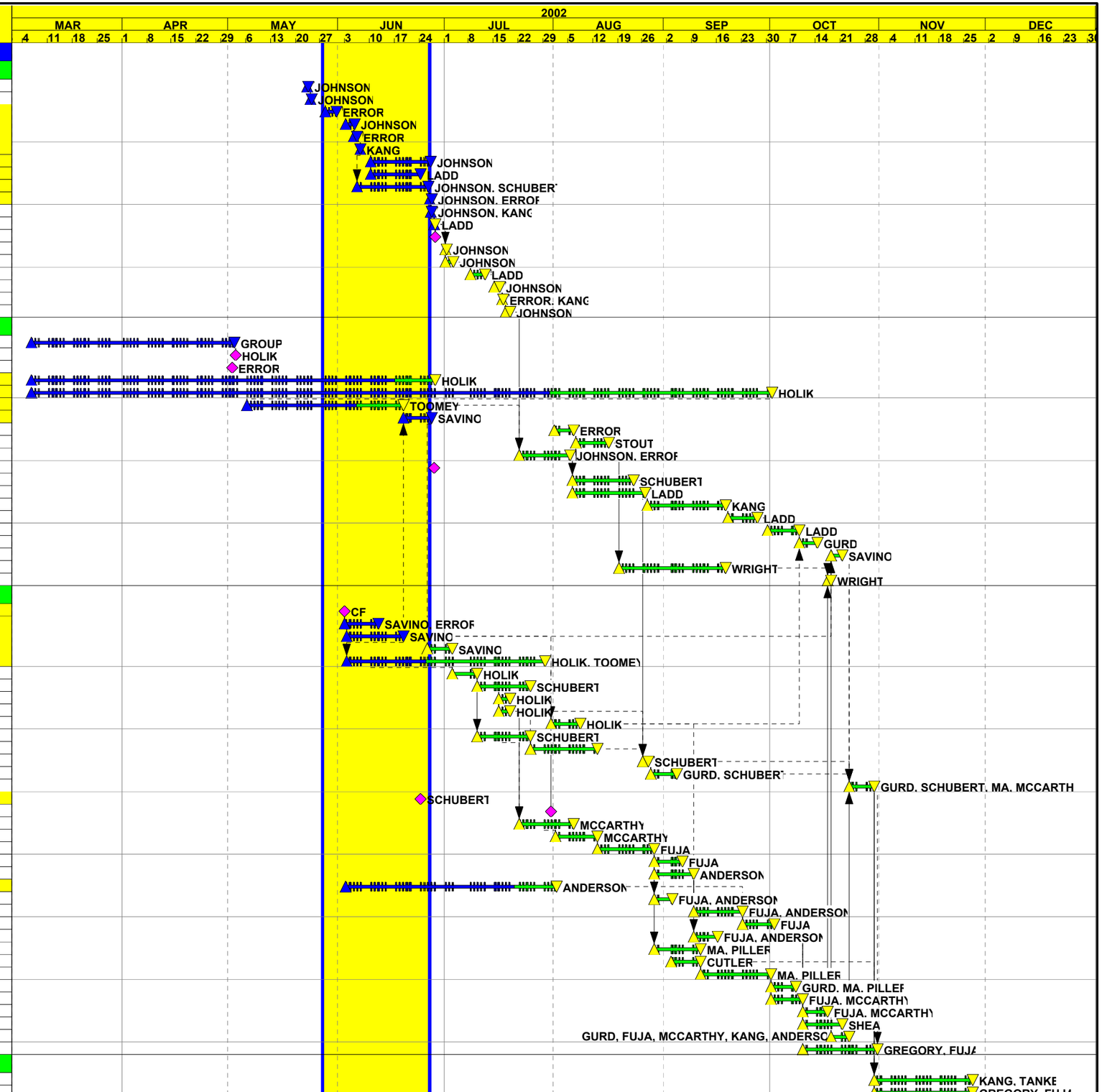
Activity ID	Activity Description	Orig Dur	%	Early Start	Early Finish	Predecessors
DTL3 062802						
RATS Bldg						
10	Receive DTL3 at SNS	8	100	23MAY02A	23MAY02A	
15	Unpack, Hand Wipe Tank ID, Reassemble	8	100	24MAY02A	24MAY02A	10
20	Check Alignment	24	100	28MAY02A	31MAY02A	15
22	Lubricate O-rings with Vacuum Grease	24	100	03JUN02A	05JUN02A	20
24	Realign (Laser Tracker)	4	100	05JUN02A	06JUN02A	22
25	Complete Tank Tuning	28	100	07JUN02A	07JUN02A	24
30	Braze Post Couplers / Slug Tuners	88	100	10JUN02A	27JUN02A	25
35	Blank Off Ports & Do Prelim Vac Leak Test	88	100	10JUN02A	24JUN02A	25, 30
40	Install Cooling Syst Parts, Flow Test	88	100	06JUN02A	26JUN02A	25
43	Remove DT header & confirm alignment	8	100	27JUN02A	27JUN02A	40
45	Assem With Prod. Parts, Recheck Tun & Adjust	8	100	27JUN02A	27JUN02A	43
50	Confirmation Vacuum Leak Test	8	0	28JUN02A	28JUN02	45
55	DTL Ready to Install	0	0		28JUN02	50*
56	Remove Leaky Drift Tubes	8	0	01JUL02	01JUL02	50*
57	Repair Tank Flange Seals	24	0	01JUL02	03JUL02	50*
58	Continue Vacuum Leak Check	40	0	08JUL02	12JUL02	57*
60	Transport to Tunnel & Back Test	16	0	15JUL02	16JUL02	58*
65	Recheck Alignment	8	0	17JUL02	17JUL02	60*
75	Prep for Transport to Tunnel	16	0	18JUL02	19JUL02	65*
Linac Tunnel						
80	Send "chase" cable lists to Paul Holik	152	100	06MAR02A	02MAY02A	
90	"chase" cable list complete	0	100		02MAY02A	80
100	Approximate start first laser tracking in tunnel	0	100	02MAY02A		
110	Order "chase" cables	168	90	06MAR02A	28JUN02	
120	Arrival of "chase" cables (incuding LANL cables	622	70	06MAR02A	01OCT02	
130	Install trays	272	70	06MAY02A	19JUN02	120
135	DTL Tank 3 & 4 Tunnel Waveguide	41	100	19JUN02A	27JUN02A	330
140	Second Laser Tracker in Tunnel (shown to 40 Mev)	32	0	01AUG02*	06AUG02	
150	Installation up&downstream wall,door & fence	64	0	07AUG02	16AUG02	140*, 160
160	DTL3 Installation of tank in tunnel & alignment	88	0	22JUL02	05AUG02	75*, 130
170	IPS: Linac installation START	0	0	28JUN02*		
180	DTL3 Cooling System (connect structure&leak test	112	0	06AUG02	23AUG02	160*
190	DTL3 Vacuum Installation	120	0	06AUG02	26AUG02	160*
200	DTL3 Installation RF window&cabling	128	0	27AUG02	18SEP02	190*
210	DTL3 Testing Vacuum Equipment	56	0	19SEP02	27SEP02	200*
220	DTL3 Vacuum Pump down	60	0	30SEP02	09OCT02	210*
230	DTL3 Vacuum Global Control Tests EPICS	24	0	09OCT02	14OCT02	220*, 370
240	DTL3 Connect Waveguide to Window	8	0	18OCT02	21OCT02	230, 260*, 330
250	Installation of PPS	176	0	19AUG02	18SEP02	150*
260	Complete Installation&Testing of PPS (with RF)	8	0	17OCT02	18OCT02	250, 590*
Klystron Gallery						
310	RFE Klystron gallery 40 MeV	0	100	03JUN02A		
320	Layout WG footprints RFQ,DTL1,2,3,4 (sub-cm leve	56	100	03JUN02A	12JUN02A	310
330	RFQ,DTL1,2 Install Overhead RF Waveguides	96	100	03JUN02A	19JUN02A	310
335	DTL3 Waveguide Installation	41	0	26JUN02*	03JUL02	135
340	Install trays, "chase" cables (DTL4 not shown)	320	40	03JUN02A	29JUL02	330
350	Rack Installation (rows 1,2)	28	0	03JUL02*	10JUL02	340
355	Install RCCS Cooling Skid - DTL1	88	0	10JUL02*	25JUL02	350*
360	Rack Installation (rows 3)	28	0	16JUL02	19JUL02	355*
365	Rack Installation Row 4	28	0	16JUL02*	19JUL02	360*
370	Rack Installation (rows 5,6)	56	0	31JUL02	08AUG02	330, 340, 360, 430*
380	Install RCCS Cooling Skid - DTL3	88	0	10JUL02	25JUL02	355*
385	RCCS Cabling	104	0	25JUL02	13AUG02	365, 380*
390	RCCS flow test	16	0	26AUG02	27AUG02	180*, 365, 385
400	DTL3 Test RCCS with Global Controls (no LLRF)	40	0	28AUG02	04SEP02	390*
410	Test RCCS with Global Controls (with LLRF&HPRF)	40	0	23OCT02	30OCT02	240, 260, 390, 400, 610*
420	D.I. Water available to "end users"	0	0	24JUN02*		
430	RFE Klystron gallery 225 MeV	0	0	31JUL02*		
440	Install & test Klystron Cooling Skid TRCC3	96	0	22JUL02	06AUG02	365*, 380
450	Install Klystron DTL3	64	0	01AUG02*	13AUG02	440
460	Install Cabling for DTL3 (RF)	96	0	13AUG02	29AUG02	450*
470	Install Cabling DTL3 tank signals (rf)	40	0	29AUG02	06SEP02	460*
480	Install RF HVCM ME1 & ME2	48	0	29AUG02	09SEP02	460*
490	Install HVCM Ext Rectifier transformer	40	80	03JUN02A	01AUG02	
500	Install HVCM Ext Rectifier ME2EXT (SCR2)	16	0	29AUG02	03SEP02	460*
510	Install System Cabling for DTL3_ ME2 (AC&DC)	80	0	09SEP02	23SEP02	370, 480*
520	DTL3_ ME2 - RF HVCM Checkout Tasks	56	0	23SEP02	02OCT02	490, 500, 510*
530	Install cables between HVCM,klystron&global cont	40	0	09SEP02	16SEP02	480*
540	DTL3 LLRF installation & cabling	64	0	29AUG02	11SEP02	460*
550	Steerer PS Testing with magnet & Global Controls	56	0	03SEP02*	11SEP02	
560	DTL3 RF LLRF Checkout Tasks	112	0	11SEP02	01OCT02	540*
570	DTL3 LLRF Global Control Tests EPICS	40	0	01OCT02	08OCT02	560*
580	DTL3 RF HPRF Transmitter Checkout Tasks	56	0	01OCT02	10OCT02	560*
590	DTL3 HPRF Integrated System Tests (into a short)	40	0	10OCT02	17OCT02	520, 530, 580*
600	DTL3 Diagnostics System Integration	56	0	10OCT02	21OCT02	520, 530, 580*
610	DTL3 HPRF Global Control Tests EPICS	24	0	18OCT02	23OCT02	260*
620	DTL3 HPRF Safety Checks (Radiation)	120	0	10OCT02	31OCT02	410, 580*
Integrated Testing						
280	Condition DTL tank 3 (24/7) & fully integrated t	160	0	30OCT02	27NOV02	410*, 550, 600
290	HPRF Safety Checks (Radiation)	160	0	30OCT02	27NOV02	410*



Start Date	01FEB02	DTL3	Sheet 1 of 1
Finish Date	27NOV02		

Date	Revision	Checked	Approved

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