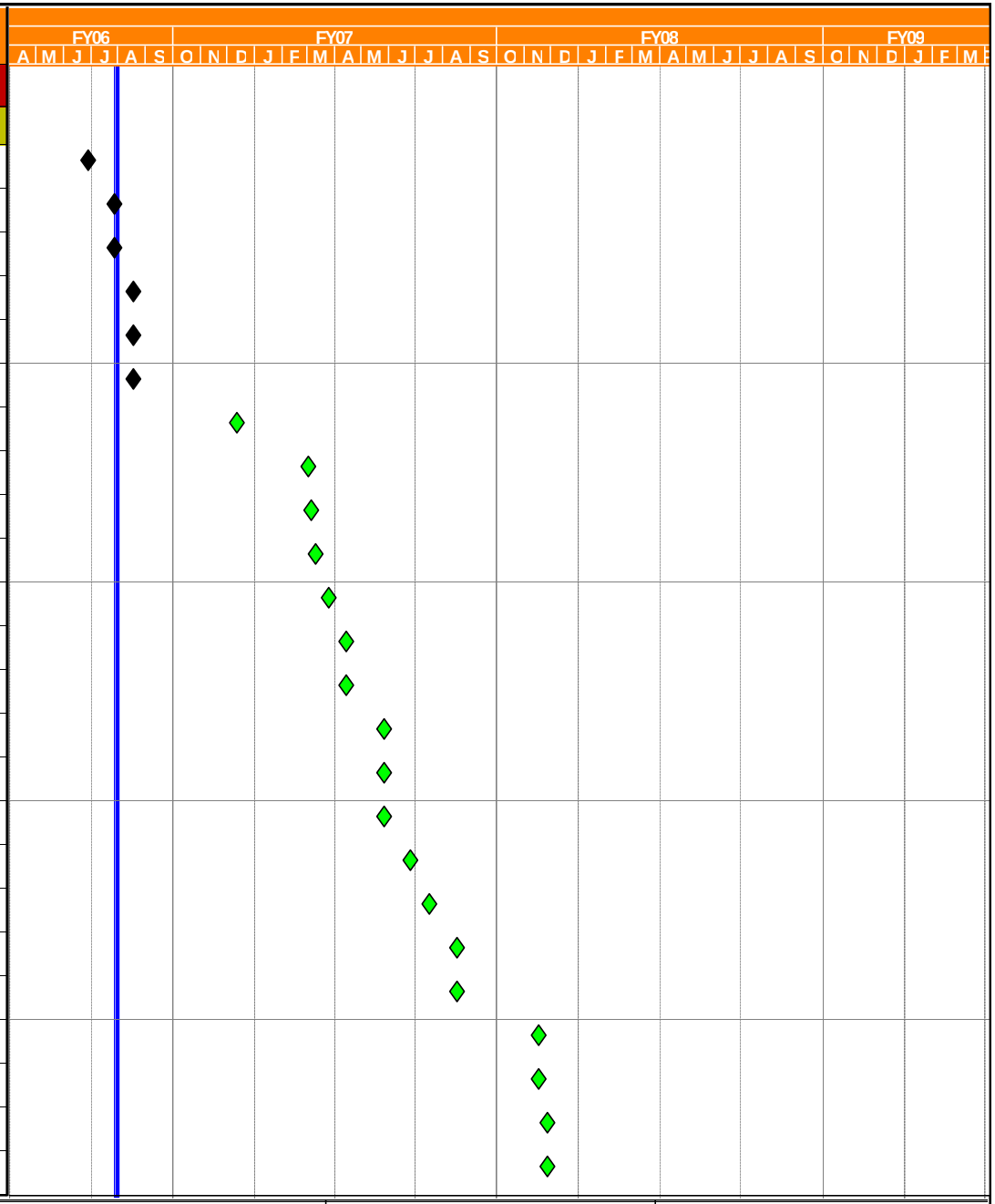
1 LCLS PROJECT - PED & CONSTRUCTION

1.03 LINAC SYSTEM

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish
LNMS-0230	Linac BCR39 ETC Start	0		07/01/06A
LNMS-0010	System Component Subcontracts Awarded - L01	0		07/31/06A
LNMS-0030	System Component Subcontracts Awarded - BC1	0		07/31/06A
LNMS-0020	Ready to Begin Component Installation - L01	0	08/21/06A	
LNMS-0025	Component Installation Completed - L01	0	08/21/06A	
LNMS-0040	Ready to Begin Component Installation - BC1	0	08/21/06A	
LNMS-0050	Component Installation Completed - BC1	0		12/15/06
LNMS-0100	System Design Reviews Complete - BC2	0		03/06/07
LNMS-0130	System Design Reviews Complete - L03	0		03/09/07
LNMS-0140	System Component Subcontracts Awarded - L03	0		03/13/07
LNMS-0110	System Component Subcontracts Awarded - BC2	0		03/28/07
LNMS-0060	System Design Reviews Complete - L02	0		04/17/07
LNMS-0070	System Component Subcontracts Awarded - L02	0		04/17/07
LNMS-0170	System Design Reviews Complete - LTU	0		05/30/07
LNMS-0200	System Design Reviews Complete - E-Dump	0		05/30/07
LNMS-0210	System Component Subcontracts Awarded - E-Dump	0		05/30/07
LNMS-0180	System Component Subcontracts Awarded - LTU	0		06/28/07
LNMS-0080	Ready to Begin Component Installation - L02	0	07/20/07	
LNMS-0120	Ready to Begin Component Installation - BC2	0	08/20/07	
LNMS-0150	Ready to Begin Component Installation - L03	0	08/20/07	
LNMS-0220	Ready to Begin Component Installation - E-Dump	0	11/20/07	
LNMS-0190	Ready to Begin Component Installation - LTU	0	11/21/07	
LNMS-0090	Component Installation Completed - L02	0		11/29/07
LNMS-0125	Component Installation Completed - BC2	0		11/29/07



Start Date	06/01/01
Finish Date	04/01/09
Data Date	08/01/06
Run Date	10/19/06 09:44

Early Bar

Progress Bar

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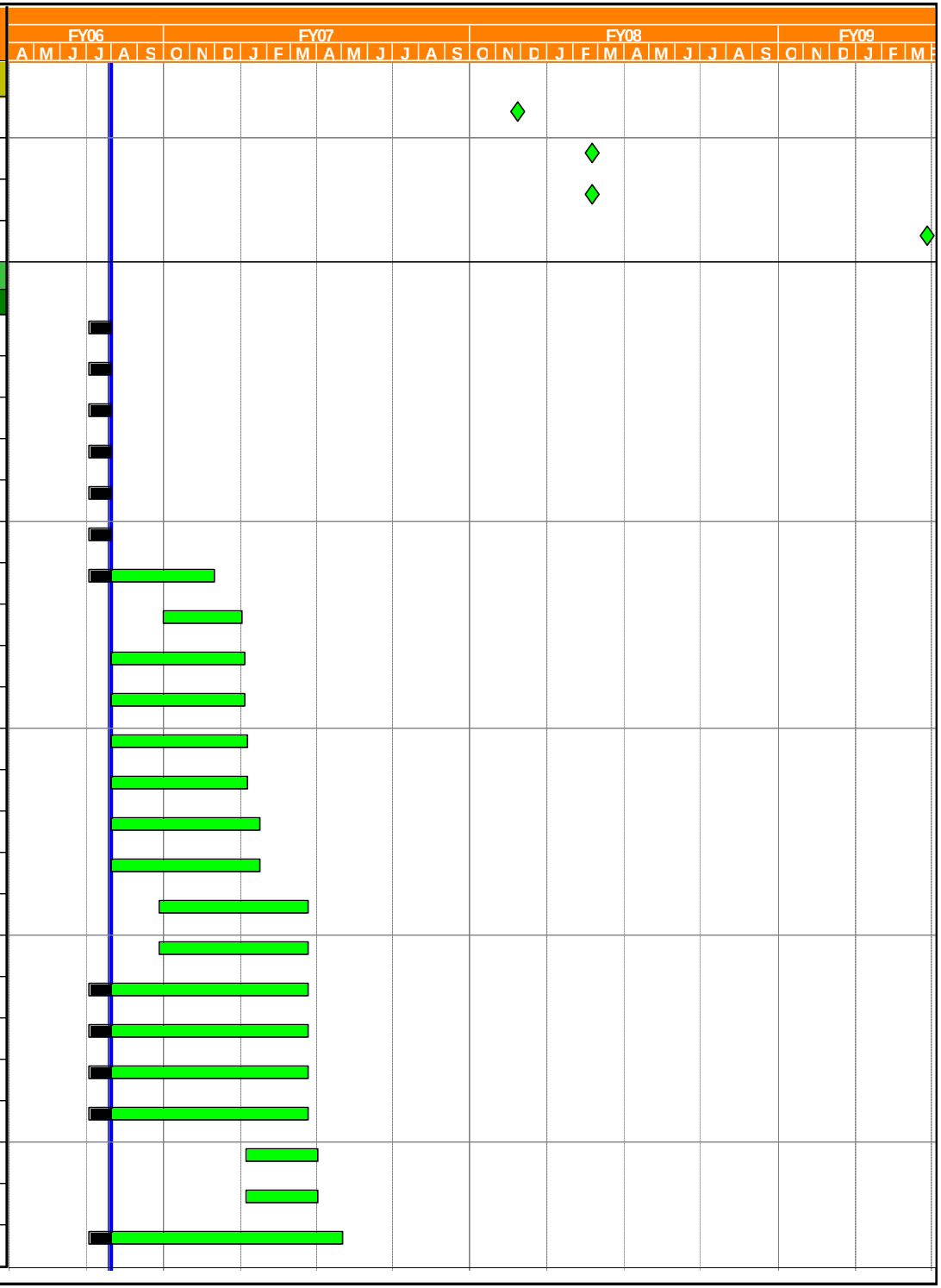
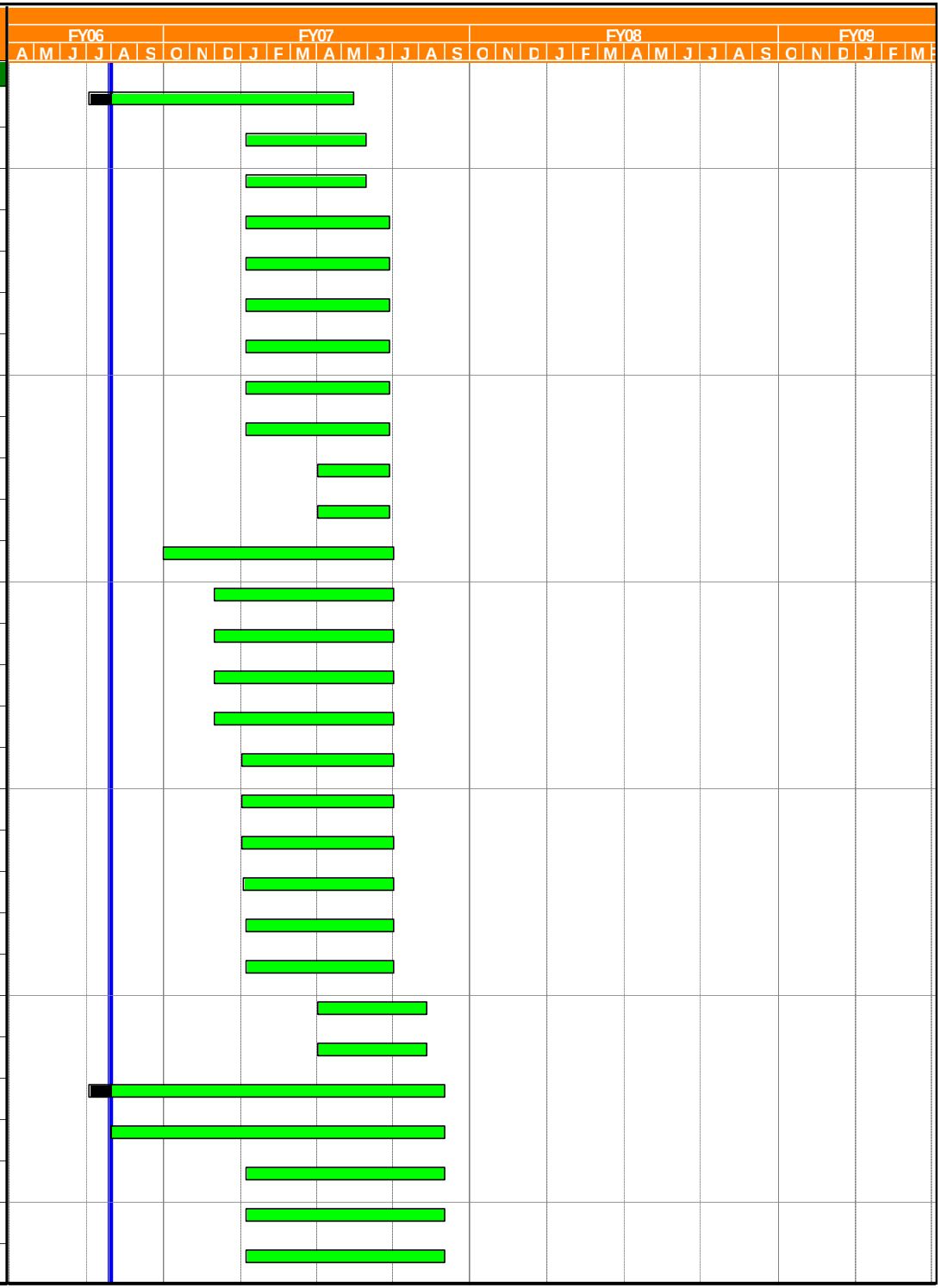
LCLS PROJECT
Integrated Master Schedule
LINAC System
Detailed Schedule Level 4

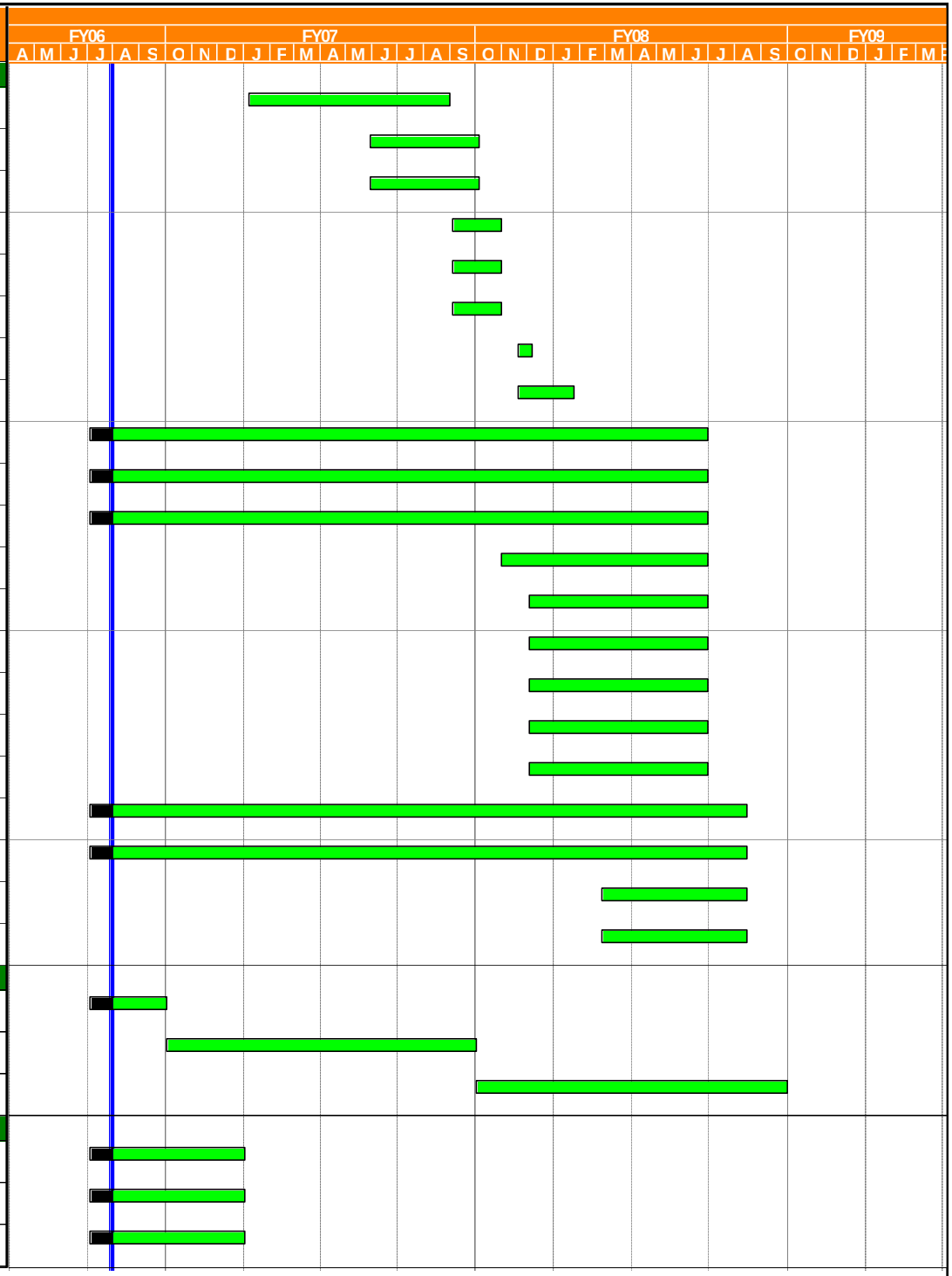
Activity ID	Activity Description	Orig Dur	Early Start	Early Finish
1.03 LINAC SYSTEM				
LNMS-0160	Component Installation Completed - L03	0		11/29/07
LNMS-0195	Component Installation Completed - LTU	0		02/26/08
LNMS-0225	Component Installation Completed - E-Dump	0		02/26/08
LNMS-0240	Linac LOE Complete	0		03/30/09
1.03.01 System Management & Integration				
1.03.01.01 Linac Mechanical Integration				
LN101-2030	BC1 Top Assembly	19*	07/05/06A	07/31/06A
LN101-2040	BC1 Bunch Length Monitor Integration	19*	07/05/06A	07/31/06A
LN101-2050	BC1 Procurement Support	19*	07/05/06A	07/31/06A
LN101-2060	BC1 Fabrication Oversight	19*	07/05/06A	07/31/06A
LN101-6160	LTU Layout & CF Interface	20	07/05/06A	07/31/06A
LN101-7160	E-Dump Layout & CF Interface	20	07/05/06A	07/31/06A
LN101-5070	L3 Top Assembly	104*	07/05/06A	11/30/06
LN101-4020	BC2 Emittance Section Layout	63*	10/02/06*	01/02/07
LN101-1010	L01 Installation Oversight	109*	08/01/06A	01/05/07
LN101-2070	BC1 Installation Oversight	109*	08/01/06A	01/05/07
LN101-6010	LTU Top Assembly	110*	08/01/06A	01/08/07
LN101-7010	E-Dump Top Assembly	110*	08/01/06A	01/08/07
LN101-7100	E-Dump Water System Design Support	120	08/01/06	01/23/07
LN101-7110	E-Dump Vibration Engineering	120	08/01/06	01/23/07
LN101-6100	LTU Water System Design Support	120	09/27/06	03/21/07
LN101-6110	LTU Vibration Engineering	120	09/27/06	03/21/07
LN101-6120	LTU CF Interface	180*	07/05/06A	03/22/07
LN101-6130	LTU Undulator Interface	180*	07/05/06A	03/22/07
LN101-7120	E-Dump CF Interface	180*	07/05/06A	03/22/07
LN101-7130	E-Dump Undulator Interface	180*	07/05/06A	03/22/07
LN101-6140	LTU Spot Shielding Design	60	01/08/07	04/03/07
LN101-7140	E-Dump Spot Shielding Design	60	01/08/07	04/03/07
LN101-4100	BC2 Top Assembly	208*	07/05/06A	05/01/07



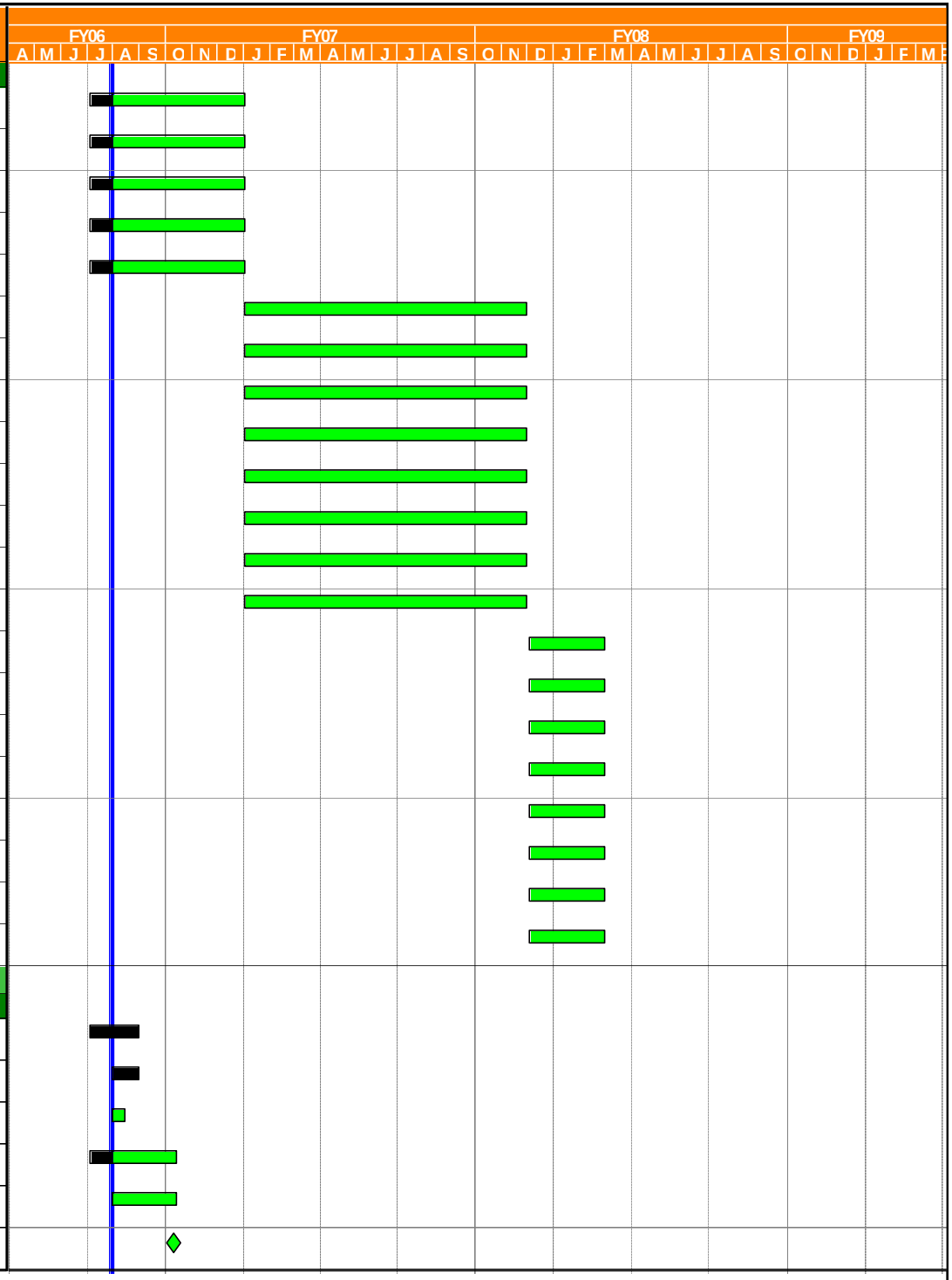
Activity ID	Activity Description	Orig Dur	Early Start	Early Finish
1.03.01.01 Linac Mechanical Integration				
LN101-3070	L2 Top Assembly	218*	07/05/06A	05/15/07
LN101-6020	LTU Pedestal and Raft Design	100	01/08/07	05/30/07
LN101-7020	E-Dump Pedestal and Raft Design	100	01/08/07	05/30/07
LN101-6050	LTU Procurement Support	120	01/08/07	06/27/07
LN101-6060	LTU Fabrication Oversight	120	01/08/07	06/27/07
LN101-6070	LTU Installation Coordination Planning	120	01/08/07	06/27/07
LN101-7050	E-Dump Procurement Support	120	01/08/07	06/27/07
LN101-7060	E-Dump Fabrication Oversight	120	01/08/07	06/27/07
LN101-7070	E-Dump Installation Coordination Planning	120	01/08/07	06/27/07
LN101-6150	LTU Installation Drawings	60	04/04/07	06/27/07
LN101-7150	E-Dump Installation Drawings	60	04/04/07	06/27/07
LN101-4010	BC2 Bunch Length Monitor Integration	189*	10/02/06*	07/02/07
LN101-3010	L2 Procurement Support	147*	12/01/06*	07/02/07
LN101-3020	L2 Fabrication Oversight	147*	12/01/06*	07/02/07
LN101-5010	L3 Procurement Support	147*	12/01/06*	07/02/07
LN101-5020	L3 Fabrication Oversight	147*	12/01/06*	07/02/07
LN101-4030	BC2 Emittance Section Design	126*	01/03/07	07/02/07
LN101-4040	BC2 Procurement Support	126*	01/03/07	07/02/07
LN101-4050	BC2 Fabrication Oversight	126*	01/03/07	07/02/07
LN101-4060	BC2 Installation Coordination Planning	124*	01/05/07*	07/02/07
LN101-3030	L2 Installation Coordination Planning	123*	01/08/07*	07/02/07
LN101-5030	L3 Installation Coordination Planning	123*	01/08/07*	07/02/07
LN101-6030	LTU Beamline Shielding Fabrication	90	04/04/07	08/09/07
LN101-7030	E-Dump Beamline Shielding Fabrication	90	04/04/07	08/09/07
LN101-2000	BC1 SYSTEM SUMMARY	285	07/05/06A	08/31/07
LN101-1000	L01 SYSTEM SUMMARY	266	08/01/06A	08/31/07
LN101-1020	L01 Documentation	166*	01/08/07*	08/31/07
LN101-1030	L01 System Construction Support to Component	166*	01/08/07*	08/31/07
LN101-2010	BC1 Documentation	166*	01/08/07*	08/31/07



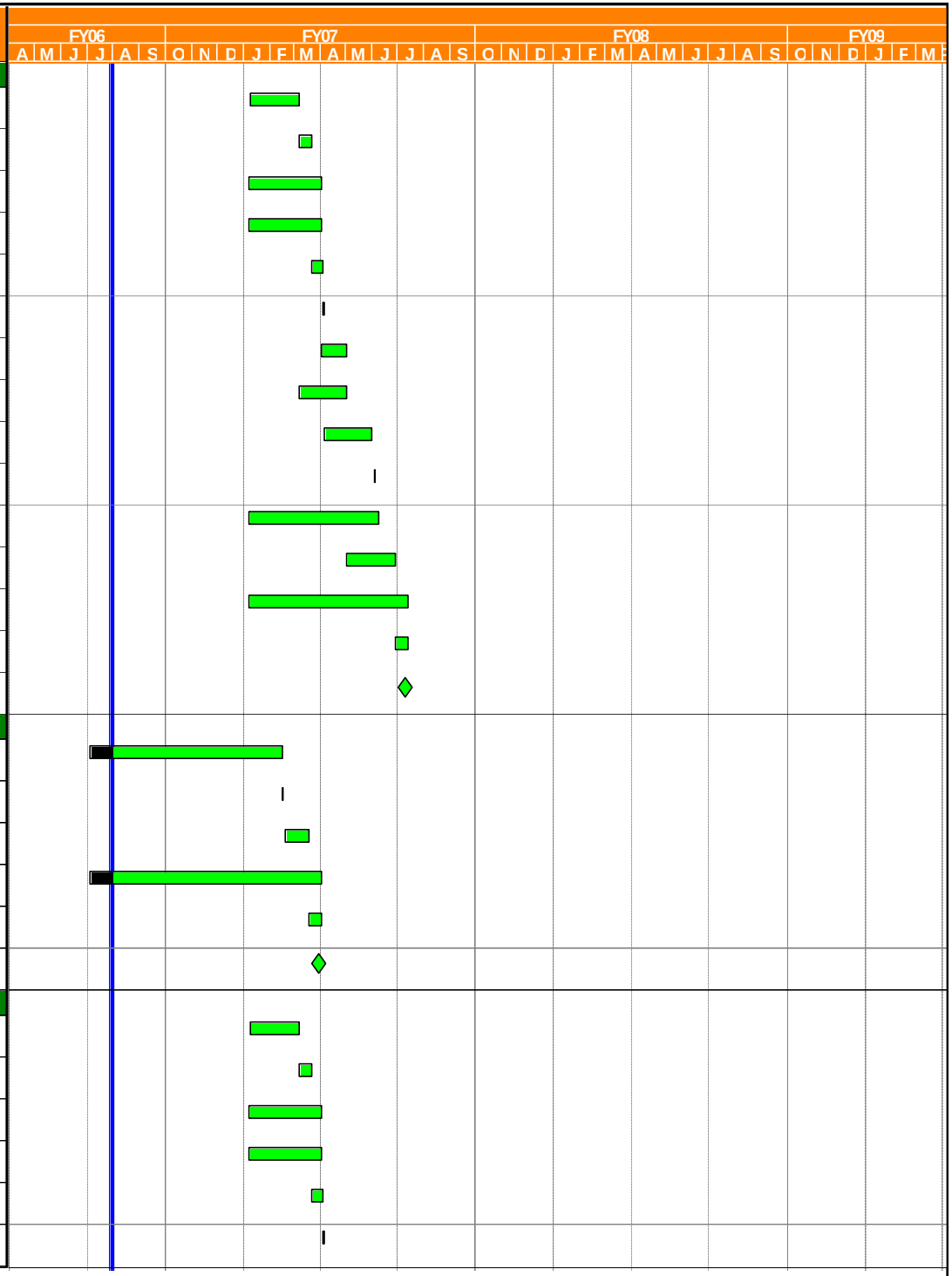
Activity ID	Activity Description	Orig Dur	Early Start	Early Finish
1.03.01.01 Linac Mechanical Integration				
LN101-2020	BC1 System Construction Support to Component	166*	01/08/07*	08/31/07
LN101-6040	LTU Pedestal and Raft Fabrication	90	05/31/07	10/05/07
LN101-7040	E-Dump Pedestal and Raft Fabrication	90	05/31/07	10/05/07
LN101-3040	L2 Installation Oversight	42*	09/04/07*	10/31/07
LN101-4070	BC2 Installation Oversight	42*	09/04/07*	10/31/07
LN101-5040	L3 Installation Oversight	42*	09/04/07*	10/31/07
LN101-7080	E-Dump Installation Oversight	10	11/20/07	12/05/07
LN101-6080	LTU Installation Oversight	40	11/21/07	01/24/08
LN101-3000	L02 SYSTEM SUMMARY	483	07/05/06A	06/30/08
LN101-4000	BC2 SYSTEM SUMMARY	483	07/05/06A	06/30/08
LN101-5000	L03 SYSTEM SUMMARY	483	07/05/06A	06/30/08
LN101-3060	L2 System Construction Support to Components	164*	11/01/07*	06/30/08
LN101-3050	L2 Documentation	144*	12/03/07*	06/30/08
LN101-4080	BC2 Documentation	144*	12/03/07*	06/30/08
LN101-4090	BC2 System Construction Support to Component	144*	12/03/07*	06/30/08
LN101-5050	L3 Documentation	144*	12/03/07*	06/30/08
LN101-5060	L3 System Construction Support to Components	144*	12/03/07*	06/30/08
LN101-6000	LTU SYSTEM SUMMARY	515	07/05/06A	08/14/08
LN101-7000	E-DUMP SYSTEM SUMMARY	515	07/05/06A	08/14/08
LN101-6090	LTU Documentation	120	02/27/08	08/14/08
LN101-7090	E-Dump Documentation	120	02/27/08	08/14/08
1.03.01.03 Travel				
LN103-0000	FY06 Travel	63*	07/05/06A	10/02/06
LN103-0010	FY07 Travel	251*	10/03/06	10/01/07
LN103-0020	FY08 Travel	250*	10/02/07	09/30/08
1.03.01.04 Linac Management				
LN104-0000	Computers - CONST	125*	07/05/06A	01/02/07
LN104-0010	Material & Supplies - CONST	125*	07/05/06A	01/02/07
LN104-0020	Injector System Area Management	125*	07/05/06A	01/02/07



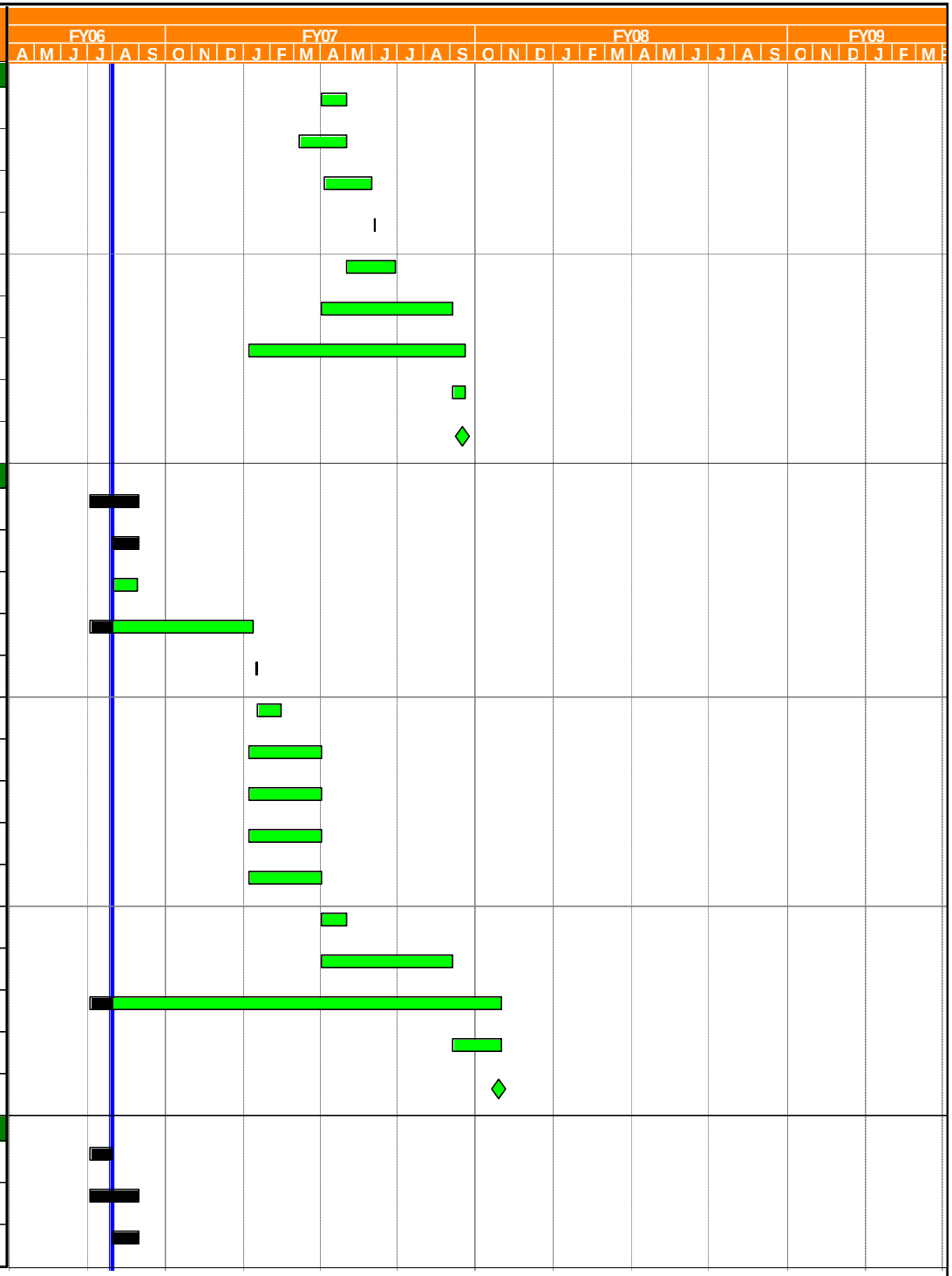
Activity ID	Activity Description	Orig Dur	Early Start	Early Finish
1.03.01.04 Linac Management				
LN104-0030	Injector System Tooling & Coordination	125*	07/05/06A	01/02/07
LN104-0040	Injector System Safety Coordination	125*	07/05/06A	01/02/07
LN104-0050	Linac System Management Effort - CONST	125*	07/05/06A	01/02/07
LN104-0060	Cost Account Managers - CONST	125*	07/05/06A	01/02/07
LN104-0070	Fabrication Coordination	125*	07/05/06A	01/02/07
LN104-1000	Computers - CONST 70%	231*	01/03/07	11/30/07
LN104-1010	Material & Supplies - CONST 70%	231*	01/03/07	11/30/07
LN104-1020	Injector System Area Management 70%	231*	01/03/07	11/30/07
LN104-1030	Injector System Tooling & Coordination 70%	231*	01/03/07	11/30/07
LN104-1040	Injector System Safety Coordination 70%	231*	01/03/07	11/30/07
LN104-1050	Linac System Management Effort - CONST 70%	231*	01/03/07	11/30/07
LN104-1060	Cost Account Managers - CONST 70%	231*	01/03/07	11/30/07
LN104-1070	Fabrication Coordination 70%	231*	01/03/07	11/30/07
LN104-2000	Computers - CONST 50%	59*	12/03/07	02/29/08
LN104-2010	Material & Supplies - CONST 50%	59*	12/03/07	02/29/08
LN104-2020	Injector System Area Management 50%	59*	12/03/07	02/29/08
LN104-2030	Injector System Tooling & Coordination 50%	59*	12/03/07	02/29/08
LN104-2040	Injector System Safety Coordination 50%	59*	12/03/07	02/29/08
LN104-2050	Linac System Management Effort - CONST 50%	59*	12/03/07	02/29/08
LN104-2060	Cost Account Managers - CONST 50%	59*	12/03/07	02/29/08
LN104-2070	Fabrication Coordination 50%	59*	12/03/07	02/29/08
1.03.03 Linac Magnets & Supports				
1.03.03.01 Bend Magnet (BX1_BC1)				
LN301-0010	Vendor Fab BX1 Magnet	37	07/05/06A	08/31/06A
LN301-0020	RCV: BX1 Magnet from Vendor	1	08/01/06A	08/31/06A
LN301-0030	BX1 Perform Magnetic Measurement	10*	08/01/06A	08/14/06
LN301-0000	BEND MAGNET (BX1_BC1) SUMMARY	72	07/05/06A	10/13/06
LN301-0040	Perform Magnet Pre-Instlation Qual	53*	08/01/06A	10/13/06
LN301-0050	AVAIL: BX1_BC1 Magnets Ready for Instl	0		10/13/06



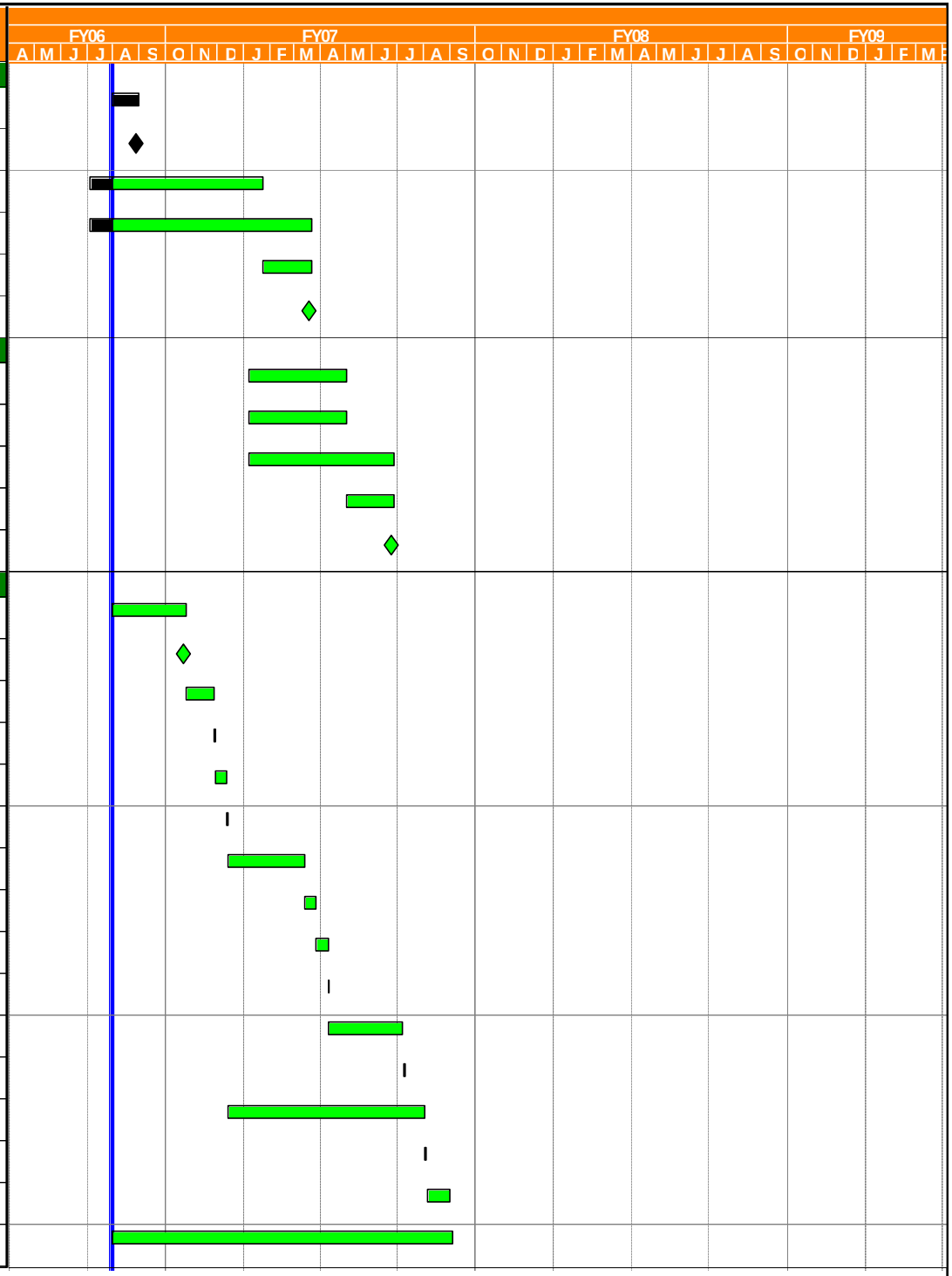
Activity ID	Activity Description	Orig Dur	Early Start	Early Finish
1.03.03.02 Bend Magnet (BX3_LTU)				
LN302-0040	BX3 Support Design	40	01/09/07	03/07/07
LN302-0050	Prepare Bid Package - BX3	10	03/08/07	03/21/07
LN302-0010	BX3 Engineering Suppt Magnet Refurbish	60	01/08/07	04/03/07
LN302-0020	BX3 Refurbish Magnets from FFTB	60	01/08/07	04/03/07
LN302-0060	Bid Process - BX3	10	03/22/07	04/04/07
LN302-0070	Award - BX3	1	04/05/07	04/05/07
LN302-0030	BX3 Perform Magnetic Measurement	20	04/04/07	05/01/07
LN302-0100	BX3 Design Safety Cover	40	03/08/07	05/02/07
LN302-0080	Vendor Fab - BX3	40	04/06/07	06/01/07
LN302-0090	RCV: BX3 Fabricate Magnet	1	06/04/07	06/04/07
LN302-0120	BX3 Misc Hardware	107	01/08/07	06/08/07
LN302-0110	BX3 Fabricate Safety Cover	40	05/03/07	06/28/07
LN302-0000	Bend Magnet (BX3_LTU) SUMMARY	131	01/08/07	07/13/07
LN302-0130	BX3 Final Assembly/Kit for Installation	10	06/29/07	07/13/07
LN302-0140	AVAIL: BX3 Ready for Installation	0		07/13/07
1.03.03.03 Bend Magnet (BX2_BC2)				
LN303-0010	Vendor Fab 1st Lot - Magnets	147*	07/05/06A	02/15/07
LN303-0020	RCV: BX2_BC2 Magnets from Vendor	1	02/16/07	02/16/07
LN303-0030	BX2 Perform Magnetic Measurement	20	02/20/07	03/19/07
LN303-0000	BEND MAGNET (BX2_BC2) SUMMARY	178	07/05/06A	04/02/07
LN303-0040	Perform Magnet Pre-Instlation Qual	10	03/20/07	04/02/07
LN303-0050	AVAIL: BX2_BC2 Magnets Ready for Instl	0		04/02/07
1.03.03.04 Bend Magnet (BY_LTU)				
LN304-0040	BYLTU Support Design	40	01/09/07	03/07/07
LN304-0050	Prepare Bid Package - BYLTU Supports	10	03/08/07	03/21/07
LN304-0010	BYLTU Engineering Suppt Magnet Refurbish	60	01/08/07	04/03/07
LN304-0020	BYLTU Refurbish Magnets from FFTB	60	01/08/07	04/03/07
LN304-0060	Bid Process - BYLTU Supports	10	03/22/07	04/04/07
LN304-0070	Award - BYLTU Supports	1	04/05/07	04/05/07



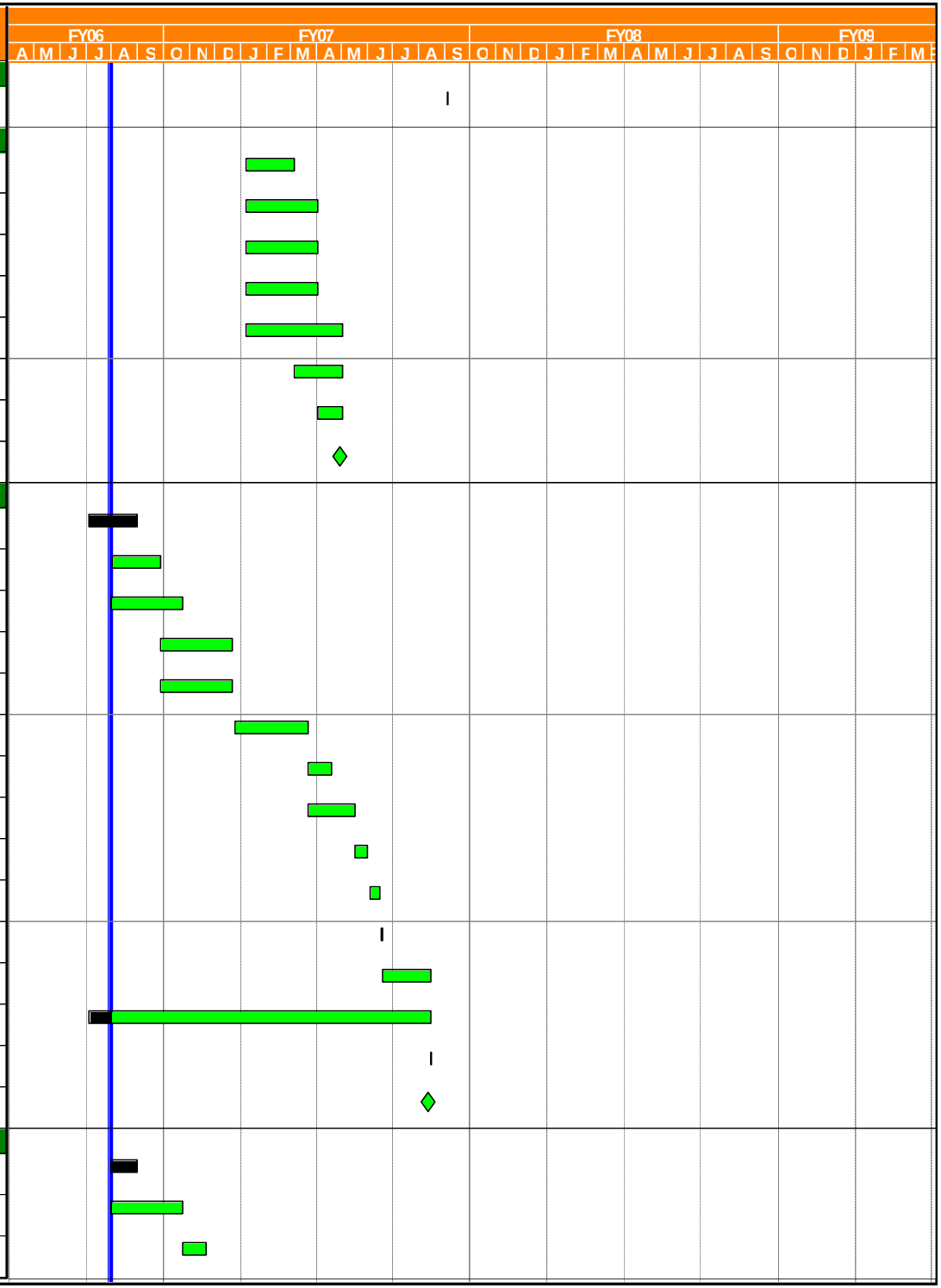
Activity ID	Activity Description	Orig Dur	Early Start	Early Finish
1.03.03.04 Bend Magnet (BY_LTU)				
LN304-0030	BYLTU Perform Magnetic Measurement	20	04/04/07	05/01/07
LN304-0100	BYLTU Design Safety Covers	40	03/08/07	05/02/07
LN304-0080	Vendor Fab - BYLTU Supports	40	04/06/07	06/01/07
LN304-0090	BYLTU Fabricate Supports	1	06/04/07	06/04/07
LN304-0110	BYLTU Fabricate Safety Covers	40	05/03/07	06/28/07
LN304-0120	BYLTU Misc Hardware	107	04/04/07	09/04/07
LN304-0000	BEND MAGNET (BY_LTU) SUMMARY	177	01/08/07	09/18/07
LN304-0130	BYLTU Final Assembly/Kit for Installation	10	09/05/07	09/18/07
LN304-0140	AVAIL: BYLTU Ready for Installation	0		09/18/07
1.03.03.05 Quad Magnet (Quad_LTU)				
LN305-0050	Everson Tesla Quad (req # 122832, qty 6)	115	07/05/06A	08/31/06A
LN305-0060	RCV: Everson Tesla Quad (req # 122832, qty 6)	1	08/01/06A	08/31/06A
LN305-0070	Measure Everson Tesla Quad (req # 122832, qty 6)	20	08/02/06	08/29/06
LN305-0080	Everson Tesla Quad (req # 121416, qty 14)	133*	07/05/06A	01/12/07
LN305-0090	RCV: Everson Tesla Quad (req # 121416, qty 14)	1	01/16/07	01/16/07
LN305-0100	Measure Everson Tesla Quad (req #121416, qty 14)	20	01/17/07	02/13/07
LN305-0010	Engineering Support Magnet Refurbishment	60	01/08/07	04/03/07
LN305-0020	Refurbish Quad 0.91Q17.72 (qty 27)	60	01/08/07	04/03/07
LN305-0040	Misc Material for Quad 0.91Q17.72 (qty 27)	60	01/08/07	04/03/07
LN305-0110	LTU Quad Support Design	60	01/08/07	04/03/07
LN305-0030	Measure Quad 0.91Q17.72 (qty 27)	20	04/04/07	05/01/07
LN305-0120	LTU Quad Fabricate Supports	107	04/04/07	09/04/07
LN305-0000	QUAD MAGNET (Quad_LTU) SUMMARY	326	07/05/06A	10/30/07
LN305-0130	Final Assembly LTU Quads	40	09/05/07	10/30/07
LN305-0140	AVAIL: LTU Quads	0		10/30/07
1.03.03.07 Quad Magnet (QE)				
LN307-0010	Perform Magnetic Measurement (as required)	10	07/05/06A	07/31/06A
LN307-0040	Sigma Phi Quad Order (req # 0000120991, qty 4)	20	07/05/06A	08/31/06A
LN307-0050	RCV: Tweaker Quad (qty 4)	1	08/01/06A	08/31/06A



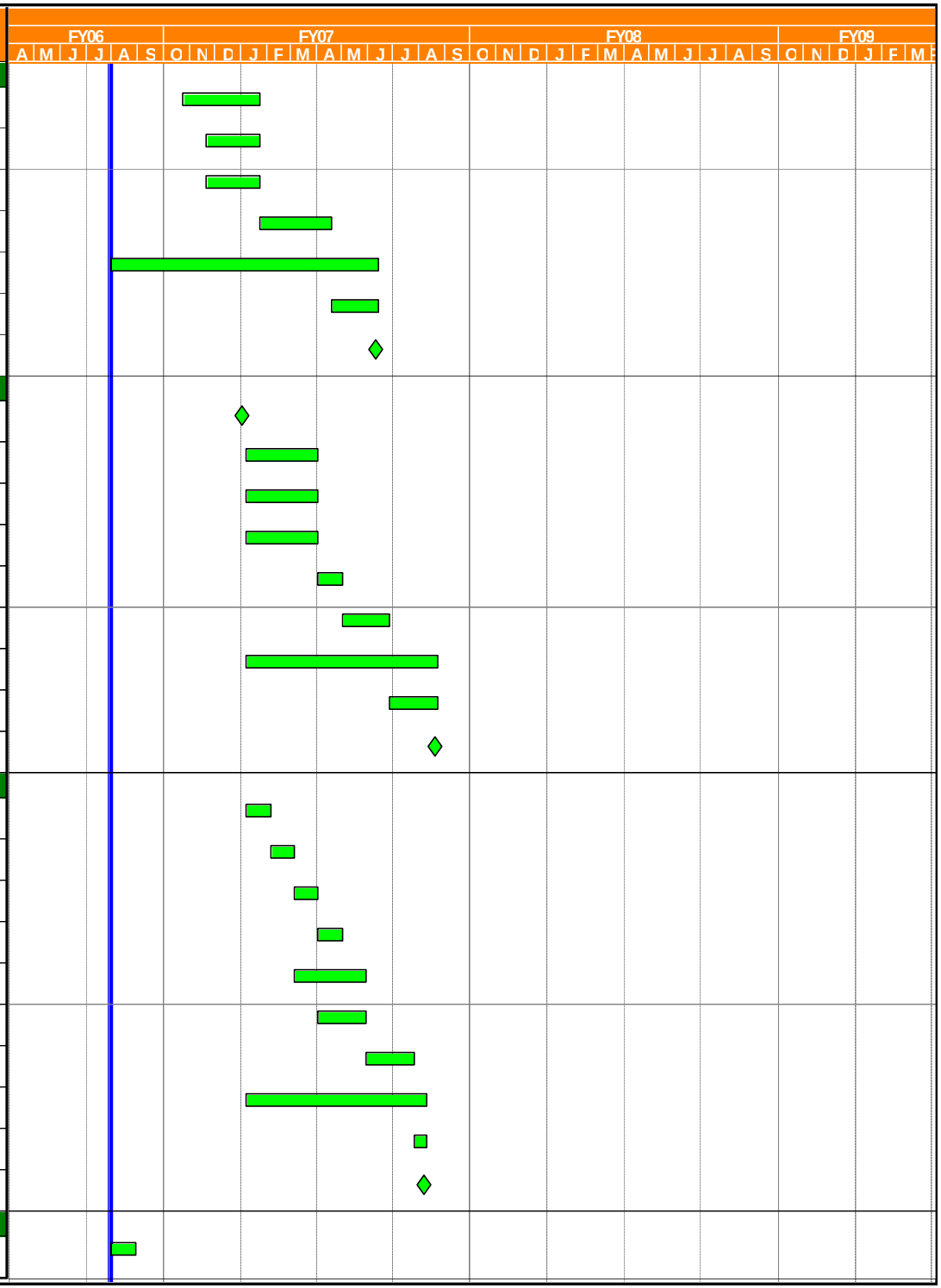
Activity ID	Activity Description	Orig Dur	Early Start	Early Finish
1.03.03.07 Quad Magnet (QE)				
LN307-0060	Magnetic Measure Tweaker Quad	5	08/01/06A	08/31/06A
LN307-0070	AVAIL: ET_ Quad Magnet Ready for BC1 Instl	0		08/31/06A
LN307-0020	Assemble QE Magnets (qty 6)	140*	07/05/06A	01/24/07
LN307-0000	QUAD MAGNET (QE_BC1/BC2) SUMMARY	180	07/05/06A	03/22/07
LN307-0030	Magnetic Measure QE Magnets (qty 6)	40	01/25/07	03/22/07
LN307-0080	AVAIL: ET_ Quad Magnet Ready for BC2 Instl	0		03/22/07
1.03.03.08 Corrector Magnet (Type 4)				
LN308-0010	Engineering Support Corrector Fabrication	80	01/08/07	05/01/07
LN308-0020	Fabricate Correctors	80	01/08/07	05/01/07
LN308-0000	CORRECTOR MAGNET (Linac Type 4_LTU/DUMP) SUMMARY	120	01/08/07	06/27/07
LN308-0030	Magnetic Measure Correctors	40	05/02/07	06/27/07
LN308-0040	AVAIL: LTU and E-Dump Correctors	0		06/27/07
1.03.03.09 Bend Magnet (BYD_LTU)				
LN309-0010	Prep Bid Pak - Magnets	62*	08/01/06A	10/26/06
LN309-0020	RELEASE: RFP -BYD_E-Dump Bend Magnet	0		10/26/06
LN309-0030	Vendors Prep Proposals - Magnets	20	10/27/06	11/27/06
LN309-0040	RCV: Proposals from Vendors - Magnet	1	11/28/06	11/28/06
LN309-0050	Evaluate Vendor Proposals - Magnets	10	11/29/06	12/12/06
LN309-0060	AWARD: BYD Magnet	1	12/13/06	12/13/06
LN309-0100	BYD Design Magnet Support	60	12/14/06	03/13/07
LN309-0110	Prepare Bid Package - BYD Supports	10	03/14/07	03/27/07
LN309-0120	Bid Process - BYD Supports	10	03/28/07	04/10/07
LN309-0130	AWARD - BYD Supports	1	04/11/07	04/11/07
LN309-0140	Vendor Fab - BYD Supports	60	04/12/07	07/06/07
LN309-0150	RCV: BYD Fabricate Supports	1	07/09/07	07/09/07
LN309-0070	BYD Vendor Fabricate Magnets	160	12/14/06	08/02/07
LN309-0080	RCV: BYD Magnets	1	08/03/07	08/03/07
LN309-0090	BYD Magnetic Measurement	20	08/06/07	08/31/07
LN309-0000	BEND MAGNET (BYD_DUMP) SUMMARY	267	08/01/06A	09/04/07



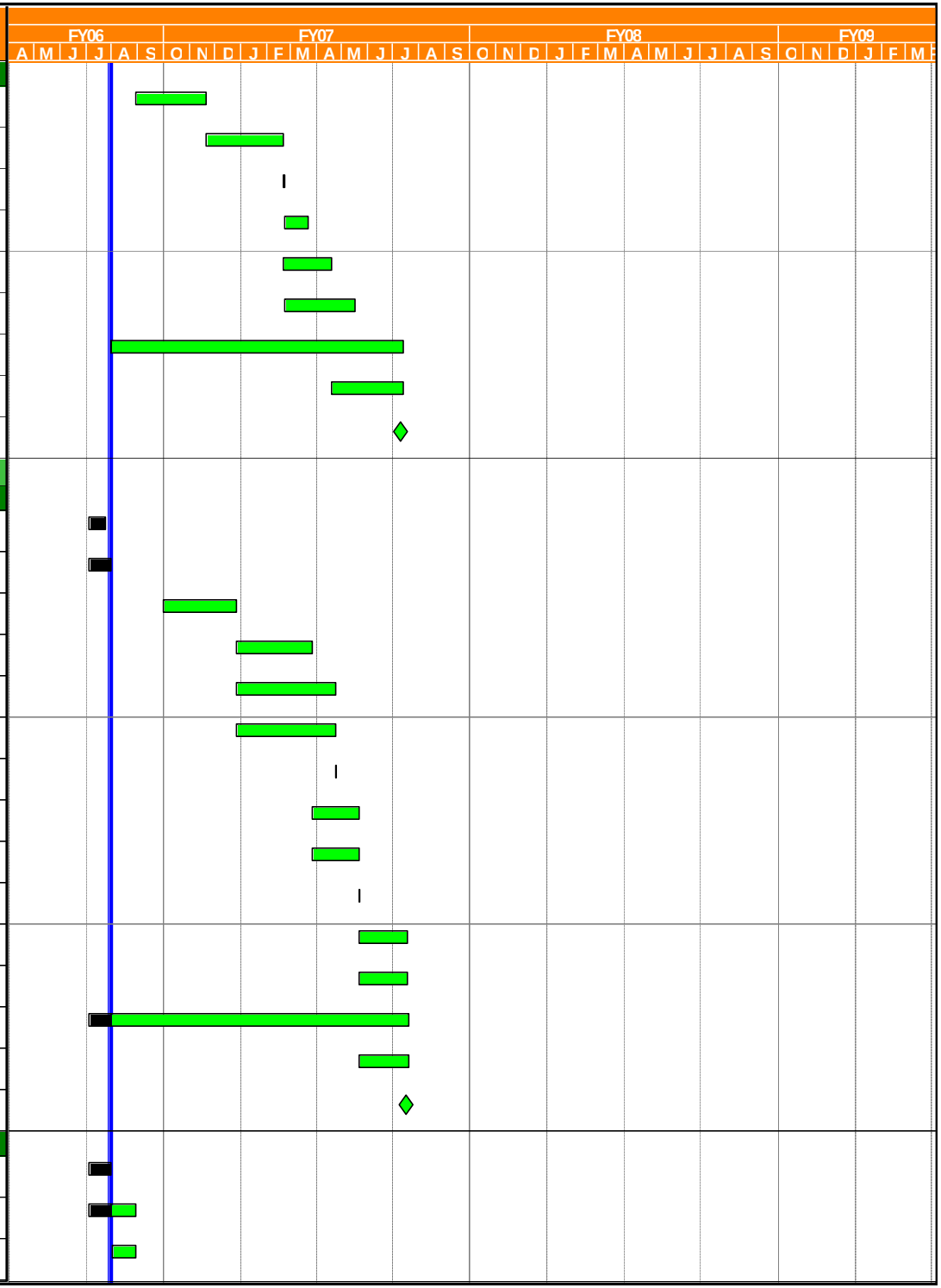
Activity ID	Activity Description	Orig Dur	Early Start	Early Finish
1.03.03.09 Bend Magnet (BYD_LTU)				
LN309-0160	AVAIL: BYD_E-Dump for Installation	1	09/04/07	09/04/07
1.03.03.10 Quad Magnet (QA)				
LN310-0050	Dump Quad Support Design	40	01/08/07	03/06/07
LN310-0010	Engineering Support Magnet Refurbishment	60	01/08/07	04/03/07
LN310-0020	Refurbish Quadrupoles 3.25Q20 (qty 4)	60	01/08/07	04/03/07
LN310-0040	Misc Materials for 3.25Q20 refurbish	60	01/08/07	04/03/07
LN310-0000	ET QUAD MAGNET (E-DUMP) SUMMARY	80	01/08/07	05/01/07
LN310-0060	Dump Quad Fabricate Supports	40	03/07/07	05/01/07
LN310-0030	Measure Quadrupoles 3.25Q20 (qty 4)	20	04/04/07	05/01/07
LN310-0070	AVAIL: Dump Quads for Installation	0		05/01/07
1.03.03.11 Bend Magnet (BYPM_LTU)				
LN311-0010	BXPM Design Change in Magnet Gap	40	07/05/06A	08/31/06A
LN311-0020	BXPM Test Strength of Increased Gap	40	08/02/06	09/27/06
LN311-0060	BXPM Misc Materials for Refurbish & Regap	60*	08/01/06A	10/24/06
LN311-0030	BXPM Engineering Support Magnet Refurb	60	09/28/06	12/22/06
LN311-0040	BXPM Refurbish FFTB Dump Bends (qty 4)	60	09/28/06	12/22/06
LN311-0050	BXPM Modify Gap FFTB Dump Bends (qty 4)	60	12/26/06	03/22/07
LN311-0070	BXPM Measure Regapped Bends (qty 4)	20	03/23/07	04/19/07
LN311-0080	BXPM Support Design	40	03/23/07	05/17/07
LN311-0090	Prepare Bid Package - BXPM Support	10	05/18/07	06/01/07
LN311-0100	Bid Process - BXPM Support	10	06/04/07	06/15/07
LN311-0110	Award - BXPM Support	1	06/18/07	06/18/07
LN311-0120	Vendor Fab - BXPM Support	40	06/19/07	08/14/07
LN311-0000	BEND MAGNET (BXPM_LTU) SUMMARY	273	07/05/06A	08/15/07
LN311-0130	RCV: BXPM Fabricate Supports	1	08/15/07	08/15/07
LN311-0140	AVAIL: BXPM for E-Dump Installation	0		08/15/07
1.03.03.12 Bend Magnet (BYKIK_LTU)				
LN312-0010	BYKIK Define Test Coil Parameters	20	08/01/06A	08/31/06A
LN312-0020	BYKIK Interface to Power Supply Design	60*	08/01/06A	10/24/06
LN312-0030	BYKIK Wind Test Coil	20	10/25/06	11/21/06



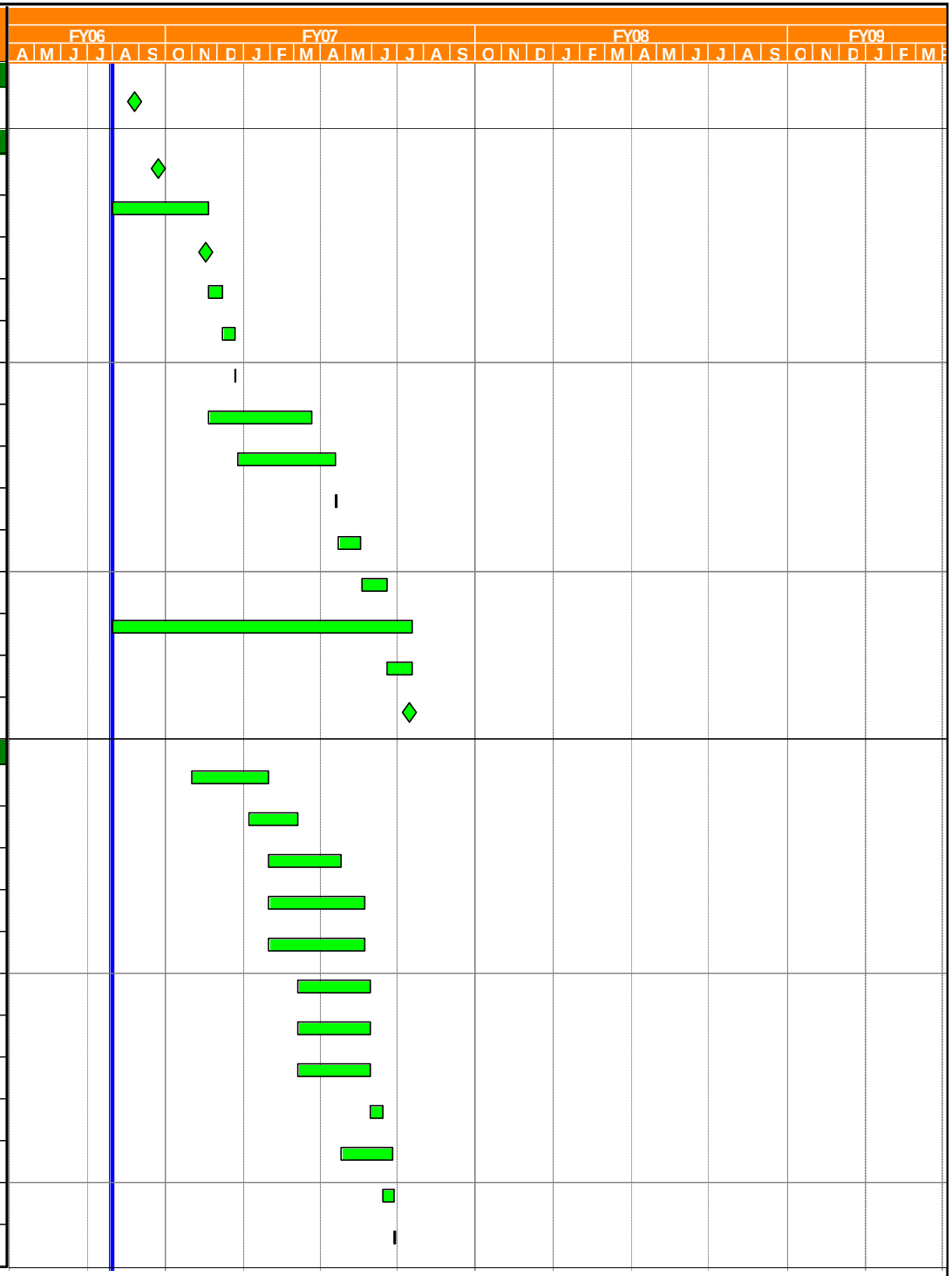
Activity ID	Activity Description	Orig Dur	Early Start	Early Finish
1.03.03.12 Bend Magnet (BYKIK_LTU)				
LN312-0070	BYKIK Misc Materials for BYKIK	60	10/25/06	01/23/07
LN312-0040	BYKIK Perform Pulse Tests	40	11/22/06	01/23/07
LN312-0050	BYKIK Design Kicker and Support	40	11/22/06	01/23/07
LN312-0060	BYKIK Fabricate Kicker and Support	60	01/24/07	04/18/07
LN312-0000	BEND MAGNET (BYKIK_LTU) SUMMARY	211	08/01/06A	06/14/07
LN312-0080	BYKIK Measure Kicker	40	04/19/07	06/14/07
LN312-0090	AVAIL: BYKIK for LTU Installation	0		06/14/07
1.03.03.13 Bend Magnet (BYW_LTU)				
LN313-0010	REQD: Existing SLAC Magents Available for LCLS	0		01/05/07
LN313-0020	BYW Engineering Support Magnet Refurbishment	60	01/08/07	04/03/07
LN313-0030	BYW Refurbish FFTB Wiggler (qty 1)	60	01/08/07	04/03/07
LN313-0040	BYW Misc Materials for FFTB Wiggler Refurb	60	01/08/07	04/03/07
LN313-0050	BYW Measure Refurbished FFTB Wiggler	20	04/04/07	05/01/07
LN313-0060	BYW Support Design	40	05/02/07	06/27/07
LN313-0000	BEND MAGNET (BYW_LTU) SUMMARY	160	01/08/07	08/23/07
LN313-0070	BYW Fabricate Supports	40	06/28/07	08/23/07
LN313-0080	AVAIL: BYW_LTU Magnet Ready for Instl	0		08/23/07
1.03.03.14				
LN314-0010	BXKIK Define Test Coil Parameters	20	01/08/07	02/05/07
LN314-0020	BXKIK Interface to Power Supply Design	20	02/06/07	03/06/07
LN314-0030	BXKIK Wind Test Coil	20	03/07/07	04/03/07
LN314-0040	BXKIK Perform Pulse Test	20	04/04/07	05/01/07
LN314-0070	BXKIK Misc Materials	60	03/07/07	05/30/07
LN314-0050	BXKIK Design Kicker and Support	40	04/04/07	05/30/07
LN314-0060	BXKIK Fabricate Kicker and Support	40	05/31/07	07/26/07
LN314-0000	BXKIK LINAC TCAV SCREEN KICKER (L3) SUMMARY	151	01/08/07	08/10/07
LN314-0080	BXKIK Measure Kicker	11	07/27/07	08/10/07
LN314-0090	AVAIL: BXKIK for L3 Install	0		08/10/07
1.03.03.15				
LN315-0010	MuToro Establish Toroid Parameters	20*	08/01/06A	08/28/06



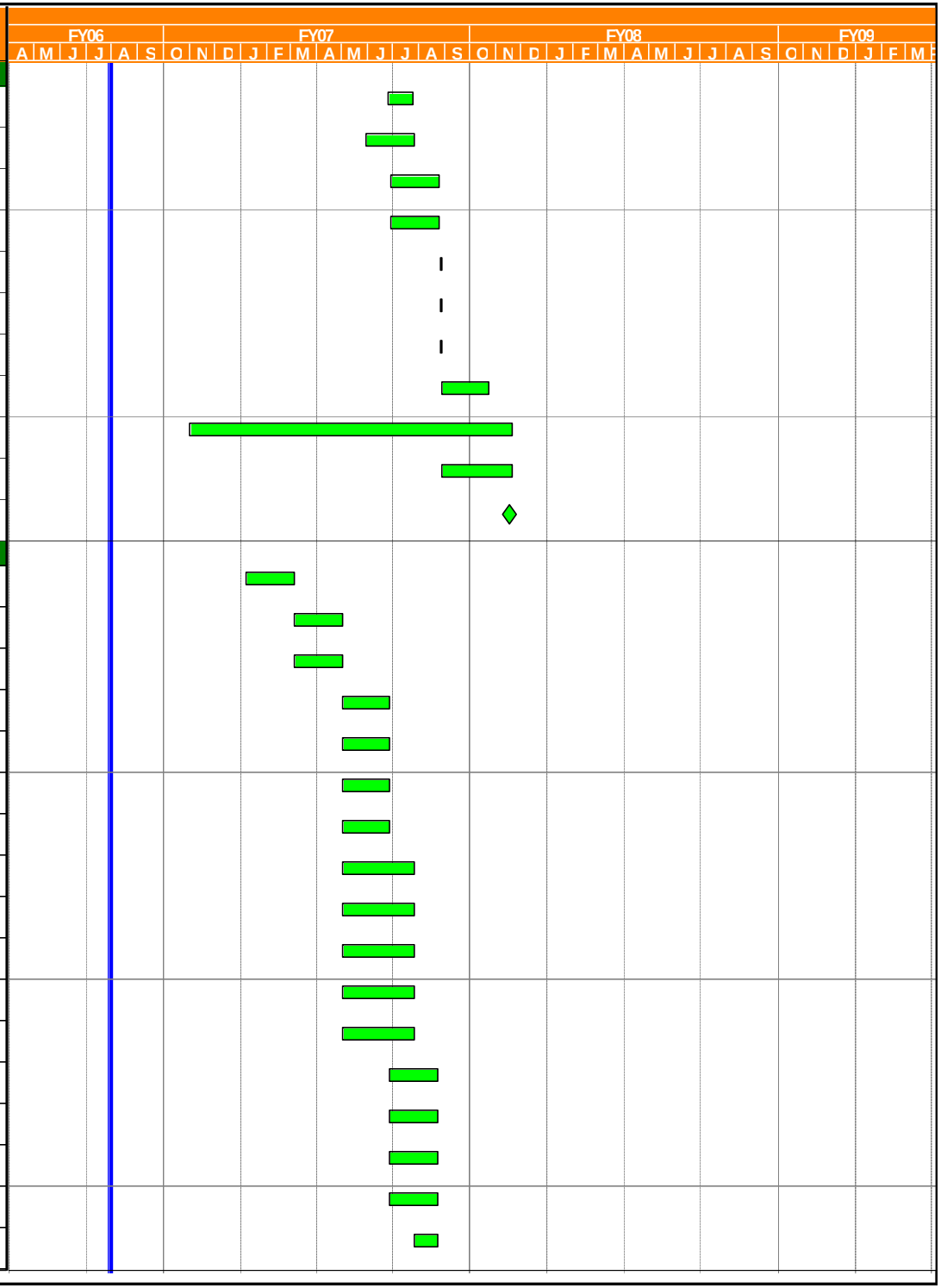
Activity ID	Activity Description	Orig Dur	Early Start	Early Finish
1.03.03.15				
LN315-0020	MuToro Purchase Toroid	60	08/29/06	11/21/06
LN315-0030	MuToro Vendor Fabricate Toroid	60	11/22/06	02/21/07
LN315-0040	RCV: MuToro from Vendor	1	02/22/07	02/22/07
LN315-0080	MuToro Measure Toro	20	02/23/07	03/22/07
LN315-0050	MuToro Design Toro Support	40	02/22/07	04/18/07
LN315-0070	MuToro Misc Materials Toro	60	02/23/07	05/17/07
LN315-0000	MUON TOROID (E-DUMP) SUMMARY	240	08/01/06A	07/13/07
LN315-0060	MuToro Fabricate Toro Support	60	04/19/07	07/13/07
LN315-0090	AVAIL: MuToro for E-Dump Install	0		07/13/07
1.03.04 Linac Vacuum Subsystem				
1.03.04.02 Linac Beamline Vacuum System				
LN402-0120	Fabricate L1 Vacuum Hardware and Supports	34	07/05/06A	07/24/06A
LN402-0140	Develop Final Design - L2 and L3	20	07/05/06A	07/31/06A
LN402-0010	Design L2 Vacuum Drifts and Supports	60	10/02/06*	12/27/06
LN402-0060	Design L3 Vacuum Drifts and Supports	60	12/28/06	03/26/07
LN402-0020	Engineering Fabrication Support L2 Vacuum	80	12/28/06	04/23/07
LN402-0030	Fabricate L2 Vacuum Drifts and Supports	80	12/28/06	04/23/07
LN402-0040	RCV: L2 Vacuum Drifts and Supports	1	04/24/07	04/24/07
LN402-0070	Engineering Fabrication Support L3 Vacuum	40	03/27/07	05/21/07
LN402-0080	Fabricate L3 Vacuum Drifts and Supports	40	03/27/07	05/21/07
LN402-0090	RCV: L3 Vacuum Drifts and Supports	1	05/22/07	05/22/07
LN402-0050	Vacuum Process L2 Drifts	40	05/22/07	07/18/07
LN402-0110	L2/L3 Misc Girder Hardware	40	05/22/07	07/18/07
LN402-0000	LINAC BEAMLINE VACUUM CHAMBERS SUMMARY	254	07/05/06A	07/19/07
LN402-0100	Vacuum Process L3 Drifts	40	05/23/07	07/19/07
LN402-0130	AVAIL: L2/L3 Vacuum Hardware for Install	0		07/19/07
1.03.04.03 BC1 Vacuum System				
LN403-0030	Process Vacuum Chamber	20	07/05/06A	07/31/06A
LN403-0000	LINAC BC1 VACUUM CHAMBERS SUMMARY	40	07/05/06A	08/29/06
LN403-0010	Perform Pre-Installation Qual Test	20	08/02/06	08/29/06



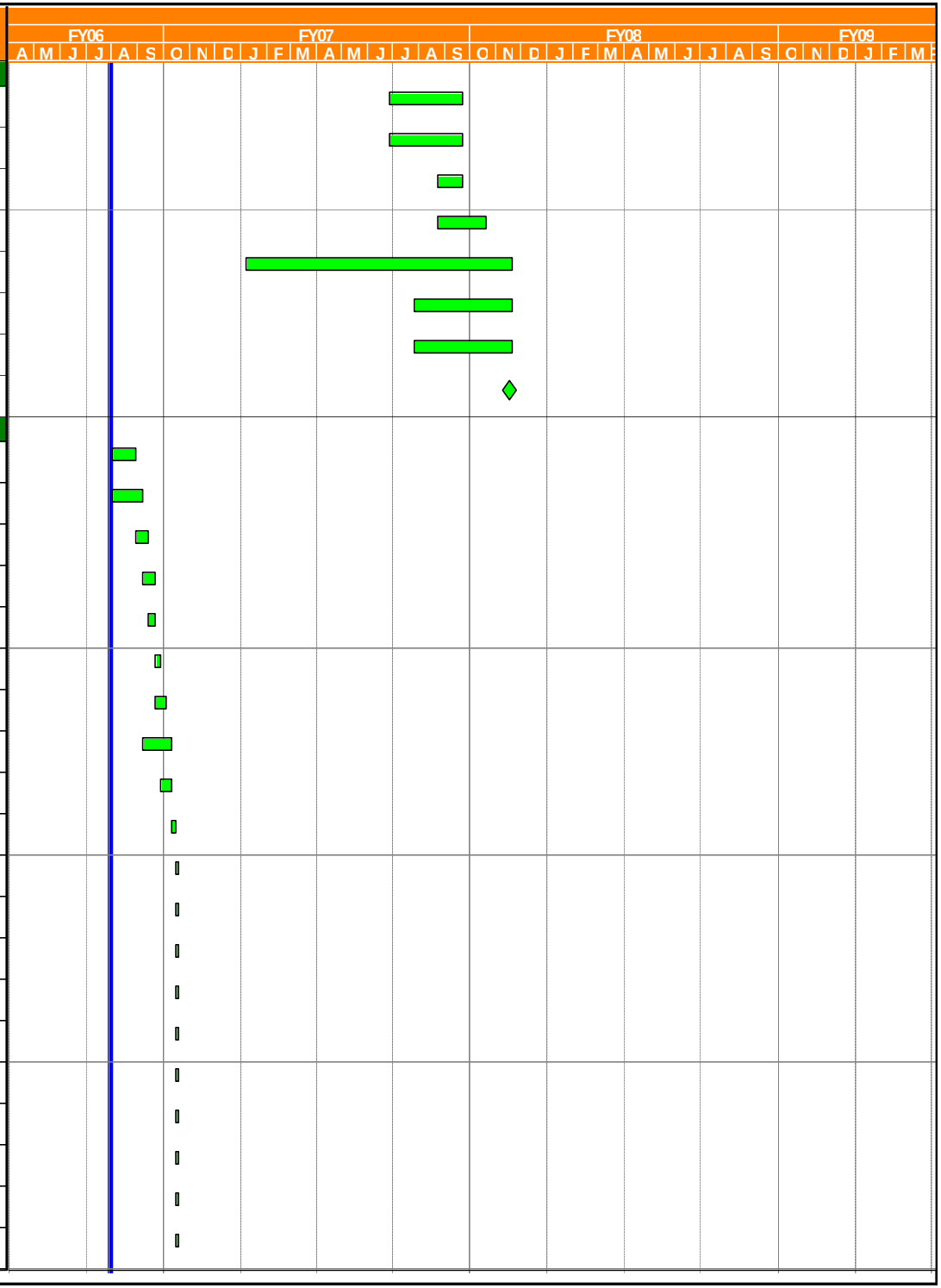
Activity ID	Activity Description	Orig Dur	Early Start	Early Finish
1.03.04.03 BC1 Vacuum System				
LN403-0020	AVAIL: BC1 Vac Chambers Ready for Install	0		08/29/06
1.03.04.04 BC2 Vacuum System				
LN404-0020	BC2 Vac & Articulation Prelim Design Review	0		09/26/06
LN404-0010	Design BC2 Vac & Articulation	80*	08/01/06A	11/21/06
LN404-0030	BC2 Vac & Articulation Final Design Review	0		11/21/06
LN404-0050	Prepare Bid Package - BC2 Vac & Articulation	10	11/22/06	12/07/06
LN404-0060	Bid Process - BC2 Vac & Articulation	10	12/08/06	12/21/06
LN404-0070	Award - BC2 Vac & Articulation	1	12/22/06	12/22/06
LN404-0040	Engineering Fab Support BC2 Vac & Articulation	80	11/22/06	03/21/07
LN404-0080	Vendor Fab - BC2 Vac & Articulation	80	12/26/06	04/19/07
LN404-0090	RCV: BC2 Vac & Articulation	1	04/20/07	04/20/07
LN404-0100	Process Vacuum Chamber	20	04/23/07	05/18/07
LN404-0110	Perform QC and Inspection	20	05/21/07	06/18/07
LN404-0000	LINAC BC2 VACUUM CHAMBERS SUMMARY	233	08/01/06A	07/17/07
LN404-0120	Perform Pre-Installation Qual Test	20	06/19/07	07/17/07
LN404-0130	AVAIL: BC2 Vac Chambers Ready for Install	0		07/17/07
1.03.04.05 Linac to Undulator (LTU) Vacuum System				
LN405-0160	Design Dump Kicker Chamber	60	11/01/06*	01/30/07
LN405-0010	Model Vacuum System	40	01/08/07	03/06/07
LN405-0170	Design Dump Kicker Chamber Supports	60	01/31/07	04/25/07
LN405-0180	Fabricate Dump Kicker Chamber	80	01/31/07	05/23/07
LN405-0190	Dump Kicker Chamber Material	80	01/31/07	05/23/07
LN405-0020	Design Drifts	60	03/07/07	05/30/07
LN405-0030	Design Drift Supports	60	03/07/07	05/30/07
LN405-0040	Design Pump Supports	60	03/07/07	05/30/07
LN405-0060	Prepare Bid Package - LTU Vacuum System	10	05/31/07	06/13/07
LN405-0200	Fabricate Dump Kicker Chamber Supports	42	04/26/07	06/25/07
LN405-0070	Bid Process - LTU Vacuum System	10	06/14/07	06/27/07
LN405-0080	Award - LTU Vacuum System	1	06/28/07	06/28/07



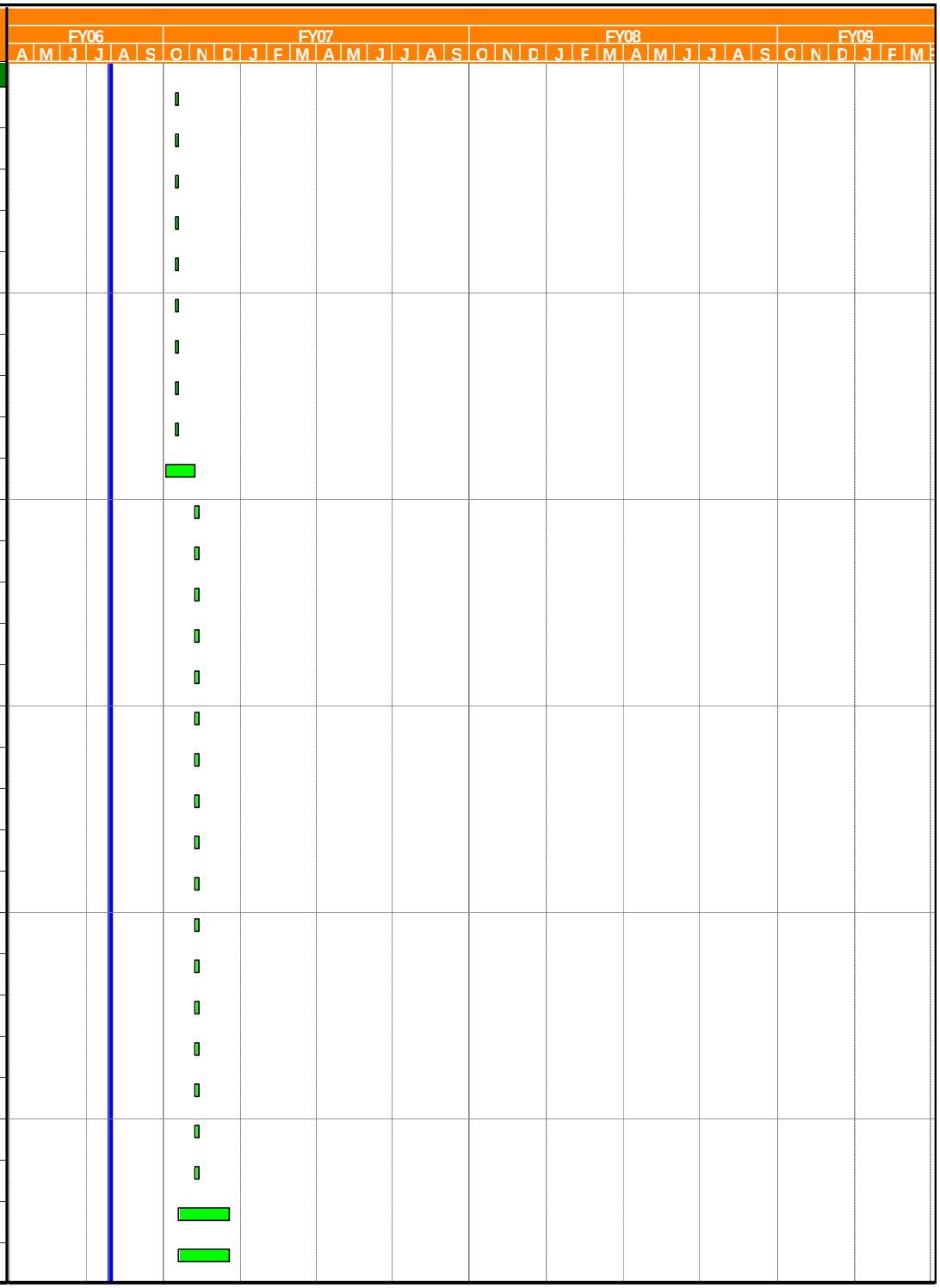
Activity ID	Activity Description	Orig Dur	Early Start	Early Finish
1.03.04.05 Linac to Undulator (LTU) Vacuum System				
LN405-0210	Vacuum Process Dump Chamber	20	06/26/07	07/24/07
LN405-0050	Engineering Support Purchasing	40	05/31/07	07/26/07
LN405-0090	Vendor Fab - LTU Vacuum System	40	06/29/07	08/24/07
LN405-0130	Purchase Pump Supports	40	06/29/07	08/24/07
LN405-0100	RCV: Vacuum Hardware	1	08/27/07	08/27/07
LN405-0110	RCV: Vacuum Drifts	1	08/27/07	08/27/07
LN405-0120	RCV: Drift Supports	1	08/27/07	08/27/07
LN405-0140	Vacuum Process Vacuum Hardware	40	08/28/07	10/23/07
LN405-0000	LINAC to UND (LTU) VAC CHAMBERS SUMMARY	257	11/01/06	11/20/07
LN405-0150	Vacuum Process Drifts	60	08/28/07	11/20/07
LN405-0220	AVAIL: LTU Vac for Installation	0		11/20/07
1.03.04.06 Dumpline Vacuum System				
LN406-0010	Model Dump Vacuum System	40	01/08/07	03/06/07
LN406-0020	Design Dump Drifts	40	03/07/07	05/01/07
LN406-0120	Design Dump Chamber	40	03/07/07	05/01/07
LN406-0030	Design Dump Drift Supports	40	05/02/07	06/27/07
LN406-0040	Design Dump Pump Suppports	40	05/02/07	06/27/07
LN406-0130	Design Dump Chamber Supports	40	05/02/07	06/27/07
LN406-0180	Design Safety Dump Chamber	40	05/02/07	06/27/07
LN406-0050	Engineering Support Dump Vacuum Purchasing	60	05/02/07	07/26/07
LN406-0060	Purchase Dump Vacuum Hardware	60	05/02/07	07/26/07
LN406-0070	Purchase Dump Vacuum Drifts	60	05/02/07	07/26/07
LN406-0140	Fabricate Dump Chamber	60	05/02/07	07/26/07
LN406-0150	Dump Kicker Chamber Materials	60	05/02/07	07/26/07
LN406-0160	Fabricate Dump Chamber Supports	40	06/28/07	08/23/07
LN406-0190	Design Safety Dump Chamber Supports	40	06/28/07	08/23/07
LN406-0200	Fabricate Safety Dump Chamber	40	06/28/07	08/23/07
LN406-0210	Safety Dump Chamber Materials	40	06/28/07	08/23/07
LN406-0170	Vacuum Process Dump Chamber	20	07/27/07	08/23/07



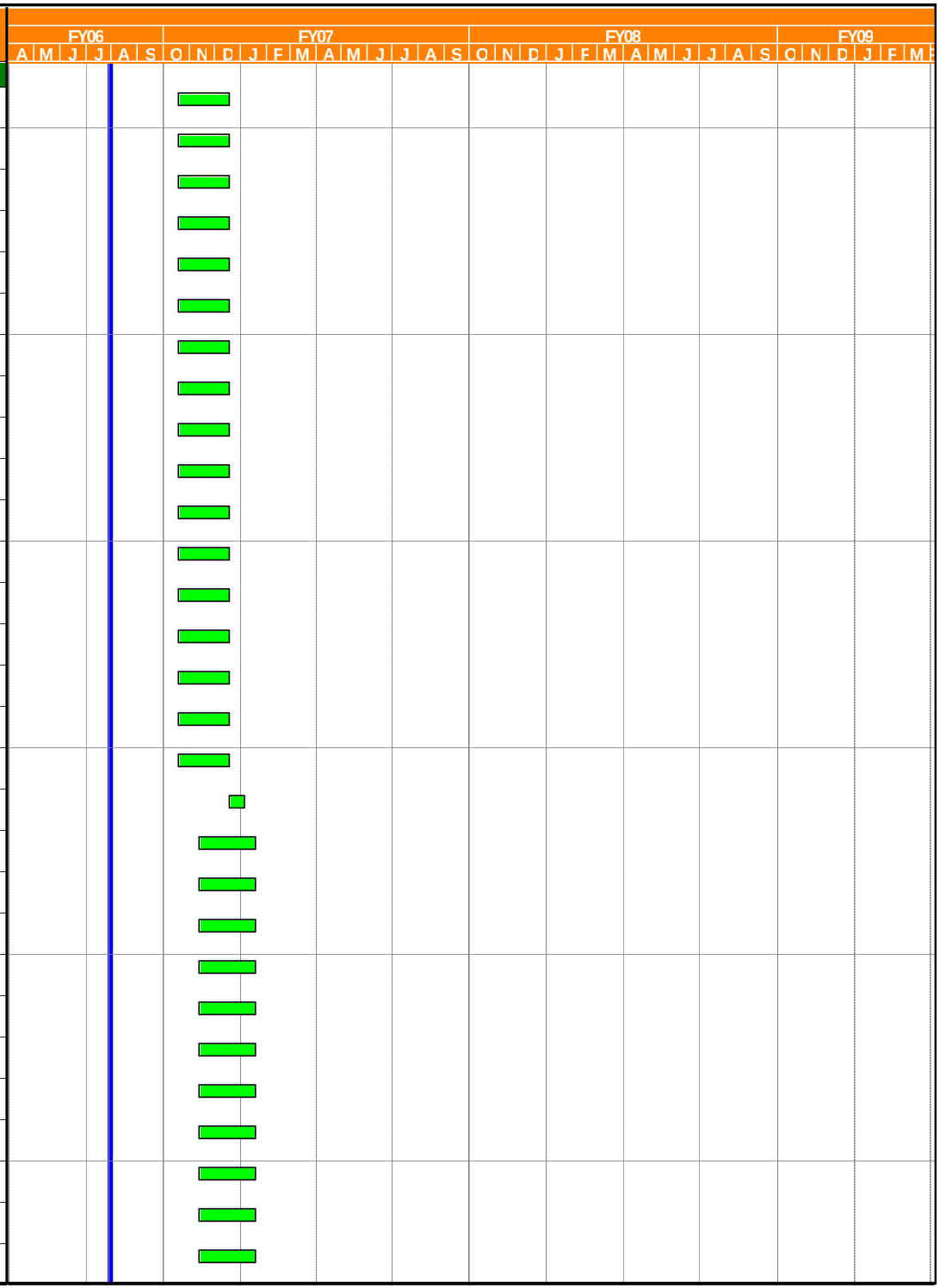
Activity ID	Activity Description	Orig Dur	Early Start	Early Finish
1.03.04.06 Dumpline Vacuum System				
LN406-0080	Purchase Dump Drift Supports	60	06/28/07	09/21/07
LN406-0090	Purchase Dump Pump Supports	60	06/28/07	09/21/07
LN406-0230	Vacuum Process Safety Dump Chamber	20	08/24/07	09/21/07
LN406-0220	Fabricate Safety Dump Chamber Supports	40	08/24/07	10/19/07
LN406-0000	LINAC DUMPLINE VACUUM CHAMBERS SUMMARY	221	01/08/07	11/19/07
LN406-0100	Vacuum Process Dump Vacuum Hardware	81	07/27/07	11/19/07
LN406-0110	Vacuum Process Dump Drifts	81	07/27/07	11/19/07
LN406-0240	AVAIL: E-Dump Vacuum for Install	0		11/19/07
1.03.04.07				
LN407-2010	Prelim Prototype Design Exit Sec	20	08/02/06	08/29/06
LN407-1010	Prelim Design Ent Sec	25	08/02/06	09/06/06
LN407-2020	Mechanical Analysis Exit Sec	10	08/30/06	09/13/06
LN407-1020	Mechanical Analysis Ent Sec	10	09/07/06	09/20/06
LN407-2030	Prelim Prototype Design Review Exit Sec	5	09/14/06	09/20/06
LN407-1030	Prelim Design Review Ent Sec	5	09/21/06	09/27/06
LN407-2040	Final Exit Sec Design	10	09/21/06	10/04/06
LN407-1050	Bid Process Bid Pkg	25	09/07/06	10/11/06
LN407-1040	Final Design Ent Sec	10	09/28/06	10/11/06
LN407-1060	Evaluate Bids - Entrance Section	3	10/12/06	10/16/06
LN407-1070	AWARD: Standard Entrance Chamber Sppt	3	10/17/06	10/19/06
LN407-1080	AWARD: Entrance Bellows Sppt	3	10/17/06	10/19/06
LN407-1090	AWARD: Entrance Upstream Chamber Sppt	3	10/17/06	10/19/06
LN407-1100	AWARD: Pump Manifold Sppt	3	10/17/06	10/19/06
LN407-1110	AWARD: Ion Pump (1) Sppt	3	10/17/06	10/19/06
LN407-1120	AWARD: Ion Pump Controller (1) Sppt	3	10/17/06	10/19/06
LN407-1130	AWARD: Ion Pump Cable (1) Sppt	3	10/17/06	10/19/06
LN407-1140	AWARD: Turbo Pump SPPT	3	10/17/06	10/19/06
LN407-1150	AWARD: Gate Valve (1) Sppt	3	10/17/06	10/19/06
LN407-1160	AWARD: Roughing Pump SPPT	3	10/17/06	10/19/06



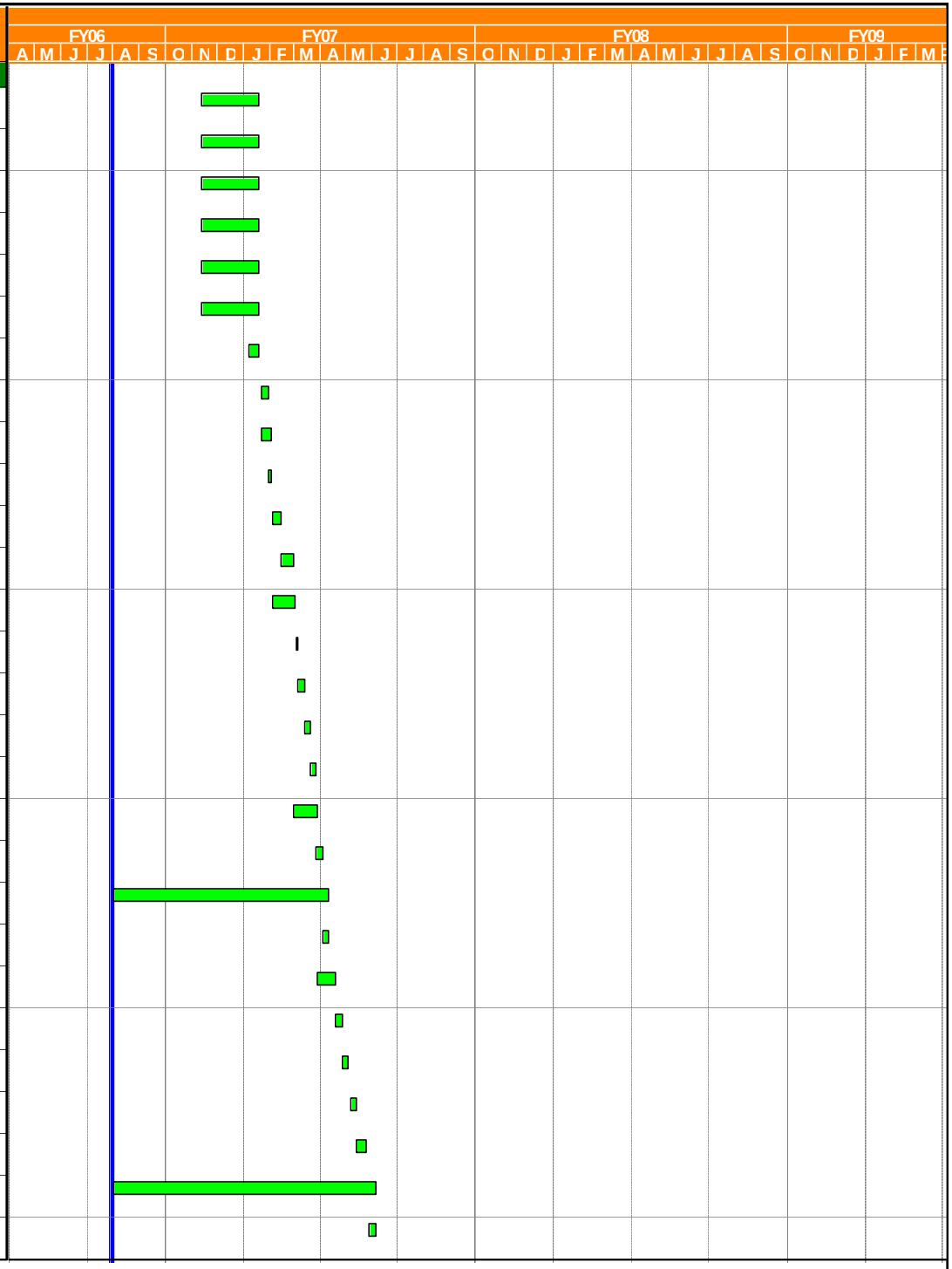
Activity ID	Activity Description	Orig Dur	Early Start	Early Finish
1.03.04.07				
LN407-1170	AWARD: Pneumatic Gate Valve SPPT	3	10/17/06	10/19/06
LN407-1180	AWARD: Valves (1) Sppt	3	10/17/06	10/19/06
LN407-1190	AWARD: Vacuum Gauge (1) Sppt	3	10/17/06	10/19/06
LN407-1200	AWARD: RGA (1) Sppt	3	10/17/06	10/19/06
LN407-1210	AWARD: Standard Entrance Chamber Support Sppt	3	10/17/06	10/19/06
LN407-1220	AWARD: Entrance Chamber Mount Sppt	3	10/17/06	10/19/06
LN407-1230	AWARD: Ion Pump Support (1) Sppt	3	10/17/06	10/19/06
LN407-1240	AWARD: Gate Valve Support Sppt	3	10/17/06	10/19/06
LN407-1250	AWARD: RGA Support Sppt	3	10/17/06	10/19/06
LN407-2050	Bid Process Exit Sec	25	10/05/06	11/08/06
LN407-2060	AWARD: Standard Exit Chamber Sppt	3	11/09/06	11/13/06
LN407-2070	AWARD: Exit Bellows Sppt	3	11/09/06	11/13/06
LN407-2080	AWARD: Exit Downstream Chamber Sppt	3	11/09/06	11/13/06
LN407-2090	AWARD: Exit Pump Manifold Sppt	3	11/09/06	11/13/06
LN407-2100	AWARD: Ion Pump Sppt	3	11/09/06	11/13/06
LN407-2110	AWARD: Turbo Pump Sppt	3	11/09/06	11/13/06
LN407-2120	AWARD: Pneumatic Gate Valve SPPT	3	11/09/06	11/13/06
LN407-2130	AWARD: Roughing Pump Sppt	3	11/09/06	11/13/06
LN407-2140	AWARD: Gate Valve Sppt	3	11/09/06	11/13/06
LN407-2150	AWARD: Valves Sppt	3	11/09/06	11/13/06
LN407-2160	AWARD: Vacuum Gauge Sppt	3	11/09/06	11/13/06
LN407-2170	AWARD: RGA Sppt	3	11/09/06	11/13/06
LN407-2180	AWARD: Standard Exit Chamber Support (2) Sppt	3	11/09/06	11/13/06
LN407-2190	AWARD: Exit Downstream Chamber Support (2) Sppt	3	11/09/06	11/13/06
LN407-2200	AWARD: Ion Pump Support (2) Sppt	3	11/09/06	11/13/06
LN407-2210	AWARD: Gate Valve Support (1) Sppt	3	11/09/06	11/13/06
LN407-2220	AWARD: RGA Support (1) Sppt	3	11/09/06	11/13/06
LN407-1260	Rec: Standard Entrance Chamber	40	10/20/06	12/18/06
LN407-1270	Rec: Entrance Bellows	40	10/20/06	12/18/06



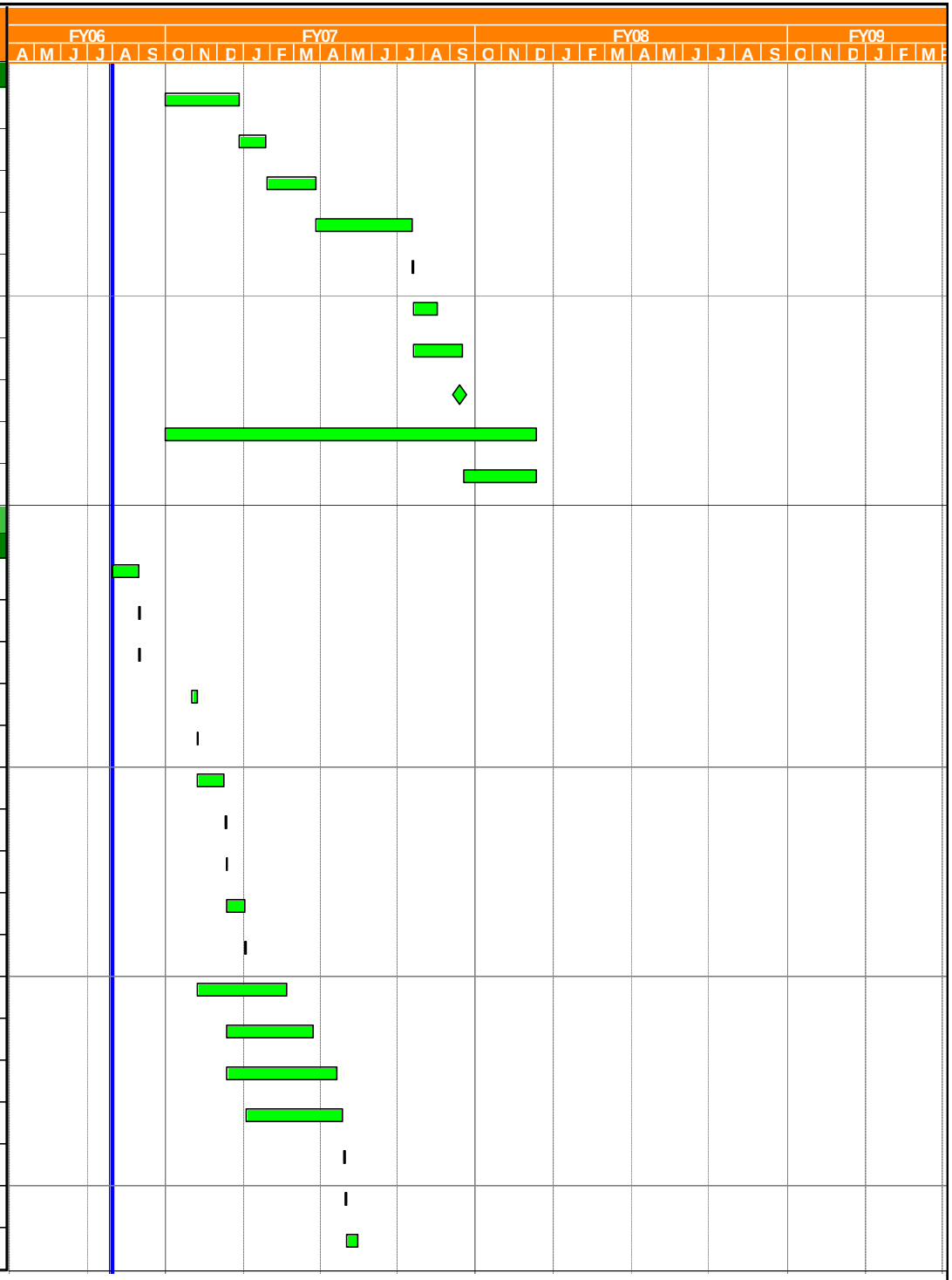
Activity ID	Activity Description	Orig Dur	Early Start	Early Finish
1.03.04.07				
LN407-1280	Rec: Entrance Upstream Chamber	40	10/20/06	12/18/06
LN407-1290	Rec: Pump Manifold	40	10/20/06	12/18/06
LN407-1300	Rec: Ion Pump	40	10/20/06	12/18/06
LN407-1310	Rec: Ion Pump Controller	40	10/20/06	12/18/06
LN407-1320	Rec: Ion Pump Cable	40	10/20/06	12/18/06
LN407-1330	Rec: Gate Valve	40	10/20/06	12/18/06
LN407-1340	Rec: Valve	40	10/20/06	12/18/06
LN407-1350	Rec: Vacuum Gauge	40	10/20/06	12/18/06
LN407-1360	Rec: RGA	40	10/20/06	12/18/06
LN407-1370	Rec: Entrance Chamber Support	40	10/20/06	12/18/06
LN407-1380	Rec: Chamber Mount	40	10/20/06	12/18/06
LN407-1390	Rec: Ion Pump Support	40	10/20/06	12/18/06
LN407-1400	Rec: Gate Valve Support	40	10/20/06	12/18/06
LN407-1410	Rec: RGA Support	40	10/20/06	12/18/06
LN407-1420	Rec: Turbo Pump	40	10/20/06	12/18/06
LN407-1430	Rec: Roughing Pump	40	10/20/06	12/18/06
LN407-1440	Rec: Pneumatic Gate Valve	40	10/20/06	12/18/06
LN407-1450	QA of Entrance Section Components	7	12/19/06	01/05/07
LN407-2230	Rec: Standard Exit Chamber	40	11/14/06	01/19/07
LN407-2240	Rec: Exit Bellows	40	11/14/06	01/19/07
LN407-2250	Rec: Exit Downstream Chamber	40	11/14/06	01/19/07
LN407-2260	Rec: Exit Pump Manifold	40	11/14/06	01/19/07
LN407-2270	Rec: Ion Pump	40	11/14/06	01/19/07
LN407-2280	Rec: Turbo Pump	40	11/14/06	01/19/07
LN407-2290	Rec: Roughing Pump	40	11/14/06	01/19/07
LN407-2300	Rec: Pneumatic Gate Valve	40	11/14/06	01/19/07
LN407-2310	Rec: Gate Valve	40	11/14/06	01/19/07
LN407-2320	Rec: Valve	40	11/14/06	01/19/07
LN407-2330	Rec: Vacuum Gauge	40	11/14/06	01/19/07



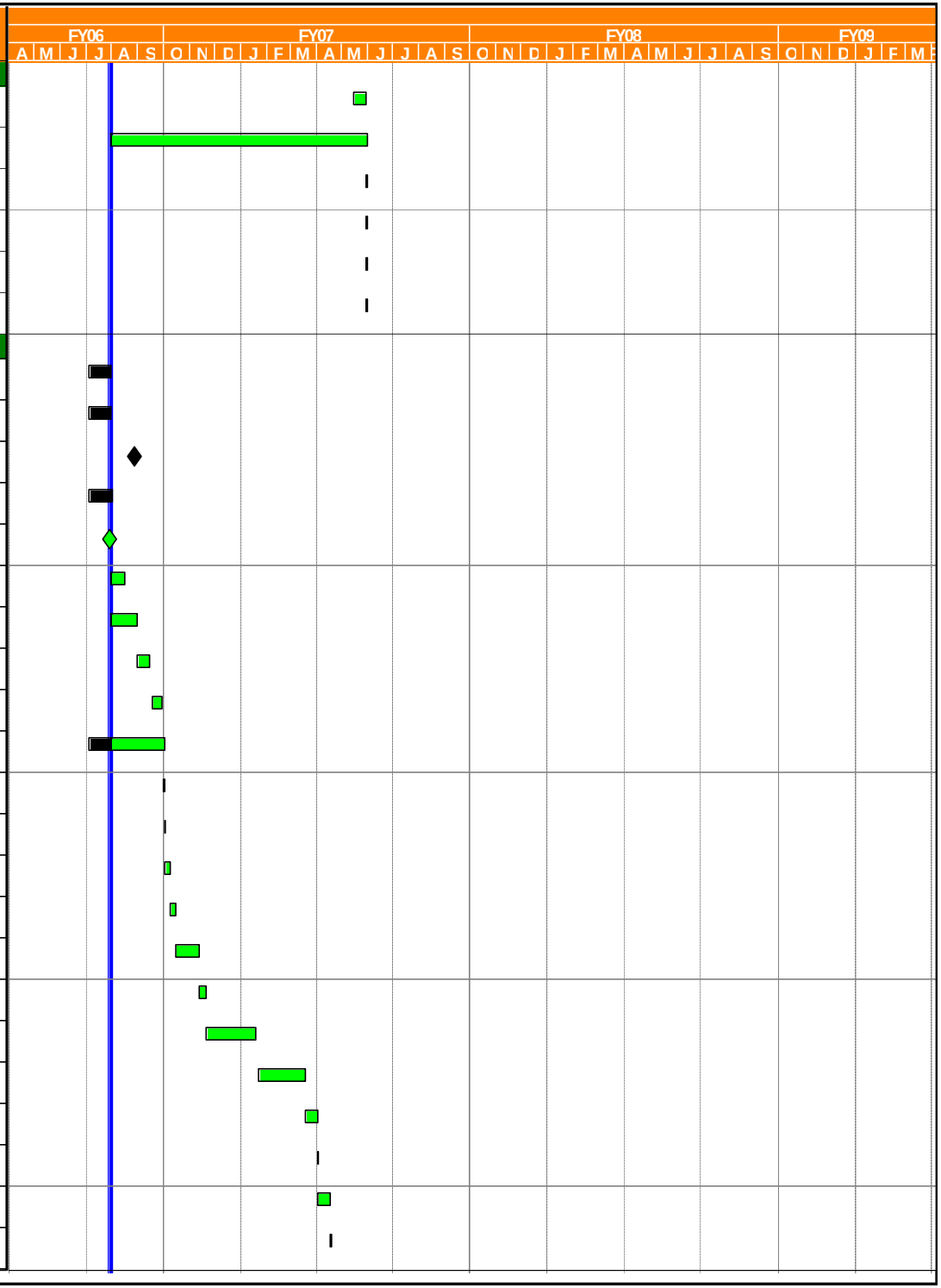
Activity ID	Activity Description	Orig Dur	Early Start	Early Finish
1.03.04.07				
LN407-2340	Rec: RGA	40	11/14/06	01/19/07
LN407-2350	Rec: Standard Exit Chamber Support	40	11/14/06	01/19/07
LN407-2360	Rec: Exit Downstream Chamber Support	40	11/14/06	01/19/07
LN407-2370	Rec: Ion Pump Support	40	11/14/06	01/19/07
LN407-2380	Rec: Gate Valve Support	40	11/14/06	01/19/07
LN407-2390	Rec: RGA Support	40	11/14/06	01/19/07
LN407-1460	Clean Ent Sec	10	01/08/07	01/19/07
LN407-2400	QA of Exit Section Components	7	01/22/07	01/30/07
LN407-1470	Bake Ent Sec	10	01/22/07	02/02/07
LN407-2410	Approve Production Exit Sec	3	01/31/07	02/02/07
LN407-2420	Clean Exit Sec	8	02/05/07	02/14/07
LN407-2430	Bake Exit Sec	10	02/15/07	02/28/07
LN407-1480	Assemble Entrance Section Components	20	02/05/07	03/02/07
LN407-1490	Assembly Test Ent Sec	2	03/05/07	03/06/07
LN407-1500	Prepare Ent Sec Assembly & Support for Shipme	5	03/07/07	03/13/07
LN407-1510	Pack Ent Sec Assembly & Support for Shipment	5	03/14/07	03/20/07
LN407-1520	Transmit Ent Sec Design a& Drawings to SLAC	5	03/21/07	03/27/07
LN407-2440	Assemble Exit Section Components	20	03/01/07	03/29/07
LN407-1530	Develop Installation Plan Ent Sec	6	03/28/07	04/04/07
LN407-1000	Entrance Section Assembly Summary	174	08/02/06	04/11/07
LN407-1540	Review installation Plan Ent Sec	5	04/05/07	04/11/07
LN407-2450	Assembly Test Exit Sec	14	03/30/07	04/18/07
LN407-2460	Prepare Exit Sec Assembly & Support for Ship	6	04/19/07	04/26/07
LN407-2470	Pack Exit Sec Assembly and Support for Shipmen	6	04/27/07	05/04/07
LN407-2480	Transmit Exit Sec Design & Drawings to SLAC	6	05/07/07	05/14/07
LN407-2490	Develop Exit Sec Installation Plan	9	05/15/07	05/25/07
LN407-2000	Exit Section Assembly Summary	212	08/02/06	06/05/07
LN407-2500	Review Exit Sec Installation Plan	6	05/29/07	06/05/07



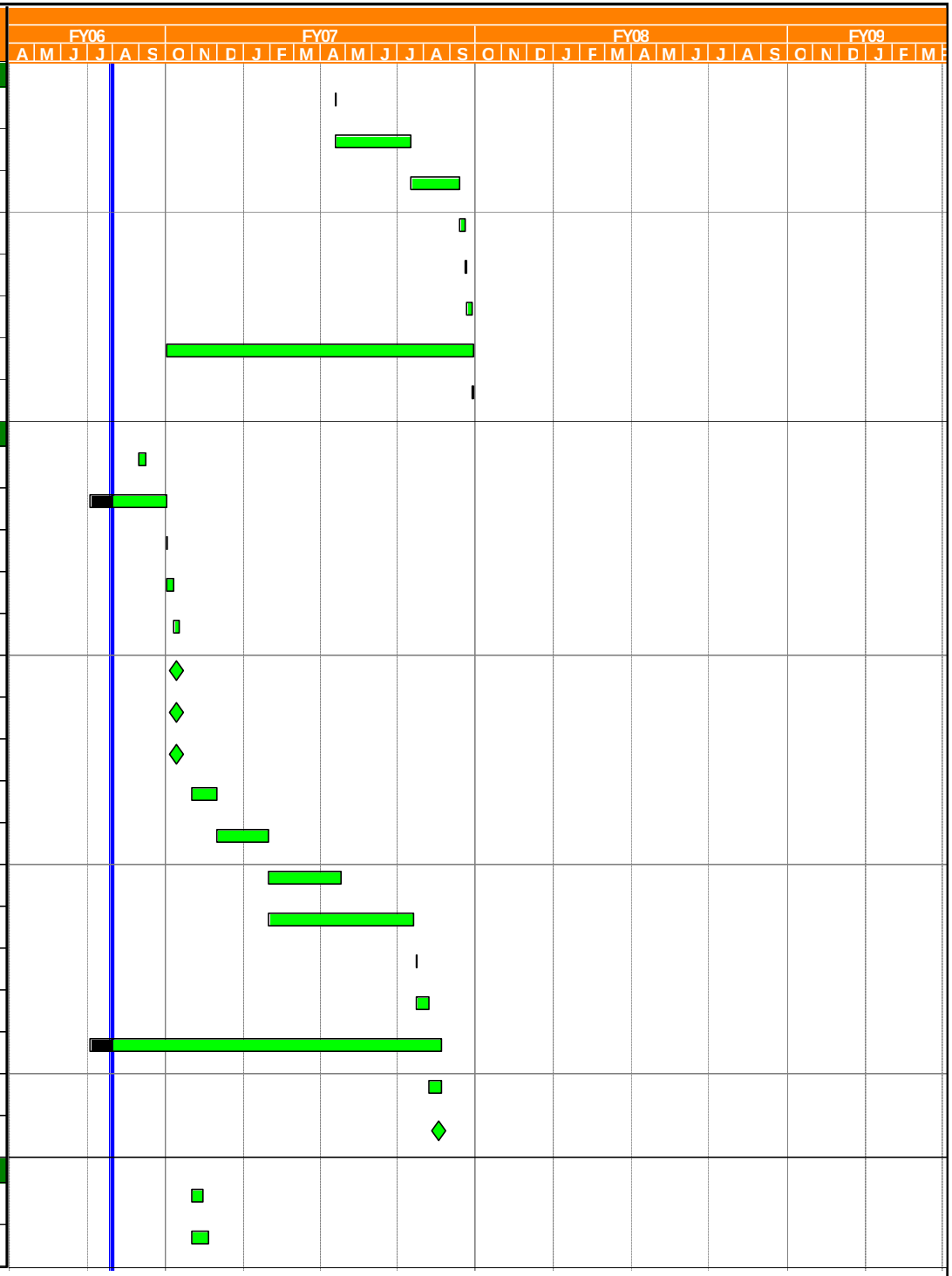
Activity ID	Activity Description	Orig Dur	Early Start	Early Finish
1.03.04.08				
LN408-0010	Engineering Study Cold Trap Requirement	60	10/02/06*	12/27/06
LN408-0020	Generate Cold Trap Specifications	20	12/28/06	01/26/07
LN408-0030	Purchase Cold Trap and Support	40	01/29/07	03/26/07
LN408-0040	Vendor Fabricate Cold Trap	80	03/27/07	07/18/07
LN408-0050	RCV: Cold Trap from Vendor	1	07/19/07	07/19/07
LN408-0060	Misc Materials Cold Trap	20	07/20/07	08/16/07
LN408-0070	Test & Process Cold Trap	40	07/20/07	09/14/07
LN408-0090	AVAIL: LTU/BSY Cold Trap for Install	0		09/14/07
LN408-0000	LTU/BSY COLD TRAP VACUUM SYSTEM SUMMARY	301	10/02/06	12/11/07
LN408-0080	Field Qualify Cold Trap (thru LTU Install)	60	09/17/07	12/11/07
1.03.05 Linac Electron Diagnostics Summary				
1.03.05.01 Wire Scanners (11) Summary				
LN501-0010	Post Process & Test	23*	08/01/06A	08/31/06
LN501-0020	AVAIL: Wire Scanners Ready for L01 Install	1	09/01/06	09/01/06
LN501-0030	AVAIL: Wire Scanners Ready for BC1 Install	1	09/01/06	09/01/06
LN501-0040	Prep Bid Pack - Wire Scanner	5	11/01/06*	11/07/06
LN501-0050	Release RFP - Wire Scanners	1	11/08/06	11/08/06
LN501-0060	Vendors Prep Proposal - Wire Scanners	20	11/09/06	12/08/06
LN501-0070	RCV: Proposals from Vendors	1	12/11/06	12/11/06
LN501-0140	AWARD: Contract for Supports BC2-L03-LTU	1	12/12/06	12/12/06
LN501-0080	Evaluate Vendor Proposals	5	12/12/06	01/02/07
LN501-0090	AWARD: Contract - Wire Scanners BC2-L03-LTU	1	01/03/07	01/03/07
LN501-0120	Procure Misc Materials - Wire Scanners	60	11/08/06	02/20/07
LN501-0160	Pocure Misc. Materials - Wire Scanner Support	60	12/13/06	03/23/07
LN501-0150	Vendor Fab Supports	80	12/13/06	04/20/07
LN501-0100	Vendor Fab Wire Scanner Components	80	01/04/07	04/27/07
LN501-0110	RCV: Wire Scanner Components from Vendor	1	04/30/07	04/30/07
LN501-0130	Component Fab & Assembley - Wire Scanners	1	05/01/07	05/01/07
LN501-0170	Perform Functional Testing - Wire Scanners	10	05/02/07	05/15/07



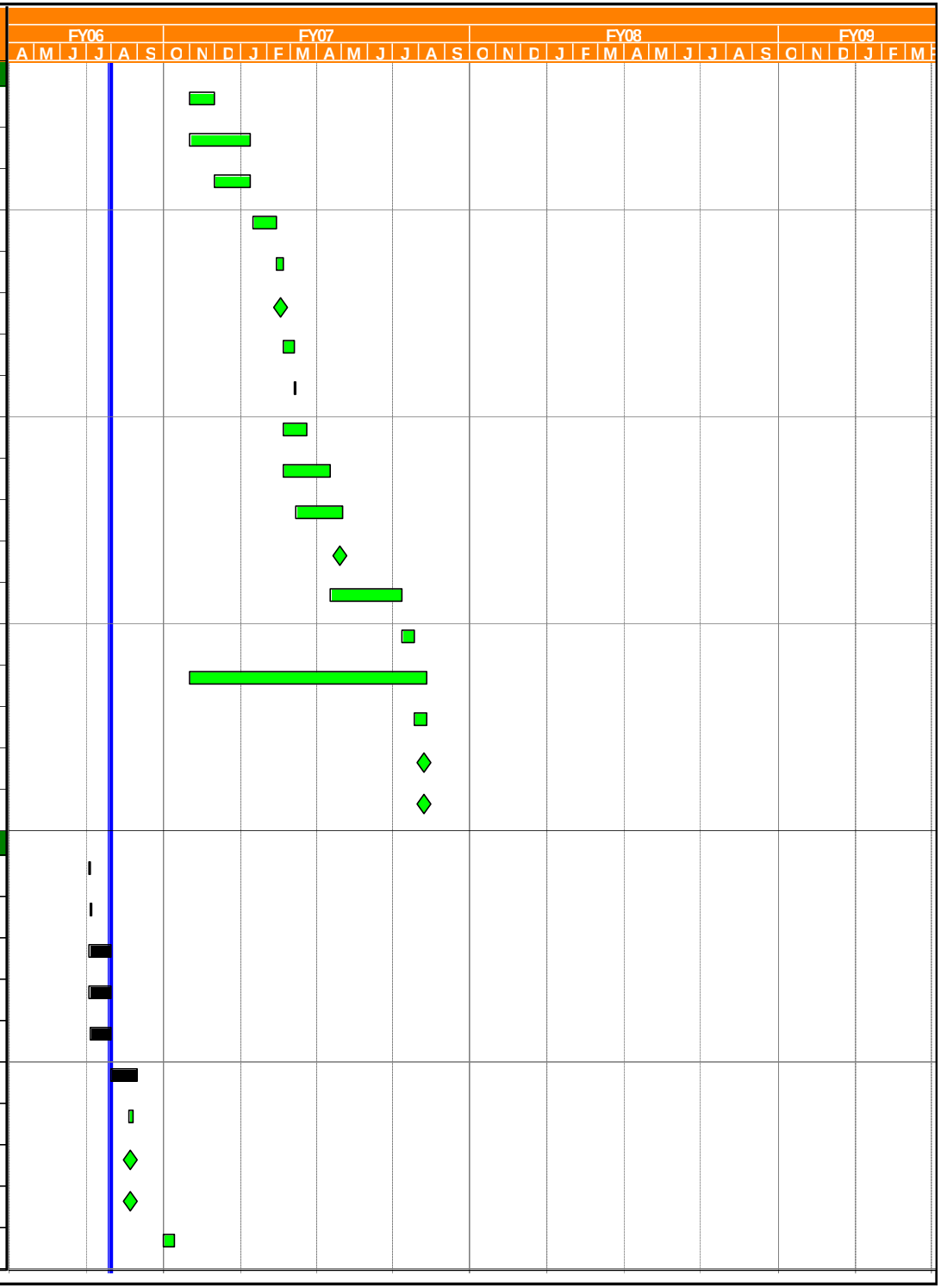
Activity ID	Activity Description	Orig Dur	Early Start	Early Finish
1.03.05.01 Wire Scanners (11) Summary				
LN501-0180	Post Process & Test	10	05/16/07	05/30/07
LN501-0000	WIRE SCANNERS (11) SUMMARY	201	08/01/06A	05/31/07
LN501-0190	AVAIL: Wire Scanners Ready for L02 Install	1	05/31/07	05/31/07
LN501-0200	AVAIL: Wire Scanners Ready for BC2 Install	1	05/31/07	05/31/07
LN501-0210	AVAIL: Wire Scanners Ready for L03 Install	1	05/31/07	05/31/07
LN501-0220	AVAIL: Wire Scanners Ready for LTU Install	1	05/31/07	05/31/07
1.03.05.02 Beam Position Monitors				
LN502-0030	Post Process & Test	5	07/05/06A	07/31/06A
LN502-4040	Procure Component Material - BPMs	20	07/05/06A	07/31/06A
LN502-0010	AVAIL: BPMs Ready for BC1 Install	0		08/31/06A
LN502-0000	STANDARD BPM (4) SUMMARY	20	07/05/06A	08/01/06
LN502-0020	AVAIL: BPMs Ready for L01 Install	0		08/01/06
LN502-4050	Component Fab & Assembly - BPMs	11*	08/01/06A	08/15/06
LN502-4060	Perform QC / Metrology	23*	08/01/06A	08/31/06
LN502-4010	Perform Functional Testing - BPMs	10*	09/01/06	09/15/06
LN502-4020	Post Process & Test	10	09/18/06	09/29/06
LN502-4000	BPM LARGE APERTURE (2) SUMMARY	63	07/05/06A	10/02/06
LN502-4030	AVAIL: LA BPM BC1/ BC2 Ready for Install	1	10/02/06	10/02/06
LN502-3010	Receive BPM Requirements	1	10/03/06	10/03/06
LN502-3020	Write ICD - Beam Path Monitor	4	10/04/06	10/09/06
LN502-3030	Collect Area Specific Requirements	5	10/10/06	10/16/06
LN502-3040	Produce Common Layout	20	10/17/06	11/13/06
LN502-3050	Develop General Specifications / Analysis	5	11/14/06	11/20/06
LN502-3060	Create / Remodel / Revise Dsn Documentation	30	11/21/06	01/19/07
LN502-3070	Design Check	40	01/22/07	03/19/07
LN502-3080	Write Component Traveler	10	03/20/07	04/02/07
LN502-3090	Conduct Prelim Design Review (PDR) - FFTB BPMs	1	04/03/07	04/03/07
LN502-3100	Generate Detailed Procurement Plan	10	04/04/07	04/17/07
LN502-3110	Conduct Final Design Review (FDR) - FFTB BPMs	1	04/18/07	04/18/07



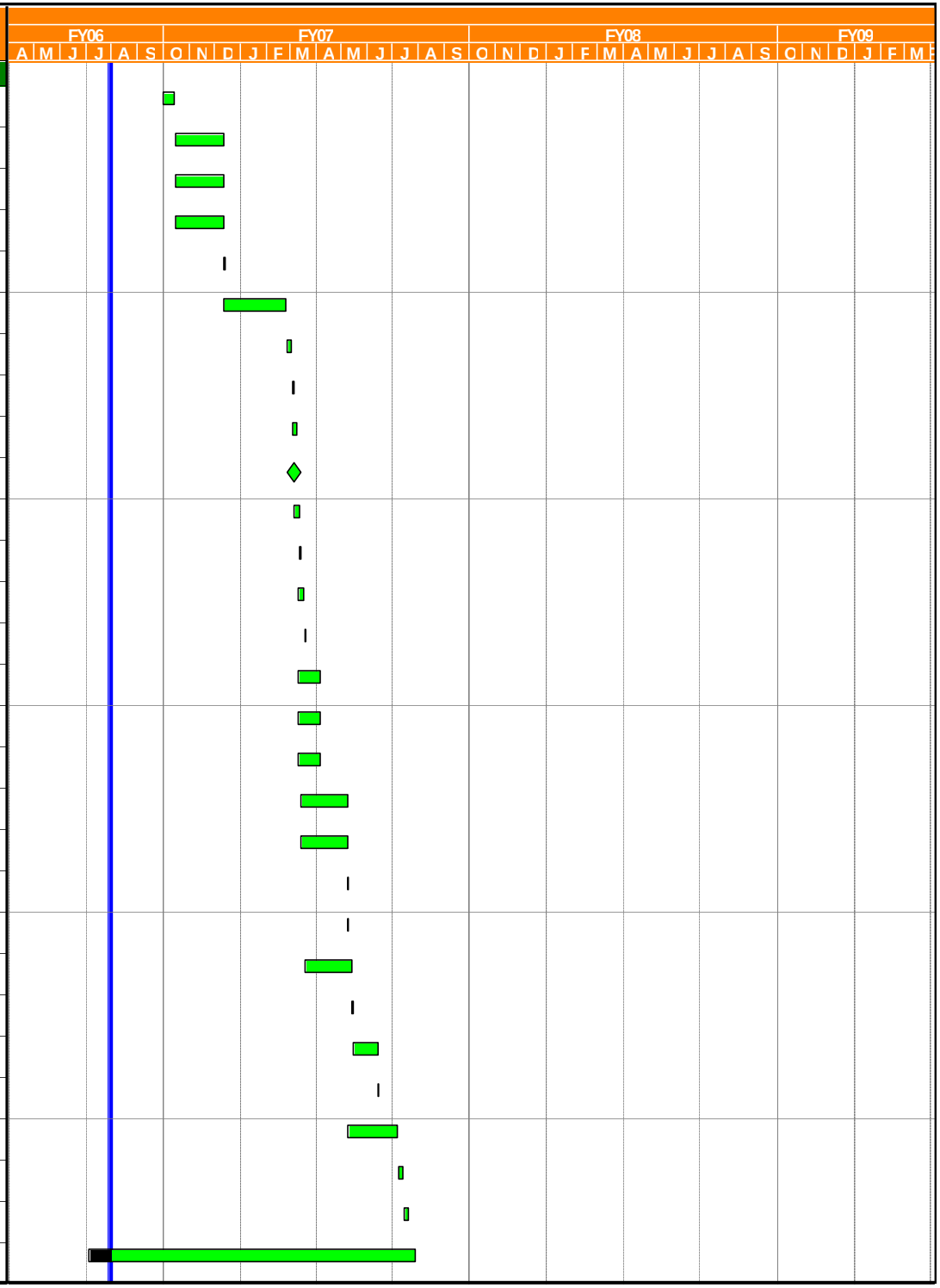
Activity ID	Activity Description	Orig Dur	Early Start	Early Finish
1.03.05.02 Beam Position Monitors				
LN502-3120	COMP: BPM Design - FFTB	1	04/19/07	04/19/07
LN502-3130	Procure Component Material - BPMs	60	04/20/07	07/16/07
LN502-3140	Component Fab & Assembly - BPMs	40	07/17/07	09/11/07
LN502-3150	Perform QC / Metrology	5	09/12/07	09/18/07
LN502-3160	Perform Functional Testing - BPMs	2	09/19/07	09/20/07
LN502-3170	Post Process & Test	5	09/21/07	09/27/07
LN502-3000	BPM - FFTB (12) SUMMARY	250	10/03/06	09/28/07
LN502-3180	AVAIL: FFTB BPMs Ready for Install	1	09/28/07	09/28/07
1.03.05.03 Toroid Beam Current Monitor (10) Summary				
LN503-0050	Coat Toroid Ceramic	5	09/01/06*	09/08/06
LN503-0040	Vendor Fab Toroids	63*	07/05/06A	10/02/06
LN503-0060	Receive Toroids	1	10/03/06	10/03/06
LN503-0070	Perform Functional Testing - Toroids	5	10/04/06	10/10/06
LN503-0080	Post Process & Test	5	10/11/06	10/17/06
LN503-0010	AVAIL: Toroids Ready for BC1 Install	0		10/17/06
LN503-0020	AVAIL: Toroids Ready for BC2 Install	0		10/17/06
LN503-0030	AVAIL: Toroids Ready for LTU Install	0		10/17/06
LN503-0090	Generate Dump Toroid Specification	20	11/01/06*	11/30/06
LN503-0100	Purchase Dump Toroid	40	12/01/06	01/30/07
LN503-0120	Coat Dump Toroid Ceramic	60	01/31/07	04/25/07
LN503-0110	Vendor Fab Dump Toroid	120	01/31/07	07/20/07
LN503-0130	Receive Dump Toroid	1	07/23/07	07/23/07
LN503-0140	Perform Functional Testing Dump Toroid	10	07/24/07	08/06/07
LN503-0000	TOROID BEAM CURRENT MONITOR (10)SUMMARY	287	07/05/06A	08/22/07
LN503-0150	Post Process & Test Dump Toroid	12	08/07/07	08/22/07
LN503-0160	AVAIL: Dump Toroid for Install	0		08/22/07
1.03.05.04 Beam Stoppers (4) Summary				
LN504-0040	Develop General Specifications / Analysis	10	11/01/06	11/14/06
LN504-0030	Produce Common Layout	15	11/01/06*	11/21/06



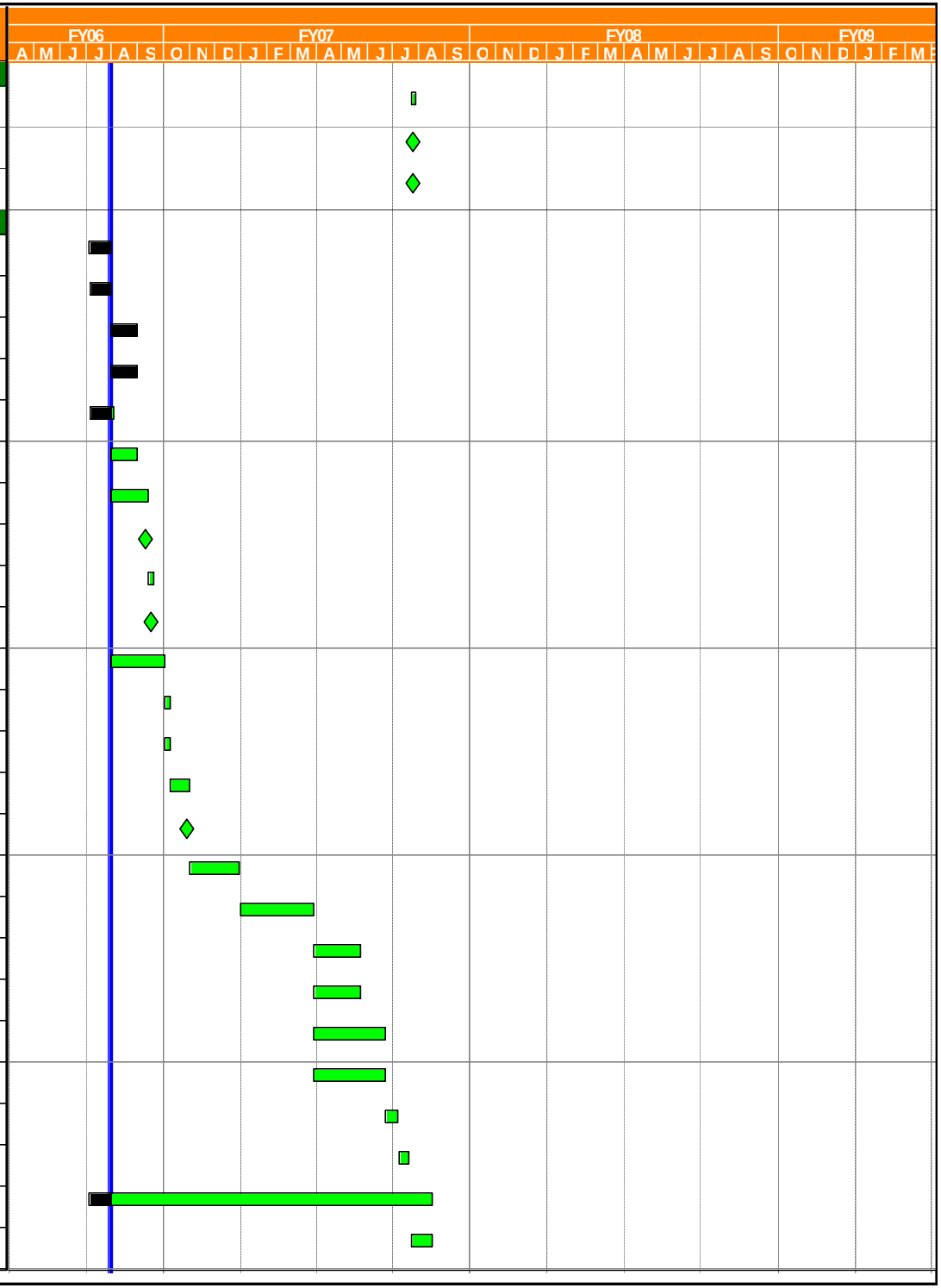
Activity ID	Activity Description	Orig Dur	Early Start	Early Finish
1.03.05.04 Beam Stoppers (4) Summary				
LN504-0060	Design Check	20	11/01/06	11/30/06
LN504-0050	Create / Remodel / Revise Dsn Documentation	40	11/01/06	01/12/07
LN504-0070	Write Component Traveler	20	12/01/06	01/12/07
LN504-0080	Generate Detailed Procurement Plan	20	01/16/07	02/12/07
LN504-0090	Conduct Stoppers FDR	5	02/13/07	02/20/07
LN504-0100	COMP: Stopper Design	0		02/20/07
LN504-0170	Prep Bid Pak - Diagnostics Supports	10	02/21/07	03/06/07
LN504-0180	AWARD: Contract for Supports BC2-LTU	1	03/07/07	03/07/07
LN504-0210	Procure Misc Materials - Diagnostics Supports	20	02/21/07	03/20/07
LN504-0110	Procure Component Material - Stoppers	40	02/21/07	04/17/07
LN504-0190	Vendor Fab 1st Lot - Supports	40	03/08/07	05/02/07
LN504-0200	RCV: Supports from Vendor	0		05/02/07
LN504-0120	Component Fab & Assembly - Stoppers	60	04/18/07	07/12/07
LN504-0130	Perform Functional Testing - Stoppers	10	07/13/07	07/26/07
LN504-0000	BEAM STOPPER (4) SUMMARY	194	11/01/06	08/09/07
LN504-0140	Post Process & Test	10	07/27/07	08/09/07
LN504-0150	AVAIL: Stoppers Ready for BC2 Install	0		08/09/07
LN504-0160	AVAIL: Stoppers Ready for LTU Install	0		08/09/07
1.03.05.05 Profile Monitors (7 OTR-3 PHOSPHOR SCREEN-1 YAG)				
LN505-0070	AWARD: Contract for Supports BC1,BC2	1	07/05/06A	07/05/06A
LN505-0100	AVAIL: Supts Ready for BC1, BC2 Instl	1	07/07/06A	07/07/06A
LN505-0010	Component Fab & Assembly - Profile Monitors	20	07/05/06A	07/31/06A
LN505-0020	Perform QC / Metrology	20	07/05/06A	07/31/06A
LN505-0090	Assemble Supports	20	07/06/06A	07/31/06A
LN505-0030	Perform Functional Testing - Profile Monitors	5	08/01/06A	08/31/06A
LN505-0040	Post Process & Test	5*	08/21/06*	08/25/06
LN505-0050	AVAIL: Profile Monitors Ready for BC1 Install	0		08/25/06
LN505-0060	AVAIL: Profile Monitors Ready for BC2 Install	0		08/25/06
LN505-0110	Develop General Specifications / Analysis	10	10/02/06*	10/13/06



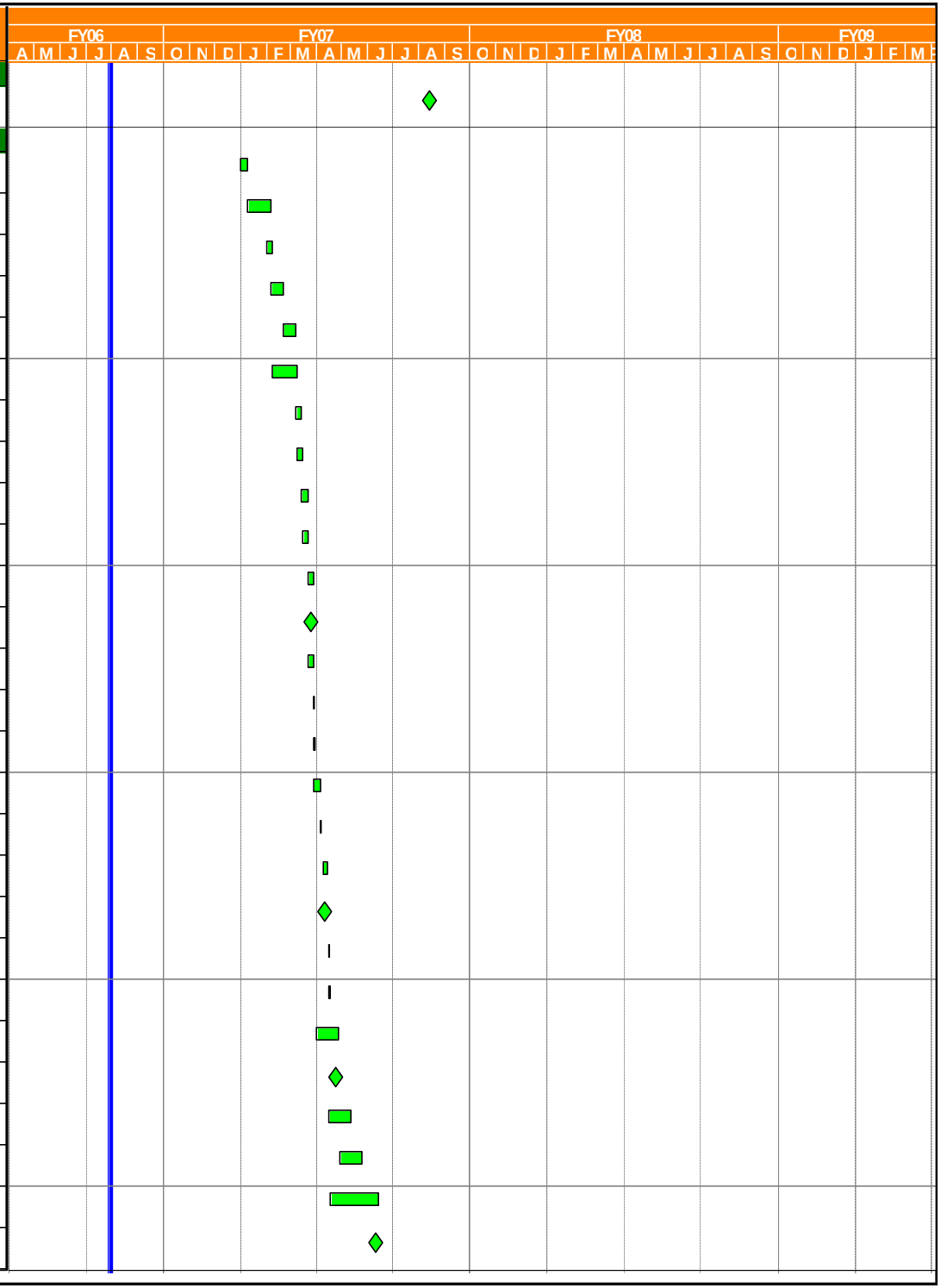
Activity ID	Activity Description	Orig Dur	Early Start	Early Finish
1.03.05.05 Profile Monitors (7 OTR-3 PHOSPHOR SCREEN-1 YAG)				
LN505-0120	Create / Remodel / Revise Dsn Documentation	10	10/02/06	10/13/06
LN505-0130	Design YAG Screen Option	40	10/16/06	12/12/06
LN505-0140	Design Phosphor Screen Option	40	10/16/06	12/12/06
LN505-0150	Design OTR Screen Options	40	10/16/06	12/12/06
LN505-0170	Write Component Traveler	1	12/13/06	12/13/06
LN505-0160	Design Check	40	12/13/06	02/23/07
LN505-0180	Conduct Profile Monitors PDR	5	02/26/07	03/02/07
LN505-0190	Generate Detailed Procurement Plan	1	03/05/07	03/05/07
LN505-0200	Conduct Profile Monitors FDR	5	03/05/07	03/09/07
LN505-0210	COMP: Profile Monitors Design	0		03/09/07
LN505-0220	Prep Bid Pak - Profile Monitors	5	03/06/07	03/12/07
LN505-0230	AWARD: Contract - Profile Monitor L03-LTU	1	03/13/07	03/13/07
LN505-0370	Prep Bid Bak - Supports	5	03/12/07	03/16/07
LN505-0380	AWARD: Contract for Supports L03-LTU	1	03/19/07	03/19/07
LN505-0280	Procure Profile Monitor Components	20	03/12/07	04/06/07
LN505-0290	Procure Component Material - Profile Monitors	20	03/12/07	04/06/07
LN505-0360	Procure Misc Materials - Diagnostics Supports	20	03/12/07	04/06/07
LN505-0240	Vendor Fab L03-LTU	40	03/14/07	05/08/07
LN505-0260	Vendor Fab Remaining Lot	40	03/14/07	05/08/07
LN505-0250	RCV: Profile Monitors 1st Lot	1	05/09/07	05/09/07
LN505-0270	RCV: Profile Monitors Final Lot	1	05/09/07	05/09/07
LN505-0390	Vendor Fab L03-LTU Suports	40	03/20/07	05/14/07
LN505-0400	RCV: Supports from Vendor	1	05/15/07	05/15/07
LN505-0410	Assemble Supports	20	05/16/07	06/13/07
LN505-0420	AVAIL: Supts Ready for L03, LTU Instl	1	06/14/07	06/14/07
LN505-0300	Component Fab & Assembly - Profile Monitors	40	05/10/07	07/06/07
LN505-0310	Perform QC / Metrology	5	07/09/07	07/13/07
LN505-0320	Perform Functional Testing - Profile Monitors	5	07/16/07	07/20/07
LN505-0000	PROFILE MONITORS SUMMARY	269	07/05/06A	07/27/07



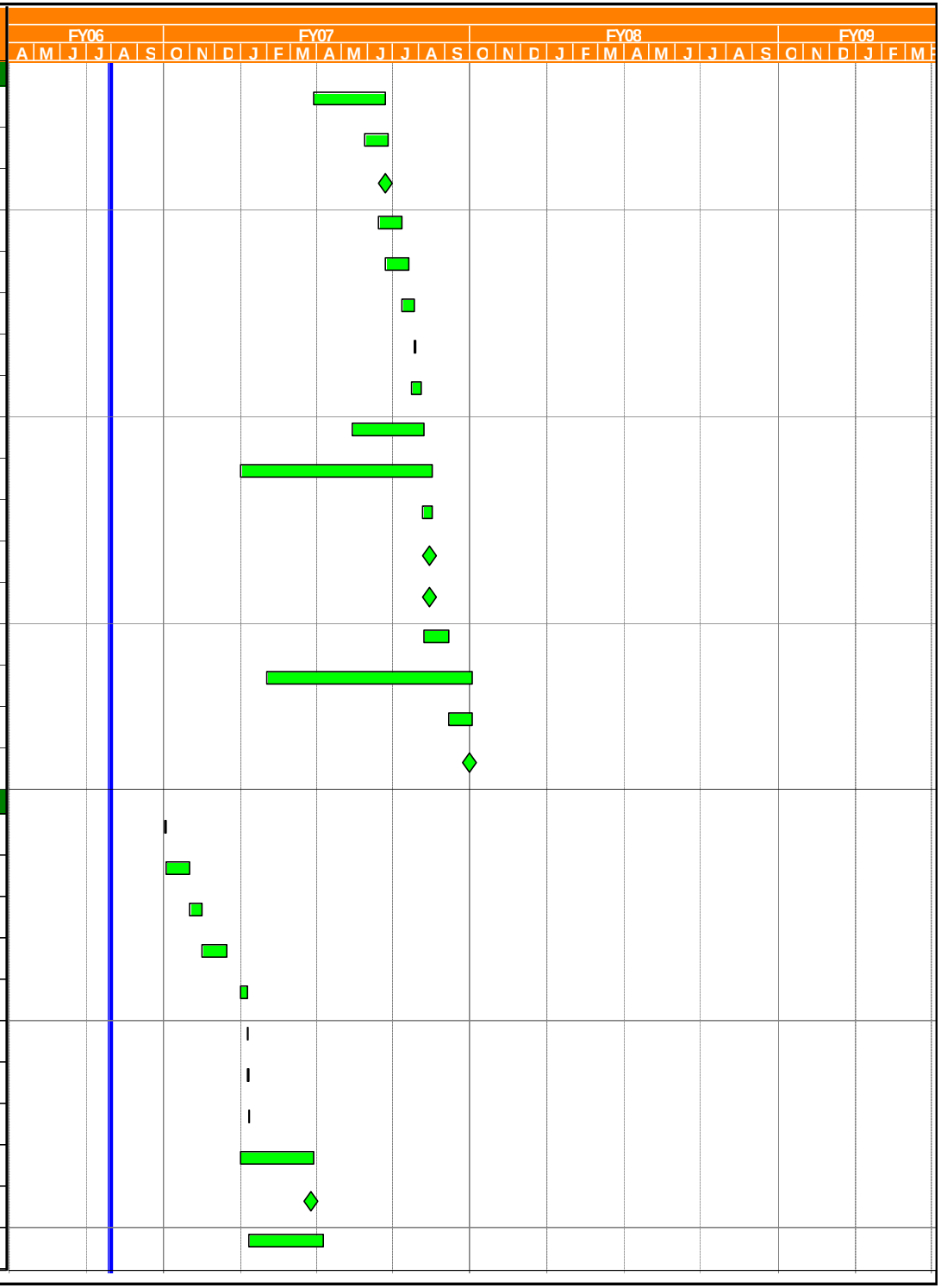
Activity ID	Activity Description	Orig Dur	Early Start	Early Finish
1.03.05.05 Profile Monitors (7 OTR-3 PHOSPHOR SCREEN-1 YAG)				
LN505-0330	Post Process & Test	5	07/23/07	07/27/07
LN505-0340	AVAIL: Profile Monitors Ready for L03 Install	0		07/27/07
LN505-0350	AVAIL: Profile Monitors Ready for LTU Install	0		07/27/07
1.03.05.07 CSR/OTR/CTR Bunch Length Monitors (5) Summary				
LN507-0010	Conduct B/L Monitors FDR	1	07/05/06A	07/31/06A
LN507-0250	Procure Component Material - Bunch Length Mon	20	07/06/06A	07/31/06A
LN507-0080	Prep Bid Pak - Diagnostics Supports	11	08/01/06A	08/31/06A
LN507-0090	AWARD: Contract for Diagnostics Supports	1	08/01/06A	08/31/06A
LN507-0260	Component Fab & Assembly - Bunch Length Monit	20*	07/07/06A	08/03/06
LN507-0120	Procure Misc Materials - Diagnostics Supports	22*	08/01/06A	08/30/06
LN507-0100	Vendor Fab 1st Lot - Supports	30*	08/01/06A	09/12/06
LN507-0110	RCV: 1st Lot of Supports	0		09/12/06
LN507-0130	Assemble Supports	5	09/13/06	09/19/06
LN507-0140	AVAIL: Supports Ready for BC1 Install	0		09/19/06
LN507-0030	Perform QC / Metrology	44*	08/01/06A	10/02/06
LN507-0040	Perform Functional Testing - Bunch Length Mon	5	10/03/06	10/09/06
LN507-0050	Collect Component Performance Data	5	10/03/06	10/09/06
LN507-0060	Post Process & Test	16*	10/10/06	10/31/06
LN507-0070	AVAIL: Bnch Length Monitors Ready for BC1 Instl	0		10/31/06
LN507-0150	BL21 Develop Specifications/Analysis	40	11/01/06*	12/29/06
LN507-0160	BL21 Engineering & Design	60	01/02/07	03/28/07
LN507-0170	BL21 Materials & Hardware	40	03/29/07	05/23/07
LN507-0200	BL21 Fabricate Supports	40	03/29/07	05/23/07
LN507-0180	BL21 Fabrication Vacuum Assembly	60	03/29/07	06/21/07
LN507-0190	BL21 Fabrcation Optics Assembly	60	03/29/07	06/21/07
LN507-0210	BL21 QC/Fiducialization	10	06/22/07	07/06/07
LN507-0220	BL21 Vacuum Prep	10	07/09/07	07/20/07
LN507-0000	CSR/OTR/CTR BLM (5) SUMMARY	284	07/05/06A	08/17/07
LN507-0230	BL21 Testing	20	07/23/07	08/17/07



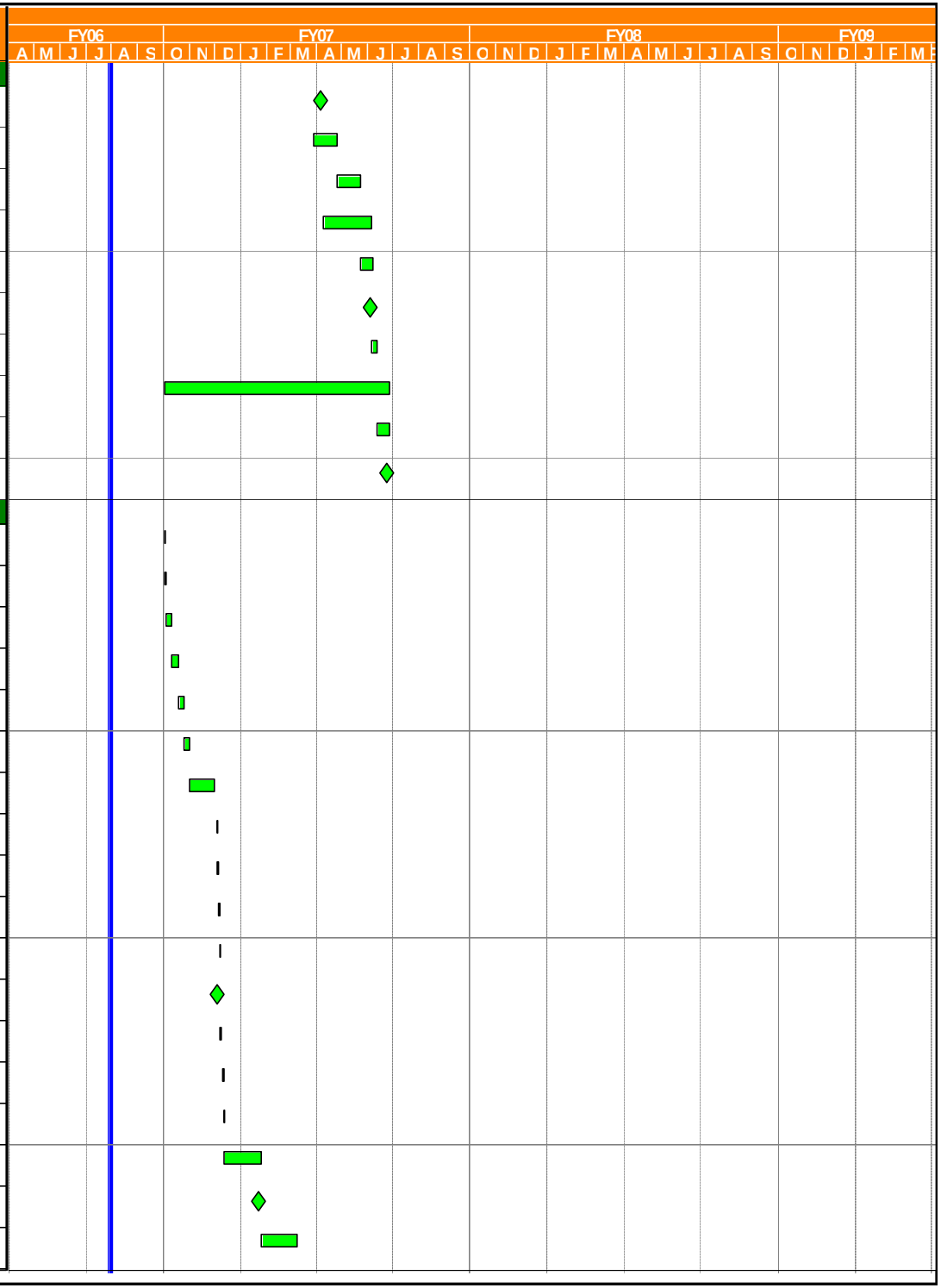
Activity ID	Activity Description	Orig Dur	Early Start	Early Finish
1.03.05.07 CSR/OTR/CTR Bunch Length Monitors (5) Summary				
LN507-0240	AVAIL: BL21 for BC2 Install	0		08/17/07
1.03.05.08 Beam Loss Monitors				
LN508-1010	Write ICD - Beam Loss Monitor	5	01/02/07*	01/08/07
LN508-1020	Produce Common Layout	20	01/09/07	02/06/07
LN508-2010	Write ICD - Beam Loss Monitor	5	02/01/07*	02/07/07
LN508-1030	Develop General Specifications / Analysis	10	02/07/07	02/21/07
LN508-1040	Revise Design Documentation	10	02/22/07	03/07/07
LN508-2020	Produce Common Layout	20	02/08/07	03/08/07
LN508-1050	Write Component Traveler	5	03/08/07	03/14/07
LN508-2030	Develop General Specifications / Analysis	5	03/09/07	03/15/07
LN508-1060	Generate Detailed Procurement Plan	5	03/15/07	03/21/07
LN508-2040	Revise Design Documentation	5	03/16/07	03/22/07
LN508-1070	Conduct Beam Loss Monitors FDR	5	03/22/07	03/28/07
LN508-1080	COMP: Beam Loss Monitors Design	0		03/28/07
LN508-2050	Write Component Traveler	5	03/23/07	03/29/07
LN508-1150	Prep Bid Pak - Diagnostics Supports	1	03/29/07	03/29/07
LN508-1160	AWARD: Contrct for Diagnostics Supports	1	03/30/07	03/30/07
LN508-2060	Conduct Beam Loss Monitors PDR	5	03/30/07	04/05/07
LN508-2070	Generate Detailed Procurement Plan	1	04/06/07	04/06/07
LN508-2080	Conduct Beam Loss Monitors FDR	5	04/09/07	04/13/07
LN508-2090	COMP: Beam Loss Monitor Design	0		04/13/07
LN508-2150	Prep Bid Pak - Diagnostics Supports	1	04/16/07	04/16/07
LN508-2160	AWARD: Contract for Diagnostics Supports	1	04/17/07	04/17/07
LN508-1170	Vendor Fab Supports	20	04/02/07	04/27/07
LN508-1180	RCV: Diagnostics Supports from Vendor	0		04/27/07
LN508-2100	Procure Component Material - Beam Loss Monitors	20	04/16/07	05/11/07
LN508-1190	Procure Misc Materials - Diagnostics Supports	20	04/30/07	05/25/07
LN508-2170	Vendor Fab Supports	40	04/18/07	06/13/07
LN508-2180	RCV: Diagnostics Support from Vendor	0		06/13/07



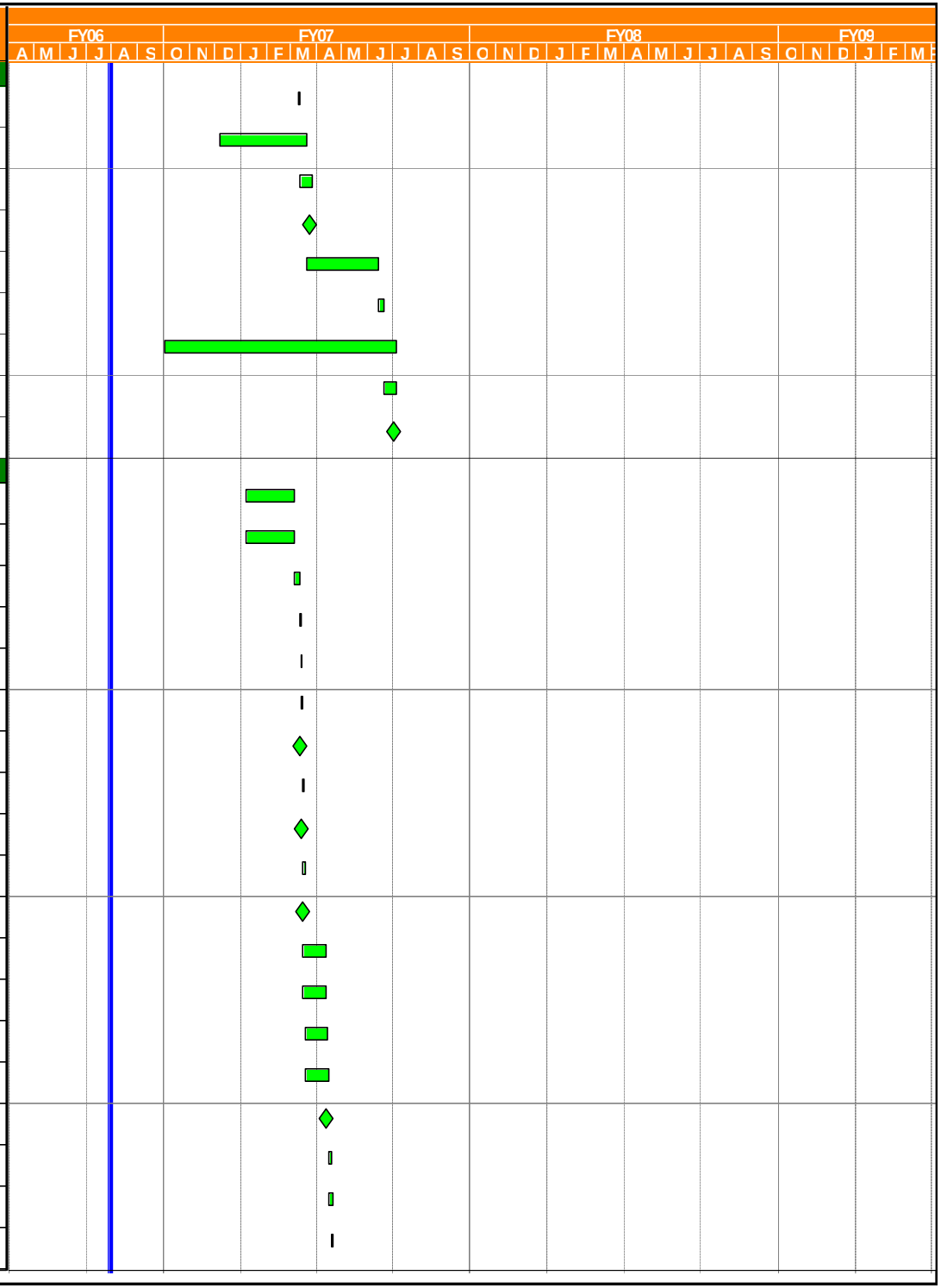
Activity ID	Activity Description	Orig Dur	Early Start	Early Finish
1.03.05.08 Beam Loss Monitors				
LN508-1090	Procure Component Material - Beam Loss Monitors	60	03/29/07	06/21/07
LN508-1200	Assemble Supports	20	05/29/07	06/25/07
LN508-1210	AVAIL: Supports Ready for L03, LTU Instl	0		06/25/07
LN508-2190	Procure Misc Materials - Diagnostics Supports	20	06/14/07	07/12/07
LN508-1100	Component Fab & Assembly - Beam Loss Monitors	20	06/22/07	07/20/07
LN508-2200	Assemble Supports	10	07/13/07	07/26/07
LN508-2210	AVAIL: Supports Ready for LTU Instl	1	07/27/07	07/27/07
LN508-1110	Perform Functional Testing - Beam Loss Monito	10	07/23/07	08/03/07
LN508-2110	Component Fab & Assembly - Beam Loss Monitors	60	05/14/07	08/07/07
LN508-1000	PIC BLM (10) SUMMARY	160	01/02/07	08/17/07
LN508-1120	Post Process & Test	10	08/06/07	08/17/07
LN508-1130	AVAIL: Bm Loss Monitor (PIC) Ready for L03 Instl	0		08/17/07
LN508-1140	AVAIL: Bm Loss Monitor (PIC) Ready for LTU Instl	0		08/17/07
LN508-2120	Perform Functional Testing - Beam Loss Monito	20	08/08/07	09/05/07
LN508-2000	PLIC BLM (4) SUMMARY	171	02/01/07	10/03/07
LN508-2130	Post Process & Test	20	09/06/07	10/03/07
LN508-2140	AVAIL: Bm Loss Monitor(PLIC) Ready for LTU Instl	0		10/03/07
1.03.05.09 Single Beam Dump (1) Summary				
LN509-0010	Write ICD - Single Beam Dump	2	10/03/06	10/04/06
LN509-0020	Produce Common Layout	20	10/05/06	11/01/06
LN509-0030	Develop General Specifications / Analysis	10	11/02/06	11/15/06
LN509-0040	Create / Remodel / Revise Dsn Documentation	20	11/16/06	12/15/06
LN509-0060	Write Component Traveler	5	01/02/07	01/08/07
LN509-0070	Generate Detailed Procurement Plan	1	01/09/07	01/09/07
LN509-0130	Prep Bid Pak - Diagnostics Supports	1	01/10/07	01/10/07
LN509-0140	AWARD: Contract for Daignostics Supports	1	01/11/07	01/11/07
LN509-0050	Design Check	60	01/02/07	03/28/07
LN509-0080	COMP: Single Beam Dump Design	0		03/28/07
LN509-0150	Vendor Fab Supports	60	01/12/07	04/09/07



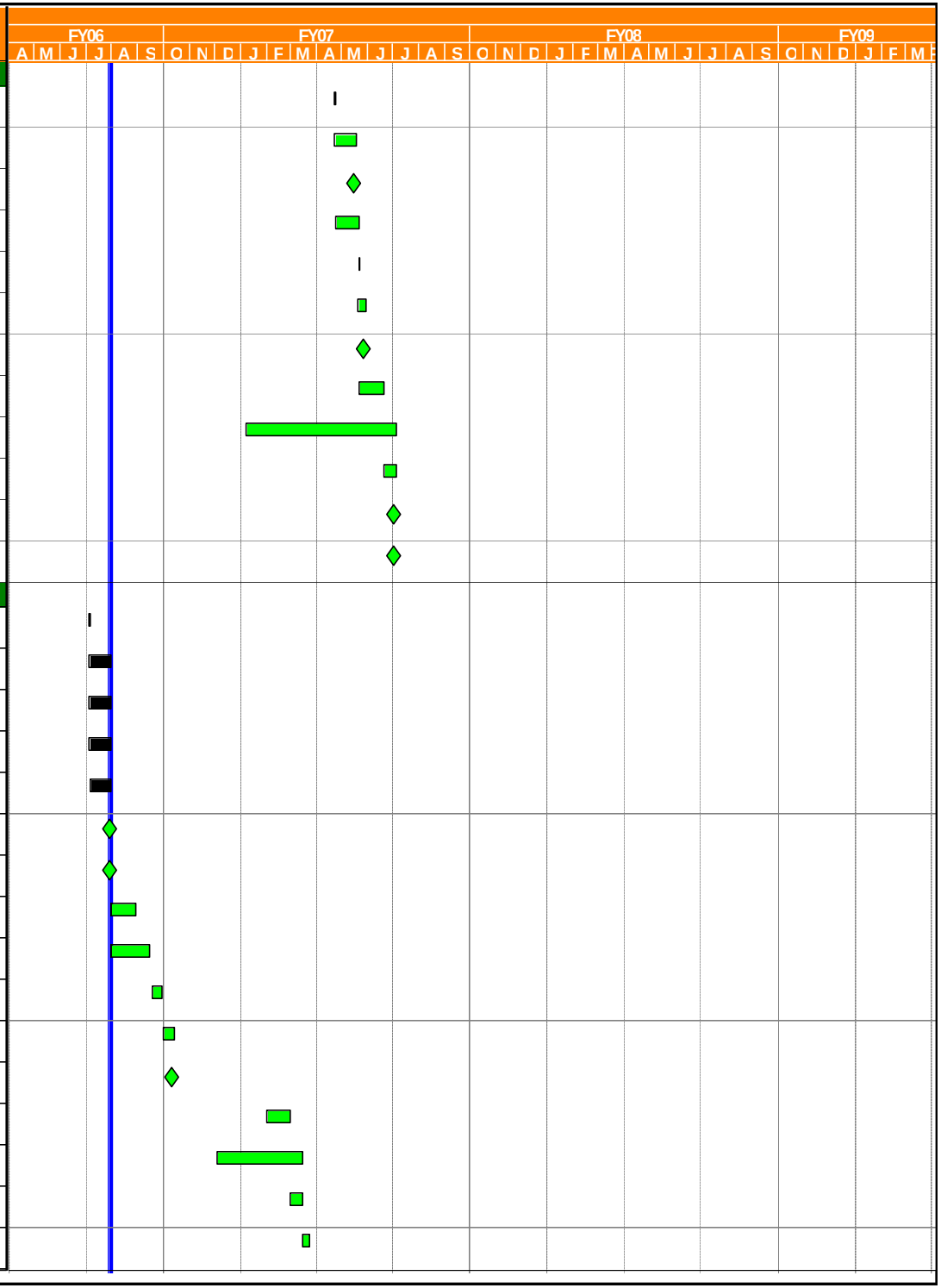
Activity ID	Activity Description	Orig Dur	Early Start	Early Finish
1.03.05.09 Single Beam Dump (1) Summary				
LN509-0160	RCV: Diagnostics Supports from Vendor	0		04/09/07
LN509-0090	Procure Component Material - Single Beam Dump	20	03/29/07	04/25/07
LN509-0100	Component Fab & Assembly - Single Beam Dump	20	04/26/07	05/23/07
LN509-0170	Procure Misc Materials - Diagnostics Supports	40	04/10/07	06/05/07
LN509-0110	Post Process & Test	10	05/24/07	06/07/07
LN509-0120	AVAIL: Single Beam Dump Ready for LTU Install	0		06/07/07
LN509-0180	Perform QC & Inspection - Diagnostic Supports	5	06/06/07	06/12/07
LN509-0000	SINGLE BEAM DUMP (1) SUMMARY	184	10/03/06	06/26/07
LN509-0190	Assemble Supports	10	06/13/07	06/26/07
LN509-0200	AVAIL: Supports Ready for LTU Installation	0		06/26/07
1.03.05.10 Electron Beam Dump (1) Summary				
LN510-0010	Receive Electron Beam Dump Requirements	1	10/03/06	10/03/06
LN510-0020	Write ICD - Electron Beam Dump	1	10/04/06	10/04/06
LN510-0030	Collect Area Specific Requirements	5	10/05/06	10/11/06
LN510-0040	Engineering Analysis	5	10/12/06	10/18/06
LN510-0050	Produce Common Layout	5	10/19/06	10/25/06
LN510-0060	Develop General Specifications / Analysis	5	10/26/06	11/01/06
LN510-0070	Create / Remodel / Revise Dsn Documentation	20	11/02/06	12/01/06
LN510-0080	Write Component Traveler	1	12/04/06	12/04/06
LN510-0090	Conduct Electron Beam Dump PDR	1	12/05/06	12/05/06
LN510-0100	Generate Detailed Procurement Plan	1	12/06/06	12/06/06
LN510-0110	Conduct Electron Beam Dump FDR	1	12/07/06	12/07/06
LN510-0120	COMP: Electron Beam Dump Design	0		12/07/06
LN510-0180	Prep Bid Pak - Diagnostics Supports	1	12/08/06	12/08/06
LN510-0190	Evaluate Vendor Proposals - Supports	1	12/11/06	12/11/06
LN510-0200	AWARD: Contract for Diagnostics Supports	1	12/12/06	12/12/06
LN510-0210	Vendor Fab Diagnostics Supports	20	12/13/06	01/25/07
LN510-0220	RCV: Daignostics Support from Vendor	0		01/25/07
LN510-0230	Procure Misc Materials - Diagnostics Supports	30	01/26/07	03/09/07



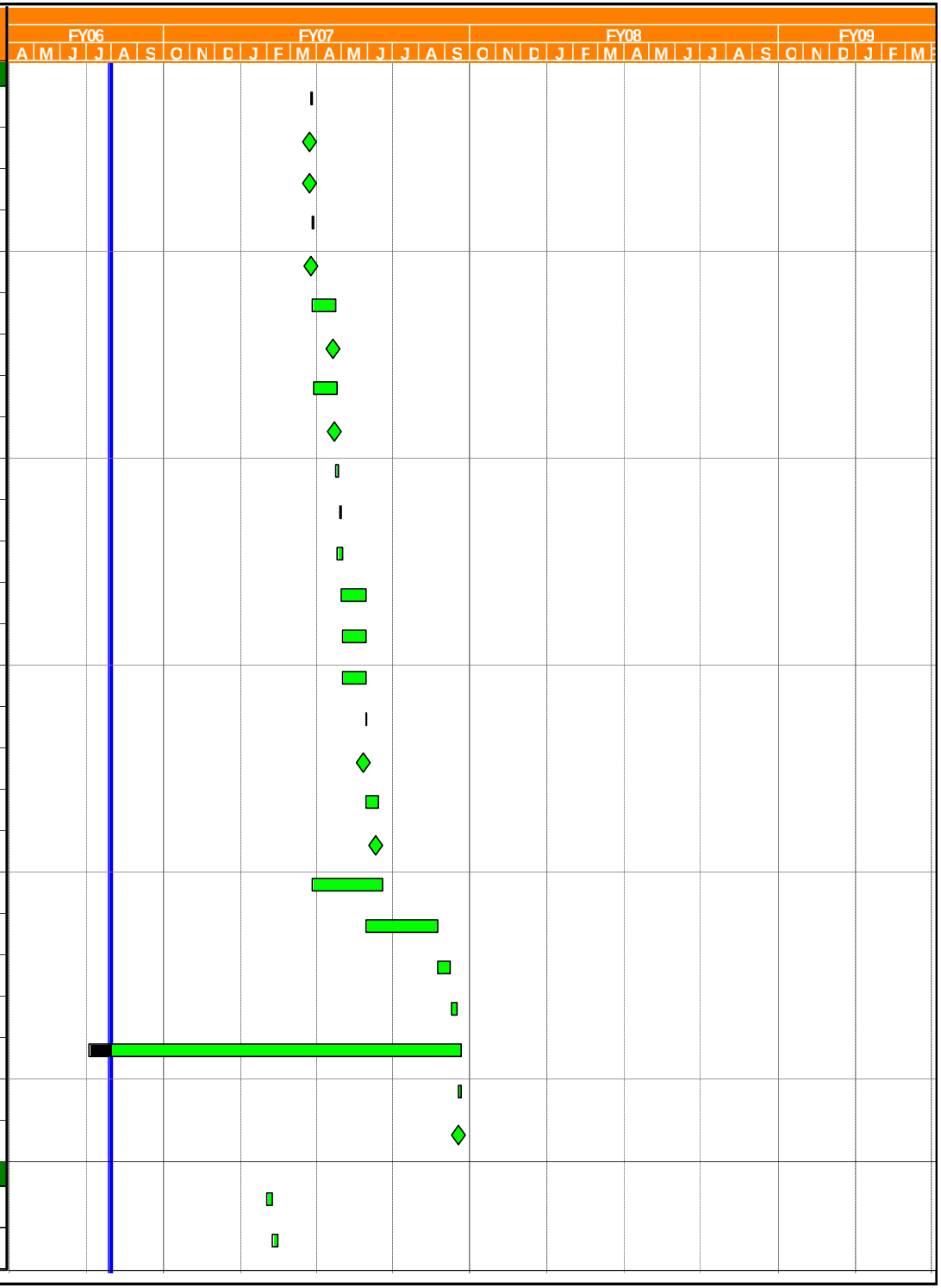
Activity ID	Activity Description	Orig Dur	Early Start	Early Finish
1.03.05.10 Electron Beam Dump (1) Summary				
LN510-0240	Perform QC & Inspection - Diagnostic Supports	1	03/12/07	03/12/07
LN510-0130	Procure Component Material - Electron Beam Dump	60	12/08/06	03/20/07
LN510-0250	Assemble Supports	10	03/13/07	03/26/07
LN510-0260	AVAIL: Supports Ready for Installation	0		03/26/07
LN510-0140	Component Fab & Assembly - Electron Beam Dump	60	03/21/07	06/13/07
LN510-0150	Perform QC / Metrology	5	06/14/07	06/20/07
LN510-0000	ELECTRON BEAM DUMP (1) SUMMARY	190	10/03/06	07/05/07
LN510-0160	Post Process & Test	10	06/21/07	07/05/07
LN510-0170	AVAIL: Electron Beam Dump Ready for LTU Instl	0		07/05/07
1.03.05.11 Protection Collimators (5) Summary				
LN511-0010	Create / Remodel / Revise Dsn Documentation	40	01/08/07	03/06/07
LN511-0020	Design Check	40	01/08/07	03/06/07
LN511-0030	Write Component Traveler	4	03/07/07	03/12/07
LN511-0040	Conduct Protection Collimator PDR	1	03/13/07	03/13/07
LN511-0050	Generate Detailed Procurement Plan	1	03/14/07	03/14/07
LN511-0060	Conduct Protection Collimator FDR	1	03/15/07	03/15/07
LN511-0070	COMP: Protection Collimator Design	0		03/15/07
LN511-0210	Prep Bid Pak - Diagnostics Supports	1	03/16/07	03/16/07
LN511-0220	RELEASE: RFP - Diagnostics Supports	0		03/16/07
LN511-0080	Prep Bid Pak - Protection Collimator	2	03/16/07	03/19/07
LN511-0090	RELEASE: RFP - Protection Collimators	0		03/19/07
LN511-0160	Procure Component Material - Protection Collimat	20	03/16/07	04/12/07
LN511-0280	Procure Misc Materials - Diagnostics Supports	20	03/16/07	04/12/07
LN511-0230	Vendors Prep Proposals - Supports	20	03/19/07	04/13/07
LN511-0100	Vendors Prep Proposals - Protection Collimator	20	03/20/07	04/16/07
LN511-0110	RCV: Proposals from Vendors	0		04/16/07
LN511-0240	Evaluate Vendor Proposals - Supports	4	04/16/07	04/19/07
LN511-0120	Evaluate Vendor Proposals	4	04/17/07	04/20/07
LN511-0250	AWARD: Contract for Supports	1	04/20/07	04/20/07



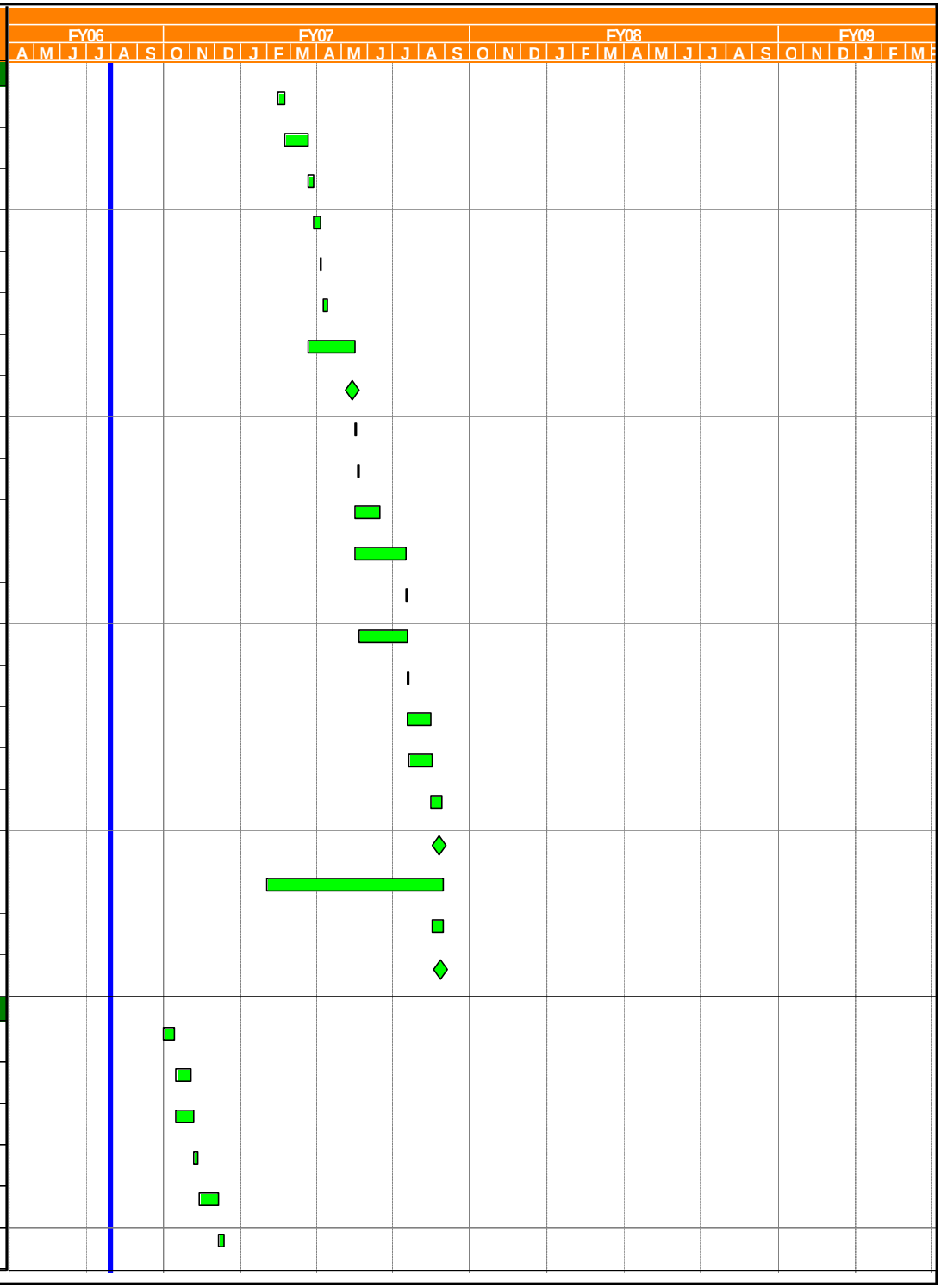
Activity ID	Activity Description	Orig Dur	Early Start	Early Finish
1.03.05.11 Protection Collimators (5) Summary				
LN511-0130	AWARD: Contract - Protection Collimator	1	04/23/07	04/23/07
LN511-0260	Vendor Fab 1st Lot - Supports	20	04/23/07	05/18/07
LN511-0270	RCV: 1st Lot Diagnostics Supports from Vendor	0		05/18/07
LN511-0140	Vendor Fab 1st Lot	20	04/24/07	05/21/07
LN511-0150	RCV: 1st Lot Diagnostics Equip from Vendor	1	05/22/07	05/22/07
LN511-0290	Assemble Supports	6	05/21/07	05/29/07
LN511-0300	AVAIL: Supports Ready for BC2, LTU Instl	0		05/29/07
LN511-0170	Component Fab & Assembly - Protection Collimat	20	05/23/07	06/20/07
LN511-0000	PROTECTION COLLIMATORS (5) SUMMARY	125	01/08/07	07/05/07
LN511-0180	Post Process & Test	10	06/21/07	07/05/07
LN511-0190	AVAIL: Protection Collimator Ready for BC2 Instl	0		07/05/07
LN511-0200	AVAIL: Protection Collimator Ready for LTU Instl	0		07/05/07
1.03.05.12 Movable Collimators (7x,3y) Summary				
LN512-0080	AWARD: BC1 Contract for Supports	1	07/05/06A	07/05/06A
LN512-0400	Vendor Fab 1st Lot	20	07/05/06A	07/31/06A
LN512-0420	Procure Component Material - Movable Collimator	20	07/05/06A	07/31/06A
LN512-0440	Procure Misc Materials - Diagnostics Supports	20	07/05/06A	07/31/06A
LN512-0430	Vendor Fab 1st Lot - Supports	20	07/06/06A	07/31/06A
LN512-0090	RCV: 1st Lot Diagnostics Supports from Vendor	0		08/01/06
LN512-0100	AVAIL: Supports Ready for BC1 Instl	0		08/01/06
LN512-0450	Component Fab & Assembly - Movable Collimator	20*	08/01/06A	08/28/06
LN512-0010	Perform QC / Metrology	33*	08/01/06A	09/15/06
LN512-0020	Perform Functional Testing - Movable Collimat	10	09/18/06	09/29/06
LN512-0030	Post Process & Test	10	10/02/06	10/13/06
LN512-0040	AVAIL: Movable Collimators Ready for BC1 Instl	0		10/13/06
LN512-0110	Produce Common Layout	20	02/01/07*	03/01/07
LN512-0130	Create / Remodel / Revise Dsn Documentation	60	12/05/06	03/15/07
LN512-0120	Develop General Specifications / Analysis	10	03/02/07	03/15/07
LN512-0140	Write Component Traveler	6	03/16/07	03/23/07



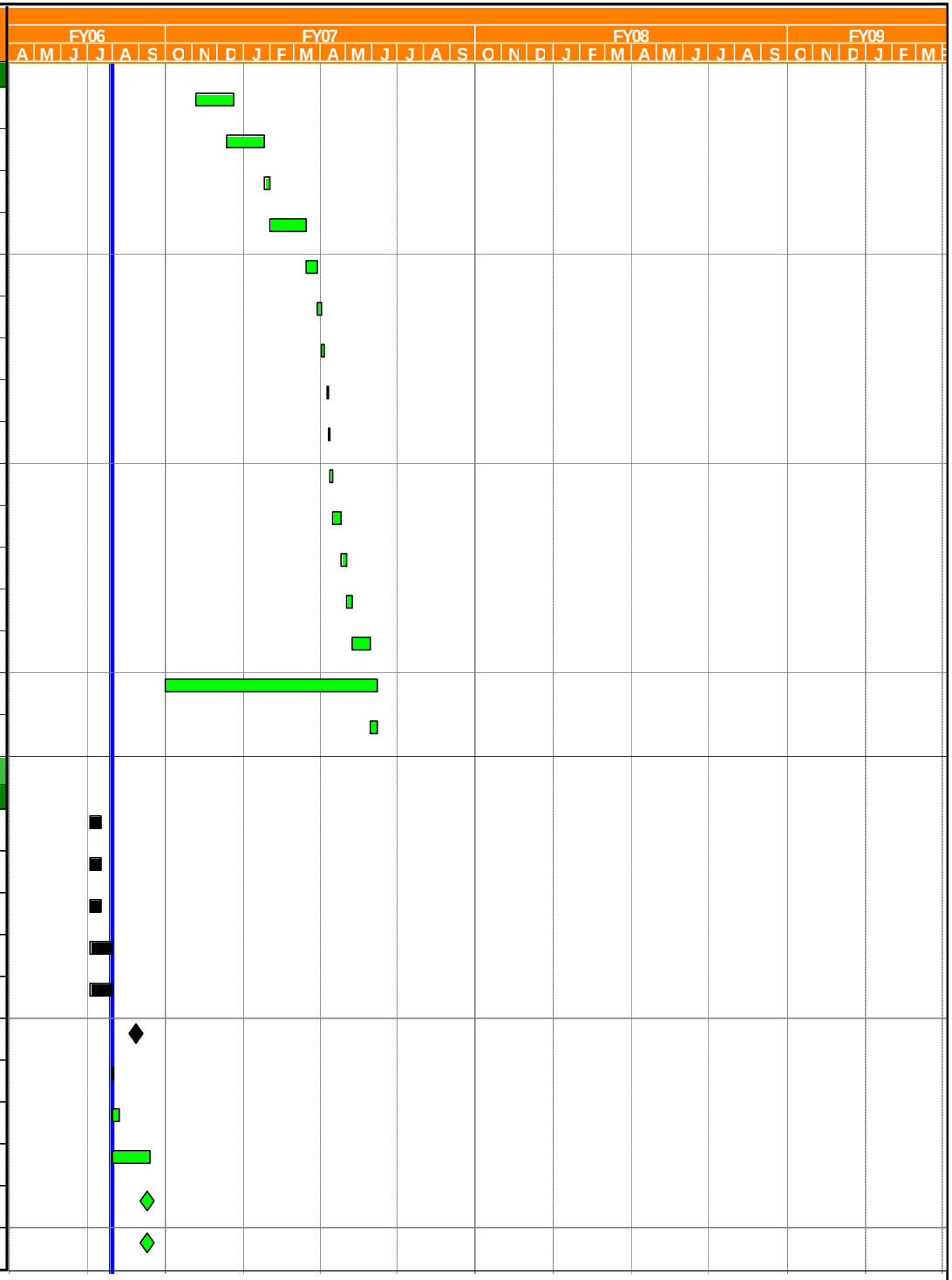
Activity ID	Activity Description	Orig Dur	Early Start	Early Finish
1.03.05.12 Movable Collimators (7x,3y) Summary				
LN512-0150	Generate Detailed Procurement Plan	1	03/26/07	03/26/07
LN512-0160	COMP: Movable Collimator Design	0		03/26/07
LN512-0170	RELEASE: RFP - Movable Collimators	0		03/26/07
LN512-0300	Prep Bid Pak - Diagnostics Supports	2	03/27/07	03/28/07
LN512-0310	RELEASE: RFP - Diagnostics Supports	0		03/28/07
LN512-0180	Vendors Prep Proposals - Movable Collimator	20	03/27/07	04/23/07
LN512-0190	RCV: Proposals from Vendors	0		04/23/07
LN512-0320	Vendors Prep Proposals - Supports	20	03/29/07	04/25/07
LN512-0330	RCV: Proposals from Vendors - Supports	0		04/25/07
LN512-0200	Evaluate Vendor Proposals	4	04/24/07	04/27/07
LN512-0210	AWARD: Contract - LTU Movable Collimator	1	04/30/07	04/30/07
LN512-0340	Evaluate Vendor Proposals - Supports	4	04/26/07	05/01/07
LN512-0220	Vendor Fab 1st Lot	20	05/01/07	05/29/07
LN512-0350	Vendor Fab 1st Lot - Supports	20	05/02/07	05/30/07
LN512-0370	Procure Misc Materials - Diagnostics Supports	20	05/02/07	05/30/07
LN512-0230	RCV: 1st Lot Diagnostics Equip from Vendor	1	05/30/07	05/30/07
LN512-0360	RCV: 1st Lot Diagnostics Supports from Vendor	0		05/30/07
LN512-0380	Assemble Supports	10	05/31/07	06/13/07
LN512-0390	AVAIL: Supports Ready for LTU Instl	0		06/13/07
LN512-0240	Procure Component Material - Movable Collimator	60	03/27/07	06/19/07
LN512-0250	Component Fab & Assembly - Movable Collimator	60	05/31/07	08/23/07
LN512-0260	Perform QC / Metrology	10	08/24/07	09/07/07
LN512-0270	Perform Functional Testing - Movable Collimat	5	09/10/07	09/14/07
LN512-0000	MOVABLE COLLIMATORS (7X,3Y) SUMMARY	306	07/05/06A	09/19/07
LN512-0280	Post Process & Test	3	09/17/07	09/19/07
LN512-0290	AVAIL: Movable Collimators Ready for LTU Instl	0		09/19/07
1.03.05.13 Safety Electron Dump (1) Summary				
LN513-0010	Write ICD - Single Beam Dump	5	02/01/07*	02/07/07
LN513-0020	Produce Common Layout	5	02/08/07	02/14/07



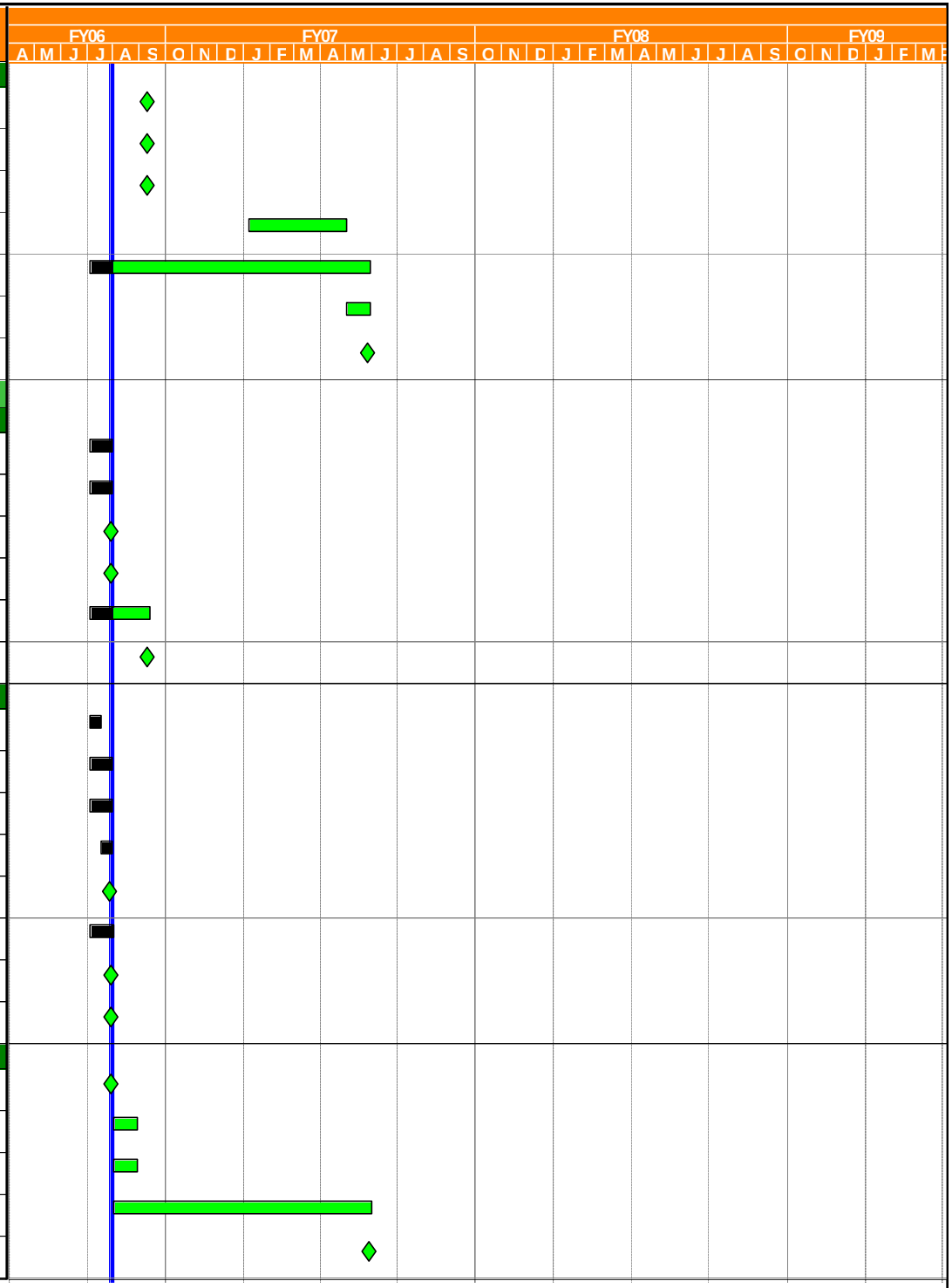
Activity ID	Activity Description	Orig Dur	Early Start	Early Finish
1.03.05.13 Safety Electron Dump (1) Summary				
LN513-0030	Develop General Specifications / Analysis	5	02/15/07	02/22/07
LN513-0040	Create / Remodel / Revise Dsn Documentation	20	02/23/07	03/22/07
LN513-0060	Write Component Traveler	5	03/23/07	03/29/07
LN513-0070	Conduct Single Beam Dump PDR	5	03/30/07	04/05/07
LN513-0080	Generate Detailed Procurement Plan	1	04/06/07	04/06/07
LN513-0090	Conduct Single Beam Dump FDR	5	04/09/07	04/13/07
LN513-0050	Design Check	40	03/23/07	05/17/07
LN513-0100	COMP: Single Beam Dump Design	0		05/17/07
LN513-0110	Prep Bid Pak - Safety Dump	1	05/18/07	05/18/07
LN513-0120	AWARD: Contract for Safety Dump	1	05/21/07	05/21/07
LN513-0150	Procure Component Material - Single Beam Dump	20	05/18/07	06/15/07
LN513-0210	Vendor Fab Diagnostics Supports	40	05/18/07	07/16/07
LN513-0220	RCV: Diagnostics Supports from Vendor	1	07/17/07	07/17/07
LN513-0130	Vendor Fab - Safety Dump	40	05/22/07	07/18/07
LN513-0140	RCV: Saftey Dump from Vendor	1	07/19/07	07/19/07
LN513-0230	Procure Misc Materials - Diagnostics Supports	20	07/18/07	08/14/07
LN513-0160	Component Fab & Assembly - Single Beam Dump	20	07/20/07	08/16/07
LN513-0190	Assemble Supports	10	08/15/07	08/28/07
LN513-0200	AVAIL: Supports Ready for LTU Instl	0		08/28/07
LN513-0000	SAFETY ELECTRON DUMP (1) SUMMARY	148	02/01/07	08/30/07
LN513-0170	Post Process & Test	10	08/17/07	08/30/07
LN513-0180	AVAIL: Single Beam Dump Ready for LTU Install	0		08/30/07
1.03.05.14				
LN514-0010	Specification and Requirements - CM	10	10/02/06	10/13/06
LN514-0040	Preliminary Design - CM	15	10/16/06	11/03/06
LN514-0020	Specification and Requirements - Cable	10	10/16/06	11/06/06
LN514-0050	Design Review - CM	5	11/06/06	11/10/06
LN514-0060	Final Design - CM	15	11/13/06	12/05/06
LN514-0070	Prepare Bid of Charge Monitor Package	5	12/06/06	12/12/06



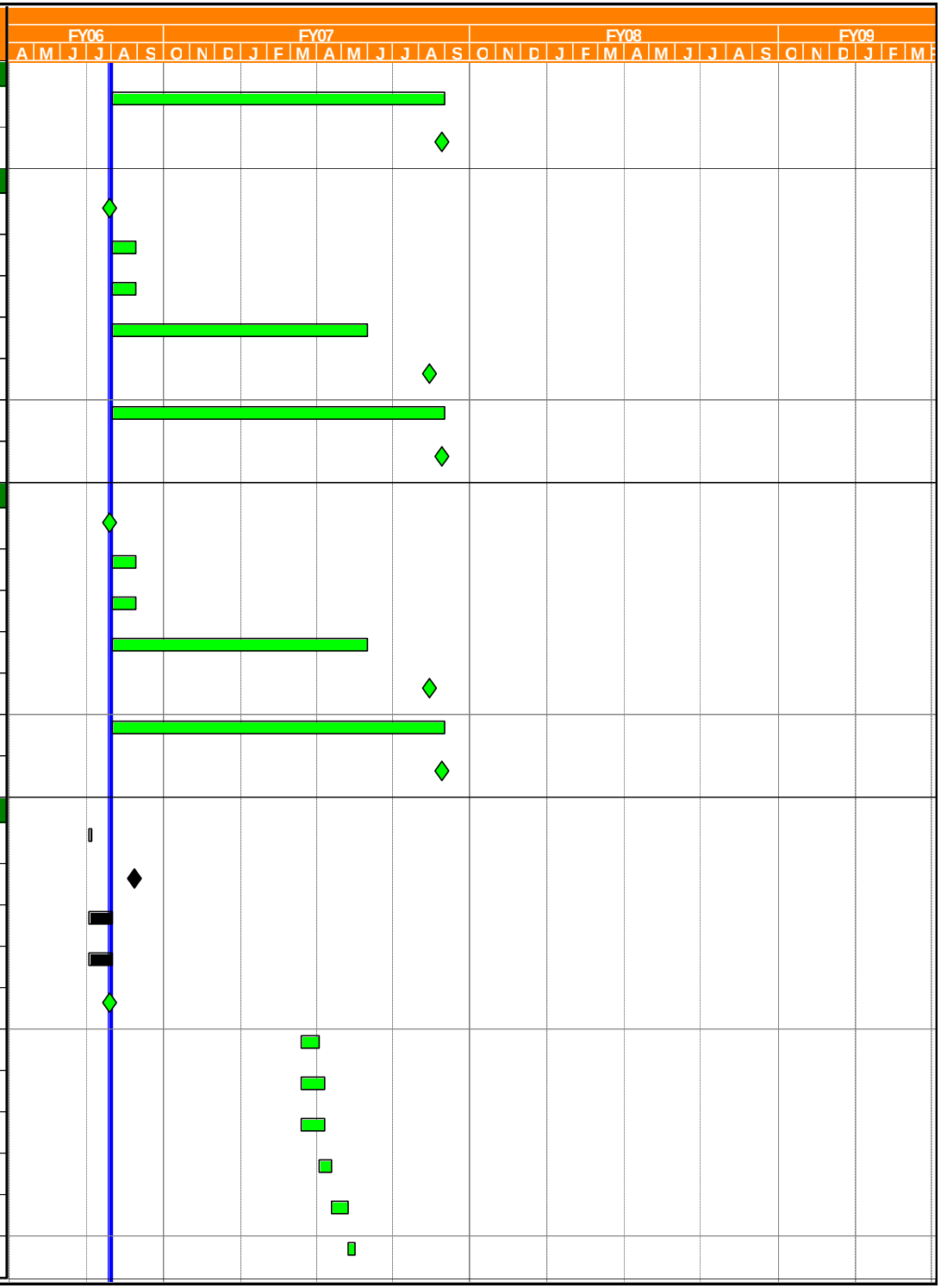
Activity ID	Activity Description	Orig Dur	Early Start	Early Finish
1.03.05.14				
LN514-0030	Purchase Cable	30	11/07/06	12/20/06
LN514-0080	Bid Process - CM	25	12/13/06	01/25/07
LN514-0090	AWARD: Charge Monitor Package (2) Sppt	5	01/26/07	02/01/07
LN514-0100	Rec: Charge Monitor Package (2)	30	02/02/07	03/15/07
LN514-0110	QA Production Lot	10	03/16/07	03/29/07
LN514-0120	Approve Production Lot	2	03/30/07	04/03/07
LN514-0130	Assemble Charge Monitor	3	04/04/07	04/06/07
LN514-0140	Clean Charge Monitor	2	04/09/07	04/10/07
LN514-0150	Leak Check Charge Monitor	2	04/11/07	04/12/07
LN514-0160	Test Charge Monitor	2	04/13/07	04/16/07
LN514-0170	Pack Charge Monitor for Shipping	7	04/17/07	04/25/07
LN514-0180	Write Shipping Paper Work	5	04/26/07	05/02/07
LN514-0190	Transmit Engineering Data to Slac	5	05/03/07	05/09/07
LN514-0200	Develop Installation Plan	13	05/10/07	05/29/07
LN514-0000	Charge Monitor (Entrance/Exit Assy) Summary	172	10/02/06	06/07/07
LN514-0210	Review installation Plan	7	05/30/07	06/07/07
1.03.06 Linac RF Subsystem				
1.03.06.02 S-Band High Power System				
LN602-0140	Fab & Cold Test - Cold Test Hardware	30	07/05/06A	07/18/06A
LN602-0150	Fab & Cold Test - Waveguide Straights	30	07/05/06A	07/18/06A
LN602-0160	Fab & Cold Test - Waveguide Components	30	07/05/06A	07/18/06A
LN602-0110	Vendor Fab & Assy - S-Band Waveguide	20	07/05/06A	07/31/06A
LN602-0130	Fab & Test - Waveguide Supports	20	07/05/06A	07/31/06A
LN602-0120	RCV: from Vendor S-Band Waveguide	0		08/31/06A
LN602-0020	Receive System / Sub Assemblies	1*	08/01/06A	08/01/06
LN602-0010	Collect Component Performance Data	5*	08/01/06A	08/07/06
LN602-0170	Post Process Waveguide	30*	08/01/06A	09/12/06
LN602-0030	AVAIL: S-Band High Pwr Equip L01 Ready for Instl	0		09/12/06
LN602-0040	AVAIL: S-Band High Pwr Equip BC1 Ready for Instl	0		09/12/06



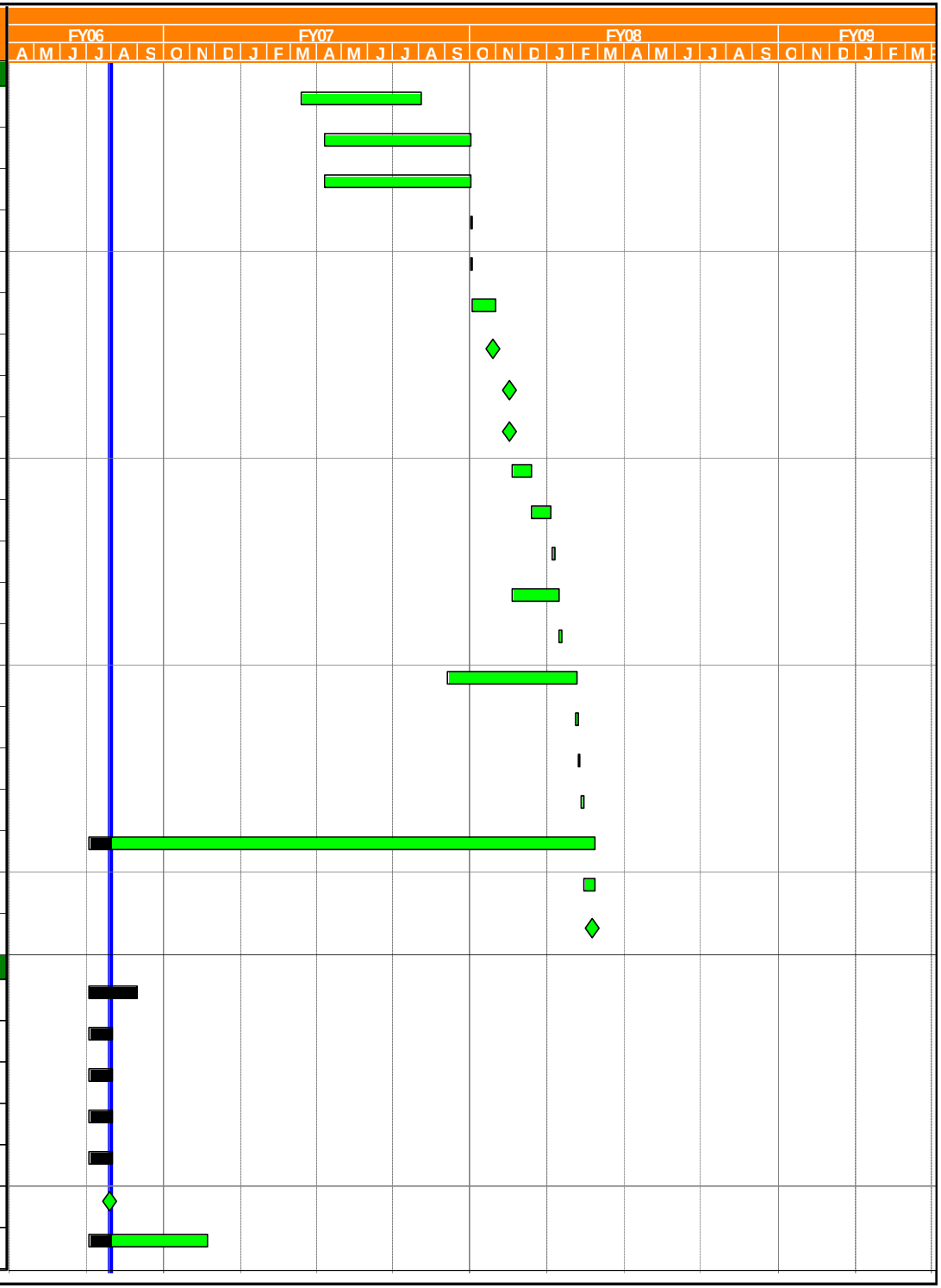
Activity ID	Activity Description	Orig Dur	Early Start	Early Finish
1.03.06.02 S-Band High Power System				
LN602-0050	AVAIL: S-Band High Pwr Equip L02 Ready for Instl	0		09/12/06
LN602-0060	AVAIL: S-Band High Pwr Equip BC2 Ready for Instl	0		09/12/06
LN602-0070	AVAIL: S-Band High Pwr Equip L03 Ready for Instl	0		09/12/06
LN602-0080	Fab & Cold Test - T-Cav Waveguide	80	01/08/07	05/01/07
LN602-0000	S-BAND HP WAVEGUIDE SYSTEM SUMMARY	219	07/05/06A	05/30/07
LN602-0090	Post Process T-Cav Waveguide	20	05/02/07	05/30/07
LN602-0100	AVAIL: T-Cav Waveguide Ready for L3 Install	0		05/30/07
1.03.07 Linac Installation & Alignment				
1.03.07.01 Linac L01 System Installation & Alignment				
LN701-0040	Procure Installation & Alignment Tooling	10	07/05/06A	07/31/06A
LN701-0050	Kit New Components for Installation	20	07/05/06A	07/31/06A
LN701-0010	REQD: L01 Available for Pre-Install Preps	0		08/01/06
LN701-0030	AVAIL: L01 Equipment Installation Complete	0		08/01/06
LN701-0000	LINAC L01 SYSTEM INSTALLATION SUMMARY	49	07/05/06A	09/12/06
LN701-0020	REQD: All Linac L01 Sys Equip Ready for Install	0		09/12/06
1.03.07.02 Linac BC1 System Installation & Alignment				
LN702-0020	Review Drawings & Identify Installation Tooling	10	07/05/06A	07/18/06A
LN702-0050	Procure Installation Hardware	20	07/05/06A	07/31/06A
LN702-0070	Kit New Components for Installation	20	07/05/06A	07/31/06A
LN702-0060	Procure Installation Tooling	10	07/19/06A	07/31/06A
LN702-0010	REQD: BC1 Available for Pre-Install Preps	0		07/31/06
LN702-0000	LINAC BC1 SYSTEM INSTALLATION SUMMARY	20	07/05/06A	08/01/06
LN702-0030	REQD: All Linac BC1 Sys Equip Ready for Install	0		08/01/06
LN702-0040	AVAIL: BC1 Equipment Installation Complete	0		08/01/06
1.03.07.03 Linac L02 System Installation & Alignment				
LN703-0060	AVAIL: L02 Equipment Installation Complete	0		08/01/06
LN703-0030	Create/Review Dwgs & Identify Installation Hdwr	20	08/02/06	08/29/06
LN703-0040	Review Drawings & Identify Installation Tooling	20	08/02/06	08/29/06
LN703-0010	Establish & Maintain Component Storage Facility	200	08/02/06	05/31/07
LN703-0050	REQD: All Linac L02 Sys Equip Ready for Install	0		05/31/07



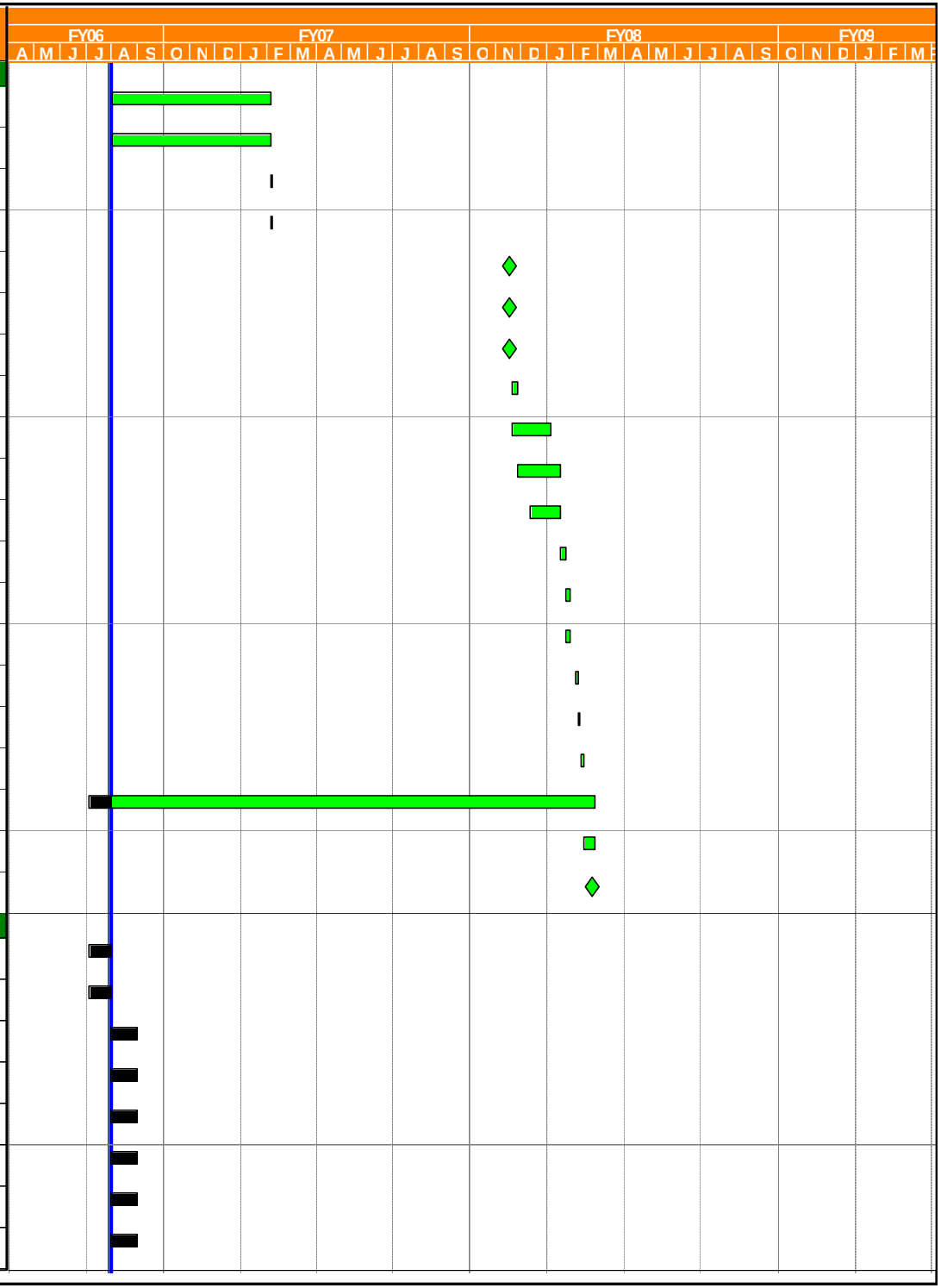
Activity ID	Activity Description	Orig Dur	Early Start	Early Finish
1.03.07.03 Linac L02 System Installation & Alignment				
LN703-0000	LINAC L02 SYSTEM INSTALLATION SUMMARY	265	08/02/06	08/31/07
LN703-0020	REQD: L02 Available for Pre-Install Preps	0		08/31/07
1.03.07.04 Linac BC2 System Installation & Alignment				
LN704-0060	AVAIL: BC2 Equipment Installation Complete	0		08/01/06
LN704-0030	Create/Review Dwgs & Identify Installation Hdwr	20	08/02/06	08/29/06
LN704-0040	Review Drawings & Identify Installation Tooling	20	08/02/06	08/29/06
LN704-0010	Establish & Maintain Component Storage Facility	200	08/02/06	05/31/07
LN704-0050	REQD: All Linac BC2 Sys Equip Ready for Install	0		08/17/07
LN704-0000	LINAC BC2 SYSTEM INSTALLATION SUMMARY	265	08/02/06	08/31/07
LN704-0020	REQD: BC2 Available for Pre-Install Preps	0		08/31/07
1.03.07.05 Linac L03 System Installation & Alignment				
LN705-0060	AVAIL: L03 Equipment Installation Complete	0		08/01/06
LN705-0030	Create/Review Dwgs & Identify Installation Hdwr	20	08/02/06	08/29/06
LN705-0040	Review Drawings & Identify Installation Tooling	20	08/02/06	08/29/06
LN705-0010	Establish & Maintain Component Storage Facility	200	08/02/06	05/31/07
LN705-0050	REQD: All Linac L03 Sys Equip Ready for Install	0		08/17/07
LN705-0000	LINAC L03 INSTALLATION SUMMARY - 25,27,28,29	265	08/02/06	08/31/07
LN705-0020	REQD: L03 Available for Pre-Install Preps	0		08/31/07
1.03.07.06 Linac LTU System Installation & Alignment				
LN706-0240	Establish Alignment Coordinates for B/L Equip	3	07/05/06A	07/07/06A
LN706-0050	COMP: FFTB Equip Removal Comp Ready for CF	0		08/31/06A
LN706-0020	Create/Review Dwgs & Identify Installation Hdwr	20*	07/05/06A	08/01/06
LN706-0030	Review Drawings & Identify Installation Tooling	20*	07/05/06A	08/01/06
LN706-0070	AVAIL: LTU Equipment Installation Complete	0		08/01/06
LN706-0180	Develop De-Installation Plan for Existing Equip	15	03/15/07	04/04/07
LN706-0110	Create/Review Dwgs & Identify Installation Hdwr	20	03/15/07	04/11/07
LN706-0140	Review Drawings & Identify Installation Tooling	20	03/15/07	04/11/07
LN706-0200	De-install Existing Components	15	04/05/07	04/18/07
LN706-0210	Determine Disposition of De-installed Components	15	04/19/07	05/09/07
LN706-0220	Prep for & Move De-installed Equip to Storage	5	05/10/07	05/16/07



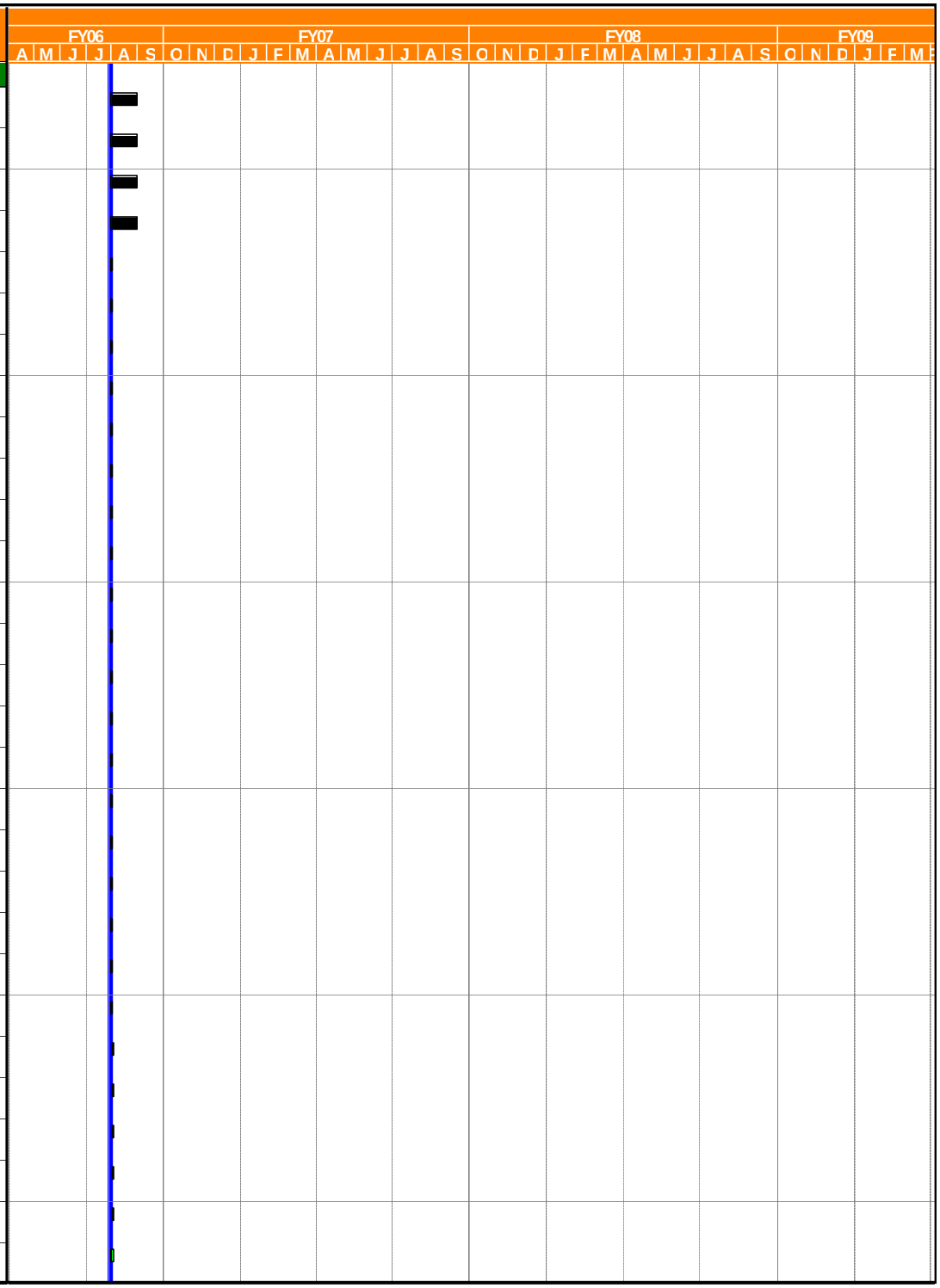
Activity ID	Activity Description	Orig Dur	Early Start	Early Finish
1.03.07.06 Linac LTU System Installation & Alignment				
LN706-0090	Establish & Maintain Component Storage Facility	120	03/15/07	08/03/07
LN706-0120	Procure Installation Hardware	120	04/12/07	10/01/07
LN706-0150	Procure Installation Tooling	120	04/12/07	10/01/07
LN706-0130	RCV: Installation Hardware	1	10/02/07	10/02/07
LN706-0160	RCV: Installation Tooling	1	10/02/07	10/02/07
LN706-0170	Kit New Components for Installation	20	10/03/07	10/30/07
LN706-0060	REQD: All Linac LTU Sys Equip Ready for Install	0		10/30/07
LN706-0010	REQD: LTU Available for Pre-Install Preps	0		11/20/07
LN706-0250	REQD: All Linac LTU Sys Equip Ready for Install	0		11/20/07
LN706-0270	Install Beamline Components	15	11/21/07	12/13/07
LN706-0280	Align Beamline Components to Coordinate System	4	12/14/07	01/04/08
LN706-0290	Magnet Power Interconnect & Test	3	01/07/08	01/09/08
LN706-0260	Install All Racks, Cables, Trays & Test	25	11/21/07	01/14/08
LN706-0300	Controls Interconnect & Test	3	01/15/08	01/17/08
LN706-0080	Linac LTU/Dump Integration Oversight Shut Down	123	09/04/07	02/04/08
LN706-0310	Interconnect Vacuum System & Test	3	02/04/08	02/06/08
LN706-0320	Perform Magnet Power Test	2	02/07/08	02/08/08
LN706-0330	Perform Diagnostics Controls Test	3	02/11/08	02/13/08
LN706-0000	LINAC LTU SYSTEM INSTALLATION SUMMARY	395	07/05/06A	02/26/08
LN706-0340	Coordinate & Check Installation	8	02/14/08	02/26/08
LN706-0350	AVAIL: LTU Equipment Installation Complete	0		02/26/08
1.03.07.07 Linac E-Dump System Installation & Alignment				
LN707-0010	Establish & Maintain Component Storage Facility	20	07/05/06A	08/31/06A
LN707-0030	Create/Review Dwgs & Identify Installation Hdwr	20*	07/05/06A	08/01/06
LN707-0040	Review Drawings & Identify Installation Tooling	20*	07/05/06A	08/01/06
LN707-0090	Create/Review Dwgs & Identify Installation Hdwr	20*	07/05/06A	08/01/06
LN707-0110	Review Drawings & Identify Installation Tooling	20*	07/05/06A	08/01/06
LN707-0060	AVAIL: E-Dump Equipment Installation Complete	0		08/01/06
LN707-0070	Establish & Maintain Component Storage Facility	100*	07/05/06A	11/22/06



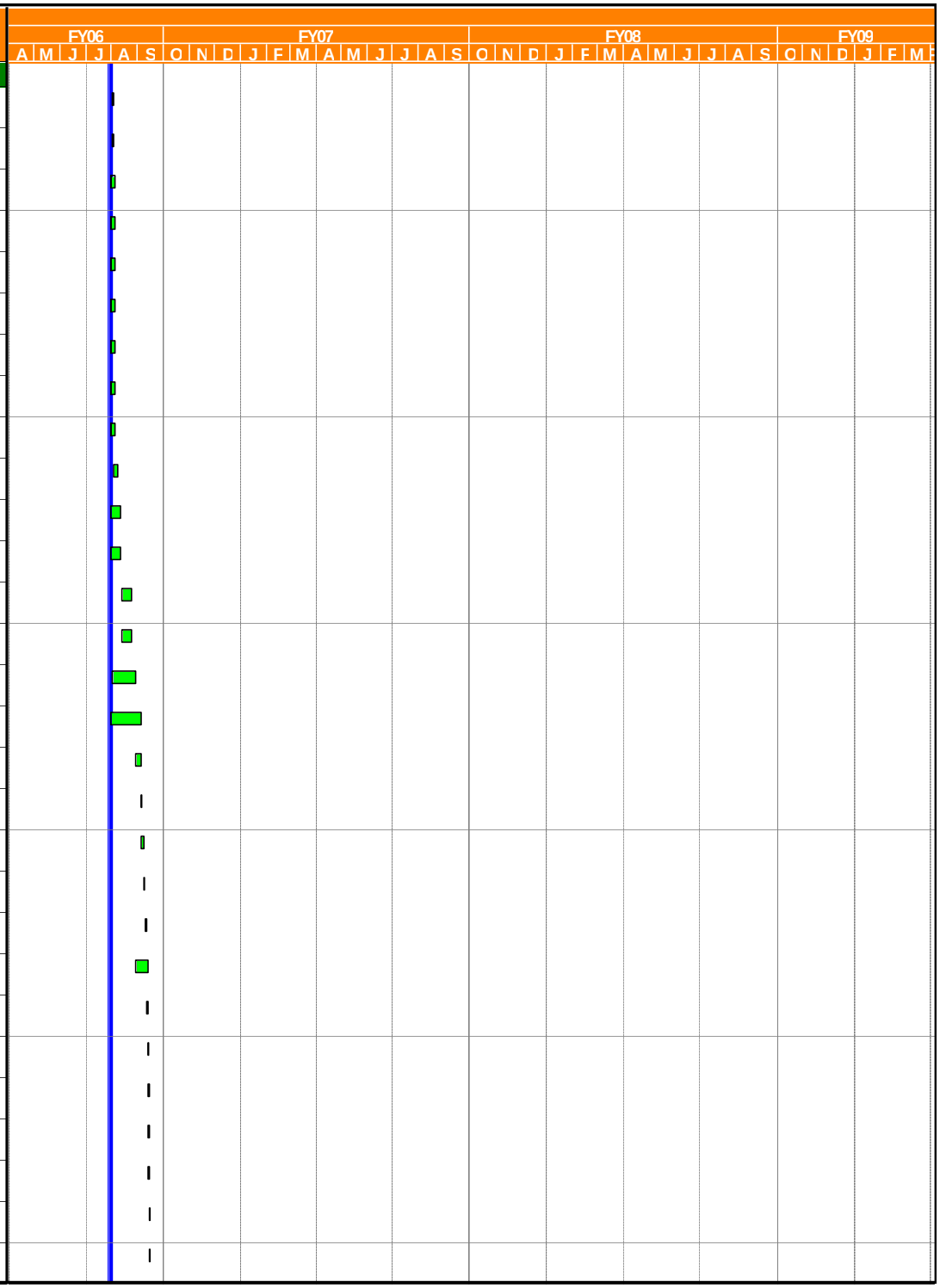
Activity ID	Activity Description	Orig Dur	Early Start	Early Finish
1.03.07.07 Linac E-Dump System Installation & Alignment				
LN707-0100	Procure Installation Hardware	120	08/02/06	02/06/07
LN707-0120	Procure Installation Tooling	120	08/02/06	02/06/07
LN707-0260	RCV: Installation Hardware	1	02/07/07	02/07/07
LN707-0270	RCV: Installation Tooling	1	02/07/07	02/07/07
LN707-0020	REQD: E-Dump Available for Pre-Install Preps	0		11/19/07
LN707-0050	REQD: All E-Dump System Equip Avail for Install	0		11/19/07
LN707-0140	REQD: All E-Dump System Equip Avail for Install	0		11/19/07
LN707-0150	Establish Alignment Coordinates for B/L Equip	3	11/20/07	11/26/07
LN707-0130	Kit New Components for Installation	20	11/20/07	01/04/08
LN707-0160	Install All Racks, Cables, Trays & Test	25	11/27/07	01/16/08
LN707-0170	Install Beamline Components	15	12/11/07	01/16/08
LN707-0180	Align Beamline Components to Coordinate System	4	01/17/08	01/23/08
LN707-0190	Magnet Power Interconnect & Test	3	01/24/08	01/28/08
LN707-0200	Controls Interconnect & Test	3	01/24/08	01/28/08
LN707-0210	Interconnect Vacuum System & Test	3	02/04/08	02/06/08
LN707-0220	Perform Magnet Power Test	2	02/07/08	02/08/08
LN707-0230	Perform Diagnostics Controls Test	3	02/11/08	02/13/08
LN707-0000	LINAC E-DUMP SYSTEM INSTALLATION SUMMARY	395	07/05/06A	02/26/08
LN707-0240	Coordinate & Check Installation	8	02/14/08	02/26/08
LN707-0250	AVAIL: E-Dump Equipment Installation Complete	0		02/26/08
1.03.07.10				
LN710-1010	Planning, preparation and staging prior to downt	19	07/05/06A	07/31/06A
LN710-3010	Planning, preperation and staging prior to downt	19	07/05/06A	07/31/06A
LN710-1020	Vent Sector 20	1	08/01/06A	08/31/06A
LN710-1030	Vent sector 21	1	08/01/06A	08/31/06A
LN710-1040	Drain Water	2	08/01/06A	08/31/06A
LN710-1050	Disconnect Water from Structures and Loads	2	08/01/06A	08/31/06A
LN710-1060	Remove Magnet Power Leads	1	08/01/06A	08/31/06A
LN710-1070	Remove Klixon Leads	1	08/01/06A	08/31/06A



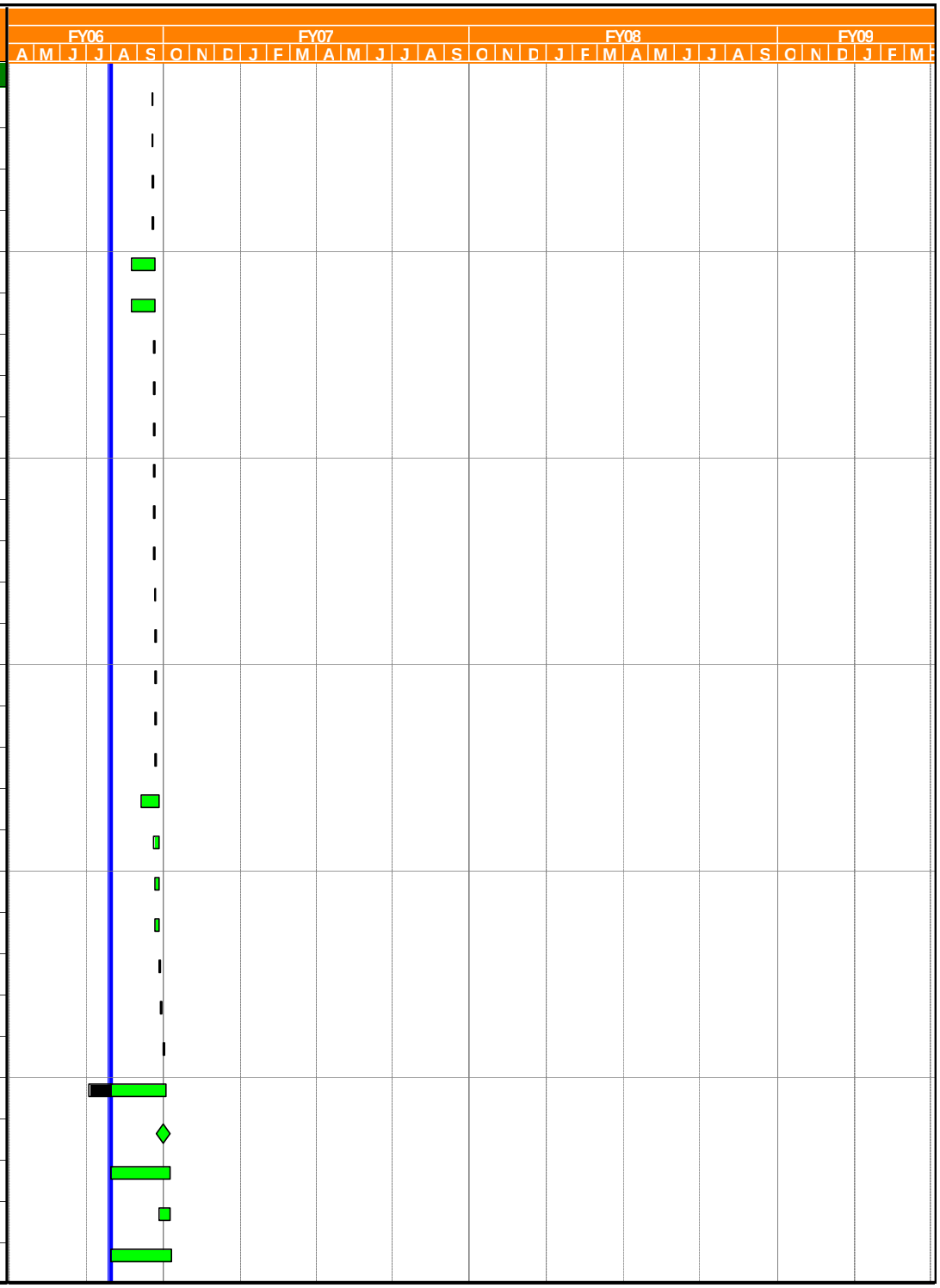
Activity ID	Activity Description	Orig Dur	Early Start	Early Finish
1.03.07.10				
LN710-1080	Remove LLRF	1	08/01/06A	08/31/06A
LN710-1160	Remove BPM Cables from BPM 201 and BPM 301	2	08/01/06A	08/31/06A
LN710-2040	Set up for Waveguide installation	5	08/01/06A	08/31/06A
LN710-2050	Transport Waveguide to Installation Site	5	08/01/06A	08/31/06A
LN710-1100	Remove fast valve between sector 20 and 21	1*	08/01/06A	08/01/06
LN710-1110	Grind upstream and downstream eyelets	1*	08/01/06A	08/01/06
LN710-1120	Remove Accelerator Section LI21 120 1B	1*	08/01/06A	08/01/06
LN710-1140	Grind upstream and downstream eyelets	1*	08/01/06A	08/01/06
LN710-1150	Remove Accelerator Section LI21 130 1C	1*	08/01/06A	08/01/06
LN710-1170	Remove Quad LI21 20 QEF 201	1*	08/01/06A	08/01/06
LN710-1190	Grind upstream and downstream eyelets	1*	08/01/06A	08/01/06
LN710-1200	Remove Accelerator Section LI21 210 2A	1*	08/01/06A	08/01/06
LN710-1220	Grind upstream and downstream eyelets	1*	08/01/06A	08/01/06
LN710-1230	Remove Accelerator Section LI21 220 2B	1*	08/01/06A	08/01/06
LN710-1250	Grind upstream and downstream eyelets	1*	08/01/06A	08/01/06
LN710-1260	Remove Accelerator Section LI21 230 2C	1*	08/01/06A	08/01/06
LN710-1280	Grind upstream and downstream eyelets	1*	08/01/06A	08/01/06
LN710-1290	Remove Accelerator Section LI21 240 2D	1*	08/01/06A	08/01/06
LN710-1320	Grind upstream and downstream eyelets	1*	08/01/06A	08/01/06
LN710-1330	Remove Quad LI21 30 QED 301	1*	08/01/06A	08/01/06
LN710-1340	Remove Accelerator Section LI21 310 3A	1*	08/01/06A	08/01/06
LN710-2070	Install penetration 2.93 waveguide	1	08/01/06	08/01/06
LN710-2080	Install penetration 2.93 waveguide	1	08/01/06	08/01/06
LN710-2090	Install 3ea PVC Conduit at 20-17	1	08/02/06	08/02/06
LN710-2100	Install 3ea PVC Conduit at 20-17	1	08/02/06	08/02/06
LN710-3030	Install Accelerator Section LI21 130 1C	1	08/02/06	08/02/06
LN710-3270	Mark BC1 stand location	1	08/02/06	08/02/06
LN710-3640	BC1, S20/S21 Install power supply	1	08/02/06	08/02/06
LN710-1310	Remove vacuum header for BC1 chican table	3*	08/01/06A	08/03/06



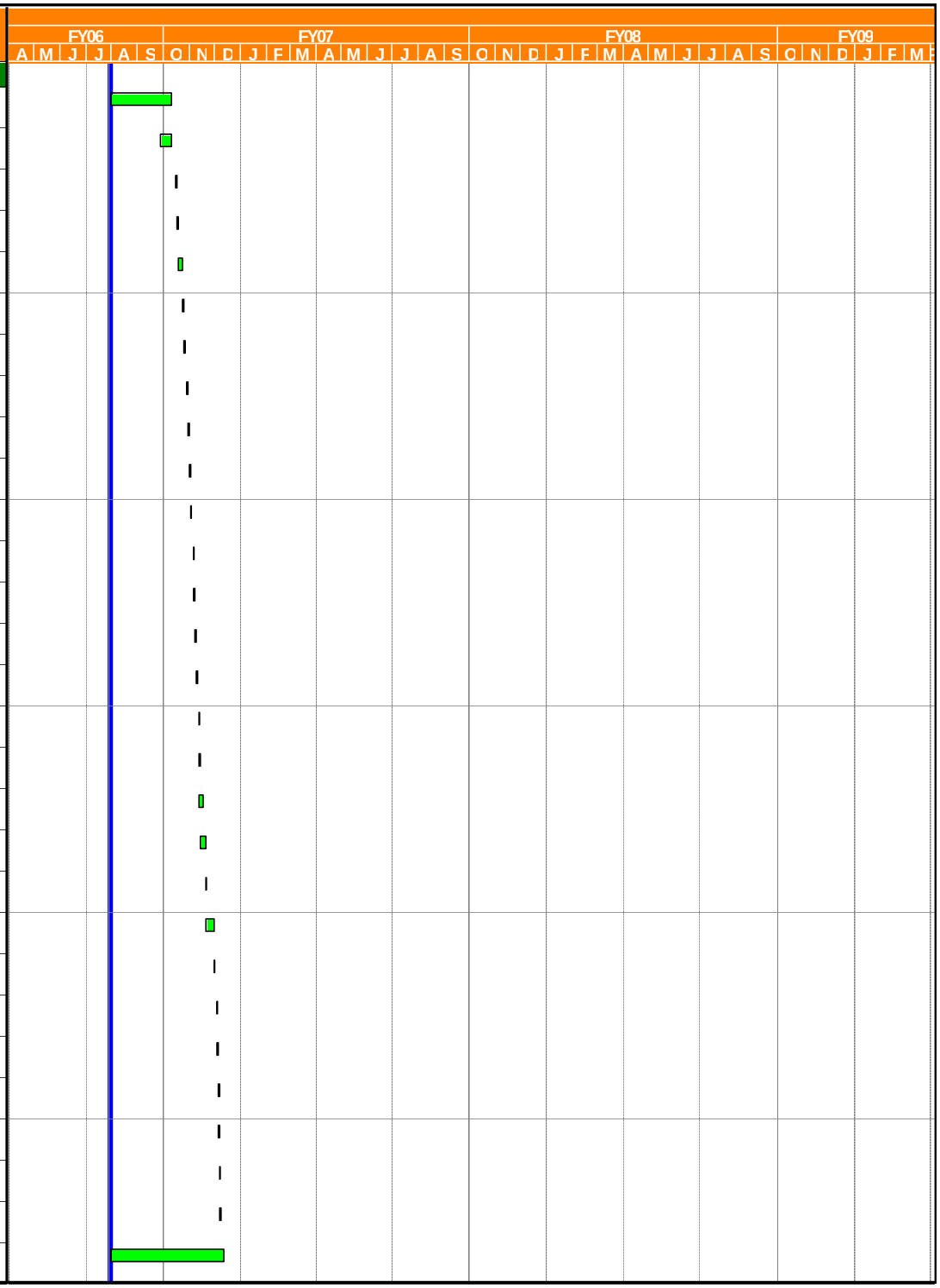
Activity ID	Activity Description	Orig Dur	Early Start	Early Finish
1.03.07.10				
LN710-3180	Install X Band Support	3	08/02/06	08/03/06
LN710-3650	Reconfigure SLC quadrupole to LCLS	3	08/02/06	08/03/06
LN710-1090	Remove Waveguide and Loads from Structure	4*	08/01/06A	08/04/06
LN710-1130	Remove Waveguide and Loads from Structure	4*	08/01/06A	08/04/06
LN710-1180	Remove Waveguide and Loads from Structure	4*	08/01/06A	08/04/06
LN710-1210	Remove Waveguide and Loads from Structure	4*	08/01/06A	08/04/06
LN710-1240	Remove Waveguide and Loads from Structure	4*	08/01/06A	08/04/06
LN710-1270	Remove Waveguide and Loads from Structure	4*	08/01/06A	08/04/06
LN710-1300	Remove Waveguide and Loads from Structure	4*	08/01/06A	08/04/06
LN710-2110	Install X Band Klystron	4	08/03/06	08/08/06
LN710-4020	DC Cable Installation	9	08/01/06	08/11/06
LN710-5020	DC Cable Installation	9	08/01/06	08/11/06
LN710-4030	I&C Cable Installation	9	08/14/06	08/24/06
LN710-5030	I&C Cable Installation	9	08/14/06	08/24/06
LN710-2060	Install Gallery Waveguide	20	08/02/06	08/29/06
LN710-5010	Install Cables from L1 thru BC1	25	08/01/06	09/05/06
LN710-3280	Install BC1 Chicane Supports	4	08/30/06	09/05/06
LN710-2020	RCV: 3ea Pumping Carts	1	09/05/06*	09/05/06
LN710-3290	Install BC1 Input Supports	2	09/06/06	09/07/06
LN710-3300	Install BC1 Output Supports	1	09/08/06	09/08/06
LN710-3310	Align BC1 Supports	1	09/11/06	09/11/06
LN710-2120	Install insulation on waveguide	10	08/30/06	09/13/06
LN710-3320	Grout Supports	2	09/12/06	09/13/06
LN710-3000	Beamline Equipment Installation L01 thru BC1 Out	1	09/13/06	09/13/06
LN710-3020	Install Accelerator Section LI21 120 1B	1	09/14/06	09/14/06
LN710-3190	Install X Band Structure	1	09/14/06	09/14/06
LN710-3330	Install BX11 and CQ11	1	09/14/06	09/14/06
LN710-3040	Install QA11/BPMA11	1	09/15/06	09/15/06
LN710-3200	Align X Band Structure	1	09/15/06	09/15/06



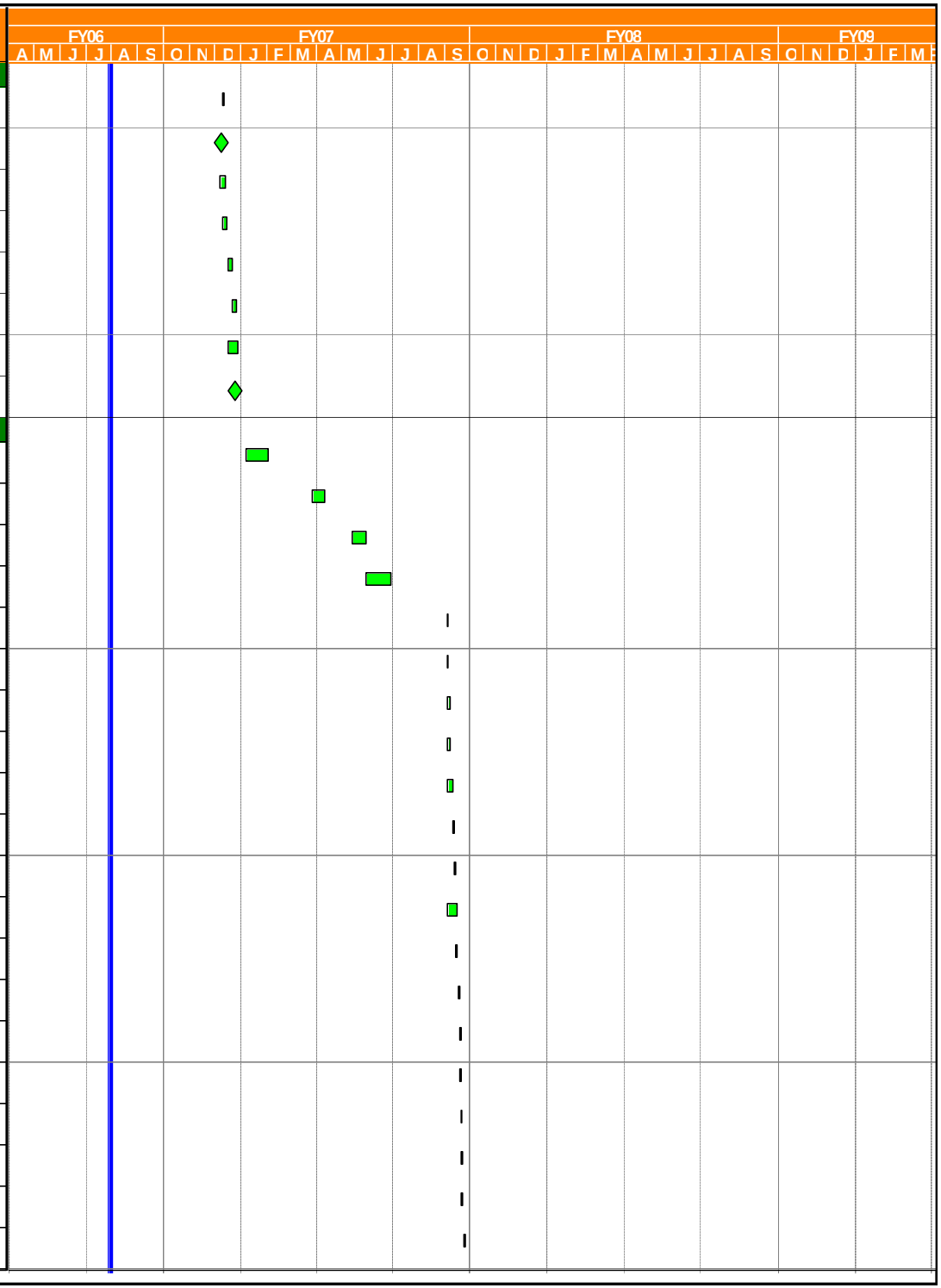
Activity ID	Activity Description	Orig Dur	Early Start	Early Finish
1.03.07.10				
LN710-3050	Install QA12/BPMA12	1	09/18/06	09/18/06
LN710-3210	Install Upstream Slowvalve	1	09/18/06	09/18/06
LN710-3060	Align Structures 1B and 1Cand Quad Magnets QA11	1	09/19/06	09/19/06
LN710-3220	Install Downstram Slowvalve	1	09/19/06	09/19/06
LN710-4040	Cable Termination	18	08/25/06	09/20/06
LN710-5040	Cable Termination	18	08/25/06	09/20/06
LN710-3070	Weld Upstream BPM Eyelet between 1B and 1C	1	09/20/06	09/20/06
LN710-3080	Weld Downstream BPM Eyelet between 1B and 1C	1	09/20/06	09/20/06
LN710-3090	Weld Upstream BPM Eyelet between 1C and 1D	1	09/20/06	09/20/06
LN710-3100	Weld Downstream BPM Eyelet between 1C and 1D	1	09/20/06	09/20/06
LN710-3110	Weld Adapter Eyelet to 2 3/4 CFF to downstream e	1	09/20/06	09/20/06
LN710-3170	Install XY Correctors on Structures 1B, 1C and 1	1	09/20/06	09/20/06
LN710-3120	Install Input Waveguide to Structure 120 1B	1	09/21/06	09/21/06
LN710-3130	Weld Wavguide to Manifold Eyelet	1	09/22/06	09/22/06
LN710-3140	Install Output Load to 120 1B	1	09/22/06	09/22/06
LN710-3150	Install Input Waveguide to Structure 130 1C	1	09/22/06	09/22/06
LN710-3160	Install Output Loads to 130 1C	1	09/22/06	09/22/06
LN710-2030	Install Gallery Waveguide Supports	14	09/06/06	09/25/06
LN710-3230	Install X Band Waveguide	4	09/20/06	09/25/06
LN710-4050	Cable Tagging & Testing	3	09/21/06	09/25/06
LN710-5050	Cable Tagging & Testing	3	09/21/06	09/25/06
LN710-3240	Pumpdown and Leakcheck	2	09/26/06	09/27/06
LN710-3250	Install X Band LLRF	2	09/28/06	09/29/06
LN710-3260	Install X Band Water	1	10/02/06	10/02/06
LN710-2000	Linac Integration Oversight 2006 Shut Down	65*	07/05/06A	10/04/06
LN710-2130	COMP: Gallery Waveguide Installation	0		10/04/06
LN710-5000	Phase II Cable Installation	49	08/01/06	10/09/06
LN710-5060	Cable Connections to Devices & Loads	10	09/26/06	10/09/06
LN710-4000	Phase II Cable Installation - Gallery to Linac B	51	08/01/06	10/11/06



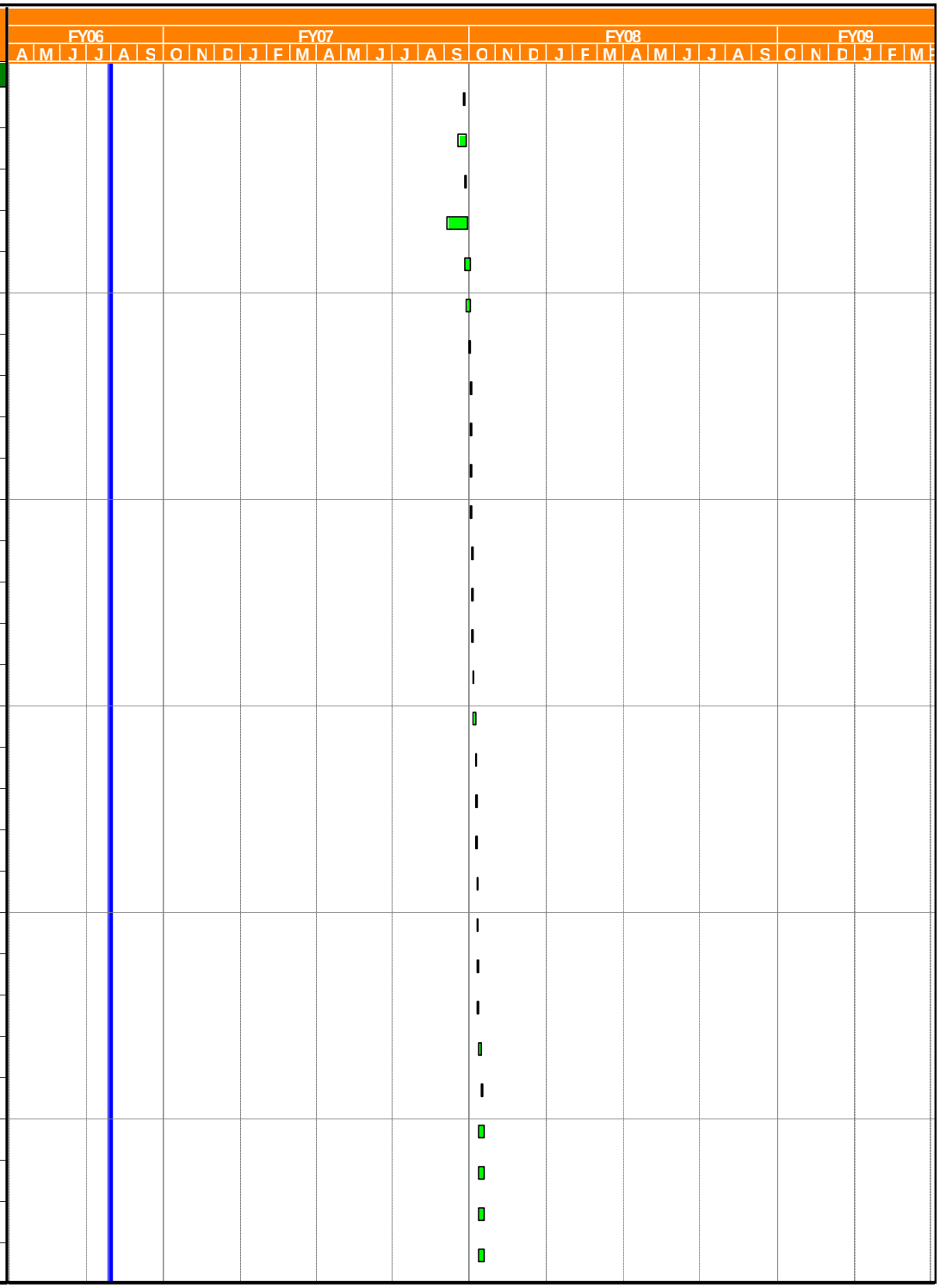
Activity ID	Activity Description	Orig Dur	Early Start	Early Finish
1.03.07.10				
LN710-4010	Install Cables from Linac to Injection Vault	51	08/01/06	10/11/06
LN710-4060	Cable Connections to Devices & Loads	10	09/28/06	10/11/06
LN710-3340	Install BC1 Table Middle Vacuum Assy	2	10/16/06	10/17/06
LN710-3350	Install BC1 Table Downstream Vacuum Assy	2	10/18/06	10/19/06
LN710-3360	Install BC1 Table Upstream Vacuum Assy	2	10/20/06	10/23/06
LN710-3370	Install BC1 CQ12 and BX14	2	10/24/06	10/25/06
LN710-3380	Align BC1 Chicane Area	2	10/26/06	10/27/06
LN710-3390	Install Quad Magnet QM12	1	10/30/06	10/30/06
LN710-3400	Install Corrector YCM12	1	10/31/06	10/31/06
LN710-3410	Install B11	2	11/01/06	11/02/06
LN710-3420	Install BPMM12	1	11/03/06	11/03/06
LN710-3430	Install Quad Magnet QM13	1	11/06/06	11/06/06
LN710-3440	Install Corrector XCM13	2	11/07/06	11/08/06
LN710-3450	Install IMBC10	1	11/09/06	11/09/06
LN710-3460	Install Wire Scanner WS11	1	11/10/06	11/10/06
LN710-3480	Install Current Monitor OTR12	1	11/13/06	11/13/06
LN710-3490	Install Wire Scanner WS12	1	11/14/06	11/14/06
LN710-3470	Install wire scanner lead stand and lead	5	11/13/06	11/17/06
LN710-3500	Install wire scanner lead stand and lead	4	11/15/06	11/20/06
LN710-3510	Install Wire Scanner WS13	1	11/21/06	11/21/06
LN710-3520	Install wire scanner lead stand and lead	5	11/22/06	11/30/06
LN710-3530	Install Corrector XC21301	1	12/01/06	12/01/06
LN710-3540	Install BPM21301	1	12/04/06	12/04/06
LN710-3550	Install Quad Magnet Q21301	1	12/05/06	12/05/06
LN710-3580	Install Corrector XCM14	1	12/06/06	12/06/06
LN710-3560	Install PRTD11/TD11	2	12/06/06	12/07/06
LN710-3590	Install Quad Magnet QM14/BPM14	1	12/07/06	12/07/06
LN710-3600	Install Quad Magnet QM15	1	12/08/06	12/08/06
LN710-1360	MFD Installation Support	92*	08/01/06A	12/11/06



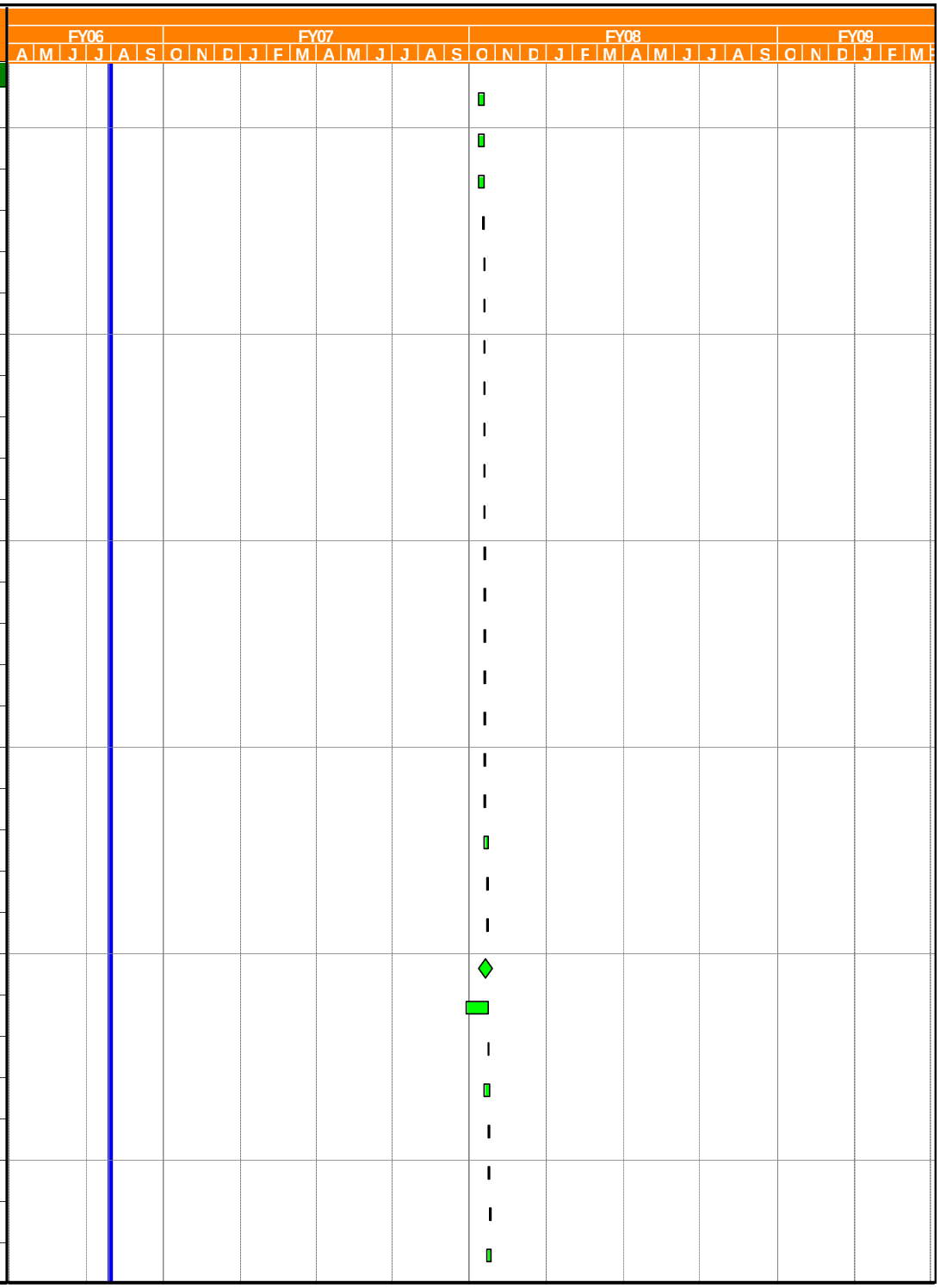
Activity ID	Activity Description	Orig Dur	Early Start	Early Finish
1.03.07.10				
LN710-1350	Secure Vacuum System	1	12/11/06	12/11/06
LN710-1370	COMP: L01 thru BC1 Out Removal	0		12/11/06
LN710-3570	Install lead stand and lead	5	12/08/06	12/14/06
LN710-3610	Align BC1 Output Components	5	12/11/06	12/15/06
LN710-3620	Install Beamline Drifts and Tighten all Flanges	4	12/18/06	12/21/06
LN710-3630	Pumpdown and Leack Check Sector 20 and 21	3	12/22/06	12/27/06
LN710-3660	Install plumbing to all devices	8	12/18/06	12/28/06
LN710-3670	COMP: L01 thru BC1 Out Installation	0		12/28/06
1.03.07.20				
LN720-2010	Planning, preperation and staging prior to downt	19	01/08/07	02/02/07
LN720-4030	Entrance Section Assy & Support Arrive at SLAC	10	03/28/07	04/10/07*
LN720-4070	EOU Arrive at SLAC	10	05/15/07	05/30/07
LN720-4080	Pre-Align EOU at SLAC	20	05/31/07	06/28/07
LN720-2270	Mark BC1 stand location	1	09/04/07	09/04/07
LN720-2640	BC1, S20/S21 Install power supply	1	09/04/07	09/04/07
LN720-2180	Install X Band Support	3	09/04/07	09/06/07
LN720-2650	Reconfigure SLC quadrupole to LCLS	3	09/04/07	09/06/07
LN720-2280	Install BC1 Chicane Supports	4	09/05/07	09/10/07
LN720-2290	Install BC1 Input Supports	2	09/11/07	09/12/07
LN720-2300	Install BC1 Output Supports	1	09/13/07	09/13/07
LN720-3020	DC Cable Installation	9	09/04/07	09/14/07
LN720-2310	Align BC1 Supports	1	09/14/07	09/14/07
LN720-2320	Grout Supports	2	09/17/07	09/18/07
LN720-2190	Install X Band Structure	1	09/19/07	09/19/07
LN720-2330	Install BX11 and CQ11	1	09/19/07	09/19/07
LN720-2200	Align X Band Structure	1	09/20/07	09/20/07
LN720-2340	Install BC1 Table Middle Vacuum Assy	2	09/20/07	09/21/07
LN720-2210	Install Upstream Slowvalve	1	09/21/07	09/21/07
LN720-2220	Install Downstram Slowvalve	1	09/24/07	09/24/07



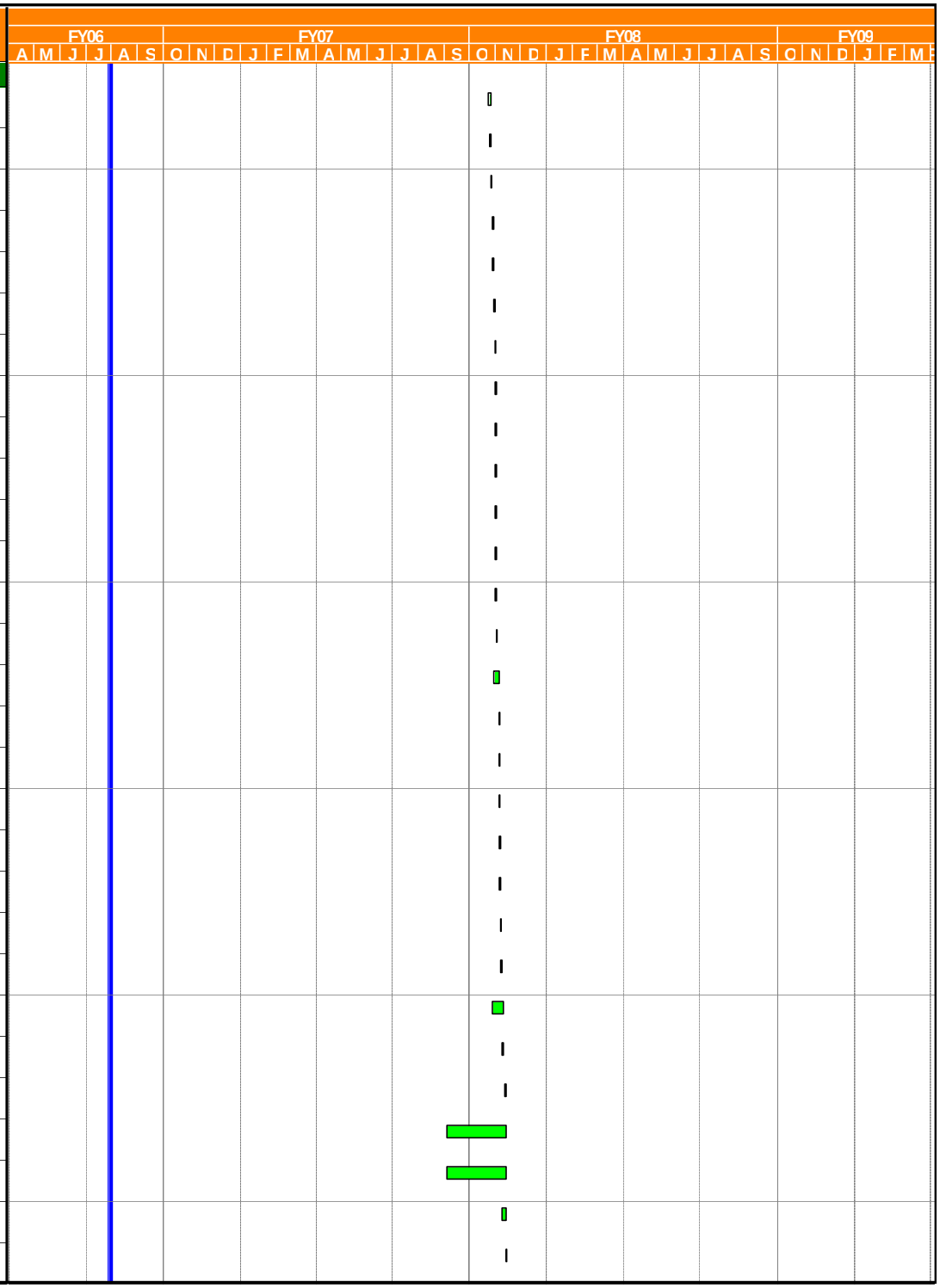
Activity ID	Activity Description	Orig Dur	Early Start	Early Finish
1.03.07.20				
LN720-2350	Install BC1 Table Downstream Vacuum Assy	2	09/24/07	09/25/07
LN720-3030	I&C Cable Installation	9	09/17/07	09/27/07
LN720-2360	Install BC1 Table Upstream Vacuum Assy	2	09/26/07	09/27/07
LN720-1020	Planning, preperation and staging prior to downt	19	09/04/07	09/28/07
LN720-2230	Install X Band Waveguide	5	09/25/07	10/01/07
LN720-2370	Install BC1 CQ12 and BX14	2	09/28/07	10/01/07
LN720-1030	Vent Sector 20	1	10/01/07	10/01/07
LN720-1040	Vent sector 21	1	10/02/07	10/02/07
LN720-1170	Remove BPM Cables from BPM 201 and BPM 301	2	10/02/07	10/03/07
LN720-2240	Pumpdown and Leakcheck	2	10/02/07	10/03/07
LN720-2380	Align BC1 Chicane Area	2	10/02/07	10/03/07
LN720-1050	Drain Water	2	10/03/07	10/04/07
LN720-2390	Install Quad Magnet QM12	1	10/04/07	10/04/07
LN720-2250	Install X Band LLRF	2	10/04/07	10/05/07
LN720-2400	Install Corrector YCM12	1	10/05/07	10/05/07
LN720-1060	Disconnect Water from Structures and Loads	2	10/05/07	10/08/07
LN720-2260	Install X Band Water	1	10/08/07	10/08/07
LN720-2410	Install B11	2	10/08/07	10/09/07
LN720-1070	Remove Magnet Power Leads	1	10/09/07	10/09/07
LN720-1080	Remove Klixon Leads	1	10/10/07	10/10/07
LN720-2420	Install BPMM12	1	10/10/07	10/10/07
LN720-1090	Remove LLRF	1	10/11/07	10/11/07
LN720-2430	Install Quad Magnet QM13	1	10/11/07	10/11/07
LN720-2440	Install Corrector XCM13	2	10/12/07	10/15/07
LN720-2450	Install IMBC10	1	10/16/07	10/16/07
LN720-1100	Remove Waveguide and Loads from Structure	4	10/12/07	10/17/07
LN720-1140	Remove Waveguide and Loads from Structure	4	10/12/07	10/17/07
LN720-1190	Remove Waveguide and Loads from Structure	4	10/12/07	10/17/07
LN720-1220	Remove Waveguide and Loads from Structure	4	10/12/07	10/17/07



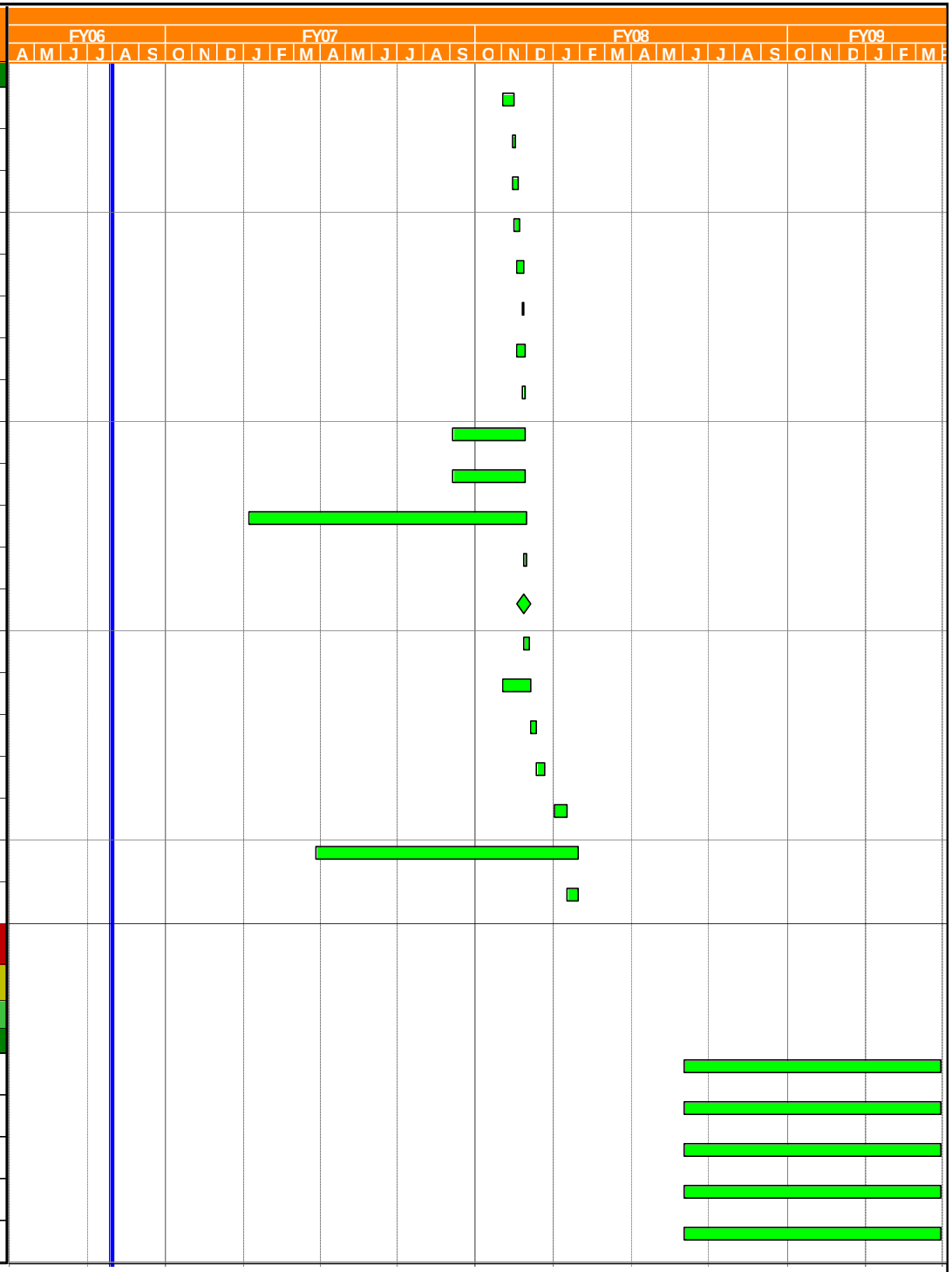
Activity ID	Activity Description	Orig Dur	Early Start	Early Finish
1.03.07.20				
LN720-1250	Remove Waveguide and Loads from Structure	4	10/12/07	10/17/07
LN720-1280	Remove Waveguide and Loads from Structure	4	10/12/07	10/17/07
LN720-1310	Remove Waveguide and Loads from Structure	4	10/12/07	10/17/07
LN720-2460	Install Wire Scanner WS11	1	10/17/07	10/17/07
LN720-1110	Remove fast valve between sector 20 and 21	1	10/18/07	10/18/07
LN720-1150	Grind upstream and downstream eyelets	1	10/18/07	10/18/07
LN720-1200	Grind upstream and downstream eyelets	1	10/18/07	10/18/07
LN720-1230	Grind upstream and downstream eyelets	1	10/18/07	10/18/07
LN720-1260	Grind upstream and downstream eyelets	1	10/18/07	10/18/07
LN720-1290	Grind upstream and downstream eyelets	1	10/18/07	10/18/07
LN720-2480	Install Current Monitor OTR12	1	10/18/07	10/18/07
LN720-1120	Grind upstream and downstream eyelets	1	10/19/07	10/19/07
LN720-1160	Remove Accelerator Section LI21 130 1C	1	10/19/07	10/19/07
LN720-1210	Remove Accelerator Section LI21 210 2A	1	10/19/07	10/19/07
LN720-1240	Remove Accelerator Section LI21 220 2B	1	10/19/07	10/19/07
LN720-1270	Remove Accelerator Section LI21 230 2C	1	10/19/07	10/19/07
LN720-1300	Remove Accelerator Section LI21 240 2D	1	10/19/07	10/19/07
LN720-2490	Install Wire Scanner WS12	1	10/19/07	10/19/07
LN720-1320	Remove vacuum header for BC1 chican table	3	10/18/07	10/22/07
LN720-1130	Remove Accelerator Section LI21 120 1B	1	10/22/07	10/22/07
LN720-1180	Remove Quad LI21 20 QEF 201	1	10/22/07	10/22/07
LN720-1370	COMP: L02, L03, BC2 Out Removal	0		10/22/07
LN720-3040	Cable Termination	18	09/28/07	10/23/07
LN720-1330	Grind upstream and downstream eyelets	1	10/23/07	10/23/07
LN720-2470	Install wire scanner lead stand and lead	5	10/18/07	10/24/07
LN720-2020	Install Accelerator Section LI21 120 1B	2	10/23/07	10/24/07
LN720-1340	Remove Quad LI21 30 QED 301	1	10/24/07	10/24/07
LN720-1350	Remove Accelerator Section LI21 310 3A	1	10/25/07	10/25/07
LN720-2500	Install wire scanner lead stand and lead	5	10/22/07	10/26/07



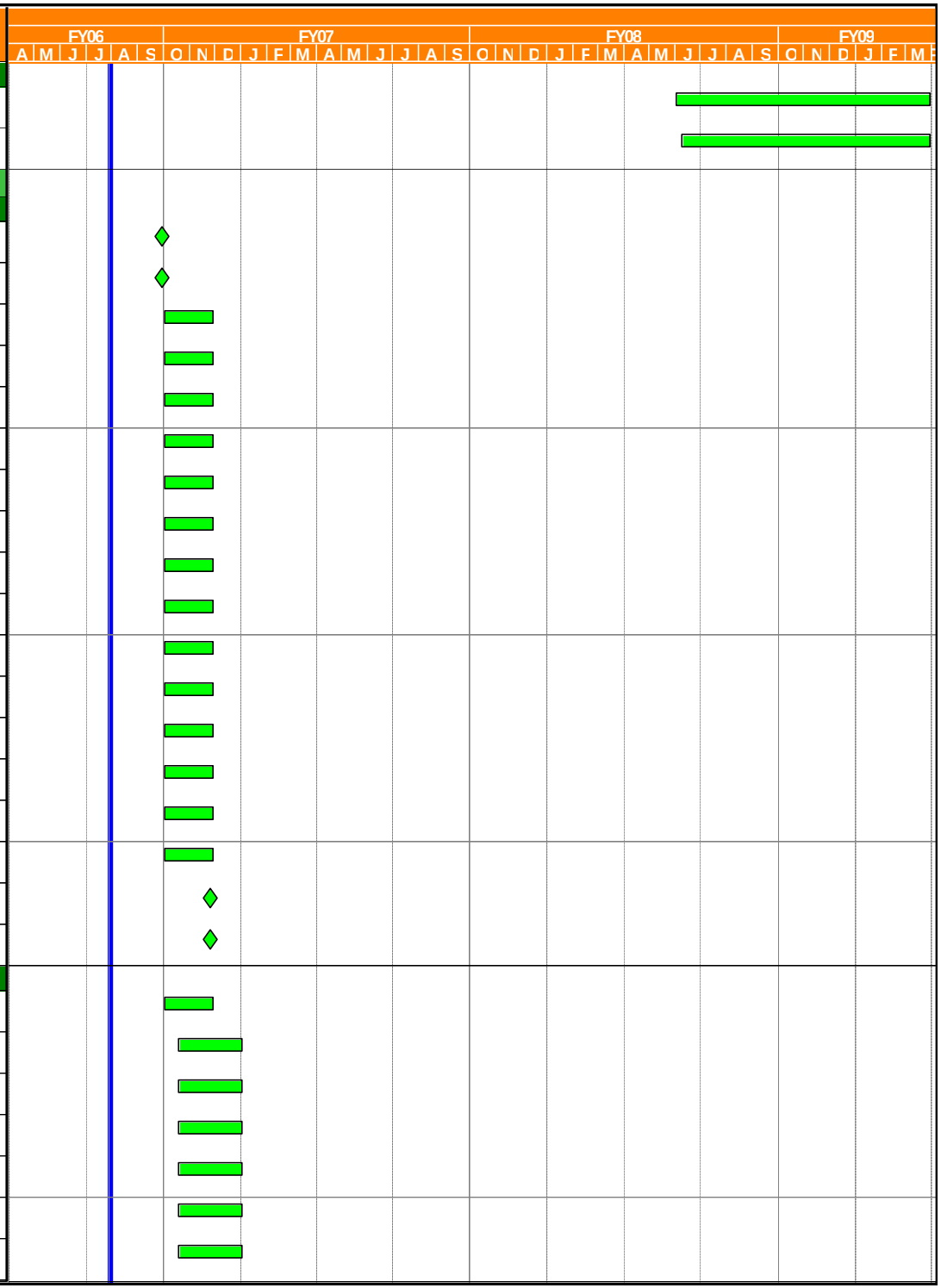
Activity ID	Activity Description	Orig Dur	Early Start	Early Finish
1.03.07.20				
LN720-3050	Cable Tagging & Testing	3	10/24/07	10/26/07
LN720-2030	Install Accelerator Section LI21 130 1C	2	10/25/07	10/26/07
LN720-1360	Secure Vacuum System	1	10/26/07	10/26/07
LN720-2040	Install QA11/BPMA11	1	10/29/07	10/29/07
LN720-2510	Install Wire Scanner WS13	1	10/29/07	10/29/07
LN720-2050	Install QA12/BPMA12	1	10/30/07	10/30/07
LN720-2060	Align Structures 1B and 1Cand Quad Magnets QA11	1	10/31/07	10/31/07
LN720-2070	Weld Upstream BPM Eyelet between 1B and 1C	1	11/01/07	11/01/07
LN720-2080	Weld Downstream BPM Eyelet between 1B and 1C	1	11/01/07	11/01/07
LN720-2090	Weld Upstream BPM Eyelet between 1C and 1D	1	11/01/07	11/01/07
LN720-2100	Weld Downstream BPM Eyelet between 1C and 1D	1	11/01/07	11/01/07
LN720-2110	Weld Adapter Eyelet to 2 3/4 CFF to downstream e	1	11/01/07	11/01/07
LN720-2170	Install XY Correctors on Structures 1B, 1C and 1	1	11/01/07	11/01/07
LN720-2120	Install Input Waveguide to Structure 120 1B	1	11/02/07	11/02/07
LN720-2520	Install wire scanner lead stand and lead	5	10/30/07	11/05/07
LN720-2130	Weld Wavguide to Manifold Eyelet	1	11/05/07	11/05/07
LN720-2140	Install Output Load to 120 1B	1	11/05/07	11/05/07
LN720-2160	Install Output Loads to 130 1C	1	11/05/07	11/05/07
LN720-2150	Install Input Waveguide to Structure 130 1C	2	11/05/07	11/06/07
LN720-2530	Install Corrector XC21301	1	11/06/07	11/06/07
LN720-2540	Install BPM21301	1	11/07/07	11/07/07
LN720-2550	Install Quad Magnet Q21301	1	11/08/07	11/08/07
LN720-3060	Cable Connections to Devices & Loads	10	10/29/07	11/09/07
LN720-2580	Install Corrector XCM14	1	11/09/07	11/09/07
LN720-2590	Install Quad Magnet QM14/BPM14	1	11/12/07	11/12/07
LN720-3000	Phase II Cable Installaiton - Gallery to Linac B	51	09/04/07	11/13/07
LN720-3010	Install Cables from Linac to Injection Vault	51	09/04/07	11/13/07
LN720-2560	Install PRTD11/TD11	3	11/09/07	11/13/07
LN720-2600	Install Quad Magnet QM15	1	11/13/07	11/13/07



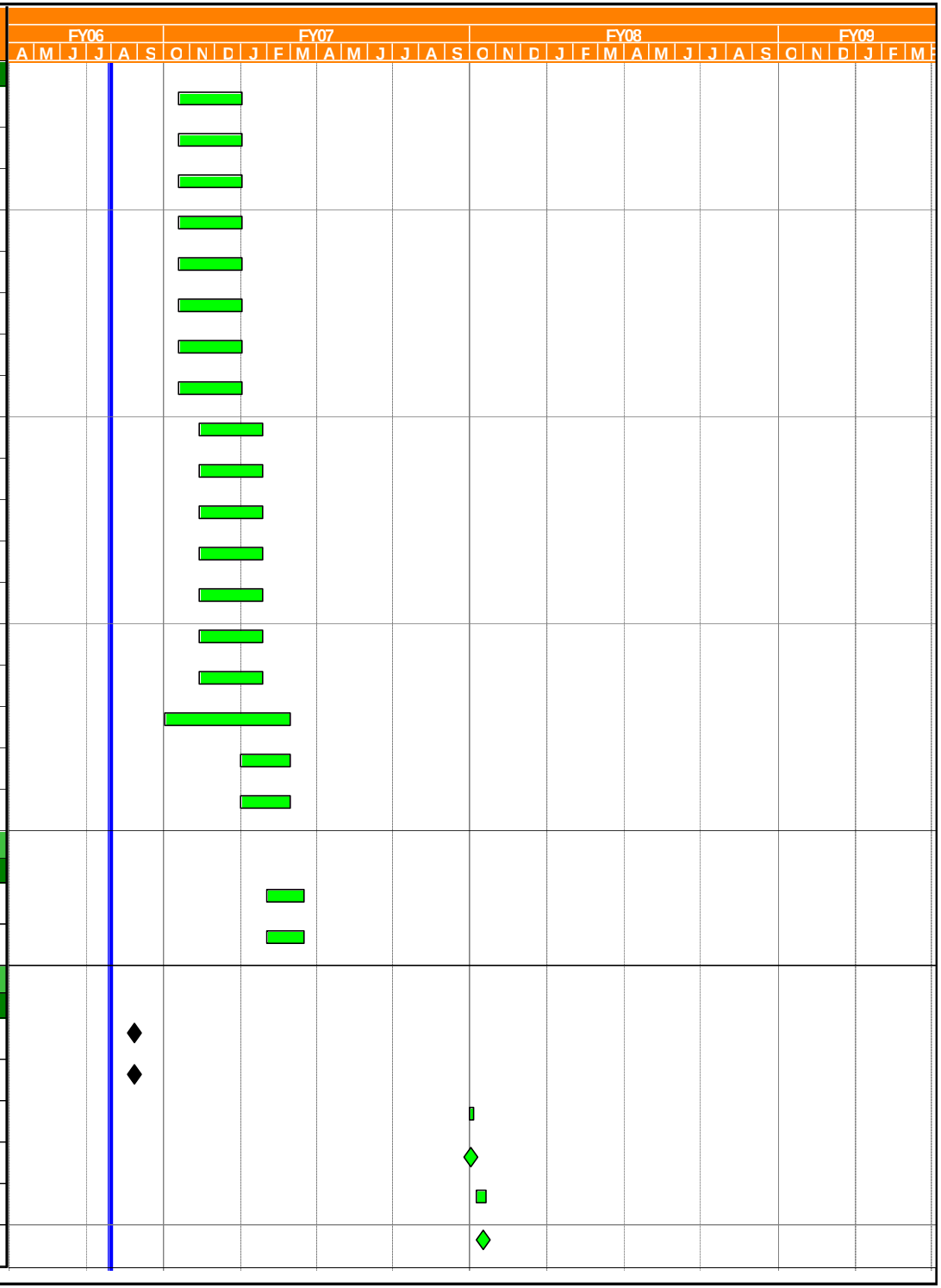
Activity ID	Activity Description	Orig Dur	Early Start	Early Finish
1.03.07.20				
LN720-4050	Exit Section Assembly & Support Arrive at SLAC	8	11/02/07	11/14/07
LN720-2610	Align BC1 Output Components	3	11/14/07	11/16/07
LN720-2570	Install lead stand and lead	5	11/14/07	11/20/07
LN720-4060	Install Exit Section Components	5	11/15/07	11/21/07
LN720-2620	Install Beamline Drifts and Tighten all Flanges	4	11/19/07	11/26/07
LN720-4020	Exit Section Supports Transport & Install	1	11/26/07	11/26/07
LN720-2660	Install plumbing to all devices	5	11/19/07	11/27/07
LN720-4010	Exit Section Supts Transport & Install	2	11/26/07	11/27/07
LN720-1000	Linac Integration Oversight 2007 Shut Down	60	09/04/07	11/28/07
LN720-1010	Beamline Equipment Removal for L02, L02, BC2 Out	60	09/04/07	11/28/07
LN720-2000	Beamline Equip Installation L02, L03, BC2 Out	227	01/08/07	11/29/07
LN720-2630	Pumpdown and Leack Check Sector 20 and 21	3	11/27/07	11/29/07
LN720-2670	COMP: L02, L03, BC2 Out Equip Installation	0		11/29/07
LN720-4040	Install Entrance Section Components	5	11/27/07	12/03/07
LN720-4090	Install EOU	20	11/02/07	12/04/07
LN720-4100	Align EOU	5	12/05/07	12/11/07
LN720-4110	Validate EOU	7	12/12/07	12/21/07
LN720-4120	Integrate EOU	10	01/02/08	01/15/08
LN720-4000	Linac Undulator Interface Summary	210	03/28/07	01/29/08
LN720-4130	Test EOU	10	01/16/08	01/29/08
2 LCLS PROJECT - R&D, SPARES, COMMISSIONING				
2.03 LINAC SYSTEM (OPC)				
2.03.01 Linac System Mgmt & Integration				
2.03.01.01 Linac System Mgmt & Integration				
LNX101-010	Linac System Management Effort - OPC	210*	06/02/08*	03/30/09
LNX101-020	Cost Account Managers - OPC	210*	06/02/08*	03/30/09
LNX101-030	Component Repair Coordination	210*	06/02/08*	03/30/09
LNX101-040	Materials & Supplies - OPC	210*	06/02/08*	03/30/09
LNX101-050	Linac System Area Management - OPC	210*	06/02/08*	03/30/09



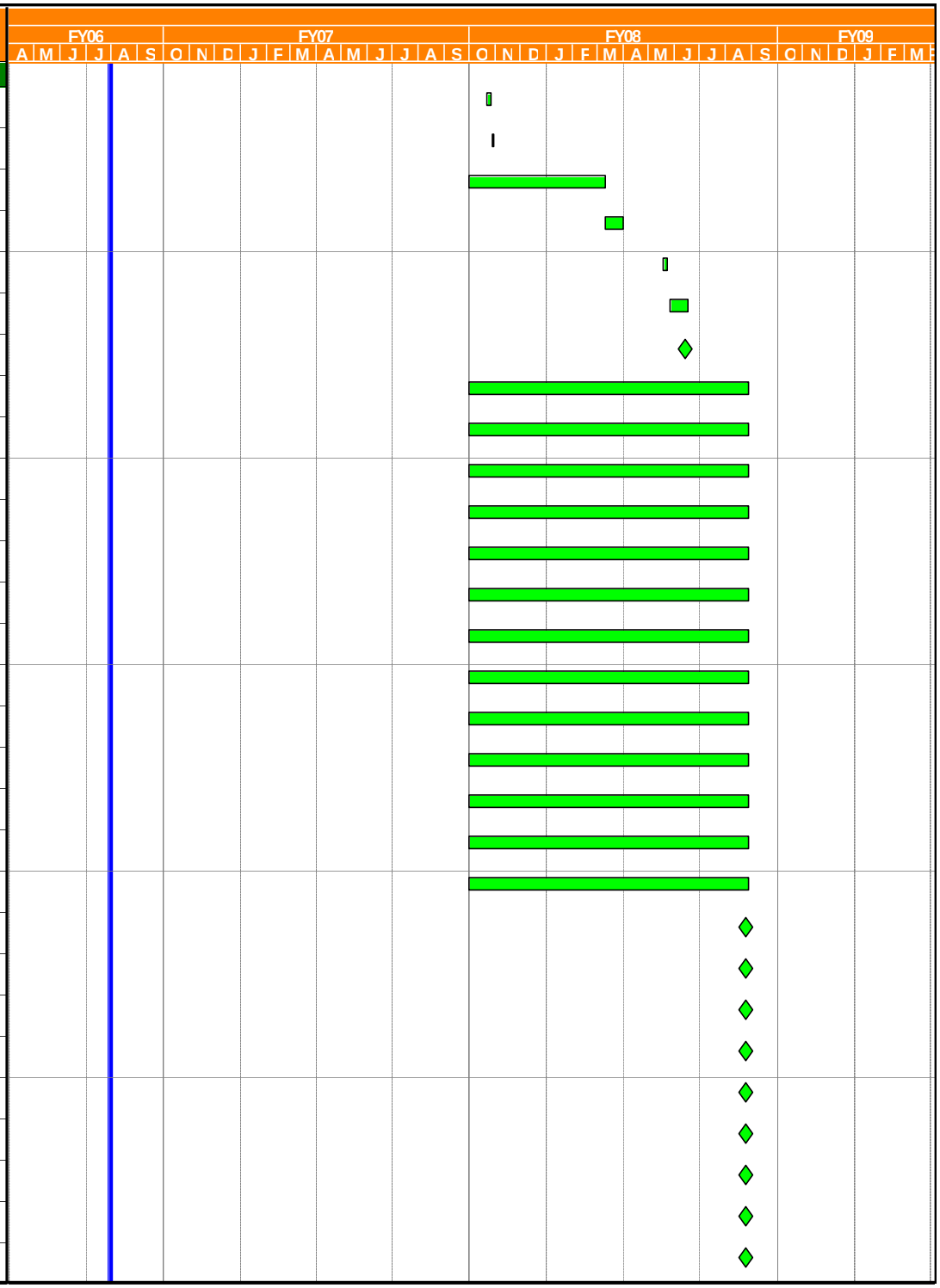
Activity ID	Activity Description	Orig Dur	Early Start	Early Finish
2.03.01.01 Linac System Mgmt & Integration				
LNX101-060	Linac System Safety Coordination - OPC	210*	06/02/08*	03/30/09
LNX101-000	Linac System Pre-Operations	198	06/09/08*	03/30/09
2.03.04 Linac Vacuum Subsystem				
2.03.04.01 Linac Vacuum Subsystem Operations Equip				
LNX401-010	Begin Varian Pumpdown Cart (3ea) Eq Procurement	0	10/03/06	
LNX401-150	Begin Leybold Leak Detector (1ea) Eq Procurement	0	10/03/06	
LNX401-000	LINAC VACUUM SUBSYSTEM TEST EQUIP SUMMARY	40	10/03/06	11/29/06
LNX401-020	Procure Basic Unit, V70LP Turbo, MSP5366	40	10/03/06	11/29/06
LNX401-030	Procure Dry Scroll Pump, MSP1001	40	10/03/06	11/29/06
LNX401-040	Procure Multigauge Controller, MSP0125	40	10/03/06	11/29/06
LNX401-050	Procure Thermocouple Board, MSP0126	40	10/03/06	11/29/06
LNX401-060	ProcureCold Cathode Board, MSPL9066	40	10/03/06	11/29/06
LNX401-070	Procure Setpoint Board, MSP 0130	40	10/03/06	11/29/06
LNX401-080	Procure Remote Input/Output Board, MSPL8324	40	10/03/06	11/29/06
LNX401-090	Procure Standard RS 485/422 O/I Board, MSPL8490	40	10/03/06	11/29/06
LNX401-100	Procure Inverted Magnetron CC Gauge, MSPL9062	40	10/03/06	11/29/06
LNX401-110	Procure Gauge Tube, Thrmcpl, 2 3/4 CFF, MSP5316	40	10/03/06	11/29/06
LNX401-120	Procure Emergency Vent, MSP0132	40	10/03/06	11/29/06
LNX401-130	Procure Forced Aircooling, MSP0136	40	10/03/06	11/29/06
LNX401-160	Procure Misc Leybold Leak Detector Equip	40	10/03/06	11/29/06
LNX401-140	RCV: Equip for Varian Pumpdown Carts (3ea)	0		11/29/06
LNX401-170	RCV: Equip for Leybold Leak Detector (1ea)	0		11/29/06
2.03.04.07 Vacuum Undulator Interface				
LNX407-185	Rec: Pneumatic Gate Valve	40	10/03/06	11/29/06
LNX407-105	Rec: Standard Entrance Chamber	40	10/20/06	01/02/07
LNX407-110	Rec: Entrance Bellows	40	10/20/06	01/02/07
LNX407-115	Rec: Entrance Upstream Chamber	40	10/20/06	01/02/07
LNX407-120	Rec: Pump Manifold	40	10/20/06	01/02/07
LNX407-125	Rec: Ion Pump	40	10/20/06	01/02/07
LNX407-130	Rec: Ion Pump Controller	40	10/20/06	01/02/07



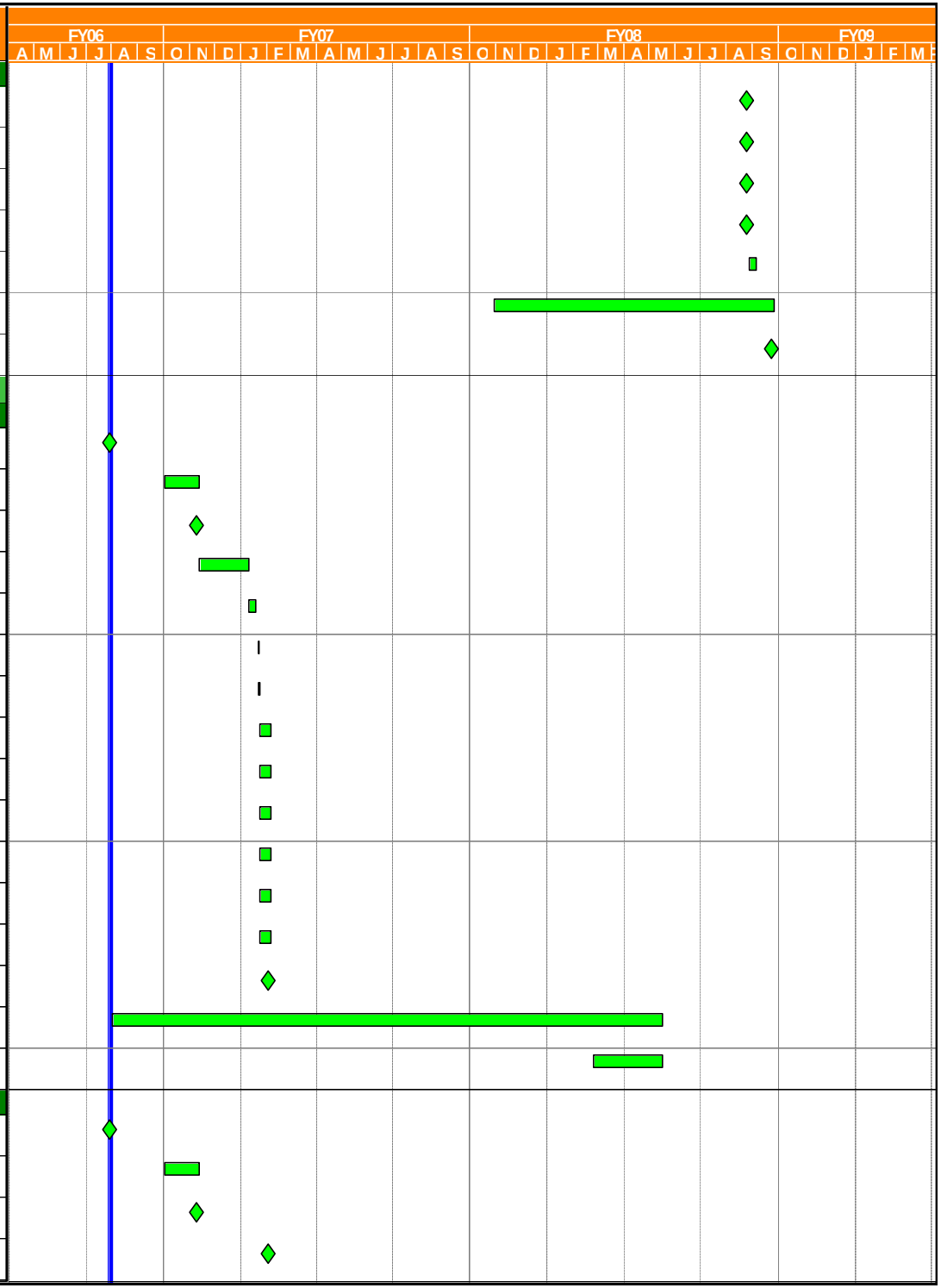
Activity ID	Activity Description	Orig Dur	Early Start	Early Finish
2.03.04.07 Vacuum Undulator Interface				
LNX407-135	Rec: Ion Pump Cable	40	10/20/06	01/02/07
LNX407-140	Rec: Gate Valve	40	10/20/06	01/02/07
LNX407-145	Rec: Valve	40	10/20/06	01/02/07
LNX407-155	Rec: RGA	40	10/20/06	01/02/07
LNX407-160	Rec: Entrance Chamber Support	40	10/20/06	01/02/07
LNX407-165	Rec: Chamber Mount	40	10/20/06	01/02/07
LNX407-170	Rec: Ion Pump Support	40	10/20/06	01/02/07
LNX407-175	Rec: Gate Valve Support	40	10/20/06	01/02/07
LNX407-200	Exit Assmbly Section Summary- OPC	49	11/14/06	01/26/07
LNX407-205	Rec.: Standard Exit Chamber	40	11/14/06	01/26/07
LNX407-210	Rec: Exit Downstream Chamber	40	11/14/06	01/26/07
LNX407-215	Rec: Turbo Pump	40	11/14/06	01/26/07
LNX407-220	Rec: Roughing Pump	40	11/14/06	01/26/07
LNX407-225	Rec: Standard Exit Chamber Support	40	11/14/06	01/26/07
LNX407-230	Rec: Exit Downstream Chamber Support	40	11/14/06	01/26/07
LNX407-100	Entrance Assmbly Section Summary - OPC	101	10/03/06	02/28/07
LNX407-150	Rec: Vacuum Gauge	40	01/02/07	02/28/07
LNX407-180	Rec: RGA Support	40	01/02/07	02/28/07
2.03.05 Linac Electron Diagnostics				
2.03.05.14				
LNX514-000	Charge Monitor (Entrance/Exit Assy) Summary -OPC	30	02/02/07	03/16/07
LNX514-010	Rec: Charge Monitor Package (1)	30	02/02/07	03/16/07
2.03.06 Linac RF Subsystem				
2.03.06.05 X-Band High Power System				
LNX605-100	RCV: Tank - SPARE	0		08/31/06A
LNX605-105	RCV: Pulsed Transformer - SPARE	0		08/31/06A
LNX605-040	Prep Bid Pak - X-Band Klystron	5	10/01/07*	10/05/07
LNX605-045	RELEASE: RFP - X-Band Klystron	0		10/05/07
LNX605-050	Vendors Prep Proposals - Klystron System	10	10/08/07	10/19/07
LNX605-055	RCV: Vendor Proposals - X-Band Klystron	0		10/19/07



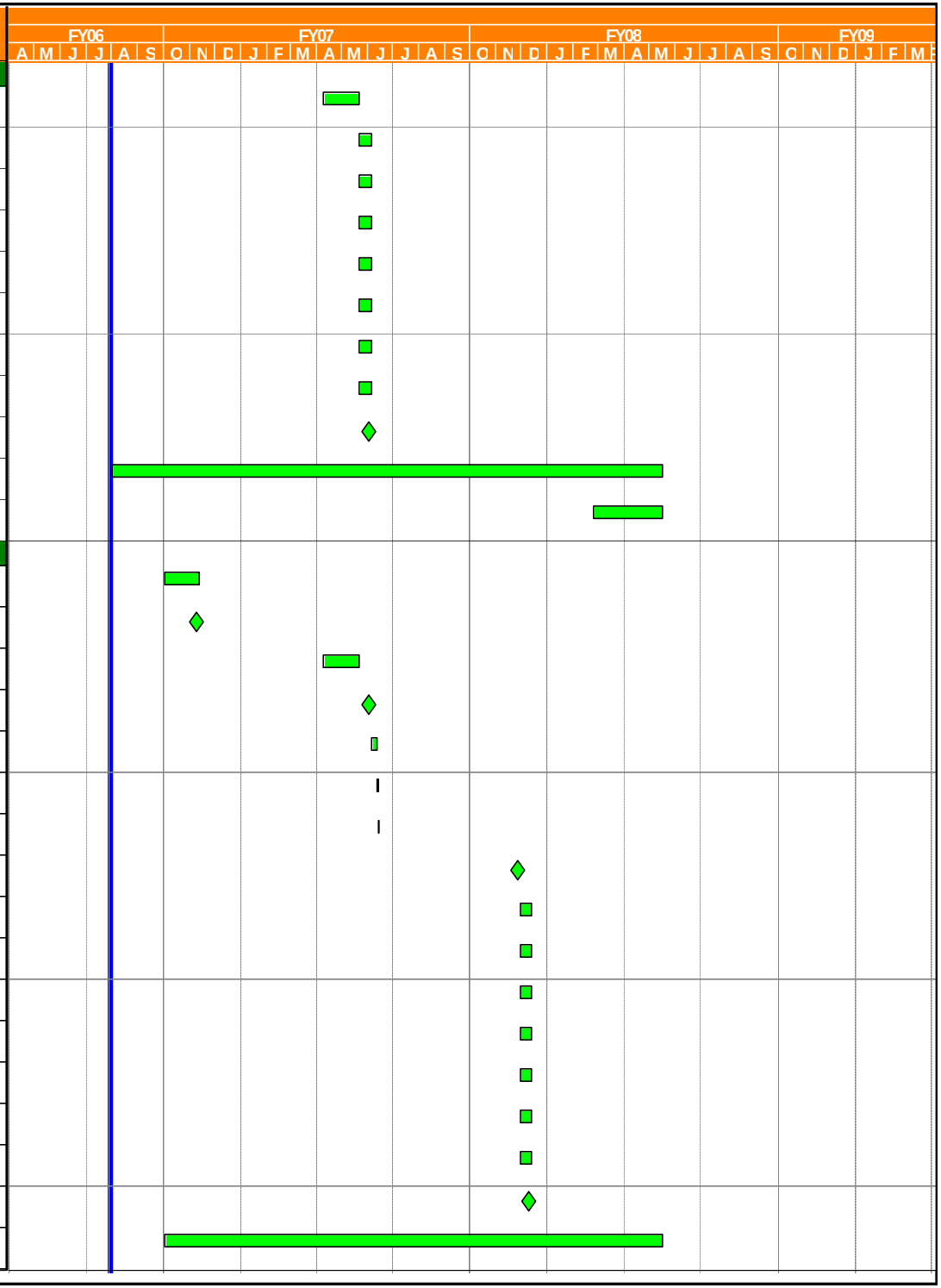
Activity ID	Activity Description	Orig Dur	Early Start	Early Finish
2.03.06.05 X-Band High Power System				
LNX605-060	Evaluate Vendor Proposals - Klystron System	5	10/22/07	10/26/07
LNX605-065	AWARD: X-Band Klystrons (Spares)	1	10/29/07	10/29/07
LNX605-090	Fab & Assemble X-Band Klystron - SPARE	100	10/01/07*	03/10/08
LNX605-195	Dress Klystron - SPARE	15	03/11/08*	03/31/08
LNX605-190	Assemble Tank - SPARE	5	05/19/08*	05/23/08
LNX605-200	Test Klystron / Tank Assembly - SPARE	15	05/27/08	06/16/08
LNX605-205	AVAIL: Klystron / Tank Assembly - SPARE	0		06/16/08
LNX605-000	Procure X-Band TWT Driver - SPARE	220	10/01/07*	08/27/08
LNX605-010	Procure X-Band 4 X Multiplier - SPARE	220	10/01/07	08/27/08
LNX605-020	Procure X-Band Phase & Amp Dectector - SPARE	220	10/01/07	08/27/08
LNX605-030	Procure X-Band Strpline Couplers - SPARE	220	10/01/07	08/27/08
LNX605-080	Procure Mounting Support - SPARE	220	10/01/07*	08/27/08
LNX605-110	Procure Cap Divider - SPARE	220	10/01/07*	08/27/08
LNX605-120	Procure Heater Isolation - SPARE	220	10/01/07*	08/27/08
LNX605-130	Procure Toroid & Misc - SPARE	220	10/01/07*	08/27/08
LNX605-140	Procure Interlocks - SPARE	220	10/01/07*	08/27/08
LNX605-150	Procure HV Connectors - SPARE	220	10/01/07*	08/27/08
LNX605-160	Procure Magnet Power Supply - SPARE	220	10/01/07*	08/27/08
LNX605-170	Procure Power Supply Cabling - SPARE	220	10/01/07*	08/27/08
LNX605-180	Procure Cathode Ion Pump - SPARE	220	10/01/07*	08/27/08
LNX605-005	RCV: X-Band TWT Driver - SPARE	0		08/27/08
LNX605-015	RCV: X-Band 4 X Multiplier - SPARE	0		08/27/08
LNX605-025	RCV: X-Band Phase & Amp Dectector - SPARE	0		08/27/08
LNX605-035	RCV: X-Band Strpline Couplers - SPARE	0		08/27/08
LNX605-085	RCV: Mounting Support - SPARE	0		08/27/08
LNX605-115	RCV: Cap Divider - SPARE	0		08/27/08
LNX605-125	RCV: Heater Isolation - SPARE	0		08/27/08
LNX605-135	RCV: Toroid & Misc - SPARE	0		08/27/08
LNX605-145	RCV: Interlocks - SPARE	0		08/27/08



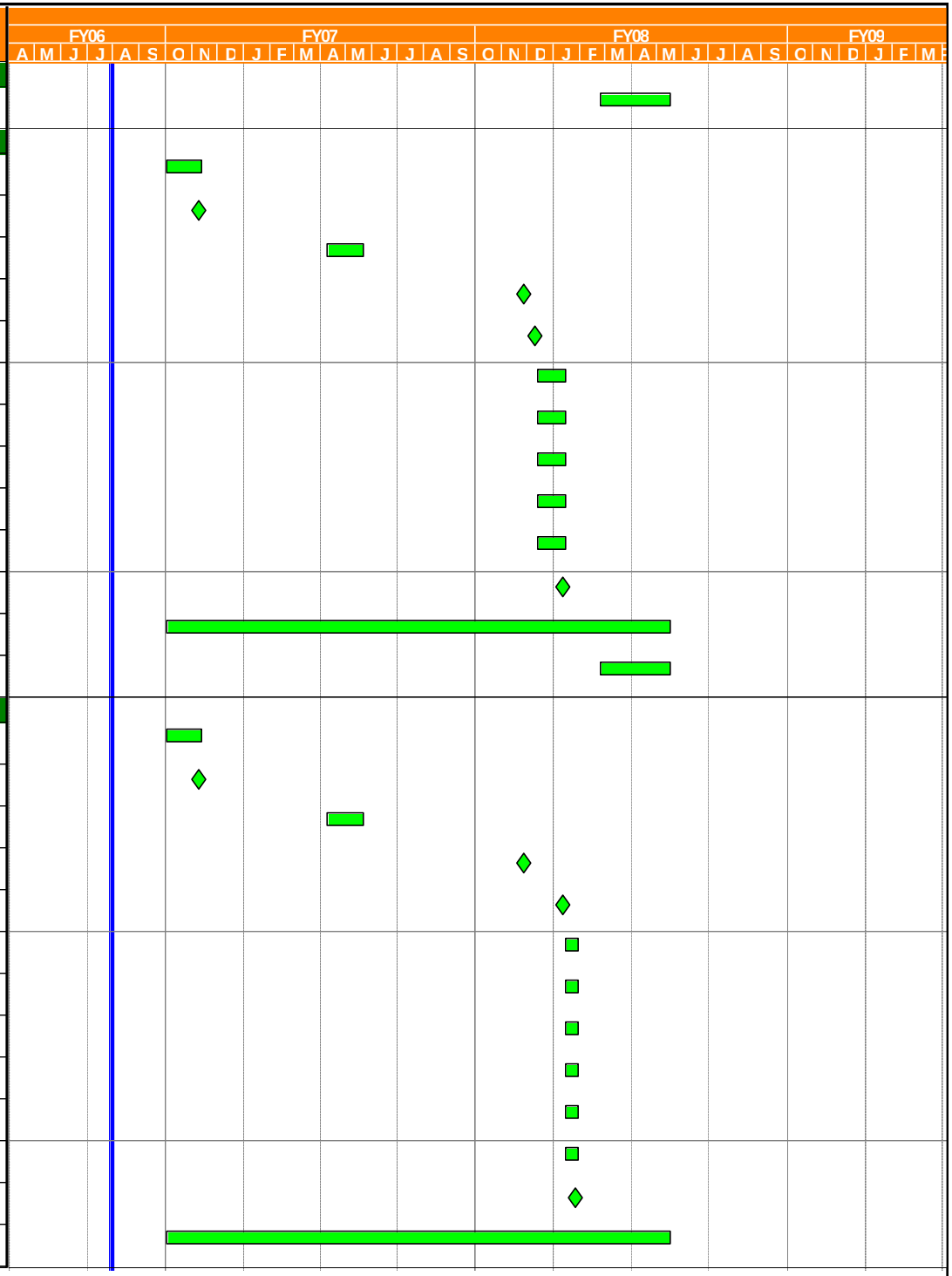
Activity ID	Activity Description	Orig Dur	Early Start	Early Finish
2.03.06.05 X-Band High Power System				
LNX605-155	RCV: HV Connectors - SPARE	0		08/27/08
LNX605-165	RCV: Magnet Power Supply - SPARE	0		08/27/08
LNX605-175	RCV: Power Supply Cabling - SPARE	0		08/27/08
LNX605-185	RCV: Cathode Ion Pump - SPARE	0		08/27/08
LNX605-095	Fab & Asemble Mounting Support - SPARE	5	08/28/08	09/04/08
LNX605-070	Vendor Fab & Assy -X-Band Klystrons - SPARE	220	10/30/07	09/26/08
LNX605-075	RCV: X-Band Klystrons - SPARE	0		09/26/08
2.03.07 Linac System Commissioning				
2.03.07.01 Linac L01 System Commissioning				
LNX701-005	REQD: L01 Equipment Ready for Commissioning	0		08/01/06
LNX701-010	Develop Commissioning Plans	30	10/03/06	11/13/06
LNX701-015	COMP: Commissioning Plans Complete	0		11/13/06
LNX701-020	Write Bm Authorization Sheet (BAS) Requirements	30	11/14/06	01/11/07
LNX701-025	Obtain Beam Authorization Sheet (BAS)	5	01/12/07	01/19/07
LNX701-030	PPS Checkout Linac	1	01/22/07	01/22/07
LNX701-035	Search and Lock Linac	1	01/23/07	01/23/07
LNX701-040	Commission L01, Physics	10	01/24/07	02/06/07
LNX701-045	Commission L01, Operations	10	01/24/07	02/06/07
LNX701-050	Support L01 Commissioning RF	10	01/24/07	02/06/07
LNX701-055	Support L01 Commissioning Mechanical	10	01/24/07	02/06/07
LNX701-060	Support L01 Commissioning Survey	10	01/24/07	02/06/07
LNX701-065	Support L01 Commissioning Power Conv	10	01/24/07	02/06/07
LNX701-070	COMP: L01 Commissioning Complete	0		02/06/07
LNX701-000	LINAC L01 COMMISSIONING SUMMARY	433	08/02/06	05/16/08
LNX701-075	L01 System Available for Undulator Commissioning	60	02/25/08	05/16/08
2.03.07.02 Linac BC1 System Commissioning				
LNX702-005	REQD: BC1 Equipment Ready for Commissioning	0		08/01/06
LNX702-010	Develop Comissioning Plans	30	10/03/06	11/13/06
LNX702-015	COMP: Comissioning Plans Complete	0		11/13/06
LNX702-025	REQD: L01 Commissioning Complete	0		02/06/07



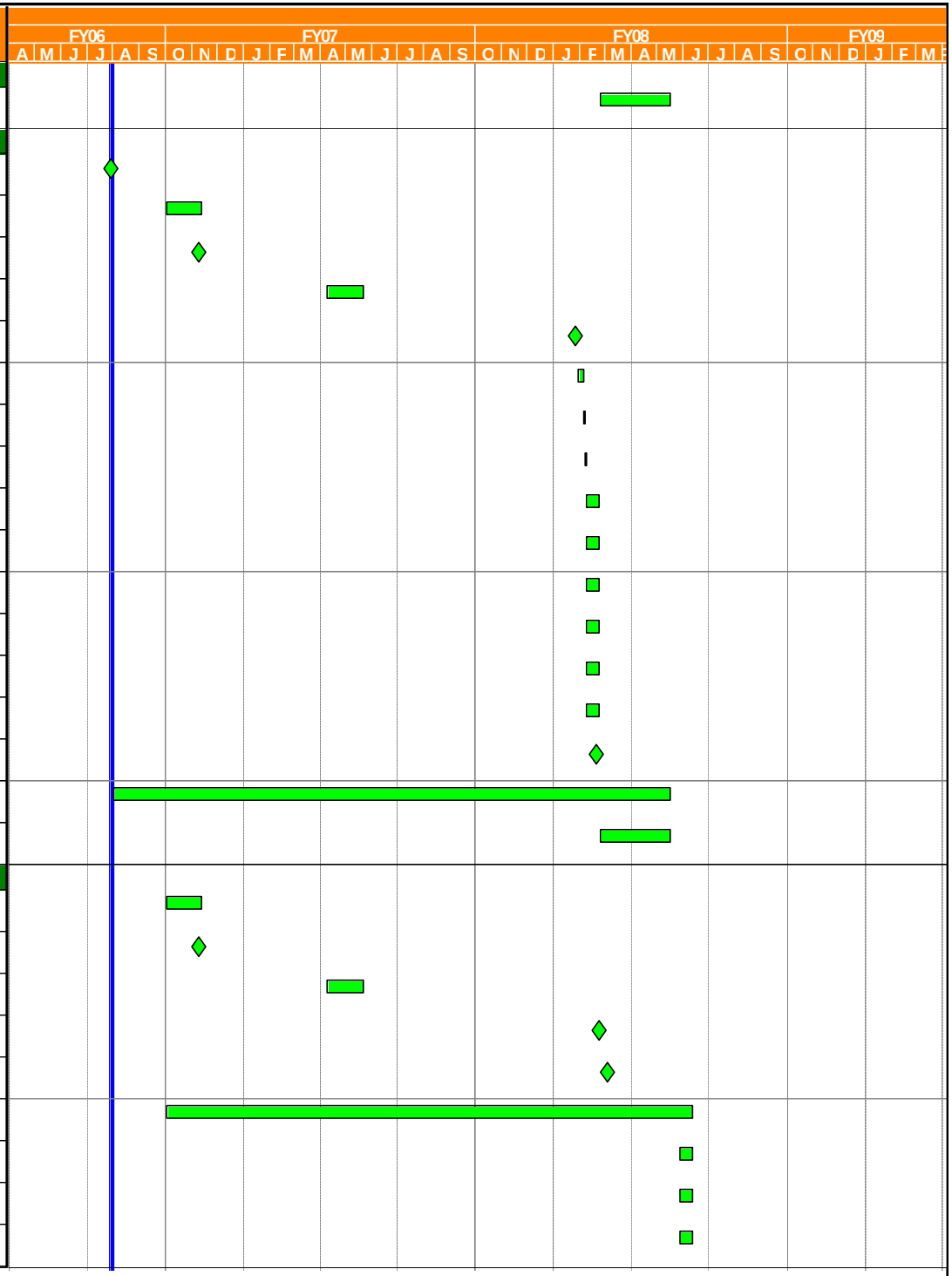
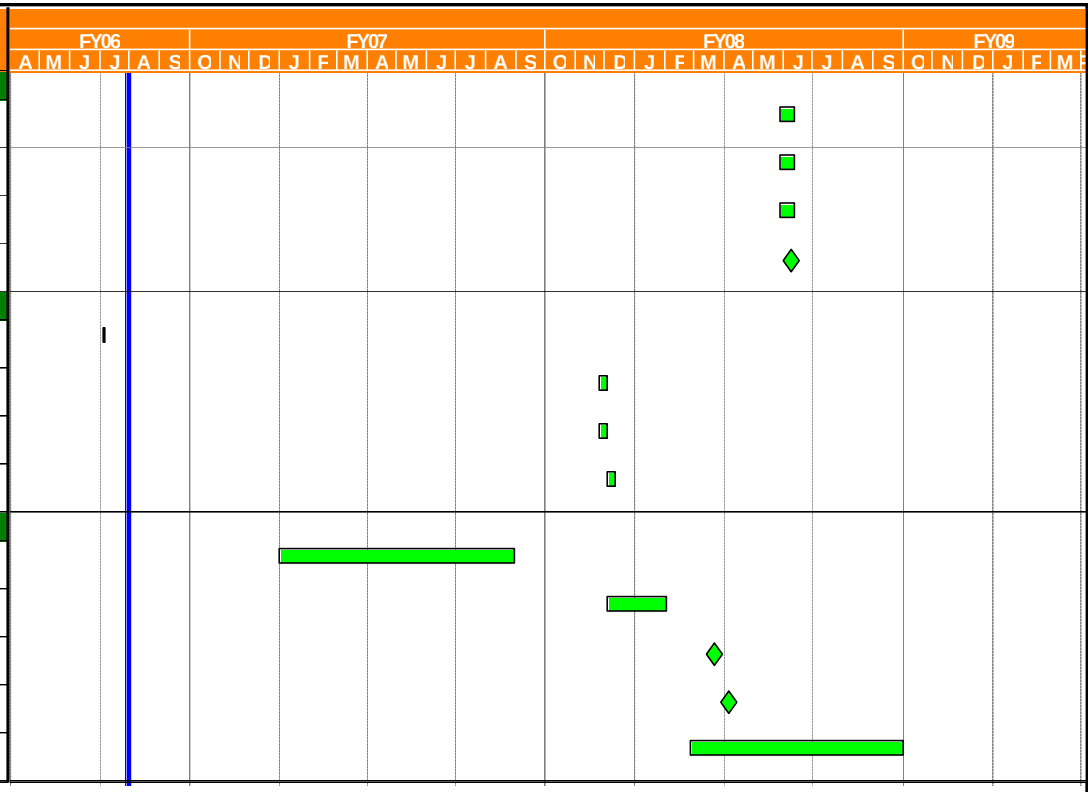
Activity ID	Activity Description	Orig Dur	Early Start	Early Finish
2.03.07.02 Linac BC1 System Commissioning				
LNX702-020	Write Bm Authorization Sheet (BAS) Requirements	30	04/10/07	05/21/07
LNX702-030	Commission BC1, Physics	10	05/22/07	06/05/07
LNX702-035	Commission BC1, Operations	10	05/22/07	06/05/07
LNX702-040	Support BC1 Comissioning RF	10	05/22/07	06/05/07
LNX702-045	Support BC1 Comissioning Hardware	10	05/22/07	06/05/07
LNX702-050	Support BC1 Comissioning Mechanical	10	05/22/07	06/05/07
LNX702-055	Support BC1 Comissioning Survey	10	05/22/07	06/05/07
LNX702-060	Support BC1 Comissioning Power Conv	10	05/22/07	06/05/07
LNX702-065	COMP: BC1 Comissioning Complete	0		06/05/07
LNX702-000	LINAC BC1 COMMISSIONING SUMMARY	433	08/02/06	05/16/08
LNX702-070	BC1 System Available for Undulator Commissioning	60	02/25/08	05/16/08
2.03.07.03 Linac L02 System Commissioning				
LNX703-010	Develop Comissioning Plans	30	10/03/06	11/13/06
LNX703-015	COMP: Comissioning Plans Complete	0		11/13/06
LNX703-020	Write Bm Authorization Sheet (BAS) Requirements	30	04/10/07	05/21/07
LNX703-025	REQD: L01 & BC1 Comissioning Complete	0		06/05/07
LNX703-030	Obtain Beam Authorization Sheet (BAS)	5	06/06/07	06/12/07
LNX703-035	PPS Checkout Linac	1	06/13/07	06/13/07
LNX703-040	Search and Lock Linac	1	06/14/07	06/14/07
LNX703-005	REQD: L02 Equipment Ready for Commissioning	0		11/29/07
LNX703-045	Commission L02, Physics	10	11/30/07	12/13/07
LNX703-050	Commission L02, Operations	10	11/30/07	12/13/07
LNX703-055	Support L02 Comissioning RF	10	11/30/07	12/13/07
LNX703-060	Support L02 Comissioning Hardware	10	11/30/07	12/13/07
LNX703-065	Support L02 Comissioning Mechanical	10	11/30/07	12/13/07
LNX703-070	Support L02 Comissioning Survey	10	11/30/07	12/13/07
LNX703-075	Support L02 Comissioning Power Conv	10	11/30/07	12/13/07
LNX703-080	COMP: L02 Comissioning Complete	0		12/13/07
LNX703-000	LINAC L02 COMMISSIONING SUMMARY	390	10/03/06	05/16/08



Activity ID	Activity Description	Orig Dur	Early Start	Early Finish
2.03.07.03 Linac L02 System Commissioning				
LNX703-085	L02 System Available for Undulator Commissioning	60	02/25/08	05/16/08
2.03.07.04 Linac BC2 System Commissioning				
LNX704-010	Develop Comissioning Plans	30	10/03/06	11/13/06
LNX704-015	COMP: Comissioning Plans Complete	0		11/13/06
LNX704-020	Write Bm Authorization Sheet (BAS) Requirements	30	04/10/07	05/21/07
LNX704-005	REQD: BC2 Equipment Ready for Commissioning	0		11/29/07
LNX704-025	REQD: BC1 & L02 Comissioning Complete	0		12/13/07
LNX704-030	Commission BC2, Physics	10	12/14/07	01/14/08
LNX704-035	Commission BC2, Operations	10	12/14/07	01/14/08
LNX704-040	Support BC2 Comissioning Mechanical	10	12/14/07	01/14/08
LNX704-045	Support BC2 Comissioning Survey	10	12/14/07	01/14/08
LNX704-050	Support BC2 Comissioning Power Conv	10	12/14/07	01/14/08
LNX704-055	COMP: BC2 Comissioning Complete	0		01/14/08
LNX704-000	LINAC BC2 COMMISSIONING SUMMARY	390	10/03/06	05/16/08
LNX704-060	BC2 System Available for Undulator Commissioning	60	02/25/08	05/16/08
2.03.07.05 Linac L03 System Commissioning				
LNX705-010	Develop Comissioning Plans	30	10/03/06	11/13/06
LNX705-015	COMP: Comissioning Plans Complete	0		11/13/06
LNX705-020	Write Bm Authorization Sheet (BAS) Requirements	30	04/10/07	05/21/07
LNX705-005	REQD: L03 Equipment Ready for Commissioning	0		11/29/07
LNX705-025	REQD: L02 & BC2 Comissioning Complete	0		01/14/08
LNX705-030	Commission L03, Physics	10	01/15/08	01/29/08
LNX705-035	Commission L03, Operations	10	01/15/08	01/29/08
LNX705-040	Support L03 Comissioning RF	10	01/15/08	01/29/08
LNX705-045	Support L03 Comissioning Mechanical	10	01/15/08	01/29/08
LNX705-050	Support L03 Comissioning Survey	10	01/15/08	01/29/08
LNX705-055	Support L03 Comissioning Power Conv	10	01/15/08	01/29/08
LNX705-060	COMP: L03 Comissioning Complete	0		01/29/08
LNX705-000	LINAC L03 COMMISSIONING SUMMARY	390	10/03/06	05/16/08



Activity ID	Activity Description	Orig Dur	Early Start	Early Finish
2.03.07.05 Linac L03 System Commissioning				
LNX705-065	L03 System Available for Undulator Commissioning	60	02/25/08	05/16/08
2.03.07.06 Linac LTU System Commissioning				
LNX706-005	REQD: LTU Equipment Ready for Commissioning	0		08/01/06
LNX706-010	Develop Comissioning Plans	30	10/03/06	11/13/06
LNX706-015	COMP: Comissioning Plans Complete	0		11/13/06
LNX706-020	Write Bm Authorization Sheet (BAS) Requirements	30	04/10/07	05/21/07
LNX706-025	REQD: L01,02,03 & BC1,2 Comissioning Complete	0		01/29/08
LNX706-030	Obtain Beam Authorization Sheet (BAS)	5	01/30/08	02/05/08
LNX706-035	PPS Checkout Linac	1	02/06/08	02/06/08
LNX706-040	Search and Lock Linac	1	02/07/08	02/07/08
LNX706-045	Commission LTU, Physics	10	02/08/08	02/22/08
LNX706-050	Commission LTU, Operations	10	02/08/08	02/22/08
LNX706-055	Support LTU Comissioning Hardware	10	02/08/08	02/22/08
LNX706-060	Support LTU Comissioning Mechanical	10	02/08/08	02/22/08
LNX706-065	Support LTU Comissioning Survey	10	02/08/08	02/22/08
LNX706-070	Support LTU Comissioning Power Conv	10	02/08/08	02/22/08
LNX706-075	COMP: LTU Commissioning Complete	0		02/22/08
LNX706-000	LINAC LTU COMMISSIONING SUMMARY	433	08/02/06	05/16/08
LNX706-080	LTU System Available for Undulator Commissioning	60	02/25/08	05/16/08
2.03.07.07 Linac E-Dump System Commissioining				
LNX707-010	Develop Comissioning Plans	30	10/03/06	11/13/06
LNX707-015	COMP: Comissioning Plans Complete	0		11/13/06
LNX707-020	Write Bm Authorization Sheet (BAS) Requirements	30	04/10/07	05/21/07
LNX707-005	REQD: E-Dump Equipment Ready for Commissioning	0		02/26/08
LNX707-025	REQD: L01,2,3, BC1,2 & LTU Comissioning Complete	0		03/07/08
LNX707-000	LINAC E-DUMP COMMISSIONING SUMMARY	407	10/03/06	06/11/08
LNX707-030	Commission E-Dump, Physics	10	05/29/08	06/11/08
LNX707-035	Commission E-Dump, Operations	10	05/29/08	06/11/08
LNX707-040	Support E-Dump Comissioning Hardware	10	05/29/08	06/11/08



Activity ID	Activity Description	Orig Dur	Early Start	Early Finish
2.03.07.07 Linac E-Dump System Commissioining				
LNX707-045	Support E-Dump Comissioning Mechanical	10	05/29/08	06/11/08
LNX707-050	Support E-Dump Comissioning Survey	10	05/29/08	06/11/08
LNX707-055	Support E-Dump Comissioning Power Conv	10	05/29/08	06/11/08
LNX707-060	COMP: E-Dump Comissioning Complete Ready for Ops	0		06/11/08
2.03.07.08 Linac Undulator Interface				
LNX708-000	Linac Undulator Interface OPC	1	07/05/06A	07/05/06A
LNX708-010	Commission - Exit Section Assy	5	11/26/07	12/03/07
LNX708-015	Commission Charge Monitor	5	11/26/07	12/03/07
LNX708-005	Commission - Entrance Section Assy	5	12/04/07	12/10/07
2.03.07.10 Linac Commissioning (L1,BC1,L2,BC2,L3,LTU,EDump)				
LNX710-000	Linac Commissioning (L1,BC1)	169*	01/02/07*	08/30/07
LNX710-010	Linac Commissioning (L2,BC2,L3)	40*	12/03/07*	02/01/08
LNX710-040	REQD: Electron Dump Stoppers Certified	0		03/25/08
LNX710-030	AVAIL: Electrons to Undulator	0		04/08/08
LNX710-020	Linac Commissioning (LTU,EDump,UN Interface)	152*	02/27/08	09/30/08