

Tritium Run List

Run number	Date	Start time	End time	Target	N. of ev	Decoded?	HRS OK?	Purpose/Comments
90591								
90592	12/13	23:48	00:12	CARBON HOLE	12.2			BEAM CENTERING BEAM CENTERING
90593	12/14	00:13		"				"
90594	12/14	00:00						BEAM "
90595	12/14	01:52	02:20	CARBON	300K			PS4=PS5=PS6=1, PS8=500
90596	12/14	02:34	02:42	"	241K			CHANGED PS8=200 X=2.15 Y=3.25
90597	12/14	02:45	02:52	"	240K			300 0.15 3.25
90598	12/14	02:59	03:00	"	93K			300 0.15 1.25
90599	12/14	03:07	03:12	"	92K			300 2.15 1.25
90600	12/14	03:14	03:20	"	116K			300 1.15 2.25
90601	12/14	03:32	03:54	OPTICS	441K	Y	Y	OPTICS
90602	12/14	03:55	04:04	CARBON	164K	Y	Y	
90603	12/14	04:05	04:08	"	46K			All PS=0, BUT PS8=500 BCM
90604	12/14	04:09	04:18	"	112K	Y	Y	" " " " " " " "
90605	12/14	04:54	05:225	"	376K			PS4=PS5=PS6=1 BCM
90606	12/14	05:28	05:45	"	11K			PS4=PS5=PS6=1 BCM
90607	12/14	05:47	05:55	"	45K			PS8=500 BCM
90608	12/14	05:58	06:30	"	391K			PS4=PS5=PS6=1 BCM
90609	12/14	07:10	07:30	"	14K			PS4=PS5=PS6=1 MOMENTUM = EADC
90610	12/14	07:45		OPTICS				PASTER OFF, OPTICS, PS4=PS5=PS6=1

HARP SCAN
x=1.15, y=2.25

2.14 GeV
PASTER OFF

90694	1/12	10:40	11:12
90695		13:13	13:27
90696		13:30	
90697	1/12	18:11	

Harp Scan

Harp Scan

Harp Scan (PSB = 100)

home

FITDC config change test.

90718	1/12	8:47	9:10
90721	1/13		

Carbon foil RHRS checkout
PS 4,5,6 see 1 each

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90691								
90692								
90693								
90694								
90695								
90696								
90697								
90698								
90699								
90700								
90701								
90702								
90703								
90704								
90705								
90706								
90707								
90708								
90709								
90710								

}

look ~~to~~ on back page after run 90630

1/16/2018

Right

Tritium Run List

CODA took ~10 minutes to end run, notified SL

Run number	Date	Start time	End time	Target	N. of ev	Decoded?	HRS OK?	Purpose/Comments
90762		14:58		cosmics	1781K			
90763		15:27		C-hole				no prescalers
90764		15:30	15:44	C-hole	100K			ps 4,5,6 = 1
90765		15:58	16:25	(² H) ₂	1.5M			20 μ A, ² H, dT = 5%, beam turned off
90766								
90767		17:11	17:11	² H	—			test CODA.
90768		17:12	17:30	² H	HK			test CODA
90769		17:30	17:48	² H				cosmic
90770		17:49	18:29	² H	22.7K			cosmic
90771		18:34	18:55	C-hole	42K			cosmic, beam is returning
90772		19:13	19:17	C-hole	26K			spot check
90773								JUNK
90774	01/18	04:26	04:35	C	90K	NO	N/A	22.5 μ A, ps1-7=0, ps8=10 dT=80T.
90775								
90776	1/20	8:24	9:44	² H	8.6M	no	N/A	cosmic Run ps4,5,6=1
90777	1/20	9:45	10:44	Empty	2.7M	no	N/A	cosmic Run ps4,5,6=1
90778	1/20	15:55		cosmic				cosmic Run
90779	†							
90780	1/21	06:03	6:11	Carbon	1779K			other.
90781	1/21	19:31	20:02	³ H				other ps 1,2,3, = 1

beam turned off

i

Tritium Run List

Run number	Date	Start time	End time	Target	N. of ev	Decoded?	HRS OK?	Purpose/Comments
90782	1/21	20:05	20:43	3H	4.4M	-	-	Reset Presumby PS 1,2,3=0 PS 4,5,6=1
90783	1/21	20:46	21:23	2H	4.8M	-	-	"other type" RHRS Quad down PS 7,8=0
90784	1/21	21:24	21:46	2H	1.4M	-	-	"other type" Quad down
90785	1/21	21:55	22:42	2H	4.7M	-	-	"other" Quad down
90786	1/21	22:42	22:55	2H	1.7M	-	-	"other" Quad down LHRS down
90787	1/22	01:17	01:19	2H	9410	-	-	dipole off
90788	1/22	01:42	01:53	2H	2.4M	✓	✓	dipole off PS 4-5-6 = 100 was not saved.
90789	1/22	01:54	02:07	2H	2-3M	✓	✓	dipole off PS 4-5-6 = 100
90790	1/22	02:08	02:14	2H	1.1M	✓	✓	dipole off PS 4-5-6 = 100
90791	1/22	02:18	02:24	2H	1M	✓	✓	dipole off PS 4-5-6 = 100
90792	1/22	02:25	02:31	2H	1M	✓	✓	dipole off PS 4-5-6 = 100
90793	1/22	02:32	02:37	2H	1M	✓	✓	dipole off PS 4-5-6 = 100
90794	1/22	02:52	02:57	Empty target	1M	✓	✓	dipole off PS 4-5-6 = 100
90795	1/22	02:58	03:05	Empty target	1M	✓	✓	dipole off PS 4-5-6 = 100
90796	1/22	03:06	03:11	Empty target	1M	✓	✓	dipole off PS 4-5-6 = 100
90797	1/22	03:12	03:16	Empty target	1M	✓	✓	dipole off PS 4-5-6 = 100
90798	1/22	03:17	03:22	Empty target	1M	✓	✓	dipole off PS 4-5-6 = 100
90799	1/22	03:23	03:28	Empty target	1M	✓	✓	dipole off PS 4-5-6 = 100
90800	1/22	03:30	03:36	Empty target	1.1M	✓	✓	dipole off PS 4-5-6 = 1
90801	1/22	03:38	03:44	Empty target	1M	✓	✓	dipole off PS 4-5-6 = 100

Tritium Run List

Run number	Date	Start time	End time	Target	N. of ev	Decoded?	HRS OK?	Purpose/Comments
90842	1/23	16:44	16:54	Carbon Hole	7K	-	-	Spot R check - MCC Pulled Beam
90843	1/23	17:11	17:16	Carbon Hole	151K	-	-	Spot R check - Beam off center
90844	1/23	17:20	17:22	Carbon Hole	39K	✓	✓	Spot R check <u>good</u>
90845	1/23	17:29	17:31	Carbon	427K			Raster check
90846	1/23	17:38	17:38	^2H		-	-	FAOC Data
90847	1/23	17:42	17:43	^2H		-	-	FAOC Data
90848	1/23	17:54	17:55	^2H		-	-	FAOC Data
90849	1/23	18:07	18:33	^2H	3.6M	✓	✓	Production on ^2H
90850	1/23	18:34	19:07	^2H	3.7M	✓	✓	Production
90851	1/23	19:11	19:33	Empty cell	328K	✓	✓	Production Down for Tune
90852	1/23	19:42	20:23	Empty cell	2.2M	✓	✓	Production
90853	1/23	20:24	21:00	Empty cell	2.5M	✓	✓	Production
90854	1/23	21:03	21:35	^3He	2.9M	✓	✓	Production ^3He
90855	1/23	21:37	22:10	^3He	3.5M	✓	✓	Production
90856	1/23	21:11	22:50	^3He	3.7M	✓	✓	Production
90857	1/23	21:52	22:39	^3He	3.1M	✓	✓	Production
90858	MCC Took Beam away @ Start							
90859	1/24	00:00	00:07	^3He	1.3M	✓	✓	Production ^3He
90860	1/24	00:12	00:17	^3He	2.7K	-	-	Production ^3He Junk
90861	1/24	00:38	00:47	^3H	500K	✓	✓	Production ^3H

Tritium Run List

Run number	Date	Start time	End time	Target	N. of ev	Decoded?	HRS OK?	Purpose/Comments
90862	1/24	01:10	01:21	3H	800k	✓	✓	Production 3H
90863	1/24	05:00	05:07	Carbon hole	90k	—	—	Carbon hole spot check
90864	1/24	05:22	05:39	3H	1.4M	✓	✓	Production 3H I=18μA, current was trippy.
90865	1/24	05:40	06:01	3H	1.4M	✓	✓	production 3H I=18μA, sometimes I=5μA
90866	1/24	06:02	06:19	3H	1.5M	✓	✓	production 3H, I=18μA, sometimes I=5μA
90867	1/24	06:20	06:37	3H	1.4M	✓	✓	production 3H, I=18μA, beam tripped too many times.
90868	1/24	06:40	06:54	3H	1.1M	✓	✓	production 3H, I=18μA
90869	1/24	07:32	07:49	3H	1.4M	✓	✓	Production 3H, I=18μA
90870	1/24	07:49	08:31	3H	1.8M	✓	✓	Production 3H, I=18μA
90871	1/24	08:32	08:40	3H	0.5M			Production 3H, beam trips.
90872	1/24	17:11	17:44	Carbon Hole	58k	✓	✓	Spot R check - good 66
90873	1/24	17:30	18:18	3H	4.2M	✓	✓	5μA Beam at start / unstable
90874	1/24	18:21	19:03	3H	4.9M	✓	—	✓
90875	1/24	19:06	19:49	3H	5.6M	✓	—	✓
90876	1/24	19:53	20:24	2H		—	—	Deuterium Runs
90877	1/24	20:27	20:59	2H	4.6M	✓	✓	" "
90878	1/24	21:06	20:33	Dummy	4.7M	✓	—	10μA Beam 6
90879	1/24	22:34	16:36	House	667k			Cosmics per RC
90880	1/25	17:38	17:58	Dummy	57k	✓	✓	Production 6 ← Dipole is not exact.
90881	1/25			House				BCAA Cal Move to Kira 16

Tritium Run List

Run number	Date	Start time	End time	Target	N. of ev	Decoded?	HRS OK?	Purpose/Comments
90882	1/25	20:27	21:28	Home	769K			BCM calo
90883	1/26	00:13	00:50	³ He	53K	✓	✓	³ He production, I=22.5µA
90884	1/26	01:07	01:56	³ H	91K	✓	✓	³ H production, I=22.5µA
90885	1/26	01:57	02:49	³ H	85K	✓	✓	³ H production
90886	1/26	02:50	03:47	³ H	105K	✓	✓	"
90887	1/26	04:04	05:12	² H	104K	✓	✓	² H production
90888	1/26	05:19	05:37	³ He	27L	✓	✓	³ He production
90889	1/26	07:12	07:16	³ He	2K	-	-	"
90890	1/26	07:37	07:51	³ He	18K	-	-	"
90891	1/26	08:05	8:32	³ He	36K			Q2 down
90892	1/26	9:13	9:25	"	10K			Just Q2 down
90893	1/26	10:14		Home				Just test
90894	1/26			Home				
90895	1/26			Dummy				25cm Dummy
90896	1/26	12:25	13:24	Optics	116K	-	-	Optics
90897	1/26	13:33		³ He				³ He production
90898	1/26	14:34	15:33	³ He	75K	-	-	³ He production
90899	1/26	15:33	16:32	³ He	91K	✓	✓	³ He production
90900	1/26	16:34	17:30	³ He	67K	✓	✓	³ He production
90901	1/26	17:33	18:27	³ He	80K	✓	✓	³ He production

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Run number	Date	Start time	End time	Target	N. of ev	Decoded?	HRS OK?	Purpose/Comments
90902	1/26	18:36	19:05	^3H	54K	✓	✓	^3H production
90903	1/26	19:06	19:40	^3H	59K	✓	✓	^3H production
90904	1/26	19:40	20:14	^3H	60K	✓	✓	^3H production
90905	1/26	20:18	20:57	^2H	67K	✓	✓	deuterium prod.
90906	1/26	20:58	21:40	^2H	67K	✓	✓	deuterium prod.
90907	1/26	21:44	22:18	^3H	62K	✓	✓	^3H production
90908	1/26	22:20	22:59	^3H	71K	✓	✓	^3H prod.
90909	1/26	23:04	23:39	^3H	63K	✓	✓	^3H prod.
90910	1/26	23:39	00:55	^3H	117.9K	✓	✓	^3H prod.
90911	1/27	00:59	2:23	D/ ^2H	133K	✓	✓	deuterium prod.
90912	1/27	2:23	3:29	D/ ^2H	102.5K	✓	✓	deuterium prod.
90913	1/27	3:29	4:03	D/	57K	✓	✓	- - -
90914	1/27	4:10	4:41	Dummy	101K	✓	✓	Dummy Kin 16
90915	1/27	5:54	5:55	^3He	600 61K	✓	✓	^3He Prod.
90916	1/27	6:01	7:58	Home	68	✓	✓	Cosmics T4=T5=T6=1 T8=0!!
90917	1/27	8:02		Hole				Spott
90918								
90919	1/27	8:45	9:31	^3He	64K	✓	✓	He Production / Kin 16
90920	1/27	9:34	10:21	^3He	64K	✓	✓	He Production / Kin 16
90921	1/27	10:22	11:07	^3He	67K	✓	✓	He Production / Kin 16

Tritium Run List

Run number	Date	Start time	End time	Target	N. of ev	Decoded?	HRS OK?	Purpose/Comments
90922	1/27	11:08	11:51	3H 3H	66K	✓	✓	tritium production
90923	1/27	11:5	12:25	3H	63K	✓	✓	Tritium production
90924	1/27	12:30	13:08	3H	64K	✓	✓	Tritium production
90925	1/27	13:09	13:53	3H	68K	✓	✓	Tritium production
90926	1/27	13:54	14:31	3H	65K	✓	✓	Tritium production
90927	1/27	14:32	—	3H	—	—	—	Tritium production/coda stopped
90928								
90929	1/27	15:01	15:13	3H	20K			Tritium production
90930	1/27	15:18	15:58	3He	59K	✓	✓	3He production/kin/6
90931	1/27	15:59	18:00	3He	146K	✓	✓	3He production/kin/6
90932	1/27	18:00		"	40K	✓	✓	" " " "
90933			—	Very Short	run			
90934			—	Test	run →			
90935	1/27	18:40	7:15	3He	51K	✓	✓	3He production kin/6
90936	1/27	18:21		C			x	no beam
90937	1/27	19:43	19:48	C			x	no beam
90938	1/27	19:52	20:00	C	✓	✓	✓	Raster calib
90939	1/27	20:13	20:19	C-hole		✓	✓	Spot +1
90940	1/27	20:25	21:00	optics	68K	✓	✓	C target
90941	1/27	21:05	21:40	C	40K	✓	✓	C-target

Tritium Run List

Run number	Date	Start time	End time	Target	N. of ev	Decoded?	HRS OK?	Purpose/Comments
90942	1/27	21:44	21:49	C	1176K	✓	✓	Carbon
90943	1/27	21:35	22:30	empty cell	32K	✓	✓	empty cell
90944	1/27	22:35	23:10	³ He	44K	✓	✓	³ He
90945	1/27	23:10	23:45	³ He	49K	✓	✓	³ He
90946	1/27	23:45	0:33	³ He	40K	✓	✓	³ He
90947	1/28	1:03	2:10	³ He	90K	✓	✓	PROD.
90948	1/28	2:10	3:20	³ He	91K	✓	✓	PROD.
90949	1/28	3:20	4:29	³ He	92K	✓	✓	PROD.
90950	1/28	4:34	5:35	³ H	100K	✓	✓	PROD.
90951	1/28	5:37	6:53	³ H	99K	✓	✓	PROD.
90952	1/28	6:53	7:58	³ H	90K	✓	✓	PROD.
90953	1/28	8:02	9:04	³ H	91K	✓	✓	Prod.
90954	1/28	9:05	9:07	³ H	2994			production run
90955	1/28	9:14	10:17	D	99K	✓	✓	Prod.
90956	1/28	10:18	11:16	D	93.8K	✓	✓	Prod.
90957	1/28	11:18	12:22	D	81.5K	✓	✓	Prod.
90958	1/28	12:32	13:29	Dummy	146K	✓	✓	Prod dummy run
90959	1/28	13:31	14:25	Dummy	144K	✓	✓	dummy run
90960	1/28	14:31	15:33	³ He	70.9K	✓	✓	Production run
90961	1/28	15:33	16:33	³ He	70K			Production run

Tritium Run List

Run number	Date	Start time	End time	Target	N. of ev	Decoded?	HRS OK?	Purpose/Comments
90962	1/28	14:33	17:45	^3He	74K	✓	✓	Production (no beam for half)
90963	1/28	18:00		^3He	← No beam →			Production (No beam)
90964	1/28	18:10		^3He				Production No beam
90965	1/28	18:50		C-hole				Spot ++
90966	1/28	20:20	20:30	C-hole		✓		spot ++
90967	1/28	20:35	22:00	^3He	112K	✓	✓	Production run
90968	1/28	22:00	23:15	^3H	106K	✓	✓	Production run
90969	1/28	23:15	00:21	^3H	73K	✓	✓	Production run
90970	1/29	00:34	01:30	^3H	86K	✓	✓	Production/very trip at start
90971	1/29	01:31	02:30	^3H	90K	✓	✓	Production
90972	1/29	02:35	03:37	Deut.	83K	✓	✓	Production
90973	1/29	03:38	04:08	Deut.	34K			Production (End Early: NO RF trips)
90974	1/29	04:59	05:35	Deut.	57K	✓	✓	Production
90975	1/29	05:42	06:42	^3He	81K	✓	✓	Production
90976	1/29	06:42	07:41	^3He	81K	✓	✓	Production
90977	1/29	07:42	8:42	^3He	77K	✓	✓	Production
90978	1/29	8:42	9:01	^3He	22K	✓	✓	proof
90979	1/29	15:45		^3He				cosmics testing
90980	1/29 1/29	19:45	19:58	C-hole	12k			spot ++
90981	1/29	20:05	21:05	He3	70K	✓	✓	production

↪ No beam

Tritium Run List

Run number	Date	Start time	End time	Target	N. of ev	Decoded?	HRS OK?	Purpose/Comments
90982	1/29	21:12	22:12 21:12	H3	78-7K	✓	✓	production
90983	1/29	22:12	22:16	H3	110K	✓	✓	production
90984	1/29	22:18	23:20	H3	104K	✓	✓	Production
90985	1/30	23:24	01:24	H3	105K	✓	✓	Production
90986	01/30	01:25	01:43	H3	20K	X	X	Production (run stopped)
90987	01/30	01:46	01:55	H3	8K	X	X	Production (run stop).
90988	01/30	1:58	03:05	D	100K	✓	✓	Production
90989	1/30	3:06	4:06	D	102K	✓	✓	Production
90990	1/30	4:07	5:04	D	100K	✓	✓	Production
90991	1/30	05:18	5:17	Empty C	54K	✓	✓	Empty cell Prod
90992	1/30	6:16	7:07	dummy	122K	✓	✓	dummy run
90993	1/30	7:15	8:29	dummy	20K	✓	✓	dummy run
90994	1/30	9:41	10:16	home	21K	-	-	Hall test
90995	1/30	10:32	12:14	C-hole	87K	-	-	talk but not
90996	1/30	12:17	12:30	C-hole	13K	✓	✓	Spot Spot++
90997								junk
90998	1/30	10:33	12:39	Carbon fil	1.2 M	-	-	Valter test
90999	1/30	12:51	13:52	dummy	182K	✓	✓	dummy run production
91000	1/30	14:02	15:04	3He	88K	✓	✓	3He run
91001	1/30	15:11	16:07	3He	112K 85.6K	✓	✓	3He run

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Run number	Date	Start time	End time	Target	N. of ev	Decoded?	HRS OK?	Purpose/Comments
91002	1/30	16:08	17:07	^3He	85K	✓	✓	^3He production
91003	1/30	17:08	18:06	^3He	91K	✓	✓	^3He production
91004	1/30	18:14	19:08	^3H	86K	✓	✓	^3H production
91005	1/30	19:08	20:05	^3H	92K	✓	✓	^3H production
91006	1/30	20:45	21:10	^3H	72K	✓	✓	^3H production
91007	1/30	21:10	22:58	^3H	103K	✓	✓	^3H production
91008	1/30	23:14	00:14	D	62K	✓	✓	deuterium prod (low quality beam)
91009	1/30	0:15	0:42	D	35K	✓	✓	deuterium prod (beam stop)
91010	1/30	2:56	4:17	D	103K	✓ (173K)	✓	deuterium prod.
91011	1/31	04:22	05:22	^3He	82K	✓	✓	^3He Prod.
91012	1/31	05:23	06:26	^3He	93K	✓	✓	^3He Prod
91013	1/31	06:27	07:30	^3He	89K	✓	✓	^3He Prod.
91014	1/31	07:30	08:30	^3He	83K	✓	✓	^3He Production
91015	01/31	08:38	09:36	^3H		✓	✓	^3H production - no beam + lost 20 min
91016	01/31	10				-	-	Junk - no beam
91017	01/31	10:32	10:40	^3H	113K	✓	✓	^3H production
91018	01/31	10:42	12:42	^3H	97K	✓	✓	^3H production
91019	01/31	12:44	12:35	^3H	58K	✓	✓	^3H production - stopped due to AOs beam
91020	01/31	02:18		Carbon hole	58K	✓	✓	Carbon hole spot check
91021	01/31	02:52	3:35	^3H	59K	✓	✓	^3H production - stopped due to beam down

Tritium Run List

Run number	Date	Start time	End time	Target	N. of ev	Decoded?	HRS OK?	Purpose/Comments
91022	1/31	16:51	17:08	C-hole				
91023	1/31	17:23						Coda frozen
91024				Coda Reset				Coda reset
91025	1/31	17:34	18:29	² H	91K	✓	✓	Production
91026	1/31	18:29	17:34	² H	100K	✓	✓	Production
91027	1/31	17:34	20:38	² H	90 90K	✓	✓	Production (Dummy)
91028	1/31	20:45	21:45	Dummy	83 83K	✓	✓	Production (Dummy)
91029	1/31	21:45	23:15	Dummy	220K	✓	✓	Production Dummy
91030	1/31	23:20	00:22	³ He	83K	✓	✓	Production
91031	02/01	00:24	01:25	³ He	86K	✓	✓	Production
91032	02/01	01:26	2:28	³ He	79K	✓	✓	Production
91033	02/01	02:29	3:31	³ He	88K	✓	✓	Production
91034	02/01	3:35	4:40	³ H	94K	✓	✓	Production
91035	02/01	04:41	05:43	³ H	105	✓	✓	Production
91036	02/01	05:44	06:46	³ H	102K	✓	✓	Production
91037	02/01	06:47	07:47	³ H	98 98K	✓	✓	Production
91038	02/01	07:53	08:55	² H	83K	✓	✓	Production (Forgot making target commit)
91039	02/01	08:57	09:58	² H	85K	✓	✓	Production
91040	02/01	10:02	10:05	³ He	27K	✓	✓	Production
91041	02/01	10:07	10:50	³ He	24K			Cosmics

Tritium Run List

Run number	Date	Start time	End time	Target	N. of ev	Decoded?	HRS OK?	Purpose/Comments
91042	02/01	10:51	11:53	^3He	76K	✓	✓	Production
91043	02/01	12:13	14:26	^3He	120K	✓	✓	Production
91044	02/01	14:31	14:40	^3He	10K	✓	✓	Production
91045	02/01	17:35	18:13	^3He	22K			Cosmic
91046	02/01	18:14	18:23	^3He	5K			DAQ test
91047	02/01	18:24	18:28	^3He	1K			DAQ test
91048	02/01	18:29	18:53	^3He	100K			DAQ DAQ test
91049	02/01	18:34	18:42	^3He	3K			DAQ test 3K
91050	02/01	18:36	18:42	^3He	3K			
91051	02/01	18:43	18:52	^3He				
91052	02/01	18:55	19:05	Carbon Hole				Junk → Beam test
91053	02/01	19:10	19:25	"				Spot + -
91054	02/01	19:25	19:46	C-hole				Junk
91055	02/01	19:46	19:56	C-hole				Spot (+ +)
91056	02/01	20:00	21:02	^3He	87K	✓	✓	Production
91057	02/01	21:02	21:25	^3He	27K	✓	✓	Production
91058	02/01	21:25	22:01	^3He	48K	✓	✓	Production
91059	02/01	22:08	23:17	^3H	105K	✓	✓	Production
91060	02/01	23:17	00:18	^3H	102K	✓	✓	Production
91061	02/01	00:19	01:17	^3H	100K	✓	✓	Production

Tritium Run List

Run number	Date	Start time	End time	Target	N. of ev	Decoded?	HRS OK?	Purpose/Comments
91062	02/02	02:32	03:25	^3H	85K	✓	✓	Production
91063	02/02	03:45	04:34	C-Hole	37K	✓	✓	SPOT ++
91064	02/02	04:41	05:46	Deuterium	79K	✓	✓	Production
91065	02/02	06:01	07:03	^2H	99K	✓	✓	Production
91066	02/02	07:04	07:36	^2H	50K	✓	✓	Production (30 min)
91067	02/02	07:46	8:47	Dummy	117K	✓	✓	Production (Dummy)
91068	02/02	8:53	9:55	DUMMY	181K	✓	✓	PROD.
91069	02/02	10:04	11:05	^3He	80K	✓	✓	PRODUCTION
91070	02/02	11:07	12:11	^3He	88K	✓	✓	PRODUCTION
91071	02/02	12:12	13:18	^3He	89K	✓	✓	PROD.
91072	02/02	13:20	14:20	^3He	73K	✓	✓	PROD.
91073	02/02	14:21	15:40	^3He	92K	✓	✓	PROD.
91074	02/02	15:45	16:46	^3H	91K	✓	✓	PROD.
91075	2/2	16:47	17:50	^3H	81K	✓	✓	production
91076	2/2	17:50	18:50	^3H	67K	✓	✓	production, poor beam quality
91077	2/2	19:55	19:57	^3H	97K	✓	✓	production
91078	2/2	19:59	21:00	^3H	90K	✓	✓	production, tritium
91079	2/2	21:05	22:05	^2H	86K	✓	✓	production, deuterium
91080	2/2	22:10	23:15	^3He	88K	✓	✓	^3He production
91081	2/2	23:15	00:24	^3He	93K	✓	✓	^3He prod.

Tritium Run List

Run number	Date	Start time	End time	Target	N. of ev	Decoded?	HRS OK?	Purpose/Comments
91082	2/3	00:25 01:31	01:31	³ He	95k	✓	✓	³ He production
91083	2/3	01:32	02:33	³ He	91k	✓	✓	³ He production
91084	2/3	02:33	03:47	³ He	93k	✓	✓	³ He prod.
91085	2/3	03:53	4:55	³ H		✓	✓	³ H production
91086	2/3	04:55	6:07	³ H	110k	✓	✓	³ H production
91087	2/3	06:08	6:56	³ H	73k	✓	✓	³ H prod. short
91088	2/3	07:21 07:21	8:05	³ H	70k	✓	✓	³ H. prod
91089	2/3	08:10	9:00	² H	~60k	✓	✓	² H Prod (25 min)
91090	2/3	09:21	09:26	² H	2k	✓	✓	Cosmics
91091	2/3	09:27			130k			Cosmic (Coda test)
91092	2/3	13:21	13:32	Chole	etc	✓	✓	Spot ++
91093	2/3	13:41	14:44	² H	56k	✓	✓	No beam 10 (min of beam)
91094	2/3	14:45	15:24	² H	58k	✓	✓	Production
91095	2/3	15:24	16:25	² H	91k	✓	✓	Production
91096	2/3/18	16:52	17:59	³ He	84k	✓	✓	Production (langer due to beam tips)
91097	2/3/18	18:01	18:55	³ He	56k	✓	✓	Production. Skipped, beam away!
91098	2/3/18	19:02	20:03	³ He	82k	✓	✓	Production.
91099	2/3/18	20:04	21:07	³ He	91k	✓	✓	Production, DC spectrum in SO changed.
91100	2/3/18	21:08	22:10	³ He	91k	✓	✓	Production
91101	2/3/18	22:18	22:22	³ H	/	/	/	Production Junk, Beam Lost

Tritium Run List

Run number	Date	Start time	End time	Target	N. of ev	Decoded?	HRS OK?	Purpose/Comments
91102	2/3/18	22:55	23:54	3H	34k	✓	✓	Cosmos while waiting
91103	2/4/18	00:12	01:18	3H	113k	✓	✓	Production
91104	2/4/18	01:19	2:43	3H	148k	✓	✓	Production
91105	2/4/18	2:44	4:00	3H	130k	✓	✓	Production
91106	2/4/18	4:04	5:06	D2	105k	✓	✓	Production
91107	2/4/18	5:07	5:31	D2		✓	✓	Production
91108								PS8=1 Junk
91109	2/4/18	5:41	5:43	Dummy	500k			PS8=10 Raster Data
91110	2/4/18	5:44	6:45	Dummy	204k	✓	✓	Production
91111	2/4/18	6:46	7:45	Dummy	200k	✓	✓	Production
91112	2/4/18	7:50	7:56	He3	4k	✓	✓	Production
91113	2/4/18	8:00	9:02	He3	85k	✓	✓	Production
91114	2/4/18	9:03	10:09	He3	88k	✓	✓	Production
91115	2/4/18	10:10	11:09	He3	84k	✓	✓	Production
91116	2/4/18	11:11	12:12	He3	75k	✓	✓	Production
91117	2/4/18	12:13	12:38	He3	27k	✓	✓	Production
91118	2/4/18	18:44	19:45	He3	71k	✓	✓	Production ✓ XXXXXXXXXX
91119	2/4/18	19:52	20:03	3He	16k	✓	✓	Production, Short run!
91120	2/4/18	20:08	21:15	3H	102k	✓	✓	Production
91121	2/4/18	21:17	21:48	3H	30k	✓	✓	Production (Pre-run away for 20 min)

Tritium Run List

Run number	Date	Start time	End time	Target	N. of ev	Decoded?	HRS OK?	Purpose/Comments
91122	2/4/18	22:18	23:29	3H	41k	—	—	Cosmics
91123	2/5/18	00:00	00:06	Carbon hole	5k	—	—	Spot Check
91124	2/5/18	00:12	00:44	3H	33k	✓	✓	Production
91125	2/5/18	00:50	01:10	Empty	27k	✓	✓	production
91126	2/5/18	01:45	02:47	Empty	78k	✓	✓	"
91127	2/5/18	02:53	03:39	3H	63k	✓	✓	"
91128	2/5/18	03:42	03:57	3H	10k	—	—	#, only 2 minutes of beam
91129	2/5/18	04:10	04:48	3H	30k	—	—	production, mostly cosmics, some beam in the beginning
91130	2/5/18	04:52	05:56	3H	99k	✓	✓	Production
91131	2/5/18	05:57	06:40	3H	65k	✓	✓	"
91132	2/5/18	06:43	07:50	³ He	75k	✓	✓	"
91133	2/5/18	07:51		³ He				"
91134	2/6/18	01:02		Carbon Hole				Spot ++ (cosmics)
91135	.							(cosmics)
91136	2/6/18	01:02	01:22	Carbon Hole	19k	✓	✓	Spot ++
91137	2/6/18	01:25	02:01	optics	84k	✓	✓	optics
91138	2/6/18	02:12	02:26	Carbon	9k	—	—	Production Junk
91139	2/6/18	02:40	02:51	Carbon	6k	—	—	Production Junk
91140	2/6/18	03:06	03:37	"	35k			Production
91141	2/6/18	03:39	03:46	"	1.5M	—	—	" T8 = 10

Tritium Run List

Run number	Date	Start time	End time	Target	N. of ev	Decoded?	HRS OK?	Purpose/Comments
91142	2/6/18	03:51	04:56	Empty	79k	✓	✓	Production
91143	2/6/18	05:07	05:45	^3He	41k	✓	✓	" , beam was trippy
91144	2/6/18	06:08	07:14	^3He	92k	✓	✓	Production
91145	2/6/18	07:15	07:40	^3He	24k	✓	✓	" , last 10 minutes no beam
91146	2/6/18	07:44	08:50	^3He	83k	✓	✓	"
91147	2/6/18	08:50	09:52	^3He	89k	✓	✓	
91148	2/6/18	09:53	10:22	^3He	19k	✓	✓	Production, Beam away for 20min
91149	2/6/18	10:34	10:39	^3He	/	/	/	JUNK (need to tune beam)
91150	2/6/18	12:04	12:26	^3He	15k	/	/	Prod. JUNK (beam unusable)
91151	2/6/18	12:56	13:53	^3He	51k	✓	✓	very trippy beam
91152	2/6/18	14:40	15:37	^3He	71k	✓	✓	
91153	junk							
91154	junk							
91155	junk							
91156	junk							
91157	junk							
91158	junk							
91159	junk							
91160	junk							
91161	2/6/18	16:26	16:37	Empty Cell	12k			ESR Crashed.

Tritium Run List

Run number	Date	Start time	End time	Target	N. of ev	Decoded?	HRS OK?	Purpose/Comments
91162	2/6/18	20:5	20:55	Carbon	225K			PS8=10
91163	2/7/18	00:33	01:26	³ H	92K	✓	✓	Production
91164	2/7/18	01:27	02:32	³ H	112K	✓	✓	"
91165	2/7/18	02:35	03:41	² H	106K	✓	✓	"
91166	2/7/18	03:42	04:47	² H	108K	✓	✓	" beam for only 5 minutes
91167	2/7/18	04:54	05:32	Dummy	97K	✓	✓	" , last 5 minutes no beam
91168	2/7/18	05:38	05:51	"	38K	✓	✓	Production, beam for only 5 minutes
91169	2/7/18	06:06	06:57	"	151K	✓	✓	Production
91170	2/7/18	06:59	08:00	"	205K	✓	✓	"
91171	2/7/18	08:05	09:08	³ He	86K	✓	✓	Production
91172	2/7/18	09:08	≈ 09:55	³ He	?	✓	✓	Production / see Holog / RUN OK!
91173	2/7/18	10:05	11:04	³ He	70K	✓	✓	Production, cut short since beam off
91174	2/7/18	11:27	12:32	³ He	74K	✓	✓	Production, very trippy beam
91175	2/7/18	12:34	12:53	³ He	15K	no	✓	Beam off
91176	2/7/18	14:52	15:00	³ He	13K	no	✓	bad BPMs, considered as junk
91177	2/7/18	15:00	16:22	³ He	90K	✓	✓	Production
91178	2/7/18	16:24	17:21	³ He	51K	✓	✓	production.
91179	2/7/18	17:28	18:38	³ He	91K	✓	✓	production
91180	2/7/18	18:44	19:15	³ H	27K	✓	✓	production
91181	2/7/18	19:41	19:51	² H	8K	-	-	Very little beam

Tritium Run List

Run number	Date	Start time	End time	Target	N. of ev	Decoded?	HRS OK?	Purpose/Comments
91182	2/7/2018	20:09	21:35	³ H	116K	✓	✓	Production
91183	2/7/2018	21:37	23:00	³ H	119K	✓	✓	"
91184	2/7/2018	23:00	00:06	³ H	111K	✓	✓	"
91185	2/8/18	00:07	01:17	³ H	111K	✓	✓	"
91186	2/8/18	01:02	02:32	² H	28k	✓	✓	" current charge started spurs
91187	2/8/18	05:45	06:17	² H	22k	✓	✓	" I=10 μA, beam triggered many times
91188	2/8/18	07:05	07:15	² H	8k			" I=5 μA, short run
91189	2/8/18	08:14	08:35	² H	14k			Cosmics. Beam was sent into the coll.
91190	2/8/18	08:52	09:13	² H	15k	✓	✓	Production. MCC plays with the injector.
91191								
91192	2/8/18 2/8/18	20:02	20:06	Gilbert	121K	✓	✓	Cosmics only.
91193	2/8/18	20:17	21:18	² H	100K	✓	✓	Production
91194	2/8/18	21:19	22:37	² H	113K	✓	✓	Production
91195	2/8/18	22:40	23:51	² H	89K	✓	✓	Production
91196	2/9/18	02:09	02:40	² H	42k	✓	✓	"
91197	2/9/18	02:45	04:01	³ He	100k	✓	✓	"
91198	2/9/18	04:03	05:32	³ He	91k	✓	✓	" variable currents, lot of tries
91199	2/9/18	05:33	06:51	³ He	91k	✓	✓	Production, I=12 μA
91200	2/9/18	06:52	08:05	³ He	93k	✓	✓	"
91201	2/9/18	08:07	08:16	³ He	8k	✓	✓	Production; I=17 μA; Short production.

Tritium Run List

Run number	Date	Start time	End time	Target	N. of ev	Decoded?	HRS OK?	Purpose/Comments
91202								
91203								
91204								
91205								
91206								
91207								
91208								
91209	2/10/18	08:12	16:01	HOME	225k	✓	✓	Cosmics.
91210								
91211	2/11/18	08:11	13:56	HOME	203k	✓	✓	Cosmics
91212								
91213	2/12/18	1:05	3:59	HOME	119k	✓		Cosmics.
91214	2/12/18	5:22	5:38	Carbon Hole	15k			
91215	2/12/18	5:34	5:49	"	12k			
91216	2/12/18	6:59	7:34	Carbon Hole	30k			
91217	2/12/18	13:56	16:02	Carbon.	1204k			R4, S, b=0, P38=10.
91218	2/12/18	14:53	15:59	Empty cell				production
91219	2/12/18	16:02		Empty cell				Production
91220	2/12/18	17:23	18:43	Empty cell				Production
91221	02/12/18	18:48	20:04	3He	101k	✓		Production

Tritium Run List

Run number	Date	Start time	End time	Target	N. of ev	Decoded?	HRS OK?	Purpose/Comments
91222	2/12/18	20:09	21:26	H3	75K	✓		production / just 20 min beam
91223	2/12/18	21:29	22:29	H3	93K	✓		production
91224	2/12/18	22:30	23:30	H3	98K	✓		production
91225	2/12/18	23:30	00:30	H3	97K	✓	✓	production
91226	2/13/18	00:35	1:40	H3	106K	✓	✓	production
91227	2/13/18	1:44	2:50	D2	108K	✓	✓	Production
91228	2/13/18	2:52	4:01	D2	106K	✓	✓	Production
91229	2/13/18	4:07	4:54	He3	58K	✓	✓	Production
91230	2/13/18	6:34	7:47	He3	104K	✓	✓	Production
91231	2/13/18	7:48	08:13	He3	32K	✓	✓	Production, Scan down 25 min
91232	2/13	9:39	10:19	He3	55K	✓	✓	Production 40 min
91233	2/13	10:20	11:22	3He	109K	✓	✓	Production
91234	2/13	11:23	12:24	3He	81K	✓	✓	Production
91235	2/13	12:29	13:31	3H	108K	✓	✓	Production
91236	2/13	13:32	14:31	3H	101K	✓	✓	Production
91237	2/13	14:32	15:39	3H	91K	✓	✓	Production ~10 min w/ 10 pA
91238	2/13	15:40	16:42	3H	93K	✓	✓	Production
91239	2/13	16:44	17:45	2H	93K	✓	✓	deuterium prod.
91240	2/13	17:45	18:45	2H	91K	✓	✓	production
91241	2/13	18:50	20:00	3He	77K	✓	✓	3He prod., beam very choppy

Tritium Run List

Run number	Date	Start time	End time	Target	N. of ev	Decoded?	HRS OK?	Purpose/Comments
91242	2/13	20:00	21:07	^3He	74K	✓	✓	^3He production
91243	2/13	21:08	21:53	^3He	27K	X	X	^3He production, Junk run
91244	2/13	22:23	23:35	^3He	78K	✓	✓	^3He prod, requested 15 μA , choppy beam
91245	2/13	23:36	00:35	^3He	61K	✓	✓	Lots of trips. Keep switching between 18 & 22 mA
91246	2/14	00:35	01:47	^3He	71K	✓	✓	Beam is still very trippy
91247	2/14	01:47	02:46	^3He	93K	✓	✓	BPMs moved \rightarrow high rate. Perhaps h. thing something
91248	2/14	02:33	04:12	^3H	87K	✓	✓	~20 minute long beam trip
91249	2/14	04:12	05:11	^3H	91K	✓	✓	more stable beam
91250	2/14	05:12	06:12	^3H	91K	✓	✓	Stable good beam
91251	2/14	06:14	7:26	^3H	107K	✓	✓	good beam - beginning at 22 mA
91252	2/14	7:33	8:43	D	105K	✓	✓	
91253	2/14	10:01	11:00	D	63K	✓	✓	Production; choppy beam 20 μA
91254	2/14	11:30	12:15	D	65K	✓	✓	Production, 22 μA 20 μA
91255	2/14	12:32	13:32	dummy	196K	✓	✓	Production 22 μA
91256	2/14	13:33	14:32	dummy	184K	✓	✓	Production 22 μA
91257	2/14	14:35	14:52	^3He	14K	X	X	Production; Junk
91258	2/14	15:13	16:16	^3He	79K	✓	✓	^3He production
91259	2/14	16:16	16:23	^3He	5K	X	X	production, beam down ~30 min
91260	2/14	16:53	17:55	^3He	56K	✓	✓	production, very choppy beam
91261	2/14	21:26	22:37	^3He	96K	✓	✓	^3He prod.

Tritium Run List

Run number	Date	Start time	End time	Target	N. of ev	Decoded?	HRS OK?	Purpose/Comments
91262	2/14	22:38	22:54	^3He	9K	X	X	^3He prod, <u>JUNK</u>
91263	2/14	22:55	00:07	^3He	81K	✓	✓	^3He prod.
91264	2/15	00:07	1:22	^3He	77K	✓	✓	^3He production.
91265	2/15	1:23	2:35	^3He	82K	✓	✓	^3He production.
91266	2/15	2:56	4:19	3H	92K	✓	✓	3H production
91267	2/15	4:20	5:23	3H	95K	✓	✓	3H production.
91268	2/15	5:24	6:22	3H	83K	✓	✓	3H production.
91269	2/15	6:23	7:40	3H	90K 99K	✓	✓	3H production
91270	2/15	7:41	8:18	3H	48K	✓	✓	35m 3H production
91271	2/15	8:29	9:03	dummy	93K	✓	✓	33m Production; raster clean
91272	2/16	00:36	00:41	Carbon hole				
91273	2/16	00:42	01:14	Carbon hole	1.7K	✓	✓	
91274	2/16	01:27	01:29	"				
91275	2/16	01:30	3:18	C-hole	73K	✓	✓	5uA spot++
91276	2/16	3:27	3:30	Carbon	500K	✓	✓	PS 8 = 10, PSD 24, 5, 6, 3 = 0, 5uA
91277	2/16	3:41	4:46	3H	52K	✓	✓	3H production @ 5uA
91278	2/16	4:48	5:52	3H	56K	✓	✓	3H production @ 10uA
91279	2/16	5:53	6:55	3H	50K	✓	✓	3H production @ 7uA
91280	2/16	6:58	7:59	D2	54K	✓	✓	D ₂ production @ 7uA
91281	2/16	8:00	8:32	D2	20K	—	—	D ₂ ; production @ 7uA

Tritium Run List

Run number	Date	Start time	End time	Target	N. of ev	Decoded?	HRS OK?	Purpose/Comments
91282	2/16	8:38	9:08	D2	23k	—	—	30 min run (multiple diff. currents)
91283	2/16	15:51	17:07	D2	70k	✓	✓	Choppy ~ 20 min OK
91284	2/16	17:27	18:30	D2	93k	✓	✓	Production, D target
91285	2/16	18:35	19:45	³ He	89k	✓	✓	Production
91286	2/16	19:47	21:05	³ He	89k	✓	✓	Production
91287	2/16	21:05	22:17	³ He	75k	✓	✓	Production last 20 mins NO BEAM
91288	2/16	22:27	23:52	³ He	99k	✓	✓	Production
91289	2/16	23:53	2:00	³ He	135k	✓	✓	Production
91290	2/17	2:08	3:12	³ H	110k	✓	✓	Production (Target ³ H)
91291	2/17	3:13	3:13	³ H	99k	✓	✓	Production
91292	2/17	4:22	4:28	³ H	105k	✓	✓	Production.
91293	2/17	4:29	6:52	³ H	115k	✓	✓	Production.
91294	2/17	6:55	7:56	³ H (D)	94k	✓	✓	Production (20 min continuous beam trip)
91295	2/17	7:56	8:35	D2	36k	X	X	Production / ended early Big trip
91296	2/17	9:49	10:51	D2	104k	✓	✓	Production
91297	2/17	11:02	12:06	³ He	88k	✓	✓	Production
91298	2/17	12:07	13:16	³ He	80k	✓	✓	Production
91299	2/17	13:21	14:27	³ He	91k	✓	✓	Production
91300	2/17	14:28	15:35	³ He	78k.	✓	✓	Production
91301	2/17	15:42		³ He		X	X	Production Junk. ← Coda crash

Tritium Run List

Run number	Date	Start time	End time	Target	N. of ev	Decoded?	HRS OK?	Purpose/Comments
91302	2/17	15:47	16:45	^3He	70k	✓	✓	Production.
91303	2/17	16:46	17:54	^3He	76k	✓	✓	Production
91304	2/17	17:59	19:06	^3He	90k	✓	✓	Production, Tritium.
91305	2/17	19:08	20:22	^3H	91k	✓	✓	Production
91306	2/17	20:24	21:24	^3H	71k	✓	✓	Production no beam (last run) 15 min. of run.
91307	2/17	21:37	22:52	^3H	105k	✓	✓	Production
91308	2/17	22:56	23:58	D_2	82k	✓	✓	Production
91309	2/17	23:59	01:10	D_2	100k	✓	✓	Production
91310	2/18	01:17	02:46	Optics	129k	✓	✓	Optics (lots of Grips)
91311	2/18	02:50	03:22	Carbon	35k	✓	✓	Carbon
91312	2/18	03:24	03:28	Carbon	831k			Carbon (ps8=10)
91313	2/18	03:34	04:49	Empty	87k	✓	✓	Empty Cell
91314	2/18	05:28	06:31	XXXXXX ^3He	85k	✓	✓	Production XXXXXX ^3He
91315	2/18	06:32	07:59	^3He	88k	✓	✓	Production ^3He
91316	2/18	08:00	9:09	^3He	85k	✓	✓	Production
91317	2/18	09:11	10:13	^3He	86k	✓	✓	Production
91318	2/18	10:15	11:22	^3He	91k	✓	✓	Production
91319	2/18	11:30	12:36	^3H	96k	✓	✓	Production
91320	2/18	12:37	13:46	^3H	104k	✓	✓	Production
91321	2/18	13:47	14:56	^3H	106k	✓	✓	Production

See halog for
preshower ADC plots

Tritium Run List

Run number	Date	Start time	End time	Target	N. of ev	Decoded?	HRS OK?	Purpose/Comments
91322	2/18	14:57	16:26	3H	113K	✓	✓	Production
91323	2/18	16:26	17:26	3H	103K	✓	✓	production
91324	2/18	17:31	18:32	D ₂	87K	✓	✓	D ₂ production
91325	2/18	18:32	19:32	D ₂	75K	✓	✓	D ₂ production
91326	2/18	19:41	20:39	Dummy	73K	✗	✗	25cm Dummy, 22µA, stopped to
91327	2/18	20:45	22:03	Dummy	127K	✓	✓	Dummy, poor beam
91328	2/18	22:07	22:46	Dummy	71K	✓	✓	Dummy, poor beam
91329	2/19	01:19	1:24	Home		✓	✗	PS8=10 / COSMICS RUN
91330	2/19	01:24	2:54	Home	59K	✓	✓	PS8=0 / COSMICS RUN / PS4+5=11
91331	2/19	03:17	04:16	Dummy	172K	✓	??	25cm Dummy, 22.5µA, NOTE: RQ1 OFF
91332	2/19	04:18	5:14	Dummy	163K	✓	??	22.5µA / 25cm Dummy / NOTE: RQ1 OFF
91333	2/19	05:21	6:31	Helium-3	71K	✓	-	3He with RQ1 OFF
91334	2/19	06:39	7:32	He-3	98K	✓	-	3He with RQ1 OFF
91335	2/19	07:53	09:00	3He	89K			(3He with RQ1 OFF)
91336								
91337								
91338	2/19	15:09	16:52	HOME	59.5K	✓	NO	COSMICS
91339	2/19	17:06	17:51	HOME	25.6K	✓	NO	COSMICS
91340	2/19	17:54	18:19	c-hole			NO	COSMICS
91341	2/19	22:25		3H		✓	NO RQ1	abnormal end of run (FROZEN ADAB)

JUNK
very poor beam
stopped to handle magnet error

Feb 20, 2018

Tritium Run List

Run number	Date	Start time	End time	Target	N. of ev	Decoded?	HRS OK?	Purpose/Comments
91342	2/19	23:32	00:38	^3H	106K	✓	OK	Kin 16
91343	2/20	00:40	01:49	^3H	102K	✓	OK	Kin 16
91344	2/20	01:50	03:20	^3H	118K	✓	OK	Kin 16
91345	2/20	03:20	04:24	^3H	82K	✓	OK	
91346	2/20	04:26	05:33	D_2	76K	✓	OK	Kin 16 $^2\text{H}_2$
91347	2/20	05:42	06:46	D_2	81K	✓	OK	
91348	2/20	06:54	07:57	^3He	90K	✓	OK	Kin 16 ^3He
91349	2/20	07:58	08:01	^3He	4k			
91350								
91351								
91352								COSMICS Test-DAT
91353								"
91354								"
91355	2/20	23:31	1:00	^3H	121k	✓	✓	
91356	2/21	1:02	2:13	H_3	100k	✓	✓	Production
91357	2/21	2:14	3:22	H_3	99k	✓	✓	Production
91358	2/21	3:22	4:09	H_3	67k	✓	✓	Production - stopped early - beam trip
91359	2/21	6:09	6:30	H_3	34k	✓	✓	Production
91360	2/21	6:38	7:39	Dummy	159k	✓	✓	Production
91361	2/21	7:39	8:40	Dummy	168k 168k	✓	✓	Production

Tritium Run List

Run number	Date	Start time	End time	Target	N. of ev	Decoded?	HRS OK?	Purpose/Comments
91362	2/21	9:48	10:49	He3	86K	✓	✓	Production
91363	2/21	10:13	11:23	He3	87K	✓	✓	Production
91364	2/21	11:24	12:59	He3	87K	✓	✓	Production - Beam Trip 30+min
91365	2/21	13:53	15:14	He3	89K	✓	✓	Production
91366	2/21	15:18	16:52	He3	86K	✓	✓	Production
91367	2/21	16:58	18:14	H3	85K	✓	✓	Production
91368	2/21	18:17	19:24	H3	99K	✓	✓	Production
91369	2/21	19:25	20:30	H3	96K	✓	✓	Production
91370	2/21	20:31	21:42	H3	99K	✓	✓	Production
91371	2/21	21:48	22:49	D2	91K	✓	✓	Production
91372	2/21	22:50	23:55	D2	100K	✓	✓	Production
91373	2/22	23:56	01:05	D2	68K	✓	✓	Production
91374	2/22	01:23	02:23	D2	66K	✓	✓	Production
91375	2/22	2:21	3:25	He3	84K	✓	✓	Production
91376	2/22	3:26	4:34	He3	94K	✓	✓	Production
91377	2/22	4:35	5:40	He3	92K	✓	✓	Production
91378	2/22	5:41	6:10	He3	28K	✓	✓	Production
91379	2/22	6:33	7:17	He3	64K	✓	✓	Production
91380	2/22	7:20	9:12	He3	118K	✓	✓	Production
91381	2/22	9:17	10:40	H3	111K	✓	✓	Production

Tritium Run List

Run number	Date	Start time	End time	Target	N. of ev	Decoded?	HRS OK?	Purpose/Comments
91382	2/22	10:41	11:15	H3	46K	✓	✓	Production → MCC Terminated Beam.
91383	2/22	14:41	15:44	H3	82K	✓	✓	Production
91384	2/22	15:45	16:50	H3	100K	✓	✓	Production
91385	2/22	16:57	17:50	H3	98K	✓	✓	
91386	2/22	17:54	19:17	D2	100K	✓	✓	
91387	2/22	19:18	20:17	D2	79K	✓	✓	MOVE TO EMPTY CELL SINCE MALL C WILL DO HIGH CURRENT TEST
91388	2/22	20:23	21:40	EMPTY CELL	84K	✓	✓	
91389	2/22	21:41	22:58	EMPTY CELL	81K	✓	✓	
91390	2/22	23:07	00:20	He3	93K	✓	✓	
91391	2/23	00:21	01:34	He3	91K	✓	✓	
91392	2/23	01:35	02:39	He3	94K	✓	✓	
91393	2/23	02:40	03:55	He3	109K	✓	✓	
91394	2/23	03:56	05:05	He3	87K	✓	✓	
91395	2/23	5:10	06:25	H3	110K	✓	✓	
91396	2/23	6:26	8:07	H3	150K	✓	✓	
91397	2/23	8:08	9:14	3H	105K	✓	✓	Production 3H
91398	2/23	9:14	9:22	3H	4129			Production Junk
91399	2/23	9:30	10:53	3H	122K	✓	✓	Production
91400	2/23	11:03	12:25	D	116K	✓	✓	Production
91401	2/23	12:26	13:04	D	46K	✓	✓	Production; 30 min et beam

Tritium Run List

Run number	Date	Start time	End time	Target	N. of ev	Decoded?	HRS OK?	Purpose/Comments
91402	2/23	14:46	15:32	D	71K	✓	OK	Production
91403	2/23	15:33	16:23	D	70K	✓	OK	Production A.S
91404	2/23	16:37	17:18	D	51K	✓	OK	Production A.S
91405	2/23	17:27	17:58	Optics	71K	✓	OK	Optics A.S
91406	2/23	18:01	18:37	Carbon		✓	OK	Production A.S
91407	2/23	18:39	18:45	Carbon	1360K	✓	OK	Production PS8=10
91408	2/23	18:51	19:52	He ³	75K	✓	✓	Production PS8=0
91409	2/23	19:53	20:54	He ³	75K	✓	✓	Production
91410	2/23	20:55	21:58	He ³	03K	✓	✓	Production
91411	2/23	22:06	23:11	He ³	88K	✓	✓	Production
91412	2/23	23:12	00:05	He ³	80K	✓	✓	Production
91413	2/24	00:25	01:25	3H	102K	✓	✓	Productions
91414	2/24	01:27	01:52	3H	36K	✓	✓	Productions
91415	2/24	02:10	03:12	3H	90K	✓	✓	Production
91416	2/24	03:13	04:15	3H	109K	✓	✓	Production
91417	2/24	04:16	05:17	3H	95K	✓	✓	Production
91418	2/24	05:17	06:31	3H	115K	✓	✓	Production
91419	2/24	06:37	07:40	D	94K	✓	✓	Production
91420	2/24	07:42	8:42	D	98K	✓	✓	Production
91421	2/24	8:46	10:00	He ³	90K	✓	✓	Production

Tritium Run List

Run number	Date	Start time	End time	Target	N. of ev	Decoded?	HRS OK?	Purpose/Comments
91422	2/24	10:01	11:01	He3	87K	✓	✓	Production
91423	2/24	11:01	12:10	He3	92K	✓	✓	Production
91424	2/24	12:11	13:05	He3	67K	✓	✓	Production
91425	2/24	13:18	14:40	He3	113K	✓	✓	Production
91426	2/24	14:44	15:48	3H 3	100K	✓	✓	Production
91427	2/24	15:48	16:48	3H	103K	✓	✓	Production
91428	2/24	16:48	17:47	3H	98K	✓	✓	Production
91429	2/24	17:48	18:49	3H	97K	✓	✓	Production
91430	2/24	18:54	20:10	D	103K	✓	✓	Production
91431	2/24	20:11	21:09	D	93K	✓	✓	Production
91432	2/24	21:10	22:09	D	88K	✓	✓	Production
91433	2/24	22:13	23:12	³ He	85K	✓	✓	Production
91434	2/24	23:13	00:18	³ He	90K	✓	✓	Production
91435	2/25	00:20	01:19	³ He	86K	✓	✓	Production
91436	2/25	01:20	02:22	³ He	92K	✓	✓	Production
91437	2/25	02:23	03:26	³ He	95K	✓	✓	Production
91438	2/25	03:32	04:35	3H	104K	✓	✓	Production
91439	2/25	04:35	05:34	3H	97K	✓	✓	Production
91440	2/25	05:35	06:37	3H	90K	✓	✓	Production
91441	2/25	06:38	07:49	3H	115K	✓	✓	Production

Tritium Run List

Run number	Date	Start time	End time	Target	N. of ev	Decoded?	HRS OK?	Purpose/Comments
91442	2/25	07:58	9:00	Dummy	184K	✓	✓	Production
91443	2/25	9:00	10:00	Dummy	167K	✓	✓	Production
91444	2/25	10:04	11:09	3He	83K	✓	✓	Production 167K
91445	2/25	11:10	12:20	3He	93K	✓	✓	Production
91446	2/25	12:20	13:26	3He	87K	✓	✓	Production
91447	2/25	13:27	14:33	3He	85K	✓	✓	Production
91448	2/25	14:33	15:41	3He	85K	✓	✓	Production
91449	2/25	15:48	16:59	3H	99.6K	✓	✓	Production
91450	2/25	17:00	18:19	3H	106K	✓	✓	Production, beam choppy
91451	2/25	18:19	19:27	3H	85K	✓	✓	Production, beam choppy
91452	2/25	19:28	20:30	3H	101K	✓	✓	production, much better beam
91453	2/25	20:33	21:44	D ₂	100K	✓	✓	D ₂ production
91454	2/25	21:44	23:01	D ₂	94K	✓	✓	production,
91455	2/25	23:02	00:02	D ₂	87K	✓	✓	production
91456	2/26	00:12	01:17	He3	86K	✓	✓	production
91457	2/26	01:18	02:15	He3	73K	✓	✓	production (ended the run, no beam)
91458	2/26	04:40	05:50	He3	104K	✓	✓	production
91459	2/26	05:52	07:01	He3	92K	✓	✓	production
91460	2/26	07:02	8:11	He3	87K	✓	✓	production
91461	2/26	8:12	9:01	He3	67K	✓	✓	Production (50 min)

Tritium Run List

Run number	Date	Start time	End time	Target	N. of ev	Decoded?	HRS OK?	Purpose/Comments
91462	2/26	9:08	10:15	empty cell	73K	✓	✓	Production
91463	2/26	10:16	11:00	empty cell	39K	✓	✓	Production
91464	2/26	15:10	15:13	Home	583K			Shower pedestal check
91465	2/26	15:38		Home				
91466	2/26	9:04		H3				Production - Junk!
91467	2/26	23:31	00:35	D2	103K	✓	✓	production
91468	2/27	00:36	01:44	D2	112K	✓	✓	production
91469	2/27	01:45	02:25	D2	95K	✓	✓	production
91470	2/27	02:51	03:55	He3	94K	✓	✓	production
91471	2/27	03:56	04:57	He3	84K	✓	✓	production
91472	2/27	04:58	06:02	He3	87K	✓	✓	production
91473	2/27	06:02	07:13	He3	91K	✓	✓	production
91474	2/27	07:14	8:32	He3	111K	✓	✓	production; 75 min
91475	2/27	12:46	13:54	He3	86K	✓	✓	Production
91476	2/27	14:25	15:29	3H	103K	✓	✓	Production
91477	2/27	15:30	16:45	3H	101K	—	—	Production
91478	2/27	16:46	17:47	3H	110K	—	—	Production
91479	2/27	17:49	18:54	3H	102K	—	—	Production
91480	2/27	18:57	20:07	D2	100K	—	—	Production
91481	2/27	20:08	21:12	D2	100K	—	—	Production

Tritium Run List

Run number	Date	Start time	End time	Target	N. of ev	Decoded?	HRS OK?	Purpose/Comments
90482	2/27	21:18	22:24	He3	100K	✓	✓	Production
90483	2/27	22:24	23:34	He3	100K	✓	✓	Production
90484	2/27	23:34	00:38	He3	90K	✓	✓	Production
90485	2/28	00:39	01:42	He3	92K	✓	✓	Production
90486	2/28	01:42	02:23	He3	33K	X	X	Production - JUNK
90487	2/28	03:22	04:31	He3	99K	✓	✓	Production
90488	2/28	04:37	05:53	H3	105K	✓	✓	Production
90489	2/28	05:54	07:00	H3	108K	✓	✓	Production
90490	2/28	07:01	8:22	H3	109K	✓	✓	Production
90491	2/28	08:22	09:34	H3	104K	✓	✓	production
90492	2/28	09:35	10:41	H3	119K	✓	✓	production
90493	2/28	10:46	12:01	D2	91K	✓	✓	production
90494	2/28	12:01	13:03	D2	99K	✓	✓	production
90495	2/28	13:09	14:28	He3	93K	✓	✓	production
90496	2/28	14:24	15:46	He3	98K	✓	✓	production
90497	2/28	15:46	16:54	He3	95K	✓	✓	production
90498	2/28	16:55	18:02	He3	95K 97K	✓	✓	production
90499	2/28	18:03	19:07	He3	93K	✓	✓	production
90500	2/28	19:13	20:35	H3	120K	✓	✓	
90501	2/28	20:35	21:06	H3	40K	✓	✓	production (stop early)

X

had been only 10 min.

Tritium Run List

Run number	Date	Start time	End time	Target	N. of ev	Decoded?	HRS OK?	Purpose/Comments
90502	2/28	22:05	23:02	H3	89K	✓	✓	production
90503	2/28	23:03	00:18	H3	118K	✓	✓	production
90504	3/1	00:19	01:34	H3	110K	✓	✓	production
90505	3/1	01:39	02:44	D2	94K	✓	✓	production
90506	3/1	02:45		D2				Production (TUNK) (no beam)
90507	3/1	03:07	04:18	D2	107K	✓	✓	Production
90508	3/1	04:19	05:30	D2	92K	✓	✓	Production
90509	3/1	05:37	06:52	He3	99K	✓	✓	Production
90510	3/1	06:52	08:08	He3	92K	✓	✓	Production
90511	3/1	08:10	9:15	He3	93K	✓	✓	production
90512	3/1	9:15	10:32	He3	99K	✓	✓	production
90513	3/1	10:33	11:44	He3	82K	✓	✓	Production
90514	3/1	11:51	12:57	He3	92K	✓	✓	Production
90515	3/1	13:02	14:03	H3	107K	✓	✓	Production
90516	3/1	14:03	15:10	H3	105K	✓	✓	production
90517	3/1	15:11	16:20	H3	108K	✓	✓	production
90518	3/1	16:21	17:29	H3	99K	✓	✓	production
90519	3/1	17:36	18:44	Dummy	83K	✓	✓	Production over
90520	3/1	19:23	19:52	Dummy	55K	✓	✓	production
90521	3/1	20:03	21:41	Dummy	202K	✓	✓	production

Terminated due to lost beam

Tritium Run List

Run number	Date	Start time	End time	Target	N. of ev	Decoded?	HRS OK?	Purpose/Comments
90522	3/1	21:45	22:56	He3	96K	✓	✓	Production
90523	3/1	22:57		He3		—	—	Production
90524								
90525								
90526								
90527								
90528								
90529								
90530								
90531	3/2	16:05	17:27	H3	101K	—	—	Production
90532	3/2	17:28	19:40	H3	104K	—	—	Production
90533	3/2	18:41	19:44	H3	106K	✓	✓	Production
90534	3/2	19:47	20:59	H3	102K	—	—	Production
90535	3/2	21:00	22:29	H3	114K	—	—	Production
90536	3/2	22:49	23:54	D2	102K	—	—	Production
90537	3/2	23:55	00:55	D2	72K	✓	✓	Production
90538	3/3	02:13	03:16	D2	104K	✓	✓	Production
90539	3/3	03:18	04:11	D2	80K	✓	✓	Production
90540	3/3	04:16	05:19	He3	94K	✓	✓	Production
90541	3/3	05:20	06:30	He3	113K	✓	✓	Production

} Target is 42

Tritium Run List

Run number	Date	Start time	End time	Target	N. of ev	Decoded?	HRS OK?	Purpose/Comments
90542	3/3	06:30	07:36	He3	101k	/	/	Production
90543	3/3	07:37	08:00	He3	33k	/	/	Production
90544	3/3	08:00	9:00	He3	77k	/	/	Production
90545	3/3	9:02	9:24	He3	20k	/	/	Production (stop)
90546	3/3	12:10	13:11	He3	88k	/	/	Production
90547	B/B	13:13	14:18	He3	93	✓	✓	production
90548	3/3	14:20	15:24	He3	92	✓	✓	Production
90549	3/3	15:25	16:23	He3	8e	/	/	Production
90550	3/3	14:33	17:30	H3	92k	/	/	Production.
90551	3/3	17:30	18:37	H3	107k	/	/	Production
90552	3/3	18:38	19:40	H3	102k	/	/	Production. <small>PASTER OFF @ END OF RUN</small>
90553	3/3	21:36	21:44	Carbon	1.95M	N/A	N/A	Commission
90554	3/3	22:12	23:23	H3	126k	/	/	Production.
90555	3/3	23:25	00:50	H3	133k	✓	✓	Production
90556	3/3	00:51	2:01	H3	118k	✓	✓	Production
90557	3/4	2:06	3:14	He3	97k	✓	✓	Production
90558	3/4	3:15	4:27	He3	103k	✓	✓	Production
90559	3/4	4:28	5:40	He3	96k	✓	✓	Production
90560	3/4	5:40	5:48	He3				Production Junk - no beam
90561	3/4	5:56	7:09	He3	101k	✓	✓	Production

Target is H₂
A.S
A.S

Tritium Run List

Run number	Date	Start time	End time	Target	N. of ev	Decoded?	HRS OK?	Purpose/Comments
90582								
90583	03107	16:50	03110 11:54	Home	1.4M	no vdc		Cosmic check trigger ps5=ps6=1
90584	03110	11:55	03113 16:51	Home	1.2M	threshold		Cosmic check trigger ps4=ps5=1
90585	03113	16:50	03116 13:57	Home	1.5M	control		Cosmic check trigger ps5=1 only
90586	03116	14:05	03119 13:58	Home	1.2M			Cosmic check trigger ps4=ps5=1
90587	03119	14:04	03121 12:35	Home	1.1M			Cosmic check trigger ps5=ps6=1
90588	03121	17:38	17:35/47	Home	1.01M			Cosmic check trigger ps6=1 only
90589	03/23	18:00		@C hole			Beam Center	Beam Center
90590				C hole				
90591				...				Beam Centering - BPMs
90592								Beam Centering
90593								BPM pos (1.6, 0.5 / 3.2, 0.0)
90594		22:25		...				(1.6, 1.5 / 3.2, 1.0)
90595		22:35						(1.6, -0.5, 3.2, -1.0)
90596								(1.6, 0.25 / 3.2, -0.25)
90597		22:57 22:50		Foil C12				Raster Calib TH=10
90598								...
90599								
90600								
90601								

moving
and

02/24

Tritium Run List

Run number	Date	Start time	End time	Target	N. of ev	Decoded?	HRS OK?	Purpose/Comments
91602	02/24	00:37	01:10	Optics	39k			optics step 1 w optics
91603	3/24	01:11	01:52	optics	72k	✓	✓	optics step 1 with optics target
91604	3/24	01:54	02:21	optics	40k	✓	✓	
91605	3/24	02:28	03:12	optics	47k	✓	—	Multi-Foil: Dipole still ramping steps
91606	3/24	03:13	03:39	optics	37k	✓	✓	Multi-Foil
91607	3/24	03:40	04:10	optics	40k	✓	—	optics (MF)
91608	3/24	04:11	04:57	optics	57	✓	✓	" "
91609	3/24	04:58	05:29	optics	32k	✓	—	" "
91610	3/24	06:05	06:35	optics	39k	✓	✓	" "
91611	3/24	06:42	07:20	optics	49k			" "
91612	3/24	07:21		optics				" "
91613	3/24	08:38	8:45	optics.	11k.			
91614	3/24	8:46		optics.				
91615	3/24	12:05	12:17	optics	234k.	✓	✓	
91616	3/24	16:30	17:00	optics	35k			
91617	3/24	20:35	22:26	optics	3.9M	✓	✓	Ti/P ₀ = 1.25 GeV
91618	3/24	22:31	00:32	Titanium	5.1M	✓	—	Ti/P ₀ = 1.25 GeV
91619	3/25	00:39	02:08	Titanium	5M	✓	✓	Ti/P ₀ = 1.25 GeV
91620	3/25	02:13	03:41	Titanium	5M	✓	—	Titanium/P ₀ = 1.25 GeV
91621	3/25	03:46	04:53	Multi-foil optics	3.9M	✓	✓	P ₀ = 1.25 GeV

Tritium Run List

Run number	Date	Start time	End time	Target	N. of ev	Decoded?	HRS OK?	Purpose/Comments
91622	3/25	04:53	05:47	optics	2.6M	✓	✓	$P_0 = 1.25 \text{ GeV}$ / Ended early
91623	3/25	06:12	07:26	optics	5.0M	✓	✓	$P_0 = 1.25 \text{ GeV}$
91624	3/25	07:27	08:05	optics	2.7M	✓	✓	$P_0 = 1.25 \text{ GeV}$
91625	3/25	08:59	09:13	Titanium	426K			Junk
91626	3/25	09:13	09:24	Titanium	1.29K	✓	✓	$P_0 = 1.25 \text{ GeV}$ / Ended early
91627	3/25	09:5	10:23	Titanium	845K	✓	✓	$P_0 = 1.25 \text{ GeV}$ / Ended early
91628	3/25	10:54	12:02	Titanium	2M	✓	✓	$P_0 = 1.25 \text{ GeV}$
91629	3/25	12:05	13:20	Titanium	2M	✓	✓	$P_0 = 1.25 \text{ GeV}$
91630	3/25	13:21	13:45	Titanium	526K	✓	✓	$P_0 = 1.25 \text{ GeV}$
91631	3/25	13:46	14:26	Titanium	1.12M	✓	✓	$P_0 = 1.25 \text{ GeV}$
91632	3/25	14:33	14:50	Titanium	479K	✓	✓	$P_0 = 1.25 \text{ GeV}$
91633	3/25	15:01	15:34	Titanium	—	JUNK	—	$P_0 = 1.25 \text{ GeV}$ / Junk
91634	3/25	15:16	17:00	Titanium	✓	✓	✓	$P_0 = 1.25 \rightarrow 1.48 \text{ GeV}$
91635	3/25	17:00	19:30	Ti	3.3M 1.7M	✓	✓	$P_0 = 1.48 \text{ GeV}$
91636		19:30	20:48	Ti	1.9M	✓	✓	
91637		20:50	22:30	Ti	2.6M	✓	✓	
91638			23:00	Ti				
91639		23:05	23:11	Ti				harp scan A
91640		23:26	23:30	Ti				harp B
91641	3/26	00:09	00:24	Ti	2.2M			harp C

$P_0 = 1.48$

Tritium Run List

Run number	Date	Start time	End time	Target	N. of ev	Decoded?	HRS OK?	Purpose/Comments
91642	3/26	00:37	00:46	T				harp scan D
91643	3/26	00:50	00:52	T				Junk
91644	3/26	01:06	01:08	T				Junk #1
91645	3/26	01:17	01:24	T				harp scan E
91646	3/26	01:37	01:38	T				harp scan F
91647	3/26	01:53	02:58	optics				Junk
91648	3/26	02:00	02:19	optics	715K			$P_0 = 1.48$
91649	3/26	02:21	02:28	optics	7188K			optics / $P_0 = 5.82 / Q_1 = 847.4$ $P_0 = 1.48$
91650	3/26	03:10	04:03	optics	1.6M			$P_0 = 1.48$
91651	3/26	05:21	06:06	optics	718K			$P_0 = 1.48$
91652	3/26							
91653	3/26	14:45	15:01	optics Dummy	22K			$P_0 = 2.9$
91654	3/26	15:07	15:08	Optics	113			$P_0 = 2.9$
→ 91655	3/26	17:01	18:36	positron Dummy/run	144K	✓	✓	positron run $I = 10 \mu A$ Dummy
91656	3/26	21:02	22:13	Dummy	76K	✓	⊙	Beam off on a lot and on a lot
91657	3/26	21:06	22:43	Dummy	41.8			Stopped to move spectrometer
91658	3/26	21:06 23:57	00:27	Dummy	84K	✓	✓	Start of run appears earlier
→ 91659	3/27	00:24	01:27	Dummy	108K	✓	✓	$PS1 = PS2 = PS3 = 0$ $PS4 = PS5 = PS6 = 1$ $I = 10 \mu A$
91660	3/27	1:43	02:12	Dummy	27K	✓	✓	NO BEAM LONG TIME
91661	3/27	2:27	2:36	Dummy	4.9K	-	-	No beam

Tritium Run List

Run number	Date	Start time	End time	Target	N. of ev	Decoded?	HRS OK?	Purpose/Comments
91662	3/27	2:58	3:39	Dummy	62K	✓	✓	PS4=PS5=PS6=1 I=10µA
91663	3/27	3:49	5:00	Dummy	114K	✓	✓	
91664	3/27	5:02	6:00	Dummy	87K	✓	✓	
91665	3/27	6:30	7:34	Dummy	94K	✓	✓	LHRS angle = 20.57
91666	3/27	7:34	8:25	Dummy	69K			
91667	3/27	8:52	9:55	He3	95.8K	✓	✓	He3 Prod 15a 16
91668	3/27	9:58		H ₁				
91669								
91670								
91671								
91672				Carbon	9			Rafter
91673				Carbon				
91674				Carbon				
91675				D2				
91676				D2				
91677	3/27	20:26	20:55	D2				468703/40435
91678	3/27	21:00	21:06	Tritium				68571/3242
91679	3/27	21:14	21:24	Tritium				114827
91680	3/27	21:38	22:03	Tritium				534635/91680
91681	3/27	22:05	22:31	Tritium				40592

Tritium Run List

Run number	Date	Start time	End time	Target	N. of ev	Decoded?	HRS OK?	Purpose/Comments
91682	3/27	22:33	23:02	Tritium				5587489/45937
91683	3/27	23:06	23:29	Hydrogen				4500027 / 91683
91684	3/27	23:34	00:22	Empty				91916 5597578 / 2446 ⁹¹⁶⁸⁴
91685	3/28	00:46	1:48	He3				73140 / 91685 (He beam current was varying fr 10-25 mA)
91686	3/28	1:49	3:15	He3				118142 / 91686
91687	3/28	3:19	4:33	H				93415 / 91687
91688	3/28	4:34	5:54	H				130520 / 91688
91689	3/28	6:06	7:14	D				107954 / 91689
91690	3/28	7:14	8:16	D	101K			
91691	3/28	8:30	9:00	H3	40K			
91692	3/28	10:31	11:40	H3	113K	✓	✓	Run 16 Prod.
91693	3/28	11:40	12:32	H3	76K	✓	✓	stepped course of Trip.
91694	3/28	12:45	1:10	H3	43K			
91695	3/28	13:21	14:30	Empty Cell	81K	✓	✓	Cryo loss in South Linac
91696	3/28			home				cosmics?
91697	3/28	16:03	16:07	home	~100K			PS8=100 → pedestal test
91698	3/28	16:08	16:23	home				cosmics
91699	3/28	16:25	16:26	home	50K			PS8=100 → pedestal test
91700	3/28	16:32	16	home				cosmics.
91701	3/28	17:15	17:32	home	4.2M	-	-	T8=50, unscr

Tritium Run List

Run number	Date	Start time	End time	Target	N. of ev	Decoded?	HRS OK?	Purpose/Comments
91702	3/28	17:33	18:15	—	543K			T8=500 unscr
91703	3/28	23:27	23:31	Carbon	818K	—	—	T8=10 raster
91704	3/28	23:53	00:04	D	122K			
91705	3/28	00:20	00:22	Home	—	—	—	BCM Calibr PS8=500 Junk!
91706	3/28	00:33	1:22	Home	607K	—	—	BCM Calibr PS8=500
91707	3/28	1:29	1:32	Dummy		—	—	PS4=PS5=PS6=1 I=22 μ A
91708	3/28	1:32	1:35	Dummy	6,8K	—	—	PS5=PS6=1 I=22 μ A
91709	3/28	1:39	1:45	Empty	6,8K	✓	✓	PS4=PS5=PS6=1 I=22 μ A
91710	3/29	1:49	2:06	1H	29K	✓	✓	I=22 μ A
91711	3/29	2:07	2:28	1H	29K	✓	✓	I=22 μ A
91712	3/29	2:28	2:49	1H	30K	✓	✓	I=22 μ A
91713	3/29	2:50	3:48	1H	48K	✓	✓	No Beam long time I=22 μ A
91714	3/29	4:08	4:15	1H	9K	—	—	Beam position is not stable I=22 μ A
91715	3/29	4:19	4:29	1H	14K	✓	✓	I=22 μ A
91716	3/29	4:33	4:43	Empty	10K	✓	✓	I=11 μ A
91717	3/29	4:47	5:04	1H	18K	✓	✓	I=11 μ A
91718	3/29	5:05	5:20	1H	16K	✓	✓	I=11 μ A
91719	3/29	5:21	5:45	1H	22K	✓	✓	I=11 μ A
91720	3/29	5:46	6:03	1H	18K	✓	✓	I=11 μ A
91721	3/29	6:04	6:23	1H	19K	✓	✓	I=11 μ A

BCM
calibr

40%
Deadtime

1

2

3

4

4 'Junk'!

5

1

2

3

4

5

Tritium Run List

Run number	Date	Start time	End time	Target	N. of ev	Decoded?	HRS OK?	Purpose/Comments
91722	3/29	6:24	6:43	1H	19k	✓	✓	I = 11 μ A 6
91723	3/29	6:44	7:00	1H	17k	✓	✓	I = 11 μ A 7
91724	3/29	7:00	7:18	1H	18k	✓	✓	I = 11 μ A 8
91725	3/29	7:22	7:46	Empty	20k	✓	✓	I = 22 μ A
91726	3/29	7:51	8:28	2H(D)	45k	✓	✓	I = 22 μ A
91727	3/29	8:29	8:53	2H(D)	34k	✓	✓	I = 22 μ A
91728	3/29	9:03	9:15	Empty	11.8k	✓	✓	↑ 11 μ A
91729	3/29	9:20	9:36	2H(D)	17.5k	✓	✓	11 μ A
91730	3/29	9:37	9:59	2H(D)	21k	✓	✓	Boiling check & production 11 μ A
91731	3/29	10:00	10:16	2H(D)	17k	✓	✓	↓ 11 μ A
91732	3/29	10:16	10:34	2H(D)	18k	✓	✓	trippy beam 22 μ A
91733	3/29	10:41	10:57	Empty	15k	✓	✓	22 μ A
91734	3/29	11:06	11:18	³ H	17k	✓	✓	22 μ A
91735	3/29	11:18	11:35	³ H	29k	✓	✓	22 μ A
91736	3/29	11:36	12:03	³ H	50k	✓	✓	22 μ A
91737	3/29	12:04	12:27	³ H	34k	✓	✓	22 μ A
91738	3/29	12:34	12:43	Empty	7k	✓	✓	11 μ A
91739	3/29	12:47	13:09	³ H	20k	✓	✓	11 μ A
91740	3/29	13:09	13:25	³ H	19k	✓	✓	11 μ A
91741	3/29	13:26	13:46	³ H	20k	✓	✓	11 μ A

Tritium Run List

Run number	Date	Start time	End time	Target	N. of ev	Decoded?	HRS OK?	Purpose/Comments
91742	3/29	13:47	14:05	³ H	19k	✓	✓	Boiling check 11 μ A
91743	3/29	14:05	14:38	³ H	29k	✓	✓	& Production 11 μ A
91744	3/29	14:39	15:15	³ H	30k	✓	✓	11 μ A
91745	3/29	15:16	15:35	³ H	19k	✓	✓	11 μ A
91746	3/29	14:45	15:51	Empty	9.2k	✓	✓	16 μ A
91747	3/29	15:57	16:18	³ H	28.8k	✓	✓	16 μ A
91748	3/29	16:19	17:27	³ H	7.2k	✓	✓	(trippy beam during part of run) 16 μ A
91749	3/29	19:35	19:53	v				Cosmic 0 μ A
91750	3/29	19:56	19:58		138k			pedestal run ps=100 0 μ A
91751	3/29	20:35	21:40		9.2k	✓	✓	Boiling check Production
91752	3/29	21:42	23:42	³ H				Empty ^{check to} target Beamoff trippy * ←
91753	3/29	23:59	0:50	Empty	7.8k	✓	✓	Boiling 22 μ A
91754	3/30	0:11	0:38	He	27k	✓	✓	Boiling / 22 μ A
91755	3/30	0:42	1:05	He	260k	✓	✓	Boiling / 22 μ A
91756	3/30	1:07	1:39	He	34k	✓	✓	Boiling / 22 μ A
91757	3/30	1:40	2:01	He	29k	✓	✓	Boiling / 22 μ A
91758	3/30	02:03	2:22	He	24k	✓	✓	Boiling / 22 μ A
91759	3/30	02:23	02:55	He	37k	✓	✓	Boiling / 22 μ A
91760	3/30	02:57	03:23	He	40k	✓	✓	Boiling / 22 μ A
91761	3/30	03:30	03:53	Empty cell	18k	✓	✓	Boiling / 11 μ A

Tritium Run List

Run number	Date	Start time	End time	Target	N. of ev	Decoded?	HRS OK?	Purpose/Comments
91762	3/30	03:57	04:13	3He	16K	✓	✓	Boiling check / 11 μ A
91763	3/30	04:15	04:37	3He	23K	✓	✓	Boiling check / 11 μ A
91764	3/30	04:39	04:58	3He	19K	✓	✓	Boiling check / 11 μ A
91765	3/30	04:59	5:21	3He	20K	✓	✓	Boiling check / 11 μ A
91766	3/30	05:23	05:41	3He	18K	✓	✓	Boiling check / 11 μ A
91767	3/30	05:42	05:58	3He	17K	✓	✓	Boiling check / 11 μ A
91768	3/30	06:00	06:17	3He	16K	✓	✓	Boiling check / 11 μ A
91769	3/30	06:19	06:36	3He	17K	✓	✓	Boiling check / 11 μ A
91770	3/30	06:37	07:06	3He	22K	✓	✓	Boiling check / 11 μ A
91771	3/30	07:07	07:31	3He	22K	✓	✓	Boiling check / 11 μ A
91772	3/30	07:32	07:52	3He	19K	✓	✓	Boiling check / 11 μ A
91773	3/30	07:56	08:10	Empty cell	14k	✗		Boiling check / 16 μ A
91774	3/30	08:14	9:01	3He	30K			16 μ A (^{long} 5 minutes beam out)
91775	3/30	9:15	12:28	3He	227K	✓	✓	16 μ A
91776	3/30	12:31	12:47	Empty cell	17K			16 μ A
91777	3/30	12:50	15:03	1H	168K	✓	✓	16 μ A
91778	3/30	19:22	19:41	Eupty	17.9K	✓	✓	16 μ A
91779	3/30	19:46	20:43	Deuterium	506K	✓	✓	16 μ A
91780	3/30	20:44	21:37	11	58.8K	✓	✓	
91781	3/30	22:05	22:23	Carbon hole				16 μA spot #

(For km4
on left)

Tritium Run List

Run number	Date	Start time	End time	Target	N. of ev	Decoded?	HRS OK?	Purpose/Comments
91782	3/30	22:29	22:40	Carbon foil				Restor calibration
91783	3/30	22:44	22:45	"				PS8=10 " X Beam tipped off
91784	3/30	22:47	22:56	"				PS8=10
91785	3/30	23:00	23:10	Optics Multibill				Optics 22 μ A
91786	3/30	23:13	23:31	Dummy	58.6K	✓	✓	Dummy \Rightarrow Shower 36 pedestal
91787	3/30	23:34	0:06	Empty	48K	✓	✓	Empty \Rightarrow σ has widened.
91788	3/31	00:20	1:54	^3He	148K	✓	✓	Kin 16 ^3He
91789	3/31	02:00	3:05	^3H	113K	✓	✓	Kin 16 ^3H
91790	3/31	03:08	4:22	$^2\text{H(D)}$	119K	✓	✓	Kin 16 D
91791	3/31	4:25	6:04	H	162K	✓	✓	Kin 16 H
91792	3/31	6:21	7:05	Empty	56K	✓	✓	Kin 16 empty
91793	3/31	7:15	7:56	^3He	39K			Kin 16: ^3He ended after 30 min down time
91794	3/31	12:36	14:21	^3He	140K	✓	✓	Kin 16: ^3He
91795	3/31	14:25	16:17	^3H	193K	✓	✓	Kin 16: ^3H , 22 μ A \leftarrow ^3H
91796	3/31	16:23	17:18	$^2\text{H(D)}$	72K	✓	✓	Kin 16: ^2H 22 μ A 22 μA
91797	3/31	20:35	20:52	Carbon foil				Spot #
91798	3/31	21:30	22:24	$^2\text{H(D)}$	67K			Kin 16: ^2H 22 μ A
91799	3/31	22:34	23:30	H	68K	✓	✓	Kin 16: H " 22.5 μ A
91800	3/31	23:32	0:22	H	65K	✓	✓	Kin 16 H 22.5 μ A
91801	04/01	0:24	01:12	H	65K	✓	✓	Kin 16 H 22.5 μ A

Tritium Run List

Run number	Date	Start time	End time	Target	N. of ev	Decoded?	HRS OK?	Purpose/Comments
91802	04/01	01:16	01:35	H	15K	✓	✓	Kin 16 H, 22.5 μ A
91803	04/01	01:39	02:26	3He	47K	✓	✓	Kin 16, He3 22.5 μ A
91804	04/01	02:27	03:23	Helium 3	75K	✓	✓	Kin 16 He-3 22.5 μ A
91805	04/01	03:31	04:01	Tritium	52K	✓	✓	Kin 16 Tritium, 22.5 μ A
91806	04/01	04:03	04:28	Tritium	45K	✓	✓	Kin 16 Tritium, 22.5 μ A
91807	04/01	04:35	04:52	Empty cell	19K	✓	✓	Kin 16 Empty cell, 22.5 μ A
91808	04/01	05:07	05:21	Carbon hole	12K	✓	✓	Carbon Kin 16, carbon hole,
91809	04/01	5:26	05:34	carbon foil	1781K	✓	✓	Kin 16 carbon foil 22.5 μ A
91810	04/01	05:38	05:46	carbon foil	8K	✓	✓	Kin 16 carbon foil 22.5 μ A
91811	04/01	05:51	05:58	Optics	15K	✓	✓	Kin 16 Optics, 22.5 μ A
91812	4/01	06:03	6:27	Dummy		✓	✓	Kin 16, Dummy, 22.5 μ A - codg crashed
91813	4/01	06:34	07:12	Helium 3	49K	✓	✓	Kin 16 Helium 3 22.5 μ A
91814	04/01	07:13	07:54	Helium 3	49K	✓	✓	Kin 16 Helium 3 22.5 μ A
91815	04/01	07:56	8:38	Helium 3	50K	✓	✓	Kin 16 Helium 3 22.5 μ A
91816	04/01	08:43	9:20	3H	58K	✓	✓	Kin 16 3H, 22 μ A
91817	04/01	9:21	10:00	3H	56K	✓	✓	Kin 16 3H, 22 μ A
91818	04/01	10:13	11:03	3H	71K	✓	✓	Kin 16, 3H, 22 μ A
91819	04/01	11:05	13:10	D	164K	✓	✓	Kin 16 D, 22 μ A
91820	04/01	13:19	14:41	Empty	99K	✓	✓	Kin 16 Empty, 22 μ A
91821	04/01	14:44	16:23	Helium-3	125K	✓	✓	Kin 16 Helium-3, 22 μ A

Tritium Run List

Run number	Date	Start time	End time	Target	N. of ev	Decoded?	HRS OK?	Purpose/Comments
91822	04/01	16:23	16:50	^3He	35K	✓	✓	kin 16 Helium 3 22 μA
91823	04/01	16:58	17:51	^3H	44K	✓	✓	kin 16 Tritium 22 μA
91824	04/01	17:58	19:45	^3H	122K	✓	✓	kin 16 Tritium 22 μA
91825	04/01	19:59	20:36	^3H	55K	✓	✓	kin 16 Tritium 22 μA
91826	04/01	21:21	21:33	Carbon foil				Carbon foil 22 μA
91827	04/01							
91828	04/01	21:38	21:43	Carbon foil				kin 16 Carbon foil PS4=PS5=PS6=0 PS8=10
91829	04/01	21:48	21:59	Optics ^{Multifil}				Optics Multifil target
91830	04/01	22:05	22:40	Dummy	99K	✓	✓	kin 16 Dummy 22 μA
91831	04/01	22:45	23:53	^3He	81K	✓	✓	kin 16 Helium 3 22 μA
91832	04/01	23:55	01:02	^3He	85K	✓	✓	kin 16 Helium 3 22 μA
91833	04/02	01:03	02:11	^3He	90K	✓	✓	kin 16 Helium 3 22 μA
91834	04/02	02:16	03:22	^3H	108K	✓	✓	kin 16 Tritium 22 μA
91835	04/02	03:23	04:33	^3H	111K	✓	✓	kin 16 Tritium 22 μA
91836	04/02	04:37	05:41	Deuterium	94K	✓	✓	kin 16 Deuterium 22 μA
91837	04/02	05:42	06:53	Deuterium	99K	✓	✓	kin 16 Deuterium 22 μA
91838	04/02	07:01	08:08	Empty cell	76K	✓	✓	kin 16 Empty Empty 22 μA
91839	04/02	08:		?				
91840	04/02	11:19	11:19	Home	48K			cosmics/clock
91841	04/02	15:41	19:06	Home				Cosmics

Deuterium

Tritium Run List

Run number	Date	Start time	End time	Target	N. of ev	Decoded?	HRS OK?	Purpose/Comments
91842	04/02	19:19	19:31	Helium3	23K	✓	✓	kin 16 Helium 3 22 μ A
91843	04/02	20:52	21:17	"	32K	✓	✓	kin 16 Helium3 stopped run to check FADC sum
91844	04/02	21:20	21:49	"	54K	✓	✓	kin 16 Helium 3 <u>CK FADC</u> investigate sum
91845	04/02	21:52	22:32	"	66K	✓	✓	kin 16 Helium 3 " 22 μ A
91846	04/02	22:49	23:43	"	81K	✓	✓	kin 16 Helium 3 " 22 μ A
91847	04/02	23:55	1:15	"	130K			kin 16 Helium 3 22 μ A
91848	04/03	1:29	2:50	Tritium	151K			kin Tritium 22 μ A
91849	04/03	2:56	3:55	Tritium	135K			kin 6 Tritium 22 μ A
91850	04/03	3:58	4:16	Tritium	38K			kin 6 Tritium 22 μ A
91851	04/03	4:23	5:07	Deuter	74K			kin 6 Deut 22 μ A
91852	04/03	5:26	5:54	Carbon Hole	40.3K			kin 6 Carbon Hole
91853	04/03	6:00	6:08	Carbon Target	1900K			kin 6 Carbon Target PS8 = 10
91854	04/03	6:10	6:33	Hard Scat	400K			5 μ A Hard Scat PS8 = 100
91855	04/03	6:44	7:07	Carbon Target	33.7K			22 μ A Carbon Target PS = 0
91856	04/03	7:08	7:43	Optics	87.7K			22 μ A Optics Target
91857	04/03	7:47	8:00	Empty	19.8K			Empty cell target 22 μ A
91858	4/3	10:12	12:37	home	51K			cosmic ps6=1, ps4=ps5=0, FADC mode 10
91859	4/3	12:41	-	home				transfer calibration
91860	4/3	13:52	15:00	home				transfer calib Cosmic
91861	4/							Junk

waste
 check FADC sum
 check CK FADC investigate sum
 Target change name of target

Tritium Run List

Run number	Date	Start time	End time	Target	N. of ev	Decoded?	HRS OK?	Purpose/Comments
91862	04/03			Home				Unser calibration
91863	04/03			Home				cosmics / Tank
91864	04/03	16:17	17:05	Home	28K			cosmics
91865	04/03	17:45	18:04	Home Euphy	24K	✓	✓	Euphy 22µA kin16
91866	04/03	18:10	18:40	Helium 3	23K	✓	✓	Helium 3 22µA kin16
91867	04/03	19:04	19:48	"	39K	✓	✓	Helium 3 22µA kin16
91868	04/03	19:52	20:45	"	60K	✓	✓	Helium 3 22µA kin16
91869	04/03	20:46	21:59	"	92K	✓	✓	Helium 3 " "
91870	04/03	22:22	22:45	Helium 3	168K	✓	✓	Helium 3 22µA kin16
91871	04/04	02:48	03:55	Helium 3	93K	✓	✓	Helium 3 22µA kin16
91872	04/04	03:56	05:04	Helium 3	95K	✓	✓	Helium-3 22µA kin16
91873	04/04	05:10	06:42	3H	127K	✓	✓	3H 22µA kin16
91874	04/04	06:43	07:45	3H	62K	✓	✓	3H 22µA kin16
91875	04/04	09:31	9:59	3H	33K	✓	✓	3H 22µA kin16. (~13mm beam)
91876	04/04	11:04	12:16	3H	77K	✓	✓	22µA kin16
91877	4/4	12:17	14:23	3H	159K	✓	✓	22µA kin16
91878	4/4	14:24	14:54	3H	41K	✓	✓	22µA kin16
91879	4/4	15:32		3H				22µA kin16
91880	4/4	16:43	18:35	3H				
91881	4/4	18:36	19:34	3H	90K	✓	✓	22µA kin16

Beam off

Beam off

← 3H

No beam
Colleg. then

Tritium Run List

Run number	Date	Start time	End time	Target	N. of ev	Decoded?	HRS OK?	Purpose/Comments
91882	4/4	19:37	20:40	Deuterium	102K	✓	✓	22 mA Kin 16
91883	4/4	20:41	21:44	D2	87.7K	✓	✓	— — — —
91884	4/4	21:44	23:00	D2	94K	✓	✓	22 mA Kin 16 (10 min low current)
91885	4/4	23:02	23:13	3He	99K	X	X	beam strip end quickly
91886	4/5	03:11	04:25	3He	101K	✓	✓	22 μA kin 16
91887	4/5	04:26	05:49	3He	89K	✓	✓	22 μA kin 16
91888	4/5	05:50	07:12	3He	80K	✓	✓	22 μA kin 16 last 15 min no stable beam)
91889								
91890	4/5	11:21	13:15	3He	92K	✓	✓	22 μA kin 16
91891	4/5	13:22	13:28	3H	4K	—	—	22.5 μA kin 16 (almost no beam)
91892	4/5	14:30	14:41	3H	25K	—	—	22.5 μA kin 16
91893	4/5	15:12	15:59	3H	67K			22.5 μA kin 16
91894	4/5	16:01	17:30	3H	137	✓	✓	kin 16
91895	4/5	17:36	18:51	D2	101	✓	✓	kin 16
91896	4/5	19:01	20:08	empty	82	✓	✓	kin 16
91897	4/5	20	20:57	dummy	96K	✓	✓	kin 16
91898	4/5	21:11	21:22	C12	10K	✓	✓	kin 16. Beam centering.
91899	4/5	21:25	22:10	Single foil	316K	✓	✓	kin 16, optics
91900	4/5	22:13	22:50	Optics	109K	✓	✓	kin 16, optics
91901	4/5	22:54	23:58	3He	84K	✓	✓	kin 16, pro

Tritium Run List

Run number	Date	Start time	End time	Target	N. of ev	Decoded?	HRS OK?	Purpose/Comments
91902	4/6	23:59	00:16 00:16	^3He		✓	✓	production run./short.
91903	4/6	00:17	1:44	^3He	111K	✓	✓	"
91904	4/6	1:45	3:00	^3He	953K	✓	✓	production run
91905	4/6	3:01	4:25	^3He	118K	✓	✓	production run.
91906	4/6	4:26	5:28	^3He	81	✓	✓	production (~50 minutes)
91907	4/6	7:05	8:03	^3He	65K	✓	✓	production; stopped early due to separator down
91908	4/6	8:53	10:13	^3He	90K	✓	✓	kin16, 22.5uA.
91909	4/6	10:37	10:38	dummy	10K			BCM calib; stopped s/c NF trip
91910	4/6	10:40	10:44	dummy	53K			BCM calib
91911	4/6	10:48	11:02	dummy	171K			BCM calib; separator trip
91912	4/6							Jank
91913	4/6	11:58	12:51	dummy	649K			User calib
91914	4/6	12:52	13:43	dummy	661K			BCM calib; incomplete
91915	4/6	13:44	13:50	dummy	4476			Production; Jank
91916	4/6	14:43	15:52	Home	857K			User calib
91917	4/6	16:08	17:27	3H	120K	✓	✓	kin16 3H 22uA ^{PS4=PS5=PS6=1}
91918	4/6	17:31	18:58	3H	120K	✓	✓	kin16 3H 22uA
91919	4/6	18:59	20:17	3H	117K	✓	✓	kin16 3H 22uA
91920	4/6	20:19	21:45	3H	124K	✓	✓	kin16 3H 22uA
91921	4/6	21:46	23:09	3H	137K	✓	✓	kin16 3H 22uA

Tritium Run List

Run number	Date	Start time	End time	Target	N. of ev	Decoded?	HRS OK?	Purpose/Comments
91922	23/4 4/6	23:14	00:27	D	117K	✓	✓	Kin16 D 22 μ A ← D
91923	4/7 4/7	00:29	01:41	D	106K	✓	✓	Kin16 D 22 μ A
91924	4/7	01:43	02:51	D	111K	✓	✓	Kin16 D 22 μ A
91925	4/7	02:57	04:09	D	108K	✓	✓	Kin16 D 22 μ A
91926	4/7	04:14	05:21	3He	72K	✓	✓	Kin16 3He 22 μ A
91927	4/7	05:49	06:25	3He	47K	✓	✓	Kin16 3He 22 μ A
91928	4/7	06:26	07:38	3He	94K	✓	✓	Kin16 3He 22 μ A
91929	4/7	07:42	8:47	3He	87K	✓	✓	Kin16 3He 22 μ A
91930	4/7	8:59	10:00	3He	134K	✓	✓	kin16 22 μ A. (~1.5h beam)
91931	4/7	10:41	12:14	3He	110K	✓	✓	kin16 22 μ A.
91932	4/7	12:10	12:56	3He	63K	✓	✓	kin16 22 μ A.
91933	4/7	13:02	14:19	3H	121K	✓	✓	kin16 22 μ A.
91934	4/7	14:21	15:37	3H	122K	✓	✓	kin16 22 μ A.
91935	4/7	15:38	16:45	3H	105K	✓	✓	kin16 22 μ A.
91936	4/7	16:45	18:04	3H	125K	✓	✓	kin16 22 μ A
91937	4/7	18:07	18:46	3H	61K	✓	✓	kin16 22 μ A
91938	4/7	18:54	20:16	D	107K	✓	✓	kin16 22 μ A
91939	4/7	20:19	20:48	D	14K	✓	✓	kin16 22 μ A
91940	4/7	20:36	20:36	Bumny	189K	✓	✓	Production Kin16 22 μ A
91941	4/7	22:10	22:09	Carbon16	10K	✓	✓	check spot

Tritium Run List

Run number	Date	Start time	End time	Target	N. of ev	Decoded?	HRS OK?	Purpose/Comments
91942	4/7	22:14	22:43	carbon	201	✓	✓	Production kin 16 ^{PS8-000}
91943	4/7	22:47	23:17	optics	67K	✓	✓	Kin 16 PS8-0
91944	4/7	23:24	00:22	Deuterium	96K	✓	✓	Kin 16 production.
91945	4/8	00:24	01:32	D	106K	✓	✓	Kin 16 production
91946	4/8	01:36	02:38	D	98K	✓	✓	Kin 16 production
91947	4/8	02:39	03:56	D	118K	✓	✓	Kin 16 production.
91948	4/8	03:59	05:12	3H	115K	✓	✓	Kin 16 production
91949	4/8	05:14	06:29	3H	114K	✓	✓	Kin 16 production
91950	4/8	06:31	07:43	3H	106K	✓	✓	Kin 16 production
91951	4/8	7:48	9:08	3He	103K	✓	✓	Kin 16 production
91952	4/8	9:08	10:31	3He	108K	✓	✓	kin 16 22 mA.
91953	4/8	10:31	11:38	3He	96K	✓	✓	kin 16 22 mA
91954	4/8	11:39	12:32	3He	71K	✓	✓	kin 16 22 mA (~45 min).
91955	4/8	12:40	13:28	Dummy				BCM calibration.
91956	4/8	13:29	14:52	Dummy	209K	✓	✓	kin 16 22 mA production
91957	4/8	14:58	16:02	D2	111K	✓	✓	kin 16 22 mA production.
91958	Apr 8 th	16:08	17:14	D2	86K	✓	✓	kin 16 22 mA (30 min beam)
91959	Apr 8 th	17:15	18:10	D2	72K	✓	✓	kin 16 prod. (30 min beam)
91960	Apr 8 th	18:11	19:22	D2	104K	✓	✓	kin 16 prod
91961	Apr 8 th	19:28	21:11	D2	131K	✓	✓	kin 16 prod.

21:11

Tritium Run List

Run number	Date	Start time	End time	Target	N. of ev	Decoded?	HRS OK?	Purpose/Comments
91962	Apr 8 th	21:14	22:25	³ H	115k	✓	✓	Kin 16 prod ³ H
91963	Apr 8 th	22:25	23:30	³ H	112k	✓	✓	Kin 16 prod ³ H
91964	Apr 8 th	23:30	00:55	³ H		✓	✓	Kin 16 prod ³ H
91965	4/8	00:55	2:21	³ H	111k	✓	✓	Kin 16 production
91966	4/9	2:30	4:02	He3	110k	✓	✓	Kin 16 prod (some downtime in middle)
91967	4/9	4:03	5:19	He3	102k	✓	✓	Kin 16 prod
91968	4/9	5:20	6:53	He3	125k	✓	✓	kin 16 prod
91969	4/9	6:54	8:13	He3	102k	✓	✓	kin 16 prod
91970	4/9	8:14	8:31	He3	26k	✓	✓	Kin 16 prod \approx 15 minutes beam
91971	4/9	15:21		C-hole	65k	✓	✓	Cosmic waiting for pen
91972	4/9	20:21	21:14	³ He	71k	✓	✓	kin 16 prod.
91973	4/9	21:16	22:21	³ He	90k	✓	✓	kin 16 prod
91974	4/9	22:50	23:22	³ He				kin 16 prod Juelke (beam trips)
91975	4/9	23:22	00:35	³ He	98k			kin 16 prod
91976	4/10	00:36	01:42	³ He	73k			kin 16 prod (Ended early due to beam)
91977	4/10	02:09	02:22	³ He	15k			kin 16 prod
91978	4/10	2:37	03:59	H3	120k	✓	✓	kin 16 prod
91979	4/10	04:20	05:11	³ H	91k	✓	✓	kin 16 prod
91980	4/10	05:15	06:44	³ He	114k	✓	✓	kin 16 production
91981	4/10	06:45	8:02	³ He	93k	✓	✓	kin 16 production

Tritium Run List

Run number	Date	Start time	End time	Target	N. of ev	Decoded?	HRS OK?	Purpose/Comments
91982	7/10	12:31	15:30	Home	105K	✓	✓	cosmics
91983	4/10	15:37	15:40	C-hole				Junk.
91984	4/10	15:41	16:04	C-hole	211K			carbon hole checks
91985	4/10	16:04	16:33	C-foil				carbon foil
91986	4/10	16:44	17:40	^3H	72K	✓	✓	tritium
91987	7/10	17:45	18:10	^3H	16K	—	—	
91988	4/10	18:32	19:50	^3H	126K			
91989								bad
91990	4/10	22:35	23:45	^3H	110K	—	—	
91991	4/10	23:50	01:09	^3He	90K	✓	✓	
91992	4/11	01:10	02:53	^3He	70K	✓	✓	bad, spotty beam
91993	4/11	02:57	04:24	^3He	94K	✓	✓	
91994	4/11	04:24	05:08	^3He	53K	✓	✓	
91995	4/11	05:31	05:55	^3He	29K	✓	✓	
91996	4/11	06:24	06:28	^3He	2K			junk
91997	4/11	8:27	10:01	^3He	118K	✓	✓	kinib production.
91998	4/11	10:04	10:43	^3He	56K	✓	✓	kinib production.
91999	4/11	10:47	11:14	D2	47K	✓	✓	kinib production.
92000	4/11	11:26	12:55	D2	131K.	✓	✓	kinib production
92001	4/11	13:01	13:39	Dummy	113K	✓	✓	kinib production

