Nov-22	07-Feb-23	10-Nov-22	07-Feb-23	223
FEE20755	Shipping 25% ASICs	60	0%	10-Nov-22	07-Feb-23	10-Nov-22	07-Feb-23	223
FEE20760	Milestone: Receiving from Columbia 37% ASICs	0	0%		03-Feb-23		03-Feb-23	223
FEE20770M	Material for Prod Qualification 37% ASICs	38	0%	03-Feb-23	30-Mar-23	03-Feb-23	30-Mar-23	223
FEE20780M	Material for Shipping 37% ASICs	38	0%	03-Feb-23	30-Mar-23	03-Feb-23	30-Mar-23	223
FEE20770	Prod Qualification 37% ASICs	40	0%	03-Feb-23	03-Apr-23	03-Feb-23	03-Apr-23	223
FEE20780	Shipping 37% ASICs	40	0%	03-Feb-23	03-Apr-23	03-Feb-23	03-Apr-23	223
FEE20790	Milestone: Receiving from Columbia 50% ASICs	0	0%		30-Mar-23		30-Mar-23	223
FEE20800M	Material for Prod Qualification 50% ASICs	39	0%	30-Mar-23	24-May-23	30-Mar-23	24-May-23	223
FEE20810M	Material for Shipping 50% ASICs	39	0%	30-Mar-23	24-May-23	30-Mar-23	24-May-23	223
FEE20800	Prod Qualification 50% ASICs	40	0%	30-Mar-23	25-May-23	30-Mar-23	25-May-23	223
FEE20810	Shipping 50% ASICs	40	0%	30-Mar-23	25-May-23	30-Mar-23	25-May-23	223
FEE20820	Milestone: Receiving from Columbia 62% ASICs	0	0%		24-May-23		24-May-23	223
FEE20830M	Material for Prod Qualification 62% ASICs	39	0%	24-May-23	20-Jul-23	24-May-23	20-Jul-23	223
FEE20840M	Material for Shipping 62% ASICs	39	0%	24-May-23	20-Jul-23	24-May-23	20-Jul-23	223
FEE20830	Prod Qualification 62% ASICs	40	0%	24-May-23	21-Jul-23	24-May-23	21-Jul-23	223
FEE20840	Shipping 62% ASICs	40	0%	24-May-23	21-Jul-23	24-May-23	21-Jul-23	223
FEE20850	Milestone: Receiving from Columbia 75% ASICs	0	0%		20-Jul-23		20-Jul-23	223
FEE20860M	Material for Prod Qualification 75% ASICs	39	0%	20-Jul-23	14-Sep-23	20-Jul-23	14-Sep-23	223
FEE20870M	Material for Shipping 75% ASICs	39	0%	20-Jul-23	14-Sep-23	20-Jul-23	14-Sep-23	223
FEE20860	Prod Qualification 75% ASICs	40	0%	20-Jul-23	15-Sep-23	20-Jul-23	15-Sep-23	223
FEE20870	Shipping 75% ASICs	40	0%	20-Jul-23	15-Sep-23	20-Jul-23	15-Sep-23	223



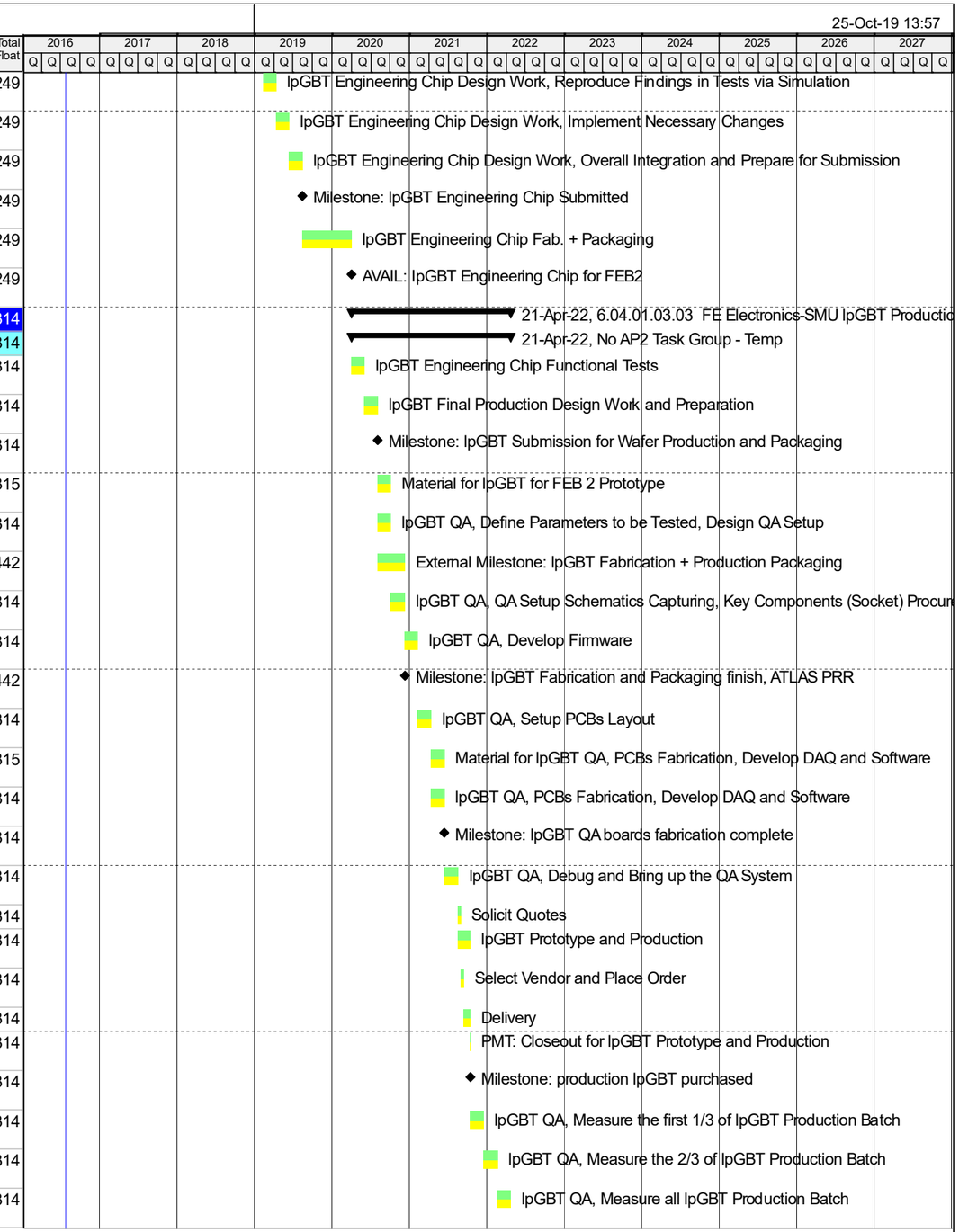
Primary Baseline | Remaining Work | Milestone
Actual Work | Critical Remaining Work | Summary

Activity ID	Activity Name	Duration	% Complete	BL Start	BL Finish	WS Start	WS Finish	Total Float
FEE20880	Milestone: Receiving from Columbia 87% ASICs	0	0%	14-Sep-23		14-Sep-23		223
FEE20890M	Material for Prod Qualification 87% ASICs	39	0%	14-Sep-23	09-Nov-23	14-Sep-23	09-Nov-23	223
FEE20900M	Material for Shipping 87% ASICs	39	0%	14-Sep-23	09-Nov-23	14-Sep-23	09-Nov-23	223
FEE20890	Prod Qualification 87% ASICs	40	0%	14-Sep-23	10-Nov-23	14-Sep-23	10-Nov-23	223
FEE20900	Shipping 87% ASICs	40	0%	14-Sep-23	10-Nov-23	14-Sep-23	10-Nov-23	223
FEE20910	Milestone: Receiving from Columbia 100% ASICs	0	0%		09-Nov-23		09-Nov-23	223
FEE20920M	Material for Prod Qualification 100% ASICs	39	0%	09-Nov-23	08-Jan-24	09-Nov-23	08-Jan-24	224
FEE20930M	Material for Shipping 100% ASICs	39	0%	09-Nov-23	08-Jan-24	09-Nov-23	08-Jan-24	224
FEE20920	Prod Qualification 100% ASICs	40	0%	09-Nov-23	09-Jan-24	09-Nov-23	09-Jan-24	223
FEE20930	Shipping 100% ASICs	40	0%	09-Nov-23	09-Jan-24	09-Nov-23	09-Jan-24	223
FEE20940	Milestone: Production Complete	0	0%		09-Jan-24		09-Jan-24	223
FEE20950	Documentation	60	0%	09-Jan-24	03-Apr-24	09-Jan-24	03-Apr-24	382
6.04.01.02.11 LAr FE ADC Other		**1351**	**0%**	**03-Oct-16**	**04-Feb-22**	**03-Oct-16**	**04-Feb-22**	**166**
Admin Adjustment		**20**	**0%**	**03-Jan-19**	**30-Jan-19**	**03-Jan-19**	**30-Jan-19**	**0**
FEE20960M	Columbia-Austin Cost Regularization	20	0%	03-Jan-19	30-Jan-19	03-Jan-19	30-Jan-19*	0
EE Student Tuition		**1351**	**0%**	**03-Oct-16**	**04-Feb-22**	**03-Oct-16**	**04-Feb-22**	**166**
FEE20970M	EE Student Tuition	1351	0%	03-Oct-16	04-Feb-22	03-Oct-16	04-Feb-22	166
6.04.01.03 FE Electronics-SMU		**1432**	**0%**	**03-Jan-17**	**29-Aug-22**	**03-Jan-17**	**29-Aug-22**	**587**
6.04.01.03.01 FE Electronics-SMU IpGBT Prototype		**609**	**0%**	**03-Jan-17**	**29-May-19**	**03-Jan-17**	**29-May-19**	**331**
No AP2 Task Group - Temp		**609**	**0%**	**03-Jan-17**	**29-May-19**	**03-Jan-17**	**29-May-19**	**331**
FEE30010	IpGBT Prototype Design Work, the ePortRx Phase Detector	40	0%	03-Jan-17	28-Feb-17	03-Jan-17*	28-Feb-17	0
FEE30020	IpGBT Prototype Design Work, the 2.5 Gbps Equalizer	43	0%	01-Mar-17	28-Apr-17	01-Mar-17	28-Apr-17	249
FEE30030	IpGBT Prototype Design Work, the Clock Output Phase Shifter	44	0%	01-May-17	30-Jun-17	01-May-17	30-Jun-17	249
FEE30040	IpGBT Prototype Design Work, the eRx, the I/O Pads	31	0%	03-Jul-17	15-Aug-17	03-Jul-17	15-Aug-17	249
FEE30050	IpGBT Prototype Design Work, the Overall Integration Support	32	0%	16-Aug-17	29-Sep-17	16-Aug-17	29-Sep-17	249
FEE30060	Milestone: IpGBT- Prototype ASIC Submission	0	0%		29-Sep-17		29-Sep-17	249
FEE30070	Wait Acivity	300	0%	02-Oct-17	07-Dec-18	02-Oct-17	07-Dec-18	249
FEE30110T	Travel for Evaluation Prototype IpGBT at CERN, Functional Tests	41	0%	10-Dec-18	06-Feb-19	10-Dec-18	06-Feb-19	250
FEE30110	Evaluation Prototype IpGBT at CERN, Functional Tests	42	0%	10-Dec-18	07-Feb-19	10-Dec-18	07-Feb-19	249
FEE30130	Evaluation Prototype IpGBT at SMU, Detailed Functional Tests	44	0%	08-Feb-19	11-Apr-19	08-Feb-19	11-Apr-19	331
FEE30140	Evaluation Prototype IpGBT at SMU, Detailed Parameter Measurements:	33	0%	12-Apr-19	29-May-19	12-Apr-19	29-May-19	331
FEE30160EX	External Milestone: IpGBT Prototype Tested for ATLAS FDR	0	0%		29-May-19		29-May-19	331
6.04.01.03.02 FE Electronics-SMU IpGBT Engineering Chip		**289**	**0%**	**08-Feb-19**	**31-Mar-20**	**08-Feb-19**	**31-Mar-20**	**249**
No AP2 Task Group - Temp		**289**	**0%**	**08-Feb-19**	**31-Mar-20**	**08-Feb-19**	**31-Mar-20**	**249**



Primary Baseline | Remaining Work | Milestone
Actual Work | Critical Remaining Work | Summary

Activity ID	Activity Name	Duration	% Complete	BL Start	BL Finish	WS Start	WS Finish	Total Float
FEE30170	IpGBT Engineering Chip Design Work, Reproduce Findings in Tests via	43	0%	08-Feb-19	10-Apr-19	08-Feb-19	10-Apr-19	249
FEE30180	IpGBT Engineering Chip Design Work, Implement Necessary Changes	43	0%	11-Apr-19	11-Jun-19	11-Apr-19	11-Jun-19	249
FEE30190	IpGBT Engineering Chip Design Work, Overall Integration and Prepare for	45	0%	12-Jun-19	14-Aug-19	12-Jun-19	14-Aug-19	249
FEE30200	Milestone: IpGBT Engineering Chip Submitted	0	0%		14-Aug-19		14-Aug-19	249
FEE30210	IpGBT Engineering Chip Fab. + Packaging	158	0%	15-Aug-19	31-Mar-20	15-Aug-19	31-Mar-20	249
FEE30225A	AVAIL: IpGBT Engineering Chip for FEB2	0	0%		31-Mar-20		31-Mar-20	249
6.04.01.03.03 FE Electronics-SMU IpGBT Production		**520**	**0%**	**01-Apr-20**	**21-Apr-22**	**01-Apr-20**	**21-Apr-22**	**314**
No AP2 Task Group - Temp		**520**	**0%**	**01-Apr-20**	**21-Apr-22**	**01-Apr-20**	**21-Apr-22**	**314**
FEE30240	IpGBT Engineering Chip Functional Tests	45	0%	01-Apr-20	03-Jun-20	01-Apr-20	03-Jun-20	314
FEE30250	IpGBT Final Production Design Work and Preparation	43	0%	04-Jun-20	04-Aug-20	04-Jun-20	04-Aug-20	314
FEE30260	Milestone: IpGBT Submission for Wafer Production and Packaging	0	0%		04-Aug-20		04-Aug-20	314
FEE30290M	Material for IpGBT for FEB 2 Prototype	42	0%	04-Aug-20	02-Oct-20	04-Aug-20	02-Oct-20	315
FEE30290	IpGBT QA, Define Parameters to be Tested, Design QA Setup	43	0%	04-Aug-20	05-Oct-20	04-Aug-20	05-Oct-20	314
FEE30270EX	External Milestone: IpGBT Fabrication + Production Packaging	89	0%	04-Aug-20	10-Dec-20	04-Aug-20	10-Dec-20	442
FEE30300	IpGBT QA, QA Setup Schematics Capturing, Key Components (Socket)	45	0%	05-Oct-20	09-Dec-20	05-Oct-20	09-Dec-20	314
FEE30310	IpGBT QA, Develop Firmware	43	0%	09-Dec-20	10-Feb-21	09-Dec-20	10-Feb-21	314
FEE30280	Milestone: IpGBT Fabrication and Packaging finish, ATLAS PRR	0	0%		10-Dec-20		10-Dec-20	442
FEE30320	IpGBT QA, Setup PCBs Layout	43	0%	10-Feb-21	13-Apr-21	10-Feb-21	13-Apr-21	314
FEE30330M	Material for IpGBT QA, PCBs Fabrication, Develop DAQ and Software	43	0%	13-Apr-21	14-Jun-21	13-Apr-21	14-Jun-21	315
FEE30330	IpGBT QA, PCBs Fabrication, Develop DAQ and Software	44	0%	13-Apr-21	15-Jun-21	13-Apr-21	15-Jun-21	314
FEE30335	Milestone: IpGBT QA boards fabrication complete	0	0%		15-Jun-21		15-Jun-21	314
FEE30340	IpGBT QA, Debug and Bring up the QA System	43	0%	15-Jun-21	16-Aug-21	15-Jun-21	16-Aug-21	314
FEE30345M10	Solicit Quotes	10	0%	16-Aug-21	30-Aug-21	16-Aug-21	30-Aug-21	314
FEE30345	IpGBT Prototype and Production	42	0%	16-Aug-21	15-Oct-21	16-Aug-21	15-Oct-21	314
FEE30345M20	Select Vendor and Place Order	10	0%	30-Aug-21	14-Sep-21	30-Aug-21	14-Sep-21	314
FEE30345M30	Delivery	21	0%	14-Sep-21	14-Oct-21	14-Sep-21	14-Oct-21	314
FEE30345M40	PMT: Closeout for IpGBT Prototype and Production	1	0%	14-Oct-21	15-Oct-21	14-Oct-21	15-Oct-21	314
FEE30355	Milestone: production IpGBT purchased	0	0%		15-Oct-21		15-Oct-21	314
FEE30350	IpGBT QA, Measure the first 1/3 of IpGBT Production Batch	42	0%	15-Oct-21	15-Dec-21	15-Oct-21	15-Dec-21	314
FEE30360	IpGBT QA, Measure the 2/3 of IpGBT Production Batch	44	0%	15-Dec-21	17-Feb-22	15-Dec-21	17-Feb-22	314
FEE30370	IpGBT QA, Measure all IpGBT Production Batch	44	0%	17-Feb-22	21-Apr-22	17-Feb-22	21-Apr-22	314

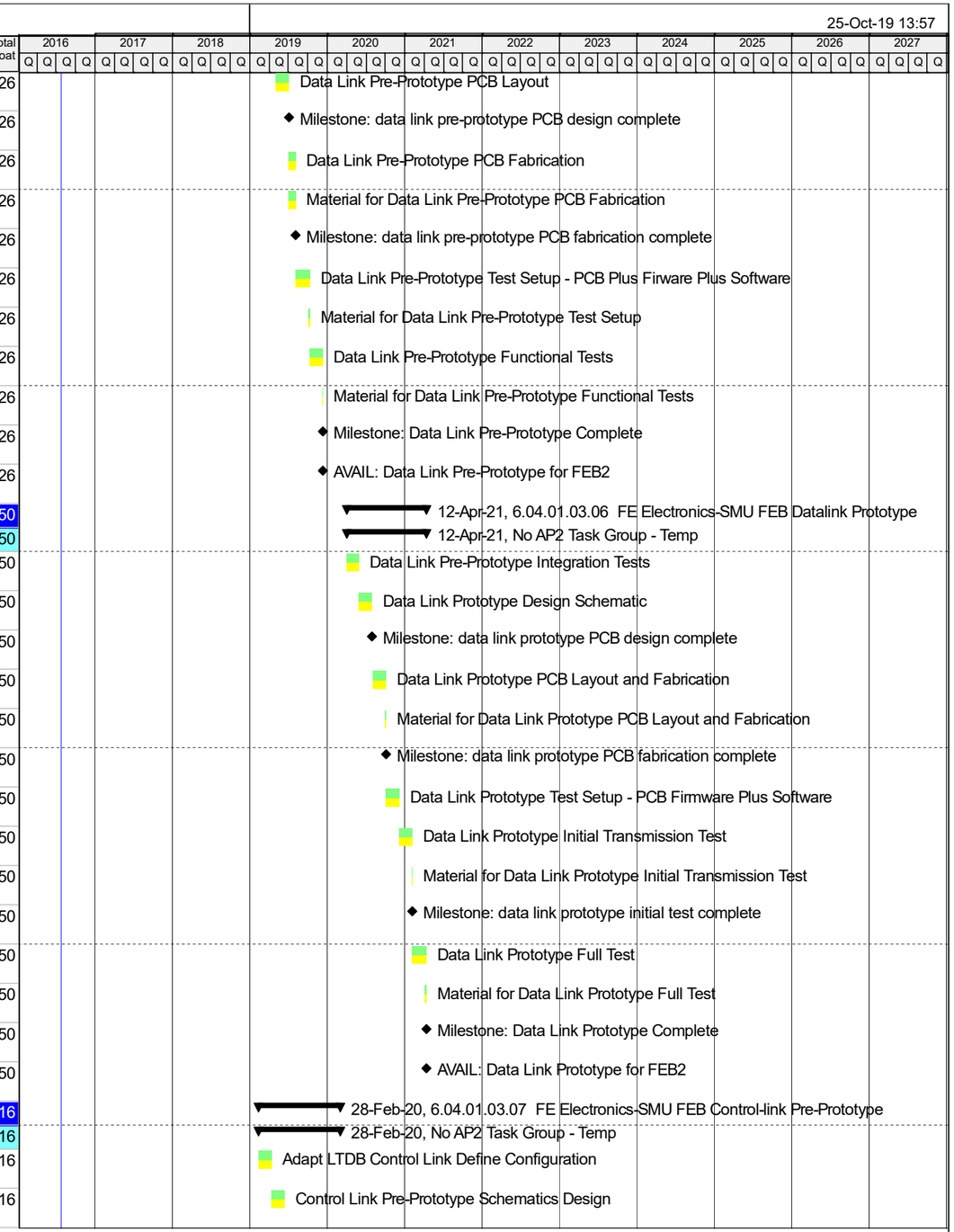


Primary Baseline | Remaining Work | Milestone
Actual Work | Critical Remaining Work | Summary

Activity ID	Activity Name	Duration	% Complete	BL Start	BL Finish	WS Start	WS Finish	Total Float
FEE30380	Milestone: lpGBT Complete	0	0%		21-Apr-22		21-Apr-22	314
6.04.01.03.04 FE Electronics-SMU VL+		**1039**	**0%**	**03-Jul-17**	**10-Aug-21**	**03-Jul-17**	**10-Aug-21**	**489**
No AP2 Task Group - Temp		**1039**	**0%**	**03-Jul-17**	**10-Aug-21**	**03-Jul-17**	**10-Aug-21**	**489**
FEE30390	VL+ Pre-Prototype 1 test LDQ10P with Setup from CERN , Die Characterization	32	0%	03-Jul-17	16-Aug-17	03-Jul-17*	16-Aug-17	0
FEE30400	VL+ Pre-Prototype 1 test LDQ10P with Setup from CERN, Identify Parameters	34	0%	17-Aug-17	04-Oct-17	17-Aug-17	04-Oct-17	760
FEE30490EX	External Milestone: VL+ Fabrication	0	0%		07-Oct-20		07-Oct-20*	0
FEE30495M	Material for VL+ Quad TX Prototype - 120 VL+ @ $120 Each	40	0%	07-Oct-20	03-Dec-20	07-Oct-20	03-Dec-20	339
FEE30498	Milestone: VL+ purchased for prototype FEB2	0	0%		03-Dec-20		03-Dec-20	429
FEE30500	VL+ OTx Prototype QA OTX Characterization	42	0%	04-Dec-20	03-Feb-21	04-Dec-20	03-Feb-21	429
FEE30510	VL+ OTx Prototype QA, Define Parameters to be Measured for QA	43	0%	04-Feb-21	06-Apr-21	04-Feb-21	06-Apr-21	429
FEE30520	VL+ OTx Prototype QA, Prepare OTAX Test Stand	45	0%	07-Apr-21	09-Jun-21	07-Apr-21	09-Jun-21	429
FEE30540M10	Solicit Quotes	10	0%	10-Jun-21	23-Jun-21	10-Jun-21	23-Jun-21	490
FEE30540	VL+ OTx Prototype QA, OTx Testing	43	0%	10-Jun-21	10-Aug-21	10-Jun-21	10-Aug-21	429
FEE30540M20	Select Vendor and Place Order	10	0%	24-Jun-21	08-Jul-21	24-Jun-21	08-Jul-21	490
FEE30540M30	Delivery	22	0%	09-Jul-21	09-Aug-21	09-Jul-21	09-Aug-21	490
FEE30540M40	PMT: VL+OTX Production - 10,400 Quad @120 Each, 3,500 Single @30	1	0%	10-Aug-21	10-Aug-21	10-Aug-21	10-Aug-21	489
FEE30550	Milestone: production VL+ purchased	0	0%		10-Aug-21		10-Aug-21	489
FEE30560	Milestone: VL+Otx Prototype Finished	0	0%		10-Aug-21		10-Aug-21	489
6.04.01.03.05 FE Electronics-SMU FEB Datalink Pre-Prototype		**470**	**0%**	**01-Feb-18**	**10-Dec-19**	**01-Feb-18**	**10-Dec-19**	**326**
No AP2 Task Group - Temp		**470**	**0%**	**01-Feb-18**	**10-Dec-19**	**01-Feb-18**	**10-Dec-19**	**326**
FEE30600	Soft_lpGBT - Interface Design and Planning	20	0%	01-Feb-18	01-Mar-18	01-Feb-18*	01-Mar-18	0
FEE30610	Soft_lpGBT - Adapt the CERN lpGBT Simulation Code to KC705 fpga	20	0%	02-Mar-18	29-Mar-18	02-Mar-18	29-Mar-18	326
FEE30615	Soft_lpGBT - Adapt the Code to KC705, Framing Part Coding	44	0%	30-Mar-18	31-May-18	30-Mar-18	31-May-18	326
FEE30620	Soft_lpGBT - Adapt the Code to KC705, GTx Part Coding	21	0%	01-Jun-18	29-Jun-18	01-Jun-18	29-Jun-18	326
FEE30625	Soft_lpGBT - Adapt the Code to KC705, the Deserializer Part Coding	44	0%	02-Jul-18	31-Aug-18	02-Jul-18	31-Aug-18	326
FEE30630	Soft_lpGBT - Adapt the Code to KC705, Check with Internal Loop-back	20	0%	04-Sep-18	01-Oct-18	04-Sep-18	01-Oct-18	326
FEE30635	Soft_lpGBT - Adapt the Code to KC705, Check with External Loop-back	20	0%	02-Oct-18	30-Oct-18	02-Oct-18	30-Oct-18	326
FEE30640	ADC_emulator - Code the Serial Output	22	0%	31-Oct-18	30-Nov-18	31-Oct-18	30-Nov-18	326
FEE30645	ADC_emulator - add BCID Counter, Event Builder	42	0%	03-Dec-18	31-Jan-19	03-Dec-18	31-Jan-19	326
FEE30650	Soft_lpGBT + ADC_Emulator Integration	20	0%	01-Feb-19	01-Mar-19	01-Feb-19	01-Mar-19	326
FEE30660	Milestone: soft lpGBT studies complete	0	0%		01-Mar-19		01-Mar-19	326
FEE30670	Data Link Pre-Prototype Schematics Design w/ FPGA	44	0%	04-Mar-19	02-May-19	04-Mar-19	02-May-19	326

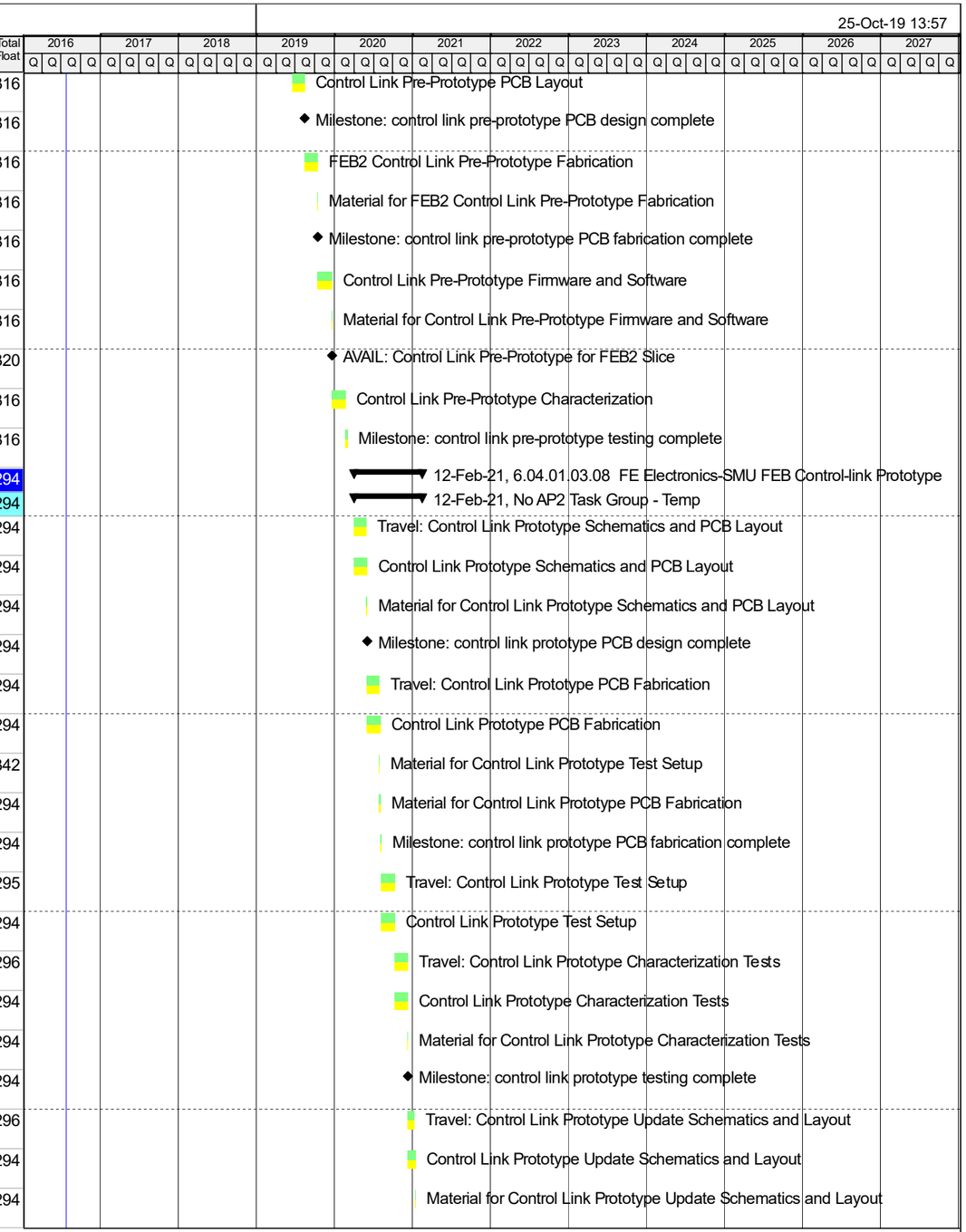
Primary Baseline | Remaining Work | Milestone
Actual Work | Critical Remaining Work | Summary

Activity ID	Activity Name	Duration	% Complete	BL Start	BL Finish	WS Start	WS Finish	Total Float
FEE30680	Data Link Pre-Prototype PCB Layout	43	0%	03-May-19	03-Jul-19	03-May-19	03-Jul-19	326
FEE30690	Milestone: data link pre-prototype PCB design complete	0	0%		03-Jul-19		03-Jul-19	326
FEE30700	Data Link Pre-Prototype PCB Fabrication	21	0%	05-Jul-19	02-Aug-19	05-Jul-19	02-Aug-19	326
FEE30700M	Material for Data Link Pre-Prototype PCB Fabrication	21	0%	05-Jul-19	02-Aug-19	05-Jul-19	02-Aug-19	326
FEE30710	Milestone: data link pre-prototype PCB fabrication complete	0	0%		02-Aug-19		02-Aug-19	326
FEE30720	Data Link Pre-Prototype Test Setup - PCB Plus Firware Plus Software	45	0%	05-Aug-19	07-Oct-19	05-Aug-19	07-Oct-19	326
FEE30720M	Material for Data Link Pre-Prototype Test Setup	1	0%	07-Oct-19	07-Oct-19	07-Oct-19	07-Oct-19	326
FEE30730	Data Link Pre-Prototype Functional Tests	44	0%	08-Oct-19	10-Dec-19	08-Oct-19	10-Dec-19	326
FEE30730M	Material for Data Link Pre-Prototype Functional Tests	1	0%	10-Dec-19	10-Dec-19	10-Dec-19	10-Dec-19	326
FEE30740	Milestone: Data Link Pre-Prototype Complete	0	0%		10-Dec-19		10-Dec-19	326
FEE30750A	AVAIL: Data Link Pre-Prototype for FEB2	0	0%		10-Dec-19		10-Dec-19	326
6.04.01.03.06 FE Electronics-SMU FEB Datalink Prototype		**261**	**0%**	**01-Apr-20**	**12-Apr-21**	**01-Apr-20**	**12-Apr-21**	**250**
No AP2 Task Group - Temp		**261**	**0%**	**01-Apr-20**	**12-Apr-21**	**01-Apr-20**	**12-Apr-21**	**250**
FEE30775	Data Link Pre-Prototype Integration Tests	41	0%	01-Apr-20	28-May-20	01-Apr-20	28-May-20	250
FEE30800	Data Link Prototype Design Schematic	45	0%	29-May-20	31-Jul-20	29-May-20	31-Jul-20	250
FEE30805	Milestone: data link prototype PCB design complete	0	0%		31-Jul-20		31-Jul-20	250
FEE30810	Data Link Prototype PCB Layout and Fabrication	43	0%	03-Aug-20	01-Oct-20	03-Aug-20	01-Oct-20	250
FEE30810M	Material for Data Link Prototype PCB Layout and Fabrication	1	0%	01-Oct-20	01-Oct-20	01-Oct-20	01-Oct-20	250
FEE30815	Milestone: data link prototype PCB fabrication complete	0	0%		01-Oct-20		01-Oct-20	250
FEE30820	Data Link Prototype Test Setup - PCB Firmware Plus Software	43	0%	02-Oct-20	03-Dec-20	02-Oct-20	03-Dec-20	250
FEE30830	Data Link Prototype Initial Transmission Test	44	0%	03-Dec-20	05-Feb-21	03-Dec-20	05-Feb-21	250
FEE30830M	Material for Data Link Prototype Initial Transmission Test	1	0%	04-Feb-21	05-Feb-21	04-Feb-21	05-Feb-21	250
FEE30835	Milestone: data link prototype initial test complete	0	0%		05-Feb-21		05-Feb-21	250
FEE30840	Data Link Prototype Full Test	45	0%	05-Feb-21	12-Apr-21	05-Feb-21	12-Apr-21	250
FEE30840M	Material for Data Link Prototype Full Test	1	0%	09-Apr-21	12-Apr-21	09-Apr-21	12-Apr-21	250
FEE30850	Milestone: Data Link Prototype Complete	0	0%		12-Apr-21		12-Apr-21	250
FEE30855A	AVAIL: Data Link Prototype for FEB2	0	0%		12-Apr-21		12-Apr-21	250
6.04.01.03.07 FE Electronics-SMU FEB Control-link Pre-Prototy		**267**	**0%**	**08-Feb-19**	**28-Feb-20**	**08-Feb-19**	**28-Feb-20**	**316**
No AP2 Task Group - Temp		**267**	**0%**	**08-Feb-19**	**28-Feb-20**	**08-Feb-19**	**28-Feb-20**	**316**
FEE30860	Adapt LTDB Control Link Define Configuration	44	0%	08-Feb-19	11-Apr-19	08-Feb-19	11-Apr-19	316
FEE30870	Control Link Pre-Prototype Schematics Design	45	0%	12-Apr-19	14-Jun-19	12-Apr-19	14-Jun-19	316



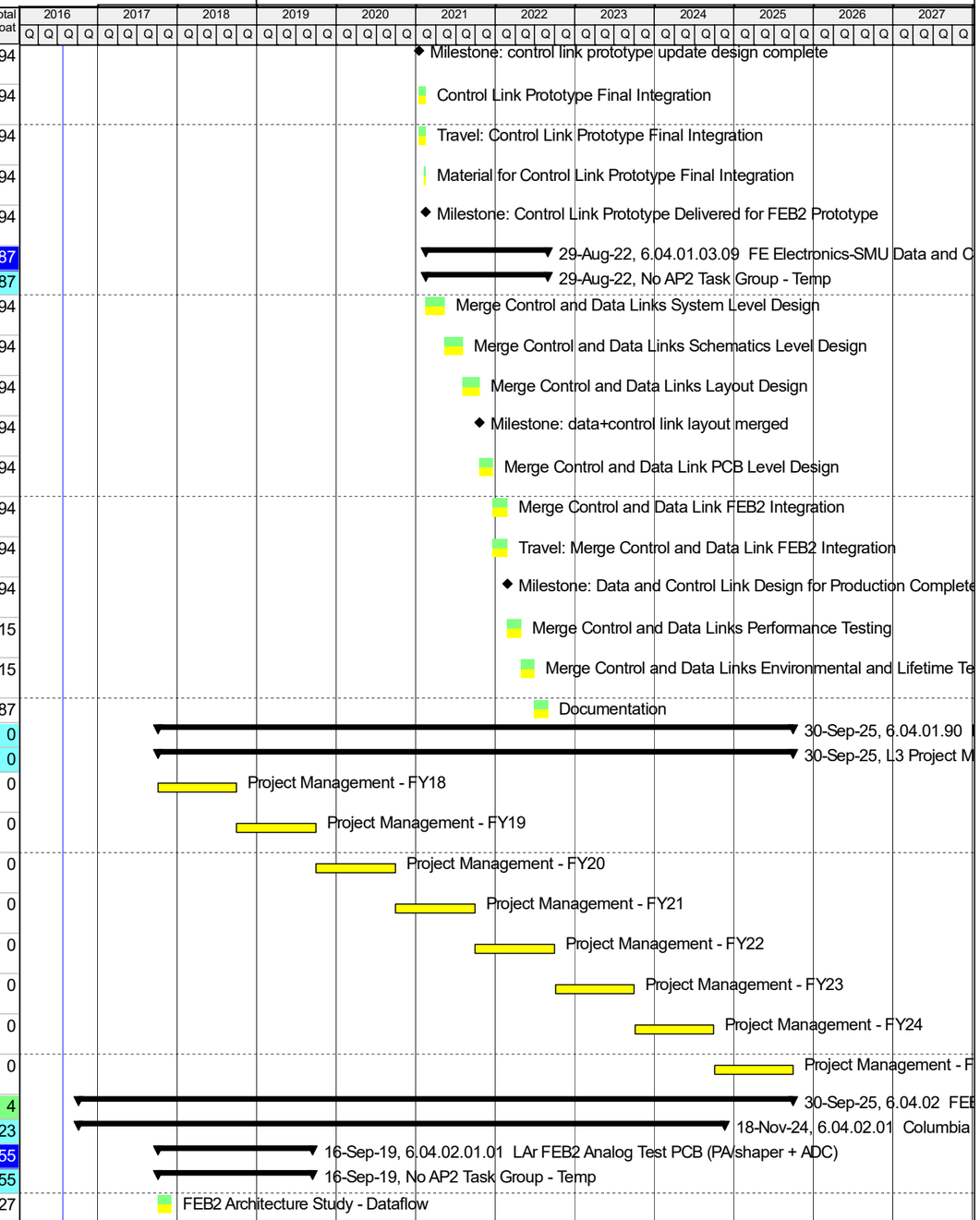
Primary Baseline | Remaining Work | Milestone
Actual Work | Critical Remaining Work | Summary

Activity ID	Activity Name	Duration	% Complete	BL Start	BL Finish	WS Start	WS Finish	Total Float
FEE30880	Control Link Pre-Prototype PCB Layout	42	0%	17-Jun-19	14-Aug-19	17-Jun-19	14-Aug-19	316
FEE30885	Milestone: control link pre-prototype PCB design complete	0	0%		14-Aug-19		14-Aug-19	316
FEE30890	FEB2 Control Link Pre-Prototype Fabrication	43	0%	15-Aug-19	16-Oct-19	15-Aug-19	16-Oct-19	316
FEE30890M	Material for FEB2 Control Link Pre-Prototype Fabrication	1	0%	16-Oct-19	16-Oct-19	16-Oct-19	16-Oct-19	316
FEE30895	Milestone: control link pre-prototype PCB fabrication complete	0	0%		16-Oct-19		16-Oct-19	316
FEE30900	Control Link Pre-Prototype Firmware and Software	45	0%	17-Oct-19	19-Dec-19	17-Oct-19	19-Dec-19	316
FEE30900M	Material for Control Link Pre-Prototype Firmware and Software	1	0%	18-Dec-19	19-Dec-19	18-Dec-19	19-Dec-19	316
FEE30900A	AVAIL: Control Link Pre-Prototype for FEB2 Slice	0	0%		19-Dec-19		19-Dec-19	320
FEE30910	Control Link Pre-Prototype Characterization	43	0%	19-Dec-19	21-Feb-20	19-Dec-19	21-Feb-20	316
FEE30915	Milestone: control link pre-prototype testing complete	5	0%	21-Feb-20	28-Feb-20	21-Feb-20	28-Feb-20	316
6.04.01.03.08 FE Electronics-SMU FEB Control-link Prototype		**221**	**0%**	**01-Apr-20**	**12-Feb-21**	**01-Apr-20**	**12-Feb-21**	**294**
No AP2 Task Group - Temp		**221**	**0%**	**01-Apr-20**	**12-Feb-21**	**01-Apr-20**	**12-Feb-21**	**294**
FEE31020T	Travel: Control Link Prototype Schematics and PCB Layout	42	0%	01-Apr-20	29-May-20	01-Apr-20	29-May-20	294
FEE31020	Control Link Prototype Schematics and PCB Layout	43	0%	01-Apr-20	01-Jun-20	01-Apr-20	01-Jun-20	294
FEE31020M	Material for Control Link Prototype Schematics and PCB Layout	1	0%	29-May-20	01-Jun-20	29-May-20	01-Jun-20	294
FEE31025	Milestone: control link prototype PCB design complete	0	0%		01-Jun-20		01-Jun-20	294
FEE31030T	Travel: Control Link Prototype PCB Fabrication	43	0%	01-Jun-20	31-Jul-20	01-Jun-20	31-Jul-20	294
FEE31030	Control Link Prototype PCB Fabrication	44	0%	01-Jun-20	03-Aug-20	01-Jun-20	03-Aug-20	294
FEE31040M	Material for Control Link Prototype Test Setup	1	0%	30-Jul-20	31-Jul-20	30-Jul-20	31-Jul-20	342
FEE31030M	Material for Control Link Prototype PCB Fabrication	1	0%	31-Jul-20	03-Aug-20	31-Jul-20	03-Aug-20	294
FEE31035	Milestone: control link prototype PCB fabrication complete	5	0%	03-Aug-20	10-Aug-20	03-Aug-20	10-Aug-20	294
FEE31040T	Travel: Control Link Prototype Test Setup	42	0%	10-Aug-20	08-Oct-20	10-Aug-20	08-Oct-20	295
FEE31040	Control Link Prototype Test Setup	43	0%	10-Aug-20	09-Oct-20	10-Aug-20	09-Oct-20	294
FEE31050T	Travel: Control Link Prototype Characterization Tests	40	0%	09-Oct-20	08-Dec-20	09-Oct-20	08-Dec-20	296
FEE31050	Control Link Prototype Characterization Tests	42	0%	09-Oct-20	10-Dec-20	09-Oct-20	10-Dec-20	294
FEE31050M	Material for Control Link Prototype Characterization Tests	1	0%	09-Dec-20	10-Dec-20	09-Dec-20	10-Dec-20	294
FEE31055	Milestone: control link prototype testing complete	0	0%		10-Dec-20		10-Dec-20	294
FEE31060T	Travel: Control Link Prototype Update Schematics and Layout	20	0%	10-Dec-20	11-Jan-21	10-Dec-20	11-Jan-21	296
FEE31060	Control Link Prototype Update Schematics and Layout	22	0%	10-Dec-20	13-Jan-21	10-Dec-20	13-Jan-21	294
FEE31060M	Material for Control Link Prototype Update Schematics and Layout	1	0%	12-Jan-21	13-Jan-21	12-Jan-21	13-Jan-21	294



Primary Baseline | Remaining Work | Milestone
Actual Work | Critical Remaining Work | Summary

Activity ID	Activity Name	Duration	% Complete	BL Start	BL Finish	WS Start	WS Finish	Total Float
FEE31065	Milestone: control link prototype update design complete	0	0%		13-Jan-21		13-Jan-21	294
FEE31070	Control Link Prototype Final Integration	22	0%	13-Jan-21	12-Feb-21	13-Jan-21	12-Feb-21	294
FEE31070T	Travel: Control Link Prototype Final Integration	22	0%	13-Jan-21	12-Feb-21	13-Jan-21	12-Feb-21	294
FEE31070M	Material for Control Link Prototype Final Integration	1	0%	11-Feb-21	12-Feb-21	11-Feb-21	12-Feb-21	294
FEE31080	Milestone: Control Link Prototype Delivered for FEB2 Prototype	0	0%		12-Feb-21		12-Feb-21	294
6.04.01.03.09 FE Electronics-SMU Data and Control Links for F		390	0%	12-Feb-21	29-Aug-22	12-Feb-21	29-Aug-22	587
No AP2 Task Group - Temp		390	0%	12-Feb-21	29-Aug-22	12-Feb-21	29-Aug-22	587
FEE31090	Merge Control and Data Links System Level Design	60	0%	12-Feb-21	10-May-21	12-Feb-21	10-May-21	294
FEE31110	Merge Control and Data Links Schematics Level Design	60	0%	10-May-21	04-Aug-21	10-May-21	04-Aug-21	294
FEE31120	Merge Control and Data Links Layout Design	53	0%	04-Aug-21	20-Oct-21	04-Aug-21	20-Oct-21	294
FEE31130	Milestone: data+control link layout merged	0	0%		20-Oct-21		20-Oct-21	294
FEE31140	Merge Control and Data Link PCB Level Design	44	0%	20-Oct-21	22-Dec-21	20-Oct-21	22-Dec-21	294
FEE31150	Merge Control and Data Link FEB2 Integration	43	0%	22-Dec-21	24-Feb-22	22-Dec-21	24-Feb-22	294
FEE31150T	Travel: Merge Control and Data Link FEB2 Integration	43	0%	22-Dec-21	24-Feb-22	22-Dec-21	24-Feb-22	294
FEE31160	Milestone: Data and Control Link Design for Production Complete	0	0%		24-Feb-22		24-Feb-22	294
FEE31170	Merge Control and Data Links Performance Testing	43	0%	24-Feb-22	26-Apr-22	24-Feb-22	26-Apr-22	415
FEE31180	Merge Control and Data Links Environmental and Lifetime Testing	43	0%	26-Apr-22	27-Jun-22	26-Apr-22	27-Jun-22	415
FEE31185	Documentation	44	0%	27-Jun-22	29-Aug-22	27-Jun-22	29-Aug-22	587
6.04.01.90 L3 Project Management		2023	0%	02-Oct-17	30-Sep-25	02-Oct-17	30-Sep-25	0
L3 Project Management		2023	0%	02-Oct-17	30-Sep-25	02-Oct-17	30-Sep-25	0
MGT43090	Project Management - FY18	252	0%	02-Oct-17	28-Sep-18	02-Oct-17	28-Sep-18	0
MGT43100	Project Management - FY19	253	0%	01-Oct-18	30-Sep-19	01-Oct-18	30-Sep-19	0
MGT43110	Project Management - FY20	254	0%	01-Oct-19	30-Sep-20	01-Oct-19	30-Sep-20	0
MGT43120	Project Management - FY21	253	0%	01-Oct-20	30-Sep-21	01-Oct-20	30-Sep-21	0
MGT43130	Project Management - FY22	253	0%	01-Oct-21	30-Sep-22	01-Oct-21	30-Sep-22	0
MGT43140	Project Management - FY23	252	0%	03-Oct-22	29-Sep-23	03-Oct-22	29-Sep-23	0
MGT43150	Project Management - FY24	253	0%	02-Oct-23	30-Sep-24	02-Oct-23	30-Sep-24	0
MGT43160	Project Management - FY25	253	0%	01-Oct-24	30-Sep-25	01-Oct-24	30-Sep-25	0
6.04.02 FEB2		2275	0%	03-Oct-16	30-Sep-25	03-Oct-16	30-Sep-25	4
6.04.02.01 Columbia		2056	0%	03-Oct-16	11-Nov-24	03-Oct-16	18-Nov-24	223
6.04.02.01.01 LAr FEB2 Analog Test PCB (PA/shaper + ADC)		495	0%	02-Oct-17	16-Sep-19	02-Oct-17	16-Sep-19	255
No AP2 Task Group - Temp		495	0%	02-Oct-17	16-Sep-19	02-Oct-17	16-Sep-19	255
FEB21002	FEB2 Architecture Study - Dataflow	44	0%	02-Oct-17	04-Dec-17	02-Oct-17	04-Dec-17	27

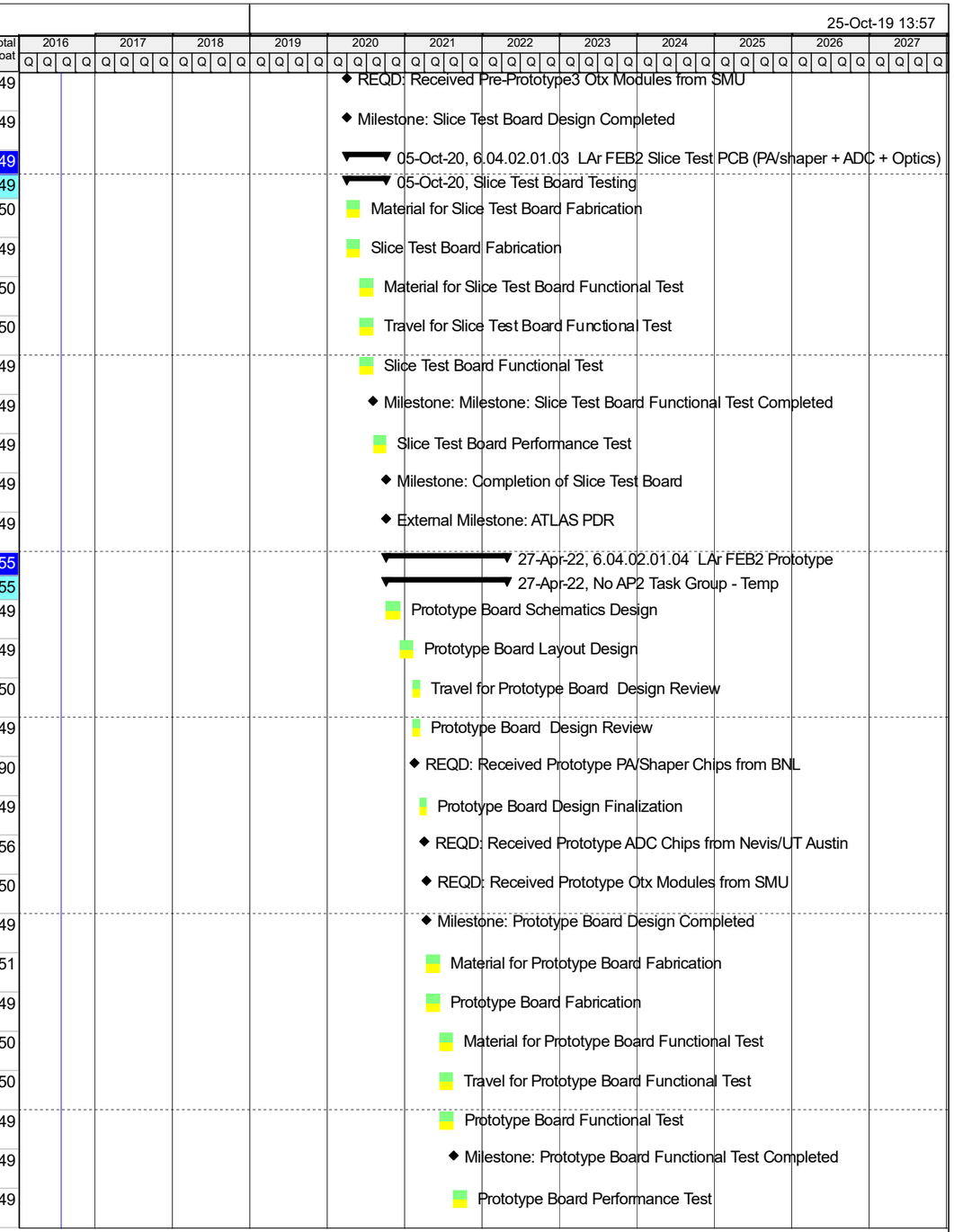


Primary Baseline | Remaining Work | Milestone
Actual Work | Critical Remaining Work | Summary

Activity ID	Activity Name	Duration	% Complete	BL Start	BL Finish	WS Start	WS Finish	Total Float
FEB21005	FEB2 Architecture Study - Configuration and Clock Distribution	40	0%	04-Dec-17	31-Jan-18	04-Dec-17	31-Jan-18	27
FEB21008	FEB2 Architecture Study - Powering	41	0%	31-Jan-18	30-Mar-18	31-Jan-18	30-Mar-18	27
FEB21009	Wait	65	0%	30-Mar-18	02-Jul-18	30-Mar-18	02-Jul-18	27
FEB21010	COTS ADC Performance Testing	45	0%	02-Jul-18	05-Sep-18	02-Jul-18	05-Sep-18	27
FEB21015	Analog Test Board Schematics Design	30	0%	16-Oct-18	27-Nov-18	16-Oct-18*	27-Nov-18	0
FEB21020	Analog Test Board Layout Design	30	0%	28-Nov-18	10-Jan-19	28-Nov-18	10-Jan-19	255
FEB21030T	Travel for Analog Test Board Design Review	22	0%	11-Jan-19	11-Feb-19	11-Jan-19	11-Feb-19	256
FEB21030	Analog Test Board Design Review	23	0%	11-Jan-19	12-Feb-19	11-Jan-19	12-Feb-19	255
FEB21042R	REQD: Received Pre-Prototype2 ADC Chips from Nevis/UT Austin	0	0%	30-Jan-19		30-Jan-19		284
FEB21040	Analog Test Board Design Finalization	20	0%	13-Feb-19	13-Mar-19	13-Feb-19	13-Mar-19	255
FEB21045R	REQD: Received Pre-Prototype2 PA/shaper Chips from BNL	0	0%	13-Mar-19		12-Mar-19		257
FEB21050	Milestone: Analog Test Board Design Completed	0	0%		13-Mar-19		12-Mar-19	257
FEB21055M	Material for Analog Test Board Fabrication	43	0%	14-Mar-19	13-May-19	14-Mar-19	13-May-19	257
FEB21055	Analog Test Board Fabrication	45	0%	14-Mar-19	15-May-19	14-Mar-19	15-May-19	255
FEB21060M	Material for Analog Test Board Functional Test	42	0%	16-May-19	16-Jul-19	16-May-19	16-Jul-19	257
FEB21060T	Travel for Analog Test Board Functional Test	42	0%	16-May-19	16-Jul-19	16-May-19	16-Jul-19	257
FEB21060	Analog Test Board Functional Test	44	0%	16-May-19	18-Jul-19	16-May-19	18-Jul-19	255
FEB21065	Milestone Analog Test Board Functional Test Completed	0	0%		18-Jul-19		18-Jul-19	255
FEB21070	Analog Test Board Performance Test	41	0%	18-Jul-19	16-Sep-19	18-Jul-19	16-Sep-19	255
FEB21080	Milestone: Completion of Analog Test Board	0	0%		16-Sep-19		16-Sep-19	255
FEB21085EX	External Milestone: ATLAS Specifications Review	0	0%		16-Sep-19		16-Sep-19	255
6.04.02.01.02 LAr FEB2 Slice Design PCB (PA/shaper + ADC + (		**136**	**0%**	**16-Sep-19**	**01-Apr-20**	**16-Sep-19**	**01-Apr-20**	**249**
Slice Test Board Design		**136**	**0%**	**16-Sep-19**	**01-Apr-20**	**16-Sep-19**	**01-Apr-20**	**249**
FEB21090	Slice Test Board Schematics Design	45	0%	16-Sep-19	19-Nov-19	16-Sep-19	19-Nov-19	255
FEB21100	Slice Test Board Layout Design	43	0%	19-Nov-19	22-Jan-20	19-Nov-19	22-Jan-20	255
FEB21122R	REQD: Received Pre-Prototype3 ADC Chips from Nevis/UT Austin	0	0%	22-Jan-20		22-Jan-20		298
FEB21110T	Travel for Slice Test Board Design Review	21	0%	22-Jan-20	21-Feb-20	22-Jan-20	21-Feb-20	256
FEB21110	Slice Test Board Design Review	22	0%	22-Jan-20	24-Feb-20	22-Jan-20	24-Feb-20	255
FEB21128R	REQD: Received Pre-Prototype3 PA/Shaper Chips from BNL	0	0%	03-Feb-20		31-Jan-20		291
FEB21120	Slice Test Board Design Finalization	21	0%	24-Feb-20	24-Mar-20	24-Feb-20	24-Mar-20	255
FEB21124R	REQD: Received Pre-Prototype3 Serializer Chips from SMU	0	0%	01-Apr-20		01-Apr-20		249

Primary Baseline | Remaining Work | Milestone
Actual Work | Critical Remaining Work | Summary

Activity ID	Activity Name	Duration	% Complete	BL Start	BL Finish	WS Start	WS Finish	Total Float
FEB21126R	REQD: Received Pre-Prototype3 Otx Modules from SMU	0	0%	01-Apr-20		01-Apr-20		249
FEB21130	Milestone: Slice Test Board Design Completed	0	0%		01-Apr-20		01-Apr-20	249
6.04.02.01.03 LAr FEB2 Slice Test PCB (PA/shaper + ADC + Opt		**131**	**0%**	**01-Apr-20**	**05-Oct-20**	**01-Apr-20**	**05-Oct-20**	**249**
Slice Test Board Testing		**131**	**0%**	**01-Apr-20**	**05-Oct-20**	**01-Apr-20**	**05-Oct-20**	**249**
FEB21135M	Material for Slice Test Board Fabrication	43	0%	01-Apr-20	01-Jun-20	01-Apr-20	01-Jun-20	250
FEB21135	Slice Test Board Fabrication	44	0%	01-Apr-20	02-Jun-20	01-Apr-20	02-Jun-20	249
FEB21140M	Material for Slice Test Board Functional Test	44	0%	03-Jun-20	04-Aug-20	03-Jun-20	04-Aug-20	250
FEB21140T	Travel for Slice Test Board Functional Test	44	0%	03-Jun-20	04-Aug-20	03-Jun-20	04-Aug-20	250
FEB21140	Slice Test Board Functional Test	45	0%	03-Jun-20	05-Aug-20	03-Jun-20	05-Aug-20	249
FEB21145	Milestone: Milestone: Slice Test Board Functional Test Completed	0	0%		05-Aug-20		05-Aug-20	249
FEB21150	Slice Test Board Performance Test	42	0%	06-Aug-20	05-Oct-20	06-Aug-20	05-Oct-20	249
FEB21160	Milestone: Completion of Slice Test Board	0	0%		05-Oct-20		05-Oct-20	249
FEB21165EX	External Milestone: ATLAS PDR	0	0%		05-Oct-20		05-Oct-20	249
6.04.02.01.04 LAr FEB2 Prototype		**394**	**0%**	**05-Oct-20**	**27-Apr-22**	**05-Oct-20**	**27-Apr-22**	**255**
No AP2 Task Group - Temp		**394**	**0%**	**05-Oct-20**	**27-Apr-22**	**05-Oct-20**	**27-Apr-22**	**255**
FEB21170	Prototype Board Schematics Design	43	0%	05-Oct-20	07-Dec-20	05-Oct-20	07-Dec-20	249
FEB21180	Prototype Board Layout Design	45	0%	07-Dec-20	10-Feb-21	07-Dec-20	10-Feb-21	249
FEB21190T	Travel for Prototype Board Design Review	20	0%	10-Feb-21	11-Mar-21	10-Feb-21	11-Mar-21	250
FEB21190	Prototype Board Design Review	21	0%	10-Feb-21	12-Mar-21	10-Feb-21	12-Mar-21	249
FEB21204R	REQD: Received Prototype PA/Shaper Chips from BNL	0	0%	18-Feb-21		16-Feb-21		290
FEB21195	Prototype Board Design Finalization	22	0%	12-Mar-21	13-Apr-21	12-Mar-21	13-Apr-21	249
FEB21202R	REQD: Received Prototype ADC Chips from Nevis/UT Austin	0	0%	02-Apr-21		02-Apr-21		256
FEB21208R	REQD: Received Prototype Otx Modules from SMU	0	0%	12-Apr-21		12-Apr-21		250
FEB21200	Milestone: Prototype Board Design Completed	0	0%		13-Apr-21		13-Apr-21	249
FEB21210M	Material for Prototype Board Fabrication	41	0%	13-Apr-21	10-Jun-21	13-Apr-21	10-Jun-21	251
FEB21210	Prototype Board Fabrication	43	0%	13-Apr-21	14-Jun-21	13-Apr-21	14-Jun-21	249
FEB21220M	Material for Prototype Board Functional Test	43	0%	14-Jun-21	13-Aug-21	14-Jun-21	13-Aug-21	250
FEB21220T	Travel for Prototype Board Functional Test	43	0%	14-Jun-21	13-Aug-21	14-Jun-21	13-Aug-21	250
FEB21220	Prototype Board Functional Test	44	0%	14-Jun-21	16-Aug-21	14-Jun-21	16-Aug-21	249
FEB21225	Milestone: Prototype Board Functional Test Completed	0	0%		16-Aug-21		16-Aug-21	249
FEB21230	Prototype Board Performance Test	43	0%	16-Aug-21	18-Oct-21	16-Aug-21	18-Oct-21	249

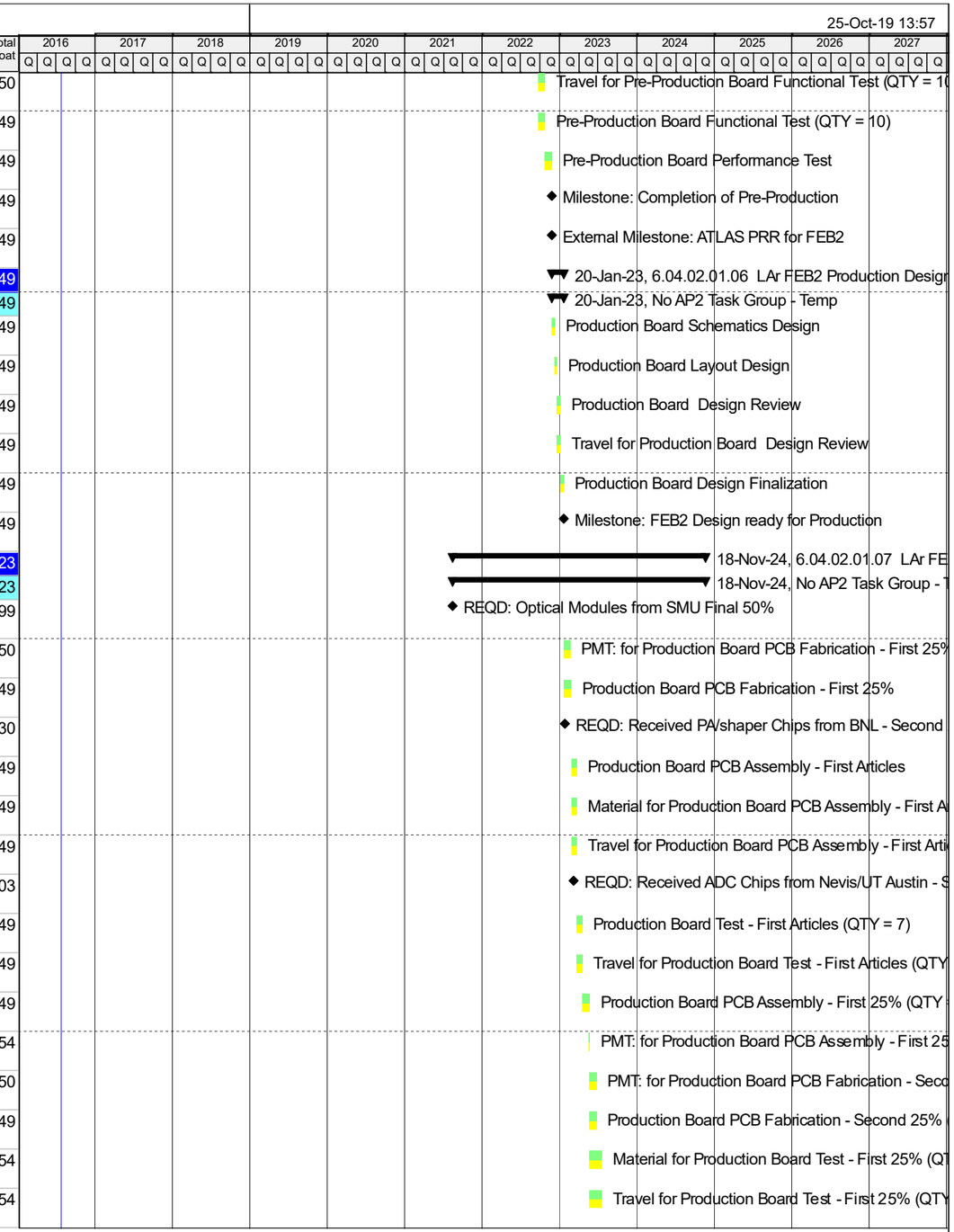


Primary Baseline | Remaining Work | Milestone
Actual Work | Critical Remaining Work | Summary

Activity ID	Activity Name	Duration	% Complete	BL Start	BL Finish	WS Start	WS Finish	Total Float
FEB21235	Milestone: Start 20 Prototype Board Fabrication	0	0%		18-Oct-21		18-Oct-21	249
FEB21240T	Travel for 20 Prototype Board Fabrication	39	0%	18-Oct-21	13-Dec-21	18-Oct-21	13-Dec-21	252
FEB21240	20 Prototype Board Fabrication	42	0%	18-Oct-21	16-Dec-21	18-Oct-21	16-Dec-21	249
FEB21240M	Material for 20 Prototype Board Fabrication	1	0%	15-Dec-21	16-Dec-21	15-Dec-21	16-Dec-21	249
FEB21245	20 Prototype Board Functional Test	20	0%	16-Dec-21	17-Jan-22	16-Dec-21	17-Jan-22	249
FEB21250M	Material for Ship 16 FEB2 Prototypes Boards to BNL	4	0%	17-Jan-22	21-Jan-22	17-Jan-22	21-Jan-22	250
FEB21250	Ship 16 FEB2 Prototypes Boards to BNL	5	0%	17-Jan-22	24-Jan-22	17-Jan-22	24-Jan-22	249
FEB21250A	AVAIL: 16 FEB2 Prototype Boards for BNL	0	0%		24-Jan-22		24-Jan-22	255
FEB21260	Prototype Board Performance Test in FEC Test BNL	44	0%	24-Jan-22	28-Mar-22	24-Jan-22	28-Mar-22	249
FEB21260T	Travel for Prototype Board Performance Test in FEC Test BNL	44	0%	24-Jan-22	28-Mar-22	24-Jan-22	28-Mar-22	249
FEB21270	Document FEB2 Results of FEC Test	22	0%	28-Mar-22	27-Apr-22	28-Mar-22	27-Apr-22	249
FEB21280	Milestone: Completion of Prototype	0	0%		27-Apr-22		27-Apr-22	249
FEB21282EX	External Milestone: ATLAS FDR for FEB2	0	0%		27-Apr-22		27-Apr-22	255
6.04.02.01.05 LAr FEB2 Preproduction (w/final components)		**149**	**0%**	**21-Apr-22**	**22-Nov-22**	**21-Apr-22**	**22-Nov-22**	**249**
No AP2 Task Group - Temp		**149**	**0%**	**21-Apr-22**	**22-Nov-22**	**21-Apr-22**	**22-Nov-22**	**249**
FEB21329R	REQD: Optical Modules from SMU 1ST 50%	0	0%	21-Apr-22		21-Apr-22		314
FEB21328R	REQD: Received PA/shaper Chips from BNL - First 25%	0	0%	29-Apr-22		27-Apr-22		310
FEB21290	Pre-Production Board Schematics Design	20	0%	27-Apr-22	25-May-22	27-Apr-22	25-May-22	249
FEB21300	Pre-Production Board Layout Design	20	0%	25-May-22	23-Jun-22	25-May-22	23-Jun-22	249
FEB21324R	REQD: Received ADC Chips from Nevis/UT Austin - First 12% -	0	0%	20-Jun-22		20-Jun-22		272
FEB21310	Pre-Production Board Design Review	10	0%	23-Jun-22	08-Jul-22	23-Jun-22	08-Jul-22	249
FEB21310T	Travel for Pre-Production Board Design Review	10	0%	23-Jun-22	08-Jul-22	23-Jun-22	08-Jul-22	249
FEB21320	Pre-Production Board Design Finalization	10	0%	08-Jul-22	22-Jul-22	08-Jul-22	22-Jul-22	249
FEB21322	Milestone: Pre-Production Board Design Completed	0	0%		22-Jul-22		22-Jul-22	249
FEB21330M10	Solicit for Quote	10	0%	22-Jul-22	05-Aug-22	22-Jul-22	05-Aug-22	256
FEB21332M	Material for PCB Fabrication and Assembly	41	0%	22-Jul-22	20-Sep-22	22-Jul-22	20-Sep-22	251
FEB21330	Pre-Production Board Fabrication (w/Final Components)	43	0%	22-Jul-22	22-Sep-22	22-Jul-22	22-Sep-22	249
FEB21330M20	Select Vendor	5	0%	05-Aug-22	12-Aug-22	05-Aug-22	12-Aug-22	256
FEB21330M30	Delivery	20	0%	12-Aug-22	12-Sep-22	12-Aug-22	12-Sep-22	256
FEB21330M40	PMT: Closeout FOR Pre-Production Board Fabrication (w/Final Components)	1	0%	12-Sep-22	13-Sep-22	12-Sep-22	13-Sep-22	256
FEB21340M	Material for Pre-Production Board Functional Test (QTY = 10)	21	0%	22-Sep-22	24-Oct-22	22-Sep-22	24-Oct-22	250

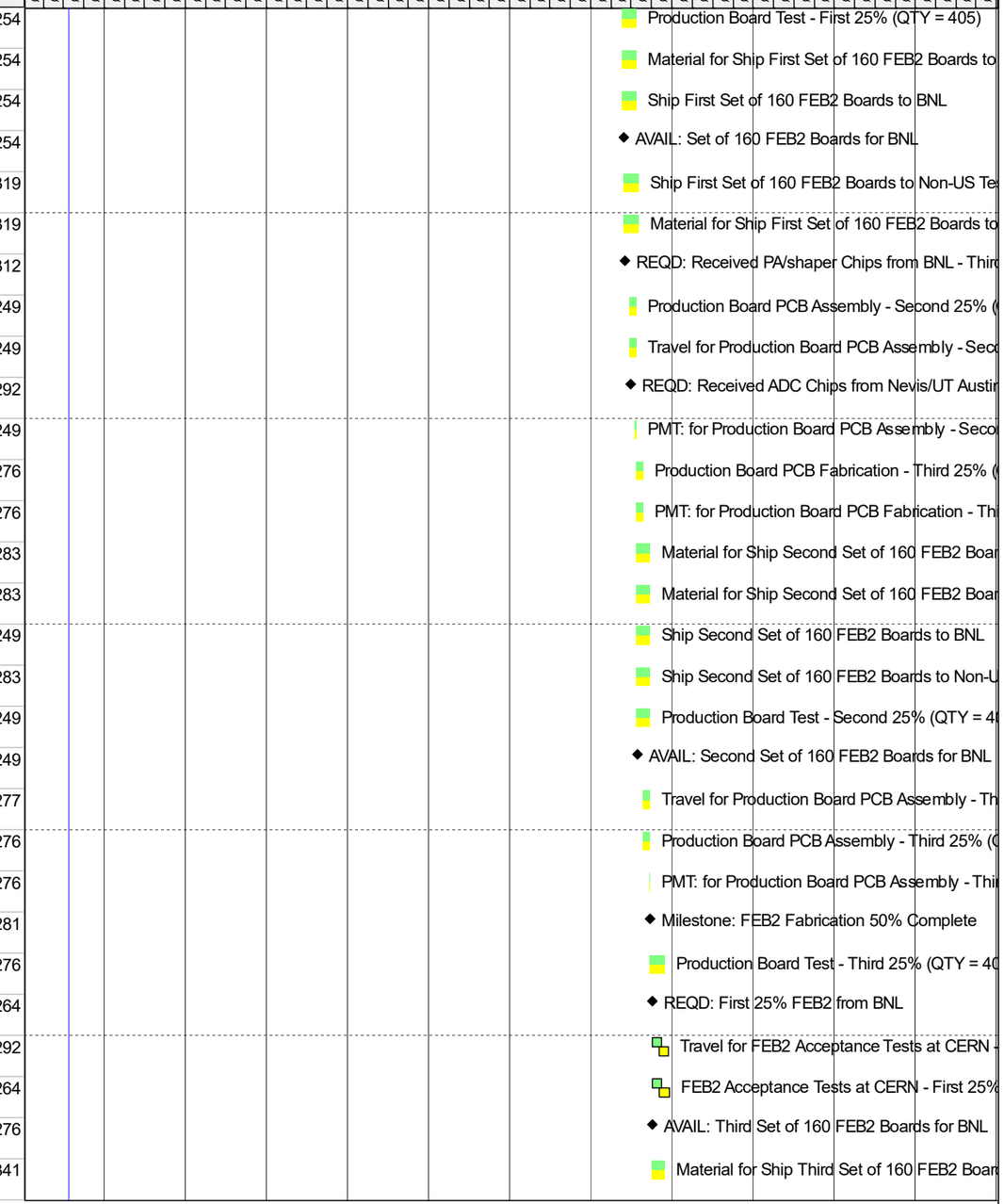
Primary Baseline | Remaining Work | Milestone
Actual Work | Critical Remaining Work | Summary

Activity ID	Activity Name	Duration	% Complete	BL Start	BL Finish	WS Start	WS Finish	Total Float
FEB21340T	Travel for Pre-Production Board Functional Test (QTY = 10)	21	0%	22-Sep-22	24-Oct-22	22-Sep-22	24-Oct-22	250
FEB21340	Pre-Production Board Functional Test (QTY = 10)	22	0%	22-Sep-22	25-Oct-22	22-Sep-22	25-Oct-22	249
FEB21350	Pre-Production Board Performance Test	20	0%	25-Oct-22	22-Nov-22	25-Oct-22	22-Nov-22	249
FEB21360	Milestone: Completion of Pre-Production	0	0%		22-Nov-22		22-Nov-22	249
FEB21365EX	External Milestone: ATLAS PRR for FEB2	0	0%		22-Nov-22		22-Nov-22	249
6.04.02.01.06 LAr FEB2 Production Design		**40**	**0%**	**22-Nov-22**	**20-Jan-23**	**22-Nov-22**	**20-Jan-23**	**249**
No AP2 Task Group - Temp		**40**	**0%**	**22-Nov-22**	**20-Jan-23**	**22-Nov-22**	**20-Jan-23**	**249**
FEB21370	Production Board Schematics Design	10	0%	22-Nov-22	07-Dec-22	22-Nov-22	07-Dec-22	249
FEB21380	Production Board Layout Design	10	0%	07-Dec-22	21-Dec-22	07-Dec-22	21-Dec-22	249
FEB21390	Production Board Design Review	10	0%	21-Dec-22	06-Jan-23	21-Dec-22	06-Jan-23	249
FEB21390T	Travel for Production Board Design Review	10	0%	21-Dec-22	06-Jan-23	21-Dec-22	06-Jan-23	249
FEB21400	Production Board Design Finalization	10	0%	06-Jan-23	20-Jan-23	06-Jan-23	20-Jan-23	249
FEB21410	Milestone: FEB2 Design ready for Production	0	0%	20-Jan-23		20-Jan-23		249
6.04.02.01.07 LAr FEB2 Production		**828**	**0%**	**11-Aug-21**	**11-Nov-24**	**11-Aug-21**	**18-Nov-24**	**223**
No AP2 Task Group - Temp		**828**	**0%**	**11-Aug-21**	**11-Nov-24**	**11-Aug-21**	**18-Nov-24**	**223**
FEB21484R	REQD: Optical Modules from SMU Final 50%	0	0%	11-Aug-21		11-Aug-21		699
FEB21420M	PMT: for Production Board PCB Fabrication - First 25%	21	0%	20-Jan-23	21-Feb-23	20-Jan-23	21-Feb-23	250
FEB21420	Production Board PCB Fabrication - First 25%	22	0%	20-Jan-23	22-Feb-23	20-Jan-23	22-Feb-23	249
FEB21446R	REQD: Received PA/shaper Chips from BNL - Second 25%	0	0%	31-Jan-23		27-Jan-23		330
FEB21430	Production Board PCB Assembly - First Articles	20	0%	22-Feb-23	22-Mar-23	22-Feb-23	22-Mar-23	249
FEB21430M	Material for Production Board PCB Assembly - First Articles	20	0%	22-Feb-23	22-Mar-23	22-Feb-23	22-Mar-23	249
FEB21430T	Travel for Production Board PCB Assembly - First Articles	20	0%	22-Feb-23	22-Mar-23	22-Feb-23	22-Mar-23	249
FEB21442R	REQD: Received ADC Chips from Nevis/UT Austin - Second 25%	0	0%	08-Mar-23		08-Mar-23		303
FEB21440	Production Board Test - First Articles (QTY = 7)	20	0%	22-Mar-23	19-Apr-23	22-Mar-23	19-Apr-23	249
FEB21440T	Travel for Production Board Test - First Articles (QTY = 7)	20	0%	22-Mar-23	19-Apr-23	22-Mar-23	19-Apr-23	249
FEB21450	Production Board PCB Assembly - First 25% (QTY = 405)	23	0%	19-Apr-23	22-May-23	19-Apr-23	22-May-23	249
FEB21450M	PMT: for Production Board PCB Assembly - First 25% (QTY = 405)	1	0%	19-May-23	22-May-23	19-May-23	22-May-23	254
FEB21490M	PMT: for Production Board PCB Fabrication - Second 25% (QTY = 405)	21	0%	22-May-23	21-Jun-23	22-May-23	21-Jun-23	250
FEB21490	Production Board PCB Fabrication - Second 25% (QTY = 405)	22	0%	22-May-23	22-Jun-23	22-May-23	22-Jun-23	249
FEB21460M	Material for Production Board Test - First 25% (QTY = 405)	42	0%	22-May-23	21-Jul-23	22-May-23	21-Jul-23	254
FEB21460T	Travel for Production Board Test - First 25% (QTY = 405)	42	0%	22-May-23	21-Jul-23	22-May-23	21-Jul-23	254



Primary Baseline | Remaining Work | Milestone
Actual Work | Critical Remaining Work | Summary

Activity ID	Activity Name	Duration	% Complete	BL Start	BL Finish	WS Start	WS Finish	Total Float
FEB21460	Production Board Test - First 25% (QTY = 405)	43	0%	22-May-23	24-Jul-23	22-May-23	24-Jul-23	254
FEB21470M	Material for Ship First Set of 160 FEB2 Boards to BNL	43	0%	22-May-23	24-Jul-23	22-May-23	24-Jul-23	254
FEB21470	Ship First Set of 160 FEB2 Boards to BNL	44	0%	22-May-23	25-Jul-23	22-May-23	25-Jul-23	254
FEB21471A	AVAIL: Set of 160 FEB2 Boards for BNL	0	0%	30-May-23		30-May-23		254
FEB21480	Ship First Set of 160 FEB2 Boards to Non-US Test Facility	44	0%	30-May-23	01-Aug-23	30-May-23	01-Aug-23	319
FEB21480M	Material for Ship First Set of 160 FEB2 Boards to Non-US Test Facility	44	0%	30-May-23	01-Aug-23	30-May-23	01-Aug-23	319
FEB21486R	REQD: Received PA/shaper Chips from BNL - Third 25%	0	0%	05-Jun-23		01-Jun-23		312
FEB21500	Production Board PCB Assembly - Second 25% (QTY = 405)	21	0%	22-Jun-23	24-Jul-23	22-Jun-23	24-Jul-23	249
FEB21500T	Travel for Production Board PCB Assembly - Second 25% (QTY = 405)	21	0%	22-Jun-23	24-Jul-23	22-Jun-23	24-Jul-23	249
FEB21482R	REQD: Received ADC Chips from Nevis/UT Austin - Third 25%	0	0%	29-Jun-23		29-Jun-23		292
FEB21500M	PMT: for Production Board PCB Assembly - Second 25% (QTY = 405)	1	0%	21-Jul-23	24-Jul-23	21-Jul-23	24-Jul-23	249
FEB21550	Production Board PCB Fabrication - Third 25% (QTY = 405)	23	0%	24-Jul-23	24-Aug-23	24-Jul-23	24-Aug-23	276
FEB21550M	PMT: for Production Board PCB Fabrication - Third 25% (QTY = 405)	23	0%	24-Jul-23	24-Aug-23	24-Jul-23	24-Aug-23	276
FEB21530M	Material for Ship Second Set of 160 FEB2 Boards to BNL	42	0%	24-Jul-23	21-Sep-23	24-Jul-23	21-Sep-23	283
FEB21540M	Material for Ship Second Set of 160 FEB2 Boards to Non-US Test Facility	42	0%	24-Jul-23	21-Sep-23	24-Jul-23	21-Sep-23	283
FEB21530	Ship Second Set of 160 FEB2 Boards to BNL	43	0%	24-Jul-23	22-Sep-23	24-Jul-23	22-Sep-23	249
FEB21540	Ship Second Set of 160 FEB2 Boards to Non-US Test Facility	43	0%	24-Jul-23	22-Sep-23	24-Jul-23	22-Sep-23	283
FEB21510	Production Board Test - Second 25% (QTY = 405)	44	0%	24-Jul-23	25-Sep-23	24-Jul-23	25-Sep-23	249
FEB21530A	AVAIL: Second Set of 160 FEB2 Boards for BNL	0	0%		31-Jul-23		31-Jul-23	249
FEB21560T	Travel for Production Board PCB Assembly - Third 25% (QTY = 405)	20	0%	25-Aug-23	22-Sep-23	25-Aug-23	22-Sep-23	277
FEB21560	Production Board PCB Assembly - Third 25% (QTY = 405)	21	0%	25-Aug-23	25-Sep-23	25-Aug-23	25-Sep-23	276
FEB21560M	PMT: for Production Board PCB Assembly - Third 25% (QTY = 405)	1	0%	25-Sep-23	25-Sep-23	25-Sep-23	25-Sep-23	276
FEB21541	Milestone: FEB2 Fabrication 50% Complete	0	0%		25-Sep-23		25-Sep-23	281
FEB21570	Production Board Test - Third 25% (QTY = 405)	44	0%	26-Sep-23	28-Nov-23	26-Sep-23	28-Nov-23	276
FEB21719R	REQD: First 25% FEB2 from BNL	0	0%	03-Nov-23		02-Oct-23		264
FEB21720T	Travel for FEB2 Acceptance Tests at CERN - First 25%	29	0%	03-Nov-23	15-Dec-23	02-Oct-23	13-Nov-23	292
FEB21720	FEB2 Acceptance Tests at CERN - First 25%	30	0%	03-Nov-23	18-Dec-23	02-Oct-23	14-Nov-23	264
FEB21580A	AVAIL: Third Set of 160 FEB2 Boards for BNL	0	0%	03-Oct-23		03-Oct-23		276
FEB21580M	Material for Ship Third Set of 160 FEB2 Boards to BNL	42	0%	03-Oct-23	01-Dec-23	03-Oct-23	01-Dec-23	341

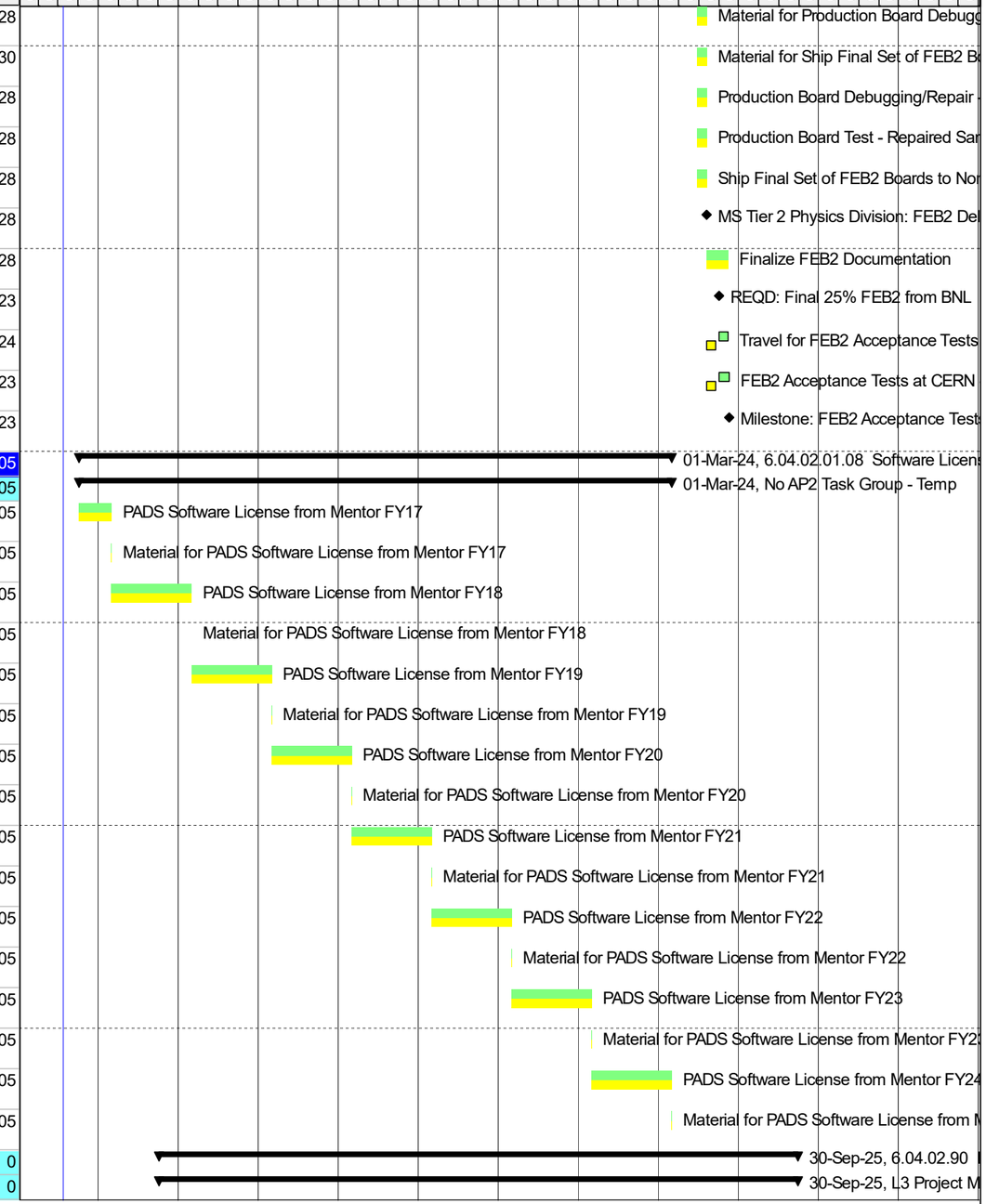


Primary Baseline | Remaining Work | Milestone
Actual Work | Critical Remaining Work | Summary

Activity ID	Activity Name	Duration	% Complete	BL Start	BL Finish	WS Start	WS Finish	Total Float
FEB21590M	Material for Ship Third Set of 160 FEB2 Boards to Non-US Test Facility	42	0%	03-Oct-23	01-Dec-23	03-Oct-23	01-Dec-23	341
FEB21580	Ship Third Set of 160 FEB2 Boards to BNL	43	0%	03-Oct-23	04-Dec-23	03-Oct-23	04-Dec-23	276
FEB21590	Ship Third Set of 160 FEB2 Boards to Non-US Test Facility	43	0%	03-Oct-23	04-Dec-23	03-Oct-23	04-Dec-23	341
FEB21545R	REQD: Received all PA/shaper Chips Final 25%	0	0%	09-Oct-23		05-Oct-23		288
FEB21725	Schedule Contingency	0	0%	18-Dec-23	18-Dec-23	14-Nov-23	14-Nov-23	264
FEB21729R	REQD: 2nd 25% FEB2 from BNL	0	0%	15-Jan-24		07-Dec-23		276
FEB21730T	Travel for FEB2 Acceptance Tests at CERN - Second 25%	29	0%	15-Jan-24	26-Feb-24	07-Dec-23	18-Jan-24	361
FEB21730	FEB2 Acceptance Tests at CERN - Second 25%	30	0%	15-Jan-24	27-Feb-24	07-Dec-23	19-Jan-24	276
FEB21542R	REQD: Received all ADC Chips Final 25%	0	0%	09-Jan-24		09-Jan-24		223
FEB21600	Production Board PCB Fabrication - Final 25% (QTY = 405)	22	0%	09-Jan-24	08-Feb-24	09-Jan-24	08-Feb-24	223
FEB21740	Milestone: FEB2 Acceptance Tests at CERN - 50% Complete	0	0%		27-Feb-24		19-Jan-24	360
FEB21600M	PMT: for Production Board PCB Fabrication - Final 25% (QTY = 405)	1	0%	07-Feb-24	08-Feb-24	07-Feb-24	08-Feb-24	223
FEB21610	Production Board PCB Assembly - Final 25% (QTY = 405)	22	0%	08-Feb-24	12-Mar-24	08-Feb-24	12-Mar-24	223
FEB21610T	Travel for Production Board PCB Assembly - Final 25% (QTY = 405)	22	0%	08-Feb-24	12-Mar-24	08-Feb-24	12-Mar-24	223
FEB21610M	PMT: for Production Board PCB Assembly - Final 25% (QTY = 405)	1	0%	11-Mar-24	12-Mar-24	11-Mar-24	12-Mar-24	223
FEB21640M	Material for Ship Fourth Set of 160 FEB2 Boards to BNL	41	0%	12-Mar-24	08-May-24	12-Mar-24	08-May-24	231
FEB21650M	Material for Ship Fourth Set of 160 FEB2 Boards to Non-US Test Facility	41	0%	12-Mar-24	08-May-24	12-Mar-24	08-May-24	231
FEB21640	Ship Fourth Set of 160 FEB2 Boards to BNL	43	0%	12-Mar-24	10-May-24	12-Mar-24	10-May-24	223
FEB21650	Ship Fourth Set of 160 FEB2 Boards to Non-US Test Facility	43	0%	12-Mar-24	10-May-24	12-Mar-24	10-May-24	231
FEB21620	Production Board Test - Final 25% (QTY = 405)	44	0%	12-Mar-24	13-May-24	12-Mar-24	13-May-24	223
FEB21640A	AVAIL: Fourth Set of 160 FEB2 Boards for BNL	0	0%	19-Mar-24		19-Mar-24		223
FEB21630	Milestone: FEB2 Fabrication 100% Complete	0	0%		13-May-24		13-May-24	228
FEB21660M	Material for Production Board Debugging/Repair - 1st 50% (QTY =	29	0%	13-May-24	24-Jun-24	13-May-24	24-Jun-24	228
FEB21680M	Material for Ship Final Set of FEB2 Boards to BNL (QTY = 166)	29	0%	13-May-24	24-Jun-24	13-May-24	24-Jun-24	258
FEB21660	Production Board Debugging/Repair - 1st 50% (QTY = 174)	30	0%	13-May-24	25-Jun-24	13-May-24	25-Jun-24	228
FEB21670	Production Board Test - Repaired Sample - 1st 50% (QTY = 174)	30	0%	13-May-24	25-Jun-24	13-May-24	25-Jun-24	228
FEB21680	Ship Final Set of FEB2 Boards to BNL (QTY = 166)	30	0%	13-May-24	25-Jun-24	13-May-24	25-Jun-24	228
FEB21749R	REQD: 3rd 25% FEB2 from BNL	0	0%	16-May-24		16-May-24		277
FEB21750T	Travel for FEB2 Acceptance Tests at CERN - Third 25%	29	0%	16-May-24	27-Jun-24	16-May-24	27-Jun-24	292
FEB21750	FEB2 Acceptance Tests at CERN - Third 25%	30	0%	16-May-24	28-Jun-24	16-May-24	28-Jun-24	277

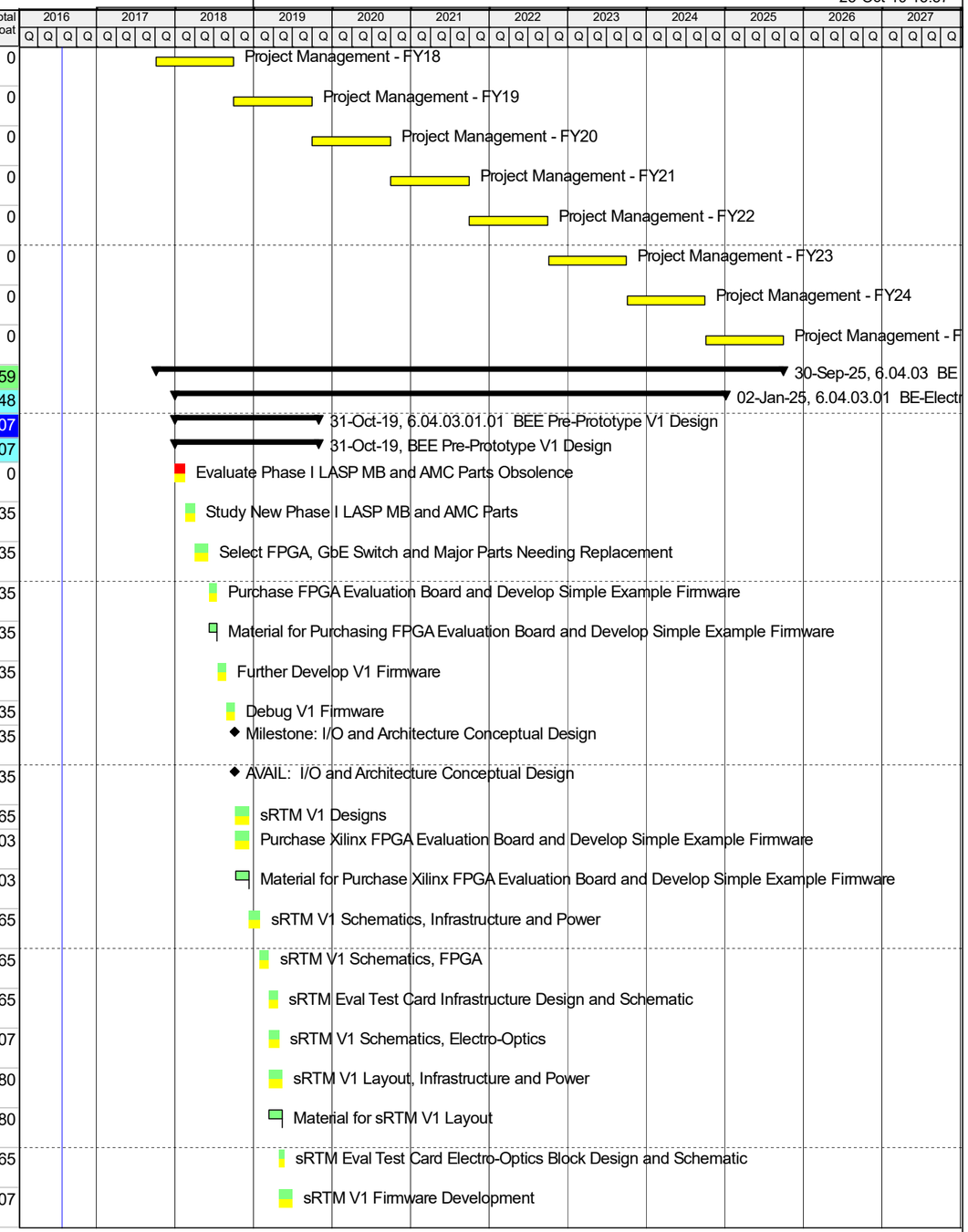
Primary Baseline | Remaining Work | Milestone
Actual Work | Critical Remaining Work | Summary

Activity ID	Activity Name	Duration	% Complete	BL Start	BL Finish	WS Start	WS Finish	Total Float
FEB21683M	Material for Production Board Debugging/Repair - 2nd 50% (QTY =	28	0%	25-Jun-24	05-Aug-24	25-Jun-24	05-Aug-24	228
FEB21690M	Material for Ship Final Set of FEB2 Boards to Non-US Test Facility (QTY =	28	0%	25-Jun-24	05-Aug-24	25-Jun-24	05-Aug-24	230
FEB21683	Production Board Debugging/Repair - 2nd 50% (QTY = 173)	30	0%	25-Jun-24	07-Aug-24	25-Jun-24	07-Aug-24	228
FEB21687	Production Board Test - Repaired Sample - 2nd 50% (QTY = 173)	30	0%	25-Jun-24	07-Aug-24	25-Jun-24	07-Aug-24	228
FEB21690	Ship Final Set of FEB2 Boards to Non-US Test Facility (QTY = 166)	30	0%	25-Jun-24	07-Aug-24	25-Jun-24	07-Aug-24	228
FEB21700	MS Tier 2 Physics Division: FEB2 Delivery Complete	0	0%		07-Aug-24		07-Aug-24	228
FEB21710	Finalize FEB2 Documentation	66	0%	07-Aug-24	11-Nov-24	07-Aug-24	11-Nov-24	228
FEB21759R	REQD: Final 25% FEB2 from BNL	0	0%	05-Aug-24		04-Oct-24		223
FEB21760T	Travel for FEB2 Acceptance Tests at CERN - Final 25%	29	0%	07-Aug-24	18-Sep-24	04-Oct-24	15-Nov-24	224
FEB21760	FEB2 Acceptance Tests at CERN - Final 25%	30	0%	07-Aug-24	19-Sep-24	04-Oct-24	18-Nov-24	223
FEB21770	Milestone: FEB2 Acceptance Tests at CERN - 100% Complete	0	0%		19-Sep-24		18-Nov-24	223
6.04.02.01.08 Software License		**1874**	**0%**	**03-Oct-16**	**01-Mar-24**	**03-Oct-16**	**01-Mar-24**	**405**
No AP2 Task Group - Temp		**1874**	**0%**	**03-Oct-16**	**01-Mar-24**	**03-Oct-16**	**01-Mar-24**	**405**
FEB21780	PADS Software License from Mentor FY17	103	0%	03-Oct-16	01-Mar-17	03-Oct-16	01-Mar-17	405
FEB21780M	Material for PADS Software License from Mentor FY17	1	0%	01-Mar-17	01-Mar-17	01-Mar-17	01-Mar-17	405
FEB21790	PADS Software License from Mentor FY18	253	0%	02-Mar-17	01-Mar-18	02-Mar-17	01-Mar-18	405
FEB21790M	Material for PADS Software License from Mentor FY18	1	0%	01-Mar-18	01-Mar-18	01-Mar-18	01-Mar-18	405
FEB21800	PADS Software License from Mentor FY19	253	0%	02-Mar-18	01-Mar-19	02-Mar-18	01-Mar-19	405
FEB21800M	Material for PADS Software License from Mentor FY19	1	0%	01-Mar-19	01-Mar-19	01-Mar-19	01-Mar-19	405
FEB21810	PADS Software License from Mentor FY20	253	0%	04-Mar-19	02-Mar-20	04-Mar-19	02-Mar-20	405
FEB21810M	Material for PADS Software License from Mentor FY20	1	0%	02-Mar-20	02-Mar-20	02-Mar-20	02-Mar-20	405
FEB21820	PADS Software License from Mentor FY21	252	0%	03-Mar-20	01-Mar-21	03-Mar-20	01-Mar-21	405
FEB21820M	Material for PADS Software License from Mentor FY21	1	0%	01-Mar-21	01-Mar-21	01-Mar-21	01-Mar-21	405
FEB21830	PADS Software License from Mentor FY22	253	0%	02-Mar-21	01-Mar-22	02-Mar-21	01-Mar-22	405
FEB21830M	Material for PADS Software License from Mentor FY22	1	0%	01-Mar-22	01-Mar-22	01-Mar-22	01-Mar-22	405
FEB21840	PADS Software License from Mentor FY23	253	0%	02-Mar-22	01-Mar-23	02-Mar-22	01-Mar-23	405
FEB21840M	Material for PADS Software License from Mentor FY23	1	0%	01-Mar-23	01-Mar-23	01-Mar-23	01-Mar-23	405
FEB21850	PADS Software License from Mentor FY24	254	0%	02-Mar-23	01-Mar-24	02-Mar-23	01-Mar-24	405
FEB21850M	Material for PADS Software License from Mentor FY24	1	0%	01-Mar-24	01-Mar-24	01-Mar-24	01-Mar-24	405
6.04.02.90 L3 Project Management		**2023**	**0%**	**02-Oct-17**	**30-Sep-25**	**02-Oct-17**	**30-Sep-25**	**0**
L3 Project Management		**2023**	**0%**	**02-Oct-17**	**30-Sep-25**	**02-Oct-17**	**30-Sep-25**	**0**



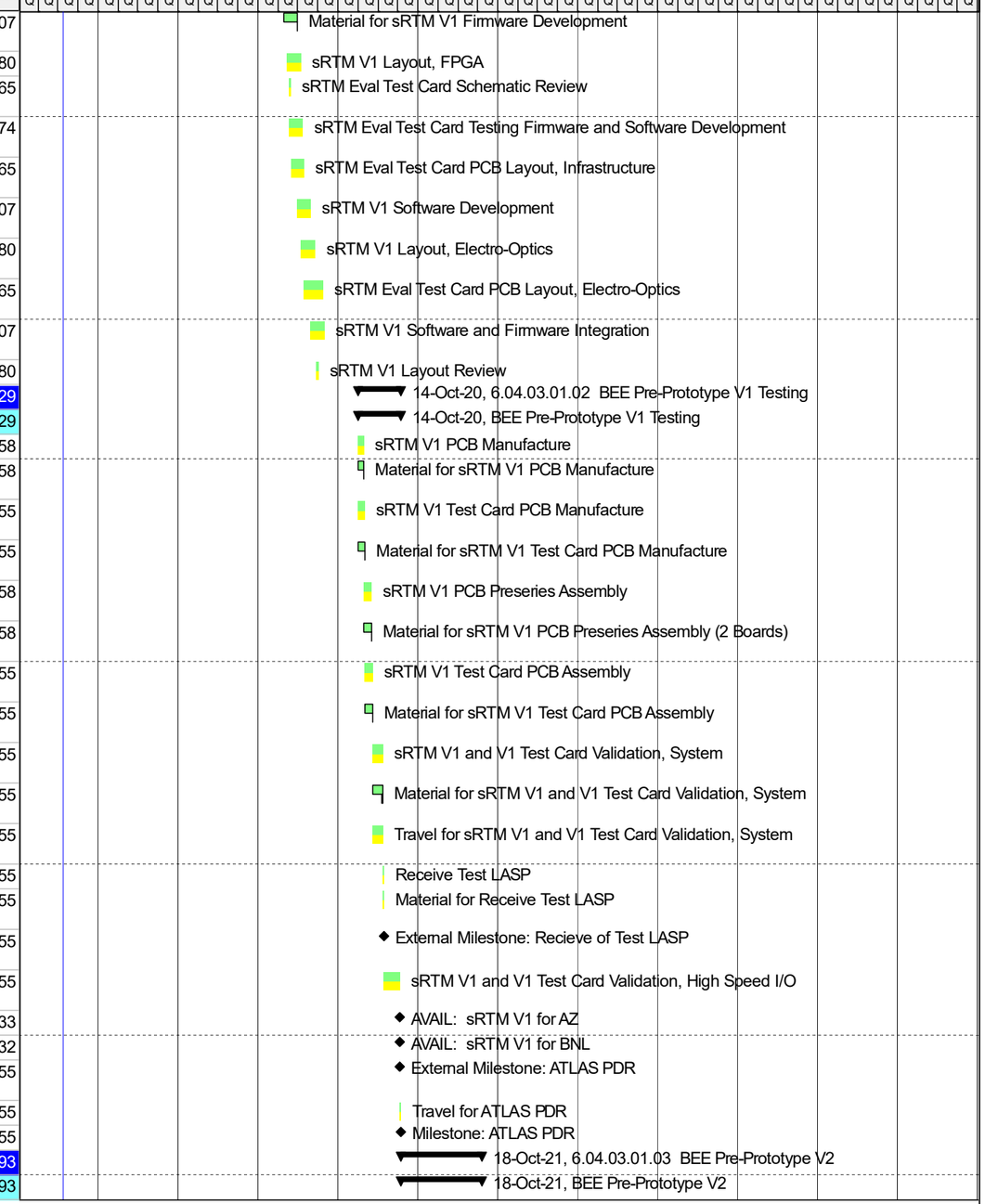
Primary Baseline | Remaining Work | Milestone
Actual Work | Critical Remaining Work | Summary

Activity ID	Activity Name	Duration	% Complete	BL Start	BL Finish	WS Start	WS Finish	Total Float
MGT43170	Project Management - FY18	252	0%	02-Oct-17	28-Sep-18	02-Oct-17	28-Sep-18	0
MGT43180	Project Management - FY19	253	0%	01-Oct-18	30-Sep-19	01-Oct-18	30-Sep-19	0
MGT43190	Project Management - FY20	254	0%	01-Oct-19	30-Sep-20	01-Oct-19	30-Sep-20	0
MGT43200	Project Management - FY21	253	0%	01-Oct-20	30-Sep-21	01-Oct-20	30-Sep-21	0
MGT43210	Project Management - FY22	253	0%	01-Oct-21	30-Sep-22	01-Oct-21	30-Sep-22	0
MGT43220	Project Management - FY23	252	0%	03-Oct-22	29-Sep-23	03-Oct-22	29-Sep-23	0
MGT43230	Project Management - FY24	253	0%	02-Oct-23	30-Sep-24	02-Oct-23	30-Sep-24	0
MGT43240	Project Management - FY25	253	0%	01-Oct-24	30-Sep-25	01-Oct-24	30-Sep-25	0
6.04.03 BE Electronics		2023	0%	02-Oct-17	23-Dec-25	02-Oct-17	30-Sep-25	759
6.04.03.01 BE-Electronics-SB		1772	0%	02-Jan-18	19-Dec-24	02-Jan-18	02-Jan-25	948
6.04.03.01.01 BEE Pre-Prototype V1 Design		465	0%	02-Jan-18	31-Oct-19	02-Jan-18	31-Oct-19	307
BEE Pre-Prototype V1 Design		465	0%	02-Jan-18	31-Oct-19	02-Jan-18	31-Oct-19	307
BEE10010	Evaluate Phase I LASP MB and AMC Parts Obsolence	34	0%	02-Jan-18	16-Feb-18	02-Jan-18*	16-Feb-18	0
BEE10020	Study New Phase I LASP MB and AMC Parts	31	0%	20-Feb-18	03-Apr-18	20-Feb-18	03-Apr-18	235
BEE10030	Select FPGA, GbE Switch and Major Parts Needing Replacement	44	0%	04-Apr-18	05-Jun-18	04-Apr-18	05-Jun-18	235
BEE10040	Purchase FPGA Evaluation Board and Develop Simple Example Firmware	28	0%	06-Jun-18	16-Jul-18	06-Jun-18	16-Jul-18	235
BEE10040M	Material for Purchasing FPGA Evaluation Board and Develop Simple	28	0%	16-Jul-18	16-Jul-18	06-Jun-18	16-Jul-18	235
BEE10050	Further Develop V1 Firmware	29	0%	17-Jul-18	24-Aug-18	17-Jul-18	24-Aug-18	235
BEE10060	Debug V1 Firmware	29	0%	27-Aug-18	05-Oct-18	27-Aug-18	05-Oct-18	235
BEE10070	Milestone: I/O and Architecture Conceptual Design	0	0%		05-Oct-18		05-Oct-18	235
BEE10075A	AVAIL: I/O and Architecture Conceptual Design	0	0%		05-Oct-18		05-Oct-18	235
BEE10080	sRTM V1 Designs	45	0%	08-Oct-18	11-Dec-18	08-Oct-18	11-Dec-18	265
BEE10085	Purchase Xilinx FPGA Evaluation Board and Develop Simple Example Firmware	45	0%	08-Oct-18	11-Dec-18	08-Oct-18	11-Dec-18	403
BEE10085M	Material for Purchase Xilinx FPGA Evaluation Board and Develop Simple	45	0%	11-Dec-18	11-Dec-18	08-Oct-18	11-Dec-18	403
BEE10090	sRTM V1 Schematics, Infrastructure and Power	33	0%	12-Dec-18	29-Jan-19	12-Dec-18	29-Jan-19	265
BEE10095	sRTM V1 Schematics, FPGA	31	0%	30-Jan-19	14-Mar-19	30-Jan-19	14-Mar-19	265
BEE10150	sRTM Eval Test Card Infrastructure Design and Schematic	30	0%	15-Mar-19	25-Apr-19	15-Mar-19	25-Apr-19	265
BEE10100	sRTM V1 Schematics, Electro-Optics	32	0%	15-Mar-19	29-Apr-19	15-Mar-19	29-Apr-19	307
BEE10125	sRTM V1 Layout, Infrastructure and Power	43	0%	15-Mar-19	14-May-19	15-Mar-19	14-May-19	280
BEE10125M	Material for sRTM V1 Layout	43	0%	14-May-19	14-May-19	15-Mar-19	14-May-19	280
BEE10160	sRTM Eval Test Card Electro-Optics Block Design and Schematic	20	0%	26-Apr-19	23-May-19	26-Apr-19	23-May-19	265
BEE10105	sRTM V1 Firmware Development	43	0%	30-Apr-19	28-Jun-19	30-Apr-19	28-Jun-19	307



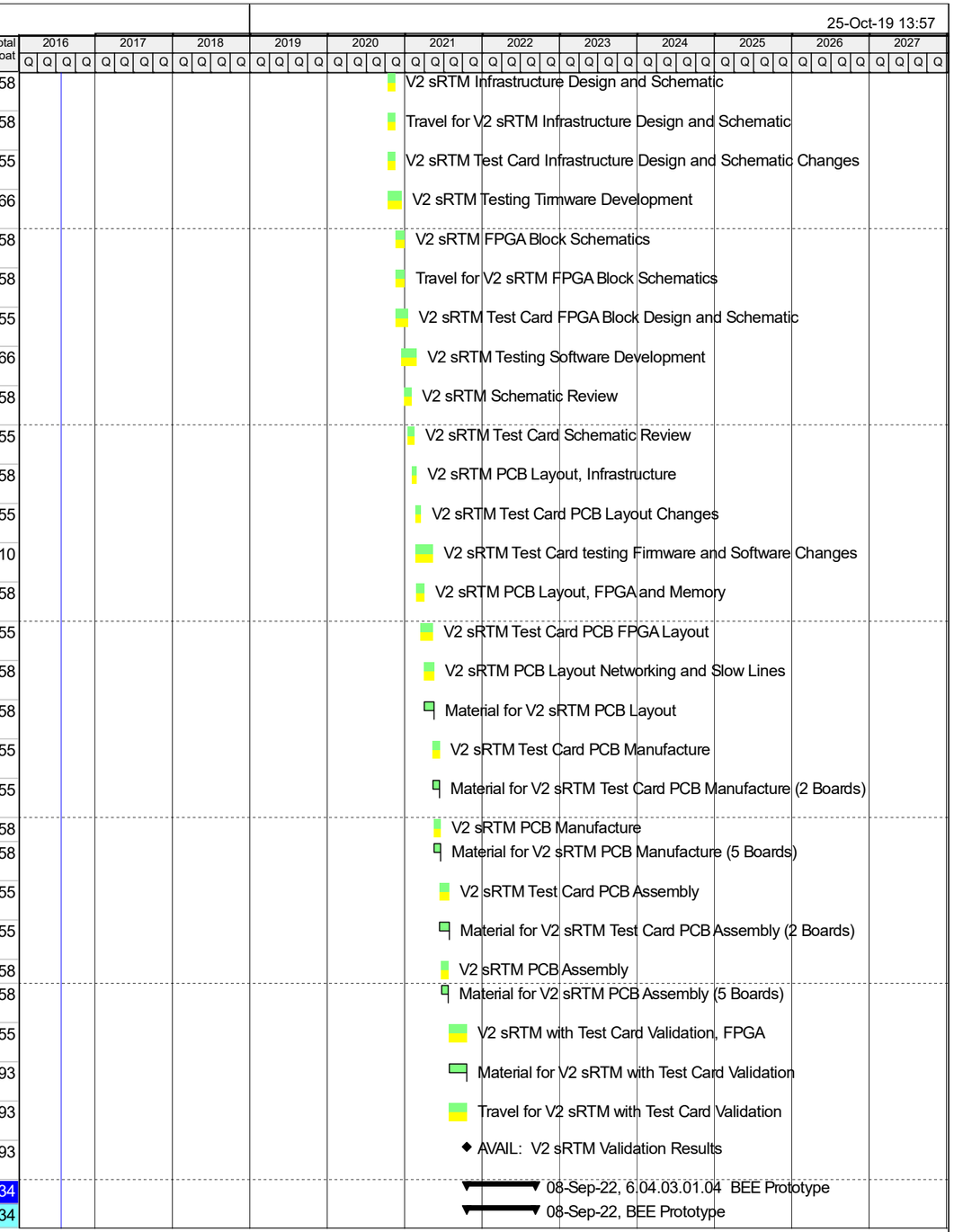
Primary Baseline | Remaining Work | Milestone
Actual Work | Critical Remaining Work | Summary

Activity ID	Activity Name	Duration	% Complete	BL Start	BL Finish	WS Start	WS Finish	Total Float
BEE10105M	Material for sRTM V1 Firmware Development	43	0%	28-Jun-19	28-Jun-19	30-Apr-19	28-Jun-19	307
BEE10130	sRTM V1 Layout, FPGA	42	0%	15-May-19	15-Jul-19	15-May-19	15-Jul-19	280
BEE10170	sRTM Eval Test Card Schematic Review	5	0%	24-May-19	31-May-19	24-May-19	31-May-19	265
BEE10180	sRTM Eval Test Card Testing Firmware and Software Development	44	0%	24-May-19	26-Jul-19	24-May-19	26-Jul-19	374
BEE10190	sRTM Eval Test Card PCB Layout, Infrastructure	40	0%	03-Jun-19	29-Jul-19	03-Jun-19	29-Jul-19	265
BEE10110	sRTM V1 Software Development	43	0%	01-Jul-19	29-Aug-19	01-Jul-19	29-Aug-19	307
BEE10135	sRTM V1 Layout, Electro-Optics	48	0%	16-Jul-19	20-Sep-19	16-Jul-19	20-Sep-19	280
BEE10195	sRTM Eval Test Card PCB Layout, Electro-Optics	60	0%	30-Jul-19	23-Oct-19	30-Jul-19	23-Oct-19	265
BEE10120	sRTM V1 Software and Firmware Integration	43	0%	29-Aug-19	31-Oct-19	29-Aug-19	31-Oct-19	307
BEE10140	sRTM V1 Layout Review	10	0%	23-Sep-19	04-Oct-19	23-Sep-19	04-Oct-19	280
6.04.03.01.02 BEE Pre-Prototype V1 Testing		**137**	**0%**	**01-Apr-20**	**14-Oct-20**	**01-Apr-20**	**14-Oct-20**	**329**
BEE Pre-Prototype V1 Testing		**137**	**0%**	**01-Apr-20**	**14-Oct-20**	**01-Apr-20**	**14-Oct-20**	**329**
BEE10200	sRTM V1 PCB Manufacture	20	0%	01-Apr-20	28-Apr-20	01-Apr-20	28-Apr-20	158
BEE10200M	Material for sRTM V1 PCB Manufacture	20	0%	28-Apr-20	28-Apr-20	01-Apr-20	28-Apr-20	158
BEE10220	sRTM V1 Test Card PCB Manufacture	23	0%	01-Apr-20	01-May-20	01-Apr-20	01-May-20	155
BEE10220M	Material for sRTM V1 Test Card PCB Manufacture	23	0%	01-May-20	01-May-20	01-Apr-20	01-May-20	155
BEE10210	sRTM V1 PCB Preseries Assembly	25	0%	29-Apr-20	03-Jun-20	29-Apr-20	03-Jun-20	158
BEE10210M	Material for sRTM V1 PCB Preseries Assembly (2 Boards)	25	0%	03-Jun-20	03-Jun-20	29-Apr-20	03-Jun-20	158
BEE10230	sRTM V1 Test Card PCB Assembly	25	0%	04-May-20	08-Jun-20	04-May-20	08-Jun-20	155
BEE10230M	Material for sRTM V1 Test Card PCB Assembly	25	0%	08-Jun-20	08-Jun-20	04-May-20	08-Jun-20	155
BEE10240	sRTM V1 and V1 Test Card Validation, System	30	0%	09-Jun-20	21-Jul-20	09-Jun-20	21-Jul-20	155
BEE10240M	Material for sRTM V1 and V1 Test Card Validation, System	30	0%	21-Jul-20	21-Jul-20	09-Jun-20	21-Jul-20	155
BEE10240T	Travel for sRTM V1 and V1 Test Card Validation, System	30	0%	09-Jun-20	21-Jul-20	09-Jun-20	21-Jul-20	155
BEE10250	Receive Test LASP	5	0%	22-Jul-20	28-Jul-20	22-Jul-20	28-Jul-20	155
BEE10250M	Material for Receive Test LASP	5	0%	22-Jul-20	28-Jul-20	22-Jul-20	28-Jul-20	155
BEE10260EX	External Milestone: Recieve of Test LASP	0	0%		28-Jul-20		28-Jul-20	155
BEE10270	sRTM V1 and V1 Test Card Validation, High Speed I/O	50	0%	29-Jul-20	07-Oct-20	29-Jul-20	07-Oct-20	155
BEE10275A	AVAIL: sRTM V1 for AZ	0	0%		07-Oct-20		07-Oct-20	333
BEE10280A	AVAIL: sRTM V1 for BNL	0	0%		07-Oct-20		07-Oct-20	232
BEE10285EX	External Milestone: ATLAS PDR	0	0%	08-Oct-20		08-Oct-20		155
BEE10290T	Travel for ATLAS PDR	4	0%	08-Oct-20	14-Oct-20	08-Oct-20	14-Oct-20	155
BEE10295	Milestone: ATLAS PDR	0	0%		14-Oct-20		14-Oct-20	155
6.04.03.01.03 BEE Pre-Prototype V2		**255**	**0%**	**15-Oct-20**	**18-Oct-21**	**15-Oct-20**	**18-Oct-21**	**193**
BEE Pre-Prototype V2		**255**	**0%**	**15-Oct-20**	**18-Oct-21**	**15-Oct-20**	**18-Oct-21**	**193**



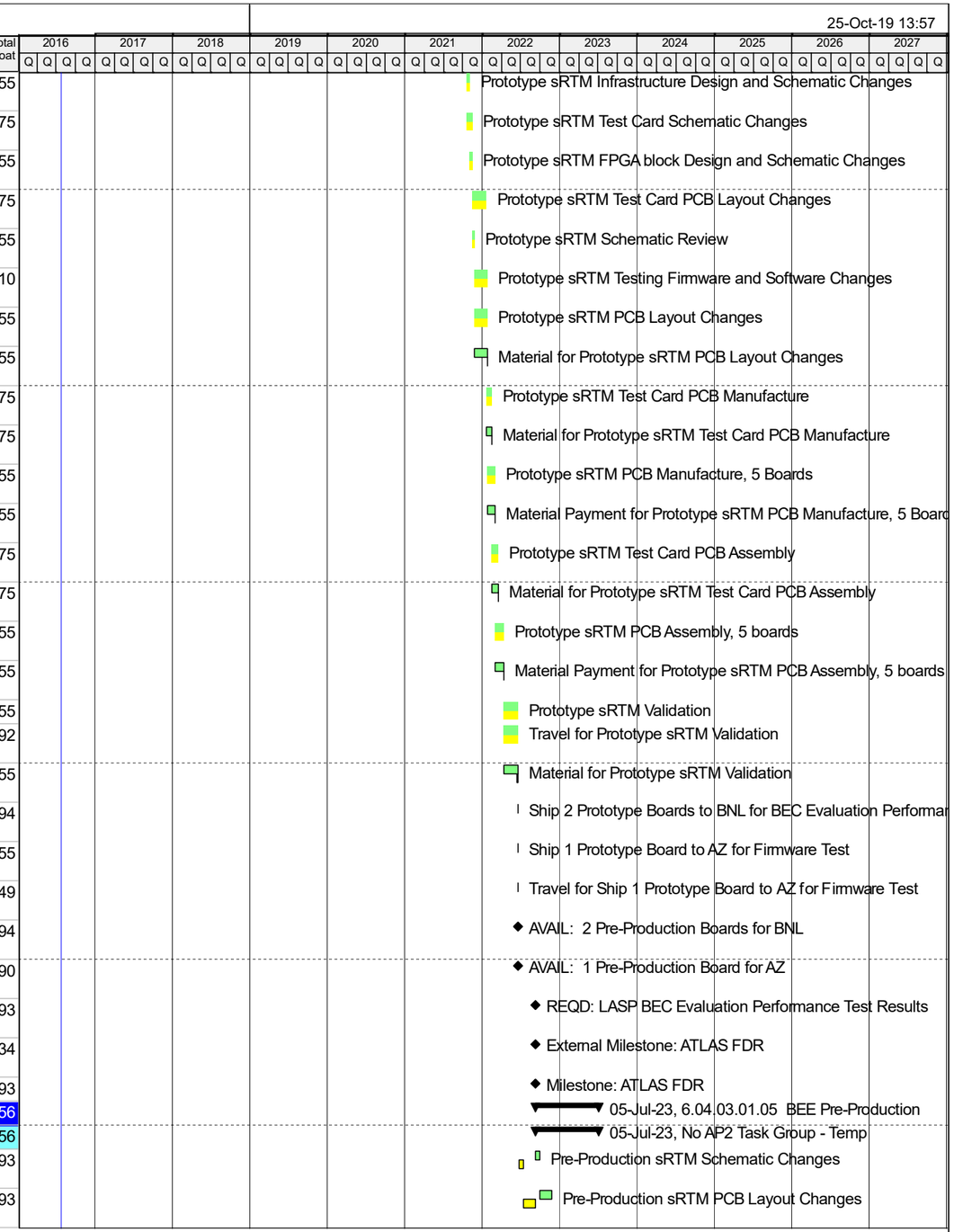
Primary Baseline | Remaining Work | Milestone
Actual Work | Critical Remaining Work | Summary

Activity ID	Activity Name	Duration	% Complete	BL Start	BL Finish	WS Start	WS Finish	Total Float
BEE10300	V2 sRTM Infrastructure Design and Schematic	23	0%	15-Oct-20	16-Nov-20	15-Oct-20	16-Nov-20	158
BEE10300T	Travel for V2 sRTM Infrastructure Design and Schematic	23	0%	15-Oct-20	16-Nov-20	15-Oct-20	16-Nov-20	158
BEE10380	V2 sRTM Test Card Infrastructure Design and Schematic Changes	23	0%	15-Oct-20	16-Nov-20	15-Oct-20	16-Nov-20	155
BEE10310	V2 sRTM Testing Tirmware Development	44	0%	15-Oct-20	16-Dec-20	15-Oct-20	16-Dec-20	266
BEE10320	V2 sRTM FPGA Block Schematics	30	0%	17-Nov-20	30-Dec-20	17-Nov-20	30-Dec-20	158
BEE10320T	Travel for V2 sRTM FPGA Block Schematics	30	0%	17-Nov-20	30-Dec-20	17-Nov-20	30-Dec-20	158
BEE10385	V2 sRTM Test Card FPGA Block Design and Schematic	40	0%	17-Nov-20	14-Jan-21	17-Nov-20	14-Jan-21	155
BEE10335	V2 sRTM Testing Software Development	45	0%	16-Dec-20	22-Feb-21	16-Dec-20	22-Feb-21	266
BEE10330	V2 sRTM Schematic Review	22	0%	31-Dec-20	01-Feb-21	31-Dec-20	01-Feb-21	158
BEE10390	V2 sRTM Test Card Schematic Review	22	0%	15-Jan-21	16-Feb-21	15-Jan-21	16-Feb-21	155
BEE10340	V2 sRTM PCB Layout, Infrastructure	15	0%	02-Feb-21	23-Feb-21	02-Feb-21	23-Feb-21	158
BEE10395	V2 sRTM Test Card PCB Layout Changes	20	0%	17-Feb-21	16-Mar-21	17-Feb-21	16-Mar-21	155
BEE10405	V2 sRTM Test Card testing Firmware and Software Changes	60	0%	17-Feb-21	11-May-21	17-Feb-21	11-May-21	210
BEE10345	V2 sRTM PCB Layout, FPGA and Memory	25	0%	24-Feb-21	30-Mar-21	24-Feb-21	30-Mar-21	158
BEE10400	V2 sRTM Test Card PCB FPGA Layout	40	0%	17-Mar-21	11-May-21	17-Mar-21	11-May-21	155
BEE10350	V2 sRTM PCB Layout Networking and Slow Lines	35	0%	31-Mar-21	18-May-21	31-Mar-21	18-May-21	158
BEE10350M	Material for V2 sRTM PCB Layout	35	0%	18-May-21	18-May-21	31-Mar-21	18-May-21	158
BEE10410	V2 sRTM Test Card PCB Manufacture	23	0%	12-May-21	14-Jun-21	12-May-21	14-Jun-21	155
BEE10410M	Material for V2 sRTM Test Card PCB Manufacture (2 Boards)	23	0%	14-Jun-21	14-Jun-21	12-May-21	14-Jun-21	155
BEE10360	V2 sRTM PCB Manufacture	22	0%	19-May-21	18-Jun-21	19-May-21	18-Jun-21	158
BEE10360M	Material for V2 sRTM PCB Manufacture (5 Boards)	22	0%	18-Jun-21	18-Jun-21	19-May-21	18-Jun-21	158
BEE10415	V2 sRTM Test Card PCB Assembly	32	0%	15-Jun-21	29-Jul-21	15-Jun-21	29-Jul-21	155
BEE10415M	Material for V2 sRTM Test Card PCB Assembly (2 Boards)	32	0%	29-Jul-21	29-Jul-21	15-Jun-21	29-Jul-21	155
BEE10370	V2 sRTM PCB Assembly	25	0%	21-Jun-21	26-Jul-21	21-Jun-21	26-Jul-21	158
BEE10370M	Material for V2 sRTM PCB Assembly (5 Boards)	25	0%	26-Jul-21	26-Jul-21	21-Jun-21	26-Jul-21	158
BEE10420	V2 sRTM with Test Card Validation, FPGA	55	0%	30-Jul-21	18-Oct-21	30-Jul-21	18-Oct-21	155
BEE10420M	Material for V2 sRTM with Test Card Validation	55	0%	18-Oct-21	18-Oct-21	30-Jul-21	18-Oct-21	193
BEE10420T	Travel for V2 sRTM with Test Card Validation	55	0%	30-Jul-21	18-Oct-21	30-Jul-21	18-Oct-21	193
BEE10425A	AVAIL: V2 sRTM Validation Results	0	0%		18-Oct-21		18-Oct-21	193
6.04.03.01.04 BEE Prototype		**225**	**0%**	**19-Oct-21**	**21-Jun-22**	**19-Oct-21**	**08-Sep-22**	**1534**
BEE Prototype		**225**	**0%**	**19-Oct-21**	**21-Jun-22**	**19-Oct-21**	**08-Sep-22**	**1534**



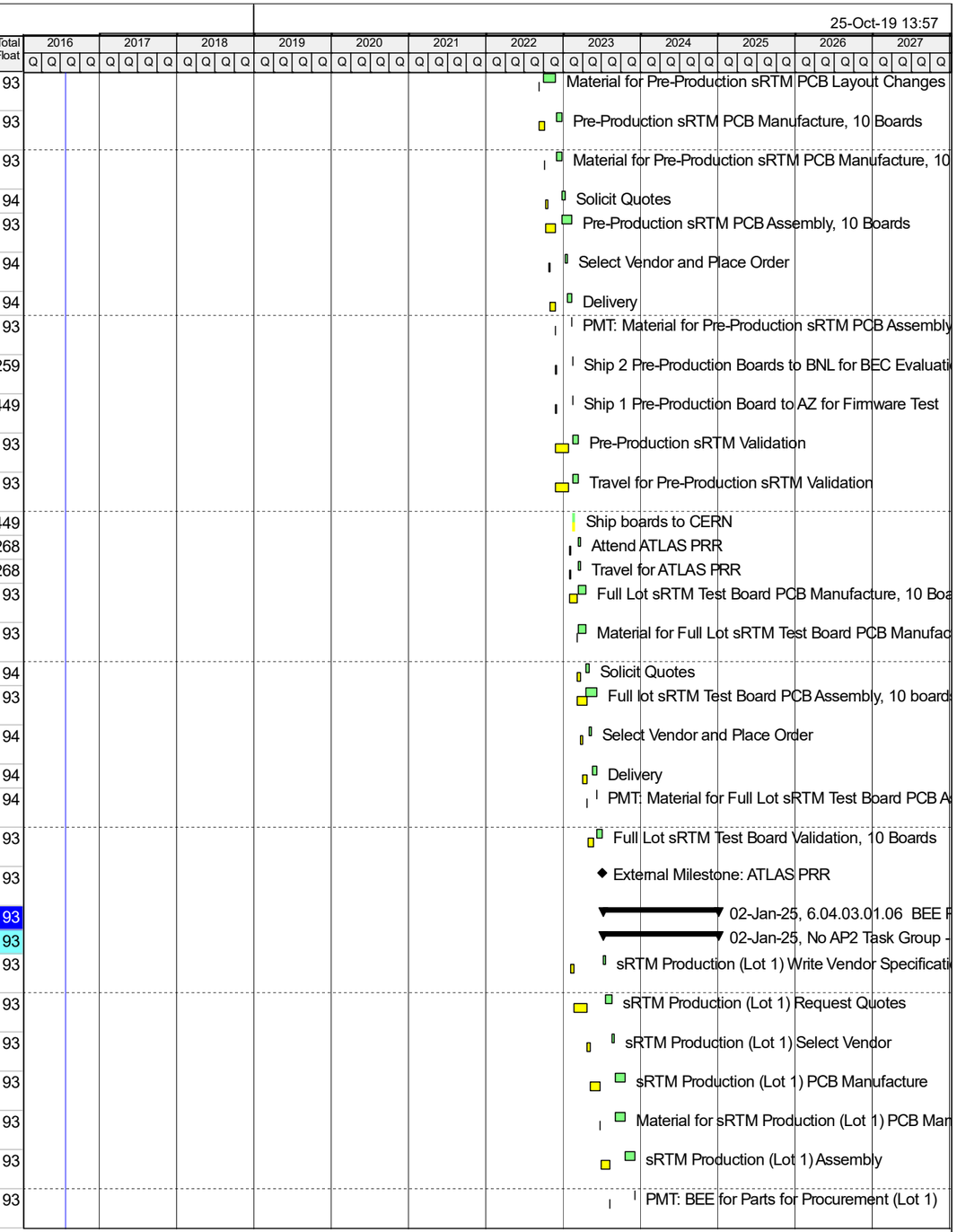
Primary Baseline | Remaining Work | Milestone
Actual Work | Critical Remaining Work | Summary

Activity ID	Activity Name	Duration	% Complete	BL Start	BL Finish	WS Start	WS Finish	Total Float
BEE10520	Prototype sRTM Infrastructure Design and Schematic Changes	10	0%	19-Oct-21	01-Nov-21	19-Oct-21	01-Nov-21	155
BEE10620	Prototype sRTM Test Card Schematic Changes	18	0%	19-Oct-21	11-Nov-21	19-Oct-21	11-Nov-21	175
BEE10530	Prototype sRTM FPGA block Design and Schematic Changes	10	0%	02-Nov-21	15-Nov-21	02-Nov-21	15-Nov-21	155
BEE10630	Prototype sRTM Test Card PCB Layout Changes	45	0%	12-Nov-21	18-Jan-22	12-Nov-21	18-Jan-22	175
BEE10540	Prototype sRTM Schematic Review	5	0%	16-Nov-21	22-Nov-21	16-Nov-21	22-Nov-21	155
BEE10570	Prototype sRTM Testing Firmware and Software Changes	43	0%	23-Nov-21	25-Jan-22	23-Nov-21	25-Jan-22	210
BEE10590	Prototype sRTM PCB Layout Changes	43	0%	23-Nov-21	25-Jan-22	23-Nov-21	25-Jan-22	155
BEE10590M	Material for Prototype sRTM PCB Layout Changes	43	0%	25-Jan-22	25-Jan-22	23-Nov-21	25-Jan-22	155
BEE10640	Prototype sRTM Test Card PCB Manufacture	20	0%	19-Jan-22	15-Feb-22	19-Jan-22	15-Feb-22	175
BEE10640M	Material for Prototype sRTM Test Card PCB Manufacture	20	0%	15-Feb-22	15-Feb-22	19-Jan-22	15-Feb-22	175
BEE10600	Prototype sRTM PCB Manufacture, 5 Boards	23	0%	26-Jan-22	28-Feb-22	26-Jan-22	28-Feb-22	155
BEE10600M	Material Payment for Prototype sRTM PCB Manufacture, 5 Boards	23	0%	28-Feb-22	28-Feb-22	26-Jan-22	28-Feb-22	155
BEE10650	Prototype sRTM Test Card PCB Assembly	20	0%	16-Feb-22	16-Mar-22	16-Feb-22	16-Mar-22	175
BEE10650M	Material for Prototype sRTM Test Card PCB Assembly	20	0%	16-Mar-22	16-Mar-22	16-Feb-22	16-Mar-22	175
BEE10610	Prototype sRTM PCB Assembly, 5 boards	32	0%	01-Mar-22	13-Apr-22	01-Mar-22	13-Apr-22	155
BEE10610M	Material Payment for Prototype sRTM PCB Assembly, 5 boards	32	0%	13-Apr-22	13-Apr-22	01-Mar-22	13-Apr-22	155
BEE10660	Prototype sRTM Validation	44	0%	14-Apr-22	15-Jun-22	14-Apr-22	15-Jun-22	155
BEE106560T	Travel for Prototype sRTM Validation	44	0%	14-Apr-22	15-Jun-22	14-Apr-22	15-Jun-22	1592
BEE10660M	Material for Prototype sRTM Validation	44	0%	14-Jun-22	15-Jun-22	14-Apr-22	15-Jun-22	155
BEE10661	Ship 2 Prototype Boards to BNL for BEC Evaluation Performance Test	2	0%			16-Jun-22	17-Jun-22	194
BEE10662	Ship 1 Prototype Board to AZ for Firmware Test	2	0%			16-Jun-22	17-Jun-22	155
BEE10662T	Travel for Ship 1 Prototype Board to AZ for Firmware Test	2	0%			16-Jun-22	17-Jun-22	249
BEE10665A	AVAIL: 2 Pre-Production Boards for BNL	0	0%				17-Jun-22	194
BEE10666A	AVAIL: 1 Pre-Production Board for AZ	0	0%				17-Jun-22	1590
BEE10667R	REQD: LASP BEC Evaluation Performance Test Results	0	0%			08-Sep-22		193
BEE10670EX	External Milestone: ATLAS FDR	0	0%	16-Jun-22		08-Sep-22		1534
BEE10680	Milestone: ATLAS FDR	0	0%		21-Jun-22		08-Sep-22	193
6.04.03.01.05 BEE Pre-Production		**208**	**0%**	**22-Jun-22**	**22-May-23**	**08-Sep-22**	**05-Jul-23**	**356**
No AP2 Task Group - Temp		**208**	**0%**	**22-Jun-22**	**22-May-23**	**08-Sep-22**	**05-Jul-23**	**356**
BEE10685	Pre-Production sRTM Schematic Changes	15	0%	22-Jun-22	13-Jul-22	08-Sep-22	28-Sep-22	193
BEE10690	Pre-Production sRTM PCB Layout Changes	40	0%	14-Jul-22	08-Sep-22	29-Sep-22	25-Nov-22	193



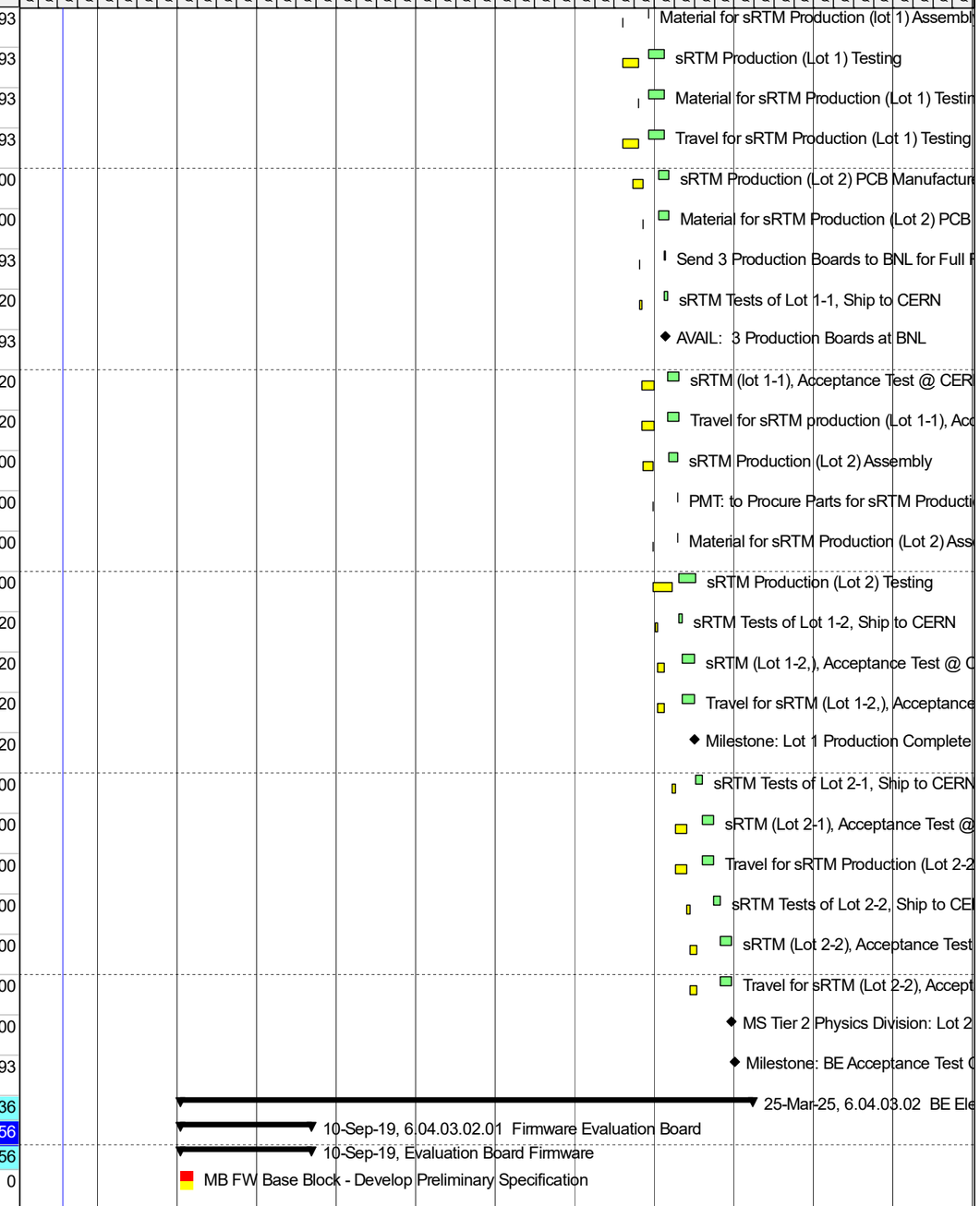
Primary Baseline | Remaining Work | Milestone
Actual Work | Critical Remaining Work | Summary

Activity ID	Activity Name	Duration	% Complete	BL Start	BL Finish	WS Start	WS Finish	Total Float
BEE10690M	Material for Pre-Production sRTM PCB Layout Changes	40	0%	08-Sep-22	08-Sep-22	29-Sep-22	25-Nov-22	193
BEE10700	Pre-Production sRTM PCB Manufacture, 10 Boards	20	0%	09-Sep-22	06-Oct-22	28-Nov-22	23-Dec-22	193
BEE10700M	Material for Pre-Production sRTM PCB Manufacture, 10 Boards	20	0%	06-Oct-22	06-Oct-22	28-Nov-22	23-Dec-22	193
BEE10711	Solicit Quotes	10	0%	07-Oct-22	21-Oct-22	27-Dec-22	10-Jan-23	194
BEE10710	Pre-Production sRTM PCB Assembly, 10 Boards	33	0%	07-Oct-22	23-Nov-22	27-Dec-22	10-Feb-23	193
BEE10712	Select Vendor and Place Order	5	0%	24-Oct-22	28-Oct-22	11-Jan-23	17-Jan-23	194
BEE10713	Delivery	16	0%	31-Oct-22	22-Nov-22	18-Jan-23	09-Feb-23	194
BEE10715M	PMT: Material for Pre-Production sRTM PCB Assembly, 10 Boards	1	0%	23-Nov-22	23-Nov-22	10-Feb-23	10-Feb-23	193
BEE10750	Ship 2 Pre-Production Boards to BNL for BEC Evaluation Performance Test	2	0%	25-Nov-22	28-Nov-22	13-Feb-23	14-Feb-23	259
BEE10760	Ship 1 Pre-Production Board to AZ for Firmware Test	2	0%	25-Nov-22	28-Nov-22	13-Feb-23	14-Feb-23	449
BEE10720	Pre-Production sRTM Validation	20	0%	25-Nov-22	27-Jan-23	13-Feb-23	13-Mar-23	193
BEE10720T	Travel for Pre-Production sRTM Validation	20	0%	25-Nov-22	24-Jan-23	13-Feb-23	13-Mar-23	193
BEE10785	Ship boards to CERN	5	0%	16-Feb-23	23-Feb-23	15-Feb-23	22-Feb-23	449
BEE10790	Attend ATLAS PRR	5	0%	30-Jan-23	03-Feb-23	14-Mar-23	20-Mar-23	268
BEE10790T	Travel for ATLAS PRR	5	0%	30-Jan-23	03-Feb-23	14-Mar-23	20-Mar-23	268
BEE10725	Full Lot sRTM Test Board PCB Manufacture, 10 Boards	25	0%	30-Jan-23	06-Mar-23	14-Mar-23	17-Apr-23	193
BEE10725M	Material for Full Lot sRTM Test Board PCB Manufacture,10 Boards	25	0%	06-Mar-23	06-Mar-23	14-Mar-23	17-Apr-23	193
BEE10731	Solicit Quotes	10	0%	07-Mar-23	20-Mar-23	18-Apr-23	01-May-23	194
BEE10730	Full lot sRTM Test Board PCB Assembly, 10 boards	35	0%	07-Mar-23	24-Apr-23	18-Apr-23	06-Jun-23	193
BEE10732	Select Vendor and Place Order	10	0%	21-Mar-23	03-Apr-23	02-May-23	15-May-23	194
BEE10733	Delivery	13	0%	04-Apr-23	21-Apr-23	16-May-23	05-Jun-23	194
BEE10735M	PMT: Material for Full Lot sRTM Test Board PCB Assembly, 10 Boards	1	0%	21-Apr-23	24-Apr-23	05-Jun-23	06-Jun-23	194
BEE10740	Full Lot sRTM Test Board Validation, 10 Boards	20	0%	25-Apr-23	22-May-23	07-Jun-23	05-Jul-23	193
BEE10795EX	External Milestone: ATLAS PRR	0	0%		03-Feb-23		05-Jul-23	193
6.04.03.01.06 BEE Production		**378**	**0%**	**06-Feb-23**	**19-Dec-24**	**06-Jul-23**	**02-Jan-25**	**193**
No AP2 Task Group - Temp		**378**	**0%**	**06-Feb-23**	**19-Dec-24**	**06-Jul-23**	**02-Jan-25**	**193**
BEE10800	sRTM Production (Lot 1) Write Vendor Specifications	10	0%	06-Feb-23	17-Feb-23	06-Jul-23	19-Jul-23	193
BEE10810	sRTM Production (Lot 1) Request Quotes	20	0%	21-Feb-23	21-Apr-23	20-Jul-23	16-Aug-23	193
BEE10820	sRTM Production (Lot 1) Select Vendor	11	0%	24-Apr-23	08-May-23	17-Aug-23	31-Aug-23	193
BEE10830	sRTM Production (Lot 1) PCB Manufacture	32	0%	09-May-23	23-Jun-23	01-Sep-23	18-Oct-23	193
BEE10830M	Material for sRTM Production (Lot 1) PCB Manufacture	32	0%	23-Jun-23	23-Jun-23	01-Sep-23	18-Oct-23	193
BEE10840	sRTM Production (Lot 1) Assembly	32	0%	26-Jun-23	09-Aug-23	19-Oct-23	04-Dec-23	193
BEE10840M	PMT: BEE for Parts for Procurement (Lot 1)	1	0%	09-Aug-23	09-Aug-23	04-Dec-23	04-Dec-23	193



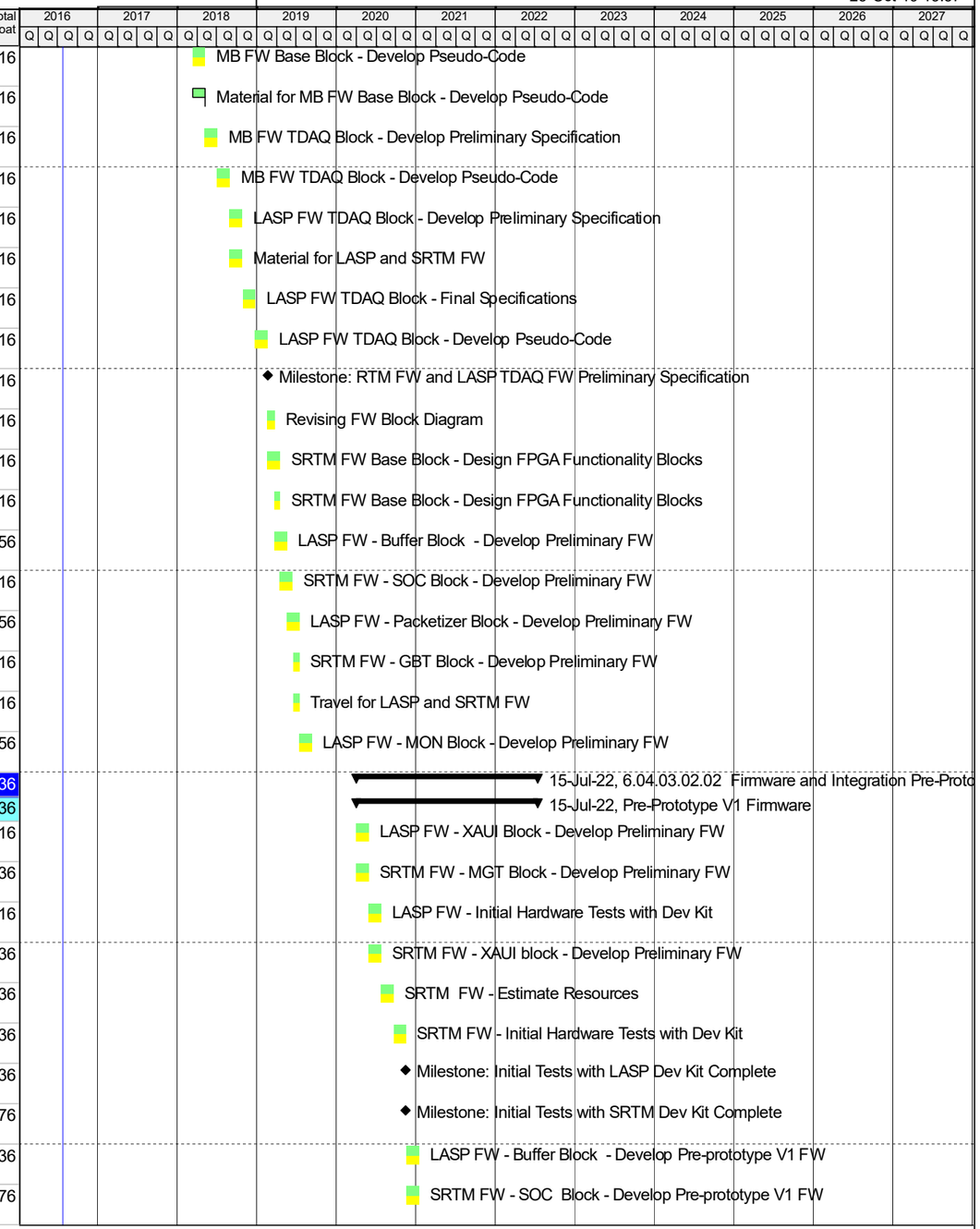
Primary Baseline | Remaining Work | Milestone
Actual Work | Critical Remaining Work | Summary

Activity ID	Activity Name	Duration	% Complete	BL Start	BL Finish	WS Start	WS Finish	Total Float
BEE10845M	Material for sRTM Production (lot 1) Assembly	1	0%	09-Aug-23	09-Aug-23	04-Dec-23	04-Dec-23	193
BEE10850	sRTM Production (Lot 1) Testing	50	0%	10-Aug-23	20-Oct-23	05-Dec-23	14-Feb-24	193
BEE10850M	Material for sRTM Production (Lot 1) Testing	50	0%	20-Oct-23	20-Oct-23	05-Dec-23	14-Feb-24	193
BEE10850T	Travel for sRTM Production (Lot 1) Testing	50	0%	10-Aug-23	20-Oct-23	05-Dec-23	14-Feb-24	193
BEE10930	sRTM Production (Lot 2) PCB Manufacture	33	0%	22-Sep-23	08-Nov-23	18-Jan-24	05-Mar-24	200
BEE10930M	Material for sRTM Production (Lot 2) PCB Manufacture	33	0%	08-Nov-23	08-Nov-23	18-Jan-24	05-Mar-24	200
BEE10855	Send 3 Production Boards to BNL for Full Readout Chain Integration Test	3	0%	23-Oct-23	25-Oct-23	15-Feb-24	20-Feb-24	193
BEE10880	sRTM Tests of Lot 1-1, Ship to CERN	10	0%	23-Oct-23	03-Nov-23	15-Feb-24	29-Feb-24	320
BEE10865A	AVAIL: 3 Production Boards at BNL	0	0%		25-Oct-23		20-Feb-24	193
BEE10890	sRTM (lot 1-1), Acceptance Test @ CERN	38	0%	06-Nov-23	29-Dec-23	01-Mar-24	23-Apr-24	320
BEE10890T	Travel for sRTM production (Lot 1-1), Acceptance Test @ CERN	38	0%	06-Nov-23	29-Dec-23	01-Mar-24	23-Apr-24	320
BEE10940	sRTM Production (Lot 2) Assembly	32	0%	09-Nov-23	26-Dec-23	06-Mar-24	18-Apr-24	200
BEE10940M	PMT: to Procure Parts for sRTM Production (Lot 2) Assembly	1	0%	26-Dec-23	26-Dec-23	18-Apr-24	18-Apr-24	200
BEE10945M	Material for sRTM Production (Lot 2) Assembly	1	0%	26-Dec-23	26-Dec-23	18-Apr-24	18-Apr-24	200
BEE10950	sRTM Production (Lot 2) Testing	55	0%	27-Dec-23	21-Mar-24	19-Apr-24	08-Jul-24	200
BEE10900	sRTM Tests of Lot 1-2, Ship to CERN	10	0%	02-Jan-24	15-Jan-24	24-Apr-24	07-May-24	320
BEE10910	sRTM (Lot 1-2,), Acceptance Test @ CERN	38	0%	16-Jan-24	14-Feb-24	08-May-24	01-Jul-24	320
BEE10910T	Travel for sRTM (Lot 1-2,), Acceptance Test @ CERN	38	0%	16-Jan-24	14-Feb-24	08-May-24	01-Jul-24	320
BEE10920	Milestone: Lot 1 Production Complete	0	0%		14-Feb-24		01-Jul-24	320
BEE10960	sRTM Tests of Lot 2-1, Ship to CERN	20	0%	21-Mar-24	04-Apr-24	09-Jul-24	05-Aug-24	200
BEE10970	sRTM (Lot 2-1), Acceptance Test @ CERN	38	0%	04-Apr-24	29-May-24	06-Aug-24	27-Sep-24	200
BEE10970T	Travel for sRTM Production (Lot 2-2), Acceptance Test @ CERN	38	0%	04-Apr-24	29-May-24	06-Aug-24	27-Sep-24	200
BEE10980	sRTM Tests of Lot 2-2, Ship to CERN	20	0%	29-May-24	12-Jun-24	30-Sep-24	28-Oct-24	200
BEE10990	sRTM (Lot 2-2), Acceptance Test @ CERN	38	0%	12-Jun-24	15-Jul-24	29-Oct-24	20-Dec-24	200
BEE10990T	Travel for sRTM (Lot 2-2), Acceptance Test @ CERN	38	0%	12-Jun-24	12-Jul-24	29-Oct-24	20-Dec-24	200
BEE11020	MS Tier 2 Physics Division: Lot 2 Production - End of Production	0	0%		15-Jul-24		20-Dec-24	200
BEE11060	Milestone: BE Acceptance Test Complete	0	0%		19-Dec-24		02-Jan-25	193
6.04.03.02 BE Electronics-Arizona		1820	0%	15-Jan-18	23-Dec-25	15-Jan-18	25-Mar-25	136
6.04.03.02.01 Firmware Evaluation Board		420	0%	15-Jan-18	10-Sep-19	15-Jan-18	10-Sep-19	356
Evaluation Board Firmware		420	0%	15-Jan-18	10-Sep-19	15-Jan-18	10-Sep-19	356
BEE12010	MB FW Base Block - Develop Preliminary Specification	40	0%	15-Jan-18	12-Mar-18	15-Jan-18*	12-Mar-18	0



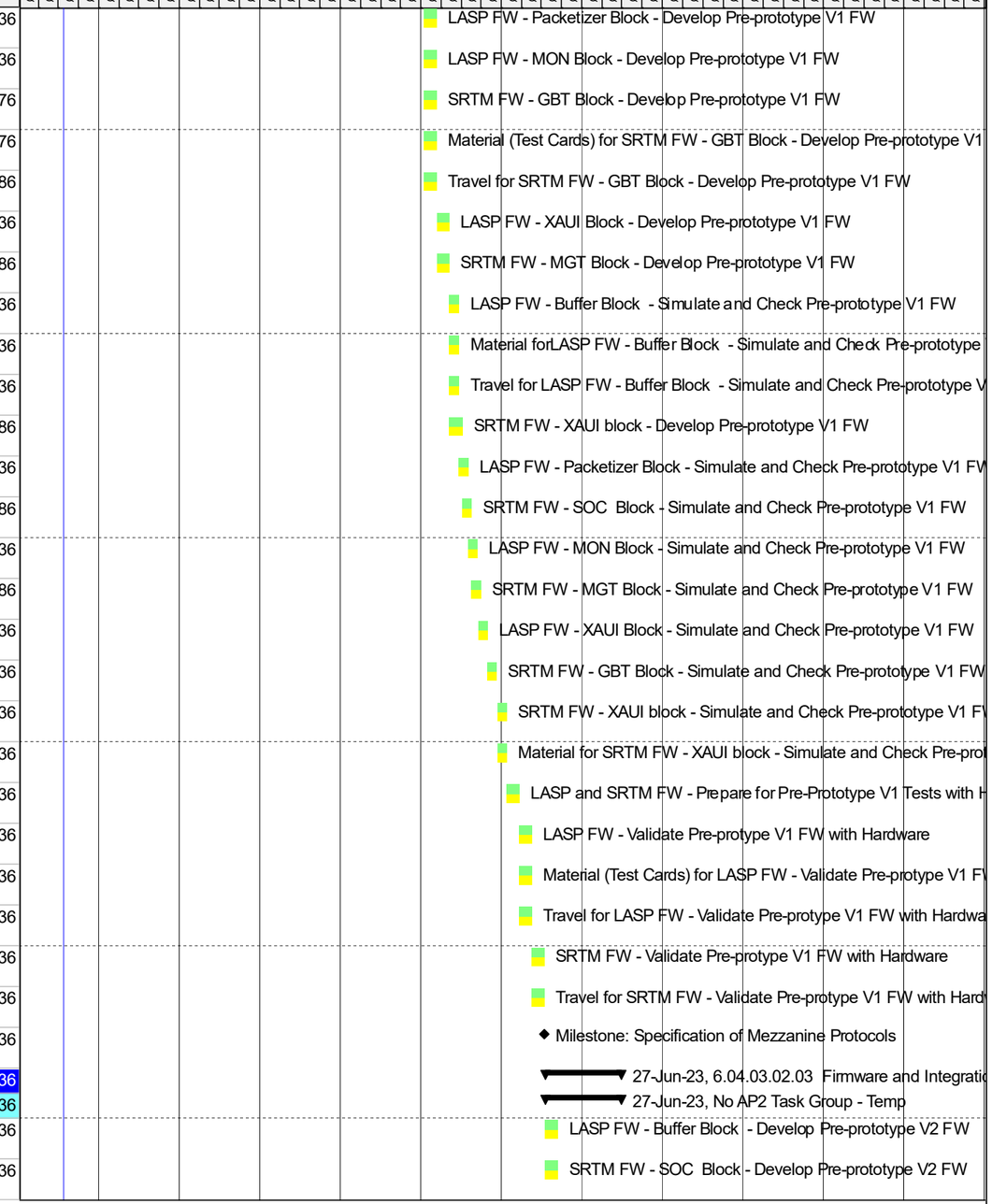
Primary Baseline | Remaining Work | Milestone
Actual Work | Critical Remaining Work | Summary

Activity ID	Activity Name	Duration	% Complete	BL Start	BL Finish	WS Start	WS Finish	Total Float
BEE12020	MB FW Base Block - Develop Pseudo-Code	40	0%	13-Mar-18	07-May-18	13-Mar-18	07-May-18	316
BEE12020M	Material for MB FW Base Block - Develop Pseudo-Code	40	0%	07-May-18	07-May-18	13-Mar-18	07-May-18	316
BEE12030	MB FW TDAQ Block - Develop Preliminary Specification	40	0%	08-May-18	03-Jul-18	08-May-18	03-Jul-18	316
BEE12040	MB FW TDAQ Block - Develop Pseudo-Code	40	0%	05-Jul-18	29-Aug-18	05-Jul-18	29-Aug-18	316
BEE120050	LASP FW TDAQ Block - Develop Preliminary Specification	40	0%	30-Aug-18	26-Oct-18	30-Aug-18	26-Oct-18	316
BEE12050M	Material for LASP and SRTM FW	40	0%	30-Aug-18	26-Oct-18	30-Aug-18	26-Oct-18	316
BEE12060	LASP FW TDAQ Block - Final Specifications	40	0%	29-Oct-18	24-Dec-18	29-Oct-18	24-Dec-18	316
BEE12065	LASP FW TDAQ Block - Develop Pseudo-Code	40	0%	26-Dec-18	21-Feb-19	26-Dec-18	21-Feb-19	316
BEE12070	Milestone: RTM FW and LASP TDAQ FW Preliminary Specification	0	0%		21-Feb-19		21-Feb-19	316
BEE12075	Revising FW Block Diagram	20	0%	22-Feb-19	21-Mar-19	22-Feb-19	21-Mar-19	316
BEE120080	SRTM FW Base Block - Design FPGA Functionality Blocks	40	0%	22-Feb-19	18-Apr-19	22-Feb-19	18-Apr-19	316
BEE12080	SRTM FW Base Block - Design FPGA Functionality Blocks	20	0%	22-Mar-19	18-Apr-19	22-Mar-19	18-Apr-19	316
BEE12100	LASP FW - Buffer Block - Develop Preliminary FW	40	0%	22-Mar-19	16-May-19	22-Mar-19	16-May-19	356
BEE12085	SRTM FW - SOC Block - Develop Preliminary FW	40	0%	19-Apr-19	14-Jun-19	19-Apr-19	14-Jun-19	316
BEE12110	LASP FW - Packetizer Block - Develop Preliminary FW	40	0%	17-May-19	15-Jul-19	17-May-19	15-Jul-19	356
BEE12090	SRTM FW - GBT Block - Develop Preliminary FW	20	0%	17-Jun-19	15-Jul-19	17-Jun-19	15-Jul-19	316
BEE12090T	Travel for LASP and SRTM FW	20	0%	17-Jun-19	15-Jul-19	17-Jun-19	15-Jul-19	316
BEE12112	LASP FW - MON Block - Develop Preliminary FW	40	0%	16-Jul-19	10-Sep-19	16-Jul-19	10-Sep-19	356
6.04.03.02.02 Firmware and Integration Pre-Prototype V1		**580**	**0%**	**01-Apr-20**	**15-Jul-22**	**01-Apr-20**	**15-Jul-22**	**136**
Pre-Prototype V1 Firmware		**580**	**0%**	**01-Apr-20**	**15-Jul-22**	**01-Apr-20**	**15-Jul-22**	**136**
BEE12114	LASP FW - XAUI Block - Develop Preliminary FW	40	0%	01-Apr-20	27-May-20	01-Apr-20	27-May-20	216
BEE12120	SRTM FW - MGT Block - Develop Preliminary FW	40	0%	01-Apr-20	27-May-20	01-Apr-20	27-May-20	136
BEE12116	LASP FW - Initial Hardware Tests with Dev Kit	40	0%	28-May-20	23-Jul-20	28-May-20	23-Jul-20	216
BEE12130	SRTM FW - XAUI block - Develop Preliminary FW	40	0%	28-May-20	23-Jul-20	28-May-20	23-Jul-20	136
BEE12140	SRTM FW - Estimate Resources	40	0%	24-Jul-20	18-Sep-20	24-Jul-20	18-Sep-20	136
BEE12150	SRTM FW - Initial Hardware Tests with Dev Kit	40	0%	21-Sep-20	16-Nov-20	21-Sep-20	16-Nov-20	136
BEE12180	Milestone: Initial Tests with LASP Dev Kit Complete	0	0%		16-Nov-20		16-Nov-20	136
BEE12190	Milestone: Initial Tests with SRTM Dev Kit Complete	0	0%		16-Nov-20		16-Nov-20	176
BEE12230	LASP FW - Buffer Block - Develop Pre-prototype V1 FW	40	0%	17-Nov-20	14-Jan-21	17-Nov-20	14-Jan-21	136
BEE12270	SRTM FW - SOC Block - Develop Pre-prototype V1 FW	40	0%	17-Nov-20	14-Jan-21	17-Nov-20	14-Jan-21	176



Primary Baseline | Remaining Work | Milestone
Actual Work | Critical Remaining Work | Summary

Activity ID	Activity Name	Duration	% Complete	BL Start	BL Finish	WS Start	WS Finish	Total Float
BEE12240	LASP FW - Packetizer Block - Develop Pre-prototype V1 FW	40	0%	15-Jan-21	12-Mar-21	15-Jan-21	12-Mar-21	136
BEE12245	LASP FW - MON Block - Develop Pre-prototype V1 FW	40	0%	15-Jan-21	12-Mar-21	15-Jan-21	12-Mar-21	136
BEE12280	SRTM FW - GBT Block - Develop Pre-prototype V1 FW	40	0%	15-Jan-21	12-Mar-21	15-Jan-21	12-Mar-21	176
BEE12280M	Material (Test Cards) for SRTM FW - GBT Block - Develop Pre-prototype V1	40	0%	15-Jan-21	12-Mar-21	15-Jan-21	12-Mar-21	176
BEE12280T	Travel for SRTM FW - GBT Block - Develop Pre-prototype V1 FW	40	0%	15-Jan-21	12-Mar-21	15-Jan-21	12-Mar-21	186
BEE12250	LASP FW - XAUI Block - Develop Pre-prototype V1 FW	40	0%	15-Mar-21	07-May-21	15-Mar-21	07-May-21	136
BEE12290	SRTM FW - MGT Block - Develop Pre-prototype V1 FW	40	0%	15-Mar-21	07-May-21	15-Mar-21	07-May-21	186
BEE12320	LASP FW - Buffer Block - Simulate and Check Pre-prototype V1 FW	30	0%	10-May-21	21-Jun-21	10-May-21	21-Jun-21	136
BEE12320M	Material forLASP FW - Buffer Block - Simulate and Check Pre-prototype V1	30	0%	10-May-21	21-Jun-21	10-May-21	21-Jun-21	136
BEE12320T	Travel for LASP FW - Buffer Block - Simulate and Check Pre-prototype V1	30	0%	10-May-21	21-Jun-21	10-May-21	21-Jun-21	136
BEE12295	SRTM FW - XAUI block - Develop Pre-prototype V1 FW	40	0%	10-May-21	06-Jul-21	10-May-21	06-Jul-21	186
BEE12330	LASP FW - Packetizer Block - Simulate and Check Pre-prototype V1 FW	30	0%	22-Jun-21	03-Aug-21	22-Jun-21	03-Aug-21	136
BEE12360	SRTM FW - SOC Block - Simulate and Check Pre-prototype V1 FW	30	0%	07-Jul-21	17-Aug-21	07-Jul-21	17-Aug-21	186
BEE12340	LASP FW - MON Block - Simulate and Check Pre-prototype V1 FW	30	0%	04-Aug-21	15-Sep-21	04-Aug-21	15-Sep-21	136
BEE12380	SRTM FW - MGT Block - Simulate and Check Pre-prototype V1 FW	30	0%	18-Aug-21	29-Sep-21	18-Aug-21	29-Sep-21	186
BEE12350	LASP FW - XAUI Block - Simulate and Check Pre-prototype V1 FW	30	0%	16-Sep-21	28-Oct-21	16-Sep-21	28-Oct-21	136
BEE12370	SRTM FW - GBT Block - Simulate and Check Pre-prototype V1 FW	30	0%	29-Oct-21	10-Dec-21	29-Oct-21	10-Dec-21	136
BEE12390	SRTM FW - XAUI block - Simulate and Check Pre-prototype V1 FW	30	0%	13-Dec-21	25-Jan-22	13-Dec-21	25-Jan-22	136
BEE12390M	Material for SRTM FW - XAUI block - Simulate and Check Pre-prototype V1	30	0%	13-Dec-21	25-Jan-22	13-Dec-21	25-Jan-22	136
BEE12405	LASP and SRTM FW - Prepare for Pre-Prototype V1 Tests with Hardware	40	0%	26-Jan-22	23-Mar-22	26-Jan-22	23-Mar-22	136
BEE12410	LASP FW - Validate Pre-protype V1 FW with Hardware	40	0%	24-Mar-22	18-May-22	24-Mar-22	18-May-22	136
BEE12410M	Material (Test Cards) for LASP FW - Validate Pre-protype V1 FW with	40	0%	24-Mar-22	18-May-22	24-Mar-22	18-May-22	136
BEE12410T	Travel for LASP FW - Validate Pre-protype V1 FW with Hardware	40	0%	24-Mar-22	18-May-22	24-Mar-22	18-May-22	136
BEE12420	SRTM FW - Validate Pre-protype V1 FW with Hardware	40	0%	19-May-22	15-Jul-22	19-May-22	15-Jul-22	136
BEE12420T	Travel for SRTM FW - Validate Pre-protype V1 FW with Hardware	40	0%	19-May-22	15-Jul-22	19-May-22	15-Jul-22	136
BEE12430	Milestone: Specification of Mezzanine Protocols	0	0%		15-Jul-22		15-Jul-22	136
6.04.03.02.03 Firmware and Integration Pre-Prototype V2		**240**	**0%**	**18-Jul-22**	**27-Jun-23**	**18-Jul-22**	**27-Jun-23**	**136**
No AP2 Task Group - Temp		**240**	**0%**	**18-Jul-22**	**27-Jun-23**	**18-Jul-22**	**27-Jun-23**	**136**
BEE12500	LASP FW - Buffer Block - Develop Pre-prototype V2 FW	40	0%	18-Jul-22	12-Sep-22	18-Jul-22	12-Sep-22	136
BEE12530	SRTM FW - SOC Block - Develop Pre-prototype V2 FW	40	0%	18-Jul-22	12-Sep-22	18-Jul-22	12-Sep-22	136

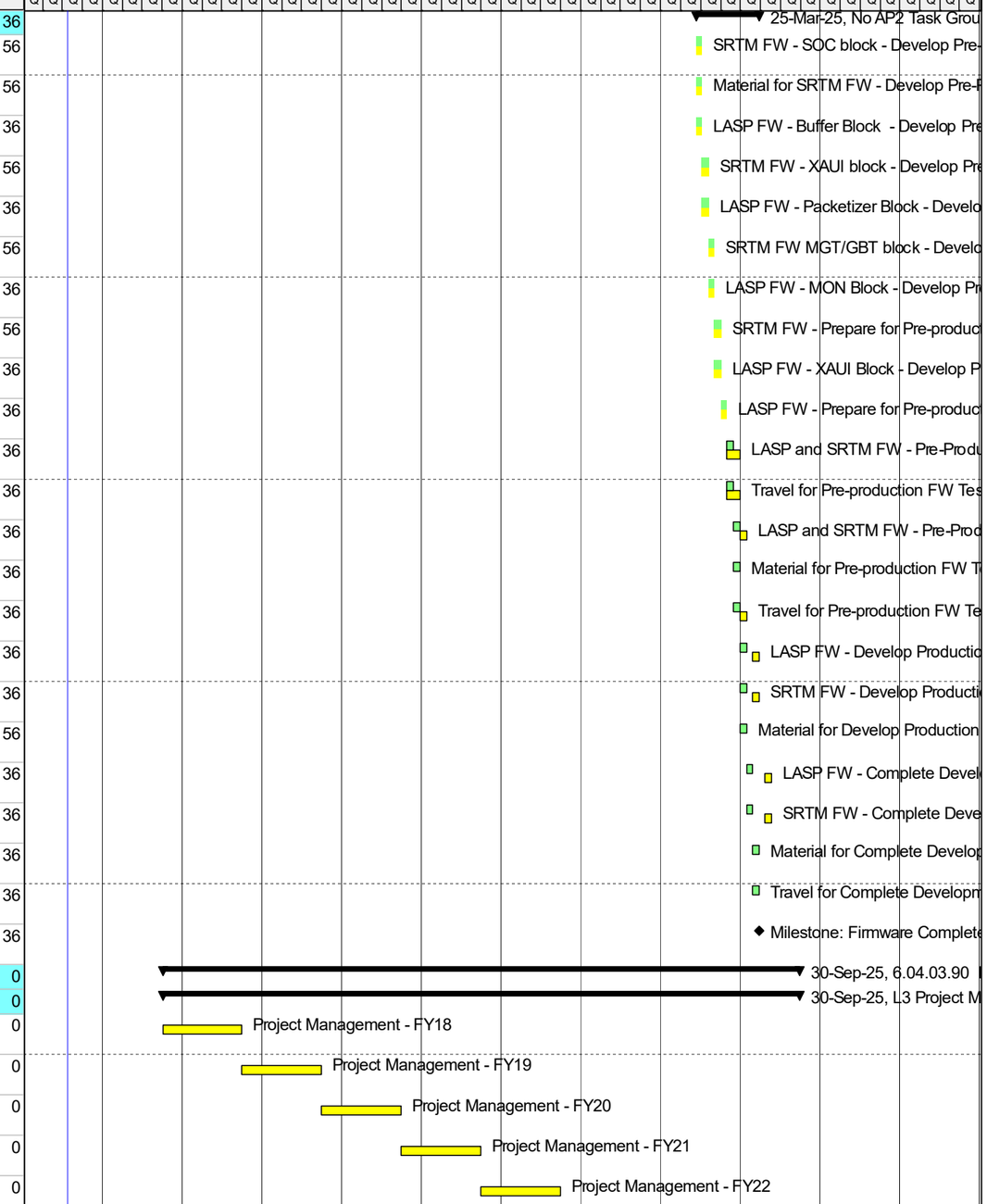


Primary Baseline | Remaining Work | Milestone
Actual Work | Critical Remaining Work | Summary

Activity ID	Activity Name	Duration	% Complete	BL Start	BL Finish	WS Start	WS Finish	Total Float
BEE12510	LASP FW - Packetizer Block - Develop Pre-prototype V2 FW	40	0%	13-Sep-22	08-Nov-22	13-Sep-22	08-Nov-22	136
BEE12540	SRTM FW - GBT Block - Develop Pre-prototype V2 FW	40	0%	13-Sep-22	08-Nov-22	13-Sep-22	08-Nov-22	136
BEE12515	LASP FW - MON Block - Develop Pre-prototype V2 FW	40	0%	09-Nov-22	06-Jan-23	09-Nov-22	06-Jan-23	136
BEE12550	SRTM FW - MGT Block - Develop Pre-prototype V2 FW	40	0%	09-Nov-22	06-Jan-23	09-Nov-22	06-Jan-23	136
BEE12520	LASP FW - XAUI Block - Develop Pre-prototype V2 FW	40	0%	09-Jan-23	06-Mar-23	09-Jan-23	06-Mar-23	136
BEE12520M	Material for LASP FW - XAUI Block - Develop Pre-prototype V2 FW	40	0%	09-Jan-23	06-Mar-23	09-Jan-23	06-Mar-23	136
BEE12560	SRTM FW - XAUI block - Develop Pre-prototype V2 FW	40	0%	09-Jan-23	06-Mar-23	09-Jan-23	06-Mar-23	136
BEE12565	LASP and SRTM FW - Prepare for Pre-Prototype V2 Tests with Hardware	40	0%	07-Mar-23	01-May-23	07-Mar-23	01-May-23	136
BEE12570	LASP FW - Validate Pre-Protype V2 FW Test with Hardware	40	0%	02-May-23	27-Jun-23	02-May-23	27-Jun-23	136
BEE12570T	Travel for LASP FW - Validate Pre-Protype V2 FW Test with Hardware	40	0%	02-May-23	27-Jun-23	02-May-23	27-Jun-23	136
BEE12580	SRTM FW - Validate Pre-Protype V2 FW Test with Hardware	40	0%	02-May-23	27-Jun-23	02-May-23	27-Jun-23	136
BEE12580T	Travel for SRTM FW - Validate Pre-Protype V2 FW Test with Hardware	40	0%	02-May-23	27-Jun-23	02-May-23	27-Jun-23	136
BEE12590	Milestone: Complete Carrier and AMC TDAQ Pre-Protype V2 FW	0	0%		27-Jun-23		27-Jun-23	136
6.04.03.02.04	**Firmware and Integration Prototype**	**240**	**0%**	**28-Jun-23**	**07-Jun-24**	**28-Jun-23**	**07-Jun-24**	**136**
No AP2 Task Group - Temp		**240**	**0%**	**28-Jun-23**	**07-Jun-24**	**28-Jun-23**	**07-Jun-24**	**136**
BEE12600	LASP FW - Buffer Block - Develop Prototype FW	40	0%	28-Jun-23	23-Aug-23	28-Jun-23	23-Aug-23	136
BEE12600M	Material LASP FW - Buffer Block - Develop Prototype FW	40	0%	28-Jun-23	23-Aug-23	28-Jun-23	23-Aug-23	136
BEE12620	SRTM FW - SOC Block - Develop Prototype FW	40	0%	28-Jun-23	23-Aug-23	28-Jun-23	23-Aug-23	136
BEE12610	LASP FW - Packetizer Block - Develop Prototype FW	40	0%	24-Aug-23	20-Oct-23	24-Aug-23	20-Oct-23	136
BEE12630	SRTM FW - GBT Block - Develop Prototype FW	40	0%	24-Aug-23	20-Oct-23	24-Aug-23	20-Oct-23	136
BEE12612	LASP FW - MON Block - Develop Prototype FW	40	0%	23-Oct-23	18-Dec-23	23-Oct-23	18-Dec-23	136
BEE12640	SRTM FW - MGT Block - Develop Prototype FW	40	0%	23-Oct-23	18-Dec-23	23-Oct-23	18-Dec-23	136
BEE12614	LASP FW - XAUI Block - Develop Prototype FW	40	0%	19-Dec-23	14-Feb-24	19-Dec-23	14-Feb-24	136
BEE12650	SRTM FW - XAUI block - Develop Prototype FW	40	0%	19-Dec-23	14-Feb-24	19-Dec-23	14-Feb-24	136
BEE12670	LASP AND SRTM FW Prepare for Prototype FW Hardware Tests	40	0%	15-Feb-24	11-Apr-24	15-Feb-24	11-Apr-24	136
BEE12680	LASP FW - Validate Prototype FW Tests with Hardware	40	0%	12-Apr-24	07-Jun-24	12-Apr-24	07-Jun-24	136
BEE12680T	Travel for LASP FW - Validate Prototype FW Tests with Hardware	40	0%	12-Apr-24	07-Jun-24	12-Apr-24	07-Jun-24	136
BEE12690	SRTM FW - Validate Prototype FW Test with Hardware	40	0%	12-Apr-24	07-Jun-24	12-Apr-24	07-Jun-24	136
BEE12690T	Travel for SRTM FW - Validate Prototype FW Test with Hardware	40	0%	12-Apr-24	07-Jun-24	12-Apr-24	07-Jun-24	136
BEE12695	Milestone: LASP and SRTM Prototype FW	0	0%		07-Jun-24		07-Jun-24	136
6.04.03.02.05	**Firmware and Integration Production**	**200**	**0%**	**10-Jun-24**	**23-Dec-25**	**10-Jun-24**	**25-Mar-25**	**136**

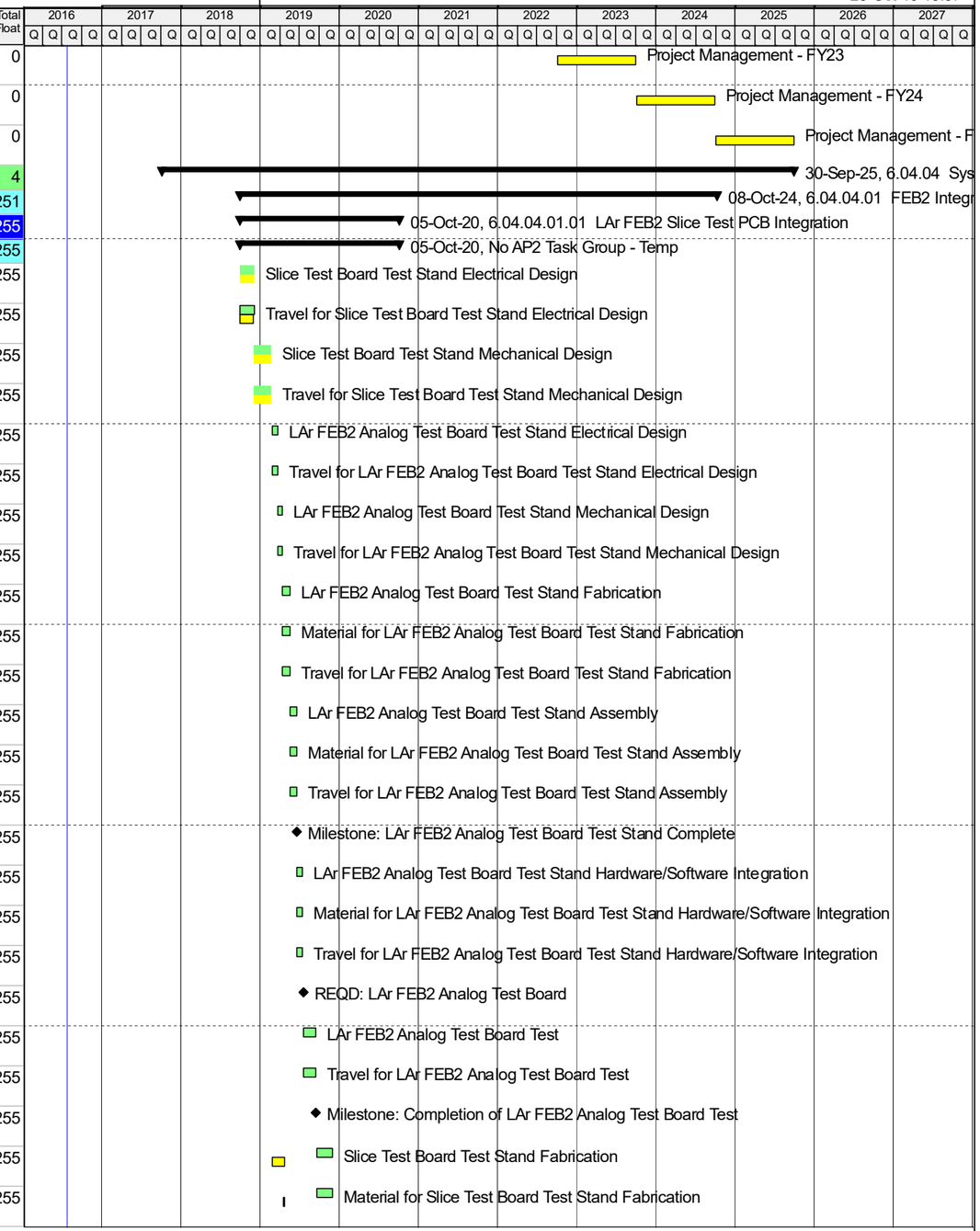
Primary Baseline | Remaining Work | Milestone
Actual Work | Critical Remaining Work | Summary

Activity ID	Activity Name	Duration	% Complete	BL Start	BL Finish	WS Start	WS Finish	Total Float
No AP2 Task Group - Temp		**200**	**0%**	**10-Jun-24**	**23-Dec-25**	**10-Jun-24**	**25-Mar-25**	**136**
BEE12750	SRTM FW - SOC block - Develop Pre-production FW	20	0%	10-Jun-24	08-Jul-24	10-Jun-24	08-Jul-24	156
BEE12750M	Material for SRTM FW - Develop Pre-Production FW	20	0%	10-Jun-24	08-Jul-24	10-Jun-24	08-Jul-24	156
BEE12790	LASP FW - Buffer Block - Develop Pre-production FW	20	0%	10-Jun-24	08-Jul-24	10-Jun-24	08-Jul-24	136
BEE12760	SRTM FW - XAUI block - Develop Pre-production FW	20	0%	09-Jul-24	05-Aug-24	09-Jul-24	05-Aug-24	156
BEE12800	LASP FW - Packetizer Block - Develop Pre-production FW	20	0%	09-Jul-24	05-Aug-24	09-Jul-24	05-Aug-24	136
BEE12770	SRTM FW MGT/GBT block - Develop Pre-production FW	20	0%	06-Aug-24	03-Sep-24	06-Aug-24	03-Sep-24	156
BEE12810	LASP FW - MON Block - Develop Pre-production FW	20	0%	06-Aug-24	03-Sep-24	06-Aug-24	03-Sep-24	136
BEE12780	SRTM FW - Prepare for Pre-production Tests at BNL and CERN	20	0%	04-Sep-24	01-Oct-24	04-Sep-24	01-Oct-24	156
BEE12820	LASP FW - XAUI Block - Develop Pre-prodution FW	20	0%	04-Sep-24	01-Oct-24	04-Sep-24	01-Oct-24	136
BEE12830	LASP FW - Prepare for Pre-production Tests at BNL and CERN	20	0%	02-Oct-24	30-Oct-24	02-Oct-24	30-Oct-24	136
BEE12835	LASP and SRTM FW - Pre-Production FW Tests with Hardware at BNL	20	0%	31-Oct-24	27-Dec-24	31-Oct-24	27-Nov-24	136
BEE12835T	Travel for Pre-production FW Tests at BNL	20	0%	31-Oct-24	27-Dec-24	31-Oct-24	27-Nov-24	136
BEE12840	LASP and SRTM FW - Pre-Production FW Tests with Hardware at CERN	20	0%	30-Dec-24	27-Jan-25	29-Nov-24	27-Dec-24	136
BEE12840M	Material for Pre-production FW Tests at CERN	20	0%			29-Nov-24	27-Dec-24	136
BEE12840T	Travel for Pre-production FW Tests at CERN	20	0%	30-Dec-24	27-Jan-25	29-Nov-24	27-Dec-24	136
BEE12870	LASP FW - Develop Production FW	20	0%	26-Feb-25	25-Mar-25	30-Dec-24	27-Jan-25	136
BEE12880	SRTM FW - Develop Production FW	20	0%	26-Feb-25	25-Mar-25	30-Dec-24	27-Jan-25	136
BEE12880M	Material for Develop Production FW	20	0%			30-Dec-24	27-Jan-25	156
BEE12920	LASP FW - Complete Development of Production FW	20	0%	23-Apr-25	20-May-25	28-Jan-25	25-Feb-25	136
BEE12930	SRTM FW - Complete Development of Production FW	20	0%	23-Apr-25	20-May-25	28-Jan-25	25-Feb-25	136
BEE12930M	Material for Complete Development of Production FW	20	0%			26-Feb-25	25-Mar-25	136
BEE12930T	Travel for Complete Development of Production FW	20	0%			26-Feb-25	25-Mar-25	136
BEE13060	Milestone: Firmware Complete	0	0%		23-Dec-25		25-Mar-25	136
6.04.03.90 L3 Project Management		**2023**	**0%**	**02-Oct-17**	**30-Sep-25**	**02-Oct-17**	**30-Sep-25**	**0**
L3 Project Management		**2023**	**0%**	**02-Oct-17**	**30-Sep-25**	**02-Oct-17**	**30-Sep-25**	**0**
MGT43250	Project Management - FY18	252	0%	02-Oct-17	28-Sep-18	02-Oct-17	28-Sep-18	0
MGT43260	Project Management - FY19	253	0%	01-Oct-18	30-Sep-19	01-Oct-18	30-Sep-19	0
MGT43270	Project Management - FY20	254	0%	01-Oct-19	30-Sep-20	01-Oct-19	30-Sep-20	0
MGT43280	Project Management - FY21	253	0%	01-Oct-20	30-Sep-21	01-Oct-20	30-Sep-21	0
MGT43290	Project Management - FY22	253	0%	01-Oct-21	30-Sep-22	01-Oct-21	30-Sep-22	0



Primary Baseline | Remaining Work | Milestone
Actual Work | Critical Remaining Work | Summary

Activity ID	Activity Name	Duration	% Complete	BL Start	BL Finish	WS Start	WS Finish	Total Float
MGT43300	Project Management - FY23	252	0%	03-Oct-22	29-Sep-23	03-Oct-22	29-Sep-23	0
MGT43310	Project Management - FY24	253	0%	02-Oct-23	30-Sep-24	02-Oct-23	30-Sep-24	0
MGT43320	Project Management - FY25	253	0%	01-Oct-24	30-Sep-25	01-Oct-24	30-Sep-25	0
6.04.04 System Integration		**2023**	**0%**	**02-Oct-17**	**30-Sep-25**	**02-Oct-17**	**30-Sep-25**	**4**
6.04.04.01 FEB2 Integration-BNL		**1524**	**0%**	**01-Oct-18**	**21-Nov-24**	**01-Oct-18**	**08-Oct-24**	**251**
6.04.04.01.01 LAr FEB2 Slice Test PCB Integration		**510**	**0%**	**01-Oct-18**	**08-Jan-21**	**01-Oct-18**	**05-Oct-20**	**255**
No AP2 Task Group - Temp		**510**	**0%**	**01-Oct-18**	**08-Jan-21**	**01-Oct-18**	**05-Oct-20**	**255**
SYS460010	Slice Test Board Test Stand Electrical Design	45	0%	01-Oct-18	04-Dec-18	01-Oct-18	04-Dec-18	255
SYS460010T	Travel for Slice Test Board Test Stand Electrical Design	45	0%	01-Oct-18	30-Nov-18	01-Oct-18	04-Dec-18	255
SYS460020	Slice Test Board Test Stand Mechanical Design	55	0%	05-Dec-18	22-Feb-19	05-Dec-18	22-Feb-19	255
SYS460020T	Travel for Slice Test Board Test Stand Mechanical Design	55	0%	05-Dec-18	19-Feb-19	05-Dec-18	22-Feb-19	255
SYS460021	LAr FEB2 Analog Test Board Test Stand Electrical Design	20	0%			25-Feb-19	22-Mar-19	255
SYS460021T	Travel for LAr FEB2 Analog Test Board Test Stand Electrical Design	20	0%			25-Feb-19	22-Mar-19	255
SYS460022	LAr FEB2 Analog Test Board Test Stand Mechanical Design	15	0%			25-Mar-19	12-Apr-19	255
SYS460022T	Travel for LAr FEB2 Analog Test Board Test Stand Mechanical Design	15	0%			25-Mar-19	12-Apr-19	255
SYS460023	LAr FEB2 Analog Test Board Test Stand Fabrication	25	0%			15-Apr-19	17-May-19	255
SYS460023M	Material for LAr FEB2 Analog Test Board Test Stand Fabrication	25	0%			15-Apr-19	17-May-19	255
SYS460023T	Travel for LAr FEB2 Analog Test Board Test Stand Fabrication	25	0%			15-Apr-19	17-May-19	255
SYS460024	LAr FEB2 Analog Test Board Test Stand Assembly	20	0%			20-May-19	17-Jun-19	255
SYS460024M	Material for LAr FEB2 Analog Test Board Test Stand Assembly	20	0%			20-May-19	17-Jun-19	255
SYS460024T	Travel for LAr FEB2 Analog Test Board Test Stand Assembly	20	0%			20-May-19	17-Jun-19	255
SYS460025	Milestone: LAr FEB2 Analog Test Board Test Stand Complete	0	0%				17-Jun-19	255
SYS460026	LAr FEB2 Analog Test Board Test Stand Hardware/Software Integration	20	0%			18-Jun-19	16-Jul-19	255
SYS460026M	Material for LAr FEB2 Analog Test Board Test Stand Hardware/Software	20	0%			18-Jun-19	16-Jul-19	255
SYS460026T	Travel for LAr FEB2 Analog Test Board Test Stand Hardware/Software	20	0%			18-Jun-19	16-Jul-19	255
SYS460027R	REQD: LAr FEB2 Analog Test Board	0	0%			17-Jul-19		255
SYS460028	LAr FEB2 Analog Test Board Test	43	0%			17-Jul-19	16-Sep-19	255
SYS460028T	Travel for LAr FEB2 Analog Test Board Test	43	0%			17-Jul-19	16-Sep-19	255
SYS460029	Milestone: Completion of LAr FEB2 Analog Test Board Test	0	0%				16-Sep-19	255
SYS460030	Slice Test Board Test Stand Fabrication	52	0%	25-Feb-19	22-Apr-19	17-Sep-19	29-Nov-19	255
SYS460030M	Material for Slice Test Board Test Stand Fabrication	52	0%	19-Apr-19	22-Apr-19	17-Sep-19	29-Nov-19	255

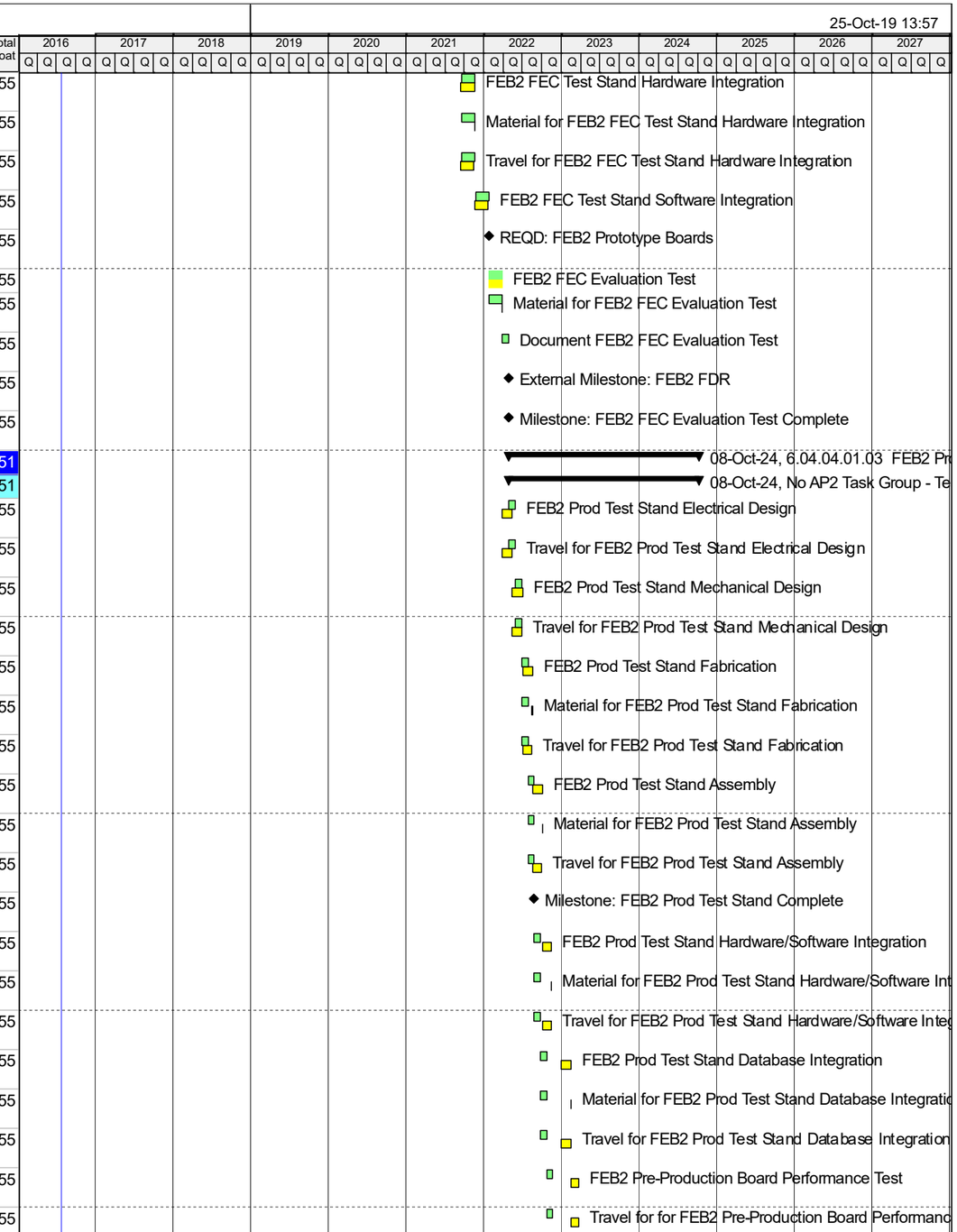


Primary Baseline | Remaining Work | Milestone
Actual Work | Critical Remaining Work | Summary

Activity ID	Activity Name	Duration	% Complete	BL Start	BL Finish	WS Start	WS Finish	Total Float
SYS460030T	Travel for Slice Test Board Test Stand Fabrication	52	0%	25-Feb-19	22-Apr-19	17-Sep-19	29-Nov-19	255
SYS460040	Slice Test Board Test Stand Assembly	43	0%	23-Apr-19	09-Jul-19	02-Dec-19	31-Jan-20	255
SYS460040M	Material for Slice Test Board Test Stand Assembly	43	0%	09-Jul-19	09-Jul-19	02-Dec-19	31-Jan-20	255
SYS460040T	Travel for Slice Test Board Test Stand Assembly	43	0%	23-Apr-19	05-Jul-19	02-Dec-19	31-Jan-20	255
SYS460050	Milestone: Slice Test Board Test Stand Complete	0	0%		09-Jul-19		31-Jan-20	255
SYS460060	Slice Test Board Test Stand Hardware Integration	40	0%	10-Jul-19	25-Sep-19	03-Feb-20	30-Mar-20	255
SYS460060M	Material for Slice Test Board Test Stand Hardware Integration	40	0%	25-Sep-19	25-Sep-19	03-Feb-20	30-Mar-20	255
SYS460060T	Travel for Slice Test Board Test Stand Hardware Integration	40	0%	10-Jul-19	24-Sep-19	03-Feb-20	30-Mar-20	255
SYS460070	Slice Test Board Test Stand Software Integration	45	0%	26-Sep-19	13-Dec-19	31-Mar-20	02-Jun-20	255
SYS460070T	Travel for Slice Test Board Test Stand Software Integration	45	0%	26-Sep-19	11-Dec-19	31-Mar-20	02-Jun-20	255
SYS460075R	REQD: Slice Test Board from COLUMBIA	0	0%			03-Jun-20		255
SYS460080T	Travel for Slice Test Board Evaluation Test	44	0%	03-Jun-20	04-Aug-20	03-Jun-20	04-Aug-20	256
SYS460080	Slice Test Board Evaluation Test	45	0%	03-Jun-20	05-Aug-20	03-Jun-20	05-Aug-20	255
SYS460080M	Material for Slice Test Board Evaluation Test	45	0%	05-Aug-20	05-Aug-20	03-Jun-20	05-Aug-20	255
SYS460100	Slice Test Board Performance Test	42	0%	22-Oct-20	08-Jan-21	06-Aug-20	05-Oct-20	255
SYS460100T	Travel for Slice Test Board Performance Test	42	0%	22-Oct-20	05-Jan-21	06-Aug-20	05-Oct-20	255
SYS460110	Milestone: Slice Test Board Performance Test Complete	0	0%		08-Jan-21		05-Oct-20	255
6.04.04.01.02	**FEB2 FE Crate System Integration**	**394**	**0%**	**11-Jan-21**	**27-Apr-22**	**06-Oct-20**	**27-Apr-22**	**255**
No AP2 Task Group - Temp		**394**	**0%**	**11-Jan-21**	**27-Apr-22**	**06-Oct-20**	**27-Apr-22**	**255**
SYS460120	FEB2 FEC Test Stand Electrical Design	60	0%	11-Jan-21	25-Feb-21	06-Oct-20	31-Dec-20	255
SYS460120T	Travel for FEB2 FEC Test Stand Electrical Design	60	0%	11-Jan-21	24-Feb-21	06-Oct-20	31-Dec-20	255
SYS460130	FEB2 FEC Test Stand Mechanical Design	60	0%	26-Feb-21	28-Apr-21	04-Jan-21	29-Mar-21	255
SYS460130T	Travel for FEB2 FEC Test Stand Mechanical Design	60	0%	26-Feb-21	28-Apr-21	04-Jan-21	29-Mar-21	255
SYS460140	FEB2 FEC Test Stand Fabrication	60	0%	29-Apr-21	29-Jun-21	30-Mar-21	22-Jun-21	255
SYS460140M	Material for FEB2 FEC Test Stand Fabrication	60	0%	29-Jun-21	29-Jun-21	30-Mar-21	22-Jun-21	255
SYS460140T	Travel for FEB2 FEC Test Stand Fabrication	60	0%	29-Apr-21	28-Jun-21	30-Mar-21	22-Jun-21	255
SYS460150	FEB2 FEC Test Stand Assembly	60	0%	30-Jun-21	14-Sep-21	23-Jun-21	16-Sep-21	255
SYS460150M	Material for FEB2 FEC Test Stand Assembly	60	0%	14-Sep-21	14-Sep-21	23-Jun-21	16-Sep-21	255
SYS460150T	Travel for FEB2 FEC Test Stand Assembly	60	0%	30-Jun-21	10-Sep-21	23-Jun-21	16-Sep-21	255
SYS460160	Milestone: FEB2 FEC Test Stand Complete	0	0%		14-Sep-21		16-Sep-21	255

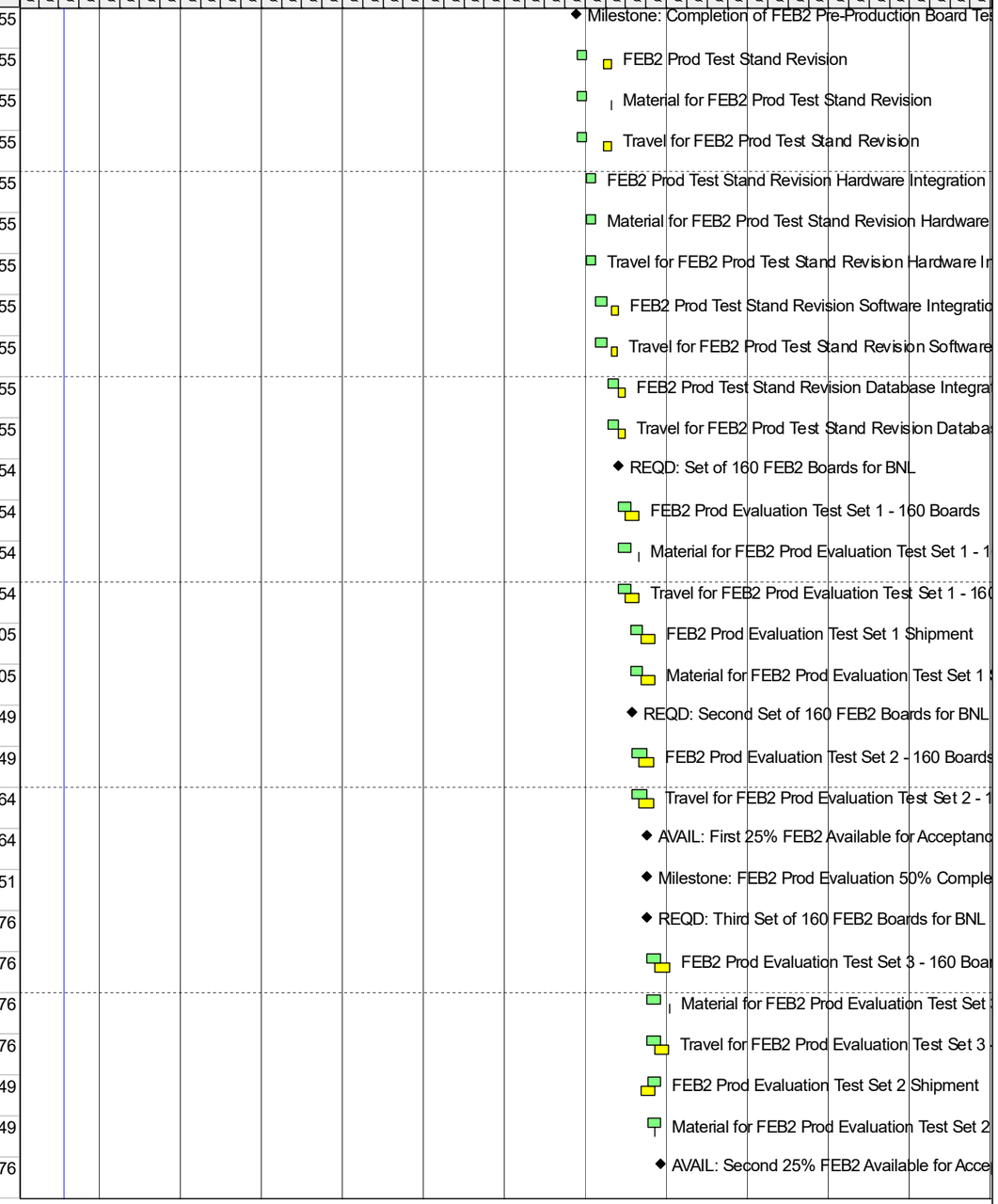
Primary Baseline | Remaining Work | Milestone
Actual Work | Critical Remaining Work | Summary

Activity ID	Activity Name	Duration	% Complete	BL Start	BL Finish	WS Start	WS Finish	Total Float
SYS460170	FEB2 FEC Test Stand Hardware Integration	45	0%	15-Sep-21	17-Nov-21	17-Sep-21	19-Nov-21	255
SYS460170M	Material for FEB2 FEC Test Stand Hardware Integration	45	0%	17-Nov-21	17-Nov-21	17-Sep-21	19-Nov-21	255
SYS460170T	Travel for FEB2 FEC Test Stand Hardware Integration	45	0%	15-Sep-21	16-Nov-21	17-Sep-21	19-Nov-21	255
SYS460180	FEB2 FEC Test Stand Software Integration	43	0%	18-Nov-21	20-Jan-22	22-Nov-21	24-Jan-22	255
SYS460189R	REQD: FEB2 Prototype Boards	0	0%	24-Jan-22		25-Jan-22		255
SYS460190	FEB2 FEC Evaluation Test	44	0%	24-Jan-22	28-Mar-22	25-Jan-22	28-Mar-22	255
SYS460190M	Material for FEB2 FEC Evaluation Test	44	0%	25-Mar-22	28-Mar-22	25-Jan-22	28-Mar-22	255
SYS460195	Document FEB2 FEC Evaluation Test	22	0%			29-Mar-22	27-Apr-22	255
SYS460210EX	External Milestone: FEB2 FDR	0	0%	27-Apr-22		27-Apr-22		255
SYS460200	Milestone: FEB2 FEC Evaluation Test Complete	0	0%		28-Mar-22		27-Apr-22	255
6.04.04.01.03	**FEB2 Production System Integration**	**620**	**0%**	**28-Mar-22**	**21-Nov-24**	**28-Apr-22**	**08-Oct-24**	**251**
No AP2 Task Group - Temp		**620**	**0%**	**28-Mar-22**	**21-Nov-24**	**28-Apr-22**	**08-Oct-24**	**251**
SYS460220	FEB2 Prod Test Stand Electrical Design	21	0%	28-Mar-22	12-May-22	28-Apr-22	26-May-22	255
SYS460220T	Travel for FEB2 Prod Test Stand Electrical Design	21	0%	28-Mar-22	11-May-22	28-Apr-22	26-May-22	255
SYS460230	FEB2 Prod Test Stand Mechanical Design	21	0%	12-May-22	01-Jul-22	27-May-22	27-Jun-22	255
SYS460230T	Travel for FEB2 Prod Test Stand Mechanical Design	21	0%	12-May-22	30-Jun-22	27-May-22	27-Jun-22	255
SYS460240	FEB2 Prod Test Stand Fabrication	21	0%	01-Jul-22	16-Aug-22	28-Jun-22	27-Jul-22	255
SYS460240M	Material for FEB2 Prod Test Stand Fabrication	21	0%	15-Aug-22	16-Aug-22	28-Jun-22	27-Jul-22	255
SYS460240T	Travel for FEB2 Prod Test Stand Fabrication	21	0%	01-Jul-22	12-Aug-22	28-Jun-22	27-Jul-22	255
SYS460250	FEB2 Prod Test Stand Assembly	21	0%	16-Aug-22	04-Oct-22	28-Jul-22	25-Aug-22	255
SYS460250M	Material for FEB2 Prod Test Stand Assembly	21	0%	03-Oct-22	04-Oct-22	28-Jul-22	25-Aug-22	255
SYS460250T	Travel for FEB2 Prod Test Stand Assembly	21	0%	16-Aug-22	29-Sep-22	28-Jul-22	25-Aug-22	255
SYS460260	Milestone: FEB2 Prod Test Stand Complete	0	0%		04-Oct-22		25-Aug-22	255
SYS460270	FEB2 Prod Test Stand Hardware/Software Integration	20	0%	04-Oct-22	16-Nov-22	26-Aug-22	23-Sep-22	255
SYS460270M	Material for FEB2 Prod Test Stand Hardware/Software Integration	20	0%	15-Nov-22	16-Nov-22	26-Aug-22	23-Sep-22	255
SYS460270T	Travel for FEB2 Prod Test Stand Hardware/Software Integration	20	0%	04-Oct-22	15-Nov-22	26-Aug-22	23-Sep-22	255
SYS460290	FEB2 Prod Test Stand Database Integration	20	0%	30-Dec-22	16-Feb-23	26-Sep-22	24-Oct-22	255
SYS460290M	Material for FEB2 Prod Test Stand Database Integration	20	0%	15-Feb-23	16-Feb-23	26-Sep-22	24-Oct-22	255
SYS460290T	Travel for FEB2 Prod Test Stand Database Integration	20	0%	30-Dec-22	14-Feb-23	26-Sep-22	24-Oct-22	255
SYS460300	FEB2 Pre-Production Board Performance Test	20	0%	16-Feb-23	24-Mar-23	25-Oct-22	21-Nov-22	255
SYS460300T	Travel for for FEB2 Pre-Production Board Performance Test	20	0%	16-Feb-23	23-Mar-23	25-Oct-22	21-Nov-22	255



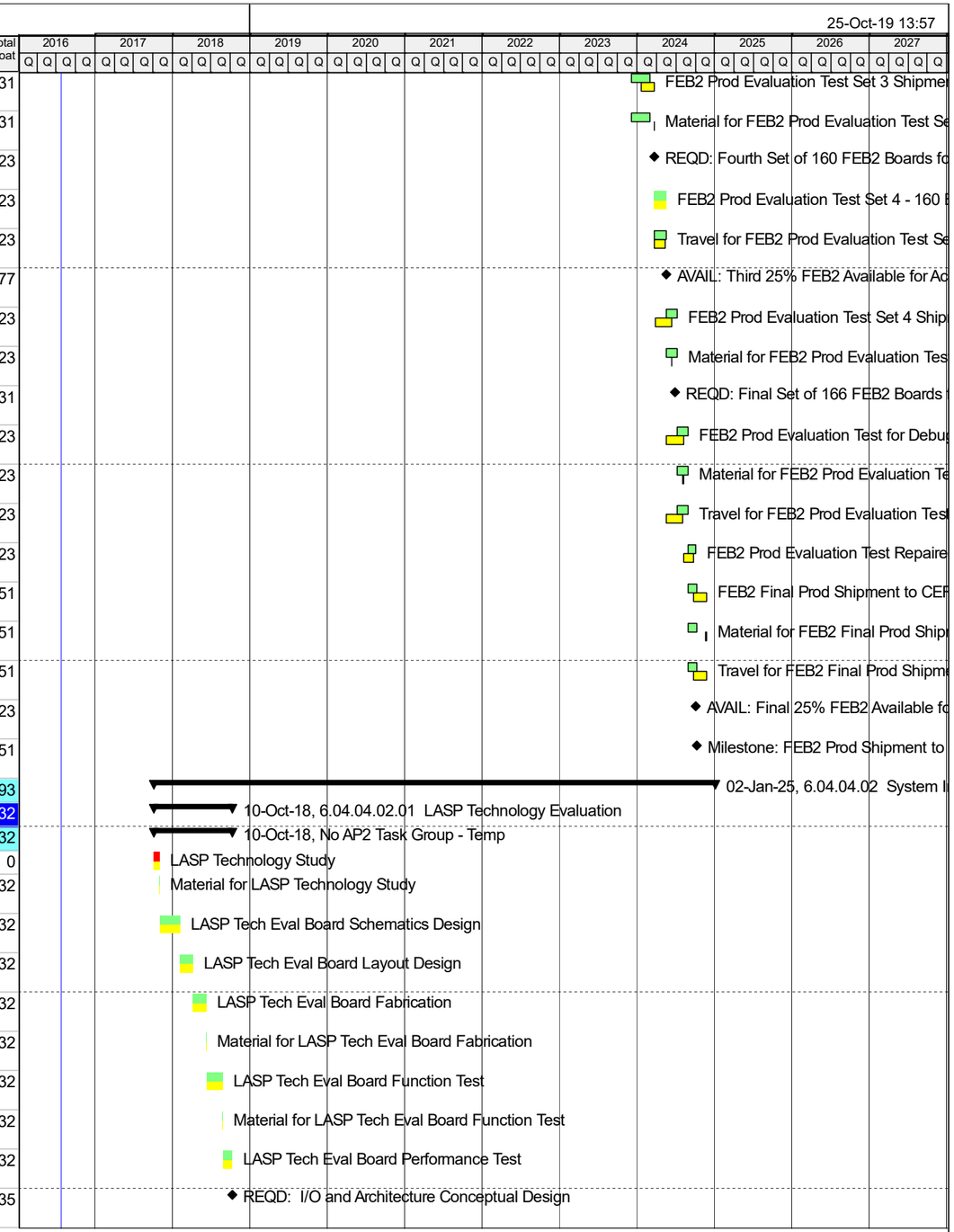
Primary Baseline | Remaining Work | Milestone
Actual Work | Critical Remaining Work | Summary

Activity ID	Activity Name	Duration	% Complete	BL Start	BL Finish	WS Start	WS Finish	Total Float
SYS460305	Milestone: Completion of FEB2 Pre-Production Board Test	0	0%				21-Nov-22	255
SYS460310	FEB2 Prod Test Stand Revision	30	0%	24-Mar-23	26-Apr-23	22-Nov-22	05-Jan-23	255
SYS460310M	Material for FEB2 Prod Test Stand Revision	30	0%	25-Apr-23	26-Apr-23	22-Nov-22	05-Jan-23	255
SYS460310T	Travel for FEB2 Prod Test Stand Revision	30	0%	24-Mar-23	25-Apr-23	22-Nov-22	05-Jan-23	255
SYS460315	FEB2 Prod Test Stand Revision Hardware Integration	30	0%			06-Jan-23	16-Feb-23	255
SYS460315M	Material for FEB2 Prod Test Stand Revision Hardware Integration	30	0%			06-Jan-23	16-Feb-23	255
SYS460315T	Travel for FEB2 Prod Test Stand Revision Hardware Integration	30	0%			06-Jan-23	16-Feb-23	255
SYS460320	FEB2 Prod Test Stand Revision Software Integration	35	0%	26-Apr-23	30-May-23	17-Feb-23	07-Apr-23	255
SYS460320T	Travel for FEB2 Prod Test Stand Revision Software Integration	35	0%	26-Apr-23	25-May-23	17-Feb-23	07-Apr-23	255
SYS460330	FEB2 Prod Test Stand Revision Database Integration	35	0%	30-May-23	30-Jun-23	10-Apr-23	26-May-23	255
SYS460330T	Travel for FEB2 Prod Test Stand Revision Database Integration	35	0%	30-May-23	29-Jun-23	10-Apr-23	26-May-23	255
SYS460339R	REQD: Set of 160 FEB2 Boards for BNL	0	0%	30-May-23		30-May-23		254
SYS460340	FEB2 Prod Evaluation Test Set 1 - 160 Boards	38	0%	29-Jun-23	31-Aug-23	30-May-23	24-Jul-23	254
SYS460340M	Material for FEB2 Prod Evaluation Test Set 1 - 160 Boards	38	0%	30-Aug-23	31-Aug-23	30-May-23	24-Jul-23	254
SYS460340T	Travel for FEB2 Prod Evaluation Test Set 1 - 160 Boards	38	0%	29-Jun-23	30-Aug-23	30-May-23	24-Jul-23	254
SYS460343	FEB2 Prod Evaluation Test Set 1 Shipment	38	0%	07-Sep-23	09-Nov-23	24-Jul-23	15-Sep-23	305
SYS460343M	Material for FEB2 Prod Evaluation Test Set 1 Shipment	38	0%	07-Sep-23	08-Nov-23	24-Jul-23	15-Sep-23	305
SYS460349R	REQD: Second Set of 160 FEB2 Boards for BNL	0	0%	31-Jul-23		31-Jul-23		249
SYS460350	FEB2 Prod Evaluation Test Set 2 - 160 Boards	44	0%	31-Aug-23	03-Nov-23	31-Jul-23	02-Oct-23	249
SYS460350T	Travel for FEB2 Prod Evaluation Test Set 2 - 160 Boards	44	0%	31-Aug-23	02-Nov-23	31-Jul-23	02-Oct-23	264
SYS460351A	AVAIL: First 25% FEB2 Available for Acceptance Test	0	0%		03-Nov-23		02-Oct-23	264
SYS460360	Milestone: FEB2 Prod Evaluation 50% Complete	0	0%		03-Nov-23		02-Oct-23	351
SYS460369R	REQD: Third Set of 160 FEB2 Boards for BNL	0	0%	03-Oct-23		03-Oct-23		276
SYS460370	FEB2 Prod Evaluation Test Set 3 - 160 Boards	45	0%	09-Nov-23	15-Jan-24	03-Oct-23	06-Dec-23	276
SYS460370M	Material for FEB2 Prod Evaluation Test Set 3 - 160 Boards	45	0%	12-Jan-24	15-Jan-24	03-Oct-23	06-Dec-23	276
SYS460370T	Travel for FEB2 Prod Evaluation Test Set 3 - 160 Boards	45	0%	09-Nov-23	11-Jan-24	03-Oct-23	06-Dec-23	276
SYS460364	FEB2 Prod Evaluation Test Set 2 Shipment	40	0%	08-Sep-23	10-Nov-23	09-Oct-23	06-Dec-23	249
SYS460364M	Material for FEB2 Prod Evaluation Test Set 2 Shipment	40	0%	09-Nov-23	10-Nov-23	09-Oct-23	06-Dec-23	249
SYS460372A	AVAIL: Second 25% FEB2 Available for Acceptance Test	0	0%		15-Jan-24		06-Dec-23	276



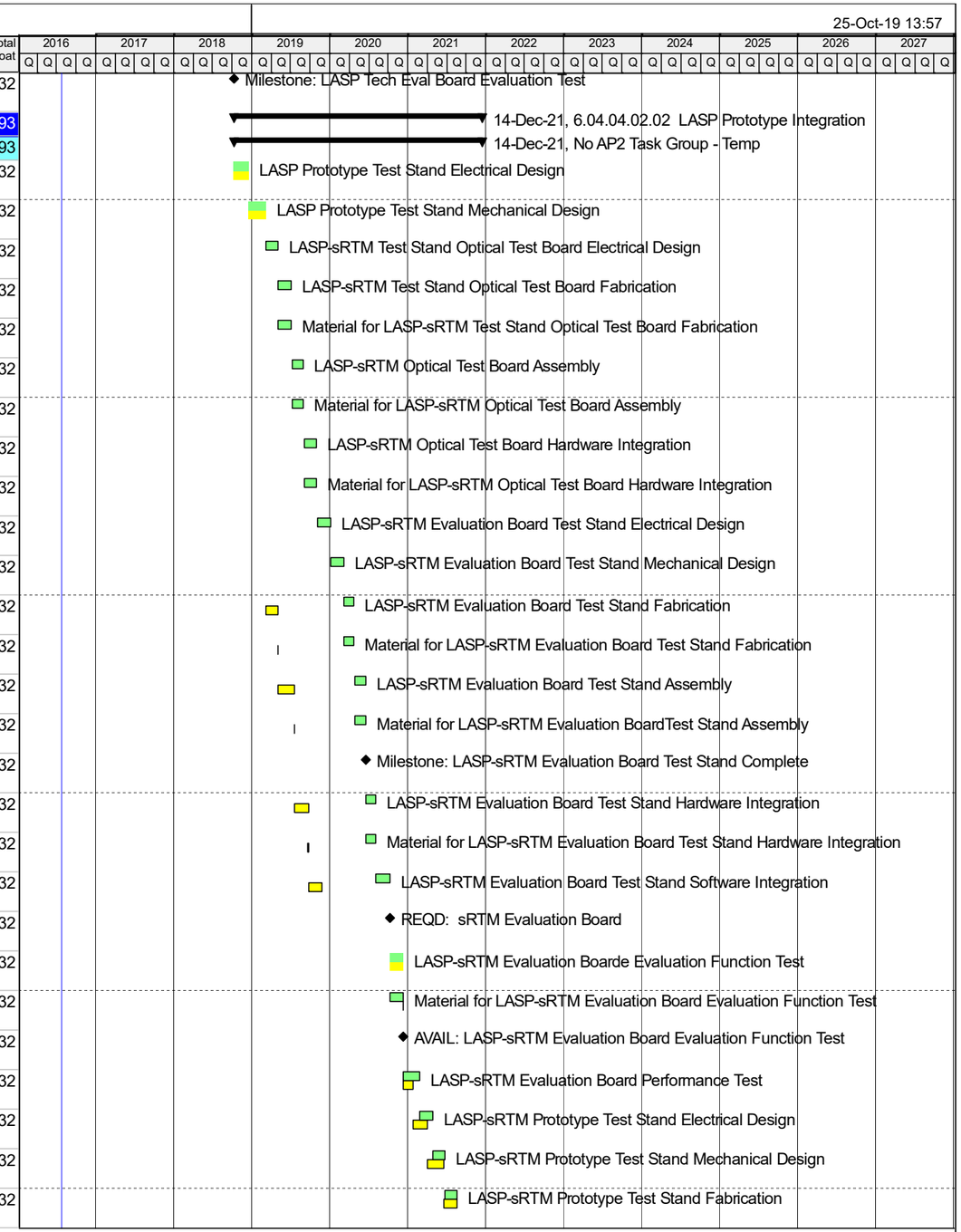
Primary Baseline | Remaining Work | Milestone
Actual Work | Critical Remaining Work | Summary

Activity ID	Activity Name	Duration	% Complete	BL Start	BL Finish	WS Start	WS Finish	Total Float
SYS460374	FEB2 Prod Evaluation Test Set 3 Shipment to CERN	59	0%	19-Jan-24	20-Mar-24	07-Dec-23	01-Mar-24	331
SYS460374M	Material for FEB2 Prod Evaluation Test Set 3 Shipment to CERN	59	0%	19-Mar-24	20-Mar-24	07-Dec-23	01-Mar-24	331
SYS460379R	REQD: Fourth Set of 160 FEB2 Boards for BNL	0	0%	19-Mar-24		19-Mar-24		223
SYS460380	FEB2 Prod Evaluation Test Set 4 - 160 Boards	42	0%	19-Mar-24	16-May-24	19-Mar-24	16-May-24	223
SYS460380T	Travel for FEB2 Prod Evaluation Test Set 4 - 160 Boards	42	0%	19-Mar-24	14-May-24	19-Mar-24	16-May-24	223
SYS460382A	AVAIL: Third 25% FEB2 Available for Acceptance Test	0	0%		16-May-24		16-May-24	277
SYS460384	FEB2 Prod Evaluation Test Set 4 Shipment	35	0%	26-Mar-24	12-Jun-24	16-May-24	08-Jul-24	223
SYS460384M	Material for FEB2 Prod Evaluation Test Set 4 Shipment	35	0%	11-Jun-24	12-Jun-24	16-May-24	08-Jul-24	223
SYS460385R	REQD: Final Set of 166 FEB2 Boards for BNL	0	0%			25-Jun-24		231
SYS460390	FEB2 Prod Evaluation Test for Debug BNL Boards	35	0%	16-May-24	05-Aug-24	08-Jul-24	26-Aug-24	223
SYS460390M	Material for FEB2 Prod Evaluation Test for Debug BNL Boards	35	0%	02-Aug-24	05-Aug-24	08-Jul-24	26-Aug-24	223
SYS460390T	Travel for FEB2 Prod Evaluation Test for Debug BNL Boards	35	0%	16-May-24	31-Jul-24	08-Jul-24	26-Aug-24	223
SYS460400	FEB2 Prod Evaluation Test Repaired Batch	28	0%	05-Aug-24	20-Sep-24	26-Aug-24	04-Oct-24	223
SYS460410	FEB2 Final Prod Shipment to CERN	30	0%	20-Sep-24	21-Nov-24	26-Aug-24	08-Oct-24	251
SYS460410M	Material for FEB2 Final Prod Shipment to CERN	30	0%	20-Nov-24	21-Nov-24	26-Aug-24	08-Oct-24	251
SYS460410T	Travel for FEB2 Final Prod Shipment to CERN	30	0%	20-Sep-24	21-Nov-24	26-Aug-24	08-Oct-24	251
SYS460405A	AVAIL: Final 25% FEB2 Available for Acceptance Test	0	0%				04-Oct-24	223
SYS460420	Milestone: FEB2 Prod Shipment to CERN Complete	0	0%		21-Nov-24		08-Oct-24	251
6.04.04.02 System Integration-BNL		1834	0%	02-Oct-17	03-Sep-25	02-Oct-17	02-Jan-25	193
6.04.04.02.01 LASP Technology Evaluation		260	0%	02-Oct-17	10-Oct-18	02-Oct-17	10-Oct-18	232
No AP2 Task Group - Temp		260	0%	02-Oct-17	10-Oct-18	02-Oct-17	10-Oct-18	232
SYS460440	LASP Technology Study	22	0%	02-Oct-17	01-Nov-17	02-Oct-17*	01-Nov-17	0
SYS460440M	Material for LASP Technology Study	1	0%	01-Nov-17	01-Nov-17	01-Nov-17	01-Nov-17	232
SYS460450	LASP Tech Eval Board Schematics Design	66	0%	02-Nov-17	06-Feb-18	02-Nov-17	06-Feb-18	232
SYS460460	LASP Tech Eval Board Layout Design	42	0%	07-Feb-18	06-Apr-18	07-Feb-18	06-Apr-18	232
SYS460470	LASP Tech Eval Board Fabrication	44	0%	09-Apr-18	08-Jun-18	09-Apr-18	08-Jun-18	232
SYS460470M	Material for LASP Tech Eval Board Fabrication	1	0%	08-Jun-18	08-Jun-18	08-Jun-18	08-Jun-18	232
SYS460480	LASP Tech Eval Board Function Test	54	0%	11-Jun-18	24-Aug-18	11-Jun-18	24-Aug-18	232
SYS460480M	Material for LASP Tech Eval Board Function Test	1	0%	24-Aug-18	24-Aug-18	24-Aug-18	24-Aug-18	232
SYS460490	LASP Tech Eval Board Performance Test	32	0%	27-Aug-18	10-Oct-18	27-Aug-18	10-Oct-18	232
SYS460495R	REQD: I/O and Architecture Conceptual Design	0	0%	08-Oct-18		08-Oct-18		235



Primary Baseline | Remaining Work | Milestone
Actual Work | Critical Remaining Work | Summary

Activity ID	Activity Name	Duration	% Complete	BL Start	BL Finish	WS Start	WS Finish	Total Float
SYS460500	Milestone: LASP Tech Eval Board Evaluation Test	0	0%		10-Oct-18		10-Oct-18	232
6.04.04.02.02 LASP Prototype Integration		**803**	**0%**	**12-Oct-18**	**25-Mar-22**	**12-Oct-18**	**14-Dec-21**	**193**
No AP2 Task Group - Temp		**803**	**0%**	**12-Oct-18**	**25-Mar-22**	**12-Oct-18**	**14-Dec-21**	**193**
SYS460510	LASP Prototype Test Stand Electrical Design	45	0%	12-Oct-18	14-Dec-18	12-Oct-18	14-Dec-18	232
SYS460520	LASP Prototype Test Stand Mechanical Design	55	0%	17-Dec-18	06-Mar-19	17-Dec-18	06-Mar-19	232
SYS460521	LASP-sRTM Test Stand Optical Test Board Electrical Design	41	0%			07-Mar-19	02-May-19	232
SYS460522	LASP-sRTM Test Stand Optical Test Board Fabrication	44	0%			03-May-19	05-Jul-19	232
SYS460522M	Material for LASP-sRTM Test Stand Optical Test Board Fabrication	44	0%			03-May-19	05-Jul-19	232
SYS460523	LASP-sRTM Optical Test Board Assembly	40	0%			08-Jul-19	30-Aug-19	232
SYS460523M	Material for LASP-sRTM Optical Test Board Assembly	40	0%			08-Jul-19	30-Aug-19	232
SYS460524	LASP-sRTM Optical Test Board Hardware Integration	43	0%			03-Sep-19	01-Nov-19	232
SYS460524M	Material for LASP-sRTM Optical Test Board Hardware Integration	43	0%			03-Sep-19	01-Nov-19	232
SYS460525	LASP-sRTM Evaluation Board Test Stand Electrical Design	42	0%			04-Nov-19	03-Jan-20	232
SYS460526	LASP-sRTM Evaluation Board Test Stand Mechanical Design	44	0%			06-Jan-20	06-Mar-20	232
SYS460530	LASP-sRTM Evaluation Board Test Stand Fabrication	35	0%	07-Mar-19	02-May-19	09-Mar-20	24-Apr-20	232
SYS460530M	Material for LASP-sRTM Evaluation Board Test Stand Fabrication	35	0%	02-May-19	02-May-19	09-Mar-20	24-Apr-20	232
SYS460540	LASP-sRTM Evaluation Board Test Stand Assembly	35	0%	03-May-19	19-Jul-19	27-Apr-20	15-Jun-20	232
SYS460540M	Material for LASP-sRTM Evaluation BoardTest Stand Assembly	35	0%	19-Jul-19	19-Jul-19	27-Apr-20	15-Jun-20	232
SYS460550	Milestone: LASP-sRTM Evaluation Board Test Stand Complete	0	0%		19-Jul-19		15-Jun-20	232
SYS460560	LASP-sRTM Evaluation Board Test Stand Hardware Integration	35	0%	22-Jul-19	23-Sep-19	16-Jun-20	04-Aug-20	232
SYS460560M	Material for LASP-sRTM Evaluation Board Test Stand Hardware Integration	35	0%	20-Sep-19	23-Sep-19	16-Jun-20	04-Aug-20	232
SYS460570	LASP-sRTM Evaluation Board Test Stand Software Integration	45	0%	23-Sep-19	25-Nov-19	05-Aug-20	07-Oct-20	232
SYS460575R	REQD: sRTM Evaluation Board	0	0%	08-Oct-20		08-Oct-20		232
SYS460580	LASP-sRTM Evaluation Boarde Evaluation Function Test	43	0%	08-Oct-20	09-Dec-20	08-Oct-20	09-Dec-20	232
SYS460580M	Material for LASP-sRTM Evaluation Board Evaluation Function Test	43	0%	09-Dec-20	09-Dec-20	08-Oct-20	09-Dec-20	232
SYS460585A	AVAIL: LASP-sRTM Evaluation Board Evaluation Function Test	0	0%	10-Dec-20		10-Dec-20		232
SYS460590	LASP-sRTM Evaluation Board Performance Test	50	0%	10-Dec-20	27-Jan-21	10-Dec-20	22-Feb-21	232
SYS460600	LASP-sRTM Prototype Test Stand Electrical Design	47	0%	27-Jan-21	30-Mar-21	23-Feb-21	28-Apr-21	232
SYS460610	LASP-sRTM Prototype Test Stand Mechanical Design	40	0%	30-Mar-21	16-Jun-21	29-Apr-21	24-Jun-21	232
SYS460620	LASP-sRTM Prototype Test Stand Fabrication	40	0%	16-Jun-21	17-Aug-21	25-Jun-21	20-Aug-21	232



Primary Baseline | Remaining Work | Milestone
Actual Work | Critical Remaining Work | Summary

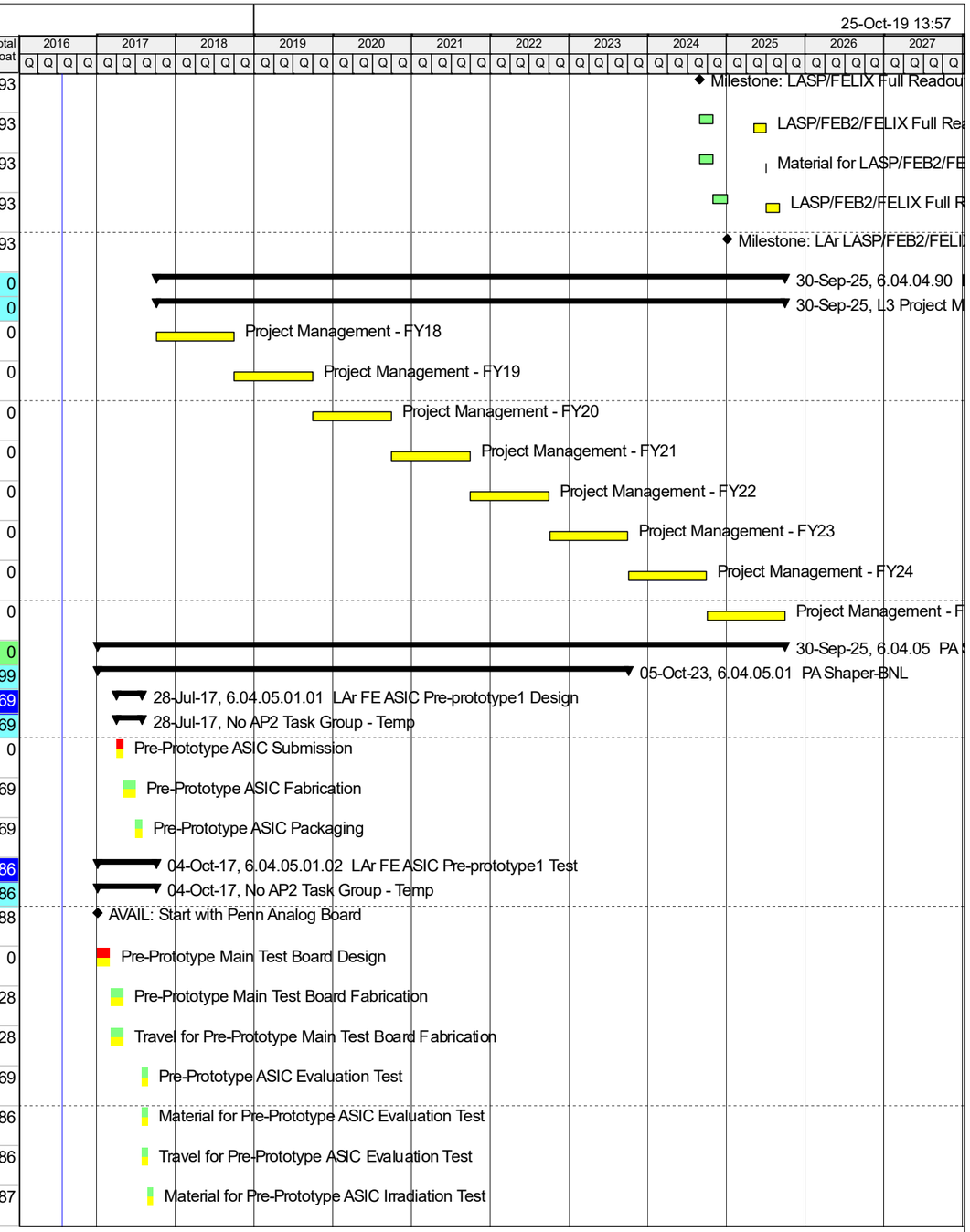
Activity ID	Activity Name	Duration	% Complete	BL Start	BL Finish	WS Start	WS Finish	Total Float
SYS460620M	Material for LASP-sRTM Prototype Test Stand Fabrication	40	0%	16-Aug-21	17-Aug-21	25-Jun-21	20-Aug-21	232
SYS460630	LASP-sRTM Prototype Test Stand Assembly	40	0%	17-Aug-21	20-Oct-21	23-Aug-21	19-Oct-21	232
SYS460630M	Material for LASP-sRTM Prototype Test Stand Assembly	40	0%	19-Oct-21	20-Oct-21	23-Aug-21	19-Oct-21	232
SYS460635R	REQD: V2 sRTM Validation Results	0	0%			19-Oct-21		193
SYS460640	LASP-sRTM Prototype Test Stand Integration	20	0%	20-Oct-21	03-Dec-21	19-Oct-21	15-Nov-21	193
SYS460650	LASP-sRTM Prototype Evaluation Function Test	20	0%	03-Dec-21	08-Feb-22	16-Nov-21	14-Dec-21	193
SYS460650M	Material for LASP-sRTM Prototype Evaluation Function Test	20	0%	07-Feb-22	08-Feb-22	16-Nov-21	14-Dec-21	193
SYS460670	Milestone:Completion of LASP-sRTM Prototype Evaluation Performance Test	0	0%		25-Mar-22		14-Dec-21	193
6.04.04.02.03 LASP BE Crate System Integration		**325**	**0%**	**25-Mar-22**	**01-Nov-23**	**15-Dec-21**	**29-Mar-23**	**259**
No AP2 Task Group - Temp		**325**	**0%**	**25-Mar-22**	**01-Nov-23**	**15-Dec-21**	**29-Mar-23**	**259**
SYS460680	LASP -sRTM BEC Test Stand Electrical Design	20	0%	25-Mar-22	25-May-22	15-Dec-21	13-Jan-22	193
SYS460690	LASP -sRTM BEC Test Stand Mechanical Design	20	0%	25-May-22	11-Aug-22	14-Jan-22	10-Feb-22	193
SYS460700	LASP -sRTM BEC Test Stand Fabrication	20	0%	11-Aug-22	17-Oct-22	11-Feb-22	11-Mar-22	193
SYS460700M	Material for LASP -sRTM BEC Test Stand Fabrication	20	0%	14-Oct-22	17-Oct-22	11-Feb-22	11-Mar-22	193
SYS460710	LASP -sRTM BEC Test Stand Assembly	20	0%	17-Oct-22	05-Jan-23	14-Mar-22	08-Apr-22	193
SYS460710M	Material for LASP -sRTM BEC Test Stand Assembly	20	0%	04-Jan-23	05-Jan-23	14-Mar-22	08-Apr-22	193
SYS460720	Milestone: Completion of LASP -sRTM BEC Test Stand	0	0%		05-Jan-23		08-Apr-22	193
SYS460730	LASP -sRTM BEC Test Stand Hardware Integration	20	0%	05-Jan-23	05-Jan-23	11-Apr-22	06-May-22	193
SYS460730M	Material for LASP -sRTM BEC Test Stand Hardware Integration	20	0%	04-Jan-23	05-Jan-23	11-Apr-22	06-May-22	193
SYS460740	LASP -sRTM BEC Test Stand Software/Firmware Integration	30	0%	05-Jan-23	10-Mar-23	09-May-22	20-Jun-22	193
SYS460745A	AVAIL LASP -sRTM BEC Test Stand Software Integration	0	0%		10-Mar-23		20-Jun-22	193
SYS460755A	AVAIL LASP -sRTM BEC Test Stand Firmware Integration	0	0%		11-May-23		20-Jun-22	193
SYS460755R	REQD: 2 Prototype Boards from SBU	0	0%	29-Nov-22		21-Jun-22		193
SYS460760	LASP-sRTM BEC Evaluation Test	55	0%	11-May-23	31-Jul-23	21-Jun-22	07-Sep-22	193
SYS460760M	Material for LASP-sRTM BEC Evaluation Test	55	0%	28-Jul-23	31-Jul-23	21-Jun-22	07-Sep-22	193
SYS460761A	AVAIL: LASP-sRTM BEC Evaluation Test	0	0%				07-Sep-22	193
SYS460765	Milestone: LASP -sRTM BEC Evaluation Test	0	0%				07-Sep-22	264
SYS460770	External Milestone: ATLAS FDR	0	0%		14-Sep-23		07-Sep-22	264
SYS460775	LASP -sRTM BEC Test Stand Revision	45	0%			08-Sep-22	10-Nov-22	264
SYS460780	LASP -sRTM BEC Test Stand Revision Fabrication	30	0%	14-Sep-23	14-Sep-23	11-Nov-22	23-Dec-22	264

Primary Baseline | Remaining Work | Milestone
Actual Work | Critical Remaining Work | Summary

Activity ID	Activity Name	Duration	% Complete	BL Start	BL Finish	WS Start	WS Finish	Total Float
SYS460780M	Material for LASP -sRTM BEC Test Stand Revision Fabrication	30	0%			11-Nov-22	23-Dec-22	264
SYS460785	LASP -sRTM BEC Test Stand Revision Assembly	30	0%			27-Dec-22	07-Feb-23	264
SYS460785M	Material for LASP -sRTM BEC Test Stand Revision Assembly	30	0%			27-Dec-22	07-Feb-23	264
SYS460790	LASP-sRTM BEC Evaluation Performance Test	30	0%	14-Sep-23	01-Nov-23	15-Feb-23	29-Mar-23	259
SYS460795	Milestone: LASP -sRTM BEC Evaluation Performance Test	0	0%				29-Mar-23	259
SYS460798	External Milestone: ATLAS PRR	0	0%				29-Mar-23	259
6.04.04.02.04 LASP Full Chain System Integration		**446**	**0%**	**25-Oct-23**	**03-Sep-25**	**30-Mar-23**	**02-Jan-25**	**193**
No AP2 Task Group - Temp		**446**	**0%**	**25-Oct-23**	**03-Sep-25**	**30-Mar-23**	**02-Jan-25**	**193**
SYS460800	LASP Full Readout Chain Test Stand Electrical Design	22	0%	01-Nov-23	05-Jan-24	30-Mar-23	28-Apr-23	259
SYS460805	LASP Full Readout Chain Test Stand Mechanical Design	22	0%			01-May-23	31-May-23	259
SYS460810	LASP Full Readout Chain Test Stand Fabrication	22	0%	05-Jan-24	06-Mar-24	01-Jun-23	30-Jun-23	259
SYS460810M	Material for LASP Full Readout Chain Test Stand Fabrication	22	0%	05-Mar-24	06-Mar-24	01-Jun-23	30-Jun-23	259
SYS460820	LASP Full Readout Chain Test Stand Assembly	22	0%	06-Mar-24	22-May-24	03-Jul-23	02-Aug-23	259
SYS460820M	Material for LASP Full Readout Chain Test Stand Assembly	22	0%	21-May-24	22-May-24	03-Jul-23	02-Aug-23	259
SYS460830	Milestone: LASP Full Readout Chain Test Stand Fabrication	0	0%		22-May-24		02-Aug-23	259
SYS460839EX	External Milestone: LASP Pre-Production (x4) Available from	0	0%		22-May-24		02-Aug-23	259
SYS460840	LASP Full Readout Chain Test Stand Hardware Integration	25	0%	22-May-24	25-Jul-24	03-Aug-23	07-Sep-23	259
SYS460840M	Material for LASP Full Readout Chain Test Stand Hardware Integration	25	0%	24-Jul-24	25-Jul-24	03-Aug-23	07-Sep-23	259
SYS460850	LASP Full Readout Chain Test Stand Software Integration	25	0%	25-Jul-24	25-Sep-24	08-Sep-23	13-Oct-23	259
SYS460850M	Material for LASP Full Readout Chain Test Stand Software Integration	25	0%	24-Sep-24	25-Sep-24	08-Sep-23	13-Oct-23	259
SYS460860	LASP Full Readout Chain Test Stand Firmware Integration	22	0%	25-Sep-24	26-Nov-24	16-Oct-23	14-Nov-23	259
SYS460860M	Material for LASP Full Readout Chain Test Stand Firmware Integration	22	0%	25-Nov-24	26-Nov-24	16-Oct-23	14-Nov-23	259
SYS460865R	REQD: 3 Production Boards for Full Readout Chain Integration Test	0	0%	25-Oct-23		20-Feb-24		193
SYS460870	LASP/FEB2 Full Readout Chain Integration Test	45	0%	26-Nov-24	16-Jan-25	20-Feb-24	23-Apr-24	193
SYS460870M	Material for LASP/FEB2 Full Readout Chain Integration Test	45	0%	15-Jan-25	16-Jan-25	20-Feb-24	23-Apr-24	193
SYS460880T3	Milestone: LASP/FEB2 Full Readout Chain Integration Test Complete	0	0%				23-Apr-24	193
SYS460880T4	Milestone: LASP/FEB2 Full Readout Chain Integration Test Complete	0	0%				23-Apr-24	193
SYS460890	LASP/FELIX Full Readout Chain HW/SW/FW Integration	45	0%	16-Jan-25	18-Mar-25	23-Apr-24	26-Jun-24	193
SYS460890M	Material for LASP/FELIX Full Readout Chain HW/SW/FW Integration	45	0%	17-Mar-25	18-Mar-25	23-Apr-24	26-Jun-24	193
SYS460900	LASP/FELIX Full Readout Chain Integration Test	45	0%	18-Mar-25	05-May-25	26-Jun-24	29-Aug-24	193

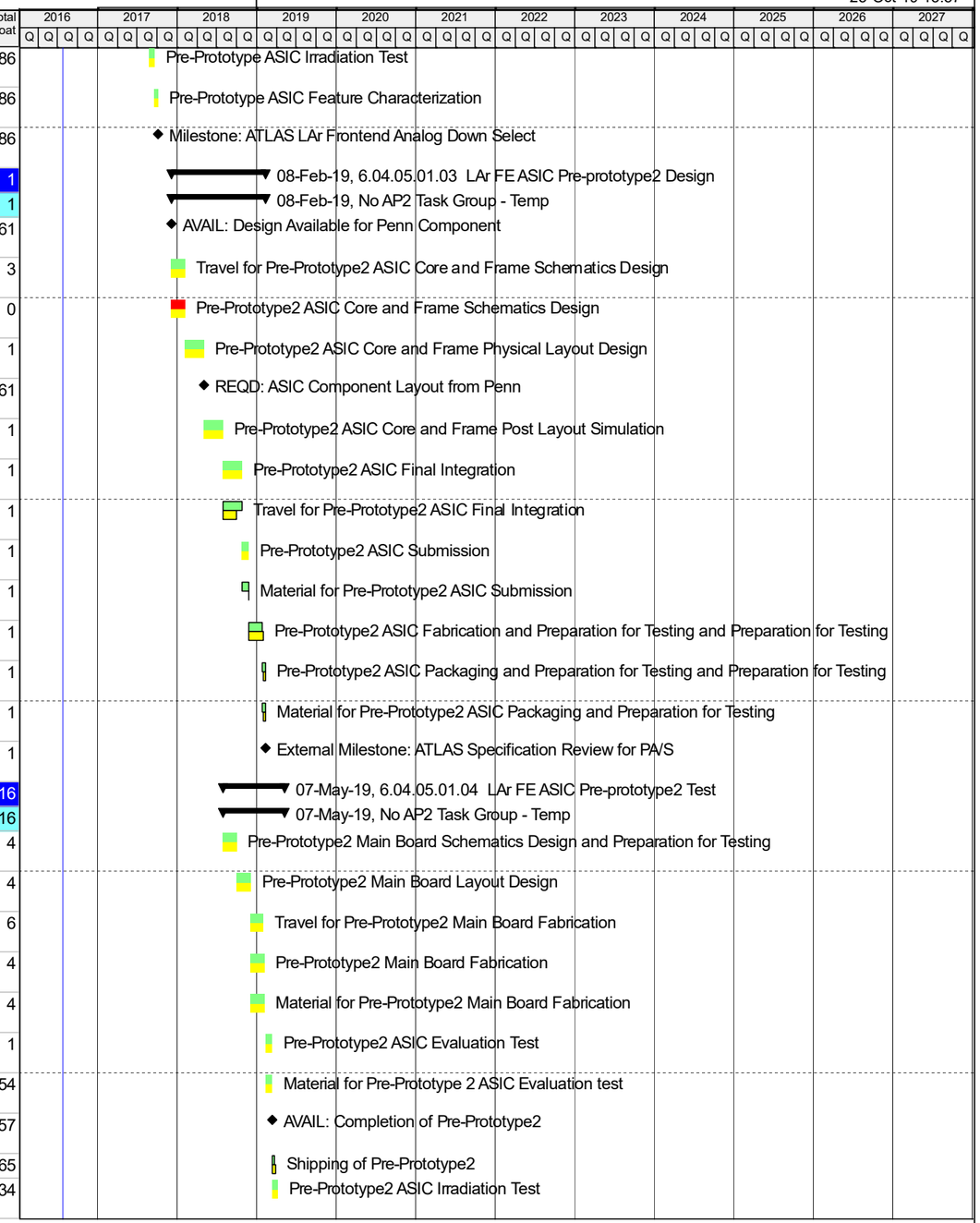
Primary Baseline | Remaining Work | Milestone
Actual Work | Critical Remaining Work | Summary

Activity ID	Activity Name	Duration	% Complete	BL Start	BL Finish	WS Start	WS Finish	Total Float
SYS460910	Milestone: LASP/FELIX Full Readout Chain Integration Test	0	0%		05-May-25		29-Aug-24	193
SYS460920	LASP/FEB2/FELIX Full Readout Chain HW/SW/FW Integration	42	0%	05-May-25	03-Jul-25	29-Aug-24	30-Oct-24	193
SYS460920M	Material for LASP/FEB2/FELIX Full Readout Chain HW/SW/FW Integration	42	0%	02-Jul-25	03-Jul-25	29-Aug-24	30-Oct-24	193
SYS460930	LASP/FEB2/FELIX Full Readout Chain Integration Test	43	0%	03-Jul-25	03-Sep-25	30-Oct-24	02-Jan-25	193
SYS460940	Milestone: LAr LASP/FEB2/FELIX Full Readout Chain Integration Test	0	0%		03-Sep-25		02-Jan-25	193
6.04.04.90	**L3 Project Management**	2023	0%	02-Oct-17	30-Sep-25	02-Oct-17	30-Sep-25	0
L3 Project Management		2023	0%	02-Oct-17	30-Sep-25	02-Oct-17	30-Sep-25	0
MGT43330	Project Management - FY18	252	0%	02-Oct-17	28-Sep-18	02-Oct-17	28-Sep-18	0
MGT43340	Project Management - FY19	253	0%	01-Oct-18	30-Sep-19	01-Oct-18	30-Sep-19	0
MGT43350	Project Management - FY20	254	0%	01-Oct-19	30-Sep-20	01-Oct-19	30-Sep-20	0
MGT43360	Project Management - FY21	253	0%	01-Oct-20	30-Sep-21	01-Oct-20	30-Sep-21	0
MGT43370	Project Management - FY22	253	0%	01-Oct-21	30-Sep-22	01-Oct-21	30-Sep-22	0
MGT43380	Project Management - FY23	252	0%	03-Oct-22	29-Sep-23	03-Oct-22	29-Sep-23	0
MGT43390	Project Management - FY24	253	0%	02-Oct-23	30-Sep-24	02-Oct-23	30-Sep-24	0
MGT43400	Project Management - FY25	253	0%	01-Oct-24	30-Sep-25	01-Oct-24	30-Sep-25	0
6.04.05	**PA Shaper**	2213	0%	03-Jan-17	30-Sep-25	03-Jan-17	30-Sep-25	0
6.04.05.01	**PA Shaper-BNL**	1710	0%	03-Jan-17	09-Oct-23	03-Jan-17	05-Oct-23	399
6.04.05.01.01	**LAr FE ASIC Pre-prototype1 Design**	83	0%	03-Apr-17	28-Jul-17	03-Apr-17	28-Jul-17	69
No AP2 Task Group - Temp		83	0%	03-Apr-17	28-Jul-17	03-Apr-17	28-Jul-17	69
ASIC460010	Pre-Prototype ASIC Submission	21	0%	03-Apr-17	01-May-17	03-Apr-17*	01-May-17	0
ASIC460020	Pre-Prototype ASIC Fabrication	40	0%	01-May-17	27-Jun-17	01-May-17	27-Jun-17	69
ASIC460030	Pre-Prototype ASIC Packaging	22	0%	27-Jun-17	28-Jul-17	27-Jun-17	28-Jul-17	69
6.04.05.01.02	**LAr FE ASIC Pre-prototype1 Test**	193	0%	03-Jan-17	04-Oct-17	03-Jan-17	04-Oct-17	86
No AP2 Task Group - Temp		193	0%	03-Jan-17	04-Oct-17	03-Jan-17	04-Oct-17	86
ASIC460041A	AVAIL: Start with Penn Analog Board	0	0%		03-Jan-17		03-Jan-17	188
ASIC460040	Pre-Prototype Main Test Board Design	43	0%	03-Jan-17	03-Mar-17	03-Jan-17*	03-Mar-17	0
ASIC460050	Pre-Prototype Main Test Board Fabrication	44	0%	06-Mar-17	04-May-17	06-Mar-17	04-May-17	128
ASIC460050T	Travel for Pre-Prototype Main Test Board Fabrication	44	0%	06-Mar-17	04-May-17	06-Mar-17	04-May-17	128
ASIC460060	Pre-Prototype ASIC Evaluation Test	20	0%	28-Jul-17	25-Aug-17	28-Jul-17	25-Aug-17	69
ASIC460060M	Material for Pre-Prototype ASIC Evaluation Test	20	0%	28-Jul-17	25-Aug-17	28-Jul-17	25-Aug-17	86
ASIC460060T	Travel for Pre-Prototype ASIC Evaluation Test	20	0%	28-Jul-17	25-Aug-17	28-Jul-17	25-Aug-17	86
ASIC460070M	Material for Pre-Prototype ASIC Irradiation Test	16	0%	25-Aug-17	19-Sep-17	25-Aug-17	19-Sep-17	87



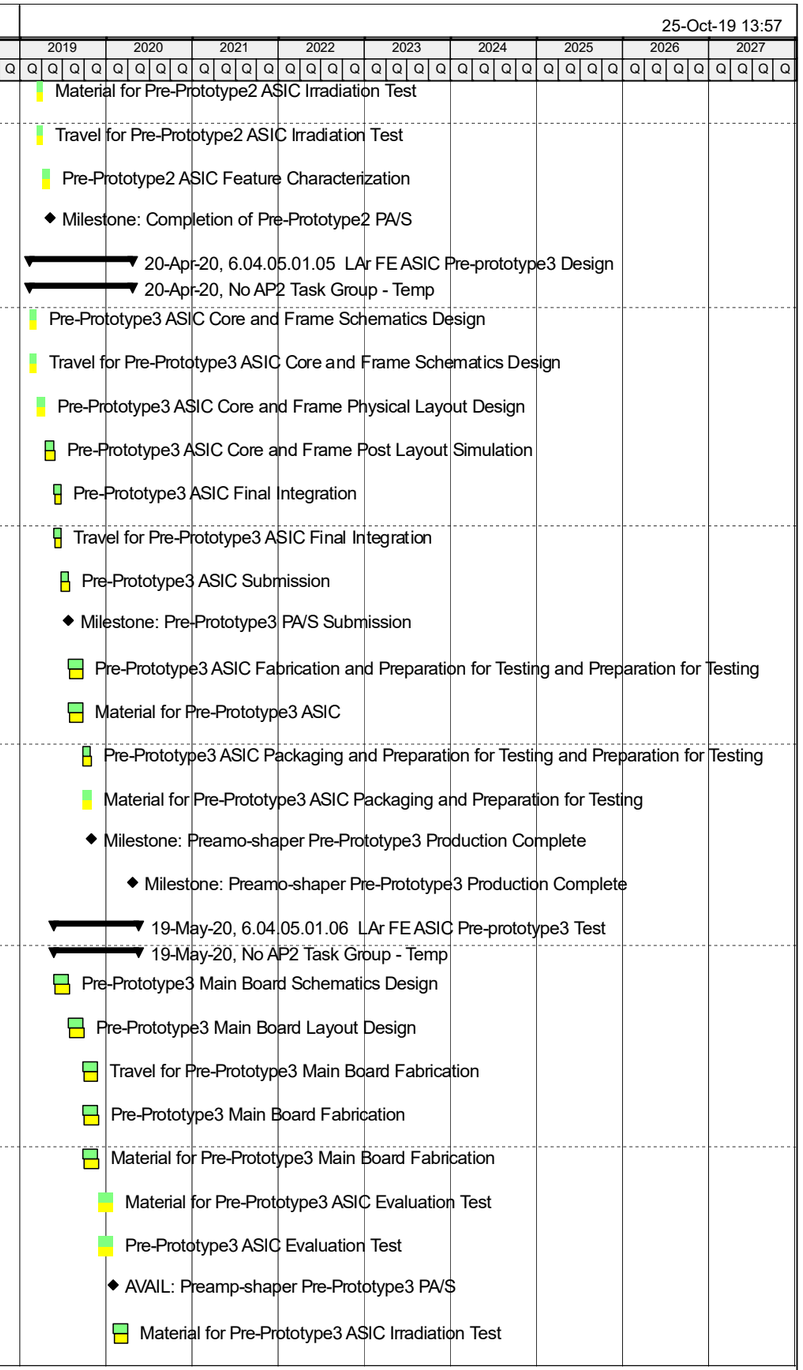
Primary Baseline | Remaining Work | Milestone
Actual Work | Critical Remaining Work | Summary

Activity ID	Activity Name	Duration	% Complete	BL Start	BL Finish	WS Start	WS Finish	Total Float
ASIC460070	Pre-Prototype ASIC Irradiation Test	17	0%	25-Aug-17	20-Sep-17	25-Aug-17	20-Sep-17	86
ASIC460080	Pre-Prototype ASIC Feature Characterization	10	0%	20-Sep-17	04-Oct-17	20-Sep-17	04-Oct-17	86
ASIC460090	Milestone: ATLAS LAr Frontend Analog Down Select	0	0%		04-Oct-17		04-Oct-17	86
6.04.05.01.03 LAr FE ASIC Pre-prototype2 Design		**298**	**0%**	**06-Dec-17**	**11-Feb-19**	**06-Dec-17**	**08-Feb-19**	**1**
No AP2 Task Group - Temp		**298**	**0%**	**06-Dec-17**	**11-Feb-19**	**06-Dec-17**	**08-Feb-19**	**1**
ASIC460101A	AVAIL: Design Available for Penn Component	0	0%		06-Dec-17		06-Dec-17	61
ASIC460100T	Travel for Pre-Prototype2 ASIC Core and Frame Schematics Design	41	0%	06-Dec-17	02-Feb-18	06-Dec-17	02-Feb-18	3
ASIC460100	Pre-Prototype2 ASIC Core and Frame Schematics Design	43	0%	06-Dec-17	06-Feb-18	06-Dec-17*	06-Feb-18	0
ASIC460110	Pre-Prototype2 ASIC Core and Frame Physical Layout Design	60	0%	07-Feb-18	02-May-18	07-Feb-18	02-May-18	1
ASIC460129R	REQD: ASIC Component Layout from Penn	0	0%	03-May-18		03-May-18		61
ASIC460120	Pre-Prototype2 ASIC Core and Frame Post Layout Simulation	60	0%	03-May-18	27-Jul-18	03-May-18	27-Jul-18	1
ASIC460130	Pre-Prototype2 ASIC Final Integration	60	0%	30-Jul-18	23-Oct-18	30-Jul-18	23-Oct-18	1
ASIC460130T	Travel for Pre-Prototype2 ASIC Final Integration	60	0%	30-Jul-18	27-Sep-18	30-Jul-18	23-Oct-18	1
ASIC460140	Pre-Prototype2 ASIC Submission	22	0%	24-Oct-18	23-Nov-18	24-Oct-18	23-Nov-18	1
ASIC460140M	Material for Pre-Prototype2 ASIC Submission	22	0%	26-Nov-18	26-Nov-18	24-Oct-18	23-Nov-18	1
ASIC460150	Pre-Prototype2 ASIC Fabrication and Preparation for Testing and Preparation	43	0%	27-Nov-18	28-Jan-19	26-Nov-18	25-Jan-19	1
ASIC460160	Pre-Prototype2 ASIC Packaging and Preparation for Testing and Preparation	10	0%	29-Jan-19	11-Feb-19	28-Jan-19	08-Feb-19	1
ASIC460160M	Material for Pre-Prototype2 ASIC Packaging and Preparation for Testing	10	0%	29-Jan-19	11-Feb-19	28-Jan-19	08-Feb-19	1
ASIC460170	External Milestone: ATLAS Specification Review for PA/S	0	0%		11-Feb-19		08-Feb-19	1
6.04.05.01.04 LAr FE ASIC Pre-prototype2 Test		**196**	**0%**	**30-Jul-18**	**08-May-19**	**30-Jul-18**	**07-May-19**	**216**
No AP2 Task Group - Temp		**196**	**0%**	**30-Jul-18**	**08-May-19**	**30-Jul-18**	**07-May-19**	**216**
ASIC460180	Pre-Prototype2 Main Board Schematics Design and Preparation for Testing	44	0%	30-Jul-18	28-Sep-18	30-Jul-18	28-Sep-18	4
ASIC460190	Pre-Prototype2 Main Board Layout Design	44	0%	28-Sep-18	03-Dec-18	28-Sep-18	03-Dec-18	4
ASIC460200T	Travel for Pre-Prototype2 Main Board Fabrication	42	0%	03-Dec-18	01-Feb-19	03-Dec-18	01-Feb-19	6
ASIC460200	Pre-Prototype2 Main Board Fabrication	44	0%	03-Dec-18	05-Feb-19	03-Dec-18	05-Feb-19	4
ASIC460200M	Material for Pre-Prototype2 Main Board Fabrication	44	0%	03-Dec-18	06-Feb-19	03-Dec-18	06-Feb-19	4
ASIC460210	Pre-Prototype2 ASIC Evaluation Test	20	0%	12-Feb-19	12-Mar-19	11-Feb-19	11-Mar-19	1
ASIC460210M	Material for Pre-Prototype 2 ASIC Evaluation test	20	0%	12-Feb-19	12-Mar-19	11-Feb-19	11-Mar-19	54
ASIC460245A	AVAIL: Completion of Pre-Prototype2	0	0%		12-Mar-19		11-Mar-19	257
ASIC460240	Shipping of Pre-Prototype2	10	0%	13-Mar-19	26-Mar-19	12-Mar-19	25-Mar-19	65
ASIC460220	Pre-Prototype2 ASIC Irradiation Test	20	0%	13-Mar-19	09-Apr-19	12-Mar-19	08-Apr-19	34



Primary Baseline | Remaining Work | Milestone
Actual Work | Critical Remaining Work | Summary

Activity ID	Activity Name	Duration	% Complete	BL Start	BL Finish	WS Start	WS Finish	Total Float
ASIC460220M	Material for Pre-Prototype2 ASIC Irradiation Test	20	0%	13-Mar-19	09-Apr-19	12-Mar-19	08-Apr-19	34
ASIC460220T	Travel for Pre-Prototype2 ASIC Irradiation Test	20	0%	13-Mar-19	09-Apr-19	12-Mar-19	08-Apr-19	34
ASIC460230	Pre-Prototype2 ASIC Feature Characterization	21	0%	10-Apr-19	08-May-19	09-Apr-19	07-May-19	34
ASIC460250	Milestone: Completion of Pre-Prototype2 PA/S	0	0%		08-May-19		07-May-19	34
6.04.05.01.05 LAr FE ASIC Pre-prototype3 Design		**301**	**0%**	**12-Feb-19**	**29-Oct-19**	**11-Feb-19**	**20-Apr-20**	**0**
No AP2 Task Group - Temp		**301**	**0%**	**12-Feb-19**	**29-Oct-19**	**11-Feb-19**	**20-Apr-20**	**0**
ASIC460260	Pre-Prototype3 ASIC Core and Frame Schematics Design	20	0%	12-Feb-19	12-Mar-19	11-Feb-19	11-Mar-19	1
ASIC460260T	Travel for Pre-Prototype3 ASIC Core and Frame Schematics Design	20	0%	12-Feb-19	12-Mar-19	11-Feb-19	11-Mar-19	1
ASIC460270	Pre-Prototype3 ASIC Core and Frame Physical Layout Design	27	0%	13-Mar-19	18-Apr-19	12-Mar-19	17-Apr-19	1
ASIC460280	Pre-Prototype3 ASIC Core and Frame Post Layout Simulation	27	0%	18-Apr-19	28-May-19	17-Apr-19	24-May-19	1
ASIC460290	Pre-Prototype3 ASIC Final Integration	20	0%	28-May-19	25-Jun-19	24-May-19	24-Jun-19	1
ASIC460290T	Travel for Pre-Prototype3 ASIC Final Integration	20	0%	28-May-19	25-Jun-19	24-May-19	24-Jun-19	1
ASIC460300	Pre-Prototype3 ASIC Submission	23	0%	25-Jun-19	29-Jul-19	24-Jun-19	26-Jul-19	1
ASIC460305	Milestone: Pre-Prototype3 PA/S Submission	0	0%		29-Jul-19		26-Jul-19	1
ASIC460310	Pre-Prototype3 ASIC Fabrication and Preparation for Testing and Preparation	41	0%	29-Jul-19	25-Sep-19	26-Jul-19	24-Sep-19	1
ASIC460310M	Material for Pre-Prototype3 ASIC	41	0%	29-Jul-19	25-Sep-19	26-Jul-19	24-Sep-19	1
ASIC460320	Pre-Prototype3 ASIC Packaging and Preparation for Testing and Preparation	22	0%	25-Sep-19	28-Oct-19	24-Sep-19	25-Oct-19	1
ASIC460320M	Material for Pre-Prototype3 ASIC Packaging and Preparation for Testing	22	0%	25-Sep-19	29-Oct-19	24-Sep-19	28-Oct-19	1
ASIC460325T4	Milestone: Preamo-shaper Pre-Prototype3 Production Complete	0	0%				28-Oct-19	1
ASIC460325T3	Milestone: Preamo-shaper Pre-Prototype3 Production Complete	0	0%				20-Apr-20*	0
6.04.05.01.06 LAr FE ASIC Pre-prototype3 Test		**249**	**0%**	**28-May-19**	**20-May-20**	**24-May-19**	**19-May-20**	**214**
No AP2 Task Group - Temp		**249**	**0%**	**28-May-19**	**20-May-20**	**24-May-19**	**19-May-20**	**214**
ASIC460330	Pre-Prototype3 Main Board Schematics Design	43	0%	28-May-19	29-Jul-19	24-May-19	26-Jul-19	92
ASIC460340	Pre-Prototype3 Main Board Layout Design	43	0%	29-Jul-19	27-Sep-19	26-Jul-19	26-Sep-19	92
ASIC460350T	Travel for Pre-Prototype3 Main Board Fabrication	41	0%	27-Sep-19	26-Nov-19	26-Sep-19	25-Nov-19	94
ASIC460350	Pre-Prototype3 Main Board Fabrication	43	0%	27-Sep-19	29-Nov-19	26-Sep-19	27-Nov-19	92
ASIC460350M	Material for Pre-Prototype3 Main Board Fabrication	43	0%	27-Sep-19	29-Nov-19	26-Sep-19	27-Nov-19	92
ASIC460360M	Material for Pre-Prototype3 ASIC Evaluation Test	42	0%	02-Dec-19	30-Jan-20	29-Nov-19	29-Jan-20	93
ASIC460360	Pre-Prototype3 ASIC Evaluation Test	43	0%	02-Dec-19	31-Jan-20	29-Nov-19	30-Jan-20	92
ASIC460365A	AVAIL: Preamp-shaper Pre-Prototype3 PA/S	0	0%		31-Jan-20		30-Jan-20	291
ASIC460370M	Material for Pre-Prototype3 ASIC Irradiation Test	44	0%	03-Feb-20	03-Apr-20	31-Jan-20	02-Apr-20	93



Primary Baseline | Remaining Work | Milestone
Actual Work | Critical Remaining Work | Summary

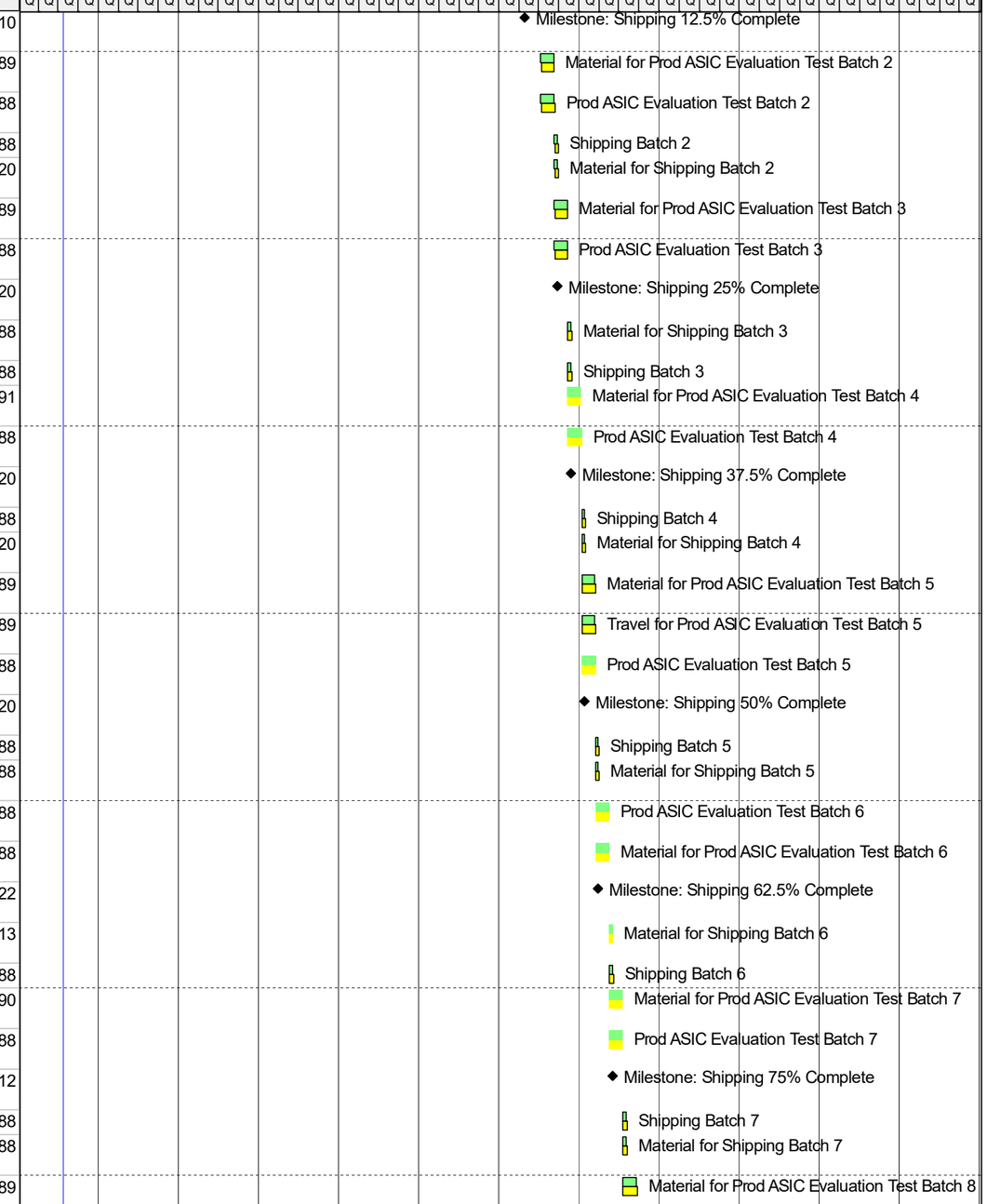
Activity ID	Activity Name	Duration	% Complete	BL Start	BL Finish	WS Start	WS Finish	Total Float
ASIC460370T	Travel for Pre-Prototype3 ASIC Irradiation Test	44	0%	03-Feb-20	03-Apr-20	31-Jan-20	02-Apr-20	93
ASIC460370	Pre-Prototype3 ASIC Irradiation Test	45	0%	03-Feb-20	06-Apr-20	31-Jan-20	03-Apr-20	92
ASIC460380	Pre-Prototype3 ASIC Feature Characterization	21	0%	07-Apr-20	05-May-20	06-Apr-20	04-May-20	92
ASIC460390	Shipping of Pre-Prototype3	11	0%	06-May-20	20-May-20	05-May-20	19-May-20	92
ASIC460400	Milestone: Completion of Pre-Prototype3 PA/S	0	0%		20-May-20		19-May-20	92
ASIC460405EX	External Milestone: ATLAS PDR PA/S	0	0%		20-May-20		19-May-20	92
6.04.05.01.07 LAr FE ASIC Prototype Design		**243**	**0%**	**31-Dec-19**	**16-Dec-20**	**30-Dec-19**	**14-Dec-20**	**288**
No AP2 Task Group - Temp		**243**	**0%**	**31-Dec-19**	**16-Dec-20**	**30-Dec-19**	**14-Dec-20**	**288**
ASIC460410T	Travel for Prototype ASIC Core and Frame Schematics Design	41	0%	31-Dec-19	27-Feb-20	30-Dec-19	26-Feb-20	290
ASIC460410	Prototype ASIC Core and Frame Schematics Design	43	0%	31-Dec-19	02-Mar-20	30-Dec-19	28-Feb-20	288
ASIC460420	Prototype ASIC Core and Frame Physical Layout Design	35	0%	03-Mar-20	20-Apr-20	02-Mar-20	17-Apr-20	288
ASIC460430	Prototype ASIC Core and Frame Post Layout Simulation	35	0%	21-Apr-20	09-Jun-20	20-Apr-20	08-Jun-20	288
ASIC460440T	Travel for Prototype ASIC Final Integration	41	0%	10-Jun-20	06-Aug-20	09-Jun-20	05-Aug-20	289
ASIC460440	Prototype ASIC Final Integration	42	0%	10-Jun-20	07-Aug-20	09-Jun-20	06-Aug-20	288
ASIC460450	Prototype ASIC Submission	22	0%	10-Aug-20	09-Sep-20	07-Aug-20	08-Sep-20	288
ASIC460450M	Material for Prototype ASIC Submission	22	0%	10-Sep-20	10-Sep-20	07-Aug-20	08-Sep-20	288
ASIC460455	Milestone: Prototype PA/S Submission	0	0%		09-Sep-20		08-Sep-20	288
ASIC460460	Prototype ASIC Fabrication and Preparation for Testing and Preparation	43	0%	11-Sep-20	11-Nov-20	09-Sep-20	09-Nov-20	288
ASIC460470	Prototype ASIC Packaging and Preparation for Testing and Preparation	23	0%	11-Nov-20	15-Dec-20	09-Nov-20	11-Dec-20	288
ASIC460470M	Material for Prototype ASIC Packaging	23	0%	11-Nov-20	16-Dec-20	09-Nov-20	14-Dec-20	288
ASIC460475	Milestone: Prototype Production Complete	0	0%		16-Dec-20		14-Dec-20	288
6.04.05.01.08 LAr FE ASIC Prototype Test		**216**	**0%**	**10-Jun-20**	**20-Apr-21**	**09-Jun-20**	**16-Apr-21**	**320**
No AP2 Task Group - Temp		**216**	**0%**	**10-Jun-20**	**20-Apr-21**	**09-Jun-20**	**16-Apr-21**	**320**
ASIC460480	Prototype Main Board Schematics Design	42	0%	10-Jun-20	07-Aug-20	09-Jun-20	06-Aug-20	288
ASIC460490	Prototype Main Board Layout Design	43	0%	10-Aug-20	08-Oct-20	07-Aug-20	07-Oct-20	288
ASIC460500M	Material for Prototype Main Board Fabrication	44	0%	09-Oct-20	11-Dec-20	08-Oct-20	10-Dec-20	289
ASIC460500T	Travel for Prototype Main Board Fabrication	44	0%	09-Oct-20	11-Dec-20	08-Oct-20	10-Dec-20	289
ASIC460500	Prototype Main Board Fabrication	45	0%	09-Oct-20	14-Dec-20	08-Oct-20	11-Dec-20	288
ASIC460510	Prototype ASIC Evaluation/Irradiation Test	43	0%	16-Dec-20	18-Feb-21	14-Dec-20	16-Feb-21	288
ASIC460510M	Material for Prototype ASIC Evaluation/Irradiation Test	43	0%	16-Dec-20	18-Feb-21	14-Dec-20	16-Feb-21	290
ASIC460510T	Travel for Prototype ASIC Evaluation/Irradiation Test	43	0%	16-Dec-20	18-Feb-21	14-Dec-20	16-Feb-21	290
ASIC460515A	AVAIL: Prototype PA/S	0	0%		18-Feb-21		16-Feb-21	290

Primary Baseline | Remaining Work | Milestone
Actual Work | Critical Remaining Work | Summary

Activity ID	Activity Name	Duration	% Complete	BL Start	BL Finish	WS Start	WS Finish	Total Float
ASIC460520	Prototype ASIC Feature Characterization	43	0%	18-Feb-21	20-Apr-21	16-Feb-21	16-Apr-21	320
ASIC460530	Milestone: Completion and Shipping of Prototype PA/S	0	0%		20-Apr-21		16-Apr-21	320
ASIC460537EX	External Milestone: ATLAS FDR for PA/S	0	0%		20-Apr-21		16-Apr-21	320
6.04.05.01.09 LAr FE ASIC Production Design		**262**	**0%**	**15-Jan-21**	**28-Jan-22**	**13-Jan-21**	**26-Jan-22**	**828**
No AP2 Task Group - Temp		**262**	**0%**	**15-Jan-21**	**28-Jan-22**	**13-Jan-21**	**26-Jan-22**	**828**
ASIC460540	Prod ASIC Core and Frame Schematics Design	32	0%	15-Jan-21	03-Mar-21	13-Jan-21	01-Mar-21	288
ASIC460540T	Travel for Prod ASIC Core and Frame Schematics Design	32	0%	15-Jan-21	03-Mar-21	13-Jan-21	01-Mar-21	288
ASIC460550	Prod ASIC Core and Frame Physical Layout Design	34	0%	03-Mar-21	20-Apr-21	01-Mar-21	16-Apr-21	288
ASIC460560	Prod ASIC Core and Frame Post Layout Simulation	32	0%	20-Apr-21	04-Jun-21	16-Apr-21	02-Jun-21	288
ASIC460570T	Travel for Prof ASIC Final Integration	31	0%	04-Jun-21	20-Jul-21	02-Jun-21	16-Jul-21	300
ASIC460570	Prod ASIC Final Integration	33	0%	04-Jun-21	22-Jul-21	02-Jun-21	20-Jul-21	288
ASIC460580	Prod ASIC Submission	22	0%	22-Jul-21	23-Aug-21	20-Jul-21	19-Aug-21	298
ASIC460580M	PMT: Material for Prod ASIC Submission	1	0%	20-Aug-21	23-Aug-21	18-Aug-21	19-Aug-21	298
ASIC460585	Milestones: Prod PA/S Submission	0	0%		23-Aug-21		19-Aug-21	298
ASIC460590	Prod ASIC Fabrication and Preparation for Testing and Preparation for Testing	65	0%	23-Aug-21	24-Nov-21	19-Aug-21	22-Nov-21	298
ASIC460600	Submit Specifications for Prod ASIC Packaging and Preparation for Testing	44	0%	24-Nov-21	28-Jan-22	22-Nov-21	26-Jan-22	298
ASIC460605M	Material for Prod ASIC Packaging and Preparation for Testing	44	0%	24-Nov-21	28-Jan-22	22-Nov-21	26-Jan-22	298
ASIC460608	Milestone: Pre-prod PA/S Packaging Complete	0	0%		28-Jan-22		26-Jan-22	828
6.04.05.01.10 LAr FE ASIC Production Test		**593**	**0%**	**04-Jun-21**	**09-Oct-23**	**02-Jun-21**	**05-Oct-23**	**288**
No AP2 Task Group - Temp		**593**	**0%**	**04-Jun-21**	**09-Oct-23**	**02-Jun-21**	**05-Oct-23**	**288**
ASIC460610	Prod Main Board Schematics Design	43	0%	04-Jun-21	05-Aug-21	02-Jun-21	03-Aug-21	288
ASIC460620	Prod Main Board Layout Design	65	0%	05-Aug-21	08-Nov-21	03-Aug-21	04-Nov-21	288
ASIC460630T	Travel for Prod Main Board Fabrication	65	0%	08-Nov-21	10-Feb-22	04-Nov-21	08-Feb-22	289
ASIC460630	Prod Main Board Fabrication	66	0%	08-Nov-21	11-Feb-22	04-Nov-21	09-Feb-22	288
ASIC460630M	Material for Prod Main Board Fabrication	66	0%	08-Nov-21	11-Feb-22	04-Nov-21	09-Feb-22	288
ASIC460640M	Material for Prod ASIC Evaluation Test Batch 1	41	0%	11-Feb-22	12-Apr-22	09-Feb-22	08-Apr-22	312
ASIC460640T	Travel for Prod ASIC Evaluation Test Batch 1	41	0%	11-Feb-22	12-Apr-22	09-Feb-22	08-Apr-22	312
ASIC460640	Prod ASIC Evaluation Test Batch 1	43	0%	11-Feb-22	14-Apr-22	09-Feb-22	12-Apr-22	288
ASIC460665EX	External Milestone: ATLAS PRR for PA/S	0	0%		14-Apr-22		12-Apr-22	288
ASIC460650	Shipping Batch 1	11	0%	14-Apr-22	29-Apr-22	12-Apr-22	27-Apr-22	310
ASIC460650M	Material for Shipping Batch 1	11	0%	14-Apr-22	29-Apr-22	12-Apr-22	27-Apr-22	310
ASIC460668	WAIT: Delivery of Full Production PA/S	60	0%	14-Apr-22	11-Jul-22	12-Apr-22	07-Jul-22	288

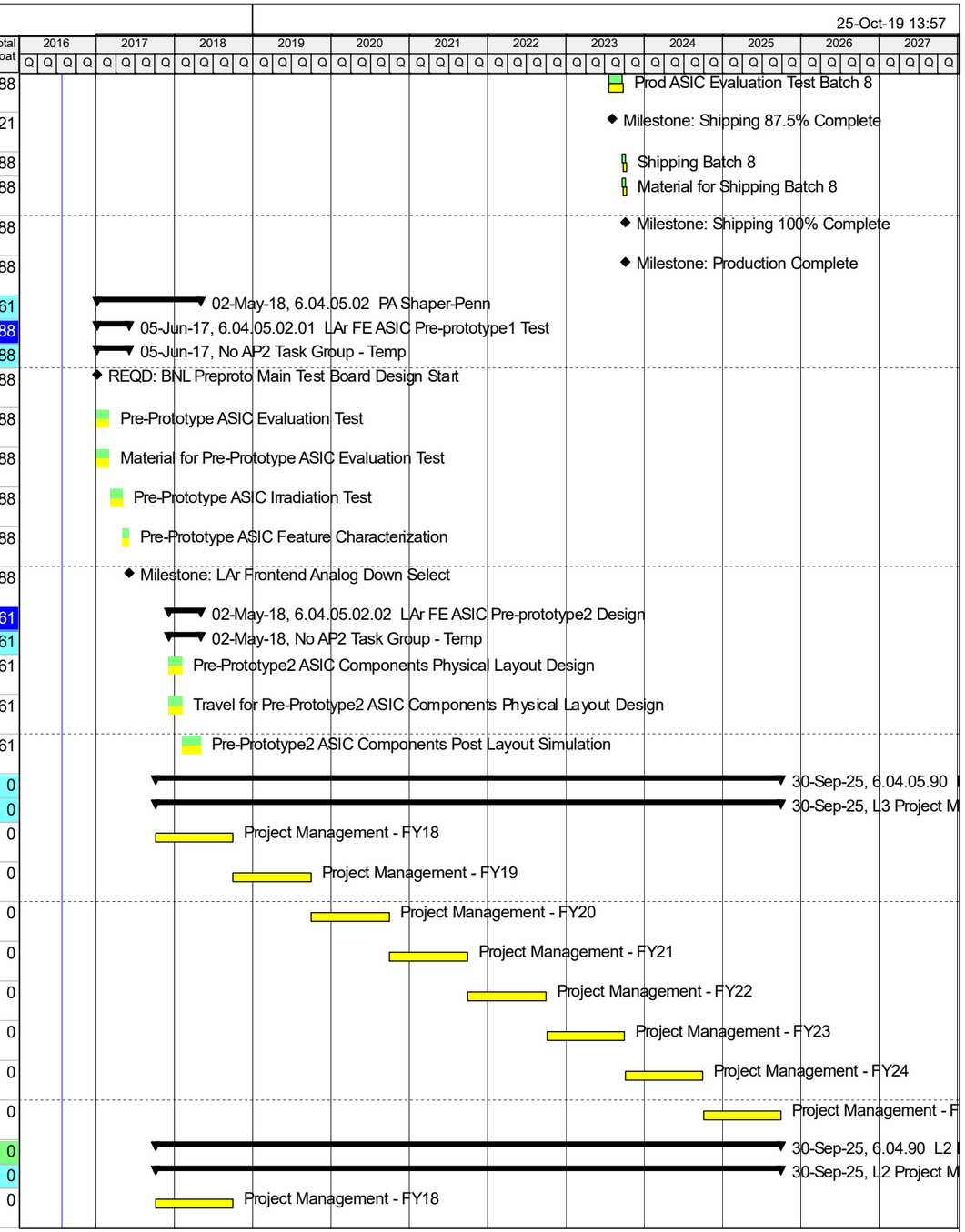
Primary Baseline | Remaining Work | Milestone
Actual Work | Critical Remaining Work | Summary

Activity ID	Activity Name	Duration	% Complete	BL Start	BL Finish	WS Start	WS Finish	Total Float
ASIC460660	Milestone: Shipping 12.5% Complete	0	0%		29-Apr-22		27-Apr-22	310
ASIC460670M	Material for Prod ASIC Evaluation Test Batch 2	43	0%	11-Jul-22	09-Sep-22	07-Jul-22	07-Sep-22	289
ASIC460670	Prod ASIC Evaluation Test Batch 2	44	0%	11-Jul-22	12-Sep-22	07-Jul-22	08-Sep-22	288
ASIC460680	Shipping Batch 2	11	0%	12-Sep-22	27-Sep-22	08-Sep-22	23-Sep-22	288
ASIC460680M	Material for Shipping Batch 2	11	0%	12-Sep-22	27-Sep-22	08-Sep-22	23-Sep-22	320
ASIC460700M	Material for Prod ASIC Evaluation Test Batch 3	42	0%	12-Sep-22	10-Nov-22	08-Sep-22	08-Nov-22	289
ASIC460700	Prod ASIC Evaluation Test Batch 3	43	0%	12-Sep-22	11-Nov-22	08-Sep-22	09-Nov-22	288
ASIC460685	Milestone: Shipping 25% Complete	0	0%		27-Sep-22		23-Sep-22	320
ASIC460710M	Material for Shipping Batch 3	10	0%	11-Nov-22	28-Nov-22	09-Nov-22	23-Nov-22	288
ASIC460710	Shipping Batch 3	11	0%	11-Nov-22	29-Nov-22	09-Nov-22	25-Nov-22	288
ASIC460730M	Material for Prod ASIC Evaluation Test Batch 4	40	0%	11-Nov-22	11-Jan-23	09-Nov-22	09-Jan-23	291
ASIC460730	Prod ASIC Evaluation Test Batch 4	43	0%	11-Nov-22	16-Jan-23	09-Nov-22	12-Jan-23	288
ASIC460720	Milestone: Shipping 37.5% Complete	0	0%		29-Nov-22		25-Nov-22	320
ASIC460740	Shipping Batch 4	11	0%	16-Jan-23	31-Jan-23	12-Jan-23	27-Jan-23	288
ASIC460740M	Material for Shipping Batch 4	11	0%	16-Jan-23	31-Jan-23	12-Jan-23	27-Jan-23	320
ASIC460760M	Material for Prod ASIC Evaluation Test Batch 5	42	0%	16-Jan-23	16-Mar-23	12-Jan-23	14-Mar-23	289
ASIC460760T	Travel for Prod ASIC Evaluation Test Batch 5	42	0%	16-Jan-23	16-Mar-23	12-Jan-23	14-Mar-23	289
ASIC460760	Prod ASIC Evaluation Test Batch 5	43	0%	16-Jan-23	17-Mar-23	12-Jan-23	15-Mar-23	288
ASIC460750	Milestone: Shipping 50% Complete	0	0%		31-Jan-23		27-Jan-23	320
ASIC460770	Shipping Batch 5	11	0%	17-Mar-23	03-Apr-23	15-Mar-23	30-Mar-23	288
ASIC460770M	Material for Shipping Batch 5	11	0%	17-Mar-23	03-Apr-23	15-Mar-23	30-Mar-23	288
ASIC460790	Prod ASIC Evaluation Test Batch 6	45	0%	17-Mar-23	19-May-23	15-Mar-23	17-May-23	288
ASIC460790M	Material for Prod ASIC Evaluation Test Batch 6	45	0%	17-Mar-23	19-May-23	15-Mar-23	17-May-23	288
ASIC460780	Milestone: Shipping 62.5% Complete	0	0%		03-Apr-23		30-Mar-23	322
ASIC460800M	Material for Shipping Batch 6	9	0%	19-May-23	02-Jun-23	17-May-23	31-May-23	313
ASIC460800	Shipping Batch 6	10	0%	19-May-23	05-Jun-23	17-May-23	01-Jun-23	288
ASIC460820M	Material for Prod ASIC Evaluation Test Batch 7	41	0%	19-May-23	19-Jul-23	17-May-23	17-Jul-23	290
ASIC460820	Prod ASIC Evaluation Test Batch 7	43	0%	19-May-23	21-Jul-23	17-May-23	19-Jul-23	288
ASIC460805	Milestone: Shipping 75% Complete	0	0%		05-Jun-23		01-Jun-23	312
ASIC460830	Shipping Batch 7	11	0%	21-Jul-23	07-Aug-23	19-Jul-23	03-Aug-23	288
ASIC460830M	Material for Shipping Batch 7	11	0%	21-Jul-23	07-Aug-23	19-Jul-23	03-Aug-23	288
ASIC460850M	Material for Prod ASIC Evaluation Test Batch 8	43	0%	21-Jul-23	21-Sep-23	19-Jul-23	19-Sep-23	289



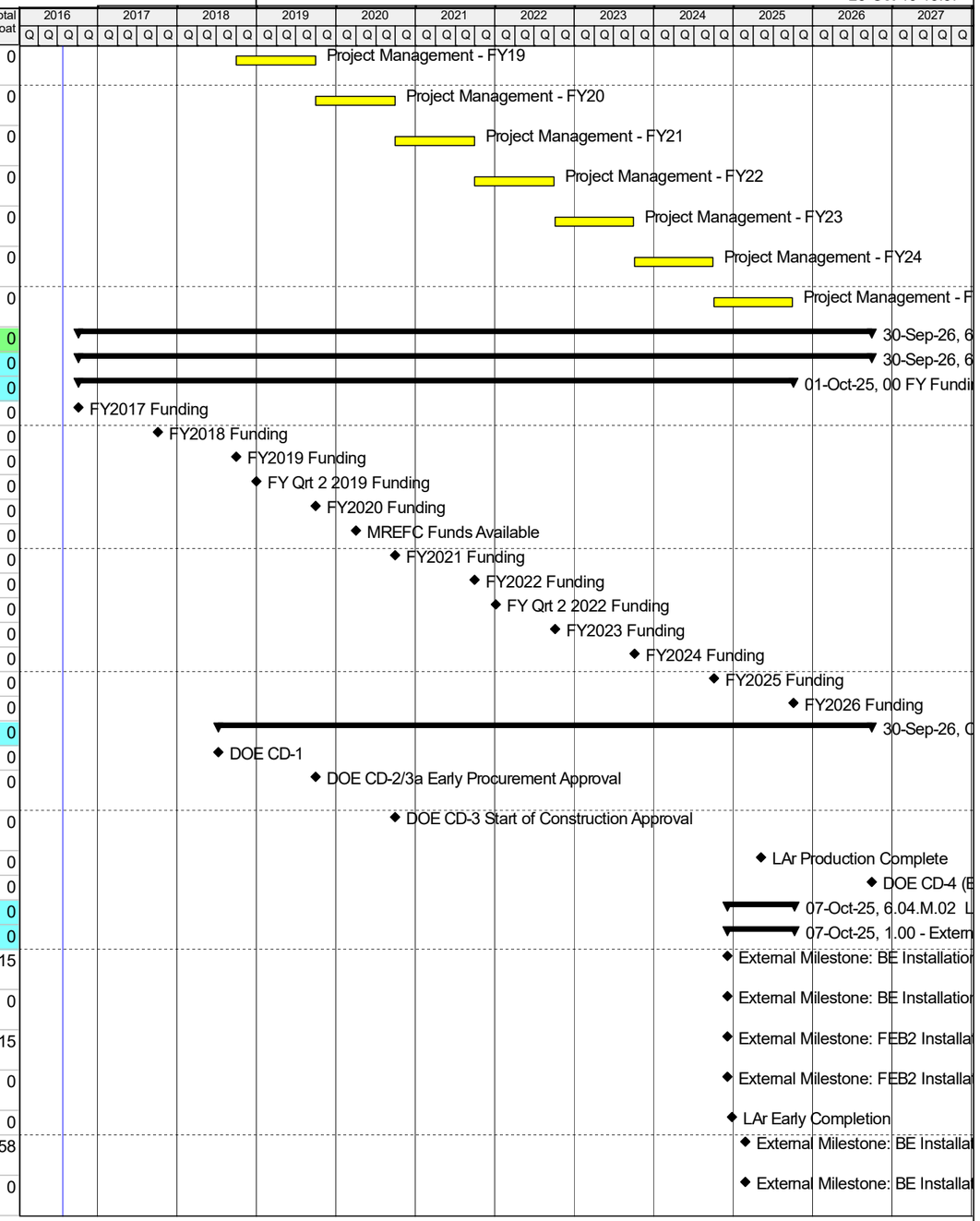
Primary Baseline | Remaining Work | Milestone
Actual Work | Critical Remaining Work | Summary

Activity ID	Activity Name	Duration	% Complete	BL Start	BL Finish	WS Start	WS Finish	Total Float
ASIC460850	Prod ASIC Evaluation Test Batch 8	44	0%	21-Jul-23	22-Sep-23	19-Jul-23	20-Sep-23	288
ASIC460840	Milestone: Shipping 87.5% Complete	0	0%		07-Aug-23		03-Aug-23	321
ASIC460860	Shipping Batch 8	11	0%	22-Sep-23	09-Oct-23	20-Sep-23	05-Oct-23	288
ASIC460860M	Material for Shipping Batch 8	11	0%	22-Sep-23	09-Oct-23	20-Sep-23	05-Oct-23	288
ASIC460865	Milestone: Shipping 100% Complete	0	0%		09-Oct-23		05-Oct-23	288
ASIC460870	Milestone: Production Complete	0	0%		09-Oct-23		05-Oct-23	288
6.04.05.02 PA Shaper-Penn		338	0%	03-Jan-17	02-May-18	03-Jan-17	02-May-18	61
6.04.05.02.01 LAr FE ASIC Pre-prototype1 Test		108	0%	03-Jan-17	05-Jun-17	03-Jan-17	05-Jun-17	188
No AP2 Task Group - Temp		108	0%	03-Jan-17	05-Jun-17	03-Jan-17	05-Jun-17	188
ASIC470008R	REQD: BNL Preproto Main Test Board Design Start	0	0%	03-Jan-17		03-Jan-17		188
ASIC470030	Pre-Prototype ASIC Evaluation Test	43	0%	03-Jan-17	03-Mar-17	03-Jan-17	03-Mar-17	188
ASIC470030M	Material for Pre-Prototype ASIC Evaluation Test	43	0%	03-Jan-17	03-Mar-17	03-Jan-17	03-Mar-17	188
ASIC470040	Pre-Prototype ASIC Irradiation Test	43	0%	06-Mar-17	03-May-17	06-Mar-17	03-May-17	188
ASIC470050	Pre-Prototype ASIC Feature Characterization	22	0%	04-May-17	05-Jun-17	04-May-17	05-Jun-17	188
ASIC470060	Milestone: LAr Frontend Analog Down Select	0	0%		05-Jun-17		05-Jun-17	188
6.04.05.02.02 LAr FE ASIC Pre-prototype2 Design		103	0%	06-Dec-17	02-May-18	06-Dec-17	02-May-18	61
No AP2 Task Group - Temp		103	0%	06-Dec-17	02-May-18	06-Dec-17	02-May-18	61
ASIC470080	Pre-Prototype2 ASIC Components Physical Layout Design	43	0%	06-Dec-17	06-Feb-18	06-Dec-17	06-Feb-18	61
ASIC470080T	Travel for Pre-Prototype2 ASIC Components Physical Layout Design	43	0%	06-Dec-17	02-Feb-18	06-Dec-17	06-Feb-18	61
ASIC470090	Pre-Prototype2 ASIC Components Post Layout Simulation	60	0%	07-Feb-18	02-May-18	07-Feb-18	02-May-18	61
6.04.05.90 L3 Project Management		2023	0%	02-Oct-17	30-Sep-25	02-Oct-17	30-Sep-25	0
L3 Project Management		2023	0%	02-Oct-17	30-Sep-25	02-Oct-17	30-Sep-25	0
MGT43410	Project Management - FY18	252	0%	02-Oct-17	28-Sep-18	02-Oct-17	28-Sep-18	0
MGT43420	Project Management - FY19	253	0%	01-Oct-18	30-Sep-19	01-Oct-18	30-Sep-19	0
MGT43430	Project Management - FY20	254	0%	01-Oct-19	30-Sep-20	01-Oct-19	30-Sep-20	0
MGT43440	Project Management - FY21	253	0%	01-Oct-20	30-Sep-21	01-Oct-20	30-Sep-21	0
MGT43450	Project Management - FY22	253	0%	01-Oct-21	30-Sep-22	01-Oct-21	30-Sep-22	0
MGT43460	Project Management - FY23	252	0%	03-Oct-22	29-Sep-23	03-Oct-22	29-Sep-23	0
MGT43470	Project Management - FY24	253	0%	02-Oct-23	30-Sep-24	02-Oct-23	30-Sep-24	0
MGT43480	Project Management - FY25	253	0%	01-Oct-24	30-Sep-25	01-Oct-24	30-Sep-25	0
6.04.90 L2 Project Management		2023	0%	02-Oct-17	30-Sep-25	02-Oct-17	30-Sep-25	0
L2 Project Management		2023	0%	02-Oct-17	30-Sep-25	02-Oct-17	30-Sep-25	0
MGT41010	Project Management - FY18	252	0%	02-Oct-17	28-Sep-18	02-Oct-17	28-Sep-18	0



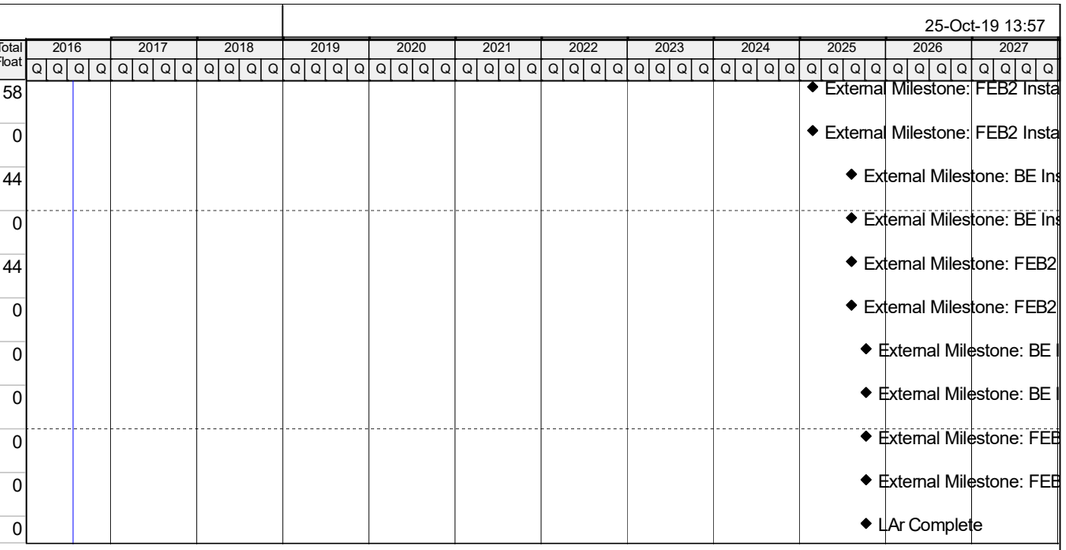
Primary Baseline | Remaining Work | Milestone
Actual Work | Critical Remaining Work | Summary

Activity ID	Activity Name	Duration	% Complete	BL Start	BL Finish	WS Start	WS Finish	Total Float
MGT41020	Project Management - FY19	253	0%	01-Oct-18	30-Sep-19	01-Oct-18	30-Sep-19	0
MGT41030	Project Management - FY20	254	0%	01-Oct-19	30-Sep-20	01-Oct-19	30-Sep-20	0
MGT41040	Project Management - FY21	253	0%	01-Oct-20	30-Sep-21	01-Oct-20	30-Sep-21	0
MGT41050	Project Management - FY22	253	0%	01-Oct-21	30-Sep-22	01-Oct-21	30-Sep-22	0
MGT41060	Project Management - FY23	252	0%	03-Oct-22	29-Sep-23	03-Oct-22	29-Sep-23	0
MGT41070	Project Management - FY24	253	0%	02-Oct-23	30-Sep-24	02-Oct-23	30-Sep-24	0
MGT41080	Project Management - FY25	253	0%	01-Oct-24	30-Sep-25	01-Oct-24	30-Sep-25	0
6.04.M Phase 2 Milestones		2527	0%	03-Oct-16	30-Sep-26	03-Oct-16	30-Sep-26	0
6.04.M.01 Funding Milestones		2527	0%	03-Oct-16	30-Sep-26	03-Oct-16	30-Sep-26	0
00 FY Funding		2275	0%	03-Oct-16	01-Oct-25	03-Oct-16	01-Oct-25	0
FY2017	FY2017 Funding	0	0%	03-Oct-16		03-Oct-16*		0
FY2018	FY2018 Funding	0	0%	02-Oct-17		02-Oct-17*		0
FY2019	FY2019 Funding	0	0%	01-Oct-18		01-Oct-18*		0
FY2019Q2	FY Qrt 2 2019 Funding	0	0%	02-Jan-19		02-Jan-19*		0
FY2020	FY2020 Funding	0	0%	01-Oct-19		01-Oct-19*		0
MREFC	MREFC Funds Available	0	0%	01-Apr-20		01-Apr-20*		0
FY2021	FY2021 Funding	0	0%	01-Oct-20		01-Oct-20*		0
FY2022	FY2022 Funding	0	0%	01-Oct-21		01-Oct-21*		0
FY2022Q2	FY Qrt 2 2022 Funding	0	0%	04-Jan-22		04-Jan-22*		0
FY2023	FY2023 Funding	0	0%	03-Oct-22		03-Oct-22*		0
FY2024	FY2024 Funding	0	0%	02-Oct-23		02-Oct-23*		0
FY2025	FY2025 Funding	0	0%	01-Oct-24		01-Oct-24*		0
FY2026	FY2026 Funding	0	0%	01-Oct-25		01-Oct-25*		0
CD Milestones		2082	0%	09-Jul-18	30-Sep-26	09-Jul-18	30-Sep-26	0
CD4000	DOE CD-1	0	0%	09-Jul-18		09-Jul-18*		0
CD4010	DOE CD-2/3a Early Procurement Approval	0	0%	30-Sep-19		30-Sep-19*		0
CD4015	DOE CD-3 Start of Construction Approval	0	0%	30-Jun-20		30-Sep-20*		0
CD4020	LAr Production Complete	0	0%	05-May-25		05-May-25*		0
CD4030	DOE CD-4 (Early Finish)	0	0%		30-Sep-26		30-Sep-26*	0
6.04.M.02 Level 1 Milestones		215	0%	02-Dec-24	23-Dec-25	02-Dec-24	07-Oct-25	0
1.00 - External Milestones		215	0%	02-Dec-24	23-Dec-25	02-Dec-24	07-Oct-25	0
BEE440865EX	External Milestone: BE Installation - Endcap A	0	0%		02-Dec-24		02-Dec-24	215
BEE440865EX10	External Milestone: BE Installation - Endcap A	0	0%	02-Dec-24		02-Dec-24*		0
FEB21725EX	External Milestone: FEB2 Installation - Endcap A	0	0%		02-Dec-24		02-Dec-24	215
FEB21725EX10	External Milestone: FEB2 Installation - Endcap A	0	0%	02-Dec-24		02-Dec-24*		0
XCD4001	LAr Early Completion	0	0%		19-Dec-24		26-Dec-24*	0
BEE440868EX	External Milestone: BE Installation - Endcap C	0	0%		24-Feb-25		24-Feb-25	158
BEE440868EX10	External Milestone: BE Installation - Endcap C	0	0%	24-Feb-25		24-Feb-25*		0



Primary Baseline | Remaining Work | Milestone
Actual Work | Critical Remaining Work | Summary

Activity ID	Activity Name	Duration	% Complete	BL Start	BL Finish	WS Start	WS Finish	Total Float
FEB21735EX	External Milestone: FEB2 Installation - Endcap C	0	0%		24-Feb-25		24-Feb-25	158
FEB21735EX10	External Milestone: FEB2 Installation - Endcap C	0	0%	24-Feb-25		24-Feb-25*		0
BEE440915EX	External Milestone: BE Installation - Barrel C	0	0%		05-Aug-25		05-Aug-25	44
BEE440915EX10	External Milestone: BE Installation - Barrel C	0	0%	05-Aug-25		05-Aug-25*		0
FEB21755EX	External Milestone: FEB2 Installation - Barrel C	0	0%		05-Aug-25		05-Aug-25	44
FEB21755EX10	External Milestone: FEB2 Installation - Barrel C	0	0%	05-Aug-25		05-Aug-25*		0
BEE450840EX	External Milestone: BE Installation - Barrel A	0	0%		07-Oct-25		07-Oct-25	0
BEE450840EX10	External Milestone: BE Installation - Barrel A	0	0%	07-Oct-25		07-Oct-25*		0
FEB21765EX	External Milestone: FEB2 Installation - Barrel A	0	0%		07-Oct-25		07-Oct-25	0
FEB21765EX10	External Milestone: FEB2 Installation - Barrel A	0	0%	07-Oct-25		07-Oct-25*		0
XCD4004	LAr Complete	0	0%		23-Dec-25		07-Oct-25*	0



Primary Baseline
Actual Work
Remaining Work
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Milestone
Summary