

runlist_pionLT_2021_Eb_7p937_Part1

Q2=6.00 W=2.40 x=0.55 LD- low e SHMS right

Run Type	Target	E _{beam}	P _{SHMS}	θ _{SHMS}	P _{HMS}	θ _{HMS}	Current	PS1	PS4	PS5	H_rate(kHz)	P_Rate(kHz)	Coin_Rate(kHz)	Charge(mC)	Raw HMS	Raw SHMS	Raw Coin	EDTM	SHMS_HadT racking	Comments	
13448 Prod	LD2	7.937	5.512	9.12	2.139	-34.58	19.875	13	3	0	0.499	535.753	0.028	28.032	118k	154k	35k	14k		0.892	35
13449 Prod	LD2	7.937	5.512	9.12	2.139	-34.58	22.733	13	3	0	0.497	534.893	0.027	7.264	30k	40k	9k	3k		0.903	8
13451 Prod	LD2	7.937	5.512	9.12	2.139	-34.58	9.703	13	3	0	0.481	516.757	0.027	32.646	143k	182k	59k	35k		0.912	29
13452 Prod	LD2	7.937	5.512	9.12	2.139	-34.58	17.138	13	3	0	0.501	537.731	0.028	67.384	285k	371k	90k	39k		0.9	68
13453 Prod	LD2	7.937	5.512	9.12	2.139	-34.58	20.027	13	3	0	0.502	540.448	0.028	74.158	312k	408k	92k	36k		0.896	62
13454 Prod	LD2	7.937	5.512	9.12	2.139	-34.58	17.897	13	3	0	0.497	534.673	0.028	65.071	275k	358k	85k	36k		0.899	64
13455 Prod	LD2	7.937	5.512	9.12	2.139	-34.58	20.622	13	3	0	0.5	539.436	0.028	74.994	315k	413k	92k	36k		0.893	68
13456 Prod	LD2	7.937	5.512	9.12	2.139	-34.58	18.943	13	0	-1	0.499	537.696	0.028	70.076	1475k	386k	89k	37k		0.873	58
13457 Prod	LD2	7.937	5.512	9.12	2.139	-34.58	20.874	13	3	0	0.502	541.62	0.028	79.675	334k	438k	97k	38k		0.899	70
13458 Prod	LD2	7.937	5.512	9.12	2.139	-34.58	7.479	13	3	0	0.501	540.092	0.028	11.534	51k	63k	25k	17k		0.891	11
13459 Prod	LD2	7.937	5.512	9.12	2.139	-34.58	21.891	13	3	0	0.505	543.897	0.028	78.621	329k	432k	94k	35k		0.908	75
13460 Prod	LD2	7.937	5.512	9.12	2.139	-34.58	21.296	13	3	0	0.504	542.669	0.028	76.799	323k	423k	93k	35k		0.903	76
13461 Prod	LD2	7.937	5.512	9.12	2.139	-34.58	21.01	13	3	0	0.505	543.008	0.028	74.239	313k	409k	91k	35k		0.898	104
13462 Prod	LD2	7.937	5.512	9.12	2.139	-34.58	23.82	13	3	0	0.526	569.107	0.029	85.407	356k	470k	102k	35k		0.901	108
13463 Prod	LD2	7.937	5.512	9.12	2.139	-34.58	20.587	13	3	0	0.523	564.322	0.029	74.744	314k	412k	94k	36k		0.9	90
13464 Prod	LD2	7.937	5.512	9.12	2.139	-34.58	23.173	13	3	0	0.527	569.619	0.03	83.809	351k	462k	101k	35k		0.897	121
13465 Prod	LD2	7.937	5.512	9.12	2.139	-34.58	23.875	13	3	0	0.527	569.936	0.03	85.575	358k	472k	102k	35k		0.89	103
13466 Prod	LD2	7.937	5.512	9.12	2.139	-34.58	21.51	13	3	0	0.524	565.258	0.029	75.066	316k	414k	94k	34k		0.909	121
13467 Prod	LD2	7.937	5.512	9.12	2.139	-34.58	23.202	13	3	0	0.526	567.489	0.03	83.604	350k	460k	101k	35k		0.9	96
13468 Prod	Dummy10cm	7.937	5.512	9.12	2.139	-34.58	30.863	12	1	0	0.16	161.41	0.012	110.279	234k	227k	40k	36k		0.9	13

Q2=6.00 W=2.40 x=0.55 LD- low e SHMS center

Run Type	Target	E _{beam}	P _{SHMS}	θ _{SHMS}	P _{HMS}	θ _{HMS}	Current	PS1	PS4	PS5	H_rate(kHz)	P_Rate(kHz)	Coin_Rate(kHz)	Charge(mC)	Raw HMS	Raw SHMS	Raw Coin	EDTM	SHMS_HadT racking	Comments	
13472 Prod	LD2	7.937	5.512	11.12	2.139	-34.58	12.949	13	5	0	1.311	512.865	0.057	36.979	45k	71k	57k	30k		0.892	45
13475 Prod	LD2	7.937	5.512	11.12	2.139	-34.58	52.122	13	5	0	1.314	512.076	0.056	185.48	221k	357k	167k	35k		0.876	274
13476 Prod	LD2	7.937	5.512	11.12	2.139	-34.58	55.499	13	5	0	1.301	508.298	0.055	199.387	237k	383k	175k	35k		0.863	300
13478 Prod	LD2	7.937	5.512	11.12	2.139	-34.58	56.663	13	0	-1	1.321	515.22	0.056	202.477	4096k	389k	179k	35k		0.844	271
13479 Prod	LD2	7.937	5.512	11.12	2.139	-34.58	44.033	13	5	0	1.219	474.289	0.051	156.947	188k	302k	143k	35k		0.876	217
13480 Prod	LD2	7.937	5.512	11.12	2.139	-34.58	58.342	13	5	0	1.334	520.719	0.057	209.73	249k	403k	185k	35k		0.868	309
13481 Prod	LD2	7.937	5.512	11.12	2.139	-34.58	43.227	13	5	0	1.308	510.148	0.056	154.424	184k	297k	145k	35k		0.87	212
13482 Prod	LD2	7.937	5.512	11.12	2.139	-34.58	41.094	13	5	0	1.297	505.17	0.055	146.139	175k	281k	139k	35k		0.876	197
13483 Prod	LD2	7.937	5.512	11.12	2.139	-34.58	55.79	13	5	0	1.318	514.046	0.056	201.639	240k	388k	178k	35k		0.877	276
13484 Prod	LD2	7.937	5.512	11.12	2.139	-34.58	49.821	13	5	0	1.31	509.814	0.055	181.467	217k	349k	164k	36k		0.875	244
13485 Prod	LD2	7.937	5.512	11.12	2.139	-34.58	48.251	13	5	0	1.31	509.233	0.056	172.051	206k	331k	157k	35k		0.868	190
13486 Prod	LD2	7.937	5.512	11.12	2.139	-34.58	49.709	13	5	0	1.188	461.564	0.05	176.571	211k	340k	155k	35k		0.871	266
13487 Prod	LD2	7.937	5.512	11.12	2.139	-34.58	48.635	13	5	0	1.327	516.244	0.056	171.404	205k	330k	157k	35k		0.867	252
13488 Prod	LD2	7.937	5.512	11.12	2.139	-34.58	44.156	13	5	0	1.315	512.368	0.056	135.356	162k	261k	126k	30k		0.867	213
13489 Prod	LD2	7.937	5.512	11.12	2.139	-34.58	53.409	13	5	0	1.327	517.239	0.056	261.478	312k	504k	234k	48k		0.873	371
13490 Prod	LD2	7.937	5.512	11.12	2.139	-34.58	56.164	13	5	0	1.319	513.56	0.056	200.785	239k	386k	178k	35k		0.867	277
13491 Prod	LD2	7.937	5.512	11.12	2.139	-34.58	62.842	13	5	0	1.334	519.726	0.057	227.436	270k	437k	197k	35k		0.863	309
13492 Prod	LD2	7.937	5.512	11.12	2.139	-34.58	53.41	13	5	0	1.311	509.719	0.055	189.865	226k	364k	169k	35k		0.879	264
13493 Prod	LD2	7.937	5.512	11.12	2.139	-34.58	51.309	13	5	0	1.304	507.772	0.055	185.663	221k	356k	166k	36k		0.867	266
13494 Prod	LD2	7.937	5.512	11.12	2.139	-34.58	57.658	13	5	0	1.326	516.15	0.056	218.903	260k	419k	191k	37k		0.866	293
13495 Prod	LD2	7.937	5.512	11.12	2.139	-34.58	58.486	13	5	0	1.301	506.592	0.055	214.771	255k	411k	187k	36k		0.865	291

13496 Prod	LD2	7.937	5.512	11.12	2.139	-34.58	58.659	13	5	0	1.315	510.841	0.055	202.142	240k	387k	175k	34k	0.872	274
13497 Prod	LD2	7.937	5.512	11.12	2.139	-34.58	57.135	13	5	0	1.292	501.68	0.054	204.225	243k	391k	177k	35k	0.862	283
13498 Prod	LD2	7.937	5.512	11.12	2.139	-34.58	54.592	13	5	0	1.292	501.646	0.054	144.747	172k	277k	127k	26k	0.874	207
13499 Prod	Dummy10cm	7.937	5.512	11.12	2.139	-34.58	35.051	13	3	0	0.161	55.638	0.011	124.738	105k	44k	38k	35k	0.939	21
13500 Prod	Dummy10cm	7.937	5.512	11.12	2.139	-34.58	36.859	13	3	0	0.161	55.585	0.011	132.458	110k	46k	38k	36k	0.899	26
13501 Prod	Dummy10cm	7.937	5.512	11.12	2.139	-34.58	36.201	13	3	0	0.16	55.417	0.011	133.766	112k	47k	39k	37k	0.951	14
13502 Prod	LD2	7.937	5.512	11.12	2.139	-34.58	24.49	13	3	0	1.204	468.471	0.051	33.499	137k	64k	37k	14k	0.844	33
13503 Prod	LD2	7.937	5.512	11.12	2.139	-34.58	59.083	13	5	0	1.299	505.478	0.054	212.702	252k	406k	182k	35k	0.878	289
13504 Prod	LD2	7.937	5.512	11.12	2.139	-34.58	56.357	13	5	0	1.291	502.52	0.054	209.423	248k	400k	180k	36k	0.869	295
13505 Prod	LD2	7.937	5.512	11.12	2.139	-34.58	50.992	13	5	0	1.212	471.077	0.05	183.353	218k	351k	159k	35k	0.866	290
13506 Prod	LD2	7.937	5.512	11.12	2.139	-34.58	47.877	13	5	0	1.239	481.063	0.051	174.298	207k	333k	153k	36k	0.872	246
13507 Prod	LD2	7.937	5.512	11.12	2.139	-34.58	51.074	13	5	0	1.261	490.135	0.052	190.281	226k	364k	166k	37k	0.866	289
13508 Prod	LD2	7.937	5.512	11.12	2.139	-34.58	54.982	13	5	0	1.284	498.641	0.053	196.061	233k	375k	169k	35k	0.864	262
13509 Prod	LD2	7.937	5.512	11.12	2.139	-34.58	57.688	13	5	0	1.29	501.897	0.054	219.83	261k	421k	188k	37k	0.875	299
13510 Prod	LD2	7.937	5.512	11.12	2.139	-34.58	50.026	13	5	0	1.276	495.549	0.054	169.074	201k	324k	151k	33k	0.869	246
13512 Prod	LD2	7.937	5.512	11.12	2.139	-34.58	56.2	13	5	0	1.307	509.598	0.055	201.706	238k	385k	177k	35k	0.876	267
13513 Prod	LD2	7.937	5.512	11.12	2.139	-34.58	58.051	13	5	0	1.288	501.871	0.054	206.714	245k	395k	179k	35k	0.876	299
13514 Prod	LD2	7.937	5.512	11.12	2.139	-34.58	58.773	13	5	0	1.31	510.855	0.055	208.182	246k	398k	179k	35k	0.865	279
13515 Prod	LD2	7.937	5.512	11.12	2.139	-34.58	53.119	13	5	0	1.282	499.12	0.054	194.15	230k	371k	170k	36k	0.87	283
13516 Prod	LD2	7.937	5.512	11.12	2.139	-34.58	37.318	13	5	0	1.274	496.113	0.053	108.044	129k	207k	103k	29k	0.872	142
13517 Prod	LD2	7.937	5.512	11.12	2.139	-34.58	45.083	13	5	0	1.283	499.628	0.054	160.39	191k	307k	146k	35k	0.87	249
13518 Prod	LD2	7.937	5.512	11.12	2.139	-34.58	55.227	13	5	0	1.296	504.907	0.054	200.678	238k	384k	174k	36k	0.867	300
13519 Prod	LD2	7.937	5.512	11.12	2.139	-34.58	49.397	13	5	0	1.29	501.706	0.054	176.98	210k	339k	157k	35k	0.875	244
13520 Prod	LD2	7.937	5.512	11.12	2.139	-34.58	61.541	13	5	0	1.321	514.811	0.056	224.518	266k	430k	192k	36k	0.876	281
13521 Prod	LD2	7.937	5.512	11.12	2.139	-34.58	63.673	13	5	0	1.318	513.305	0.056	256.017	303k	490k	218k	39k	0.873	377
13522 Prod	LD2	7.937	5.512	11.12	2.139	-34.58	55.986	13	5	0	1.313	510.517	0.055	203.857	242k	390k	178k	36k	0.878	264
13523 Prod	LD2	7.937	5.512	11.12	2.139	-34.58	47.311	13	5	0	1.302	506.54	0.055	167.361	199k	320k	152k	35k	0.865	254
13524 Prod	LD2	7.937	5.512	11.12	2.139	-34.58	60.779	13	5	0	1.325	516.013	0.056	216.323	256k	414k	187k	35k	0.864	284
13525 Prod	LD2	7.937	5.512	11.12	2.139	-34.58	58.502	13	5	0	1.321	513.978	0.056	207.676	246k	397k	181k	35k	0.869	328
13526 Prod	LD2	7.937	5.512	11.12	2.139	-34.58	35.485	13	5	0	1.289	501.42	0.054	116.651	139k	223k	114k	33k	0.852	175
13527 Prod	LD2	7.937	5.512	11.12	2.139	-34.58	64.848	13	5	0	1.335	521.085	0.057	113.346	134k	217k	97k	17k	0.869	151
13528 Prod	LD2	7.937	5.512	11.12	2.139	-34.58	54.899	13	5	0	1.32	514.195	0.056	197.881	235k	380k	175k	35k	0.877	281
13529 Prod	LD2	7.937	5.512	11.12	2.139	-34.58	59.521	13	5	0	1.325	516.15	0.056	59.74	71k	115k	52k	10k	0.856	74

Q2=6.00 W=2.40 x=0.55 LD- low e SHMS left

Run	Type	Target	E _{beam}	P _{SHMS}	θ _{SHMS}	P _{HMS}	θ _{HMS}	Current	PS1	PS4	PS5	H_rate(kHz)	P_Rate(kHz)	Coin_Rate(kHz)	Charge(mC)	Raw HMS	Raw SHMS	Raw Coin	EDTM	SHMS_HadT racking	Comments
13531 Prod	LD2		7.937	5.512	13.12	2.139	-34.58	60.854	12	0	-1	1.323	197.3	0.028	210.538	4249k	309k	92k	34k	0.8	237
13532 Prod	LD2		7.937	5.512	13.12	2.139	-34.58	61.074	12	5	0	1.324	197.515	0.028	216.835	257k	318k	95k	35k	0.863	239
13533 Prod	LD2		7.937	5.512	13.12	2.139	-34.58	55.834	12	5	0	1.307	194.687	0.028	199.451	237k	293k	90k	35k	0.868	232
13534 Prod	LD2		7.937	5.512	13.12	2.139	-34.58	53.675	12	5	0	1.296	192.754	0.028	193.534	231k	284k	89k	36k	0.876	226
13535 Prod	LD2		7.937	5.512	13.12	2.139	-34.58	59.415	12	5	0	1.333	198.552	0.028	211.131	251k	310k	94k	35k	0.856	243
13536 Prod	LD2		7.937	5.512	13.12	2.139	-34.58	61.454	12	5	0	1.332	198.699	0.028	218.614	259k	320k	95k	35k	0.873	239
13537 Prod	LD2		7.937	5.512	13.12	2.139	-34.58	42.149	12	5	0	1.322	196.779	0.028	149.292	178k	219k	77k	35k	0.852	165
13538 Prod	LD2		7.937	5.512	13.12	2.139	-34.58	56.721	12	5	0	1.322	197.021	0.028	186.495	221k	274k	84k	33k	0.846	182
13539 Prod	LD2		7.937	5.512	13.12	2.139	-34.58	64.847	12	5	0	1.341	199.633	0.028	231.651	275k	340k	100k	35k	0.863	258
13540 Prod	LD2		7.937	5.512	13.12	2.139	-34.58	53.307	12	5	0	1.317	195.94	0.028	189.699	226k	278k	87k	35k	0.853	247
13541 Prod	LD2		7.937	5.512	13.12	2.139	-34.58	59.81	12	5	0	1.313	195.444	0.028	224.973	267k	330k	99k	37k	0.847	251
13542 Prod	LD2		7.937	5.512	13.12	2.139	-34.58	61.845	12	5	0	1.331	198.377	0.028	210.84	250k	309k	92k	34k	0.856	254
13543 Prod	LD2		7.937	5.512	13.12	2.139	-34.58	63.72	12	5	0	1.338	199.384	0.028	202.646	240k	297k	87k	31k	0.853	237
13544 Prod	LD2		7.937	5.512	13.12	2.139	-34.58	60.01	12	5	0	1.32	196.284	0.028	225.105	268k	330k	99k	37k	0.863	236

13545 Prod	LD2	7.937	5.512	13.12	2.139	-34.58	57.254	12	5	0	1.318	196.178	0.028	193.788	230k	284k	86k	34k	0.871	244
13546 Prod	LD2	7.937	5.512	13.12	2.139	-34.58	58.987	12	5	0	1.318	195.975	0.028	212.931	253k	312k	95k	36k	0.857	208
13547 Prod	LD2	7.937	5.512	13.12	2.139	-34.58	55.736	12	5	0	1.308	194.595	0.028	207.149	246k	303k	93k	37k	0.839	227
13548 Prod	LD2	7.937	5.512	13.12	2.139	-34.58	60.882	12	5	0	1.33	197.928	0.028	189.953	225k	278k	83k	31k	0.86	209
13549 Prod	LD2	7.937	5.512	13.12	2.139	-34.58	53.099	12	5	0	1.296	192.477	0.027	188.43	224k	276k	86k	35k	0.86	210
13550 Prod	LD2	7.937	5.512	13.12	2.139	-34.58	58.672	12	5	0	1.31	194.942	0.028	209.777	249k	307k	93k	35k	0.842	189
13551 Prod	LD2	7.937	5.512	13.12	2.139	-34.58	56.249	12	5	0	1.31	195.227	0.028	198.461	235k	290k	89k	35k	0.863	249
13552 Prod	LD2	7.937	5.512	13.12	2.139	-34.58	52.895	12	5	0	1.301	193.373	0.028	187.159	223k	274k	87k	35k	0.853	209
13553 Prod	LD2	7.937	5.512	13.12	2.139	-34.58	59.309	12	5	0	1.328	197.645	0.028	227.573	270k	333k	101k	38k	0.881	277
13554 Prod	LD2	7.937	5.512	13.12	2.139	-34.58	50.321	12	5	0	1.312	195.048	0.028	146.748	175k	215k	69k	29k	0.869	158
13555 Prod	Dummy10cm	7.937	5.512	13.12	2.139	-34.58	37.223	10	3	0	0.162	20.648	0.01	131.723	110k	136k	36k	35k	0.975	11
13556 Prod	Dummy10cm	7.937	5.512	13.12	2.139	-34.58	37.477	10	3	0	0.163	20.685	0.01	134.897	112k	139k	37k	36k	0.929	20
13557 Prod	Dummy10cm	7.937	5.512	13.12	2.139	-34.58	28.929	10	3	0	0.162	20.647	0.01	104.658	89k	108k	37k	36k	0.924	10

Run Type	Target	E _{beam}	P _{SHMS}	θ _{SHMS}	P _{HMS}	θ _{HMS}	Current	PS1	PS4	PS5	H_rate(kHz)	P_Rate(kHz)	Coin_Rate(kHz)	Charge(mC)	Raw HMS	Raw SHMS	Raw Coin	EDTM	SHMS_HadT racking	Comments
13558 Prod	LD2	7.937	5.512	13.12	2.139	-34.58	31.294	12	5	0	1.134	168.087	0.024	111.195	133k	162k	65k	36k	0.853	112 beam unstable
13559 Prod	LD2	7.937	5.512	13.12	2.139	-34.58	56.933	12	5	0	1.33	198.323	0.028	204.953	242k	299k	93k	36k	0.865	232
13560 Prod	LD2	7.937	5.512	13.12	2.139	-34.58	62.144	12	5	0	1.337	199.512	0.028	231.925	274k	339k	101k	37k	0.852	259
13561 Prod	LD2	7.937	5.512	13.12	2.139	-34.58	54.391	12	5	0	1.279	190.575	0.027	192.849	228k	282k	88k	35k	0.86	210
13562 Prod	LD2	7.937	5.512	13.12	2.139	-34.58	48.117	12	5	0	1.275	189.767	0.027	170.457	202k	249k	82k	35k	0.846	210
13563 Prod	LD2	7.937	5.512	13.12	2.139	-34.58	39.79	12	5	0	1.143	168.944	0.024	143.546	171k	209k	72k	36k	0.867	163
13564 Prod	LD2	7.937	5.512	13.12	2.139	-34.58	39.466	12	5	0	1.22	181.509	0.026	134.077	159k	196k	70k	34k	0.864	138
13565 Prod	LD2	7.937	5.512	13.12	2.139	-34.58	46.292	12	5	0	1.291	192.494	0.028	167.509	198k	245k	82k	36k	0.849	171
13566 Prod	LD2	7.937	5.512	13.12	2.139	-34.58	48.68	12	5	0	1.287	191.833	0.027	172.218	204k	252k	82k	35k	0.857	178
13567 Prod	LD2	7.937	5.512	13.12	2.139	-34.58	56.412	12	5	0	1.276	190.185	0.027	181.855	215k	266k	81k	32k	0.871	190
13568 Prod	LD2	7.937	5.512	13.12	2.139	-34.58	48.229	12	5	0	1.285	191.476	0.027	193.399	229k	283k	92k	40k	0.847	208
13569 Prod	LD2	7.937	5.512	13.12	2.139	-34.58	57.247	12	5	0	1.34	200.847	0.029	179.892	212k	264k	82k	31k	0.879	214
13570 Prod	LD2	7.937	5.512	13.12	2.139	-34.58	57.338	12	5	0	1.275	190.106	0.027	200.191	237k	292k	88k	35k	0.852	227
13571 Prod	LD2	7.937	5.512	13.12	2.139	-34.58	54.813	12	5	0	1.307	195.165	0.028	196.153	232k	287k	89k	36k	0.86	235
13572 Prod	LD2	7.937	5.512	13.12	2.139	-34.58	43.999	12	5	0	1.359	203.416	0.029	155.696	184k	228k	79k	35k	0.86	156
13573 Prod	LD2	7.937	5.512	13.12	2.139	-34.58	56.668	12	5	0	1.31	195.879	0.028	208.95	247k	306k	95k	37k	0.868	214
13574 Prod	LD2	7.937	5.512	13.12	2.139	-34.58	61.692	12	5	0	1.334	199.564	0.028	215.799	255k	316k	95k	35k	0.862	265
13575 Prod	LD2	7.937	5.512	13.12	2.139	-34.58	55.432	12	5	0	1.296	193.539	0.028	200.941	238k	294k	91k	36k	0.862	227
13576 Prod	LD2	7.937	5.512	13.12	2.139	-34.58	50.911	12	5	0	1.273	190.202	0.027	26.821	32k	39k	13k	5k	0.862	26
13578 Prod	LD2	7.937	5.512	13.12	2.139	-34.58	53.79	12	5	0	1.282	191.607	0.027	202.937	240k	297k	93k	37k	0.86	235
13579 Prod	LD2	7.937	5.512	13.12	2.139	-34.58	47.473	12	5	0	1.266	188.739	0.027	168.838	200k	247k	81k	35k	0.86	200
13580 Prod	LD2	7.937	5.512	13.12	2.139	-34.58	57.356	12	5	0	1.32	197.384	0.028	256.093	302k	375k	115k	44k	0.866	263
13581 Prod	LD2	7.937	5.512	13.12	2.139	-34.58	55.916	12	5	0	1.327	198.512	0.028	173.813	205k	254k	80k	31k	0.857	201
13582 Prod	LD2	7.937	5.512	13.12	2.139	-34.58	55.378	12	5	0	1.305	194.846	0.028	197.467	234k	289k	89k	35k	0.852	197
13583 Prod	LD2	7.937	5.512	13.12	2.139	-34.58	61.64	12	5	0	1.335	199.603	0.028	245.059	289k	359k	107k	39k	0.858	249
13584 Prod	LD2	7.937	5.512	13.12	2.139	-34.58	58.411	12	5	0	1.306	194.802	0.028	196.307	232k	287k	87k	33k	0.861	216
13585 Prod	LD2	7.937	5.512	13.12	2.139	-34.58	61.006	12	5	0	1.339	199.987	0.028	231.719	274k	339k	102k	38k	0.859	230
13586 Prod	LD2	7.937	5.512	13.12	2.139	-34.58	64.609	12	5	0	1.345	201.184	0.028	228.464	270k	334k	98k	35k	0.876	252

Q2=3.85 W=3.07 x=0.31 LD- low e SHMS left

Run Type	Target	E _{beam}	P _{SHMS}	θ _{SHMS}	P _{HMS}	θ _{HMS}	Current	PS1	PS4	PS5	H_rate(kHz)	P_Rate(kHz)	Coin_Rate(kHz)	Charge(mC)	Raw HMS	Raw SHMS	Raw Coin	EDTM	SHMS_HadT racking	Comments
13589 Prod	LD2	7.937	6.538	8.385	1.332	-35.12	15.627	13	6	0	3.649	559.38	0.146	31.822	195k	241k	260k	20k	0.693	23 pions run interrupted after PSS chain drop
13633 Prod	LD2	7.937	6.538	8.385	1.332	-35.12	5.603	13	6	0	3.127	484.264	0.117	19.114	118k	146k	170k	38k	0.708	29
13634 Prod	LD2	7.937	6.538	8.385	1.332	-35.12	4.283	13	6	0	2.252	350.097	0.067	15.534	97k	120k	122k	42k	0.698	16

13635 Prod	LD2	7.937	6.538	8.385	1.332	-35.12	15.93	13	6	0	3.535	548.756	0.138	56.119	341k	427k	443k	35k	0.687	67
13636 Prod	LD2	7.937	6.538	8.385	1.332	-35.12	10.919	13	6	0	3.442	534.771	0.134	6.3	38k	48k	52k	6k	0.7	2
13639 Prod	LD2	7.937	6.538	8.385	1.332	-35.12	6.944	13	6	0	3.536	549.337	0.138	10.258	63k	78k	90k	16k	0.684	7
13647 Prod	LD2	7.937	6.538	8.385	1.332	-35.12	15.553	13	6	0	3.537	550.355	0.139	56.968	346k	434k	451k	36k	0.688	67
13648 Prod	LD2	7.937	6.538	8.385	1.332	-35.12	12.255	13	6	0	3.503	544.195	0.137	37.091	227k	283k	301k	30k	0.701	52
13649 Prod	LD2	7.937	6.538	8.385	1.332	-35.12	13.04	13	6	0	3.539	549.714	0.138	40.615	248k	310k	328k	31k	0.689	46
13650 Prod	LD2	7.937	6.538	8.385	1.332	-35.12	15.383	13	6	0	3.539	548.818	0.138	51.369	314k	392k	409k	33k	0.69	59
13651 Prod	LD2	7.937	6.538	8.385	1.332	-35.12	14.368	13	6	0	3.556	551.156	0.139	52.023	318k	397k	417k	36k	0.689	62
13652 Prod	LD2	7.937	6.538	8.385	1.332	-35.12	15.742	13	6	0	3.551	549.299	0.139	39.908	245k	305k	318k	25k	0.686	51
13653 Prod	LD2	7.937	6.538	8.385	1.332	-35.12	14.052	13	6	0	3.509	542.074	0.137	50.815	314k	390k	408k	36k	0.679	48
13654 Prod	LD2	7.937	6.538	8.385	1.332	-35.12	9.322	13	6	0	3.51	541.461	0.137	21.453	132k	164k	182k	24k	0.679	19
13655 Prod	LD2	7.937	6.538	8.385	1.332	-35.12	17.279	13	6	0	3.575	552.202	0.14	59.861	367k	456k	475k	34k	0.695	76
13656 Prod	LD2	7.937	6.538	8.385	1.332	-35.12	13.418	13	6	0	3.57	550.68	0.14	48.184	296k	367k	390k	36k	0.686	6
13657 Prod	LD2	7.937	6.538	8.385	1.332	-35.12	16.525	13	6	0	3.567	549.181	0.139	59.615	366k	454k	474k	35k	0.693	72
13658 Prod	LD2	7.937	6.538	8.385	1.332	-35.12	15.769	13	6	0	3.547	544.55	0.138	56.201	347k	429k	449k	35k	0.683	63
13659 Prod	LD2	7.937	6.538	8.385	1.332	-35.12	16.559	13	6	0	3.561	546.039	0.139	57.326	354k	437k	456k	34k	0.681	69
13660 Prod	LD2	7.937	6.538	8.385	1.332	-35.12	16.855	13	6	0	3.482	534.088	0.132	61.184	378k	467k	474k	35k	0.688	101
13661 Prod	LD2	7.937	6.538	8.385	1.332	-35.12	16.255	13	6	0	3.477	531.323	0.132	57.101	354k	436k	445k	34k	0.692	72
13662 Prod	LD2	7.937	6.538	8.385	1.332	-35.12	16.045	13	6	0	3.522	537.009	0.135	70.83	441k	541k	560k	43k	0.687	82
13663 Prod	LD2	7.937	6.538	8.385	1.332	-35.12	16.231	13	6	0	3.607	548.475	0.141	57.629	359k	439k	464k	35k	0.692	73
13664 Prod	LD2	7.937	6.538	8.385	1.332	-35.12	14.608	13	6	0	3.493	530.479	0.133	63.151	395k	483k	500k	43k	0.691	64
13665 Prod	LD2	7.937	6.538	8.385	1.332	-35.12	14.795	13	6	0	3.501	531.151	0.133	47.841	299k	365k	377k	32k	0.681	60
13666 Prod	LD2	7.937	6.538	8.385	1.332	-35.12	13.417	13	6	0	3.532	534.703	0.135	47.178	296k	361k	381k	35k	0.691	68
13667 Prod	LD2	7.937	6.538	8.385	1.332	-35.12	15.585	13	6	0	3.488	527.795	0.132	54.638	342k	417k	429k	34k	0.69	69
13668 Prod	LD2	7.937	6.538	8.385	1.332	-35.12	15.354	13	0	-1	3.486	527.505	0.132	27.437	5674k	210k	216k	18k	0.674	35
13669 Prod	LD2	7.937	6.538	8.385	1.332	-35.12	9.184	13	0	-1	3.454	521.336	0.13	15.05	3137k	115k	126k	17k	0.676	16
13670 Prod	Dummy10cm	7.937	6.538	8.385	1.332	-35.12	35.301	12	4	0	1.005	233.101	0.026	125.56	364k	370k	86k	35k	0.646	19
13671 Prod	Dummy10cm	7.937	6.538	8.385	1.332	-35.12	27.617	12	4	0	1.004	232.391	0.026	94.29	274k	278k	73k	34k	0.649	18

Run	Type	Target	E _{beam}	P _{SHMS}	θ _{SHMS}	P _{HMS}	θ _{HMS}	Current	PS1	PS4	PS5	H_rate(kHz)	P_Rate(kHz)	Coin_Rate(kHz)	Charge(mC)	Raw HMS	Raw SHMS	Raw Coin	EDTM	SHMS_HadT racking	Comments
13672 Prod	LD2	7.937	6.538	8.385	1.332	-35.12	16.833	13	6	0	3.629	548.364	0.142	60.716	380k	462k	491k	35k	0.691	75	
13673 Prod	LD2	7.937	6.538	8.385	1.332	-35.12	15.729	13	6	0	3.508	530.294	0.133	56.337	353k	429k	443k	35k	0.684	84	
13674 Prod	LD2	7.937	6.538	8.385	1.332	-35.12	13.219	13	6	0	3.489	526.041	0.132	48.16	303k	367k	385k	36k	0.695	66	
13675 Prod	LD2	7.937	6.538	8.385	1.332	-35.12	14.689	13	6	0	3.488	525.75	0.131	54.459	342k	415k	429k	37k	0.691	80	
13676 Prod	LD2	7.937	6.538	8.385	1.332	-35.12	16.551	13	6	0	3.523	531.088	0.133	57.258	359k	436k	448k	34k	0.687	73	
13677 Prod	LD2	7.937	6.538	8.385	1.332	-35.12	16.24	13	6	0	3.517	528.969	0.133	56.548	356k	431k	445k	34k	0.687	55	
13678 Prod	LD2	7.937	6.538	8.385	1.332	-35.12	12.03	13	6	0	3.533	530.902	0.134	66.495	419k	507k	540k	56k	0.685	101	
13679 Prod	LD2	7.937	6.538	8.385	1.332	-35.12	14.534	13	6	0	3.509	526.624	0.132	50.013	316k	382k	397k	34k	0.685	56	
13680 Prod	LD2	7.937	6.538	8.385	1.332	-35.12	14.099	13	6	0	3.541	530.753	0.134	49.815	314k	379k	399k	35k	0.694	69	
13681 Prod	LD2	7.937	6.538	8.385	1.332	-35.12	15.552	13	6	0	3.541	530.335	0.134	58.069	366k	442k	460k	37k	0.698	84	
13682 Prod	LD2	7.937	6.538	8.385	1.332	-35.12	16.461	13	6	0	3.554	532.847	0.135	58.387	368k	445k	462k	35k	0.689	71	
13683 Prod	LD2	7.937	6.538	8.385	1.332	-35.12	15.968	13	6	0	3.648	544.827	0.141	56.179	356k	428k	457k	34k	0.682	54	
13684 Prod	LD2	7.937	6.538	8.385	1.332	-35.12	5.606	13	6	0	3.555	530.255	0.136	7.136	46k	54k	67k	14k	0.686	10	
13685 Prod	LD2	7.937	6.538	8.385	1.332	-35.12	16.663	13	6	0	3.68	548.981	0.143	58.536	371k	445k	478k	34k	0.682	65	
13686 Prod	LD2	7.937	6.538	8.385	1.332	-35.12	16.785	13	6	0	3.689	550.28	0.144	61.068	387k	465k	499k	36k	0.685	80	
13687 Prod	LD2	7.937	6.538	8.385	1.332	-35.12	13.291	13	6	0	3.7	552.499	0.145	40.73	258k	310k	340k	31k	0.685	58	
13688 Prod	LD2	7.937	6.538	8.385	1.332	-35.12	15.722	13	6	0	3.654	544.071	0.142	56.121	357k	427k	459k	35k	0.69	52	
13689 Prod	LD2	7.937	6.538	8.385	1.332	-35.12	16.809	13	6	0	3.662	546.553	0.142	59.356	376k	452k	483k	34k	0.694	77	
13690 Prod	LD2	7.937	6.538	8.385	1.332	-35.12	15.38	13	6	0	3.678	547.263	0.143	61.707	392k	470k	507k	39k	0.692	69	
13691 Prod	LD2	7.937	6.538	8.385	1.332	-35.12	16.642	13	6	0	3.675	547.252	0.143	61.865	394k	472k	505k	36k	0.694	73	

13692 Prod	LD2	7.937	6.538	8.385	1.332	-35.12	16.742	13	6	0	3.69	549.676	0.144	60.163	383k	459k	495k	35k	0.695	78
13693 Prod	LD2	7.937	6.538	8.385	1.332	-35.12	15.095	13	6	0	3.685	547.681	0.143	27.914	178k	213k	231k	18k	0.693	37

Q2=3.85 W=3.07 x=0.31 LD- low e SHMS center

Run	Type	Target	E _{beam}	P _{SHMS}	θ _{SHMS}	P _{HMS}	θ _{HMS}	Current	PS1	PS4	PS5	H_rate(kHz)	P_Rate(kHz)	Coin_Rate(kHz)	Charge(mC)	Raw HMS	Raw SHMS	Raw Coin	EDTM	SHMS_HadT racking	Comments
13694	Prod	LD2	7.937	6.538	6.395	1.332	-35.12	5.555	14	5	0	1.255	753.489	0.072	20.295	258k	321k	252k	36k	0.747	39
13696	Prod	LD2	7.937	6.538	6.395	1.332	-35.12	5.433	14	5	0	1.261	756.767	0.072	19.396	247k	307k	243k	35k	0.73	28
13697	Prod	LD2	7.937	6.538	6.395	1.332	-35.12	5.497	14	5	0	1.258	755.849	0.072	19.63	248k	309k	245k	35k	0.733	40
13698	Prod	LD2	7.937	6.538	6.395	1.332	-35.12	5.504	14	5	0	1.258	756.867	0.072	19.36	246k	306k	241k	35k	0.746	44
13699	Prod	LD2	7.937	6.538	6.395	1.332	-35.12	5.125	14	5	0	1.254	753.994	0.071	17.399	222k	276k	219k	34k	0.742	48
13700	Prod	LD2	7.937	6.538	6.395	1.332	-35.12	5.643	14	5	0	1.253	753.699	0.072	19.264	243k	304k	238k	33k	0.749	37
13701	Prod	LD2	7.937	6.538	6.395	1.332	-35.12	5.499	14	5	0	1.244	749.675	0.07	21.371	270k	337k	262k	38k	0.741	52
13702	Prod	LD2	7.937	6.538	6.395	1.332	-35.12	5.589	14	5	0	1.245	749.976	0.071	18.988	240k	299k	233k	33k	0.744	33
13703	Prod	LD2	7.937	6.538	6.395	1.332	-35.12	5.088	14	5	0	1.229	740.486	0.069	16.645	213k	266k	208k	33k	0.743	36
13704	Prod	LD2	7.937	6.538	6.395	1.332	-35.12	5.31	14	5	0	1.239	746.239	0.07	20.286	258k	322k	252k	38k	0.752	48
13705	Prod	LD2	7.937	6.538	6.395	1.332	-35.12	5.659	14	5	0	1.254	755.776	0.071	20.643	261k	326k	254k	36k	0.745	44
13706	Prod	LD2	7.937	6.538	6.395	1.332	-35.12	4.509	14	5	0	1.257	758.132	0.072	14.969	189k	236k	193k	34k	0.753	29
13707	Prod	LD2	7.937	6.538	6.395	1.332	-35.12	5.497	14	5	0	1.244	750.985	0.071	21.907	276k	346k	269k	39k	0.746	46
13708	Prod	LD2	7.937	6.538	6.395	1.332	-35.12	5.498	14	5	0	1.25	754.976	0.071	18.723	236k	295k	231k	33k	0.734	29
13709	Prod	LD2	7.937	6.538	6.395	1.332	-35.12	5.567	14	5	0	1.252	755.98	0.072	19.382	244k	306k	240k	34k	0.741	49
13710	Prod	LD2	7.937	6.538	6.395	1.332	-35.12	4.014	14	5	0	1.23	743.815	0.07	13.111	167k	208k	172k	35k	0.723	25
13711	Prod	LD2	7.937	6.538	6.395	1.332	-35.12	5.524	14	5	0	1.22	737.647	0.069	19.431	245k	308k	236k	34k	0.746	33
13712	Prod	LD2	7.937	6.538	6.395	1.332	-35.12	5.196	14	5	0	1.21	732.393	0.068	18.127	229k	287k	221k	35k	0.74	36
13713	Prod	LD2	7.937	6.538	6.395	1.332	-35.12	5.038	14	5	0	1.224	740.577	0.069	17.78	224k	281k	220k	35k	0.742	26
13714	Prod	LD2	7.937	6.538	6.395	1.332	-35.12	5.428	14	0	-1	1.23	745.515	0.069	18.451	3957k	293k	226k	33k	0.73	43
13715	Prod	LD2	7.937	6.538	6.395	1.332	-35.12	5.649	14	5	0	1.237	748.388	0.07	20.008	251k	315k	243k	34k	0.756	41
13716	Prod	LD2	7.937	6.538	6.395	1.332	-35.12	5.525	14	5	0	1.238	749.717	0.071	18.713	235k	296k	230k	33k	0.73	32
13717	Prod	LD2	7.937	6.538	6.395	1.332	-35.12	5.282	14	5	0	1.237	748.593	0.07	18.459	233k	292k	229k	35k	0.747	40
13718	Prod	LD2	7.937	6.538	6.395	1.332	-35.12	4.955	14	5	0	1.224	741.614	0.069	16.944	214k	268k	211k	34k	0.733	38
13719	Prod	LD2	7.937	6.538	6.395	1.332	-35.12	5.246	14	5	0	1.239	750.508	0.07	18.076	228k	287k	224k	34k	0.737	30
13720	Prod	LD2	7.937	6.538	6.395	1.332	-35.12	4.984	14	5	0	1.222	741.282	0.069	20.871	265k	333k	261k	42k	0.746	42
13721	Prod	LD2	7.937	6.538	6.395	1.332	-35.12	5.214	14	5	0	1.181	716.814	0.065	18.558	235k	296k	223k	35k	0.751	38
13722	Prod	LD2	7.937	6.538	6.395	1.332	-35.12	5.505	14	5	0	1.21	733.903	0.068	19.058	240k	302k	230k	34k	0.749	46
13723	Prod	LD2	7.937	6.538	6.395	1.332	-35.12	4.908	14	5	0	1.21	734.695	0.068	19.231	242k	305k	237k	39k	0.746	46
13724	Prod	LD2	7.937	6.538	6.395	1.332	-35.12	5.119	14	5	0	1.227	744.236	0.069	18.323	230k	289k	226k	36k	0.732	42
13725	Prod	LD2	7.937	6.538	6.395	1.332	-35.12	5.087	14	5	0	1.23	746.244	0.07	21.903	276k	347k	272k	43k	0.735	43
13726	Prod	LD2	7.937	6.538	6.395	1.332	-35.12	5.056	14	5	0	1.196	726.658	0.067	16.467	210k	265k	203k	33k	0.736	39
13727	Prod	LD2	7.937	6.538	6.395	1.332	-35.12	3.066	14	5	0	1.214	737.223	0.068	9.436	132k	165k	145k	40k	0.737	27
13728	Prod	LD2	7.937	6.538	6.395	1.332	-35.12	3.985	14	5	0	1.218	739.518	0.069	12.755	171k	215k	175k	36k	0.729	29
13729	Prod	LD2	7.937	6.538	6.395	1.332	-35.12	4.459	14	5	0	1.21	735.47	0.068	14.905	191k	240k	192k	35k	0.736	28
13730	Prod	LD2	7.937	6.538	6.395	1.332	-35.12	4.785	14	5	0	1.209	735.331	0.068	16.333	207k	261k	203k	35k	0.743	35
13731	Prod	LD2	7.937	6.538	6.395	1.332	-35.12	5.361	14	5	0	1.209	735.613	0.068	21.35	269k	340k	259k	39k	0.749	45
13732	Prod	LD2	7.937	6.538	6.395	1.332	-35.12	5.463	14	5	0	1.235	750.972	0.071	19.067	241k	304k	237k	35k	0.754	35
13733	Prod	LD2	7.937	6.538	6.395	1.332	-35.12	5.345	14	5	0	1.239	754.051	0.071	18.661	235k	297k	232k	35k	0.74	46
13734	Prod	LD2	7.937	6.538	6.395	1.332	-35.12	5.301	14	5	0	1.236	750.885	0.07	18.144	230k	290k	226k	34k	0.731	37
13735	Prod	LD2	7.937	6.538	6.395	1.332	-35.12	4.858	14	5	0	1.207	735.024	0.068	18.238	232k	293k	227k	38k	0.741	43
13736	Prod	LD2	7.937	6.538	6.395	1.332	-35.12	4.79	14	5	0	1.227	747.397	0.07	16.383	206k	260k	206k	35k	0.736	35
13737	Prod	LD2	7.937	6.538	6.395	1.332	-35.12	5.09	14	5	0	1.208	735.768	0.068	17.82	225k	284k	219k	35k	0.741	41
13738	Prod	LD2	7.937	6.538	6.395	1.332	-35.12	5.498	14	0	-1	1.234	751.122	0.07	10.102	2154k	160k	123k	18k	0.725	29
13739	Prod	LD2	7.937	6.538	6.395	1.332	-35.12	5.193	14	0	-1	1.235	752.343	0.071	9.165	1960k	146k	115k	18k	0.728	19

13740 Prod	LD2	7.937	6.538	6.395	1.332	-35.12	5.518	14	5	0	1.22	743.438	0.069	24.793	311k	394k	301k	44k	0.726	44
13741 Prod	LD2	7.937	6.538	6.395	1.332	-35.12	4.526	14	5	0	1.235	751.684	0.071	15.117	193k	243k	196k	35k	0.737	30
13742 Prod	LD2	7.937	6.538	6.395	1.332	-35.12	5.006	14	5	0	1.233	750.808	0.07	17.794	228k	288k	226k	36k	0.738	21
13743 Prod	LD2	7.937	6.538	6.395	1.332	-35.12	4.94	14	5	0	1.237	752.143	0.071	16.932	216k	273k	216k	35k	0.743	35
13744 Prod	LD2	7.937	6.538	6.395	1.332	-35.12	0.883	14	5	0	0	0	0	0	1k	0k	10k	10k	0 junk beam off	
13745 Prod	LD2	7.937	6.538	6.395	1.332	-35.12	5.217	14	5	0	1.241	755.809	0.071	19.356	246k	310k	244k	37k	0.735	42
13746 Prod	LD2	7.937	6.538	6.395	1.332	-35.12	5.547	14	5	0	1.242	756.859	0.071	24.841	315k	398k	308k	44k	0.73	50
13747 Prod	LD2	7.937	6.538	6.395	1.332	-35.12	3.39	14	5	0	1.243	758.702	0.072	11.945	152k	190k	167k	40k	0.747	25
13749 Prod	LD2	7.937	6.538	6.395	1.332	-35.12	4.459	14	5	0	1.24	757.185	0.071	15.031	192k	242k	195k	35k	0.737	37

Run	Type	Target	E _{beam}	P _{SHMS}	θ _{SHMS}	P _{HMS}	θ _{HMS}	Current	PS1	PS4	PS5	H_rate(kHz)	P_Rate(kHz)	Coin_Rate(kHz)	Charge(mC)	Raw_HMS	Raw_SHMS	Raw_Coin	EDTM	SHMS_HadT racking	Comments	
13750 Prod	LD2		7.937	6.538	6.395	1.332	-35.12	3.194	14	5	0	1.239	757.29	0.071	10.76	137k	172k	153k	39k	0.735		24
13751 Prod	LD2		7.937	6.538	6.395	1.332	-35.12	4.942	14	5	0	1.236	755.494	0.071	17.128	219k	277k	218k	35k	0.748		35
13752 Prod	LD2		7.937	6.538	6.395	1.332	-35.12	3.931	14	5	0	1.239	758.156	0.071	9.254	117k	148k	124k	25k	0.733		16
13753 Prod	LD2		7.937	6.538	6.395	1.332	-35.12	4.839	14	5	0	1.238	757.08	0.071	17.397	220k	278k	221k	37k	0.742		30
13755 Prod	LD2		7.937	6.538	6.395	1.332	-35.12	2.788	14	5	0	1.233	754.689	0.071	2.087	26k	33k	31k	9k	0.746		12
13756 Prod	LD2		7.937	6.538	6.395	1.332	-35.12	5.073	14	5	0	1.223	749.081	0.07	17.369	219k	278k	217k	35k	0.746		41
13757 Prod	LD2		7.937	6.538	6.395	1.332	-35.12	4.359	14	5	0	1.193	731.747	0.067	14.214	180k	228k	180k	34k	0.74		26
13758 Prod	LD2		7.937	6.538	6.395	1.332	-35.12	4.958	14	5	0	1.192	731.988	0.067	17.257	215k	274k	211k	35k	0.758		47
13760 Prod	LD2		7.937	6.538	6.395	1.332	-35.12	2.607	14	5	0	1.149	704.876	0.063	4.986	64k	80k	74k	24k	0.725		7
13761 Prod	LD2		7.937	6.538	6.395	1.332	-35.12	4.206	14	5	0	1.205	738.775	0.068	12.933	162k	205k	165k	32k	0.742		35
13762 Prod	LD2		7.937	6.538	6.395	1.332	-35.12	4.863	14	5	0	1.215	745.121	0.069	16.555	206k	261k	205k	34k	0.744		25
13763 Prod	LD2		7.937	6.538	6.395	1.332	-35.12	5.516	14	5	0	1.243	755.18	0.08	14.884	187k	235k	209k	53k	0.757		39
13764 Prod	LD2		7.937	6.538	6.395	1.332	-35.12	5.183	14	5	0	1.183	728.289	0.062	13.988	173k	221k	154k	13k	0.751		26
13765 Prod	LD2		7.937	6.538	6.395	1.332	-35.12	3.626	14	0	-1	1.223	749.778	0.07	9.778	2101k	156k	133k	30k	0.733		15
13767 Prod	LD2		7.937	6.538	6.395	1.332	-35.12	4.879	14	5	0	1.157	711.492	0.064	16.249	205k	261k	195k	34k	0.757		
13768 Prod	LD2		7.937	6.538	6.395	1.332	-35.12	5.107	14	5	0	1.159	712.483	0.064	18.833	235k	299k	222k	37k	0.749		27
13769 Prod	LD2		7.937	6.538	6.395	1.332	-35.12	5.147	14	5	0	1.188	729.657	0.066	17.387	217k	277k	209k	34k	0.744		45
13770 Prod	LD2		7.937	6.538	6.395	1.332	-35.12	4.816	14	5	0	1.18	725.02	0.066	15.865	200k	254k	194k	34k	0.742		38
13771 Prod	LD2		7.937	6.538	6.395	1.332	-35.12	4.94	14	5	0	1.187	729.272	0.067	16.704	210k	267k	204k	34k	0.735		22
13772 Prod	LD2		7.937	6.538	6.395	1.332	-35.12	5.314	14	5	0	1.18	725.266	0.066	17.024	212k	270k	202k	32k	0.754		40
13773 Prod	LD2		7.937	6.538	6.395	1.332	-35.12	4.782	14	5	0	1.184	726.97	0.066	20.027	253k	321k	246k	43k	0.749		46
13774 Prod	LD2		7.937	6.538	6.395	1.332	-35.12	5.023	14	5	0	1.167	717.51	0.065	17.413	220k	281k	211k	35k	0.749		37
13775 Prod	LD2		7.937	6.538	6.395	1.332	-35.12	5.378	14	5	0	1.174	721.761	0.065	19.667	245k	312k	232k	36k	0.752		61
13776 Prod	LD2		7.937	6.538	6.395	1.332	-35.12	5.629	14	5	0	1.185	727.774	0.066	19.565	241k	308k	229k	34k	0.741		41
13777 Prod	LD2		7.937	6.538	6.395	1.332	-35.12	5.268	14	5	0	1.154	709.642	0.063	18.527	231k	295k	216k	35k	0.745		43
13778 Prod	LD2		7.937	6.538	6.395	1.332	-35.12	5.101	14	5	0	1.173	720.379	0.065	17.581	220k	281k	211k	35k	0.738		31
13779 Prod	LD2		7.937	6.538	6.395	1.332	-35.12	5.078	14	5	0	1.186	727.62	0.066	17.389	218k	277k	210k	34k	0.732		32
13780 Prod	LD2		7.937	6.538	6.395	1.332	-35.12	4.576	14	5	0	1.155	709.231	0.063	15.455	194k	247k	187k	35k	0.757		31
13781 Prod	LD2		7.937	6.538	6.395	1.332	-35.12	5.059	14	5	0	1.149	705.692	0.063	17.462	220k	280k	206k	34k	0.732		29
13782 Prod	LD2		7.937	6.538	6.395	1.332	-35.12	4.99	14	5	0	1.16	712.54	0.064	17.849	225k	286k	214k	36k	0.732		33
13783 Prod	LD2		7.937	6.538	6.395	1.332	-35.12	3.445	14	5	0	1.139	698.639	0.062	10.648	137k	173k	141k	35k	0.742		21
13784 Prod	LD2		7.937	6.538	6.395	1.332	-35.12	5.208	14	5	0	1.162	713.326	0.064	17.573	219k	279k	207k	33k	0.733		32
13785 Prod	LD2		7.937	6.538	6.395	1.332	-35.12	4.309	14	0	-1	1.216	745.373	0.069	13.808	2965k	221k	177k	34k	0.725		27
13787 Prod	LD2		7.937	6.538	6.395	1.332	-35.12	4.113	14	5	0	1.131	694.813	0.061	12.203	154k	195k	149k	31k	0.746		28
13788 Prod	Dummy10cm		7.937	6.538	6.395	1.332	-35.12	25.001	14	5	0	0.743	701.304	0.044	85.613	132k	257k	136k	33k	0.699		13
13789 Prod	Dummy10cm		7.937	6.538	6.395	1.332	-35.12	22.231	14	5	0	0.758	715.867	0.045	76.475	118k	230k	128k	34k	0.689		23
13790 Prod	Dummy10cm		7.937	6.538	6.395	1.332	-35.12	26.026	14	5	0	0.754	712.908	0.045	98.07	150k	294k	156k	37k	0.69		13
13791 Prod	LD2		7.937	6.538	6.395	1.332	-35.12	4.937	14	5	0	1.181	725.38	0.066	16.345	206k	262k	199k	33k	0.738		30
13792 Prod	LD2		7.937	6.538	6.395	1.332	-35.12	5.112	14	5	0	1.16	713.286	0.064	19.971	251k	320k	238k	39k	0.745		46

13793 Prod	LD2	7.937	6.538	6.395	1.332	-35.12	4.299	14	5	0	1.153	708.268	0.063	14.154	179k	228k	175k	34k	0.734	31
13794 Prod	LD2	7.937	6.538	6.395	1.332	-35.12	5.273	14	5	0	1.162	714.706	0.064	18.624	231k	295k	218k	35k	0.739	37
13795 Prod	LD2	7.937	6.538	6.395	1.332	-35.12	4.635	14	5	0	1.135	699.037	0.062	15.421	195k	248k	185k	34k	0.744	31
13796 Prod	LD2	7.937	6.538	6.395	1.332	-35.12	4.19	14	5	0	1.146	704.804	0.062	14.553	184k	234k	180k	37k	0.743	22
13797 Prod	LD2	7.937	6.538	6.395	1.332	-35.12	4.984	14	5	0	1.123	691.302	0.06	16.986	214k	273k	197k	34k	0.743	37
13798 Prod	LD2	7.937	6.538	6.395	1.332	-35.12	5.083	14	5	0	1.136	700.168	0.062	16.406	204k	260k	191k	32k	0.738	28
13799 Prod	LD2	7.937	6.538	6.395	1.332	-35.12	4.841	14	5	0	1.137	699.961	0.062	17.786	225k	287k	212k	37k	0.737	36

Run	Type	Target	E _{beam}	P _{SHMS}	θ _{SHMS}	P _{HMS}	θ _{HMS}	Current	PS1	PS4	PS5	H_rate (kHz)	P_Rate (kHz)	Coin_Rate (kHz)	Charge(Raw mC)	Raw HMS	Raw SHMS	Raw Coin	EDTM	SHMS_HadT racking	Comments	
13800 Prod	LD2		7.937	6.538	6.395	1.332	-35.12	5.18	14	5	0	1.108	683.186	0.059	18.728	233k	298k	212k	35k	0.733		44
13801 Prod	LD2		7.937	6.538	6.395	1.332	-35.12	4.966	14	5	0	1.1	678.955	0.059	17.097	215k	275k	196k	34k	0.742		36
13802 Prod	LD2		7.937	6.538	6.395	1.332	-35.12	5.162	14	5	0	1.103	680.261	0.059	18.122	225k	288k	205k	34k	0.744		38
13803 Prod	LD2		7.937	6.538	6.395	1.332	-35.12	4.185	14	5	0	1.103	680.283	0.059	14.265	179k	228k	171k	36k	0.733		27
13804 Prod	LD2		7.937	6.538	6.395	1.332	-35.12	4.949	14	5	0	1.106	681.881	0.059	17.222	217k	278k	199k	35k	0.752		43
13805 Prod	LD2		7.937	6.538	6.395	1.332	-35.12	5.049	14	5	0	1.102	678.965	0.059	17.56	220k	282k	201k	35k	0.762		30
13806 Prod	LD2		7.937	6.538	6.395	1.332	-35.12	3.43	14	5	0	1.097	676.207	0.058	6.462	85k	108k	85k	22k	0.756		21
13807 Prod	LD2		7.937	6.538	6.395	1.332	-35.12	4.348	14	5	0	1.108	683.093	0.059	14.032	180k	230k	170k	34k	0.74		41
13808 Prod	LD2		7.937	6.538	6.395	1.332	-35.12	4.535	14	5	0	1.113	686.14	0.06	15.612	199k	254k	187k	36k	0.735		36
13809 Prod	LD2		7.937	6.538	6.395	1.332	-35.12	4.884	14	0	-1	1.121	690.547	0.06	16.407	352k	265k	192k	34k	0.733		35
13810 Prod	LD2		7.937	6.538	6.395	1.332	-35.12	4.961	14	5	0	1.125	694.189	0.061	18.994	240k	307k	224k	39k	0.745		34
13811 Prod	LD2		7.937	6.538	6.395	1.332	-35.12	5.032	14	5	0	1.126	694.526	0.061	21.315	266k	340k	247k	42k	0.734		49
13812 Prod	LD2		7.937	6.538	6.395	1.332	-35.12	4.743	14	5	0	1.131	697.07	0.061	16.749	211k	270k	199k	36k	0.743		47
13813 Prod	LD2		7.937	6.538	6.395	1.332	-35.12	5.179	14	5	0	1.162	715.573	0.064	17.919	225k	287k	213k	35k	0.737		38
13814 Prod	LD2		7.937	6.538	6.395	1.332	-35.12	5.129	14	5	0	1.129	695.043	0.061	18.089	226k	289k	209k	35k	0.75		33
13815 Prod	LD2		7.937	6.538	6.395	1.332	-35.12	5.314	14	5	0	1.134	698.922	0.062	19.047	236k	302k	219k	35k	0.745		34
13816 Prod	LD2		7.937	6.538	6.395	1.332	-35.12	4.984	14	5	0	1.141	703.446	0.062	17.199	217k	277k	204k	35k	0.756		34
13817 Prod	LD2		7.937	6.538	6.395	1.332	-35.12	4.874	14	5	0	1.113	685.821	0.059	17.96	224k	287k	207k	37k	0.748		33
13818 Prod	LD2		7.937	6.538	6.395	1.332	-35.12	5.147	14	5	0	1.108	683.425	0.059	22.644	282k	360k	258k	43k	0.753		45
13819 Prod	LD2		7.937	6.538	6.395	1.332	-35.12	4.78	14	5	0	1.107	683.456	0.059	15.754	197k	253k	182k	33k	0.727		24
13820 Prod	LD2		7.937	6.538	6.395	1.332	-35.12	5.235	14	5	0	1.104	681.352	0.059	19.633	242k	310k	219k	36k	0.744		37
13821 Prod	LD2		7.937	6.538	6.395	1.332	-35.12	2.432	14	5	0	1.107	683.115	0.06	3.083	41k	52k	48k	18k	0.75		9
13822 Prod	LD2		7.937	6.538	6.395	1.332	-35.12	4.949	14	5	0	1.101	678.976	0.059	20.05	250k	320k	229k	40k	0.751		50
13823 Prod	LD2		7.937	6.538	6.395	1.332	-35.12	4.972	14	5	0	1.101	679.438	0.059	20.872	260k	332k	238k	42k	0.742		33
13824 Prod	LD2		7.937	6.538	6.395	1.332	-35.12	5.057	14	5	0	1.107	682.818	0.059	17.609	219k	281k	202k	34k	0.739		41
13825 Prod	LD2		7.937	6.538	6.395	1.332	-35.12	5.014	14	5	0	1.116	688.032	0.06	17.398	217k	277k	199k	34k	0.731		46
13826 Prod	LD2		7.937	6.538	6.395	1.332	-35.12	3.948	14	5	0	1.117	688.621	0.06	12.789	161k	205k	158k	35k	0.737		17
13827 Prod	LD2		7.937	6.538	6.395	1.332	-35.12	4.937	14	5	0	1.137	699.93	0.062	17.094	213k	272k	200k	35k	0.761		30
13829 Prod	LD2		7.937	6.538	6.395	1.332	-35.12	4.964	14	5	0	1.172	722.485	0.065	18.194	226k	289k	217k	37k	0.747		42
13830 Prod	LD2		7.937	6.538	6.395	1.332	-35.12	5.271	14	5	0	1.17	721.323	0.065	19.951	249k	319k	237k	38k	0.747		39
13831 Prod	LD2		7.937	6.538	6.395	1.332	-35.12	5.251	14	5	0	1.163	717.137	0.064	19.204	240k	307k	228k	36k	0.744		32
13832 Prod	LD2		7.937	6.538	6.395	1.332	-35.12	4.786	14	0	-1	1.165	717.456	0.064	17.631	3745k	281k	212k	37k	0.732		36
13833 Prod	LD2		7.937	6.538	6.395	1.332	-35.12	4.746	14	5	0	1.18	726.245	0.066	15.96	198k	253k	194k	34k	0.738		23
13834 Prod	LD2		7.937	6.538	6.395	1.332	-35.12	4.586	14	5	0	1.169	719.469	0.065	16.14	203k	259k	198k	36k	0.75		31
13835 Prod	LD2		7.937	6.538	6.395	1.332	-35.12	4.083	14	5	0	1.165	717.106	0.064	13.335	170k	216k	169k	35k	0.742		31
13837 Prod	LD2		7.937	6.538	6.395	1.332	-35.12	4.215	14	5	0	1.14	703.322	0.062	16.629	208k	266k	203k	41k	0.735		29
13838 Prod	LD2		7.937	6.538	6.395	1.332	-35.12	5.013	14	5	0	1.163	717.748	0.065	17.27	217k	278k	208k	35k	0.746		40
13840 Prod	LD2		7.937	6.538	6.395	1.332	-35.12	5.073	14	5	0	1.165	719.007	0.065	17.101	214k	274k	204k	34k	0.745		44
13841 Prod	LD2		7.937	6.538	6.395	1.332	-35.12	4.79	14	5	0	1.151	710.182	0.063	17.758	223k	285k	213k	37k	0.73		28
13842 Prod	LD2		7.937	6.538	6.395	1.332	-35.12	5.14	14	5	0	1.131	699.805	0.061	20.075	251k	322k	233k	39k	0.739		45
13843 Prod	LD2		7.937	6.538	6.395	1.332	-35.12	4.548	14	5	0	1.131	698.535	0.061	16.327	210k	269k	199k	37k	0.752		31

13844 Prod	LD2	7.937	6.538	6.395	1.332	-35.12	5.277	14	5	0	1.15	711.128	0.063	18.473 229k	294k	215k	34k	0.744 49 pion events
13845 Prod	LD2	7.937	6.538	6.395	1.332	-35.12	5.034	14	5	0	1.158	715.608	0.064	16.98 213k	273k	204k	34k	0.739 31 pions
13846 Prod	LD2	7.937	6.538	6.395	1.332	-35.12	5.136	14	5	0	1.13	700.262	0.061	17.948 223k	286k	207k	34k	0.747 41 pion events
13847 Prod	LD2	7.937	6.538	6.395	1.332	-35.12	5.128	14	5	0	1.159	716.181	0.064	17.878 224k	286k	212k	35k	0.739 39 pion events
13848 Prod	LD2	7.937	6.538	6.395	1.332	-35.12	3.391	14	5	0	1.171	723.725	0.065	10.66 134k	171k	142k	35k	0.747 36 pion events
13849 Prod	LD2	7.937	6.538	6.395	1.332	-35.12	4.333	14	5	0	1.147	708.196	0.063	14.501 182k	232k	177k	35k	0.744 29 pion events
13850 Prod	LD2	7.937	6.538	6.395	1.332	-35.12	5.352	14	5	0	1.169	722.482	0.065	18.582 231k	297k	220k	34k	0.747 41 pion events

Heep Singles

Run	Type	Target	E _{beam}	P _{SHMS}	θ _{SHMS}	P _{HMS}	θ _{HMS}	Current	PS1	PS4	PS5	H_rate(kHz)	P_Rate(kHz)	Coin_Rate(kHz)	Charge(mC)	Raw HMS	Raw SHMS	Raw Coin	EDTM	SHMS_HadT racking	Comments
13854	HeePSing	LH2	7.937	7.337	8.255	5.202	-19.885	25.159	10	0	-1	0.454	399.435	399.435	18.268 291k	497k	497k	7k		0.991 29583 SHMS 12838 HMS	
13855	HeePSing	Dummy10cm	7.937	7.337	8.255	5.202	-19.885	29.399	8	0	-1	0.147	151.09	151.09	12.693 64k	508k	508k	4k		0.996	
13857	HeePSing	Dummy10cm	7.937	6.538	10.255	4.395	-25.025	37.274	7	0	-1	0.04	60.488	60.488	13.557 14k	325k	325k	4k		0.997	
13858	HeePSing	LH2	7.937	6.538	10.255	4.395	-25.025	33.002	9	0	-1	0.106	180.454	180.454	37.426 98k	632k	632k	11k		0.994	
13859	HeePSing	LH2	7.937	5.512	17.795	4.395	-25.025	33.895	3	0	-1	0.106	4.504	4.504	35.801 93k	772k	772k	11k		0.998	
13860	HeePSing	LH2	7.937	5.512	17.795	4.395	-25.025	40.801	3	0	-1	0.107	4.566	4.566	25.85 65k	558k	558k	6k		0.998	
13863	HeePSing	Dummy10cm	7.937	5.512	17.795	4.395	-25.025	36.376	5	0	-1	0.039	1.313	1.313	14.473 15k	29k	29k	4k		0.998 Prescales set too high	
13865	HeePSing	Dummy10cm	7.937	5.512	17.795	4.395	-25.025	35.973	0	0	-1	0.039	1.289	1.289	12.835 13k	438k	438k	4k		0.998	
13866	HeePSing	Dummy10cm	7.937	5.422	19.88	3.738	-31.15	39.098	0	0	-1	0.014	0.486	0.486	15.512 6k	193k	193k	4k		0.998	
13867	HeePSing	LH2	7.937	5.422	19.88	3.738	-31.15	30.273	1	0	-1	0.024	2.723	2.723	9.647 5k	194k	194k	3k		0.997	
13868	HeePSing	LH2	7.937	5.422	19.88	3.738	-31.15	49.317	0	0	-1	0.023	2.516	2.516	38.71 16k	1546k	1546k	8k		0.997	
13869	HeePSing	LH2	7.937	3.493	30.02	3.738	-31.15	53.112	0	0	-1	0.023	0.316	0.316	99.879 39k	511k	511k	19k		0.999	
13870	HeePSing	LH2	7.937	3.493	30.02	3.738	-31.15	51.026	0	0	-1	0.023	0.321	0.321	29.837 12k	153k	153k	6k		0.999	
13871	HeePSing	LH2	7.937	3.493	30.02	3.738	-31.15	41.111	0	0	-1	0.023	0.318	0.318	135.343 61k	711k	711k	33k		0.999	
13872	HeePSing	LH2	7.937	3.493	30.02	3.738	-31.15	52.974	0	0	-1	0.023	0.325	0.325	221.025 86k	1135k	1135k	42k		0.998	
13873	HeePSing	Dummy10cm	7.937	3.493	30.02	3.738	-31.15	19.226	0	0	-1	0.014	0.076	0.076	17.784 12k	46k	46k	10k		0.999	
13920	HeePSing	LH2	7.937	7.337	8.255	5.202	-19.885	27.825	10	0	-1	0.744	399.124	399.124	28.01 737k	760k	760k	302k		0.991 follow up	

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Lumi Scan

13874	Lumi	LH2	7.937	4.5	8.495	4.1	-12.5	64.77	10	8	-1	109.274	819.344	819.344	42.911 556k	1049k	1049k	25k		0.941
13875	Lumi	LH2	7.937	4.5	8.495	4.1	-12.5	0	10	8	-1	0	0	0	0k	0k	0k	0k		0
13876	Lumi	LH2	7.937	4.5	8.495	4.1	-12.5	42.76	10	7	-1	90.32	683.987	683.987	36.205 957k	911k	911k	51k		0.953
13877	Lumi	LH2	7.937	4.5	8.495	4.1	-12.5	31.922	10	7	-1	67.316	511.872	511.872	20.531 555k	530k	530k	39k		0.967
13878	Lumi	LH2	7.937	4.5	8.495	4.1	-12.5	23.123	9	6	-1	42.313	330.065	330.065	15.285 805k	805k	805k	39k		0.971
13879	Lumi	LH2	7.937	4.5	8.495	4.1	-12.5	17.609	9	6	-1	31.148	241.639	241.639	11.049 593k	591k	591k	37k		0.97
13880	Lumi	LH2	7.937	4.5	8.495	4.1	-12.5	9.328	8	5	-1	17.254	135.56	135.56	6.422 675k	698k	698k	39k		0.976
13881	Lumi	LH2	7.937	4.5	8.495	4.1	-12.5	5.076	7	4	-1	9.621	77.52	77.52	3.311 664k	739k	739k	20k		0.979
13882	Lumi	Dummy10cm	7.937	4.5	8.495	4.1	-12.5	33.979	9	6	-1	22.984	190.811	190.811	40.445 729k	776k	776k	9k		0.962
13885	Lumi	LD2	7.937	4.5	8.495	4.1	-12.5	39.585	11	8	-1	131.665	982.83	982.83	25.286 652k	612k	612k	11k		0.945
13886	Lumi	LD2	7.937	4.5	8.495	4.1	-12.5	21.793	10	7	-1	79.607	611.467	611.467	14.89 777k	755k	755k	21k		0.961
13887	Lumi	LD2	7.937	4.5	8.495	4.1	-12.5	17.747	10	7	-1	60.852	472.107	472.107	11.303 596k	586k	586k	20k		0.966
13891	Lumi	LD2	7.937	4.5	8.495	4.1	-12.5	7.698	9	6	-1	33.693	267.487	267.487	6.845 724k	733k	733k	27k		0.974 lumiscan
13892	Lumi	LD2	7.937	4.5	8.495	4.1	-12.5	4.123	9	6	-1	19.434	153.189	153.189	3.85 429k	428k	428k	29k		0.981 lumiscan
13893	Lumi	LD2	7.937	4.5	8.495	4.1	-12.5	23.695	8	5	-1	137.243	1008.875	1008.875	7.378 1430k	1383k	1383k	6k		0.94 lumiscan
13894	Lumi	LD2	7.937	4.5	8.495	4.1	-12.5	5.559	8	5	-1	19.729	154.972	154.972	3.498 728k	753k	753k	35k		0.979 lumiscan
13897	Lumi	CarbonOp5	7.937	4.5	8.495	4.1	-12.5	56.596	8	5	-1	18.807	143.574	143.574	105.902 2017k	2028k	2028k	54k		0.968 lumiscan
13898	Lumi	CarbonOp5	7.937	4.5	8.495	4.1	-12.5	43.26	8	5	-1	16.549	126.268	126.268	68.64 1319k	1321k	1321k	46k		0.964 lumiscan
13903	Lumi	CarbonOp5	7.937	4.5	8.495	4.1	-12.5	54.429	8	5	-1	18.083	135.408	135.408	44.385 867k	856k	856k	47k		0.967
13904	Lumi	CarbonOp5	7.937	4.5	8.495	4.1	-12.5	34.039	8	5	-1	11.675	90.254	90.254	39.383 746k	760k	760k	13k		0.968
13905	Lumi	CarbonOp5	7.937	4.5	8.495	4.1	-12.5	34.568	8	5	-1	16.001	113.478	113.478	25.71 553k	503k	503k	86k		0.971

13910 Lumi CarbonOp5 7.937 4.5 8.495 4.1 -12.5 4.824 5 2 -1 1.683 12.842 12.842 0.193 666k 896k 896k 23k 0.972

Q2=6.00 W=2.40 LD+ low e SHMS right

Run	Type	Target	E _{beam}	P _{SHMS}	θ _{SHMS}	P _{HMS}	θ _{HMS}	Current	PS1	PS4	PS5	H_rate(kHz)	P_Rate(kHz)	Coin_Rate(kHz)	Charge(mC)	Raw HMS	Raw SHMS	Raw Coin	EDTM	SHMS_HadT racking	Comments
13921	Prod	LD2	7.937	5.512	9.115	2.139	-34.575	59.252	13	5	0	1.393	507.635	0.06	209.173	257k	388k	191k	35k	0.97	846
13923	Prod	LD2	7.937	5.512	9.115	2.139	-34.575	58.852	13	5	0	1.384	504.48	0.059	213.991	262k	397k	195k	36k	0.971	724
13924	Prod	LD2	7.937	5.512	9.115	2.139	-34.575	60.84	13	0	-1	1.407	513.571	0.06	244.772	5100k	454k	222k	39k	0.97	859
13925	Prod	LD2	7.937	5.512	9.115	2.139	-34.575	61.596	13	5	0	1.395	509.401	0.06	226.47	277k	420k	204k	36k	0.97	803
13926	Prod	LD2	7.937	5.512	9.115	2.139	-34.575	63.881	13	5	0	1.408	514.931	0.06	244.726	299k	454k	221k	37k	0.971	822
13927	Prod	LD2	7.937	5.512	9.115	2.139	-34.575	63.62	13	5	0	1.393	509.479	0.06	216.511	264k	401k	195k	33k	0.973	758
13928	Prod	LD2	7.937	5.512	9.115	2.139	-34.575	40.63	13	5	0	1.389	507.036	0.059	145.721	179k	270k	144k	36k	0.97	519
13929	Prod	LD2	7.937	5.512	9.115	2.139	-34.575	49.056	13	5	0	1.407	514.587	0.06	171.121	210k	317k	162k	34k	0.97	642
13930	Prod	LD2	7.937	5.512	9.115	2.139	-34.575	40.555	13	5	0	1.354	495.036	0.058	145.065	178k	269k	143k	35k	0.968	492
13931	Prod	LD2	7.937	5.512	9.115	2.139	-34.575	59.952	13	5	0	1.392	510.482	0.06	230.863	282k	429k	210k	38k	0.971	785
13932	Prod	LD2	7.937	5.512	9.115	2.139	-34.575	59.312	13	5	0	1.387	508.738	0.06	201.284	246k	374k	184k	33k	0.971	726
13933	Prod	Dummy10cm	7.937	5.512	9.115	2.139	-34.575	34.451	13	5	0	0.164	32.635	0.01	45.948	12k	10k	14k	13k	0.987	20
13934	Prod	Dummy10cm	7.937	5.512	9.115	2.139	-34.575	36.299	9	2	0	0.167	33.385	0.011	129.905	186k	431k	38k	36k	0.993	39
13935	Prod	Dummy10cm	7.937	5.512	9.115	2.139	-34.575	32.988	9	2	0	0.168	33.545	0.011	116.952	168k	388k	37k	35k	0.997	32
13936	Prod	LD2	7.937	5.512	9.115	2.139	-34.575	56.866	13	5	0	1.374	504.62	0.059	213.241	261k	397k	196k	37k	0.97	712
13937	Prod	LD2	7.937	5.512	9.115	2.139	-34.575	53.612	13	5	0	1.351	495.932	0.058	206.882	253k	385k	191k	38k	0.971	728
13938	Prod	LD2	7.937	5.512	9.115	2.139	-34.575	58.465	13	5	0	1.358	499.053	0.058	205.85	251k	383k	187k	35k	0.97	715
13939	Prod	LD2	7.937	5.512	9.115	2.139	-34.575	65.105	13	5	0	1.403	515.974	0.06	236.786	288k	440k	213k	36k	0.97	792
13940	Prod	LD2	7.937	5.512	9.115	2.139	-34.575	46.85	13	5	0	1.322	485.68	0.057	160.839	196k	298k	152k	34k	0.972	536
13941	Prod	LD2	7.937	5.512	9.115	2.139	-34.575	60.405	13	5	0	1.369	503.349	0.059	200.672	244k	372k	182k	33k	0.971	689
13942	Prod	LD2	7.937	5.512	9.115	2.139	-34.575	62.148	13	5	0	1.377	506.411	0.059	216.092	263k	401k	194k	34k	0.971	768
13943	Prod	LD2	7.937	5.512	9.115	2.139	-34.575	62.74	13	5	0	1.396	513.828	0.06	228.014	277k	423k	205k	36k	0.974	816
13944	Prod	LD2	7.937	5.512	9.115	2.139	-34.575	58.287	13	5	0	1.394	513.283	0.06	212.753	259k	395k	194k	36k	0.972	737
13945	Prod	LD2	7.937	5.512	9.115	2.139	-34.575	47.145	13	5	0	1.365	501.588	0.058	155.205	190k	288k	147k	33k	0.972	527
13946	Prod	LD2	7.937	5.512	9.115	2.139	-34.575	64.171	13	5	0	1.398	514.755	0.06	228.723	278k	425k	205k	35k	0.971	768
13947	Prod	LD2	7.937	5.512	9.115	2.139	-34.575	45.573	13	5	0	1.384	509.673	0.059	157.092	191k	291k	150k	34k	0.971	568
13948	Prod	LD2	7.937	5.512	9.115	2.139	-34.575	63.57	13	5	0	1.393	513.005	0.06	226.149	275k	419k	202k	35k	0.971	763
13949	Prod	LD2	7.937	5.512	9.115	2.139	-34.575	63.094	13	5	0	1.384	509.722	0.06	216.172	262k	401k	194k	33k	0.972	743

Q2=6.00 W=2.40 LH+ low e SHMS right

Run	Type	Target	E _{beam}	P _{SHMS}	θ _{SHMS}	P _{HMS}	θ _{HMS}	Current	PS1	PS4	PS5	H_rate(kHz)	P_Rate(kHz)	Coin_Rate(kHz)	Charge(mC)	Raw HMS	Raw SHMS	Raw Coin	EDTM	SHMS_HadT racking	Comments
13950	Prod	LH2	7.937	5.512	9.115	2.139	-34.575	59.748	12	4	0	0.609	273.957	0.023	212.785	213k	420k	76k	35k	0.984	720
13952	Prod	LH2	7.937	5.512	9.115	2.139	-34.575	58.243	12	4	0	0.59	264.809	0.022	218.157	218k	430k	77k	37k	0.983	773
13953	Prod	LH2	7.937	5.512	9.115	2.139	-34.575	58.318	12	4	0	0.598	269.01	0.022	206.876	207k	408k	74k	35k	0.981	714
13954	Prod	LH2	7.937	5.512	9.115	2.139	-34.575	57.15	12	4	0	0.597	268.502	0.022	200.175	200k	394k	72k	35k	0.983	662
13955	Prod	LH2	7.937	5.512	9.115	2.139	-34.575	46.128	12	4	0	0.58	260.831	0.022	123.893	125k	244k	50k	27k	0.982	448
13957	Prod	LH2	7.937	5.512	9.115	2.139	-34.575	58.351	12	4	0	0.598	269.77	0.022	223.29	223k	441k	80k	38k	0.98	744
13958	Prod	LH2	7.937	5.512	9.115	2.139	-34.575	62.757	13	4	0	0.604	272.845	0.023	222.494	222k	220k	77k	35k	0.98	744
13959	Prod	LH2	7.937	5.512	9.115	2.139	-34.575	67.456	13	4	0	0.612	277.179	0.023	206.386	205k	204k	69k	30k	0.984	729
13960	Prod	LH2	7.937	5.512	9.115	2.139	-34.575	49.447	13	4	0	0.594	268.381	0.022	97.998	98k	97k	38k	20k	0.983	332
13961	Prod	LH2	7.937	5.512	9.115	2.139	-34.575	63.524	13	4	0	0.61	276.191	0.023	246.158	245k	243k	85k	38k	0.982	845
13962	Prod	LH2	7.937	5.512	9.115	2.139	-34.575	62.366	13	4	0	0.605	274.519	0.023	195.712	194k	193k	68k	31k	0.979	634
13963	Prod	LH2	7.937	5.512	9.115	2.139	-34.575	56.991	13	4	0	0.6	271.848	0.022	199.082	198k	197k	72k	35k	0.984	632
13967	Prod	LH2	7.937	5.512	9.115	2.139	-34.575	36.066	13	4	0	0.578	261.711	0.022	127.116	128k	125k	59k	35k	0.979	407
13968	Prod	LH2	7.937	5.512	9.115	2.139	-34.575	25.238	13	4	0	0.583	264.499	0.022	87.493	89k	86k	51k	35k	0.984	282

13969 Prod	LH2	7.937	5.512	9.115	2.139	-34.575	61.291	13	4	0	0.593	269.08	0.022	223.353	222k	221k	77k	36k	0.982	727
13970 Prod	LH2	7.937	5.512	9.115	2.139	-34.575	53.187	13	4	0	0.588	266.799	0.022	216.622	215k	214k	80k	40k	0.982	766
13971 Prod	LH2	7.937	5.512	9.115	2.139	-34.575	56.675	13	4	0	0.59	268.259	0.022	177.174	176k	175k	64k	31k	0.982	633
13972 Prod	LH2	7.937	5.512	9.115	2.139	-34.575	60.417	13	4	0	0.591	268.408	0.022	215.782	214k	213k	76k	35k	0.982	764
13973 Prod	LH2	7.937	5.512	9.115	2.139	-34.575	52.966	13	4	0	0.58	262.701	0.022	196.234	195k	194k	73k	37k	0.981	613
13974 Prod	LH2	7.937	5.512	9.115	2.139	-34.575	60.078	13	4	0	0.59	268.176	0.022	208.214	206k	206k	73k	34k	0.984	58
13975 Prod	LH2	7.937	5.512	9.115	2.139	-34.575	56.528	13	4	0	0.581	263.714	0.022	238.744	238k	236k	86k	42k	0.981	785
13976 Prod	LH2	7.937	5.512	9.115	2.139	-34.575	54.636	13	4	0	0.58	263.36	0.022	203.469	203k	202k	74k	37k	0.981	643
13977 Prod	LH2	7.937	5.512	9.115	2.139	-34.575	45.047	13	4	0	0.587	267.362	0.022	180.281	180k	179k	73k	40k	0.98	158
13978 Prod	LH2	7.937	5.512	9.115	2.139	-34.575	27.295	13	0	-1	0.504	226.582	0.02	20.649	190k	20k	11k	8k	0.981	67
13979 Prod	LH2	7.937	5.512	9.115	2.139	-34.575	19.488	13	0	-1	0.576	262.932	0.022	15.895	148k	16k	11k	8k	0.983	762
13980 Prod	LH2	7.937	5.512	9.115	2.139	-34.575	60.744	13	0	-1	0.594	271.201	0.022	230.484	2052k	228k	81k	37k	0.98	641
13981 Prod	LH2	7.937	5.512	9.115	2.139	-34.575	58.914	13	4	0	0.589	268.697	0.022	206.422	205k	205k	73k	35k	0.984	694
13982 Prod	LH2	7.937	5.512	9.115	2.139	-34.575	66.262	13	4	0	0.599	273.976	0.023	49.732	49k	49k	17k	7k	0.982	898

Q2=6.00 W=2.40 LH+ low e SHMS center

Run	Type	Target	E _{beam}	P _{SHMS}	θ _{SHMS}	P _{HMS}	θ _{HMS}	Current	PS1	PS4	PS5	H_rate(kHz)	P_Rate(kHz)	Coin_Rate(kHz)	Charge(mC)	Raw HMS	Raw SHMS	Raw Coin	EDTM	SHMS_HadT racking	Comments	
13983 Prod	LH2		7.937	5.512	11.12	2.139	-34.575	50.943	13	4	0	0.571	106.261	0.016	196.505	196k	80k	57k	38k	0.988		865
13984 Prod	LH2		7.937	5.512	11.12	2.139	-34.575	48.25	13	4	0	0.592	110.533	0.016	168.811	169k	69k	51k	35k	0.99		737
13985 Prod	LH2		7.937	5.512	11.12	2.139	-34.575	44.036	13	4	0	0.558	103.91	0.016	179.182	179k	73k	58k	41k	0.989		648
13986 Prod	LH2		7.937	5.512	11.12	2.139	-34.575	48.902	13	2	0	0.6	112.14	0.016	193.505	578k	79k	58k	40k	0.991		694
13987 Prod	LH2		7.937	5.512	11.12	2.139	-34.575	52.492	13	2	0	0.591	110.604	0.016	234.157	698k	95k	67k	44k	0.989		796
13988 Prod	LH2		7.937	5.512	11.12	2.139	-34.575	61.629	13	2	0	0.599	111.905	0.016	222.011	660k	90k	57k	36k	0.99		677
13990 Prod	LH2		7.937	5.512	11.12	2.139	-34.575	61.936	13	1	0	0.592	110.803	0.016	194.9	869k	79k	50k	31k	0.99		772
13991 Prod	LH2		7.937	5.512	11.12	2.139	-34.575	40.127	13	1	0	0.589	110.203	0.016	173.683	783k	71k	60k	43k	0.99		683
13994 Prod	LH2		7.937	5.512	11.12	2.139	-34.575	33.023	13	1	0	0.391	71.518	0.014	117.398	534k	47k	46k	36k	0.993		466
13995 Prod	LH2		7.937	5.512	11.12	2.139	-34.575	6.353	13	1	0	0.563	105.44	0.016	12.446	66k	5k	23k	22k	0.994		45
13996 Prod	LH2		7.937	5.512	11.12	2.139	-34.575	60.751	13	1	0	0.588	109.997	0.016	217.675	970k	88k	57k	36k	0.99		854
13997 Prod	LH2		7.937	5.512	11.12	2.139	-34.575	58.37	13	1	0	0.599	112.316	0.016	224.317	999k	91k	60k	38k	0.991		893
13998 Prod	LH2		7.937	5.512	11.12	2.139	-34.575	61.778	13	1	0	0.596	111.598	0.017	49.562	221k	20k	13k	8k	0.983		208
14000 Prod	LH2		7.937	5.512	11.12	2.139	-34.575	57.787	11	3	0	0.585	109.734	0.016	206.312	367k	335k	55k	36k	0.99		778
14001 Prod	LH2		7.937	5.512	11.12	2.139	-34.575	57.091	11	3	0	0.587	110.131	0.016	222.439	396k	361k	60k	39k	0.991	10126 pi/n events	
14002 Prod	LH2		7.937	5.512	11.12	2.139	-34.575	59.937	11	0	-1	0.595	111.399	0.016	247.005	2199k	401k	65k	41k	0.989		935
14003 Prod	LH2		7.937	5.512	11.12	2.139	-34.575	51.517	11	3	0	0.59	110.781	0.016	209.914	374k	341k	60k	41k	0.989		774
14004 Prod	LH2		7.937	5.512	11.12	2.139	-34.575	46.995	11	3	0	0.587	109.962	0.016	172.211	308k	280k	53k	37k	0.99		672
14005 Prod	LH2		7.937	5.512	11.12	2.139	-34.575	55.267	11	3	0	0.591	110.869	0.016	251.245	447k	408k	69k	45k	0.991		999
14006 Prod	LH2		7.937	5.512	11.12	2.139	-34.575	58.134	11	3	0	0.59	110.787	0.016	229.95	409k	374k	61k	39k	0.99		878
14007 Prod	LH2		7.937	5.512	11.12	2.139	-34.575	21.165	11	3	0	0.531	99.477	0.016	72.165	133k	117k	42k	35k	0.994		282
14008 Prod	LH2		7.937	5.512	11.12	2.139	-34.575	59.876	11	3	0	0.59	111.078	0.016	215.795	384k	352k	56k	36k	0.991		827
14009 Prod	LH2		7.937	5.512	11.12	2.139	-34.575	51.268	11	3	0	0.584	109.967	0.016	181.206	323k	295k	53k	35k	0.989		681
14010 Prod	LH2		7.937	5.512	11.12	2.139	-34.575	59.466	11	3	0	0.592	111.333	0.016	211.343	376k	344k	56k	35k	0.991		839
14011 Prod	LH2		7.937	5.512	11.12	2.139	-34.575	31.864	11	3	0	0.596	111.98	0.016	74.656	135k	122k	31k	24k	0.989		288
14012 Prod	LH2		7.937	5.512	11.12	2.139	-34.575	46.239	11	3	0	0.577	108.388	0.016	165.842	297k	270k	52k	36k	0.99		676
14013 Prod	LH2		7.937	5.512	11.12	2.139	-34.575	61.793	11	3	0	0.593	111.631	0.016	217.795	387k	355k	56k	35k	0.989		838
14014 Prod	LH2		7.937	5.512	11.12	2.139	-34.575	58.192	11	3	0	0.587	110.46	0.016	207.068	369k	337k	55k	35k	0.993		819
14015 Prod	LH2		7.937	5.512	11.12	2.139	-34.575	64.483	11	3	0	0.599	112.753	0.016	113.984	202k	186k	28k	18k	0.989		431
14016 Prod	Dummy10cm		7.937	5.512	11.12	2.139	-34.575	35.33	8	1	0	0.161	14.906	0.01	99.261	208k	298k	29k	28k	1		25
14017 Prod	Dummy10cm		7.937	5.512	11.12	2.139	-34.575	33.769	8	1	0	0.16	14.95	0.01	69.261	145k	208k	21k	20k	0.996		12

Q2=6.00 W=2.40 LD+ low e SHMS center

Run Type	Target	E _{beam}	P _{SHMS}	θ _{SHMS}	P _{HMS}	θ _{HMS}	Current	PS1	PS4	PS5	H_rate(kHz)	P_Rate(kHz)	Coin_Rate(kHz)	Charge(mC)	Raw HMS	Raw SHMS	Raw Coin	EDTM	SHMS_HadT racking	Comments
14018 Prod	LD2	7.937	5.512	11.12	2.139	-34.575	58.477	11	3	0	1.331	211.639	0.031	218.747 884k	685k	108k	37k	0.985	905	
14019 Prod	LD2	7.937	5.512	11.12	2.139	-34.575	62.117	11	3	0	1.327	211.36	0.031	204.575 825k	641k	100k	33k	0.986	862	
14020 Prod	LD2	7.937	5.512	11.12	2.139	-34.575	62.264	12	4	0	1.335	212.938	0.032	71.712 161k	112k	35k	11k	0.983	282	
14021 Prod	LD2	7.937	5.512	11.12	2.139	-34.575	61.957	12	4	0	1.335	212.593	0.032	224.461 503k	352k	110k	36k	0.985	946	
14022 Prod	LD2	7.937	5.512	11.12	2.139	-34.575	53.815	12	4	0	1.307	208.009	0.031	189.69 426k	297k	97k	35k	0.984	887	
14023 Prod	LD2	7.937	5.512	11.12	2.139	-34.575	55.602	12	4	0	1.308	208.356	0.031	201.466 451k	315k	102k	36k	0.985	821	
14024 Prod	LD2	7.937	5.512	11.12	2.139	-34.575	67.101	12	4	0	1.342	215.335	0.031	8.238 18k	13k	4k	1k	0.982 fADC mode 10		
14026 Prod	LD2	7.937	5.512	11.12	2.139	-34.575	63.257	12	0	-1	1.336	213.013	0.032	232.422 4679k	364k	112k	36k	0.984	987	
14027 Prod	LD2	7.937	5.512	11.12	2.139	-34.575	57.183	12	4	0	1.331	212.108	0.032	218.704 490k	343k	110k	38k	0.984	1004	
14028 Prod	LD2	7.937	5.512	11.12	2.139	-34.575	49.665	12	4	0	1.285	204.52	0.031	188.814 425k	296k	99k	38k	0.985	832	
14029 Prod	LD2	7.937	5.512	11.12	2.139	-34.575	59.262	12	4	0	1.329	211.919	0.032	213.154 478k	335k	106k	36k	0.984	874	
14030 Prod	LD2	7.937	5.512	11.12	2.139	-34.575	60.591	12	4	0	1.339	213.653	0.032	216.383 485k	340k	106k	35k	0.983	897	
14031 Prod	LD2	7.937	5.512	11.12	2.139	-34.575	49.158	12	4	0	1.31	208.863	0.031	185.154 416k	291k	98k	37k	0.984	825	
14032 Prod	LD2	7.937	5.512	11.12	2.139	-34.575	54.596	12	4	0	1.31	209.101	0.031	195.458 439k	307k	99k	36k	0.982	819	
14033 Prod	LD2	7.937	5.512	11.12	2.139	-34.575	52.98	12	4	0	1.325	211.594	0.032	192.907 432k	303k	100k	36k	0.983	868	
14034 Prod	LD2	7.937	5.512	11.12	2.139	-34.575	57.498	12	4	0	1.33	212.454	0.032	204.088 457k	320k	102k	35k	0.986	813	
14035 Prod	LD2	7.937	5.512	11.12	2.139	-34.575	62.865	12	4	0	1.346	215.092	0.032	223.868 500k	351k	109k	35k	0.984	935	
14036 Prod	LD2	7.937	5.512	11.12	2.139	-34.575	58.327	12	4	0	1.325	211.76	0.031	206.571 462k	324k	103k	35k	0.984	843	
14037 Prod	LD2	7.937	5.512	11.12	2.139	-34.575	58.138	12	4	0	1.33	212.544	0.032	207.048 463k	325k	104k	35k	0.985	876	
14038 Prod	LD2	7.937	5.512	11.12	2.139	-34.575	48.31	12	4	0	1.238	197.255	0.03	168.825 378k	264k	89k	35k	0.983	734	
14039 Prod	LD2	7.937	5.512	11.12	2.139	-34.575	14.75	12	4	0	1.334	213.099	0.032	40.169 92k	63k	42k	28k	0.984	178	
14041 Prod	LD2	7.937	5.512	11.12	2.139	-34.575	54.935	12	4	0	1.298	208.065	0.031	197.953 441k	310k	100k	36k	0.984	853	
14042 Prod	LD2	7.937	5.512	11.12	2.139	-34.575	57.496	12	4	0	1.318	211.561	0.031	211.964 471k	332k	106k	37k	0.983	904	
14043 Prod	LD2	7.937	5.512	11.12	2.139	-34.575	54.25	12	4	0	1.314	210.792	0.031	195.401 435k	306k	100k	36k	0.984	865	
14044 Prod	LD2	7.937	5.512	11.12	2.139	-34.575	51.842	12	4	0	1.262	201.736	0.03	110.138 246k	172k	57k	21k	0.984	444	

Q2=6.00 W=2.40 LD+ low e SHMS left

Run Type	Target	E _{beam}	P _{SHMS}	θ _{SHMS}	P _{HMS}	θ _{HMS}	Current	PS1	PS4	PS5	H_rate(kHz)	P_Rate(kHz)	Coin_Rate(kHz)	Charge(mC)	Raw HMS	Raw SHMS	Raw Coin	EDTM	SHMS_HadT racking	Comments
14045 Prod	LD2	7.937	5.512	13.12	2.139	-34.575	54.009	11	5	0	1.283	87.361	0.02	193.51 228k	257k	66k	36k	0.988	748	
14048 Prod	LD2	7.937	5.512	13.12	2.139	-34.575	49.781	11	0	-1	1.264	86.037	0.02	168.276 3376k	224k	61k	34k	0.988	607	
14050 Prod	LD2	7.937	5.512	13.12	2.139	-34.575	34.681	11	5	0	1.072	72.25	0.018	120.702 143k	159k	53k	35k	0.989	392	
14051 Prod	LD2	7.937	5.512	13.12	2.139	-34.575	64.35	11	5	0	1.334	91.231	0.021	247.614 291k	329k	78k	38k	0.989	874	
14052 Prod	LD2	7.937	5.512	13.12	2.139	-34.575	53.256	11	5	0	1.299	88.528	0.02	185.179 218k	246k	64k	35k	0.988	666	
14053 Prod	LD2	7.937	5.512	13.12	2.139	-34.575	33.312	11	5	0	1.311	89.498	0.02	114.703 136k	153k	53k	35k	0.988	451	
14054 Prod	LD2	7.937	5.512	13.12	2.139	-34.575	35.965	11	5	0	1.292	88.22	0.02	127.96 151k	171k	56k	36k	0.988	489	
14056 Prod	LD2	7.937	5.512	13.12	2.139	-34.575	39.439	11	5	0	1.304	89.257	0.02	140.874 167k	188k	58k	36k	0.991	523	
14057 Prod	LD2	7.937	5.512	13.12	2.139	-34.575	44.128	11	5	0	1.315	90.128	0.021	158.374 187k	211k	61k	36k	0.99	565	
14058 Prod	LD2	7.937	5.512	13.12	2.139	-34.575	62.834	11	5	0	1.322	90.671	0.021	228.284 268k	304k	73k	36k	0.99	811	
14059 Prod	LD2	7.937	5.512	13.12	2.139	-34.575	64.183	11	5	0	1.327	90.992	0.021	231.945 272k	309k	73k	36k	0.991	858	
14060 Prod	LD2	7.937	5.512	13.12	2.139	-34.575	20.866	11	5	0	1.291	87.981	0.02	33.802 40k	45k	22k	17k	0.991	116	
14061 Prod	LD2	7.937	5.512	13.12	2.139	-34.575	56.786	11	5	0	1.315	90.022	0.02	204.682 240k	272k	69k	36k	0.991	722	
14062 Prod	LD2	7.937	5.512	13.12	2.139	-34.575	59.635	11	5	0	1.32	90.505	0.02	209.19 245k	278k	68k	35k	0.988	773	
14063 Prod	LD2	7.937	5.512	13.12	2.139	-34.575	57.775	11	5	0	1.324	90.743	0.021	202.698 238k	270k	67k	35k	0.991	730	
14064 Prod	LD2	7.937	5.512	13.12	2.139	-34.575	58.52	11	5	0	1.322	90.393	0.02	209.571 246k	279k	69k	36k	0.989	763	
14065 Prod	LD2	7.937	5.512	13.12	2.139	-34.575	59.695	11	5	0	1.327	90.984	0.021	211.65 248k	282k	69k	35k	0.991	772	
14066 Prod	LD2	7.937	5.512	13.12	2.139	-34.575	54.812	11	5	0	1.305	89.356	0.02	197.947 232k	263k	68k	36k	0.99	698	
14067 Prod	LD2	7.937	5.512	13.12	2.139	-34.575	58.174	11	5	0	1.318	90.417	0.021	208.805 244k	278k	69k	36k	0.989	722	
14068 Prod	LD2	7.937	5.512	13.12	2.139	-34.575	62.99	11	5	0	1.333	91.575	0.021	223.786 261k	298k	71k	35k	0.988	824	

14069 Prod	LD2	7.937	5.512	13.12	2.139	-34.575	57.873	11	5	0	1.33	91.305	0.021	206.693 242k	275k	68k	36k	0.99	691
14070 Prod	LD2	7.937	5.512	13.12	2.139	-34.575	63.928	11	5	0	1.328	91.078	0.021	230.082 269k	306k	72k	36k	0.988	844
14071 Prod	LD2	7.937	5.512	13.12	2.139	-34.575	61.942	11	5	0	1.32	90.488	0.021	223.067 260k	296k	71k	36k	0.988	805
14073 Prod	LD2	7.937	5.512	13.12	2.139	-34.575	51.3	11	5	0	1.272	87.111	0.02	103.924 121k	137k	36k	20k	0.988	361
14075 Prod	Dummy10cm	7.937	5.512	13.12	2.139	-34.575	35.278	7	1	0	0.158	6.907	0.01	123.694 254k	341k	36k	35k	0.997	36
14076 Prod	Dummy10cm	7.937	5.512	13.12	2.139	-34.575	33.582	7	1	0	0.158	6.918	0.01	122.685 254k	339k	37k	37k	0.996	45
14077 Prod	Dummy10cm	7.937	5.512	13.12	2.139	-34.575	34.918	7	1	0	0.157	6.89	0.01	57.463 118k	158k	17k	16k	1	16

Q2=6.00 W=2.40 LH+ low e SHMS left

Run Type	Target	E _{beam}	P _{SHMS}	θ _{SHMS}	P _{HMS}	θ _{HMS}	Current	PS1	PS4	PS5	H_rate(kHz)	P_Rate(kHz)	Coin_Rate(kHz)	Charge(mC)	Raw HMS	Raw SHMS	Raw Coin	EDTM	SHMS_HadT racking	Comments
14078 Prod	LH2	7.937	5.512	13.12	2.139	-34.575	51.026	10	4	0	0.558	43.9	0.013	188.619 183k	252k	47k	37k	0.994	671	
14079 Prod	LH2	7.937	5.512	13.12	2.139	-34.575	61.526	10	4	0	0.581	45.788	0.014	229.118 222k	306k	49k	37k	0.992	832	
14080 Prod	LH2	7.937	5.512	13.12	2.139	-34.575	60.892	10	4	0	0.569	44.858	0.014	222.46 215k	297k	48k	36k	0.992	842	
14081 Prod	LH2	7.937	5.512	13.12	2.139	-34.575	40.286	10	4	0	0.572	45.133	0.014	66.903 65k	89k	20k	17k	0.993	172	
14082 Prod	LH2	7.937	5.512	13.12	2.139	-34.575	60.899	10	4	0	0.581	45.791	0.014	218.371 211k	292k	48k	36k	0.991	766	
14083 Prod	LH2	7.937	5.512	13.12	2.139	-34.575	58.714	10	4	0	0.57	44.982	0.013	203.919 197k	272k	45k	35k	0.993	669	
14084 Prod	LH2	7.937	5.512	13.12	2.139	-34.575	62.04	10	4	0	0.575	45.274	0.013	224.544 217k	299k	48k	36k	0.993	803	
14085 Prod	LH2	7.937	5.512	13.12	2.139	-34.575	62.245	10	4	0	0.576	45.351	0.013	222.031 214k	296k	47k	36k	0.993	778	
14086 Prod	LH2	7.937	5.512	13.12	2.139	-34.575	51.971	10	4	0	0.564	44.427	0.013	186.249 180k	248k	46k	36k	0.993	636	
14089 Prod	LH2	7.937	5.512	13.12	2.139	-34.575	56.108	10	0	-1	0.563	44.398	0.013	202.001 1752k	268k	47k	36k	0.989	694	
14090 Prod	LH2	7.937	5.512	13.12	2.139	-34.575	60.113	10	4	0	0.574	45.292	0.013	225.626 217k	300k	49k	37k	0.991	796	
14091 Prod	LH2	7.937	5.512	13.12	2.139	-34.575	56.164	10	4	0	0.571	45.114	0.013	190.225 183k	253k	44k	34k	0.992	664	
14092 Prod	LH2	7.937	5.512	13.12	2.139	-34.575	58.409	10	4	0	0.57	45.031	0.013	191.929 184k	255k	43k	33k	0.992	685	
14095 Prod	LH2	7.937	5.512	13.12	2.139	-34.575	53.715	10	4	0	0.563	44.548	0.013	193.215 186k	256k	46k	36k	0.992	679	
14096 Prod	LH2	7.937	5.512	13.12	2.139	-34.575	64.65	10	4	0	0.579	45.855	0.014	228.915 219k	304k	47k	35k	0.993	794	
14097 Prod	LH2	7.937	5.512	13.12	2.139	-34.575	54.762	10	4	0	0.568	44.926	0.013	195.992 188k	260k	46k	36k	0.99	681	
14098 Prod	LH2	7.937	5.512	13.12	2.139	-34.575	54.728	10	4	0	0.56	44.201	0.013	214.506 206k	284k	50k	39k	0.989	703	
14099 Prod	LH2	7.937	5.512	13.12	2.139	-34.575	64.085	10	4	0	0.571	45.132	0.013	230.211 220k	305k	48k	36k	0.994	820	
14100 Prod	LH2	7.937	5.512	13.12	2.139	-34.575	61.938	10	4	0	0.566	44.603	0.013	237.217 228k	314k	51k	38k	0.994	800	
14101 Prod	LH2	7.937	5.512	13.12	2.139	-34.575	56.423	10	4	0	0.557	43.896	0.013	209.75 201k	278k	48k	37k	0.994	739	
14102 Prod	LH2	7.937	5.512	13.12	2.139	-34.575	53.57	10	4	0	0.564	44.504	0.013	192.195 185k	255k	46k	36k	0.995	699	
14103 Prod	LH2	7.937	5.512	13.12	2.139	-34.575	60.49	10	4	0	0.563	44.449	0.013	221.5 212k	294k	48k	36k	0.993	828	
14104 Prod	LH2	7.937	5.512	13.12	2.139	-34.575	59.18	10	4	0	0.563	44.516	0.013	208.634 200k	276k	46k	35k	0.994	744	
14105 Prod	LH2	7.937	5.512	13.12	2.139	-34.575	54.72	10	4	0	0.56	44.167	0.013	205.016 197k	272k	48k	37k	0.991	687	
14106 Prod	LH2	7.937	5.512	13.12	2.139	-34.575	59.481	10	4	0	0.561	44.342	0.013	224.688 215k	298k	50k	38k	0.994	771	
14107 Prod	LH2	7.937	5.512	13.12	2.139	-34.575	55.242	10	4	0	0.556	43.864	0.013	196.8 189k	261k	46k	36k	0.994	714	
14108 Prod	LH2	7.937	5.512	13.12	2.139	-34.575	55.648	10	4	0	0.556	43.927	0.013	198.342 190k	263k	46k	36k	0.992	668	
14109 Prod	LH2	7.937	5.512	13.12	2.139	-34.575	46.443	10	4	0	0.561	44.271	0.013	148.285 143k	197k	40k	32k	0.994	517	

Run Type	Target	E _{beam}	P _{SHMS}	θ _{SHMS}	P _{HMS}	θ _{HMS}	Current	PS1	PS4	PS5	H_rate(kHz)	P_Rate(kHz)	Coin_Rate(kHz)	Charge(mC)	Raw HMS	Raw SHMS	Raw Coin	EDTM	SHMS_HadT racking	Comments
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