

15:30

* FFB → Fast Feed Back commissioning
next → current scan carbon (1%)

16:00 Get 65 μ A current

[Paring DAP]

Time	Run #	Comment
16:08	3099	current scan carbon (1%) current 65 μ A
17:03	3099	PETA scan carbon (1%), 65 μ A Feedback on
17:24	3100	IA scan (Intensity Attenuation) Same target, 65 μ A.
17:31		Target changed DI = R5-25
17:41	3101	So current scan, 65 μ A, Natural Pb (current calibration), FFB on (FFB 'DAP saturation') → Bad run.
18:12	3102	Not a current scan No scan. Just running (PETA) Half a current run with <u>NO</u> FFB.
18:32		Target sent Home. Had to 'Clear Record' as it appeared to have got stuck on the way. (And update position)

①

Run Number	Date	Start Time	End Time	Target	Plots OK?	Purpose/Comments
	7/8/19					
3103	/	19:42	20:20	—		Tune, No Target
3104	/	20:21	20:24	DS-DB-DS		(current scan, NO FFB, 50 μ A BPM saturation! →
3105	/	20:24	20:42	DS-DB-DS		(current scan, NO FFB, 50 μ A (BPM calibration)
3106	/	20:43	20:55	"		Detector calibration, NO FFB, shut 50 μ A
3107	/	20:55	21:08	"		PSTA scan on DB, 50 μ A, NO FFB (Incomplete)
3108	/	21:10	21:19	"		PSTA scan, 50 μ A, NO FFB (2nd part)
3109	/	21:20	21:29	"		FA scan on DB, FFB off, 50 μ A (Partial → will be taken by Amelia later)
3110	/	21:53		"		BMW test, 50 μ A, FFB off, tune- saw ion chamber looking good during tune modulation.

Run Number	Date	Start Time	End Time	Target	Plots OK?	Purpose/Comments
3111	7/8/19	22:01	22:03	DI-DB-DS		5µA, 3µA Test, CW (Shipped, during run we were told we couldn't have CW)
3112	/	22:05	22:43	"		Intentionally turn beam for DAQ testing (Tunk), 5µA, BMW, FFB off
3113	/	⁴⁹ 23:51	23:10	"		(Cameron nesses was around with ⁴⁹ downing YM waiting for BMW high current test <u>NO beam</u>)
3114	/	23:10	23:26	"		5µA, CW, BMW test run, <u>NO</u> FFB state , waiting beam
3115	/	23:26	23:51	"		50µA, BMW, NO FFB, AQ FFB ON (Charge Feed back ON) (<u>NOT</u> Tunk)
3116	/	23:52	00:06	"		50µA, BMW Settings 2, AQ FFB ON, FFB off.
3117	7/9/19	00:07	00:35	Carbon ^{1%}		65 µA, AQ FFB on, BMW Setting 2

Run Number	Date	Start Time	End Time	Target	Plots OK?	Purpose/Comments
3118	"	00:36	01:25	Home		beam off
3119	07/09	01:26	02:40	Home		beam off
3120	"	02:41	03:39	Home		beam off
3121	"	03:40	04:42	Home		no beam
3122	"	04:43	05:42	Home		no beam
3123	"	05:43	06:40	Home		no beam
3124	"	06:41	07:37	Home		no beam
3125	"	07:38	08:36	Home		no beam
3126	07/09/19	08:37	09:41	Home		skate down 1st, then no beam.
3127	"	09:42	11:04	Home		No beam, FFA off, no target, RUSH ON
3128	"	11:05	11:30	"		" " "
1804	"	11:31	11:52	"		test run (Scintillators were lined up)
20934	"	11:32	11:52	"		test run. (" " ")
1805	"	13:44	13:48	Carbon 1%		Spot 11, Carbon 1%, 30mA, RUSH ON.
20935	"	13:44	13:48	"		" " "
1806	"	13:52	13:54			Spot 11, ^{Spot 11} 30mA, Spot 11 , 6.6 x 10.8 RUSH ON
20936	"	13:52	13:54			(Carbon 1%)
						Hitting the frame

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right

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right

Run Number	Date	Start Time	End Time	Target	Plots OK?	Purpose/Comments
1807	7/9/14	14:05	14:07	Carbon 1%	}	30nA 1% Carbon, Reson: 4.4 x 7.2
20937	"	14:05	14:07	"		Spot ++ L-PSI = 10, R-PSI = 10
1808	"	14:08	14:12	"	}	Same as above, except = 5 L-PSI = 50, R-PSI = 10
20938	"	14:08	14:12	"		WDCs were OFF!! for all above
1809	"	19:49	19:51	Carbon Hole		Spot check. (Spot ++)
20939	"	19:49	19:51	Carbon Hole		1uA.
1810	"	20:06	20:09	"		20nA.
20940	"	20:06	20:09	"		20nA.
1811	"	21:15	21:16	Carbon 1%		Spot ++ PSI = 1, 20 nA. VPC off
20941	"	21:15	21:16	"		PSI = 1, VPC off.
1812	"	21:24	21:33	"		Detector width study: misalignment study & VPC
20942	"	21:24	21:33	"		PSI = 70 20nA (grain on) Detector on
1813	"	21:34	21:48	"		PSI = 40, 20nA (" " & VPC on
20943	"	21:34	21:48	"		Detector width study. PSI = 20 All detect
						PSI = 20.
						"

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Run Number	Date	Start Time	End Time	Target	Plots OK?	Purpose/Comments
1814	7/9/19	21:59	22:11	Carbon 17.		Pedestal study. beam off, $PSB = 100$
20944	7/9/19	21:59	22:11	"		Pedestal study. " $PSB = 1$
1815	"	22:13	22:25	"		^{mis} alignment study, 201A, $PS2 = 10$
20945	"	22:13	22:25	"		" 201A, $PS2 = 20$
1816	"	22:		"		(Sunx) " beam started mistakenly. $PS2 = PS2 = 30$
20946	"	22:		"		(Sunx) " " $PS2 = 25$
1817	"	22:30	22:45	"		" 201A, $PS3 = 25$ beam tripped
20947	"	22:30	22:45	"		" 201A, $PS3 = 30$
1818	"	23:05	23:12	"		misalignment study, 201A, $PS3 = 1$ SoA HV off
20948	"	23:05	23:12	"		" " " " SoA HV off
1819	"	23:14	23:22	"		" , SoA HV turned on $PS6 = 1$
20949	"	23:14	23:22	"		" " " $PS6 = 1$
1820	"	23:23:52				" " $PS4 = 1$
20950	"	23:23:51				" " $PS4 = 1$

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Run Number	Date	Start Time	End Time	Target	Plots OK?	Purpose/Comments
1821		23:30	23:37	Carbon 1%		misalignment study, 201A, PS5=1
20951		23:30	23:37	"		"
1						
1823	7/10/19	00:23	00:32	DI-Pb-DJ		Detector alignment run PS1=1
20953	"	00:26	00:32	"		" PS1=1
1824	"	00:31	00:40	"		" PS2=1
20954	"	00:33	00:40	"		" PS2=1
1825	"	00:40	00:47	"		" PS3=1
20955	"	00:42	00:47	"		" PS3=1
1826	"	00:47	00:57	"		SOA turned off (Both arms) Alignment run PS3=1
20956	"	00:49	00:57	"		" PS3=1
1827	"	00:55	1:03	"		" PS4=1
20957	"	00:58	1:03	"		" PS4=1
1828	"	1:07	1:10	"		" PS5=1
20958	"	1:09	1:10	"		" PS5=1
						SOA turned on (Both arms)

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right

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right

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right

7

Run Number	Date	Start Time	End Time	Target	Plots OK?	Purpose/Comments
1829	2/10/19	1:11	1:46	DI-Plb-D3		Beam trip during run
20959	"	1:13	1:48	"		"
1830	"	1:47	1:51	"		GEM Detector Run, (CDAT Trigger Rate ~0) PS1 = 50
20960	"	1:49	1:51	"		" PS1 = 50
1831	"	1:57	2:03	"		PS2 = 1
20961	"	1:58	2:03	"		PS2 = 1
1832	"	2:11	2:14	"		Beam off (10 min) (Junk) PS2 = 1
1833	"	2:28	2:44	"		Alignment PS2 = 1
20962	"	2:28	2:42	"		" PS2 = 1
1834	"	2:43	2:56	"		"
20963	"	2:43	2:56	"		"
1835	"	2:57	3:00	"		"
20964	"	2:59	3:08	"		"
20965	"	3:10	3:15	"		"
1836	"	3:12	3:17	"		"

1829

1831

1833

1836

(8)

Run Number	Date	Start Time	End Time	Target	Plots OK?	Purpose/Comments
20966	7/10/19	3:17	3:18	DI-Pb-D5		Alignment PS1=1
1837	7/10/19	3:15	3:19	"		Alignment PS1=1
20967	"	3:19	3:21	"		PS1=1
1838	"	3:22	3:22	"		"
20968	"	3:22	3:24	"		"
1839	"	3:21	3:25	"		"
20969	"	3:24	3:27	"		"
1840	"	3:25	3:29	"		ISU GEN HV = -3.95KV
20970	"	3:28	3:29	"		"
1841	"	3:30	3:32	"		"
20971	"	3:31	3:32	"		"
1842	"	3:33	3:34	"		"
20972	"	3:33	3:34	"		"
1843	"	3:35	3:42	"		ISU GEN HV = -3.90KV
20973	"	"	"	"	"	"

2:14
12th
2:14

(9)

Run Number	Date	Start Time	End Time	Target	Plots OK?	Purpose/Comments
18474	7/10/19	3:43	3:44	DI-P6-DJ		ISUGGM HV = -3.90 kV ISU GEM HV = -3.95 kV (PS1 = 1)
20973	"	3:44	3:45	"		" " " "
18481	"	3:45	3:47	"		" " " "
20974	"	3:46	3:48	"		" " " "
1846	"	3:54	4:00	"		L move away from beamline 1.00 cm 2.00 cm
20975	"	3:56	4:12?	"		R move away from beamline 2.00 cm 1.00 cm
1847	"	4:13	4:21	"		L move away from beamline 2.25 cm
20976	"	4:16	4:18	"		R move away from beamline to origin
1848	"	4:30	4:37	"		L move away from beamline 2.40 cm
20977	"	4:38	4:40	"		PS2 = 1
1849	"	4:41	4:48	"		PS2 = 1
1850	"	4:49?	4:59	"		L X moved toward target -0.8 cm
20978	"	4:56	4:57	"		R X moved toward target -0.6 cm
1851	"	5:00?	5:09	"		PS1 = 1
20979	"	4:58	5:00	"		" "

10/10/19

10/10/19

10/10/19

Run Number	Date	Start Time	End Time	Target	Plots OK?	Purpose/Comments
1852	7/10/19	5:10?	5:36	DI-P6-D5		No beam at end of run PS1=1
20980	"	5:30	5:34	"		"
1853	"	5:47 5:35	5:47	"		"
20981	"	5:42	5:45	"		"
20982	"	5:45	5:47	"		PS2=1
1854	"	5:48	5:53	"		"
20983	"	5:54	6:03	"		PS1=1
1855	"	—	—	"		(Bad Run)
1856	"	5:53?	6:06	"		No Beam PS1=1
20984	"	6:04	6:05	"		No Beam Not really PS1=1
3129	"	7:31	7:32	Home		Parity Run 50pA 50pA raster size 50x72
3130	"	7:47	7:59	DI-P6-D5		Beam Modulation 50pA " LHRs at Readback = 0
3131	"	8:04	8:11	DI-P6-D5		High Voltage Scan 50 uA
3132	"	8:12	8:22	DI-P6-D5		Data Taking
3133	"	8:27	8:52	"		Data Taking Beam Modulation 50uA
1857/20985	"	8:54	8:58	"		spot ++ 20uA/rmp nominal raster
1858/20986	"	9:07	9:09	DA-208P62-DB		spot ++ 20uA/rmp nominal raster
1859/20987	"	9:12	9:14	DA-208P62-DB		spot ++ 20uA/rmp 12x12 raster
1860/20988	"	9:20	9:21	"		spot ++ 20uA/rmp 12x10 raster
1961/20989	"	9:32	9:34	"		spot ++ 20uA/rmp 12x10 raster moved
1862/20990	"	9:37	9:39	"		spot ++ 20uA/rmp 12x10 raster X-pts moved to 5mm to 3mm

Beam-shut
off mid
run

Run Number	Date	Start Time	End Time	Target	Plots OK?	Purpose/Comments
L/R 1863/20991	7/10/19	9:42	9:45	DA-208P62-DB		spot ++ 20 nAmp 12x10 vaster x-pos = -1.1 mm
1864/20992	11	9:45	9:47	11		spot ++ 20 nAmp 12x10 vaster x-pos = -3 mm
1864/20992	"	9:45	9:47	11		spot ++ 20 nAmp 12x10 vaster x-pos = -3 mm
1866/20993	11	9:51	9:52	11		spot ++ 20 nAmp 12x10 vaster x-pos = -5 mm
1867/20994	11	9:57	9:59	11		spot ++ 20 nAmp 20x20 vaster x-pos = 0 mm
1868/20995	11	10:11	10:12	Carbon Hole		spot ++ 20 nAmp 20x20 vaster x-pos = 0 mm
1869/20996	11	10:16	10:17	Carbon Hole		spot ++ 20 nAmp 5x7.2 vaster
1870/20997	11	10:20	10:21	11		spot ++ 20 nAmp 10x10 vaster
1871/20998	11	10:23	10:24	11		spot ++ 20 nAmp 10x10 vaster x-pos = 4 mm
1872/20999	11	10:29	10:30	11		spot ++ 20 nAmp 20x20 vaster x-pos = 4 mm
1873/21000	11	10:36	10:37	DA-208P62-DB		spot ++ 20 nAmp 20x20 vaster x-pos = 4 mm
1874/21001	11	10:48	10:50	D9-208P62-D10		spot ++ 20 nAmp 20x20 vaster x-pos = 4 mm
3134	11	10:34		D9-208P62-D10		20 nAmp calibration check blinding.
1875/21002	11	11:01	11:03	11		20 nAmp 5x7.2 vaster non pos
1876/21003	11	11:08	11:10	11		0.5 nAmp 5x7.2 vaster non pos
1876/21003	11	11:19	11:20	11		20 nAmp 7.2x5 vaster x-pos
1877/21004	11	11:29	11:29	11		20 nAmp 7.2x5 vaster
1878/21005	11	11:34	11:36	11		20 nAmp 15x5 vaster
1879/21006	11	11:38	11:39	11		20 nAmp 10x10 vaster
1880/21007	11	11:46	11:47	11		20 nAmp 10x10 vaster target x-pos moved 12 mm
1881/21008	11	11:55	11:56	11		20 nAmp 10x10 vaster target moved 24 mm other 24 mm

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Run Number	Date	Start Time	End Time	Target	Plots OK?	Purpose/Comments
3135	7/10/19	12:02	12:18	DA-208P62-DB		checking target and SAM High Voltage Cal.
3136	7/10/19	12:19	12:24	DA-208P62-DB		SAM High Voltage Calibration
3137	7/10/19	12:25	12:30	"		SAM High Voltage Calibration
3138	"	12:31	12:49	"		Current Scan ←
3139	"	12:50	12:53	"		Production BMW, A/C Feedback, No FFB
3140	"	12:53	1:40	"		Production BMW, A/C Feedback, No FFB
3141	"	1:41	1:58	"		MCC Testing FFB
3142	"	3:36		"		Feedback test no beam
3143	"	4:22	4:25	"		"
3144	"	16:35	17:40	"		"
3145	07/11/19	02:41	03:01	Home		Junk
1882	"	03:06	03:12	Carbon Hole		Carbon Hole spot++ test 1uA T1-T2 on
21009	"	03:08	03:09	Carbon H		"
1883	"	03:11	03:14	"		" T2
21010	"	03:13	03:14	"		" T1
1884	"	03:35	03:36	DA-208P62-DB		Spot check 20 nA DA-208P62-DB T2
21011	"	03:34	03:37	"		20 nA DA-208P62-DB T1
1885	"	"	"	"	"	DA
3146	"	03:45	4:44	"		Production, beam tripp beam w/
3147	"	04:44	06:05	Home		Restoring beam, beam Resistor study
3148	"	06:06	06:07	Home		

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1883

1884

1885

Run Number	Date	Start Time	End Time	Target	Plots OK?	Purpose/Comments
1885	11/19	6:52	6:53	Carbon hole		Carbon hole spot test
21012	"	6:52	6:53	"		"
21013	"	7:06	7:07	Da-Dio		Spot check
1886	"	7:06	7:07	"		"
1887	"	7:11	7:12	"		RASTER 10x14
21014	"	7:11	7:12	"		"
1888	"	7:27	7:28	DI-AB-DZ		"
21015	"	"	"	"		"
1889	"	7:37	7:38	C-Pb-C		"
21016	"	"	"	"		Cannot Run Spot test
1890	"			Halo		"
21017	"			"		"
21017	"			C-Pb-C		"
1891	"	08:16	08:19	DE-Pb23-D	}	Spot test, 10x14
21018	"	08:16	08:19	"		21019 considered as 21018 cannot be opened
21019	"	08:33	08:37	"	}	RASTER: 20x10, Spot test, 20x10
21020	"	08:33	08:37	"		"
21021	"	08:42		"		"
1893	"	08:46	08:57	"		"
1894	"	08:54	08:55	"		RASTER: H:30, W:20
21022	"	08:54	08:58	"		"

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1898

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14

Run Number	Date	Start Time	End Time	Target	Plots OK?	Purpose/Comments
1895	7/11/14	09:03	09:05	23 23-DB		Reason: HE 30, W=10, 200A
21023	"	09:03	09:05	"		
1896	"	09:18	09:16	"		Pos lock off, Reason: 4:30, W: 20
21024	"	09:16	09:16	"		
1897	"	09:28	09:27	"		Pos lock off, Reason: 5x7
21025	"	09:28	09:27	"		
1898	"	13:16	13:17	HOMR		PS1=1, PS2=1, Cosmic Ray, SPOT 7
21026	"	13:16	13:17	HOMR		PS1=1, PS2=1 "
1899	"	13:19	13:21	"		1, 2, 3, 4, 5, 6 = 1 "
21027	"	13:19	13:21	"		1, 2, 3, 4, 5, 6 = 1 "
1900	"	13:26	13:38	"		PS2=1, PS3=10, OBS=0, VDC:00
21028	"	13:26	13:38	"		PS1=PS2=1, PS3=4 "
3149	"	13:41	13:52	"		Parity test
3150	"	17:03	17:07	"		Feedback test no beam
3151	"	18:29	19:33	"		Feedback test no beam
3152	"	19:35	19:47	"		Feedback test no beam
3153	"	20:06	20:49	"		"
3154	"	20:53	20:53	"		test coda
3155	"	21:05	21:06	"		test coda, JUNK
3156	"	21:10	21:51	"		test coda
3157	"					test feedback
3158	"					test feedback coda not working did & coda

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Run Number	Date	Start Time	End Time	Target	Plots OK?	Purpose/Comments
3159	"	12:37		"		feedback test
3169						code crashed?
3208	"	20:02	20:53	"		code lost
3209	"	20:53				code not working, did koda
3210	"					not working
3211	"					now working
3212	"	21:24				working, crashed when stepping code, did koda
3213	"	22:15	23:25			test feedback, killed code at no end
3214	"	23:25	00:40	"		code run, no beam
3215	06/13	00:40	00:45	"		junk (Event Rate is low (0-1) close koda)
3216	06/13	00:48	01:52	"		junk
3217	"	01:53	01:53	"		junk, error occurred
3218	"	01:55	03:20	"		junk
3219	"	03:21	04:25	"		"
3220	"	04:26	05:28	"		"
3221	"	05:25	06:48	"		"
3222	"	06:47	07:46	"		"
3223	"	07:45		"		"

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Run Number	Date	Start Time	End Time	Target	Plots OK?	Purpose/Comments
3234						Fail, restart, works
3235-38						test
3239						Change CRL to add debug output
3240						Rebooted CODA
3241						2nd Run after Reboot
3242						3rd, unplugged VQWk Gate from H-19
3243						Now reduce GMV by 500 μ s test, works
3245	7/13/2019			Home		BAB debugging run
3246	"			"		"
3246	"			"		"
3247	"			"		"
3248-3255	"			"		"
3256	"			"		Failed
3257	"			"		BAB debugging run (Looking at VBSW data) ^{extra}
3258	"			"		Found bug in the new CRL... fix it next run (em)
3259	"			"		Changed the CRL again to fix the extra data problem.
3260	"			"		Front test.
3261	"			"		Changed CRL to reasonable VBSW rate at the start of the 1st
3262	"			"		Test
3263	"			"		Test
3264	"			"		Another test

Failed work
3243

1.12, work
, OK

Run Number	Date	Start Time	End Time	Target	Plots OK?	Purpose/Comments
3265	7/13/2010			Home		^{Test} R0225/26 have one interrupt; CH/INS have zero.
3266	"			"		Unplugged the "branch3" cable from the TS. (TEST)
3267	"			"		Test; HAS crates have an extra trigger.
3268-3271	"			"		Test.
3272	"			"		Test, R0225/26 had a single ext; other had zero.
3273	"			"		Test, R0225/26 had an extra ext.
3274	"			"		Test, CoDA2 communication error.
3275	"			"		Test, Everything looks good.
3276	"			"		Test
3277	"			"		Test, no data anywhere.
3278	"			"		Test, everything looks good.
3279	"			"		Test (disconnected components from HAS crates)
3280	"			"		Test (after reconnecting the components in HAS crates).
3281	"			"		Test (R0223/R0226 timed out after EV#3; R0225 after EV#2)
3282	"			"		Test
3283	"			"		Test (disconnected) R0227/R0226 timed out after EV#3; R0223/R0225 after EV#2
3284	"			"		Test (after all ACS rebooted): good
3285	"			"		Test (R0225/26 had a single interrupt; CH/INS had no interrupt)
3286	"			"		Test
21035	"			Carbon hole		SP1++, PS1=1
21035	"			Carbon hole		SP1++, PS1=1

Run Number	Date	Start Time	End Time	Target	Plots OK?	Purpose/Comments
3287	7/13/2019	20:30:06	21:12:28	Carbon hole		Test.
1911	"			"		Spot ff, PS2=1
21031	"			"		Spot ff, PS2=1
1912	"			"		" , PS1=1
21037				"		" , PS1=1
1913	"			"		" , PS2=1
21038	"			"		" , PS2=1
3288	"			DA-P3-DB		Production (Junk)
3289	"	21:27:52	22:11:59	"	✓	Production, sync.
3290	"	22:13:11	22:13:22	"	✓	Production, sync.
3291	"	22:45:16	23:24:11	"	✓	"
3292	"	23:24:50	23:31:37	"	✓	"
3293	"	23:43:42	23:44	"	✓	Junk (Event mismatch)
3294	"	23:47:44		"	✓	Junk
3295						Junk
3296						Junk
3297						Junk
3298						Junk → FFB off
3299	7/14/2019	01:18:55		home		Test BMW (BMW not running from beginning)
1914	7/14/2019	01:59:00		Carbon hole		Target home started after 2500 events
21039						PS1=1, Spot wheel rt, 8x7.2
						PS1=1, Spot wheel rt, 8x7.2

✓
✓

Run Number	Date	Start Time	End Time	Target	Plots OK?	Purpose/Comments
1915				"		" " 8.5 x 7.2
21040				"		" " 8.5 x 7.2
1914						Junk
1917						" " 9 x 7.2
21041						
3300				Hune		Junk
3301		3:20		Hone		Junk
3302						Junk
3303		3:55		Hone		Test BMW FFB ON Target home
3304				Da-P62-Db		Junk
3305		4:14		Da-P62-Db	✓	Junk → actual plots Production, FFB ON, AqFB on, BMW on
3306				"		Junk
3307		4:39		Da-P62-Db		Junk
3308		4:46	5:10	Da-P62-Db		Production, FFB ON, AqFB on, BMW on
3309						Junk
3310		5:14		Da-P62-Db		Coda disconnected Production, FFB ON, AqFB on, BMW on
3311		5:34		Da-P62-Db		Production, FFB ON, AqFB on, BMW on
3312		5:49		Da-P62-Db		"
3313				Da-P62-Db		Coda disconnected Problem
3314		6:07		Da-P62-Db		Production, FFB ON, AqFB on, BMW on
3315						Coda disconnected. Problem

Run Number	Date	Start Time	End Time	Target	Plots OK?	Purpose/Comments
3316	07-14-19	6:29				BWN OFF - Aq Feedback off
3317	"					- FFB Off, BMW off, Aq off - Junk
3318	"	6:53		Da-262-D6		FFB off, BMW off, Production, Aq off
3319	"			"		on
3320	"	8:23		"		"
3321	"	9:25	10:30	"		"
3322	"	10:31	11:28	DA-208-B-AS		Production
3323	"	11:29	11:37	"		" (stopped accidently)
3324	"	11:39	12:39	"		" beam was off around 12:00 pm (beam tripped during this run) → only 20 mins of beam available during this run!
3325	"	12:41	12:55:08	"		most of the time 5uA beam - or none.
3326	"	13:00:59	13:16:02	"		Production (most of the time - 5uA beam) is energy
3327	"	13:18:15		"	✓	reconnection of Halle & M. (Error on Aq feedback)
3328	"	13:51:06	14:03:29	"	✓	production @ 50uA beam, disconnected after 23 k-eVts.
3329	"	15:33:54	15:42:12	"		Test run after fixing for 23, no beam
3330	"	15:56:10	15:58	"		Test run, no beam
3331	"	15:58:56	16:01	"		" "
3332	"	16:01:04	16:03	"		" "
3333	"	16:03	16:04	"		" "
3334	"	16:04	16:06	"		" "
3335	"			"		" "

empt. 6h
didn't work

Run Number	Date	Start Time	End Time	Target	Plots OK?	Purpose/Comments
3340	7/14/2010			DA-208P2-DB		Test
3341	"	16:10:20	16:27:30	"		"
3342	"	16:27:53		"		production (1st good run after hall access and TS swap)
3343	7/14/19	17:26:56	17:36	DA-208P2-DB		Production
3344	7/14/19	17:40:08	18:03:55	"		Production
3345	7/14/19	18:17	18:19	"		Turnk 12:18 changed to Flip:THWP in
3346	7/14/19	18:19	18:29	"		Production The hall cBPM 3H4C was plugged into VAWK 3A
3347	7/14/19	18:29	19:29	"		Production
3348	7/14/19	19:30	20:23	"		Production
3349	7/14/19	20:24	20:36	"		Hall C:IA Scan
3350	7/14/19	20:36	21:37	"		Production Modulation was turned off during run
3351	7/14/19	21:38	22:38	"		Production
3352	7/14/19	22:39	23:20	"		Production
3353	7/14/19	23:21	0:17	"		Production, Beam Down most of run
3354	"	0:18	0:38	"		Production, FFB on for some of run
3355	"	0:40	1:35	"		Production, FFB Off
3356	"	1:36	2:32	"		Production
3357	"	2:32	3:28	"		Production
3358	"	3:29	4:26	"		Production
3359	"	4:27	5:21	"		Production, No beam at Start
3360	"	5:22	6:08	"		Production, No beam at Start

around
21:00

Notice issue with Analogs Upstream BCM Asym STD is huge 22

Run Number	Date	Start Time	End Time	Target	Plots OK?	Purpose/Comments
3361	7/15/19	6:10	6:19	DA-208962-DB		Production, FFB Off, No beam
3362	"	6:20	6:31	"		Production, FFB Off, mainly Tune Beam
3363	"	6:31	6:47	"		Production, FFB Off, stopped early BCM
3364	"	6:47	8:32	"		Production, FFB Off
3365	"	7:39	8:20	"		Production, FFB Off, New BCM Cable
3366	"	8:21	8:24			Production. FFB Off
3367	"	8:29	8:40			Production. FFB commissioning BMW off - → MCC thinks FFB works
3368		8:39	09:23			Production FFB. Ag.FB. BMW on
3369		9:23	10:01			Production. FFB. Ag.FB. BMW on.
3370		10:06				Production. FFB. Ag.FB - BMW swap. BCM BCM. An. US.
3373	7/16/19	6:18		none		FFB test, tune beam
3374	"			"		FFB test 50 MA CM
3375	"			"		"
3376	"			"		"
3377	"			"		"
3378	"			"		" moved target
3379	"	7:20		DA-208962-DB		--- JUNK
3380	"	7:23		"		LA test
3381	"	7:47		"		Production FFB off → Check Prompt
3382	"	9:00:58		"		Production FFB off Q3 current malfunctioning

Run Number	Date	Start Time	End Time	Target	FFB on?	AqFB	BMW	Synch	ended property?	production?	Comments
3383	7.16	9:17	10:16	DA-708P62-DB	✓	✓	✓	✓	✓	Test	
3384	..	10:22	11:21	Home	X	X	X	✓	✓	Test	No beam
3385	..	11:22	12:18	Home	X	X	X	✓	✓	Test	No beam
3386	..	12:19	13:09	Home	X	X	X	✓	✓	Test	No beam
3387	..	13:10	14:08	Home	X	X	X	✓	✓	Test	No beam / Coda crashes.
3388	..	15:22	15:26	Home	X	X	X	✓	✓	Test	No beam / Taking over. PDU from RHRS.
3389	..	15:39	16:17	Home	X	X	X	✓	✓	Test	No beam continue last run (pedestal run)
3395	7.14	23:10	23:55	Home	No	No	No	✓	✓	Test	No Beam / Ramping during current calibration
3396	7.16	23:56	12:13	Home	No	No	No	✓	✓	Calibration	Ramping / BCM Calibration
3397	7.17	00:14		Home	No	No	No	✓	✓		Test
3398	..	00:29	00:40	PH208	YES	YES	YES	✓	✓	YES	BPM Old first 10 min RF on
3399	..			PH208	NO	YES	YES	✓	✓	YES	
3400	..	1:42:49	2:42:43	PH208	NO	YES	YES	✓	✓	yes	
3401	..	2:59		PH208	11	11	11	11	1	426	
3402					11	11	11			425	
3403					11	11	11			425	
3404					11	11	11			425	
3405					11	11	11			425	
3406	..	7:10	8:07	PH-708P62-DB	X	✓	✓	✓	✓	✓	
3407	..	8:11								Test	
3408	..									Junk	

crashed ROC disconnect

Run Number	Date	Start Time	End Time	Target	FFB on?	AqFB	BMW	Sync	ended properly?	production?	Comments
3409	7.17			DA-208P2-DB-X	X	X	X	✓		Junk	
3410	7.17	10:36			X	X	X	✓		Junk	
3411	--			--	X	X	X	✓		Junk	Coda crash.
3412	--	12:36			X	✓	X	✓		Junk	
3413		13:19			X	✓	X	✓		Junk	
3414		14:07								Junk	Coda errors for about 14s.
3415										Junk	AqFB doesn't work
3419	7/17	11:43		208P2-DB	X	X	✓	✓		✓	production at 50mA
3420	7/17	11:57	11:29	208P2-DB	X	✓	✓	✓		✓	production at 50mA
3421	7/17	18:48	19:32	208P2-DB	X	✓	✓	✓		✓	*turning on CodaFB (3420)
3422	7/17	19:35		208P2-DB	X	✓	✓	✓		✓	AqFB & CodaFB on, 50mA
3423	7/17			208P2-DB	X	✓	✓	✓		✓	→ Dig 3cm QS Phased into Moller VEF
3424	7/17			208P2-DB	X	✓	✓	✓		✓	AqFB & CodaFB on, 50mA
3425	7/17	21:52		208P2-DB	X	✓	✓	✓		✓	production ramping 50 → 70mA
3426	7/17	22:52	23:05			✓	✓	✓		✓	production at 70mA
3427	7/17	23:06				✓	✓	✓		✓	PF DAC OFF PRODUCTION AT 70mA
3428	7/17	23:27				✓	✓	✓		✓	Production of 70mA
3429	7/18					off	✓	✓		✓	Scan current, Coda crash
3430	7/18	00:27	00:43			off	✓	✓		✓	Current scan
3431	7/18					off	✓	✓		✓	
3432	7/18	01:01				off	✓	✓		✓	pita scan
3433	7/18	01:10				on	✓	✓		✓	
3434	7/18	01:16	02:03			on	✓	✓		✓	Production 50mA, AqFB on BMW

production at 50mA

Run Number	Date	Start Time	End Time	Target	FFB on?	AqFB	BMW	Sync	ended properly?	production?	Comments
3435		02:04	02:17	02:15-08:00	off	✓	✓	✓		Production	SopA AqFB - BMW on
3436		02:08	02:15	"	"	"	"	"		Production	" slow tree is not filled!
3437		02:22	02:32	"	"	"	"	"			" Problem solved. Crashed.
3438		03:27	04:35	"	"	"	"	"		production	" , everything back to normal for R0625
3439		04:36	05:33	208Pb	off	✓	✓	"		production	SopA
3440		05:33	06:32	"	"	"	"	"		"	"
3441		06:33	07:29	"	"	"	"	"		production	SopA
3442		07:29	08:04	"	"	✓	off	"		"	SopA
3443		8:25	8:45	"	off	off	off	"			Inspector Studies
3444		8:45	8:45	"	off	on	off	"			Inspector Studies
3445		9:52	9:52	"	"	"	"	"			Pos diff difference feedback BPM
3446		9:52	9:52	"	"	"	"	"			Position difference feedback ZFO2
3447		9:52	9:52	"	"	"	"	"			Pos diff feedback HWP out
3448				"	"	"	"	"			Hel mag pos
3449				"	"	"	"	"			Hel mag neg
3450				"	"	off	off	"			Production
3454	7/18	12:57	13:57	--	X	✓	✓	✓		✓	
3455		13:58	14:14		X	✓	✓	✓		✓	RHS Q2 Laser Current
3456		14:16	14:18							Junk	
3457		14:19	14:19							Junk	
3458		14:58								Test	Coda crash.

DAQ testing; ramping test (default)
→ full length integration scan
40 samples per block → failed

Run Number	Date	Start Time	End Time	Target	FFB on?	AqFB	BMW	Sync	ended properly?	production?	Comments
3499	7-20	03:53	04:23	208P62	NO	YES	YES		✓	✓	PRODUCTION
3500	"	04:27	05:01	"	"	"	"		✓	✓	"
3501	"	05:03	05:33	"	"	"	"		✓	✓	"
3502	"	05:34	06:02	"	"	"	"		✓	✓	"
3503	"	06:03	06:34	"	"	"	"		✓	✓	"
3504	"	06:35	07:06	"	"	"	"		✓	✓	"
3505	"	07:07	07:33	"	"	"	"		✓	✓	"
3506	"	07:34	07:50	"	"	"	"		✓	✓	"
3507	"	07:54		"	"	"	"		✓	✓	"
3508	7-20	08:16	08:46	--	X	✓	✓			Junk	
3509	"	08:47	09:29							Junk	
3510	"	09:30	10:16							Junk	
3511	"	10:17	10:50							Junk	
3512	"	10:51	10:26							Junk	
3513	"	10:26	10:59							Junk	
3514	"	10:59	12:43							Junk	
3515	"	12:44	13:20							Junk	
3516	"	13:21	13:53							Junk	
3517	"	13:54	14:27							Junk	
3518	"	15:14	15:43							Junk	
3519	"	15:43	15:43							Junk	
3520	"	15:43	16:00							Junk	
1948	7-20	18:10	18:12	C-Hole	OFF				Yes	spot L	Slog q begins, no beam
1949	7-20	18:29	18:29	C-Hole	OFF				"	spot L	Sunk
1950	7-20	18:35	18:36	C-Hole	OFF				"	spot L	
3523	7-20	18:51	19:15	208P62	OFF	OFF	OFF	OFF	"		Piba scan @ 60µs

Run Number	Date	Start Time	End Time	Target	FFB on?	AqFB	BMW	Sync	ended properly?	production?	Comments
3524	7/20	19:46	19:46	208P62	OFF	Yes	Yes	Yes	Yes	Yes	
3525	7/20	19:48	20:19	"	"	"	"	"	"	"	
3526	7/20	20:22	20:55	"	"	"	"	"	"	"	
3527	7/20	20:57	21:27	"	"	"	"	"	"	"	
3528	7/20	21:31	22:01	"	"	"	"	"	"	"	
3529	7/20	22:04	22:35	"	"	"	"	"	"	"	
3530	7/20	22:38	23:09	"	"	"	"	"	"	"	
3531	7/20	23:12	23:42	"	"	"	"	"	"	"	
3532	7/20	23:49	00:19	"	"	"	"	"	"	"	FFB ON, FFDAC OFF
3533	7/21	00:21	00:51	"	"	"	"	"	"	"	
3534	"	00:53	01:23	"	"	"	"	"	"	"	
3535	"	01:26	01:56	"	"	"	"	"	"	"	
3536	"	01:58	02:28	"	"	"	"	"	"	"	
3537	"	02:30	03:00	"	"	"	"	"	"	"	
3538	"	03:03	03:33	"	"	"	"	"	"	"	
3539	"	03:35	04:05	"	"	"	"	"	"	"	
3540	"	04:07	04:37	"	"	"	"	"	"	"	
3541	"	04:39	05:09	"	"	"	"	"	"	"	
3542											CODA CRASHED
3543	"	05:22	05:52	"	"	"	"	"	"	"	
3544	"	05:55	06:00	"	"	"	"	"	"	JUNK	BPM 12 & BPM 16 SATURATED
3545	"	06:18	06:48	"	"	"	"	"	"	"	GAIN SEARCH + PRODUCTION, BMW OFF
3546	"	06:54	07:24	"	"	"	"	"	"	"	
3547	"	07:27	07:57	"	"	"	"	"	"	"	
3548	"	07:59	8:29	"	"	"	"	"	"	"	
3549	"	08:32	9:02	"	"	"	"	"	"	"	

Run Number	Date	Start Time	End Time	Target	FFB on?	AqFB	BMW	Sync	ended properly?	production?	Comments
3550	7/20	9:05	9:35	208962	OFF	Yes/on	Yes/on	Yes	Yes	Yes	
3551	"	9:37	10:07	"	"	"	"	"	"	"	
3552	"	10:09	10:39	"	"	"	"	"	"	"	
3553	"	10:42	11:04	"	"	"	"	"	"	"	
3554	"	11:15	11:30	"	"	"	"	"	"	"	
3555	"	11:34	12:05	"	ON	"	"	"	"	"	Fast feedback ON
3556	"	12:05	12:35	"	ON	"	"	"	"	"	
3557	"	12:35	13:08	"	ON	"	"	"	"	"	
3558	"	13:09	13:42	"	ON	"	"	"	"	"	
3559	"	13:43	14:12	"	ON	"	"	"	"	"	
3560	"	14:13	14:44	"	ON	"	"	"	"	"	
3561	"	14:45	15:18	"	ON	"	"	"	"	"	
3562	"	15:19	15:47	"	ON	"	"	"	"	"	
3563	"	15:48	16:04	"	ON	"	"	"	"	"	
1951	7/21	16:19	16:22	20862	ON	"	"	"	"	no	Test/warmup counting DAQ
1952	7/21	16:22	16:40	"	"	"	"	"	"	no	VDCs Turned on / Test
1953	7/21	16:40	17:06	"	"	"	"	"	"	no	Test
1954	7/21	17:06	17:14	"	OFF	"	"	"	"	no	20nA beam/Quartz was off
1955	7/21	17:14	17:18	"	OFF	"	"	"	"	no	Turned Quartz on
1956	7/21	17:18	17:20	"	OFF	"	"	"	"	no	
1957	7/21	17:31	17:43	"	OFF	"	"	"	"	"	
1958	7/21	17:43	18:03	"	OFF	"	"	"	"	"	
3564	7/21	18:32	18:38	"	ON	"	"	Yes	"	Yes	Pedestal run w/ pulsar trigger
3565	7/21	18:42	18:53	"	ON	"	"	"	"		Production < 5 Aug 11 > Junk
3566	7/21	18:51	19:21	"	ON	"	"	"	"	Yes	Main detector OFF 5 Aug 11 > Junk
3567	7/21	19:22	19:52	"	ON	"	"	"	"	Yes	Main detector ON
											No beam from ~19:36 to 19:52

Run Number	Date	Start Time	End Time	Target	FFB on?	AqFB	BMW	Sync	ended properly?	production?	Comments
3568	7/21	20:03	20:33	P62	Yes	ON	ON	Yes	Yes	Yes	Beam back 20:02
3569	7/21	20:33	21:03	P62	"	"	"	"	"	"	"
3570	7/21	21:03	21:33	"	"	"	"	"	"	"	"
3571	7/21	21:34	22:04	"	"	"	"	"	"	"	"
3572	7/21	22:04	22:40	"	"	"	"	"	"	"	switching to 1hr runs/ended early
3573	7/21	22:47	23:37	"	"	"	"	"	"	"	Penguin has been slow/non-responsive at times
3574	7/21	23:38	00:38	"	"	"	"	"	"	"	"
3575	7/22	00:39	01:39	"	"	"	"	"	"	"	"
3576	7/22	01:40	02:40	"	"	"	"	"	"	"	"
21058	7/22			Home						Cosmic	PS1=1, PS2=1
21059	7/22			Home						Cosmic	PS1=1, PS2=1
21060	"	16:40:42		"						"	PS1=70, PS2=70
21061	"	16:40:46	17:00:01	"						"	PS1=70, PS2=70
21062	"			"						"	"
21063	"			"						"	PS1=5, PS2=5
21100	"			"						"	PS1=5, PS2=5
21104	"			"						"	"
21101	"			"						"	VDC ON
21104	"			"						"	"
21102	"			"						"	"
21065	"			"						"	"
1976	"										PS1=1 PS2=1, Cosmic
3582	7/21	23:57	1:09	Home						Beam	Beam back

Run Number	Date	Start Time	End Time	Target	FFB on?	AqFB	BMW	Sync	ended properly?	production?	Comments
3583	7/23	2:16	2:18	Home					Yes	Yunk	Test run after inserting wave plate
3584	7/23	15:46	17:26	Home	No	Yes	No	Yes	Yes	No	Test Run
3585	7/23	17:35	19:28	Home	OFF	No	No	Yes	Yes	No	Test Run
3586	7/23	19:29	21:26	Home	OFF	OFF	OFF	ON	Yes	No	Test run
3587	7/23	19:28	23:10	Home	OFF	OFF	OFF	ON	Yes	No	Test run
3588	7/23	23:11		Home	OFF	OFF	OFF	ON	Yes	No	Test run
21,102											
1978											
21,103											
1979											
21,104											
1980	7/24	17:45	18:07	Check	OFF					No	SPOT
21,105	7/24	17:45	18:07	Check	OFF						SPOT
1981	7/24	18:06	18:12	Check	OFF						SPOT
21,106	7/24	18:09	18:11	Check	OFF						SPOT
1982	7/24	18:17	18:22	Ph	OFF						Detector Alignment
21,107	7/24	18:21	18:22	Ph	OFF						
1983	7/24	18:22	18:38		OFF						
21,108	7/24	18:25	18:38		OFF						
1984	7/24	18:36	18:47		OFF						
21,109	7/24	18:39	18:47		OFF						
1985	7/24	19:00	19:10		OFF						
21,110	7/24	19:01	19:01		OFF						
1986	7/24	19:09	19:13		OFF						
21,111	7/24	19:03	19:10		OFF						
1987	7/24	19:15	19:20	Ph	OFF						

Run Number	Date	Start Time	End Time	Target	FFB on?	AqFB	BMW	Sync	ended property?	production?	Comments
21,122	7/24	21:19	21:19	PS	No				Yes	No	+2cm out detector AT alignment
2003	7/24	21:16	21:19	PS	No				Yes	No	GEN Run
2004	7/24	21:20	21:20	PS	No				Yes	No	GEN Run
21,123	7/24	21:18	21:21	PS	No				Yes	No	+2cmx 10 AT alignment
21,124	7/24	21:24	21:27	PS	No				Yes	No	OUT Y-1cm AT alignment
2005	7/24	21:31	21:43	PS	No				Yes	No	GEN Run
21,125	7/24	21:39	21:43	PS	No				Yes	No	10 Y-1cm AT alignment
2006	7/24	21:41	21:46	PS	No				Yes	No	GEN Run
21,126	7/24	21:50	21:51	PS	No				Yes	No	10 Y-2cm AT alignment
2007	7/24	21:46	21:49	PS	No				Yes	No	GEN Run
2008	7/24	21:52	21:58	PS	No				Yes	No	GEN Run
21,127	7/24	22:00	22:00	PS	No				Yes	No	10 X-4cm AT alignment
2009	7/24	21:57	22:00	PS	No				Yes	No	GEN run
2010	7/24	22:00	22:03	PS	No				Yes	No	GEN run
2011	7/24	22:03	22:05	PS	No				Yes	No	GEN run
3520	7/24	22:30	23:00	PS	No	No	No	✓	Yes	No	Parity Test
3521	7/24	23:03	23:08	PS	No	No	No	✓	Yes	No	ramping up current
3522	7/24	23:09	23:24	PS	No	No	No	✓	Yes	No	ramping up current
3523	7/24	23:24	23:27	PS	Yes	Yes	Yes	✓	Yes	Yes	AqFB not working 50at
3524	7/24	23:29	00:42	PS	Yes	Yes*	Yes	✓	Yes	No	AqFB fixed during run on Panguan
3525	7/25	00:42	01:42	PS	Yes	Yes	Yes	✓	Yes	Yes	Events not passing cuts fixed
3526	7/25	01:43	1:56	PS	Yes	Yes	Yes	✓	Yes	Yes	
3527	7/25	1:56	2:22	PS	No	Yes	No	✓	Yes	No	Current scan
3528	7/25	2:22	2:27	PS	No	No	No	✓	Yes	No	PETA scan, RHP had a 14 beamset not
3529	7/25	2:28	2:40	PS	No	No	No	✓	Yes	No	PETA scan

Run Number	Date	Start Time	End Time	Target	FFB on?	AqFB	BMW	Sync	ended properly?	production?	Comments
3600	7/25	2:43	2:52	Pb	No	No	Yes	✓	Yes	No	Junk
3601	7/25	2:53	3:13	Pb	Yes	Yes	Yes	✓	Yes	Yes	
3602	7/25	3:14	4:14	Pb	Yes	Yes	Yes	✓	Yes	Yes	
3603	7/25	4:14	5:14	Pb	Yes	Yes	Yes	✓	Yes	Yes	
3604	7/25	5:15	6:14	Pb	Yes	Yes	Yes	✓	Yes	Yes	
3605	7/25	6:14	7:15	"	"	"	"	✓	Yes	Yes	
3606	7/25	7:15	8:20	"	"	"	"	✓	Yes	Yes	
3607	7/25	8:21	8:27	"	✓	✓	✓	✓	Yes	Yes	
3608	7/25	8:34	8:35	Pb	✓	✓	✓	✓	Yes	Yes	
3609	7/25	9:36	10:10	Pb	No	No	No	✓	Yes	No	Junk
3610	7/25	11:27	12:10	Pb	No	No	No	✓	Yes	No	Junk
3611	7/25	12:48	12:57	Pb	No	No	No	✓	Yes	No	Junk
3612	7/25	13:12	13:14	Pb	No	No	No	✓	Yes	No	Junk -
3613	7/25	13:16	14:02	Pb	"	"	"	✓	Yes	No	"
3614	7/25	14:02	14:13	Pb	"	"	"	✓	Yes	No	Test
3615	7/25	14:13	14:19	Pb	"	"	"	✓	Yes	No	Test
3616	7/25	14:19	14:32	Pb	No	No	No	✓	Yes	No	test - no beam in hall
3617	7/25	14:32	15:12	Pb	No	No	No	✓	Yes	No	test - no beam in injector
3618	7/25	15:18	16:11	Pb	No	No	No	✓	Yes	No	test - Beam
3619	7/25	16:12	16:34	Pb	No	No	No	✓	Yes	No	Beam Test, Mussen Injects Upstairs
3620	7/25	16:35	17:16	Pb	No	Yes	Yes	✓	Yes	No	Beam Test, Mussen Injects Upstairs
3621	7/25	17:50	18:06	Pb	Yes	Yes	Yes	✓	Yes	Yes	Test Beam.
3622	"	18:07	18:35	Pb	Yes	Yes	Yes	✓	Yes	Yes	Production
3623	"	18:37	19:33	Pb	Yes	Yes	Yes	✓	Yes	Yes	Production.
3624	"	19:33	20:29	"	"	"	"	✓	Yes	Yes	
3625	"	20:30	20:52	"	"	"	"	✓	Yes	Yes	Production

Run Number	Date	Start Time	End Time	Target	FFB on?	AqFB	BMW	Sync	ended properly?	production?	Comments
3626	7/25	20:52	21:15	Pb	yes	yes	yes	yes	yes	yes	Production Swamp
3628	"	21:33	21:34	"	"	"	"	"	"	"	Production - Swamp
3629	"	21:39	22:19	Pb	yes	"	"	"	"	"	" Swamp
3630	"	22:18	23:15	Pb	yes	yes	yes	yes	yes	yes	After Paving Fix
3631	"	22:16	00:17	Pb	yes	yes	yes	yes	yes	yes	Production
3632	7/26	00:18	01:25	Pb	yes	yes	yes	yes	yes	yes	"
3633	"	01:26	02:29	"	"	"	"	"	"	"	" begin current lowered 4000
3634	"	02:29	03:28	"	"	"	"	"	"	"	Production
3635	"	03:28	04:24	"	"	"	"	"	"	"	"
3636	"	04:25	05:22	"	"	"	"	"	"	"	begin current 4000
21129	7/28	05:46		Pb	"	NO	"	"	yes	No	Right HRS Singles low current
21130	7/28	06:03	06:11	Pb	NO	"	"	"	yes	No	Spot on Lead target 2M events (BEAM MOD LEFT ON, ops)
21131	7/28	6:21	6:32	Pb Chole					yes	No	Spot on Chole 90° RHRs
21132	7/28	6:32	6:39	Pb Chole					yes	Yes	Spot
21133	7/28	6:44	6:50	Chole					yes	No	" - moving beam
21134	"	6:55	7:01	Chole					"	"	
21135	"	7:12	7:20	Pb					"	"	Pb target
21136	"	7:23	7:28	Pb					"	"	
21137	"	7:42		Pb					"	"	Switched Pb targets to DC 7000-00
3644	7/26	5:40	5:40	Pb	NO	✓	✓		yes	NO	Test Ramping
3645	7/26	5:40	6:31	Pb	NO				yes	NO	Current Scan

Run Number	Date	Start Time	End Time	Target	FFB on?	AqFB	BMW	Sync	ended properly?	production?	Comments
36446	7/26	6:50	6:50	9810	off	✓	off		✓	no	Calibration/Recity Scan
36447	7/26	6:55	7:00	9810	on	on	on		✓	yes	Ramp set to 500 instead of 2
36448	7/26	7:00	7:01	9810	on	on	on		✓	yes	Short → Kent wanted NO BMW
36449	7/26	7:01	7:15	9810	on	on	off	✓	✓	yes	NO BMW, 10 min run.
36450	7/26	7:16	8:14	9810	on	on	on	✓	✓	yes	Saturated BPMs
36451	7/26	8:15	8:15	9810	on	on	on	✓	✓	yes	Production
36452	7/26	8:15	10:16	9810	on	on	on	✓	✓	yes	First 30K, BPM Saturation
36453	7/26	10:16	11:17	9810	on	on	on	✓	✓	yes	
36454	7/26	11:17	00:15	9810	on	on	on	✓	✓	yes	
36555	7/27	05:19	01:15	"	"	"	"	✓	yes	yes	
36556	"	01:16	02:17	"	"	"	"	"	yes	yes	
36557	"	02:17	03:13	"	"	"	"	✓	yes	yes	
36558	"	03:14	04:15	"	"	"	"	✓	yes	yes	
36559	"	04:15	05:16	"	"	"	"	✓	yes	yes	
36600	"	05:16		"					No	yes	DAQ Disconnected Rocks EBI
36601	"			"					No	No	Test
36602	"			"					No	No	Test
36603	"	6:46		"	"	"	"		No	yes?	ROC 26 disconnected
36604	"	7:08	7:58	"	"	"	"	✓	yes	yes	
36605	"	7:59	8:58	"	"	"	"	✓	yes	no	Test w/no beam
36606	"	9:02	10:02	"	"	"	"	✓	yes	yes	" FFB was off at the beginning, but on later.
36607	"	10:08	10:09	"	"	"	"		yes	no	LHDS at tripped and being ramped up during run.
36608	"	10:13	10:17	"	"	"	"		yes	no	" and flip change.
36609	"	10:25	10:27	"	"	"	"		yes	?	I HWP = BUT; BPM saturation
36700	"	10:28	11:27	"	"	"	"	✓	yes	yes	BPM ok.
36701	"	11:27	11:28	"	"	"	"	✓	yes	yes	

Run Number	Date	Start Time	End Time	Target	FFB on?	AqFB	BMW	Sync	ended properly?	production?	Comments
3672	7/27	12:28	13:26	9810	on	on	on	✓	yes	Yes	
3673	7/27	13:26	14:25	"	"	"	"	✓	yes	Yes	
3674	"	14:26	15:22	"	"	"	"	✓	yes	Yes	
3675	"	15:22	16:22	"	"	"	"	✓	yes	Yes	Q1 tripped around 2/3 into the run
3676	7/27	16:23	17:18	9610	on	on	on	✓	yes	Yes	
3677	7/27	17:20	17:25	"	"	"	"	✓	yes	NO	Test 5min w/ other hall's down
3678	7/27	17:33	18:34	"	"	"	"	✓	yes	Yes	IHWP new IN
3679	7/27	18:35	19:35	"	"	"	"	✓	yes	Yes	
3680	"	19:35	20:35	"	"	"	"	✓	yes	Yes	
3681	"	20:36	21:38	"	"	"	"	✓	yes	Yes	No beam from 21:00 ~ 21:15 many trips
3682	"	21:46	21:53	"	"	"	"	✓	yes	Yes	RF was off, Noc was trying to fix hall b
3683	"	21:54	22:54	"	"	"	"	✓	yes	Yes	BCM Calibration was done during run or MCC/BPM 11216
3684	"	22:55	23:55	"	"	"	"	✓	yes	Yes	were above 50k for a minute for accurate minutes
3685	"	23:55	0:54	"	"	"	"	✓	yes	Yes	BPM 4114 were above 50k for a minute
3686	7/28	01:25	02:24	"	on	on	on	✓	yes	Yes	FHWP now Out
3687	"	02:24	03:21	"	on	on	on	✓	yes	Yes	
3688	"	03:24	04:26	"	"	"	"	✓	yes	Yes	
3689	"	04:26	04:39	"	"	"	"	✓	yes	?	Q1 Left tripped
3690	"	04:54	06:00	"	on	on	on	✓	yes	Yes	
3691	"	06:00	07:00	"	on	on	on	✓	yes	Yes	
3692	"	07:05	08:02	"	on	on	on	✓	yes	Yes	IHWP IN
3693	"	08:02	9:04	"	on	on	on	✓	yes	Yes	Q1 cycled
3694	"	9:04	9:23	"	"	"	"	✓	yes	Yes	ended because BCM x2 peak
3695	"	9:26	9:31	"	on	off	on	✓	yes	no	RHWP=500
3696	"	9:34	9:39	"	"	"	"	✓	yes	no	RTP cell off
3697	"	9:42	9:48	"	on	off	on	✓	yes	no	back to standard settings

Prompted?

Sheet1

Run Number	Date	Start Time	End Time	Target	FFB on?	AqFB	BMW	Sync	ended properly?	production?	Comments
3698	7/28	9:51	10:45	P6-D6	yes	yes	yes	✓	yes	yes	
2023	"										test run
2024	"	11:16	11:40	P6-D6	yes	yes	no	✓	yes	no	Spot ++
3699	"	11:50		P6-D6							
3700											Double Peak test
3701	"	12:25	12:50	P6-D6	no	no	no	✓	yes	no	junk
3702	"	12:50	13:50	"	yes	yes	yes	✓	yes	yes	LQ1 tripped at the beginning
3703	"	13:51	14:01	"	"	"	"	✓	yes	yes	collimator temp + radiation spike
2025	"	14:38	14:48	"	no	no	no	✓	yes	no	Spot ++
21199	"	14:38	14:48	"	no	no	no	✓	yes	no	"
3704	"	15:05	15:18	"	no	no	no	✓	yes	no	slow ramp up
3705	"	15:19	16:17	"	yes	yes	yes	✓	no	yes	Probe occurred in coda during this run
3706	"	16:18	16:50	"	yes	yes	yes	✓	yes	yes	MCC had to take away beam to fix (collator)
3707	"	17:11	18:11	P610	yes	yes	yes	✓	yes	yes	
3708	"	18:11	18:49	"	"	"	"	✓	"	"	left Q1 tripped / MCC turned off RF near end of run
3709	"	18:53	19:53	"	"	"	"	"	"	"	
3710	"	19:53	20:33	"	"	"	"	"	no	"	Coda Crashed around 20:33
3711	"	20:36	21:36	"	"	"	"	"	yes	"	
3712	"	21:43	22:4	"	"	"	"	"	"	"	I HWP OUT starting from this run / Q1 tripped around 22:53
3713	"	22:49	23:50	"	"	"	"	"	"	"	
3714	"	23:51	00:24	"	"	"	"	✓	yes	"	Stopped early than Normal
3715	"	00:25		"	"	"	"	✓	"	"	Should run to check widths.

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Page 1

Run	Date	Start	End	Production?	Target	FFB?	Aq FFB?	BMW?	Sync?	Run End Properly?	Comments
3716	7/29	00:39	1:20	✓	P6	✓	✓	✓	✓	✓	Ended Early
2026/2150	"			No	"	✓	No	No	✓	✓	
2027/2151	"	1:33	1:40	No	P6	✓	No	No	✓	✓	Spot ++
3717	"	1:43	2:25	Yes	P6	✓	✓	✓	✓	✓	Back to production
3718	"	3:23	4:29	Yes	P6	✓	✓	✓	✓	✓	LHRS Q1 recall back cur
3719	"	4:29	5:31	Yes	P6	✓	✓	✓	✓	✓	"
3720	"	5:32	6:22	Yes	"	✓	✓	✓	✓	✓	"
3721	"	6:33	7:21	Yes	P6	✓	✓	✓	✓	✓	"
3722	"	7:22	8:00	✓	P6	✓	✓	✓	✓	✓	"
3723	"	8:00	9:00	Test	P6	✓	✓	✓	✓	✓	Out of
3724	"	9:00	10:00	Test	9/6/10	✓	✓	✓	✓	✓	Out A Blam ->
3725	"	10:00	11:00	Test	9/6/10	✓	No	✓	✓	✓	Out A
3726	"	11:00	11:55	Test	9/6/10	✓	No	✓	✓	✓	Out A
3727	"										Tune Blam - Cameron
3728	"										
3729	"										
3730	"		1:30	Test	9/6/10	✓	No	✓	✓	✓	Out A
3731	"		2:52	Test	9/6/10	✓	No	✓	✓	✓	Out A
3732	"	2:52	2:55	Test	9/6/10	✓	No	✓	✓	✓	SHORT-TUNE BLAM.
2116	"	2:52	2:55	Test							
2031	"	2:52	2:55	Test							Cosmosky 4/10/07
3746	test - 9/6/07										Cosmic, 4/10/07
3747	no signal										
3748	test										

2026/2150
2027/2151

3748 test

Run	Date	Start	End	Production?	Target	FFB?	Aq FFB?	BMW?	Sync?	Run End Property?	Comments
L 2037	7/31/19			NO	Carbon hole						spot++
R 21170	7/31/19			NO	Carbon hole						spot++
L 2038	"	17:41		"	"						"
R 21171	"	17:41		"	"						"
L 2039	"	18:33	18:33	"	"						"
R 21172	"	18:33	18:33	"	"						"
L 2040	"	18:42	18:45	"	"						"
R 21173	"	18:42	18:45	"	"						"
L 2041	"	18:46	18:48	"	"						"
R 21174	"	18:46	18:48	"	"						"
L 2042	"	18:50	18:56	"	"						"
R 21175	"	18:50	18:56	"	"						"
L 2043	"	19:11		"	D9-P6-D10						"
R 21176	"	19:11		"	"						"
L 2044	"	19:15	19:21	"	"						15.0X 0.4 Easter
R 21177	"	19:15	19:21	"	"						"
L 2045	"	19:25	19:34	"	"						nominal Easter size
R 21178	"	19:25	19:34	"	"						"
L 2046	"	19:42	19:49	"	"						" (Detector alignment
R 21179	"	19:44	19:49	"	"						"
L 2047	"	19:49	19:50	"	"						"
R 21180	"	19:51	19:50	"	"						"
L 2048	"	20:00	20:10	"	"						"
R 21181	"	20:01	20:10	"	"						"
L 2049	"	20:14	20:17	"	"						"
R 21182	"	20:17	20:17	"	"						"

Run	Date	Start	End	Production?	Target	FFB?	Aq FFB?	BMW?	Sync?	Run End Properly?	Comments
L 2050	07/31/19	20:18	20:20	No	D9-P6-D10						Nominal reentrance, Detector alignment
R 21183	"	20:19	20:20	"	"						"
L 2051	"	20:21	20:31	"	"						"
R 21184	"	20:21	20:31	"	"						"
L 2052	"	20:38	20:40	"	"						"
R 21185	"	20:38	20:40	"	"						"
L 2053	"	21:00	21:01	"	"						" , Trigger problem
R 21186	"	21:00	21:10	"	"						"
L 2054	"	21:04	21:18	"	"						Nominal reentrance, Detector alignment
R 21187	"	21:11	21:18	"	"						"
L 2055	"	21:20	21:30	"	"						"
R 21188	"	21:21	21:30	"	"						"
L 2056	"	21:35	21:37	"	"						"
R 21189	"	21:36	21:39	"	"						"
3749	"	22:29	22:42	"	"	OFF	OFF	OFF	✓	YES	65% has any feedback Ion chamber calibration tuned on
3750	"	22:44	22:51	"	"	"	"	"	✓	"	Tune beam DAQ BCM test
3751	"	22:53	23:20	"	"	"	"	"	✓	"	Calibration run
3752	"	23:21	23:46	"	"	"	"	"	✓	"	PITA Scan
3753	"	23:47	00:22	YES	"	ON	ON	ON	✓	"	Production
3754	08/01/19	00:24	00:50	Yes?	D9-208P10-D10	ON	ON	ON	✓	"	FFB turned off before run ended. Beam trip > 3/4 run
3755	"	00:56	01:10		"	OFF	"	OFF	✓	"	
3756	"	01:12	02:08	YES	"	ON	"	OFF?	✓	"	FFB turned ON now
3757	"	2:09	3:08	Yes	"	"	"	OFF	✓	"	Beam Modulator Status Unclear.
3758	"	3:09	3:48	"	"	"	"	"	✓	"	Beam Modulation turned ON.
3759	"	03:49	4:45	Yes	"	"	"	ON	✓	"	finally everything as expected!

PARITY



Run	Date	Start	End	Production?	Target	FFB?	Aq FFB?	BMW?	Sync?	Run End Properly?	Comments
3760	01 Aug '19	04:46	05:43	Yes	39-P610-D10	Yes	Yes	Yes	Yes	Yes	All is well
3761	"	05:44	6:40	"	"	"	"	"	"	"	"
3762	"	6:40	7:38	"	"	"	"	"	"	"	"
3763	"	7:43	8:43	"	"	✓	✓	✓	✓	✓	IHWI IN
3764	"	8:53	9:57	✓	✓	✓	✓	✓	✓	✓	IHWI OUT
3765	"	9:58	10:58	✓	✓	✓	✓	✓	✓	✓	✓
3766	"	10:58	11:57	✓	✓	✓	✓	✓	✓	✓	✓
3767	"	11:58	12:57	✓	✓	✓	✓	✓	✓	✓	✓
3768	"	12:58	14:00	✓	✓	✓	✓	✓	✓	✓	✓ 0.23C OUT
3769	"	14:02	15:00	✓	✓	✓	✓	✓	✓	✓	✓ 0.21C IN
3770	"	15:01	16:02	Yes	39-P610-D10	✓	✓	✓	✓	✓	✓ ? IN
3771	"	16:02	16:29	✓	✓	✓	✓	✓	✓	No	— CODA CRASHED
3772	"	16:32	17:31	✓	✓	✓	✓	✓	✓	Yes	0.22C IN
3773	"	17:32	18:30	✓	✓	✓	✓	✓	✓	Yes	0.21C IN
3774	"	18:31	19:29	✓	✓	✓	✓	✓	✓	"	0.20C IN
3775	"	19:32	19:36	✓	✓	✓	✓	✓	✓	No	CODA CRASHED
3776	"	19:38	20:04	✓	✓	✓	✓	✓	✓	Yes	0.03C OUT
3777	"	20:07	20:57	✓	✓	✓	✓	✓	✓	"	0.04C OUT
3778	"	20:59	21:58	✓	✓	✓	✓	✓	✓	"	0.14C OUT
3779	"	21:58	22:57	✓	✓	✓	✓	✓	✓	"	0.22C OUT
3780	"	22:57	23:57	✓	✓	✓	✓	✓	✓	"	0.15C OUT
3781	"	23:58	00:00	✓	✓	✓	✓	✓	✓	✓	0.24C OUT
3782	Aug 2nd	1:00	2:00	✓	"	✓	✓	✓	✓	✓	0.23C OUT
3783	"	2:00	2:47	✓	"	✓	✓	✓	✓	✓	0.05C 0.05C OUT
3784	"	2:56	3:10	✓	"	✓	✓	✓	✓	No	(?) OUT

CODA TSI NOT Responsive.

Accumulated

0.10C

0.24C

0.46C

0.61C

0.85C

1.08C

1.13C

1.13C

C+D.

1.13C

1.18C

1.3C

5 Aug 25

1790 hrs

AME issue

3789

3791

Run	Date	Start	End	Production?	Target	FFB?	Aq FFB?	BMW?	Sync?	Run End Properly?	Comments
3785	Aug 2nd	3:10	3:57	✓	208P/b	✓	✓	✓	✓	✓	Reset CoDA 0.05C
3786	"	3:59	4:43	✓	"	✓	✓	✓	✓	✓	0.12C
3787	"	4:58	4:45	✓	"	✓	✓	✓	✓	✓	0.2C IN
3788	"	5:56	6:56	✓	"	✓	✓	✓	✓	✓	0.17C IN
3789	"	6:57	X	✓	"	✓	✓	✓	✓	X	CoDA CRASH JUNK
3791	"	7:26	8:30	✓	"	✓	✓	✓	✓	✓	0.24C
3792	"	8:31	8:45	✓	"	✓	✓	✓	✓	✓	Harp Scan
3793	"	8:45	8:53	✓	"	✓	X	✓	✓	✓	Injector thing
3794	"	8:54	9:00	X	"	X	X	✓	✓	✓	Injector thing
3795	"	9:00	9:05	X	"	X	X	✓	✓	✓	"
3796	"	9:05	9:07	X	"	X	X	✓	✓	✓	"
3797	"	10:15	11:06	X	"	X	X	✓	✓	✓	QAQ Testing
3798	"	11:06	11:22	X	"	X	X	✓	✓	✓	Keep requested for some testing study
3799	"	11:22	11:32	✓	"	X	X	✓	✓	✓	Injector study.
3800	"	12:58	13:11	X	"	X	X	✓	✓	✓	QAQ study.
3801	"	13:11	13:16	X	"	X	X	✓	✓	✓	MCC Harp Scan.
3802	"	13:12	14:07	X	"	X	X	✓	✓	✓	"
3803	"	14:08	14:42	✓	"	✓	✓	✓	✓	✓	1 Production
3804	"	14:08	15:41	✓	"	✓	✓	✓	✓	✓	1 Production
3805	"	15:42	16:40	✓	"	✓	✓	✓	✓	✓	1 (50.37 min / 58.33 min) 0.2C
3806	"	16:43	17:41	✓	"	u	✓	✓	✓	✓	Started BMW after ~25000 events, 0.21C
3807	"	17:42	18:09	✓	"	✓	✓	✓	✓	✓	CoDA CRASHED
3808	"	18:12	19:12	✓	"	✓	✓	✓	✓	✓	YES (41.57 / 59.65 min) 0.16C
3809	"	19:13	20:12	✓	"	✓	✓	✓	✓	✓	" (50.85 / 58.01 min) 0.20C
3810	"	20:13	20:17	✓	"	✓	✓	✓	✓	✓	" (41.34 / 47.3 min) 0.02C

QAQ Testing

Keep requested for some testing study

Injector study.

QAQ study.

MCC Harp Scan.

"

1 Production

1 Production

1 (50.37 min / 58.33 min) 0.2C

Started BMW after ~25000 events, 0.21C

CoDA CRASHED

YES (41.57 / 59.65 min) 0.16C

" (50.85 / 58.01 min) 0.20C

" (41.34 / 47.3 min) 0.02C

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ABU/Rampin

Slugs 27/28

Run	Date	Start	End	Production?	Target	FFB?	Aq FFB?	BMW?	Sync?	Run properly?	Comments
3811	08/02/19	20:21	21:18	YES	208Pb10	✓	✓	✓	✓	YES	(37.55/57.35 min) 0.15C IN
3812	"	21:19	22:23	"	"	✓	✓	✓	✓		(44.01/63.81 min) 0.17C IN
3813	"	22:50	23:51	"	"	✓	✓	✓	✓		(57.13/61.39) 0.22C IN
3814	08/03/19	01:53	02:53	"	"	✓	✓	✓	✓		(55.35/59.72 min) 0.21C IN
3815	"	02:54	03:19	"	"	✓	✓	✓	✓		(20.92/24.47 min) 0.08C IN
3816	"	03:58	04:58	"	"	✓	✓	✓	✓		(55.41/59.74 min) 0.2C IN
3817	"	04:59		"	"	✓	✓	✓	✓	X	Coda Crashed!!
3818	"	05:23	6:23	"	"	✓	✓	✓	✓		(52.56/59.86 min) 0.19C IN
3819	"	06:25	7:16	"	"	✓	✓	✓	✓		(40.17/51.40 min) 0.15C IN
3820	"	07:20	8:09	"	"	✓	✓	✓	✓		(43.24/44.35 min) 0.15C IN
3821	"	08:10	08:34	"	"	✓	✓	✓	✓		(21.67/22.48) 0.07C IN
3822	"	09:39	09:53	"	208Pb9	✓	✓	✓	✓		(12.39/13.04) 0.05C IN
3823	"	09:55	10:17	"	"	✓	✓	✓	✓		(20.26/21.06) 0.07C IN
3824	"	10:56	11:07	"	"	✓	✓	✓	✓		61 ~0.2C OUT
3825	"	11:28	12:13	"	"	✓	✓	✓	✓		(24.9/45.25) 0.09C OUT
3826	"	12:16	13:11	"	"	✓	✓	✓	✓		(48.08/55.64) 0.16C OUT
3827	"	15:10	16:10	"	"	✓	✓	✓	✓	✓	Out
3828	28/3/19	16:10	17:10	Yes	208Pb9	✓	✓	✓	✓	✓	(44.03/59.11) 0.13C Out
3829	"	17:11	18:21	"	"	"	"	"	"	"	(63.00/69.82) 0.18C Out
3830	"	18:22	19:20	"	"	"	"	"	"	"	(14.40/56.35) many trips/long beam down
3831	"	19:25	20:30	No	"	"	"	"	"	"	Running DAO while beam down
3832	"	20:31	21:31	No	"	"	"	"	"	"	Still no beam
3833	"	21:33	22:13	No	"	"	"	"	"	"	No beam
3834	"	22:11	23:19	Yes	"	"	"	"	"	"	(9.39/59.92) 0.03C Not much beam during run
3835	"	23:15	00:20	Yes	"	OFF	"	"	"	"	(32.31/64.83) 0.09C FFB was turned off because MOC had issues with gain searching after the BPM 11 wires saturated. FFB back on around 23:30

Slugs 27
28

Slugs 28/29

not important anymore

Run	Date	Start	End	Production?	Target	FFB?	Aq FFB?	BMW?	Sync?	Run End Properly?	Comments
3836	8/4/19	00:22	01:22	yes	208P69	OFF	ON	ON	yes	✓	(16.57/59.69) 0.04C
3837	"	01:23	02:23	"	"	ON	ON	ON	yes	✓	(57.18/59.73 min) 0.15C
3838	"	02:24	03:24	"	"	ON	ON	ON	yes	✓	(41.66/59.74 min) 0.11C
3839	"	03:25	04:12	"	"	OFF	"	"	"	✓	(14.55/46.64 min) 0.04C
3840	"	05:27	06:30	"	"	ON	"	"	"	✓	(48.70/62.57 min) 0.13C
3841	"	06:36	07:36	"	"	ON	"	"	"	✓	(54.69/60.30 mins) 0.14C
3842	"	07:37	08:08	"	"	"	"	"	"	✓	→ 0.07C
3843	"	08:09	08:10	"	"	"	"	"	"	✓	
3844	"	08:20		NO	HOME	OFF	OFF	OFF	"	✓	beam off
3845	8/5/19	08:00	9:27	NO	HOME	OFF	OFF	OFF	?	✓	no beam
3846	"	9:27	10:49	NO	HOME	OFF	OFF	OFF		✓	no beam
3847	8/5/19	10:49	12:00	NO	"	"	"	"		✓	no beam
3848	8/5/19	12:00	12:40	NO	Home	"	"	"		✓	no beam
3849	"	12:41	2:03	"	"	"	"	"		✓	no beam
3850	"	2:03	2:45	"	"	"	"	"		✓	no beam
3851	"	2:45	3:41	"	"	"	"	"		✓	no beam
3852	"	3:45	5:01	NO	none off	"	"	"		✓	no beam
2086	"	17:30	17:39	NO	208P69	"	"	"			spot + +
21202	"	17:30	17:38	NO	"	"	"	"			spot + +
3853	"	19:43	20:10	YES	208P69	ON	ON	ON		✓	370g A beam
3854	"	20:06	20:48	YES	"	ON	ON	ON		✓	tuned beam mod. off to help adjust gains.
3855	"	20:49	21:34	YES	"	ON	ON	ON		✓	
3856	"	21:51	00:54	YES	"	ON	ON	OFF		✓	Nominal setting, 70g A
3857	8/6/19	00:55	01:35	YES	"	ON	ON	ON/OFF			(45.24/62.47) 0.19C
											(19.7/39.15) min 0.04C

1 HWD

OUT

FFB way off for the first time

FFB (OFF)

For the best part of the run.

IN

IN

IN

OUT

slug 28

slug 29

Slug 29/30/31

Run	Date	Start	End	Production?	Target	FFB?	Aq FFB?	BMW?	Sync?	Run End Properly?	Comments
3858	08/6/19	01:36	02:38	Yes	208P69	ON	ON	OFF/ON 250k	Yes	Yes	(50.64/62.26 min) 0.21C
3859	"	02:39	03:40	"	"	"	"	ON	"	"	(55.80/60.11 min) 0.23C
3860	"	03:41	04:41	"	"	"	"	"	"	"	(52.68/60.25 min) 0.22C
3861	"	04:42	05:42	"	"	"	"	"	"	"	(53.94/59.77 min) 0.24C
3862	"	05:43	06:43	"	"	"	"	"	"	"	(45.64/59.02 min) 0.19C
3863	"	06:44	07:46	"	"	"	"	"	"	"	(47.38/60.23 min) 0.2C OUT
3864	"	07:47	08:39	"	"	"	"	"	"	Yes	(38.03/51.58 min) 0.16C OUT
3865	"	08:35	09:43	Yes + Apos	"	"	"	"	"	"	(56.38/62.43 min) 0.24C OUT
3866	"	09:44	10:26	Yes + Apos	"	"	"	"	"	"	(37.94/40.82) 0.16C OUT
3867	"	10:26	10:37	Parity	"	NO	NO	NO	"	"	N/A PITA scan. OUT
3871	"	15:39	17:01		C-408						
3872	"	17:03									no. seen
3874	"	19:25	20:31	Yes	208P69	Yes	ON	OFF	"	"	
3875	"	20:32	21:23	Yes	"	"	ON	OFF	"	"	BMW ON half way through
3876	"	21:24	22:42	Yes	"	Yes	ON	OFF	"	"	240 Hz
3877	"	22:42	23:15	Yes	"	"	"	ON	"	"	240 Hz, run 2, 0.1C
3878	"	23:16	23:45	Yes	"	"	"	ON	"	"	240 Hz, run 3, 0.11
3879	"	23:45		"	"	"	"	"	"	NO	240 Hz, run 4, 0.1C
3880	08/7/19	00:23	00:53	Yes	208P69	ON	ON	ON	Yes	Yes	(24.51/29.62 min) 0.1C
3881	"	00:54		"	"	"	"	"	"		code crashed!
3882	"										
3883	"										
3884	"	02:35	2:49	Yes	"						NO good events!
3885	"	2:50	3:10		"	"	"	"			
3886	"	3:15		Yes	"	"	"	"		NO	code freeze, error

Slug 29

Slug 30

Slug 31

31

slug 31/32

Run	Date	Start	End	Production?	Target	FFB?	Aq FFB?	BMW?	Sync?	Run End Properly?	Comments
3887	08/7/19	3:50	4:24	yes	208P69	ON	ON	ON		yes	(31.39/32.40 min) 0.13C
3888	"	4:25		"	"	"	"	"	error	4:38	purity %, container add 1. jlab. org
3889	"	4:40	5:12	"	"	"	"	"		yes	(30.01/31.53) 0.13C admin is dead
3890	"	5:13	5:47	"	"	"	"	"		"	(26.36/33.45 min) 0.11C
3891	"	5:48	6:17	"	"	"	"	"		"	(16.3/29.23 min) 0.07C
3892	"	6:18	6:52	"	"	"	"	"		"	(32.42/33.73 min) 0.14C
3893	"	6:53	7:03	"	"	"	"	"		"	(9.48/9.68 min) 0.04C
3897	"	09:39	?	"	"	ON	ON	ON		NO	ROC23 crash IN
3898	"	09:57	10:26	"	"	ON	ON	ON		Yes	(24.75/27.98) 0.10 IN
3899	"	10:26	10:57	"	"	ON	ON	ON		Yes	(28.50/30.02) 0.12 IN
3900	"	10:58	11:35	"	"	ON	ON	ON		Yes	(32.04/36.86) 0.13C IN
3901	"	11:36	12:06	"	"	ON	ON	ON			(28.89/30.10) 0.12C IN
3902	"	12:06	12:13	"	"	ON	ON	ON		Yes	(33.2/6.51) 0.01C IN
3903	"	12:52	12:58	"	"	ON	ON	ON		Yes	changed to 0.02C IN
3904	"	12:58	13:02	No Beam	"	ON	ON	ON		Yes	No beam IN
3905	"	13:02	13:05	Yes	"	ON	ON	ON		NO	CODA crash IN
3906	"	13:05	13:31	Yes	"	ON	ON	ON		Yes	BMW word. 0.11C IN
3907	"	13:32	13:40	Yes	"	ON	ON	ON		Yes	beam taken for OPS 0.02 IN
3908	"	14:12	14:14	Yes No	"	OFF	OFF	OFF		Yes	returning after tuning IN
3909	"	14:14	14:20	Yes	"	ON	ON	ON		Yes	(4.94/5.14 min) 0.02 IN (0.67C)
3910	"	23:02	23:31	Yes	"	ON	ON	ON		Yes	(21.28/28.65) 0.09C IN
3911	"	23:31	23:50	Yes	"	ON	ON	ON		Yes	(20.2/24.2) 0.08C IN
3912	08/8/19	00:42		NO	"						PITA scan.
3913	08/8/19	00:54		yes	"	ON	ON	ON			cada crashed

slug 3A

slug 32

Slug 32/

Run	Date	Start	End	Production?	Target	FFB?	Aq FFB?	BMW?	Sync?	Run End Properly?	Comments	IHW
3914	08/8/19	01:18	01:54	Yes	208 P69	Yes	Yes	Yes		Yes	(29.87/35.69) 0.13C	IN
3915	"	01:56		"	"	"	"	"		NO	Coda crashed	IN
3916	"	02:14	02:45	"	"	"	"	"		Yes	(27.13/30.21 min) 0.11C	IN
3918	"	03:21	03:53	"	"	"	"	"		Yes	(13.16/31.39 min) 0.06C	
3919	"	04:26	04:57	"	"	"	"	"		"	(25.53/30.23 min) 0.11C	
3920	"	04:58	05:28	"	"	"	"	"		"	(27.25/30.23 min) 0.11C	
3921	"	05:29	05:59	"	"	"	"	"		"	(28.66/30.24 min) 0.12C	
3922	"	06:00	06:31	"	"	"	"	"		"	(23.71/30.14 min) 0.1C	
3923	"	06:32	07:02	"	"	"	"	"		"	(27.05/30.23 min) 0.11C	
3924	"	07:03	07:33	"	"	"	"	"		"	(27.13/30.07 min) 0.11C	
3925	"	07:34	08:05	"	"	"	"	"		"	(27.78/30.014 min) 0.12C	
3926	"	08:05	08:36	"	"	"	"	"		"	(28.42/30.4 min) 0.12C	
3927	"	08:36	08:57	"	"	"	"	"		"	(18.57/20.51) 0.08C	IN
3928	"	08:58	09:00	BPM calibration	"	Yes	Yes	NO		"	New Computer BPM cal.	Code index analysed
3929	"	09:02	09:20	NO	"	NO	NO	NO		"	beam off	
3930	"			NO							Turkey beam off	
3931	"	11:00	11:30	Yes	"	Yes	Yes	Yes		Yes	(27.72/29.88 min) 0.12C	OUT!
3932	"	11:30	12:05	Yes	"	Yes	Yes	Yes		Yes	(18.03/34.27) 0.07C	OUT
3933	"	12:06	12:37	Yes	"	Yes	Yes	Yes		Yes	(27.89/31.00) 0.12	OUT
3934	"	12:37	13:12	Yes	"	Yes	Yes	Yes		Yes	(30.57/33.33 min) 0.13C	OUT
3935	"	13:12	13:44	"	"	Yes	Yes	Yes		Yes	(28.68/31.17 min) 0.12C	OUT
3936	"	13:44	14:18	"	"	"	"	"		"	(29.03/33.86 min) 0.12C	OUT
3937	"	14:19	14:56	"	"	"	"	"		"	(32.57/36.65 min) 0.14C	OUT
3938	"	14:56	15:36	"	"	"	"	"		"	(32.42/37.79 min) 0.15C	OUT
3939	"	15:36	16:10	Yes	"	"	"	"		NO	(28.18/28.58 min) 0.12C	OUT (0.09C)

→ Pumping Base crashed (Coda crashed) at the end of the run.

Slug 33



Run	Date	Start	End	Production?	Target	FFB?	Aq FFB?	BMW?	Sync?	Run End Properly?	Comments
3940	08/08/19	16:11	16:43	Yes	20869	Yes	Yes	Yes		Yes	438.14/3184; 0.12C OUT
3941	"	16:45	17:16	Yes	"	"	"	"		Yes	(26.57) 1 (0.12C) IN
3942	"	17:16		"	"	Yes	"	"		No	Code checked (no. 12) IN
3943	"	17:56	18:25	"	"	"	"	"		Yes	(23.62/24.52) (20.12C) IN
3944	"	18:25	18:56	"	"	"	"	"		Yes	(24.14/32.25) (20.12C) IN
3945	"	18:56	19:29	"	"	"	"	"		Yes	(23.57/30.52) (0.122) IN
3946	"	19:30	20:07	"	"	"	"	"		Yes	(28.97/30.17) (0.12) IN
3947	"	20:07	20:38	"	"	"	"	"		Yes	(26.21/29.38) (0.11C) IN
3948	"	20:38	21:08	"	"	"	"	"		"	(32.81/34.01) (0.14C) (1.02C)
3949	"	21:08	21:43	"	"	"	"	"		"	(26.93/30.53) (0.11C) IN (1.12C)
3950	"	21:43	22:15	"	"	"	"	"		"	(27.33/29.23) (0.11C) OUT
3951	"	22:17	22:47	"	"	"	"	"		"	(28.92/30.24) (0.12C) OUT
3952	"	22:48	23:19	"	"	"	"	"		"	(27.92/31.67) (0.12) OUT
3953	"	23:19	23:51	"	"	"	"	"		"	(22.52/30.24) 0.09
3954	"	23:52	00:22	"	"	"	"	"		"	(25.57/30.14 min) 0.11C
3955	08/09/19	00:24	00:56	"	"	"	"	"		"	(24.10/30.73 min) 0.12C
3956	08/09/19	00:57	1:27	"	"	"	"	"		"	(28.19/30.27 min) 0.12C
3957	"	01:28	1:59	"	"	"	"	"		"	(24.01/30.13 min) 0.1C
3958	"	02:00	2:30	"	"	"	"	"		"	(22.77/32.14 min) 0.1C
3959	"	02:31	3:03	"	"	"	"	"		"	(24.10/30.30 min) 0.12C OUT
3960	"	03:04	3:35	"	"	"	"	"		"	(26.24/30.18 min) 0.11C OUT
3961	"	03:36	4:06	"	"	"	"	"		"	(28.32/30.14 min) 0.12C IN
3962	"	04:10	4:41	"	"	"	"	"		"	(27.40/30.11 min) 0.12C IN
3963	"	04:42	5:12	"	"	"	"	"		"	(25.12/30.11 min) 0.11 IN
3964	"	05:13	5:43	"	"	"	"	"		"	

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Slug 34

Slug 34

Slug 35

Slug 36

Slug 36

Run	Date	Start	End	Production?	Target	FFB?	Aq FFB?	BMW?	Sync?	Run End Properly?	Comments
3965	08/09/19	05:44	6:14	YES	208P69	YES	YES	YES		YES	(23.57/30.07) 0.1C IN
3966	"	06:15	6:47	"	"	"	"	"		"	(28.30/31.65 min) 0.12C IN
3967	"	06:48	7:19	"	"	"	"	"		"	(27.25/30.35 min) 0.11C IN
3968	"	07:20	7:50	"	"	"	"	"		"	(25.57/30.08 min) 0.11C IN
3969	"	07:51	08:31	"	"	"	"	"		"	(36.02/39.84 min) 0.15C IN
3970	"	08:36	8:42	NO	"	NO	NO	YES		"	BMW HB test
3971	"	8:53	9:13	NO	"	NO	NO	YES		"	BMW/canal minder test
3972	"	09:19	10:40	NO	"	NO	NO	YES		"	analogs minder test
3973	"	11:05	11:10	NO	"	NO	NO	NO		"	restart coda
3974	"	12:26	13:27	NO	"	"	"	"		"	No beam
3975	"	13:41	14:14	YES	"	YES	YES	YES		"	FFB on/off at start. 0.12C IN
3976	"	14:14	14:47			"	"	"			(28.13/30.23) 0.12C IN
3977	"	14:48	15:19	YES	208P69	YES	YES	YES			(24.59/30.02) 0.10 OUT
3978	"	15:38	15:42	NO	HOME	YES	YES	YES		NO	target HOME, 70pA codacoda
3979	"	15:54	16:56	NO	"	YES	YES	YES		YES	restart coda
3980	"	16:58	17:57	NO	208P69	YES	YES	YES		YES	No beam
3981	"	17:57	18:25	NO YES	"	"	"	"		YES	beam reduction 0.08C OUT
3982	"	18:26	19:01	YES	"	"	"	"		YES	321(31.00/34.60) (0.13C) OUT
3983	"	19:02	19:32	YES	"	"	"	"		YES	(29.09/30.41) (0.12C) OUT
3984	"	19:32	20:13	YES	"	"	"	"		YES	(35.43/39.36) (0.15C) OUT
3985	"	20:13	20:50	YES	"	"	"	"		YES	(31.13/32.95) (0.13C) OUT (0.71)
3986	"	20:50	21:11	YES	"	"	"	"		YES	(21.99/25.6) (0.10C)
3987	"	21:17	21:48	"	"	"	"	"		YES	(28.97/30.31) (0.12C) OUT (0.93C)
3988	"	21:49	22:27	NO	HOME	"	"	"		YES	compton work
3989	"	22:27	23:00	NO	"	"	"	NO		YES	compton

slug 37

slug 37

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Run	Date	Start	End	Production?	Target	FFB?	Aq FFB?	BMW?	Sync?	Run End Properly?	Comments
✓ 3990	8/9/2019	23:00	23:29	NO	208Pb9 HOME	Yes	Yes	WO		Yes	compton. Skill 0.93C
✓ 3991	"	23:19	23:36	NO	HOME	Yes	Yes	NO		NO	compton. code CAC
✓ 3992	"	23:59	00:29	NO	"	"	"	"		Yes	compton. Analysis tool crashed
✓ 3993	08/10/19	00:30	1:00	NO	HOME	"	"	NO		Yes	compton
3994	08/10/19	01:22		Yes	208Pb9	Yes	Yes	Yes		NO	CODA CRASH
3995	"	01:46	02:16	"	"	"	"	"		Yes	(28.88/30.02 min) 0.12C
3996	"	02:17	2:48	"	"	"	"	"		"	(28.88/30.71 min) 0.12C
3997	"	02:53	03:22	"	"	"	"	"		"	(29.02/30.22 min) 0.12C
3998	"	03:24	3:55	"	"	"	"	"		"	(28.48/30.16 min) 0.12C
3999	"	03:56	4:27	"	"	"	"	"		"	(26.7/31.43 min) 0.11C
4000	"	04:29	4:59	"	"	"	"	"		"	(3.62/30.56 min) 0.12C (Not much of a beam)
4001	"	05:19	5:49	"	"	"	"	"		"	(27.70/29.96 min) 0.12C
4002	"	05:50	6:20	"	"	"	"	"		"	(28.93/30.07 min) 0.12C
4003	"	06:21	6:25	"	"	"	"	"		"	(3.05/3.45 min) 0.01
4004	"	07:23	7:54	"	"	"	"	"		"	(28.05/29.58 min) 0.12C Stopped the beam for compton!
4005	"	07:55	8:12	"	"	"	"	"		"	(4.21/4.21 min) 0.02C well or
4006	"	20:25	20:47	NO	HOME	off	off	off	Yes	Yes	Test run during molten measurement. Started
4007	08/11/19	04:00	04:30	Yes	208Pb9	ON	ON	ON	Yes	Yes	(24.08/29.90 min) First prod. run after molten test 0.11C
4008	"	4:31	4:57	"	"	"	"	"	Yes	"	(28.50/29.42 min) 0.12C
4009	"	05:01	5:32	"	"	"	"	"	"	"	Penguin crashed. 0.12C
4010	"	5:33	6:05	"	"	"	"	"	"	"	no penguin info. 0.12C
4011	"	6:08	6:38	"	"	"	"	"	"	"	(25.04/29.51 min) 0.11C THWP=OFF
4012	"	6:39	7:09	"	"	"	"	"	"	"	(27.69/29.19 min) 0.12C
4013	"	7:09	7:40	"	"	"	"	"	"	"	(27.78/29.84 min) 0.12C
4014	"	7:40	8:09	"	"	"	"	"	"	"	(25.19/27.12 min) 0.11C

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Run	Date	Start	End	Production?	Target	FFB?	Aq FFB?	BMW?	Sync?	Run End Properly?	Comments
4015	8/11/19	8:09	8:41	Yes	208P69	ON	ON	ON	Yes	✓	(18.18 / 20.18 mins) 0.08C
4016	8-11-19	8:43	9:20	"	"	ON	ON	ON	"	✓	(32.34 / 36.53 mins) 0.14C
4017	"	9:21	9:54	"	"	"	"	"	✓	✓	(29.63 / 33.55 mins) 0.12C
4018	"	9:55	10:25	"	"	"	"	"	✓	✓	Penguin crashed
4019	"	10:26	10:57	"	"	"	"	"	✓	✓	(29.71 / 31.02 mins) 0.13C
2116	"	11:21	11:23	Spot	OPR C-Hole	NO	NO	NO		✓	Wrong carbon hole target! ignore
2117	"	11:37	11:40	Spot	Production C-Hole	NO	NO	NO		✓	Good
21244	"	11:43	11:45	Spot	"	"	"	"		✓	"
4020	"	13:46	14:38	Prod	208P69	YES	YES	YES	YES	✓	Penguin crashed
4021	"	14:39	15:11	"	"	"	"	"	"	✓	"
4022	"	15:13	15:44	"	"	"	"	"	"	✓	(28.83 / 31.07 mins) 0.12C
4023	"	15:45	16:15	"	"	"	"	"	"	✓	(25.59 / 29.95 mins) 0.11C
4024	8/11/19	16:20	16:50	Yes	208P69	ON	ON	ON	Yes	✓	(24.90 / 29.95 mins) 0.10C
4025	"	16:51	17:21	"	"	"	"	"	"	✓	(27.81 / 29.40) 0.12C
4026	"	17:21	17:51	"	"	"	"	"	"	✓	(26.24 / 29.06) 0.11C
4027	"	17:52	18:11	"	"	"	"	"	"	✓	No beam for about 20 mins (3.5A) 19.73 0.01C
4028	"	18:13	19:07	"	"	"	"	"	"	✓	Beam back (43.92 / 45.52) 0.18C
4029	"	19:07	19:38	"	"	"	"	"	"	✓	(19.98 / 30.21) 0.08C
4030	"	19:39	20:09	"	"	"	"	"	"	✓	(18.51 / 19.31) 0.08C
4031	"	20:10	20:40	"	"	"	"	"	"	✓	(26.55 / 29.15) 0.11C
4032	"	20:41	21:14	"	"	"	"	"	"	✓	(31.33 / 32.96) 0.13C
4033	"	21:15	21:45	"	"	"	"	"	"	✓	(26.68 / 29.72) 0.11C
4034	"	21:46	22:16	"	"	"	"	"	"	✓	(20.35 / 23.22) 0.08C
4035	"	22:22	22:53	"	"	"	"	"	"	✓	(29.65 / 31.19) 0.12C
4036	"	22:54	23:24	"	"	"	"	"	"	✓	(22.05 / 22.85) 0.09C

Parity
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↓ Spot

↓ Rod
Slugs 39
Cont.

slug 40
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Orange this
slug

Charge #105
Aug

Run	Date	Start	End	Production?	Target	FFB?	Aq FFB?	BMW?	Sync?	Run End Properly?	Comments	Charge #105
4037	8/11/2019	23:31	00:04	Yes	208Pb9	ON	ON	ON	Yes	✓	66. Pangain died	0.24C
4038	"	00:05	00:13	Yes	"	"	"	"	"	✓	(6.61/6.98) 0.03C	0.24C
4039	8/12/2019	00:18	00:46	Yes	208Pb9	ON	ON	ON	Yes	✓	(26.25/27.81) 0.11C	0.35C
4040	"	00:47	01:15	Yes	"	"	"	"	"	✓	(26.18/27.83) 0.11C	0.46C
4041	"	01:16	01:44	Yes	"	"	"	"	"	✓	(24.80/27.81) 0.10C	0.56C
4042	"	01:46	02:14	Yes	"	"	"	"	"	✓	(27.23/28.03) 0.11C	0.67C
4043	"	02:15	02:43	Yes	"	"	"	"	"	✓	(24.88/27.82) 0.10C	0.77C
4044	"	02:44	03:12	Yes	"	"	"	"	"	✓	(23.62/27.52) 0.10C	0.87C
4045	"	03:13	03:41	Yes	"	"	"	"	"	✓	(25.84/27.75) 0.11C	0.98C
4046	"	03:42	04:11	Yes	"	"	"	"	"	✓	(26.10/27.29) 0.11C	1.09C
4047	"	04:12	04:40	Yes	"	"	"	"	"	✓	(26.54/27.78) 0.11C	1.20C
4048	"	04:44	05:12	Yes	208Pb9	ON	ON	ON	Yes	✓	(26.21/27.96) 0.11C	0.11C
4049	"	05:14	05:42	Yes	"	"	"	"	"	✓	(27.40/28.59) 0.12C	0.23C
4050	"	05:44	06:12	Yes	"	"	"	"	"	✓	(26.59/27.78) 0.11C	0.34C
4051	"	06:13	06:41	Yes	"	"	"	"	"	✓	(21.60/28.37) 0.09C	0.43C
4052	"	06:42	07:10	Yes	"	"	"	"	"	✓	(25.59/27.82) 0.11C	0.54C
4053	"	07:11	07:39	Yes	"	"	"	"	"	✓	(26.16/27.90) 0.11C	0.65C
4054	"	07:40	8:09	Yes	"	"	"	"	"	✓	(16.11/28.11) 0.07C	0.72C
4055	8/12/2019	8:10	8:38	Yes	208Pb9	ON	ON	ON	Yes	Yes	(15.05/28.29) 0.06	.78C
4056	8/12 "	8:39	9:16	Yes	"	"	"	"	"	yes	~.06	.84C
4057	8/12/19	9:17	9:31	PIRA scan	"	off	on	off	ok	yes	PIRA scan	
4058	8/12/19	9:32	10:01	Prod, yes	"	fixing it	on	off	ok	Yes	~.05	.89C
4059	"	10:02	10:30	Yes	"	on	on	on	ok	Yes	(27/28.2) 0.11	1.00C
4060	"	10:31	11:01	Yes	"	on	on	on	ok	Yes	(29/29.7) 0.12	1.12C
4061	"	11:02	11:33	Yes	"	on	on	on	ok	✓	(30.3/31.5) 0.13	1.25C

HWP UN

Run	Date	Start	End	Production?	Target	FFB?	A _q FB?	BMW?	Sync?	Run end properly?	Comments
4065	8/12/19	16:58	16:58	Jun L	P69						Beam position was off
4066	8/12/19	17:01	17:35	Yes	208 P69	✓	✓	no			Beam constant global beam profile
4067	8/12/19	17:36	18:03	Yes	208 P69	✓	✓	no/yes	✓	✓	19.01 / 29.30 0.08c 0.08
4068	8/12/19	18:14	18:43	Yes	208 P69	✓	✓	✓	✓	✓	(29.01 / 31.12) 0.12c 0.20
4069	"	18:44	19:15	Yes	"	✓	✓	✓	✓	✓	(30.07 / 31.27) 0.12c 0.32
4070	"	19:16	19:47	Yes	"	✓	✓	✓	✓	✓	(28.49 / 30.34) 0.12c 0.64
4071	"	19:48	20:21	Yes	"	✓	✓	✓	✓	✓	Penguin crashed ~ 0.12c 0.56
4072	"	20:23	20:53	Yes	"	✓	✓	✓	✓	✓	27.14 / 29.34 0.11
4073	"	20:54	21:25	Yes	"	✓	✓	✓	✓	✓	Penguin crashed ~ 0.11c 0.37
4074	"	21:26	22:04	Yes	"	✓	✓	✓	✓	✓	33.33 / 37.99 ~ 0.14c 0.37
4075	"	22:05	22:39	Yes	"	✓	✓	✓	✓	✓	29.09 / 31.23 0.12c 0.37
4076	"	22:38	23:10	Yes	"	✓	✓	✓	✓	✓	Penguin crashed ~ 0.12c 0.37
4077	"	23:11	23:29	Yes	"	✓	✓	✓	✓	✓	23.11 - 23.29 ~ 0.05c 1.00
4078	"	23:29	23:38	Yes	"	✓	✓	✓	✓	✓	~ 0.12 1.12
4079	8/13/19	00:00	0:01	Yes	"	✓	✓	✓	✓	✓	~ 0.12 1.12
4080	8/13/19	00:33	1:05	Yes	"	✓	✓	✓	✓	✓	Penguin crashed ~ 0.12c 1.24
4081	"	1:07	1:38	Yes	"	✓	✓	✓	✓	✓	HP change
4082	"	1:38	1:49	Yes	"	✓	✓	✓	✓	✓	sum 0.12
4083	"	1:51	2:23	Yes	"	✓	✓	✓	✓	✓	NO ⇒ CODA crash (1:49)
4084	"	2:24	2:34	Yes	"	✓	✓	✓	✓	✓	⇒ restarted beam and script
4085	"	2:35	2:55	Yes	"	✓	✓	✓	✓	✓	⇒ CODA crash ROX 24
4086	"	3:07	3:32	Yes	"	✓	✓	✓	✓	✓	" " " (parified)
4087	"	3:32	4:02	Yes	"	✓	✓	✓	✓	✓	0.10c (sum: 0.32+...)
4088	"	4:03	4:32	Yes	"	✓	✓	✓	✓	✓	0.11c (sum: 0.43+...)
4089	"	4:34	5:04	Yes	"	✓	✓	✓	✓	✓	0.11c (sum: 0.54+...)
4090	"	5:04	5:04	Yes	"	✓	✓	✓	✓	✓	0.11c (sum: 0.65+...)

Beam

HP change

Run	Date	Start	End	Production?	Target	FFB?	A _q FB?	BMW?	Sync?	Run end properly?	Comments
4090	8/12/19	5:04	5:35	Yes	Pb208-g	✓	✓	✓	✓	✓	0.11C (sum: 0.86C)
4091	"	5:35	6:06	Yes	"	✓	✓	✓	✓	✓	0.12C (sum: 0.88C)
4092	"	6:07	6:38	Yes	"	✓	✓	✓	✓	✓	0.10C (sum: 0.98C)
4093	"	6:37		Yes	"	✓	✓	✓	✓	NO	0.10C (sum: 0.98C) 0.10C (sum: 0.98C)
4094	"	10:15	10:30	Cosmics							COA Running Again? Test
4095	"	10:36	11:00	Cosmics							Test for Too
4096	"	11:20	12:00	Cosmics							COA seems to be running fine.
4097	"	12:00	12:02	Cosmics							Common DPA Test in Hall
4098	"	1:15	3:00	Cosmics							dog test ^{more than} 1-hour phone died
4099	"	3:05		Cosmics						NO	COA FAIL - JUNK
4100	"	4:00		Junk	Home						
4101	8/13/19	17:03	17:50	A-T tests	Carbon 1%	No	Yes	No	✓	JUNK BAD BEAM	VERTICAL Polarization on C1%
4102	8/13/19	18:27	19:44		"	"	"	"	"		No Beam Junk
4103	8/13/19	19:51	20:51		"	"	"	"	"		No Beam Junk
4104	8/13/19	20:59	21:13								Beam Ramping Junk
4105	8/13/19	21:14	21:26	Pita Scan	Carbon 1%	No	No	No		✓	PTA Scan
4106	8/13/19	21:31	21:42	A-T	Carbon 1%	?	Yes	No		FFB on/off Tunny	A-T Carbon 1% 28.82
4107	8/13/19	21:42	22:12	A-T	Carbon 1%	Yes	Yes	Yes	✓	✓	A-T Carbon 1% 50.34
4108	8/13/19	22:29	22:59	A-T	Carbon 1%	✓	✓	✓	✓	✓	IHWB-out 27.14/28.36
4109	8/13/19	23:01	23:22	A-T	Carbon 12/1%	✓	✓	✓	✓	✓	injector study / Move To Pb8
4110	8/13/19	23:51	00:01	A-T	208Pb8	✓	✓	✓	✓	✓	A-T Pb8 (2.642) 29.44) 0.11C
4111	8/14/19	00:01	0:32	"	"	✓	✓	✓	✓	✓	A-T Pb8 0.11C
4112	"	00:32		"	"	✓	✓	✓	✓	+	COA crashes
4113	"	1:19	1:39	"	"	✓	✓	✓	✓	+	"

Run	Date	Start	End	Production?	Target	FFB?	A _g FFB?	BMW?	Sync?	Run end properly?	Comments
4114	8/14/18	1:43	2:13	A-T	P6208-B	✓	✓	✓	✓	✓	AT lead HWP out.
4115	8/14/18	2:15	2:18	A-T	P6208-B	✓	✓	✓	✓	✓	HWP IN. COPACRAH.
4116	8/14/18	2:20	2:51	A-T	"	✓	✓	✓	✓	✓	Pacguinash.
4117	"	2:51	3:22	"	"	✓	✓	✓	✓	✓	Pacguinash.
4118	8/14/18	3:22	3:52	"	"	✓	✓	✓	✓	✓	
4119	"	3:53	4:23	"	"	✓	✓	✓	✓	✓	
4120	"	4:38	5:02	"	40Ca6%	✓	✓	✓	✓	online	20 → 75% 60 uA
4121	"	5:05	5:31	A-T	40Ca6%	✓	✓	✓	✓	✓	60 uA (Feedback broken even 70%)
4122	"	5:01		test	HALO	✓	✓	✓	✓	✓	HALO TARGET, 1 uA
2120/4126					HALO						x,y = (0.2, -1.7) ON FERMIS!
2121/4126					HALO						x,y = (0.2, -3.2)
4123	"	6:00			40Ca6%						
4124	8/14	6:03	6:11		40Ca6%	✓	✓	OFF			ramping current up.
4125	8/14	6:11	6:21		40Ca6%	✓	✓	OFF			mostly beam off.
4126	8/14/18	6:22	6:46		"	✓	✓	ON	✓	✓	
4127	8/14/18	6:48	6:55		"	✓	✓	ON	✓	✓	beam pos: x,y = (0.2, -4.2) at 65%
4128	8/14/18	6:55	7:23	A-T	"	✓	✓	ON	✓	✓	x,y = (0.2, -4.2)
4129	"	7:25	8:07	A-T	P6208-B	✓	✓	ON	✓	✓	
4130	"	8:10	8:40	A-T	P6-B	✓	✓	ON	✓	✓	HWP IN
4131	"	8:47	9:10	A-T	P6-B	✓	✓	ON	✓	✓	
4132	"	9:20	9:49	A-T	C190	✓	✓	✓	✓	✓	HWP OUT
4133	"	9:50	10:05	A-T	C190	✓	✓	✓	✓	✓	
4134	"	10:06	10:31	A-T	C190	✓	✓	✓	✓	✓	HWP IN
4135	"	10:35	1:05	Cosmics	C190	✓	✓	✓	✓	✓	Cosmics
4136	"	1:05	1:42	Cosmics		✓	✓	✓	✓	✓	Cosmics
4137	"	1:42	1:54	Cosmics	C190	✓	✓	✓	✓	✓	Cosmics

Run	Date	Start	End	Production?	Target	FFB?	A _q FB?	BMW?	Sync?	Run end properly?	Comments
4138	8/14	3:09	3:40	Cornies	C120	✓	✓	✓	✓	✓	Cornies
4139	8/14	3:57	16:02	Test	Home	✓	✓	✓	✓	✓	Cornie Power Test
4140	8/14	16:02	16:19	Parity check	Home	ON	ON	ON	Yes	Yes	Parity when check
4141	8/14	16:19	16:26	Parity check	Home	ON	ON	ON	Yes	Yes	Parity when check
4142	8/14	18:50	18:59	PITA scan	208P69	ON	OFF	OFF	Yes	Yes	PITA scan RHP=500
4143	8/14	19:06	19:36	Production	208P69	ON	ON	ON	Yes	Yes	(20.02/30.12) mins 0.02C
4144	8/14	19:37	20:07	Yes	208P69	ON	ON	ON	Yes	Yes	19.39/29.62 0.10C
4145	8/14	20:08	20:38	Yes	208P69	ON	ON	ON	Yes	Yes	(16.55/29.69) 0.07C
4146	8/14	20:39	20:42	"	"	"	"	"	"	Yes	(11.79/3.50) 0.01C
4147	8/14	21:02	21:08	NO	208P68	"	"	"	"	"	No beam b/c thunder storm! Not good beam
2122	8/14	21:20	21:31	NO	208P68	OFF	OFF	OFF	—	Yes	Spot check L JUNK
21268	8/14	21:20	21:31	NO	208P68	OFF	OFF	OFF	—	Yes	Spot check R JUNK
4148	8/14	21:37	22:07	Yes	208P68	ON	ON	ON	Yes	Yes	(23.80/29.67) 0.10C
4149	8/14	22:08	22:38	"	"	"	"	"	"	"	(25.47/29.50) 0.11C
4150	8/14	22:39	23:10	"	"	"	"	"	"	"	(29.04/31.33) 0.12C
4151	8/14	23:11	23:43	"	"	"	"	"	"	"	Parity crashed at end of run 0.43
4152	8/14	23:44	0:19	"	"	"	"	"	"	"	~ 0.13C sum=0.56C
4153	8/15	0:20	0:50	"	"	"	"	"	"	"	0.11C (sum=0.67C)
4154	8/15	0:51	1:21	"	"	"	"	"	"	"	0.11C (sum=0.78C)
4155	"	1:23	1:53	"	"	✓	✓	✓	✓	✓	0.10C (sum=0.88C)
4156	"	1:53	2:24	"	"	✓	✓	✓	✓	✓	0.12C (sum=1.00C)
4157	"	2:25	2:54	"	"	✓	✓	✓	✓	✓	0.09C (sum=1.09C)
4158	"	2:55	3:25	"	"	✓	✓	✓	✓	✓	0.05C (sum=1.14C)
4159	"	3:26	3:56	"	"	✓	✓	✓	✓	✓	0.05C (sum=1.19C)
4160	"	4:05	5:17	"	"	✓	✓	✓	✓	✓	HWP change (0.10C)

Run	Date	Start	End	Production?	Target	FFB?	A _g FFB?	BMW?	Sync?	Run end properly?	Comments
4161	8/15	5:18	5:28	Yes	PB208-8	✓				✓	NO BEAM
4162	8/15	5:28	5:39	Yes	"					✓	NO BEAM
4163	"	5:40	5:59	~	"					✓	"
4164	"	6:00	6:31	Yes	"	✓	✓	✓	✓	✓	0.08 C (sum: 0.18 C)
4165	"	6:44	7:09	Yes	"	✓	✓	✓	✓	✓	0.07 C (sum: 0.25 C)
4166	"	7:41	8:13	Yes	"	✓	✓	✓	✓	✓	FFB as stuck by 1st halt tot con 0.34 C
4167	"	8:14	8:50	Yes NO	PB208-8	✓	✓			NO	0.07 C NO BEAM
4168	"	8:51	9:16	NO	PB208-8					✓	NO BEAM
4169	"	9:16		yes	"	✓	✓	✓	✓	NO	DAQ CRASH
4170	"	9:35	10:09	yes	"	✓	✓	✓	✓	yes	0.09 C 0.43 C total
4171	"	10:09	10:36	yes	"	✓	✓	✓	✓	yes	0.05 C 0.58 C total
4172	"	10:37	11:39	NO	"	✓	✓	✓	✓	yes	NO BEAM
4173	"	12:00	12:40	NO	"	✓	✓	✓	✓	yes	NO BEAM
4174	"	12:54	13:27	yes	PB208-8	✓	✓	✓	✓	yes	0.07 C 0.63 C total
4175	"	13:27	14:02	yes	"	✓	✓	✓	✓	yes	0.04 C 0.67 C total
4176	"	14:02	14:36	NO	"					yes	NO BEAM
4177	"	14:39	15:12	yes	"	✓	✓		✓	yes	0.78 C total
4178	"	15:13	15:44	yes	"	✓	✓	✓	✓	yes	0.12 C 0.90 C total
4179	"	15:44	16:13	yes	"	✓	✓	✓	✓	yes	0.12 C (28' 28.9 ABU)
4180	"	16:15	16:40	yes	"	ON/OFF at end of	✓	✓	✓	yes	0.06 C 1.02
4181	"	16:42	17:13	yes	"	OFF then ON	✓	✓	✓	yes	15.6/24.9 1.08
4182	"	17:24	17:23	Na	HOME	✓	✓	✓	✓	yes	11C Swag 46 Finished 1.18C
4183	"	18:35	19:15	Na	HOME	✓	✓	✓	✓	yes	Compton Tests
4184	"	19:16	20:20	Na	HOME	✓	✓	✓	✓	yes	Compton Tests
4185	"	20:21	20:37	Na	HOME	✓	✓	✓	✓	yes	Compton Tests
21270				Na	PB-8						Sat 44 @ 5:44

START
5:06
44

Run	Date	Start	End	Production?	Target	FFB?	A _q FB?	BMW?	Sync?	Run end properly?	Comments	Σ
4186	8/15/19	20:54	21:23	Yes	PB-208-8	✓	✓	OFF-30N	✓	Yes	BMW OFF To Start .12C	.12C
4187	8/15/19	21:24	21:54	Yes	PB-208-8	✓	✓	✓	✓	Yes	(19.3/29.9) .08C	.20C
4188	8/15/19	21:55	22:25	Yes	PB-208-8	✓	✓	✓	✓	Yes	(27.5/29.3) .11C	.31C
4189	8/15/19	22:26	22:56	Yes	PB-208-8	✓	✓	✓	✓	Yes	(27.5/29.4) .11C	.42C
4190	8/15/19	22:57	23:29	Yes	PB-208-8	✓	✓	✓	✓	Yes	(28.1/30.4) .12C	.54C
4191	8/15/19	23:30	23:59	Yes	PB-208-8	✓	✓	✓	✓	Yes	(27.15/28.65) 0.11C	0.65C
4192	8/15/19	23:59	00:28	Yes	PB-208-8	✓	✓	✓	✓	Yes	(26.90/28.50) 0.11C	0.76C
4193	8/16/19	00:30	00:58	Yes	" "	✓	✓	✓	✓	Yes	(25.08/27.89) 0.10C	0.86C
4194	" "	00:59	1:00	Yes	" "	✓	✓	✓	✓	Yes	MCC dropped beam, run ended	—
4195	" "	01:04	01:10	Yes	" "	✓	✓	✓	✓	Yes	MCC interrupt: (5.63/6.13) 0.02C	0.88C
4196	" "	01:27	01:55	Yes	" "	✓	✓	✓	✓	Yes	(22.42/24.75) 0.09C	0.97C
4197	" "	01:56	02:26	Yes	" "	✓	✓	✓	✓	Yes	(28.10/29.83) 0.12C	1.09C
4198	" "	02:27	02:56	Yes	" "	✓	✓	✓	✓	Yes	(24.21/28.84) 0.10C	1.19C
4199	8/16/19	02:58	03:26	Yes	PB-208-8	✓	✓	✓	✓	Yes	(26.85/28.19) 0.11C	0.11
4200	" "	03:28	03:56	Yes	" "	✓	✓	✓	✓	Yes	(23.90/27.89) 0.10C	0.21
4201	" "	03:58	04:26	Yes	" "	✓	✓	✓	✓	Yes	(27.75/28.55) 0.11C	0.32
4202	" "	04:28	04:46	Yes	" "	✓	✓	✓	✓	Yes	prolonged beam down (0.91/17.49) 0.00C	0.32
4203	" "	04:54	05:06	NO	" "	✓	✓	✓	✓	Yes	MCC working on Hall B, 7µA beam	0.43
4204	" "	05:07	05:36	Yes	" "	✓	✓	✓	✓	Yes	(26.02/28.08) 0.11C	0.54
4205	" "	05:37	06:05	Yes	" "	✓	✓	✓	✓	Yes	(26.49/28.23) 0.11C	0.65
4206	" "	06:06	06:35	Yes	" "	✓	✓	✓	✓	Yes	(27.35/28.54) 0.11C	0.72
4207	" "	06:36	07:01	Yes	" "	✓	✓	✓	✓	Yes	(17.97/24.66) 0.07C	
4209	8-15	12:44	14:00	NO						yes	No beam: TEST	
4210	8/17/19	04:37	04:45	NO	Home						NO beam	

slows
48

Run	Date	Start	End	Production?	Target	FFB?	A _q FB?	BMW?	Sync?	Run end properly?	Comments
4211	8/17/19	05:25	05:37	No	Home	no		no		Yes	still no beam
4212	"	06:16	06:22	No	Home	no		no		Yes	you guessed it... no beam
4213	"	07:12	07:38	No	Home	no		no			Surprise! no beam!
4214	8/17/19	8:14	8:23	No	Home	off		no		Yes	No beam
4217	8/17/19	9:06	9:10	No	208 Pb8	Yes		off		Yes	spot check with diff
4215	8/17/19	9:10	9:40	Yes	208 Pb8	Yes	Yes	off off during run		Yes	production
4216	8/17/19	9:40		Yes	208 Pb8	Yes				No	DATA critical
4217	8/17/19	9:46	10:18	Yes	208 Pb8	Yes	Yes	Yes	Yes	Yes	production
4218	8/17/19	10:19	10:50	Yes	208 Pb8	Yes	Yes	Yes	Yes	Yes	Production
4219	8/17/19	10:51	11:14	Yes	208 Pb8	Yes	Yes	Yes		No	Production (CODA critical)
4220	8/17/19	11:33	11:43	No	208 Pb8	Yes				Yes	Junk, CODA test
4221	8/17/19	11:46	12:16	Yes	208 Pb8	Yes	Yes	Yes	Yes	Yes	Production - slug 49 IN
4222	8/17/19	12:17	12:47	Yes	208 Pb8	Yes	Yes	Yes	Yes	Yes	Production
4223	8/17/19	12:47		Yes	208 Pb8	Yes	Yes	Yes	Yes	No	Production (CODA critical)
4224	8/17/19	13:14	13:45	Yes	208 Pb8	Yes	Yes	Yes	Yes	Yes	Production
4225	8/17/19	13:46	14:17	Yes	208 Pb8	Yes	Yes	Yes	Yes	Yes	Production
4226	8/17/19	14:17	14:29	Yes	208 Pb8	Yes	Yes	Yes	Yes	Yes	Production
4227	8/17/19	14:45	14:46	No	Home	off	Yes	Y		Yes	Target Home ZOut
4228	8/17/19	15:09	15:26	No	208 Pb8	off		off		Yes	Pita scan
4229	8/17/19	15:26	16:00	No	208 Pb8	off		off			current calibration
4230	8/17/19	16:01	16:43	Yes	208 Pb8	Yes	Yes	Yes	Yes	Yes	Production (a pos u scan)
4231	8/17/19	16:49	17:17	Yes	208 Pb8	Yes	Yes	Yes	Yes	Yes	Production (a pos u scan)
4232	8/17/19	17:18	17:48	Yes	208 Pb8	Yes	Yes	Yes	Yes	Yes	Production
4233	8/17/19	17:48	18:18	Yes	208 Pb8	Yes	Yes	Yes	Yes	Yes	Production
4234	8/17/19	18:18	18:48	Yes	208 Pb8	Yes	Yes	Yes	Yes	Yes	Production

[illegible]

Run	Date	Start	End	Production?	Target	FFB?	A _q FB?	BMW?	Sync?	Run end properly?	Comments	Total C
4260	08/18/19	08:06	08:32	Yes	P68	✓	✓	✓	✓	✓	(21.49/25.33) 0.09C	0.29
4261	08/18/19	12:24	13:36	No	Home (N/A)	!	✗	✗	✓	✓	Junk Run while mullor.	0.37
4262	08/18/19	17:18	17:48	Yes	P68	✓	✓	✓	✓	✓	(19.02/29.80 mins) 0.08C	0.48
4264	08/18/19	17:49	18:19	Yes	P68	✓	✓	✓	✓	✓	(26.34/29.97) 0.11C	0.54
4265	08/18/19	18:20	18:50	Yes	P68	✓	✓	✓	✓	✓	(23.13/30.05) 0.11C	0.70
4266	08/18/19	18:51	19:21	Yes	P68	✓	✓	✓	✓	✓	(26.89/29.98) 0.11C	0.78
4267	08/18/19	19:22	19:52	Yes	P68	✓	✓	✓	✓	✓	(20.63/22.64) 0.08C Penguin crashed & recovered	0.78
4268	08/18/19	19:57	20:15	Yes	P68	✓	✓	✓	✓	NO	Coder crashed had to reset	0.78
4269	08/18/19	20:15	20:52	Yes	P68	✓	✓	✓	✓	NO	coder almost crashed due to an emass session	0.78
4270	08/18/19	20:22	20:52	Yes	P68	✓	✓	✓	✓	Yes	Penguin crashed again! RC had 2 instances of PPRX	0.78
4271	08/18/19	20:53	21:23	Yes	P68	✓	✓	✓	✓	✓	Penguin crashed again! RC had 2 instances of PPRX	0.78
4272	08/18/19	21:24	21:45	Yes	P68	✓	✓	✓	✓	✓	(23.30/29.60) 0.12C	0.78
4273	08/18/19	22:00	22:30	Yes	P68	✓	✓	✓	✓	✓	Hall's Septum triggered (16.98/21.12) 0.07C	0.78
4274	08/18/19	22:45	22:46	Yes	P68	OFF	✓	OFF	✓	✓	THW=OUT slag 52 (22.05/29.97) 0.09C	0.78
4275	08/18/19	22:46	23:17	Yes	P68	ON	✓	ON	✓	✓	FFB was still off from MCC firing beam	0.21C
4276	08/18/19	23:18	23:48	Yes	P68	✓	✓	✓	✓	✓	(29.12/30.72) 0.12C	0.32C
4277	08/18/19	23:49	00:10	Yes	P68	✓	✓	✓	✓	✓	(26.21/29.18) 0.11C	0.43C
4278	08/19/19	00:10	00:50	Yes	P68	✓	✓	✓	✓	✓	(27.27/29.45) 0.11C	0.54C
4279	"	00:50	01:20	Yes	P68	✓	✓	✓	✓	✓	(27.02/29.70) 0.11C	0.65C
4280	"	01:21	01:51	"	"	✓	✓	✓	✓	✓	(26.48/29.73) 0.11C	0.77C
4281	"	01:51	02:22	"	"	✓	✓	✓	✓	✓	(23.40/29.94) 0.12C	0.88C
4282	"	02:22	02:56	"	"	✓	✓	✓	✓	✓	Penguin crashed! 0.11C	1.00C
4283	"	02:57	03:27	"	"	✓	✓	✓	✓	✓	(23.20/33.48) 0.12C	1.11C
4284	"	03:28	03:58	"	"	✓	✓	✓	✓	✓	(21.45/29.99) 0.11C	1.22C
4285	"	04:01	04:31	"	"	✓	✓	✓	✓	✓	(27.91/30.70) 0.11C	1.22C
4286	"	04:32	05:02	"	"	✓	✓	✓	✓	✓	THW=IN Aug 53 (26.42/30.08) 0.11C	1.22C

4262 was
test run
before
production

Run	Date	Start	End	Production?	Target	FFB?	A _q FB?	BMW?	Sync?	Run end properly?	Comments
4286	8/19/2019	04:21	05:01	Yes	DS-203PES-D6	ON	ON	ON	Yes	✓	(25.12/27.23) 0.10C
4287	"	05:02	05:33	"	"	"	"	"	"	✓	(26.13/29.99) 0.11C
4288	"	05:33	06:04	"	"	"	"	"	"	✓	(26.66/30.19) 0.11C
4289	"	06:04	06:35	"	"	"	"	"	"	✓	(27.94/30.34) 0.11C
4290	"	06:36	07:06	"	"	"	"	"	"	✓	(28.47/29.63) 0.12C
4291	"	07:07	07:38	"	"	"	"	"	"	✓	(27.84/29.98) 0.11C
4292	"	07:39	08:09	"	"	"	"	"	"	✓	(27.38/29.97) 0.11C
4293	"	08:09	8:49	"	"	"	"	"	"	✓	0.13C
4294	8/19/2019	8:49	9:20	"	"	"	"	"	"	✓	0.12C
4295	"	9:20	9:50	"	"	"	"	"	"	✓	0.11C
4296	"	9:50	10:20	"	"	"	"	"	"	✓	0.11C
4297	"	10:20	10:57	"	"	"	"	"	"	✓	0.13C
4298	"	10:57	11:29	"	"	"	"	"	"	✓	(28.55/31.32) 0.12C
4299	"	11:29	12:00	"	"	"	"	"	"	✓	(28.60/30.21) 0.12C
4300	"	12:00	12:32	"	"	"	"	"	"	✓	(28.29/31.34) 0.12C
4301	"	12:33	13:03	"	"	Fail	"	"	"	✓	(27.83/29.78) 0.10C
4302	"	13:03	13:33	"	"	Fail	"	"	"	✓	0.08C
4303	"	13:33	13:58	"	"	Fail	"	"	"	✓	0.06C
4304	"	13:59	14:10	Shut	"	Shut ON	X	X	"	✓	FFB back on
4305	"	14		Shut	"	Shut ON	X	X	"	✓	No beam, split check run
4306	"	15:29	16:00	Yes	"	ON	X	X	"	✓	Check FFB on & Run 0.11C
4307	"	16:00	16:32	Yes Prod.	"	ON	ON	ON	"	✓	2 Run 0.12C
4308	"	16:33	16:58	Yes	"	off	ON	ON	"	✓	0.08
4309	"	16:59	17:18	Yes	"	off	ON	off	"	✓	BPM run calibration
4310	"	17:19	17:48	Yes	"	off	ON	ON	"	✓	Begin 55 SS SHWP IN 0.07

Run	Date	Start	End	Production?	Target	FFB?	A _q FB?	BMW?	Sync?	Run end properly?	Comments
4311	8/19/2019	17:55	---	NO	Pb 8	off	ON	off	✓	✓	Test D40 battery 50 blocks
4312	"	18:00	---	NO	"	off	ON	ON	✓	✓	Test 2, 1 samp / block
4313	"	18:33	18:39	Yes	"	off	ON	ON	✓	✓	Production restored
4314	"	18:48	19:45	NO, Junk	Home	"	"	"	✓	✓	Cumpton NO target Run
4315	"	19:00		Junk	Pb 8				✓	✓	Shift truncated Run
4316	"	20:03	20:30	Yes	Pb 8	off	ON	ON	✓	✓	Production (slug SS) + 0.10 C =
4317	"	20:30	21:00	Yes	"	"	"	"	✓	✓	+ 0.10 = 0.28
4318	"	21:00	21:30	"	"	"	"	"	✓	✓	+ 0.11 = 0.39 C
4319	"	21:58	22:30	"	"	"	"	"	✓	✓	+ 0.11 = 0.50 C
4320	"	22:31	23:00	"	"	"	"	"	✓	✓	+ 0.10 = 0.60 C
4321	"	23:00	23:30	"	"	"	"	"	✓	✓	+ 0.11 = 0.71 C
4322	"	23:30	00:00	"	"	"	"	"	✓	✓	+ 0.11 = 0.82 C
4323	8/20/19	00:01	00:30	Yes	"	off	ON	ON	✓	✓	(19.98/28.89) + 0.08 C
4324	"	00:30	01:00	Yes	"	"	"	"	✓	✓	(24.85/29.21) 0.10 C
4325	"	01:01	01:30	"	"	"	"	"	✓	✓	(17.79/28.91) 0.07 C
4326	"	01:31	02:00	"	"	"	"	"	✓	✓	(14.13/29.12) 0.06 C
4327	"	02:01	02:29	"	"	"	"	"	✓	✓	(0.00/26.46) 0.00 C
4328	"	03:22	03:25	NO, junk	"	off	ON	ON	✓	✓	NO beam
4329	"	03:26	03:55	Yes	"	off	ON	ON	✓	✓	(17.44/28.72) 0.07 C
4330	"	03:58	04:28	Yes	"	"	"	"	✓	✓	(24.97/29.94) 0.10 C
4331	"	04:29	04:58	Yes	"	"	"	"	✓	✓	(25.26/28.92) 0.10 C
4332	"	04:59	05:28	"	"	"	"	"	✓	✓	(20.68/28.93) 0.08 C
4333	"	05:29	05:59	"	"	"	"	"	✓	✓	(25.74/29.43) 0.11 C
4334	"	06:00	06:29	"	"	"	"	"	✓	✓	(17.82/29.05) 0.07 C
4335	"	06:30	06:57	"	"	"	"	"	✓	✓	(23.45/26.81) 0.10 C

Σ 0.90 C
1.00 C
1.07 C
1.13 C
1.20 C
0.10 C
0.20 C
0.28 C
0.39 C
0.46 C
0.56 C

Run	Date	Start	End	Production?	Target	FFB?	A _q FB?	BMW?	Sync?	Run end properly?	Comments
4336	8/20/19	06:58	07:27	Yes	Pb8	no	on	on	✓	Yes	(25.79/28.54) 0.11C
4337	"	07:28	07:56	"	"	"	"	"	✓	Yes	(26.15/28.40) 0.11C
4338	8/20	7:58	8:37	Yes	Pb8	off	Yes	Yes on	✓	Yes	.11C
4339	8/20	8:39	9:17	Yes	Pb8	off	Yes	Yes	✓	Yes	26.9/35.2, ne
4340	8/20	9:17	10:00	Yes	"	off	Yes	Yes	✓	Yes	26.9/31.5 ↑ .11C
4341	"	10:00	10:22	Yes	"	off	"	"	✓	Yes	IHW P OUT → .08
4342	"	10:23	11:00	Yes	"	on	Yes	Yes	✓	Yes	IHW P IN → .10
4343	"	11:01	11:34	Yes	"	on	Yes	"	✓	Yes	(24.5/26.7) .10
4344	"	11:35	12:10	✓	"	off	Yes	"	✓	Yes	(32.5/34.3) 0.13C
4345	"	12:10	12:50	✓	Pb8	on	yes	yes	✓	Yes	0.14
4346	"	12:52	13:24	✓	"	off	"	"	✓	Yes	.13
4347	"	13:24	13:55	✓	"	"	"	"	✓	Yes	.11C
4348	"	13:55	14:37	✓	"	"	"	"	✓	Yes	.85
4349	"	14:39	15:10	✓	"	"	"	"	✓	Yes	.97
4350	"	15:10	15:43	✓	"	off	Yes	Yes	✓	Yes	1.09
4351	"	15:43	16:08	yes	"	off	yes	yes	✓	Yes	1.10
4352	"	16:08	17:07	yes	"	off	"	"	✓	Yes	1.21
4353	"	5:15	5:50	yes	"	off	"	"	✓	Yes	0.08
4354	"	5:48	6:20	yes	"	off	"	"	✓	Yes	0.18
4355	"	6:20	6:54	yes	"	off	"	"	✓	Yes	0.08
4356	"	7:14	7:45	yes	"	off	"	"	✓	Yes	0.08
4357	"	7:45	20:15	yes	"	off	"	"	✓	Yes	(21.64/29.85) 0.08
4358	"	20:33	21:08	yes	"	off	"	"	✓	Yes	(19.96/29.89) 0.08
4359	"	21:09	21:39	yes	"	off	"	"	✓	Yes	(27.12/33.88) 0.11
4360	"	21:40	22:10	yes	"	off	"	"	✓	Yes	(21.16) 0.08
					"	"	"	"	✓	Yes	(26.16/29.90) 0.11C

IHW P IN →

60 min
Stitch

2 min
Con

Error in addi-
tion
1.11

Run #	Date	Start	End	Production?	Target	FFB?	A _g FB?	BMW?	Sync?	Run end properly?	Comments
4361	8/20/19	22:11	22:41	Yes	PhB	off	Yes	Yes	Yes	✓	(24.88/30.08) 0.10C
4362	"	22:42	23:12	"	"	"	"	"	"	✓	(25.10/30.01) 0.11C
4363	"	23:13	23:43	"	"	"	"	"	"	✓	(26.46/30.00) 0.11C
4364	"	23:44	00:17	"	"	"	"	"	"	✓	0.07
4365	8/21/19	00:16	00:48	--	PhB	off	ON	ON	Yes	✓	(4.38/27.77) 0.06
4366	"	00:48	01:18	"	"	"	"	"	--	✓	0.02
4367	"	01:19	01:49	"	"	"	"	"	"	✓	(23.99/30.05) 0.10
4368	"	02:04	02:19	"	"	"	"	"	--	✓	(13.16/14.29) 0.05
											Junk in (slug .59) (Junk)
4369	"	02:20	02:35	"	"	"	"	"	--	✓	(8.09/14.94) 0.03
4370	"	02:48	03:18	"	"	"	"	"	--	✓	(26.29/29.59) 0.11
4371	"	04:30	05:00	"	PhB	"	"	"	--	✓	(25.63/20.14) 0.11
4373	"	05:01	05:32	"	"	"	"	"	--	✓	(27.87/30.32) 0.12
4374	"	05:33	06:01	"	"	"	"	"	--		Junk
4375	"	06:05	06:00	Junk	Home	"	"	"	--		(25.62/27.46) 0.11
4376	8-20-19	9:44	10:15	test	Home	off	off	off		✓	just running data while mother began
4377	8-20-19	10:16	10:46	test	Home	off	off	off		✓	begin comparison of mother
4378	8-21-19	11:27	11:56	test	Home	off	off	off		✓	begin comparison of mother
4379	8-21-19	11:56	12:20	test	Home	off	off	off		✓	" and Maiderd highly off mid-run
4380	8-21-19	12:35	12:59	test	Home	off	off	off		✓	11 MD HV off (flipping IHUP)
4381	8-21-19	12:59	13:24	test	Home	off	off	off		✓	IHUP OUT, begin compare to mother
4382	8-21-19	13:37	13:57	test	Home	off	off	off		✓	IHUP IN, "
4383	8-21-19	14:02	14:30	test	Home	off	off	off		✓	IHUP OUT, "
4384	8-21-19	14:32		test	Home	off	off	off		✓	change to pickled uterine, IHUP out

22:13
Comparison
run started.

Target
0.08

mother

Run	Date	Start	End	Production?	Target	FFB?	A _q FB?	BMW?	Sync?	Run end properly?	Comments
4385	8-21-19	14:38	14:40	test	HOME	off	off	off		✓	molen comparison, PIRA 7000-endcopy
4386	8-21-19	14:42	14:44	test	HOME	off	off	off		✓	molen comparison test-
4387	8-21-19	14:55	14:56	test junk	HOME	off	off	off		✓	Rotation IHWP start GM mistake
4388	8-21-19	14:56	15:06	test	HOME	off	off	off		✓	Rotation IHWP scan
4389	8-21-19	15:08	15:19	test	HOME	off	off	off		✓	Rot off IHWP scan
4390	8-21-19	15:46	15:48	test	HOME	off	off	off		✓	RHWP sweep
4391	8-21-19	23:50	23:55	JUNK	HOME	off	off	off		✓	move sure priority DAO still works
4392	8-22	00:49	01:04	✓	P65	off	on	on		✓	
4393	8-22	01:16	01:41	✓	"	"	"	"	✓	✓	
4394	"	01:42	02:14	✓	"	"	"	"	"	✓	(28.62/30.68) 0.12
4395	"	02:14	02:44	"	"	"	"	"	"	✓	(29.12/30.10) 0.12
4396	"	02:47	03:18	"	"	"	"	"	"	✓	(26.27/30.77) 0.11
4397	"	03:19	03:50	"	"	"	"	"	"	✓	(26.11/30.26) 0.11
4398	"	03:51	04:21	"	"	"	"	"	"	✓	(27.90/30.21) 0.12
4399	"	04:22	04:53	"	"	"	"	"	✓	✓	(29.22/30.42) 0.12
4400	"	04:54	05:25	"	"	"	"	"	✓	✓	(28.64/30.77) 0.12
4401	"	05:26	05:57	"	"	"	"	"	✓	✓	(23.00/30.25) 0.10
4402	"	05:58	06:29	"	"	"	"	"	✓	✓	(18.20/31.47) 0.08
4403	"	06:30	07:02	"	"	"	"	"	✓	✓	(18.46/32.29) 0.08
4404	"	07:03	07:34	"	"	"	"	"	✓	✓	(29.71/30.72) 0.12
4405	"	07:35		"	"	"	"	"	✓	✓	0.12C 1.32
4407		13:27	16:13	Junk	HOME	off	off	off		✓	
4408	08/22/19	16:13	17:27	Junk	"	"	off	off		✓	(0.01/63) 0.00
4409	"	17:27	18:00	"	"	"	"	"		✓	

5/25/20
5/25/20

Total charge of current stage



Run	Slug	Date	Start	End	Target	FFB	A _q FB	BMW	BAU/Total	Q	Q _{total}	Comments
4410	60	8/22/19	18:00	18:06	Home	Off	OPR	OPR		0	0	
4411	60	"	18:06	18:08	"	"	"	"		0	0	
4412	60	"	18:06	18:15	"	"	"	"		0	0	
4413	60	"	18:15	18:23	"	"	"	"		0	0	
4414	60	"	18:23	18:28	"	"	"	"		0	0	
4415	60	"	18:28	18:34	"	"	"	"		0	0	
4416	60	"	18:34	18:35	"	"	"	"		0	0	
4417	60	"	18:35	18:49	"	"	"	"		0	0	
4418	60	"	18:49	18:50	"	"	"	"		0	0	
4419	60	"	18:50	18:55	"	"	"	"		0	0	
4420	60	"	18:55	18:58	"	"	"	"	00/362	0	0	
4421	60	"	18:58	19:30	"	"	"	"	0/31.0	0	0	
4422	60	"	19:30	19:46	"	"	"	"	0/1584	0	0	
4423	60	"	19:46	20:18	"	"	"	"		0	0	
4424	60	"	20:18	20:55	"	"	"	"	0/35.60	0	0	
4425	60	"	20:55	21:27	"	"	"	"	0/31.6	0	0	
4426	60	"	21:27	21:58	"	"	"	"	0/29.7	0	0	
4427	60	"	21:58	22:43	"	"	"	"				
4428	60	"	22:43	23:12	"	"	"	"	0/28.5	0	0	
4429	60	"	23:12	23:41	"	"	"	"	0/27.8	0	0	
4430	60	"	23:41	00:41	"	"	"	"		0	0	
4431	60	8/23/19	00:41	01:12	"	"	"	"		0	0	
4432	60	"	01:12	01:44	"	"	"	"		0	0	
4433	60	"	01:44	02:15	"	"	"	"		0	0	
4434	"	"	02:15	02:46	"	"	"	"		0	0	
4435	"	"	02:46	03:17	"	"	"	"		0	0	

Run	Slug	Date	Start	End	Target	FFB	A _q FFB	BMW	BAU/Total	Q	Q _{total}	Comments
✓ 4436	60	8.23	03:18	03:48	Home	off	off	off		0	0	
✓ 4437	60	"	03:51	04:22	"	"	"	"		0	0	
✓ 4438	60	"	04:23	04:45	"	"	"	"		0	0	
✓ 4439	60	8.23	05:47	06:17	Ph5	off	on	on	19.60/30.00	0.08	0.08	Panguin crashed.
✓ 4440	60	"	06:18	06:51	"	"	"	"		0.09	0.17	
✓ 4441	60	"	06:52	07:22	"	"	"	"	11.96/30.17	0.05	0.22	
✓ 4442	60	"	07:23	07:54	"	"	"	"	2.51/30.27	0.01	0.23	
✓ 4443	60	08/23/09	07:54	08:17	"	"	"	"	0.0/20.35	0.0	0.23	NU been
✓ 4444	60	"	08:21	08:36	"	"	"	"	0.0/35.24	0.0	0.23	NU been
✓ 4445	60	"	08:53	09:32	"	"	"	"	0/34	0.0	0.23	Target → HOME halfway through
✓ 4446	60	"	09:32	10:05	HOME	"	"	"	0/32.7	0.0	0.23	
✓ 4447	60	"	10:06	10:43	"	"	"	"	0/34.6	0.0	0.23	
✓ 4448	60	"	10:44	11:17	"	"	"	"	0/35	0.0	0.23	
✓ 4449	60	"	11:17	11:48	"	"	"	"	0/34	0.0	0.23	Ph5 target in halfway through
✓ 4450	60	"	11:49	12:01	Ph5	"	"	"	5.38/12.16	0.02	0.25	
✓ 4451	60	"	12:16	12:52	HOME	"	"	"	0.0/35.3	0	0.25	
✓ 4452	60	"	12:52	13:14	"	"	"	"	2.54/26.7	0	0.25	
✓ 4453	60	"	13:20	13:56	"	"	"	"	0/35	0	0.25	
✓ 4454	60	"	13:56	14:27	"	"	"	"	0/30.1	0	0.25	
✓ 4455	60	"	14:27	15:00	"	"	"	"	0/32	0	0.25	
✓ 4456	60	"	15:00	15:47	"	"	"	"		0	0.25	
✓ 4457	60	"	15:47	16:28	"	"	"	"	0/38.5	0	0.25	
✓ 4458	60	"	16:31	17:03	"	"	"	"	0/33.7	0	0.25	
✓ 4459	60	"	17:04	17:09	"	"	"	"	0/4.65	0	0.25	
✓ 4460	60	"	17:10	17:40	"	"	"	"	0/30.65	0	0.25	start new run at Coryn request
✓ 4461	60	"	17:42	18:43	"	"	"	"	0/30.47	0	0.25	

Run	Slug	Date	Start	End	Target	FFB	A _q FB	BMW	BAU/Total	Q	Q _{total}	Comments
✓ 4462	60	8/23	18:13	18:42	H8ME	OFF	00	00	0/29.8	0	0.25	
✓ 4463	60	8/23	18:44	19:00	H8ME	OFF	00	00	0/35.28	0	0.25	
✓ 4464	60	8/23	19:02	19:57	"	"	"	"	0/35.3	0	0.25	Compton test in progress
✓ 4465	60	8/23	19:58	20:39	"	"	"	"	0/	0	0.25	
✓ 4466	60	8/23	19:41									Quick junk run to enable
✓ 4467	60	8/23	21:00	21:49	P6.5	OFF	00	00	25.3/29.4	0.10	0.35	First production run in
✓ 4468	60	8/23	21:51	22:05	P6.5	OFF	00	00	26.8/28.89	0.11	0.46	auk/c
✓ 4469	60	8/23	22:22	22:53	P6.5	OFF	00	00	26.4/29.10	0.11	0.57	End Compton run 4430
✓ 4470	60	8/23	22:54	23:22	P6.5	OFF	00	00	20.7/28.1	0.08	0.65	Start Compton run 4431
✓ 4471	60	8/23	23:24	23:53	P6.5	OFF	00	00	23.7/29.5	0.09	0.74	
✓ 4472	60	8/23	23:54	00:25	P6.5	OFF	00	00	19.76/30.68	0.08	0.82	End Compton run 4431
✓ 4473	60	8/24	00:26	00:57	"	"	"	"	17.26/30.19	0.07	0.89	
✓ 4474	60	8/24	00:57	01:28	"	"	"	"	27.26/30.45	0.11	1.00	
✓ 4475	60	8/24	01:29	01:59	"	"	"	"	28.80/30.13	0.12	1.12	
✓ 4476	60	"	02:00	02:30	"	"	"	"	27.80/30.24	0.11	1.23	
												Flip. IHWP
4477	61	"	02:37	03:07	"	"	"	"	27.81/30.14	0.11	0.11	
4478	61	"	03:08	03:40	"	"	"	"	15.47/31.94	0.06	0.17	
4479	61	"	03:41	04:13	"	"	"	"	27.81/30.32	0.11	0.28	
4480	61	"	04:13	04:44	"	"	"	"	25.00/30.21	0.10	0.38	
4481	61	"	04:45	05:09	"	"	"	"	30.58/34.23	0.13	0.51	
4482	61	"	05:20	05:50	"	"	"	"	27.91/30.26	0.12	0.63	
4483	61	"	05:51	06:21	"	"	"	"	26.44/30.01	0.11	0.74	
4484	61	"	06:22	06:52	"	"	"	"	23.28/30.31	0.10	0.84	
4485	61	"	06:53	07:24	"	"	"	"	27.62/30.33	0.11	0.95	
4486	61	"	07:24	07:55	"	"	"	"	26.62/30.07	0.11	1.06	

Run	Slug	Date	Start	End	Target	FFB	A _q FB	BMW	BAU/Total	Q	Q _{total}	Comments
4487	61	8.24.19	07:56	08:27	PbS	off	on	on		0.11	1.17	last production with plug last (last)
4488	62	8.24.19	08:31	9:01	PbS	off	on	on	20.78/28.51	0.19	0.09	first run with plug Ch 2 (JIN)
4489	62	8.24.19	09:01	9:32	PbS	off	on	on	20.59/29.96	0.08	0.17	production
4490	62	8.24.19	09:33	09:46	PbS	off	on	on	0.00/13.66	0.00	0.17	MCC: "beam off for a little while" — JUNGK NS TEAM
4491	62	8.24.19	09:47	10:17	PbS	off	on	on	25.13/29.44	0.10	0.27	production
4492	62	8.24.19	10:18	10:49	PbS	off	on	on	27.02/23.14	0.09	0.36	production + inspection + IOC12 trip (10m12)
4493	62	8.24.19	10:51	11:04	PbS	off	on	on	11.04/12.14	0.05	0.41	at 20:00 shot for hell & turny
4494	62	8.24.19	11:52	17:35	PbS	off	on	off	—	—	0.41	TEST
4495	62	8.24.19	17:45	17:59	PbS	off	on	on	—	—	0.41	TEST
4496	62	8.24.19	18:01	18:31	PbS	off	on	on	27.03/30.17	0.11	0.52	Production
4497	62	8.24.19	18:32	19:00	PbS	on	on	on	26.88/28.57	0.11	0.63	Production (FFB on ~100000)
4498	62	8.24	19:01	19:30	PbS	on	on	on	24.05/27.61	0.11	0.73	Production (Compton Scan ~20000)
4499	62	8.24	19:30	20:00	PbS	on	on	on	28.56/29.57	0.12	0.85	Production
4500	62	8.24	20:00	20:30	PbS	on	on	on	24.41/27.58	0.10	0.95	Production
4501	62	8.24	20:30	21:00	PbS	on	on	on	27.20/29.15	0.11	1.06	Production
4502	62	8.24	21:00	21:30	PbS	on	on	on	27.20/29.99	0.11	1.17	Production
4503	63	8.24	21:34	22:06	PbS	on	on	on		0.11	0.11	Production (THP out)
4504	63	8.24	22:07	22:35	PbS	on	on	on	22.49/23.28	0.09	0.20	Production
4505	63	8.24	22:35	23:00	PbS	on	on	on	24.84/25.00	0.09	0.29	Production
4506	63	8.24	23:00	23:30	PbS	on	on	on	26.90/29.63	0.11	0.40	Production
4507	63	8.24	23:30	00:00	PbS	on	on	on	27.67/29.91	0.12	0.52	Production
4508	63	8.25	00:00	00:31	PbS	on	on	on	28.72/30.9	0.12	0.64	
4509	63	8.25	00:32	01:05	PbS	..	..	..	28.62/31.15	0.12	0.76	
4510	63	8.25	01:06	01:36	PbS	..	..	..	27.72/29.36	0.12	0.88	
4511	63	8.25	01:36	02:06	PbS	..	..	..	27.48/30.29	0.12	1.00	
4512	63	8.25	02:07	02:37	PbS	..	..	..	26.52/29.44	0.11	1.11	

Transfer

Run	Slug	Date	Start	End	Target	FFB	A _q FB	BMW	BAU/Total	Q	Q _{total}	Comments
4413	63	8/25	02:38	03:08	P6.5	on	on	on	26.54/29.51	0.11	1.22	flap 2HWP
4414	64	8/25	03:11	03:41	P6.5	on	on	on	26.54/30.7	0.11	0.11	
4415	64	"	03:43	04:14	"	"	"	"	27.49/30.24	0.12	0.23	
4416	64	"	04:15	04:46	"	"	"	"	26.23/31.30	0.11	0.34	
4417	64	"	04:48	05:18	"	"	"	"	27.82/30.4	0.12	0.46	
4418	64	"	05:19	05:49	"	"	"	"	28.34/30.08	0.12	0.58	
4419	64	"	05:49	06:20	"	"	"	"	27.31/30.55	0.12	0.70	
4420	64	"	06:21	06:51	"	"	"	"	22.34/30.64	0.09	0.79	
4421	64	"	06:52	07:25	"	"	"	"	29.70/33.11	0.12	0.91	
4422	64	"	07:26	07:56	"	"	"	"	28.09/32.73	0.12	1.03	start Compton 4455
4423	64	"	07:56	08:27	"	"	"	"	26.83/30.04	0.11	1.14	start Compton 4455
4424	64	"	08:28	08:58	"	"	"	"	21.9.23/30.0	0.08	1.22	stop Compton 4455
4425	65	"	09:58	09:25	"	"	"	"	15.71/16.89	0.07	1.29	waiting for trip before IN → out
4426	65	"	09:27	09:57	"	"	"	"	25.00/28.00	0.10	0.10	flip IN → out
4427	65	"	09:57	10:28	"	"	"	"	26.63/29.62	0.11	0.21	stop Compton 4455, end run
4428	65	"	10:28	10:58	"	"	"	"	23.45/29.83	0.10	0.31	stop Compton 4455, end run
4429	65	"	10:58	11:30	"	"	"	"	24.05/30.00	0.10	0.41	
4430	65	"	11:31	12:01	"	"	"	"	25.18/29.51	0.11	0.52	
4431	65	"	12:01	12:31	"	"	"	"	23.57/29.13	0.10	0.62	
4432	65	"	12:31	12:59	"	"	"	"	20/27	0.08	0.70	
4433	65	"	13:00	13:30	"	"	"	"	25.37/29.51	0.11	0.82	start Compton 4458
4434	65	"	13:30	14:00	"	"	"	"	26.58/29.23	0.11	0.93	
4435	65	"	14:00	14:30	"	"	"	"	25.90/29.43	0.11	1.04	stop Compton 4458, start 4459
4436	65	"	14:30	15:00	"	"	"	"	25.61/28.89	0.11	1.15	
4437	65	"	15:00	15:16	"	"	"	"	13.45/15.01	0.06	1.21	stop Compton

Run	Slug	Date	Start	End	Target	FFB	A _q FB	BMW	BAU/Total	Q	Q _{total}	Comments
4538	66	8/25			P65	ON	ON	ON				Stop Compton 4459
4538	66	8/25	15:21	15:52	P65	ON	ON	ON	28.95/30.54	0.12	0.12	Flip ± HWP OUT → IN
4539	66	8/25	15:53	16:30	P65	"	"	"		0.12	0.24	Production
4540	66	8/25	16:30	17:00	P65	"	"	"	25.17/29.45	0.11	0.35	Production
4541	66	8/25	17:00	17:30	P65	"	"	"	25.86/29.28	0.11	0.46	Production
4542	66	8/25	17:30	18:00	P65	"	"	"		0.11	0.57	Production
4543	66	8/25	18:00	18:30	P65	"	"	"	22.44/24.55	0.11	0.68	Production
4544	66	8/25	18:30	19:00	P65	"	"	"		0.10	0.78	Production
4545	66	8/25	19:00	19:30	P65	"	"	"	26.38/30.17	0.11	0.89	Production
4546	66	8/25	19:31	20:00	P65	"	"	"	20.35/28.08	0.09	0.97	Production
4547	66	8/25	20:00	20:30	P65	"	"	"	24.58/29.57	0.10	1.07	Production
4548	66	8/25	20:30	21:00	P65	"	"	"	24.13/28.68	0.1	1.17	Production
4549	66	8/25	21:00	21:30	P65	"	"	"	24.53/28.26	0.1	1.27	Production ~ (1.25c)
4550	67	8/25	21:30	22:00	P65	"	"	"	28.53/25.3	0.12	0.12	Production
4551	67	8/25	22:00	22:30	P65	"	"	"	27.31/29.48	0.11	0.23	Production
4552	67	8/25	22:30	23:00	P65	"	"	"	28.57/29.44	0.12	0.35	Prod.
4553	67	8/25	23:00	23:30	P65	"	"	"	26.12/29.30	0.11	0.46	Prod.
4554	67	8/25	23:31	00:00	P65	"	"	"	25.91/29.05	0.11	0.57	Prod.
4555	67	8/26	00:00	00:31	P65	"	"	"	24.24/30.58	0.10	0.67	
4556	67	8/26	00:33	01:07	P65	"	"	"	27.87/30.13	0.12	0.79	0.80
4557	67	8/26	01:08	01:39	--	"	"	"				
4558	67	8/26	01:39	02:10	--	"	"	"	27.43/30.40	0.12	0.92	
4559	67	8/26	02:11	02:42	--	"	"	"	27.69/30.70	0.11	1.03	
4560	67	8/26	02:42	03:12	--	"	"	"	27.32/30.70	0.12	1.15	
4561	67	8/26	03:12	03:42	--	"	"	"	25.79/30.13	0.11	1.26	

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Reactive Display
Keeps Freezing ~ 0.00

Run	Slug	Date	Start	End	Target	FFB	A _q FFB	BMW	BAU/Total	Q	Q _{total}	Comments
4561	68	8/26	03:15	03:45	P65	on	on	on	28.45/30.09	0.12	0.12	flip IHWP. (now in)
4562	68	8/26	03:46	04:16	P65	on	on	on	28.36/30.12	0.12	0.24	
4563	-	-	04:17	04:48	-	-	-	-	27.89/31.43	0.12	0.36	
4564	-	-	04:49	05:19	-	-	-	-	28.45/30.18	0.12	0.48	
4565	-	-	05:20	05:50	-	-	-	-	28.72/30.11	0.12	0.60	
4566	-	-	05:51	06:21	-	-	-	-	28.40/30.13	0.12	0.72	
4567	-	-	06:22	06:52	-	-	-	-	26.54/30.23	0.11	0.83	
4568	-	-	06:52	07:24	-	-	-	-	28.31/31.39	0.12	0.95	
4569	-	-	07:25	07:56	-	-	-	-	27.99/31.01	0.12	1.07	
4570	68	8/26	7:56	8:37	P65	on	yes	yes	13.8/22	0.06	1.13	in, next we flip
4571	69	8/26	8:40	9:12	"	"	"	"	29.8/31.9	0.13	1.13	now, IHWP out 0.13C
4572	69	"	9:13	9:36	"	"	"	"	21/22	0.08	0.21	stop for Moller polar.
4573												Junk,
4574	69	8/26	20:49	21:39	Home	No	Yes	No	No Beam			fine Beam in hall
4575	69	8/26	22:34	22:59	PL5	No	Yes	No	22.09/26.00	0.09	0.30	FFB & BMW off To Start
4576	69	8/26	23:01	23:20	PL5	Yes	Yes	Yes		0.07	0.37	
4577	69	8/26	23:21	23:50	PL5	Yes	Yes	Yes	26.56/28.90	0.11	0.48	
4578	69	8/26	23:51	00:22	PL5	Yes	Yes	Yes	28.21/30.99	0.12	0.60	
4579	69	8/27	00:23	00:54	P65	on	on	on	28.82/30.00	0.12	0.72	
4580	69	8/27	00:55	01:25	-	-	-	-	28.41/31.09	0.12	0.84	
4581	69	-	01:26	01:56	-	-	-	-	28.17/30.12	0.12	0.96	
4582	-	-	01:57	02:16	-	-	-	-	15.16/16.44	0.06	1.02	Coda loses communication to adaq1.
4583	-	-	02:18	02:49	-	-	-	-	27.77/30.76	0.12	1.14	But data is updating normally, still
4584	-	-	02:49	03:21	-	-	-	-	28.57/31.36	0.12	1.26	coda normally and restart it.
4585	70	-	03:23	03:55	-	-	-	-	28.32/32.03	0.12	0.12	Flip IHWP (now in).

Available Beam Used

ABU

Run	Slug	Date	Start	End	Target	FFB	A _q FB	BMW	BAU/Total	Q	Q _{total}	Comments
4586	70	8/27	03:56	04:26	P6.5	ON	ON	ON	26.28/30.48	0.11	0.23	
4587	70	8/27	04:27	04:58	P6.5	ON	ON	ON	27.99/30.62	0.12	0.35	
4588	70	8/27	04:58	05:29	P6.5	ON	ON	ON	25.94/30.12	0.11	0.46	
4589	--	--	05:29	06:00	--	--	--	--	26.89/30.25	0.11	0.57	
4590	--	--	06:00	06:31	--	--	--	--	23.62/30.20	0.10	0.67	
4591	--	--	06:31	07:02	--	--	--	--	27.93/30.96	0.12	0.79	
4592	--	--	07:02	07:33	--	--	--	--	27.77/30.18	0.12	0.91	
4593	--	--	07:34	08:04	--	--	--	--	27.26/30.11	0.11	1.02	
4594	70	8/27	8:04	8:41	P6.5	ON	ON	ON	30.16/30.10	0.13	1.15	
4595	70	8/27	8:41	9:10	P6.5	ON	ON	ON				CORA CRASH! 24.22 448 km/h
4596	71	8/27	9:16	9:49	P6.5	ON	ON	ON	22.28/30.03	0.09	0.09	Production - 1st run of slug
4597	71	8/27	10:03	10:36	Home	ON	ON	ON	0/33.14	0	0.09	Compton Test
4598	71	8/27	10:37		"	OFF	OFF	OFF	0/35.38	0	0.08	beam 5.14 beam for Compton Test
4599	71	8/27	11:14	11:51	"	"	"	"	0/20.1			
4600	71	8/27	11:52	12:13	"	"	"	"				
4601	71	8/27	12:52	13:23	Home	OFF	ON	OFF	28.49/34.15	0	0.08	Run during Compton check - 70.1A
4602	71	8/27	13:25	14:00	Home	OFF	ON	OFF	33.55/34.73	0	0.08	"
4603	71	8/27	14:01	14:31	Home	OFF	ON	OFF	25.84/28.28	0	0.09	
4604	71	8/27	14:32	15:02	Home	OFF	ON	OFF	5.57/32.17	0	0.09	beam lowered to 3.1A
4605	71	8/27	15:04		"	"	"	"				
4606	71	8/27	15:43	16:14	P6.5	OFF	ON	ON	--	0.09	0.18	Production 70.1A FFB OFF
4607	71	8/27	16:14	16:44	"	"	"	"	26.87/28.93	0.11	0.29	Production 70.1A FFB OFF
4608	71	"	17:07	17:07	P6.7				--	0	0.29	Prod.
4609	71	"	17:16	17:43	"	"	"	"	24.38/27.19	0.10	0.39	Junk
4610	71	"	17:45		"	"	"	OFF		NA	0.39	Prod. 70.1A
												Calibration, 70.1A FF has been ON

Not
Production

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Run	Slug	Date	Start	End	Target	FFB	A _q FFB	BMW	BAU/Total	Q	Q _{total}	Comments
4611	71	Aug 27	18:08	18:19	P67	OFF	OFF	OFF	Cond'n't record	NA	0.39	Calibration run, 70% A
4612	"	"	18:19	18:53	P67	OFF	ON	ON	28.6/32.5	0.12	0.51	Prod.
4613	48-53	14	18:53	19:25	P67	OFF	ON	ON	28.9/31.9	0.12	0.73	Prod. widths found large
4614	"	"	19:28	19:45	P67	ON	ON	"	Cond'n't record	0.07	0.80	FFB on, RFB on (these were off till now)
4615	71	"	19:49	20:15	"	OFF	"	ON	15.4/16.2	0.06	0.86	FFB/RF & FF turned off
4616	"	"	20:18	20:30	"	"	"	"	7.5/12.3	0.03	0.89	found raster was large since Calib. runs.
4617	"	"	20:33	21:03	"	"	"	"	25.3/29.7 7.5/12.3	0.11	1.00	Raster back to 7.2 x 12
4618	"	"	21:04	21:32	"	"	"	"	7.4/27.7	0.03	1.03	Att is well (finally) Beam steering (upst row)
4619	"	"	21:33	22:02	"	"	"	"	26.0/28.6	0.11	1.14	width continue to be large
4620	"	"	22:02	22:13	"	"	"	"	8.4/10.7	0.04	1.18	asked by Kent Exports to NOT change HWP yet
4621	"	"	23:20	23:50	P67	"	"	ON	27.5/29.2	0.12	0.12	accumulate. slugy 71 from here
4622	"	"	23:50	00:21	"	"	"	"	27.9/31.1	0.12	0.24	
4623	71	8/28	00:22	00:53	P67	off	on	on	28.0/30.40	0.12	0.36	
4624	71	8/28	00:53	01:24	P67	off	on	on	27.58/30.40	0.12	0.48	
4625	71	8/28	01:24	01:54	P67	off	on	on	25.0/29.93	0.11	0.59	
4626	71	--	01:55	02:25	--	--	--	--	27.26/30.14	0.12	0.71	
4627	--	--	02:26	02:56	--	--	--	--	17.25/20.34	0.07	0.78	
4628	--	--	03:10	03:40	--	--	--	--		0.12	0.90	
4629	--	--	03:41	04:16	--	--	--	--	31.34/35.27	0.13	1.03	
4630	--	--	04:18	04:48	--	--	--	--	27.22/30.47	0.12	1.15	
4631	--	--	04:49	05:19	--	--	--	--	28.19/29.56	0.12	1.27	
4632	72	--	05:20	05:50	--	--	--	--	27.79/29.79	0.12	0.12	flip HWP. (now in)
4633	72	--	05:51	06:21	--	--	--	--	29.11/30.24	0.12	0.24	
4634	72	--	06:22	06:52	--	--	--	--	28.23/30.14	0.10	0.34	
4635	--	--	06:53	07:23	--	--	--	--	28.12/30.69	0.12	0.46	

Run	Slug	Date	Start	End	Target	FFB	A _q FB	BMW	BAU/Total	Q	Q _{total}	Comments
4636	72	8/28	07:24	07:45	P67	off	on	on	26.16/30.17	0.1	0.57	
4637	72	8/28	7:55	8:30	P67	off	on	on	23.13/24.45	0.10	0.67	
4638	72	8/28	8:47	9:18	P67	off	off	off	0/30.09	0	0.67	Sunk run for Access
4639	72	8/28	9:19	9:48	Home	off	off	off	0/29.73	0	0.67	Sunk run for Access
4640	72	8/28	9:49	10:24	Home	off	off	off	0/35.17	0	0.67	Sunk run for Access
4641	72	8/28	10:25	10:55	Home	off	off	off	0/30.14	0	0.67	Sunk run for Access
4642	72	8/28	10:56	11:20	Home	off	off	off		0	0.67	Sunk run for Access
4643	72	8/28	11:28	12:05	Home	off	off	off		0	0.67	Sunk run for Access
4644	72	8/28	12:12	12:48	Cambridge	off	off	off	0/35	0	0.67	Test run
4645	72	8/28	12:48	13:07	Cambridge	off	on	on	0/18	0	0.67	Test run
4646	72	8/28	14:11	14:22	P67	off	on	on	0.67/11	0	0.67	Test, Detector Studies Neutral Voltage
4647	72	8/28	14:23	14:49	P67	off	on	on	23/25	0	0.67	Test, Detector Studies
4648	72	8/28	14:52	15:13	P67	off	on	on		0	0.67	Test, Detector Studies
4649	72	8/28	15:14	15:15	P67	off	on	off		0	0.67	Current Calibration
4650	72	8/28	15:16	15:32	P67	off	on	off		0	0.67	Current Calibration
4651	72	8/28	15:35	15:39	P67	off	on	off		0	0.67	Pedestal test
4652	72	8/28	15:41	15:56	P67	off	on	off		0	0.67	Current Calibration
4653	72	8/28	15:57		P67	off	on	off		0	0.67	Pedestal test 2000V HV
2172		8/28	17:16	17:16	P67	off	on	off				Low-current tracking mode ← problem
21322		8/28	17:16	17:33	P67	off	on	off				Low-current tracking mode
2173		8/28	17:19		P67	off	on	off				Low-current tracking mode ← problem
21323		8/28	17:38	17:46	P67	off	on	off				Low-current tracking mode
2175		8/28	17:44	17:46	P67	off	on	off				Low-current tracking, NO ROC 31
21334		8/28	17:46	17:54	P67	off	on	off				pedestal (no beam)
2177		8/28	17:52	17:54	P67	off	on	off				pedestal (no beam)
21335		8/28	17:55	18:04	P67	off	on	off				pedestal (no beam)

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some pedestal runs
started from detector hut

Run	Slug	Date	Start	End	Target	FFB	A _g FB	BMW	BAU/Total	Q	Q _{total}	Comments
L 2178		8/26	17:55	18:04	Pb7	off	on	off				low current tracking pedestal (no beam)
R 21326		8/26	16:06	16:23	Pb7	off	on	off				low current tracking
L 2179		8/26	16:06	16:23	Pb7	off	on	off				low current tracking
L 2181		8/28	20:27	20:38	Pb7	off	on	off				low current tracking
R 21330		8/28	20:27	20:38	Pb7	off	on	off				low current tracking
L 2182		8/28	20:42	21:02	Pb7	off	on	off				low current tracking
R 21331		8/28	20:42	21:02	Pb7	off	on	off				low current tracking
L 2184		8/28	21:21	21:25	Pb7	off	on	off				Carbon hole
R 21333		8/28	21:21	21:25	Pb7	off	on	off				Carbon hole
L 2185		8/28	21:36	21:42	Pb7	off	on	off				Carbon hole } after raster
R 21334		8/28	21:36	21:42	Pb7	off	on	off				Carbon hole } change to 18.1 x 4 mm ²
L 2186		8/28	21:56	22:01	Pb7	off	on	off				Carbon hole
R 21335		8/28	21:56	22:01	Pb7	off	on	off				Carbon hole
L 2187		8/28	22:01	23:10	Pb7	off	on	off				Carbon hole } after raster
R 21336		8/28	22:04	23:10	Pb7	off	on	off				Carbon hole } change to 18.1 x 6.2 mm ²
4655	72	8/28	23:04	23:21	Pb7	off	on	on		0.07	0.74	
4656	72	8/28	23:24	23:34	Pb7	on	on	on		0.04	0.78	
4657	72	8/28	23:34	23:47	Pb7	on	on	on		0.05	0.83	
4658	72	8/28										Note 71 uA. stop it quickly
4659	72	8/28	01:56	02:27	Pb7	off	on	on	28/30	0.12	0.95	
4660	72	8/29	02:29	03:00	Pb7	off	on	on	27.68/31.09	0.12	1.07	
4661	72	8/29	03:01	03:34	Pb7	off	on	on	29.34/33.07	0.13	1.20	
												Flip. IHWP. (now on).
4662	73	8/29	03:37	04:09	Pb7	off	on	on	22.40/30.57	0.10	0.10	
4663	73	8/29	04:09		Pb7	off	on	on	23.64/16.12	0.06	0.16	Code crashes. But program is still updating
4664	73	8/29	04:28	04:58	Pb7	off	on	on		0.05	0.21	

really long runs
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Run	Slug	Date	Start	End	Target	FFB	A _q FB	BMW	BAU/Total	Q	Q _{total}	Comments
4665	73	8/29	06:59	08:03	Pb7	off	on	on	27.35/29.45	0.12	0.33	
4666	73	8/29	05:31	06:02	Pb7	off	on	on	28.32/30.11	0.12	0.45	
4667	73	8/29	06:02	06:36	Pb7	off	on	on	30.29/33.30	0.13	0.58	
4668	..	..	06:36	07:07	..	..	..	..	27.32/30.08	0.12	0.70	
4669	..	..	07:07	07:39	..	..	..	..	29.45/31.25	0.13	0.83	
4670	..	..	07:39	..	..	..	..	..	11.5/1.65	0.01	0.84	ROC 26 crashed during run
4671	73	8/29	7:55	8:26	Pb7	OFF	ON	ON	26.28/30.1	0.11	0.95	few events XAI saturation
4672	73	8/29	8:27	8:02	Pb7	OFF	ON	ON	24.38/34.19	0.09	1.04	no beam for a few minutes
4673	73	8/29	8:02	8:35	Pb7	OFF	ON	ON	28.22/32.49	0.12	1.16	
4674	73	8/29	8:36	10:02	Pb7	OFF	ON	ON	24.25/26.35	0.10	1.26	Slightly shadow run
4675	73	8/29	10:30	10:53	Carbon hole	OFF	ON	ON	1 / 2.26	0	1.26	Short run on carbon hole at 70 uA
4676											1.26	Paul testing - Not production
4677	74	8/29	18:10	18:38	Pb7	OFF	ON	ON	25.3/28.3	0.11	0.11	
4678	74	"	18:39	19:09	"	"	"	"	28.5 / 29.5	0.12	0.23	
2214		8/30	02:03	02:05	Carbon hole	-						Spot++ at 0.5 uA; T1 ~ 1 MHz
2215		8/30	02:16	02:19	Carbon hole							Spot++ w/ T1 = 2.75 kHz
2216		8/30	02:21	02:24	Carbon hole							Spot++ w/ T1 = 2.5 kHz
2217		8/30	02:27	02:30	Carbon hole							Spot++ w/ T1 = 9.8 kHz
2218		8/30	02:33	02:34	Carbon hole							Spot++ w/ T1 = 5.8 kHz ps1=10
2219		8/30	02:34	02:37	Carbon hole							Spot++ w/ T1 = 5.8 kHz ps1=5
2220		8/30	02:38	02:40	Carbon hole							Spot++ w/ T1 = 2.8 kHz ps1=2
2221		8/30	02:45	02:47	Carbon hole							Spot w/ T1 = 2.8 kHz ps1=1

Reached by locking @ 0.5 uA then turning down with

Run	Slug	Date	Start	End	Target	FFB	A _q FB	BMW	BAU/Total	Q	Q _{total}	Comments
L HPS only												
4679	74	8/30	03:33	04:02	P67	off	ON	ON	25.1/26.6	0.11	0.34	RHRS is down.
4680	74	8/30	04:10	04:40	P67	ON	ON	ON	22.6/29.8	0.10	0.44	" BMW on 5 min cycles
4681	74	8/30	04:42		P67	ON	ON	ON	30.3/34.8	0.13	0.57	
4682	74	8/30	05:17	05:50	P67	ON	ON	ON	29.7/32.1	0.13	0.10	
4683	74	8/30	05:51	05:57	P67	ON	ON	ON	3.63/5.1	0.02	0.72	
L												
2222		8/30	06:28	06:30	carbon hole							Spot Check after Quad Adjustment
2223		8/30	06:36	06:40	carbon hole							Spot Check with raster height=6.5
L HPS only												
4684	74	8/30	06:57	06:59	P67							Beamline Quad "Test 1" setting
												Code Crashed
4685												JUNK: DAQ Problems
4686												JUNK: DAQ Problems
4687	74	8/30	07:09	07:30	P67	ON	ON	ON	15.8/17.5	0.07	0.79	Beamline Quad "Test 1" setting
4688	74	8/30	07:31	07:52	P67	ON	ON	ON	18.6/21.4	0.08	0.87	Beamline Quad "Test 1" setting
4689	74	8/30	9:43	10:06	P67	ON	ON	ON	21.2/22.8	0.09	0.98	checking dithering slope
4691	74	8/30	22:59	23:17	P67	OFF	OFF	ON	16.76/18.79	0.06	1.04	Swim 3m
4692	74	"	23:17	23:40	"	"	"	"	19.55/21.15	0.08	1.12	
4693	74	"	23:45	23:54	"	ON	"	"		0.03	1.15	FPD Not stable
4694	74	"	23:59	00:15	"	ON	"	"		0.08	1.23	FPD has stabilized
2229			01:00	01:03	carbon hole	OFF						Spot R: Raster 18.5x7.5
21355			01:00	01:03	carbon hole	OFF						Spot R: Raster 18.5x7.5
L R												changed transport optics
4695	74	8/31	01:28	01:51	P67	OFF	ON	ON		0.09	1.32	Reverted transport optics
4696	75	8/31	01:57	02:27	P67	OFF	ON	ON	25.6/28.4	0.11	0.11	
4697	75	8/31	02:29	03:05	P67	OFF	ON	ON	30.7/34.8	0.13	0.24	
4698	75	8/31	03:06	03:38	P67	OFF	ON	ON	25.7/31.7	0.11	0.35	

Run	Slug	Date	Start	End	Target	FFB	A _q FB	BMW	BAU/Total	Q	Q _{total}	Comments
4699	75	8/31	03:40	04:14	P67	OFF	ON	ON	28.6/32.1	0.12	0.47	
4700	75	8/31	04:15	04:47	P67	OFF	ON	ON	27.2/30.1	0.12	0.59	
4701	75	8/31	04:48	05:18	P67	OFF	ON	ON	22.8/28.3	0.10	0.69	
4702	75	8/31	05:18	05:49	P67	OFF	ON	ON	25.7/28.6	0.11	0.80	
4703	75	8/31	05:51	06:21	P67	OFF	ON	ON	24.9/28.6	0.11	0.91	
4704	75	8/31	06:22	06:53	P67	OFF	ON	ON	19.3/29.8	0.08	0.99	
4705	75	8/31	06:54	07:26	P67	OFF	ON	ON	27.1/30.4	0.12	1.11	
4706	75	8/31	07:28	07:51	P67	OFF	ON	ON	18.8/21.5	0.08	1.19	At about evl 200k, had had only xA beam in INT
4707	75	8/31	07:54	08:02	P67	OFF	ON	ON	5.1/6.0	0.02	1.21	"fix H _{03"} New THUP, old slug #
4708	75				Home		ON	ON				
4709	75				Home		ON	ON				
4710	75				Home		ON	ON				
4711	75				Home		ON	ON				Tune 2
4712	75				Home		ON	ON				
4713	75				Home		ON	ON				Tune 3
4714	75				Home		ON	ON				
4715	75				Home		ON	ON				Tune 4
4716	75				Home		ON	ON				
4717	75				Home		ON	ON				
4718	75				Home		ON	ON				
4719	75				Home		ON	ON				
4720	75	9/1/19	21:13	21:27	P67	OFF	ON	ON				Prod (still slug 75)
4721	75	9/1/19	21:31									

1st time

2nd time

3rd time

4th time

5th time

6th time

7th time

Comp 4520

Run	Slug	Date	Start	End	Target	FFB	A _q FB	BMW	BAU/Total	Q	Q _{total}	Comments
4521	76	9/1	22:08	22:25	P67	NO	yes	yes		0.05	0.05	BMW Sam Fixed, Run ended Early
4723	76	9/1	22:25	23:00	P67	NO	yes	yes		0.12	0.17	
4724	76	9/1	23:00	23:30	"	"	"	"	↑ 28.8/31.45	0.11	0.128	BMW/JOT = 25.99 / 27.33
4725	76	9/1	23:30	00:00	"	"	"	"	26.63/28.56	0.11	0.39	
4726	76	9/2	00:00	00:30	"	"	"	"	27.2/28.1	0.12	0.51	
4727	76	9/2	00:31	01:04	P67	OFF	ON	ON	28.9/30.0	0.12	0.63	
4728	76	9/2	01:05		P67	OFF	ON	ON		0.13	0.76	
4729	76	9/2	01:38	02:14	P67	OFF	ON	ON	32.4/35.8	0.14	0.90	
4730	76	9/2	02:15	02:45	P67	OFF	ON	ON	26.2/28.7	0.11	1.01	
4731	76	9/2	02:46	03:17	P67	OFF	ON	ON	25.8/28.9	0.11	1.12	
4732	76	9/2	03:18	03:46	P67	OFF	ON	ON	27.3/28.1	0.12	1.24	
4733	76	9/2	03:47	03:50	P67	OFF	ON	ON	0.89/0.89	0.0	1.24	DAQ crashed.
4734	76	9/2	03:53	04:23	P67	OFF	ON	ON	21.0/29.9	0.09	1.33	
4735	77	9/2	04:30	05:04	P67	OFF	ON	ON	31.1/34.5	0.13	0.13	
4736	77	9/2	05:05	05:35	P67	OFF	ON	ON	21.6/29.3	0.09	0.22	
4737	77	9/2	05:35	06:08	P67	OFF	ON	ON	17.0/32.7	0.07	0.29	No beam for last half
4738	77	9/2	06:20	06:49	P67	OFF	ON	ON	17.0/27.8	0.07	0.36	Beam unstable at start.
4739	77	9/2	06:50	07:21	P67	OFF	ON	ON	27.6/30.6	0.12	0.48	↑
4740	77	9/2	07:21	07:52	P67	OFF	ON	ON	28.4/30.8	0.12	0.60	↑
4741	77	9/2	07:53	8:24	P67	OFF	ON	ON	27.7/30.6	0.12	0.72	IHWIP out
4742	77	9/2	8:24	8:57	P67	off	on	on	31.2/33.1	0.13	0.85	↓
4743	77	"	8:58	9:54	"	"	"	"	30.9/35.3	0.13	0.98	
4744	77	"	9:34	10:04	"	"	"	"	28.6/31.4	0.12	1.10	
4745	77	"	10:07	10:39	"	"	"	"		0.12	1.23	← 1.23C
4746	78	"	10:41	11:12	"	"	"	"	25.3/32.0	0.11	0.11	IHWIP IN
4747	78	9/2	11:13	11:43	P67	off	on	on	28.8/30.6	0.12	0.23	↓

Compt. Hempted

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somewhere

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Compton

Compton
run

Run	Slug	Date	Start	End	Target	FFB	A _q FB	BMW	BAU/Total	Q	Q _{total}	Comments
4748	78	9/2/19	11:44	12:16	P67	off	on	on	29.2/31.9	.12	.35	Production
4749	78	9/2	12:17	12:48	P67	off	on	on	27.7/30.7	.12	.47	
4750	78	9/2	12:49	13:14	P67	"	"	"	29.4/30.7	.12	.59	
4751	78	"	13:20	13:55	"	"	"	"	30.5/34.4	.13	.72	
4752	78	"	13:55	14:09	"	"	"	"	12.5/13	.05	.77	good run, just brief
4753	78	"	14:09	14:55	"	"	"	"		0.1	.87	not much beam
4754	78	"	14:55		"	"	"	"	34/38	0.14	1.01	
4755	78	"		15:53	"	"	"	"		.07	1.18	Cargyn modifies flipper
4756	79	"	15:56	16:26	P67	off	on	on	28.52/30.1	0.12	0.12	new IHWP/slug
4757	79	"	16:26	16:55	P67	off	on	on	0.72/28.29	0.05	0.17	Production, Big Beam trip
4758	"	"	16:56	17:27	P67	off	on	on	0.131	0	0.17	Prod, no beam at start beam issue
4759	"	"	17:28	17:51	P67	off	on	on	0.123	0	0.17	Prod, no beam Start beam issue
4760	"	"	17:52	18:23	P67	off	on	on	27.45/30.8	0.12	0.29	Production with beam
4761	"	"	18:24	19:01	P67	off	on	on		0.14	0.43	Production
4762	"	"	19:02	19:37	P67	off	on	on				Production, Feedback trouble
4763	"	"	19:38	20:28	P67	off	on	on	26.7/30.4	0.11	0.54	Production, no beam, need to see
4764	"	"	20:29	20:52	P67	off	on	on	17/21	0.08	0.62	Production, beam ended to see
4765	"	"	20:53	21:23	P67	off	on	on	28/29	0.12	0.74	Production
4766	"	"	21:23	21:49	P67	off	on	on	25.1/25.6	0.11	0.85	Production 204
4767	"	"	21:59	22:30	P67	off	on	on	28/30	0.12	0.97	Production after 40C
4768	"	"	22:30	23:04	P67	off	on	on	32/33	0.14	1.11	Production
4769	"	"	22:31	23:38	P67	off	on	on	31/32	0.13	1.24	Production
4770	80	9/3	01:07	01:37	P67	off	on	on	27/30	0.11	0.11	Production, Failed and end
4771	80	9/3	01:41	02:11	P67	off	on	on	26/29	0.11	0.22	Production
4772	80	9/3	02:12	02:44	P67	off	on	on	29/32	0.12	0.34	Production
4773	80	9/3	02:46		P67	off	on	on	27/30	0.12	0.46	Production

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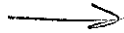
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Run	Slug	Date	Start	End	Target	FFB	A _q FB	BMW	BAU/Total	Q	Q _{total}	Comments
4774	80	9/3	0317	0348	P67	OFF	ON	ON	23/31	0.10	0.56	Production
4775	80	9/3	0349	0420	P67	OFF	ON	ON	29/31	0.12	0.65	Production
4776	80	9/3	0421	0452	P67	OFF	ON	ON	29/30	0.12	0.80	End time = 0451 Production
4777	80	9/3	0452	0522	P67	OFF	ON	ON	28/30	0.12	0.92	Production
4778	80	9/3	0522	0552	P67	OFF	ON	ON	29/30	0.12	1.04	Production
4779	80	9/3	0553	0623	P67	OFF	ON	ON	29/30	0.12	1.16	Production
4780	80	9/3	0624	0655	P67	OFF	ON	ON	25/31	0.10	1.26	Production Beam type for QE
4781	81	9/3	0657	0727	P67	OFF	ON	ON	29/30	0.12	0.12	Production
4782	81	9/3	0728	0759	P67	OFF	ON	ON	29/31	0.12	0.24	Production
4783	81	9/3	0800	8:32	P67	OFF	ON	ON	29/3234	0.13	0.37	production beam production
4784	81	9/3	0835	9:07	P67	OFF	ON	ON	30.073187013	0.13	0.50	production Beam on 15 minutes delay
4785	81	9/3	09:10	9:41	P67	OFF	ON	ON	28.12/30	0.12	0.62	production
4786	81	9/3	09:42	10:12	P67	OFF	ON	ON	27/30	0.11	0.73	production
4787	81	9/3	10:13	10:43	P67	OFF	ON	ON	28/30	0.12	0.85	production
4788	81	9/3	10:44	11:15	P67	OFF	ON	ON	28/39	0.12	0.97	production
4789	81	9/3	11:20	11:43	P67	OFF	ON	ON	21/23	0.09	1.06	production change the V. apert value
4790	81	9/3	11:49	12:20	P67	OFF	ON	ON	28/30	0.12	1.18	production
4791	82	9/3	12:15	1:32	home	OFF	ON	ON	0	0	0	inspection test → thwp out.
4792	"	9/3			home	OFF	ON	OFF				inj test
4793	"	9/3	15:40	16:14	home	OFF	ON	OFF				Test (inj.)
4796	82	9/4	0125	0155	P67	OFF	ON	ON	28/30	0.12	0.12	Production
4797	82	9/4	0156	0227	P67	OFF	ON	ON	29/31	0.12	0.24	Production
4798	82	9/4	0228	0258	P67	OFF	ON	ON	28/30	0.12	0.36	Production
4799	82	9/4	0259	0329	P67	OFF	ON	ON	29/30	0.12	0.48	Production
4800	82	9/4	0330	0400	P67	OFF	ON	ON	29/30	0.12	0.60	Production



Run	Slug	Date	Start	End	Target	FFB	A _q FB	BMW	BAU/Total	Q	Q _{total}	Comments
4554 ↓	4801	82 9/4	0401	0431	P67	OFF	ON	ON	28/30	0.12	0.72	Production
4555 ↓	4802	82 9/4	0432	0455	P67	OFF	ON	ON	16/16.5	0.07	0.79	Production, process crashed
	4803	82 9/4	0456	0527	P67	OFF	ON	ON	28/30	0.12	0.91	Production
	4804	82 9/4	0528	0558	P67	OFF	ON	ON	27/29	0.11	1.02	Production
4556 ↓	4805	82 9/4	0558	0630	P67	OFF	ON	ON	25/31	0.11	1.13	Production
4557	4806	82 9/4	0631	0653	P67	OFF	ON	OFF	12/22	0.04	1.17	Calibration, BCM
4558	4807	82 9/4	0654	0703	P67	OFF	ON	OFF	8/8	0.03	1.20	Calibration, BPM
4559	4808	82 9/4	0705	0719	P67	OFF	OFF	OFF	12/13	0.05	1.25	PITA Scan
4560	4809	83 9/4	0720	0750	P67	OFF	ON	ON	28/29	0.12	0.12	Production
	4810	83 9/5	08:32	03:13	HOUSE	OFF	OFF	OFF	—	—	—	TEST/POSSIBLE TEST - RAMPING I
	4811	83 9/5	03:18	03:50	CARBON	OFF	OFF	OFF	—	—	—	JUNK
	4812	83 9/5	03:52	04:07	P67	OFF	ON	ON	1.75/2.5	0.04	0.16	PRODUCTION BMW / AMIN PHASE
4562	4813	83 9/5	04:08	04:37	P67	OFF	ON	ON	25/28	0.11	0.27	PRODUCTION - End of run failed
	4814	83 9/5	04:43	05:12	P67	OFF	ON	ON	26/28	0.11	0.38	PRODUCTION
	4815	83 9/5	05:13	05:43	P67	OFF	ON	ON	28/29	0.12	0.50	PRODUCTION
4564	4816	83 9/5	05:44	06:15	P67	OFF	ON	ON	23/30	0.10	0.60	PRODUCTION
	4817	83 9/5	06:16	06:46	P67	OFF	ON	ON	26/30	0.11	0.71	PRODUCTION
	4818	83 9/5	06:47	07:18	P67	OFF	ON	ON	29/31	0.13	0.84	PRODUCTION
4565	4819	83 9/5	07:19	07:53	P67	OFF	ON	ON	27/33	0.11	0.95	PRODUCTION
	4820	83 9/5	07:54	08:20	P67	OFF	ON	ON	21/24	0.07	1.05	PRODUCTION
	4821	83/ 9/5	08:20	08:47	P67	OFF	ON	ON	20/24	0.07	1.13	Production / End 83
	4822							test				BMW test, no beam
	4823							test				BMW test, no beam
	4824	84	9/5									
	2316											No target Raster 7.5x16
	21424											No target Raster 7.5x16

PROB
JUNK

Run	Slug	Date	Start	End	Target	FFB	A _q FB	BMW	BAU/Total	Q	Q _{total}	Comments
4568	84	5 SEP	16:15	16:49	P67	OFF	ON	ON	31.0/34.6	0.13	0.13	Compton rates start high.
	84	5 SEP	16:51	17:26	P67	OFF	ON	ON	33.7/35.5	0.14	0.27	
	84	5 SEP	17:28	17:58	P67	OFF	ON	ON	28.2/29.8	0.12	0.39	
4569	84	5 SEP	17:59	18:30	P67	OFF	ON	ON	28.2/30.9	0.12	0.51	
4570	84	5 SEP	18:52	18:59	P67	OFF	ON	ON		0.02	0.53	adag1 froze, CODA stuck, KCODA
	84	5 SEP	19:01	19:32	P67	OFF	ON	ON	28.6/31.1	0.12	0.65	
	84	5 SEP	19:33	20:18	P67	OFF	ON	ON	10.3/45.1	0.04	0.69	Beam off partway through.
4571	84	5 SEP	21:19	22:01	P67	OFF	ON	ON	37.6/41.6	0.16	0.85	
	84	5 SEP	22:02	22:43	P67	OFF	ON	ON	37.7/41.2	0.16	1.01	
	84	5 SEP	22:45	23:17	P67	OFF	ON	ON	30.5/32.6	0.13	1.14	
4572	84	5 SEP	23:19	23:50	P67	OFF	ON	ON	28.6/30.4	0.12	1.26	
	84	5 SEP	23:51	23:59	P67	OFF	ON	ON		0.03	1.29	adag1 froze, CODA stuck, KCODA
4573	85	6 SEP	00:04	00:36	P67	OFF	ON	ON	29.5/31.5	0.12	0.12	
	85	6 SEP	00:37	01:06	P67	OFF	ON	ON	26.9/28.4	0.11	0.23	
	85	6 SEP	01:07	01:34	P67	OFF	ON	ON	23.2/25.8	0.10	0.33	
4574	85	6 SEP	01:35	02:05	P67	OFF	ON	ON	28.7/30.5	0.12	0.45	Compton crashed; Beam Trip
4575	85	6 SEP	02:05	02:41	P67	OFF	ON	ON	27.3/28.6	0.12	0.57	
	85	6 SEP	02:43		P67	OFF	ON	ON	23.1/24.5	0.10	0.67	Cuda BCH began from Aq feedback
							ON	ON		0	0.67	TURK
	85	6 SEP	03:16	3:55	P67	OFF	ON	ON		0.11	0.19	estimated charge
	85	6 SEP	03:55	4:25	P67	OFF	ON	ON	26.0/28.8	0.11	0.89	
4576	85	6 SEP	04:26	4:55	P67	OFF	ON	ON	26.0/28.5	0.11	1.00	
	85	6 SEP	04:56	5:28	P67	OFF	ON	ON	79.3/31.1	0.13	1.13	
	85	6 SEP	05:29	6:00	P67	OFF	ON	ON	28.0/29.2	0.12	1.25	Might have deadtime - did not end properly
4577	86	6 SEP	06:06	6:57	P67	OFF	ON	ON	28.7/30.4	0.12	0.12	
	86	6 SEP	06:58	07:08	P67	OFF	ON	ON	25.1/29.3	0.11	0.23	

Compton
run
4577
(Compton)

Run	Slug	Date	Start	End	Target	FFB	A _q FB	BMW	BAU/Total	Q	Q _{total}	Comments
4850	86	6 SEP	07:09	07:38	Pb7	OFF	ON	ON	25.71/28.14	0.11	0.34	
4851	86	6 SEP	07:38	8:10	Pb7	OFF	ON	ON	27.11/31.52	0.12	0.46	compton 8:22-8:34
4852	86	6 SEP	08:11	08:40	Pb7	OFF	ON	ON	26.5/29.02	0.11	0.57	finger scintillations were off
4853	86	6 SEP	08:41	09:11	Pb7	OFF	ON	ON	27.6/29.78	0.11	0.68	Gaswell turned them on.
4854	86	6 SEP	09:19	09:41	Pb7	OFF	ON	ON	27.48/29.31	0.11	0.79	
4855	86	6 SEP	09:42	10:10	Pb7	OFF	ON	ON	26.75/28.20.11	0.11	0.90	
4856	86	6 SEP	10:11		Pb7	OFF	ON	ON	-	-	0.90	(some change is there).
4857	86	"	10:20	10:23	Pb7	OFF	ON	ON	-	-	0.90	per Compton's request.
4858	86	"	10:23	10:29	Pb7	OFF	ON	ON	-	-	0.90	" "
4859	86	"	10:40	10:44	Pb7	OFF	ON	ON	-	-	0.90	
4860	86	"	10:53	11:23	Pb7	OFF	ON	ON	22/29.41	0.09	0.99	current ramping up to 73 uA.
4861	86	"	11:24	11:52	Pb7	OFF	ON	ON	27.2/28.2	0.12	1.11	
4862	86	"	11:53	12:23	Pb7	OFF	ON	ON	23.3/24.1	0.10	1.21	
4863	86	"	12:24	12:55	Pb7	OFF	ON	ON	23.4/31.42	0.10	1.31	
4864	86	"	12:56	13:01	Pb7	OFF	ON	ON	24.7/44.47	0.02	1.33	
4865	87	"	14:38	15:08	Pb6	OFF	ON	ON	16.20/17.9	0.07	0.07	
4866	87	"	15:09	15:46	Pb6	OFF	ON	ON	-	-	-	
4867	87	"	15:40		Pb6	OFF	ON	ON	20.4/31.6	0.09	0.46	some high current run. ~20 min
4868	87	"										
4869	87	"										
4870	87	"										
4871	87	"										
4872	87	"										
4873	87	"										
4874	87	"										
4875	87	"										
4876	87	"										
4877	87	"										
4878	87	"										
4879	87	"										
4880	87	"										
4881	87	"										
4882	87	"										
4883	87	"										
4884	87	"										
4885	87	"										
4886	87	"										
4887	87	"										
4888	87	"										
4889	87	"										
4890	87	"										
4891	87	"										
4892	87	"										
4893	87	"										
4894	87	"										
4895	87	"										
4896	87	"										
4897	87	"										
4898	87	"										
4899	87	"										
4900	87	"										

June
text

4582
w/o test
10 uA

4583

4584
w/o test
still slow
w/o test

new slug. slowly here.

Compton

Run	Slug	Date	Start	End	Target	FFB	A _g FB	BMW	ABU/Total	Q	Q _{total}	Comments
4868	87	6 SEP	1613	1645	P66	OFF	ON	ON	30.8/32.0	0.13	0.29	
4869	87	6 SEP	1752	1800	HOME	OFF	ON	ON				1 min dithering, 1401 = -6300
4870	87	6 SEP	1801	1807	HOME	OFF	ON	ON				1 min dithering, 00713 amp doubled.
4871	88	6 SEP	1824	1854	P66	OFF	ON	ON	28.1/29.3	0.12	0.12	New beam tune.
4872	88	6 SEP	1855	1930	P66	OFF	ON	ON	27.9/34.6	0.12	0.24	Ramped up to 85° Ramp down at end.
4873	88	6 SEP	1932	2002	P66	OFF	ON	ON	28.0/30.2	0.15	0.39	Stable @ 85μA
4874	88	6 SEP	2003	2036	P66	OFF	ON	ON	31.7/32.9	0.16	0.55	
4875	88	6 SEP	2037	2106	P66	OFF	ON	ON	27.1/29.1	0.14	0.69	
4876	88	6 SEP	2107	2146	P66	OFF	ON	ON	36.3/38.4	0.18	0.87	
4877	88	6 SEP	2147	2228	P66	OFF	ON	ON	35.9/40.7	0.18	1.05	
4878	88	6 SEP	2230	2300	P66	OFF	ON	ON	26.5/29.3	0.14	1.19	
4879	89	6 SEP	2303	2333	P66	OFF	ON	ON	26.9/30.2	0.14	0.14	
4880	89	6 SEP	2334	0007	P66	OFF	ON	ON	28.7/32.3	0.15	0.29	
4881	89	7 SEP	0008	0038	P66	OFF	ON	ON	27.0/28.7	0.14	0.63	
4882	89	7 SEP	0041	0112	P66	OFF	ON	ON	25.7/29.8	0.13	0.56	
4883	89	7 SEP	0013	0113	P66	OFF	ON	ON	27.4/29.8	0.14	0.70	
4884	89	7 SEP	0114	0214	P66	OFF	ON	ON	25.9/29.6	0.13	0.83	
4885	89	7 SEP	0215	0247	P66	OFF	ON	ON	30.2/31.9	0.15	0.98	
4886	89	7 SEP	0248	0319	P66	OFF	ON	ON	27.6/30.1	0.14	1.12	
4887	89	7 SEP	0320	0350	P66	OFF	ON	ON	27.8/29.0	0.14	1.26	
4888												JUNK
4889	90	7 SEP	0357	0427	P66	OFF	ON	ON	19.0/29.5	0.10	0.10	New Slug - Reset after merge of components
4890	90	7 SEP	0428	0459	P66	OFF	ON	ON	28.7/30.4	0.15	0.25	Sho count on
4891	90	7 SEP	0500	0530	P66	OFF	ON	ON	27.0/29.6	0.14	0.39	
4892	90	7 SEP	0531	0600	P66	OFF	ON	ON	27.3/28.8	0.14	0.53	Double peaking in BCM Asym DD
4893	90	7 SEP	0602	0631	P66	OFF	ON	ON	22.8/29.7	0.12	0.65	Double peaking data filtered !!!

4597

4594

4595

4596

Compton

Roc 6 not connecting

Run	Slug	Date	Start	End	Target	FFB	A _q FB	BMW	ABU/Total	Q	Q _{total}	Comments
4593 (Continued)	4894	7 SEP	06:33	07:02	Pb 6	OFF	ON	ON	27.2/28.7	0.14	0.79	4597 Compton Run not ended. Right 588 not ended.
4598	4895	7 SEP	07:03	07:27	Pb 6	OFF	ON	ON	9.6/23.8	0.05	0.84	Run ended due to 8.1 failure. No beam.
	4896	9/7	08:04	08:16	Pb 6	OFF	OFF	OFF	N/A	N/A	N/A	PITA scan
	4897	9/7	08:17	08:27	Pb 6	OFF	OFF	OFF				
4599	4897	7 SEP	09:07		Pb 6	OFF	ON	ON	26.7/29.2	0.14	0.98	Beam BPM EX position moved.
4600	4898	7 SEP	09:37	10:07	Pb 6	OFF	ON	ON	27.7/29.2	0.14	1.12	
	4899	7 SEP	10:08	10:37	Pb 6	OFF	ON	ON	22.8/29.6	0.12	1.24	
	4900	7 SEP	10:40	10:46	Pb 6	OFF	OFF	OFF	N/A	N/A	N/A	PITA scan.
	4901	7 SEP	10:47	10:18	Pb 6	OFF	OFF	OFF	N/A	N/A	N/A	BCM calibration.
New slug	4902	7 SEP	11:18		Pb 6	OFF	OFF	OFF	24.9/29.5	N/A	N/A	BPM calibration.
4601	4903	7 SEP	11:31	12:00	Pb 6	OFF	ON	ON	N/A	0.14	0.14	production
	4904	"	12:01	12:31	Pb 6	OFF	ON	ON	27.28/30.1	0.14	0.28	Penguin was not responding
	4905	"	12:32	03:02	Pb 6	OFF	ON	ON	—/30.	0.11	0.39	
4602	4906	"	13:03	13:32	Pb 6	OFF	ON	ON	25.4/28.8	0.13	0.52	
4603	4907	"	13:33	14:02	Pb 6	OFF	ON	ON	27.4/29.4	0.14	0.66	
4604 (turning)	4908	"	14:03	14:35	Pb 6	OFF	ON	ON	25.9/31.4	0.13	0.79	(Compton background turning).
4605	4909	"	14:35	14:48	Pb 6	OFF	ON	ON	—	0.01	0.80	"
	4910	"	14:48	15:25	Pb 6	OFF	ON	ON	32.8/36.4	0.17	0.97	Rec stopped turning.
	4911	"	15:26	15:56	Pb 6	OFF	ON	ON	28.37/29.9	0.13	1.10	
	4912	"	15:57	16:27	Pb 6	OFF	ON	ON	—	—	—	No beam in this run
4606	4913	7 SEP	16:32	17:06	Pb 6	OFF	ON	ON	—	—	—	No beam
	4914	7 SEP	17:09	17:50	Pb 6	OFF	ON	ON	—	—	—	No beam
	4915	7 SEP	17:51	18:29	Pb 6	OFF	ON	ON	16.4/30.0	0.01	1.11	No beam at start
4607	4916	7 SEP	18:32	19:02	Pb 6	OFF	ON	ON	29.1/30.3	0.15	1.26	
	4917	7 SEP	19:03	19:35	Pb 6	OFF	ON	ON	28.9/31.6	0.15	1.41	
4608	4918	7 SEP	19:41	20:11	Pb 6	OFF	ON	ON	28.5/30.2	0.15	0.15	

Computer

Run	Slug	Date	Start	End	Target	FFB	A _q FB	BMW	ABU/Total	Q	Q _{total}	Comments
4919	92	7 SEP	2012	2042	P66	OFF	ON	ON	25.4/29.8	0.13	0.28	Rebooted rocha 12 during this run
4920	92	7 SEP	2044	2114	P66	OFF	ON	ON	28.7/30.5	0.15	0.43	
4921	92	7 SEP	2116	2146	P66	OFF	ON	ON	27.7/30.4	0.14	0.57	
4922	92	7 SEP	2147	2217	P66	OFF	ON	ON	27.3/29.7	0.14	0.71	
4923	92	7 SEP	2218	2248	P66	OFF	ON	ON	27.8/30.0	0.14	0.85	
4924	92	7 SEP	2249	2321	P66	OFF	ON	ON	27.7/31.9	0.15	1.00	
4925	92	7 SEP	2327	2359	P66	OFF	ON	ON	29.0/31.8	0.15	1.15	
4926	92	8 SEP	0000	0030	P66	OFF	ON	ON	28.1/29.4	0.15	1.30	Insertible
4927	93	8 SEP	0036	0107	P66	OFF	ON	ON	28.9/30.6	0.15	0.15	Empty Half Plastic mow IN
4928	93	8 SEP	0109	0139	P66	OFF	ON	ON	26.4/29.8	0.14	0.29	
4929	93	8 SEP	0140	0211	P66	OFF	ON	ON	28.5/30.8	0.15	0.44	
4930	93	8 SEP	0212	0224	P66	OFF	ON	ON	1.5/11.0	0.01	0.45	Run stopped due to Septum failure
4931	93	8 SEP	0239	0310	P66	OFF	ON	ON	29.5/30.7	0.15	0.60	Also Comfex run stopped and restarted
4932	93	8 SEP	0311	0343	P66	OFF	ON	ON	29.5/32.2	0.15	0.75	
4933	93	8 SEP	0345	0415	P66	OFF	ON	ON	29.1/30.8	0.15	0.90	
4934	93	8 SEP	0418	0452	P66	OFF	ON	ON		0.16	1.06	estimated & calculated off-line
4935	93	8 SEP	0453	0525	P66	OFF	ON	ON	30.7/32.4	0.16	1.22	
4936	94	8 SEP	0534	0605	P66	OFF	ON	ON	18.6/30.8	0.10	0.10	I HWP mow DVT Comfex run stopped
4937	94	8 SEP	0606	0607	P66	OFF	ON	ON				Problems PLC with Power supply. 4617 stopped
4938	94	"	0730	0731	"	"	"	"		"		Turn: just to acknowledge a COMA alarm
4939	94	8 SEP	0737		P66	OFF	ON	ON				Turn: suggested by shift leader
4942		8 Sept	2143		P66	OFF	OFF	OFF				Reassembling test, new time at H.V.
4943												Voltage scan
4944		8 Sept	2159		P66	OFF	OFF	OFF				gain: 1: minimal setting
4945		8 Sept	2206		P66	OFF	OFF	OFF				pedestal data for gain
4946		8 Sept			"	"	"	"				gain: setting 1.35 Ap.

4946

Minimal setting (P)
Insertible & mow

Run	Slug	Date	Start	End	Target	FFB	A _g FB	BMW	ABU/Total	Q	Q _{total}	Comments
4947		8 Sept	22:31		Pb 6	—	—	—	—	—	—	gain 2 1.35x dp.
4948		"	22:35		Pb 6	—	—	—	—	—	—	Gain 2 1.35x dp
4949		8 Sept			Pb 6	—	—	—	—	—	—	Beam on & Beam off
4950		"			Pb 6	—	—	—	—	—	—	Beam off
4951		"			Pb 6	—	—	—	—	—	—	Septum set to normal.
4952		"	23:10		Pb 6	—	—	—	—	—	—	1.25x dp with normal septum.
4953		"			Pb 6	—	—	—	—	—	—	1.25x dp defined septum.
4954		"			"	—	—	—	—	—	—	1.15x dp defined septum.
4955		"			"	—	—	—	—	—	—	1.15x dp turned septum
4956		"			"	—	—	—	—	—	—	1.10x dp turned septum.
4957		"			"	—	—	—	—	—	—	1.10x dp defined septum 107.
4958		"			—	—	—	—	—	—	—	1.07x dp septum turned.
4959		"			—	—	—	—	—	—	—	1.07x dp septum normal. gain 2
4960		"			—	—	—	—	—	—	—	1.07x dp septum 333A gain 1
4961		"			—	—	—	—	—	—	—	1.07x dp septum 333A gain 1.
4962		"			—	—	—	—	—	—	—	1.04x dp septum 346 A gain 1
4963		"	→ (no beam)		—	—	—	—	—	—	—	gain 2
4964		"			—	—	—	—	—	—	—	1.04x dp septum 333A gain 2.
4965		"			—	—	—	—	—	—	—	1.02x dp septum 333A gain 2.
4966		"			—	—	—	—	—	—	—	1.02x dp septum turned. gain 2.
4967		"			—	—	—	—	—	—	—	1.01x dp septum turned. gain 2.
4968		"			—	—	—	—	—	—	—	1.01x dp septum normal. gain 2.
4969		"			—	—	—	—	—	—	—	1.01x dp septum normal. gain 2.
4970		"			—	—	—	—	—	—	—	Production mode, gain 1.

4622

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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