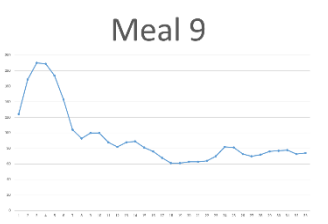
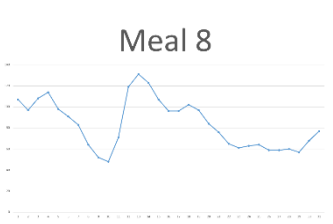
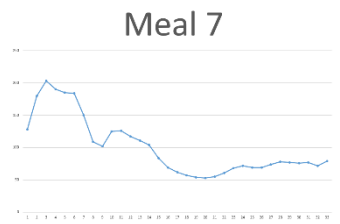
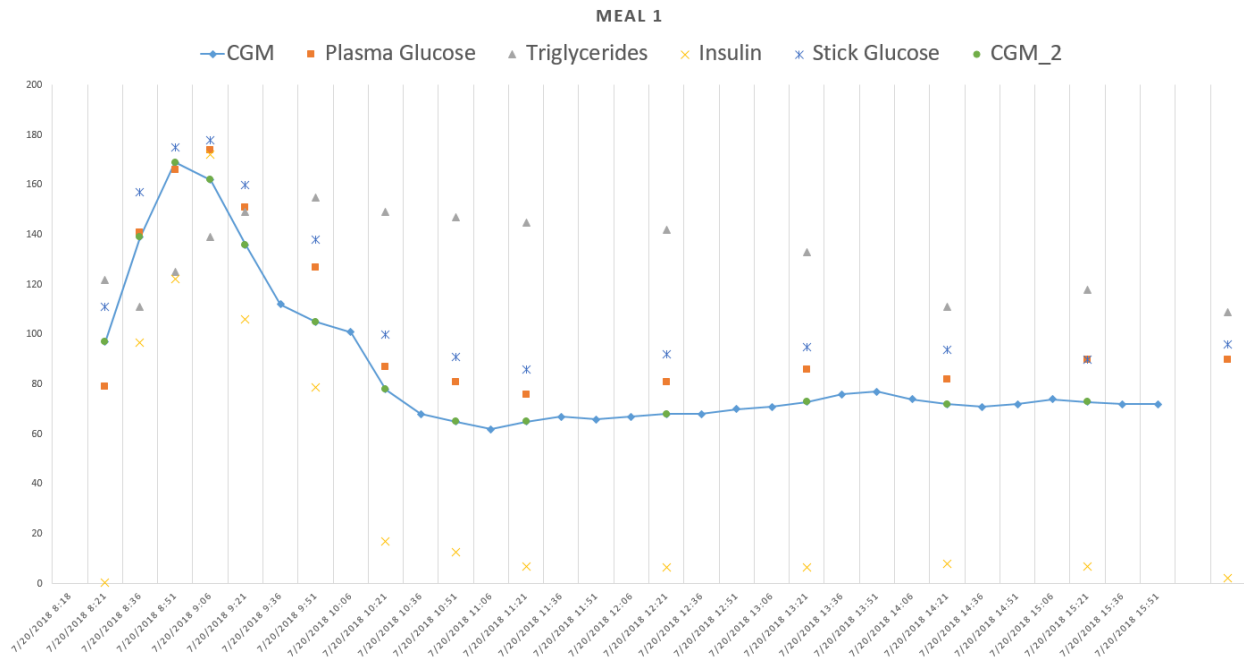


Visualization of all patients' standard meals

38A:





Study Day	Date	Sample #	BW	BMI	LBM	FM	Meal	RealTime	Time	Time(min)	LC-glucose	LC-TG	LC-insulin	Stick-glucose	cgm-glucose	Amino Acids
38A	7	7/20/2018	700	68.3	30		1	8:18	0	0	79	122	0.5	111	97	#N/A
38A	7	7/20/2018	701	68.3	30		1	8:33	0:15	15	141	111	96.8	157	139	#N/A
38A	7	7/20/2018	702	68.3	30		1	8:48	0:30	30	166	125	122.3	175	169	#N/A
38A	7	7/20/2018	703	68.3	30		1	9:03	0:45	45	174	139	172.3	178	162	#N/A
38A	7	7/20/2018	704	68.3	30		1	9:18	1:00	60	151	149	106.2	160	136	#N/A
38A	7	7/20/2018	705	68.3	30		1	9:48	1:30	90	127	155	78.7	138	105	#N/A
38A	7	7/20/2018	706	68.3	30		1	10:18	2:00	120	87	149	17	100	78	#N/A
38A	7	7/20/2018	707	68.3	30		1	10:48	2:30	150	81	147	12.8	91	65	#N/A
38A	7	7/20/2018	708	68.3	30		1	11:18	3:00	180	76	145	6.9	86	65	#N/A
38A	7	7/20/2018	709	68.3	30		1	12:18	4:00	240	81	142	6.4	92	68	#N/A
38A	7	7/20/2018	710	68.3	30		1	13:18	5:00	300	86	133	6.4	95	73	#N/A
38A	7	7/20/2018	711	68.3	30		1	14:18	6:00	360	82	111	8.1	94	72	#N/A
38A	7	7/20/2018	712	68.3	30		1	15:18	7:00	420	90	118	6.8	90	73	#N/A
38A	7	7/20/2018	712	68.3	30		1	16:18	8:00	480	90	109	2.3	96	#N/A	#N/A

Timestamp issue (it applies all the meals): the timestamp in blood draw file does not match the one in CGM reading txt file. Blood draw file above has

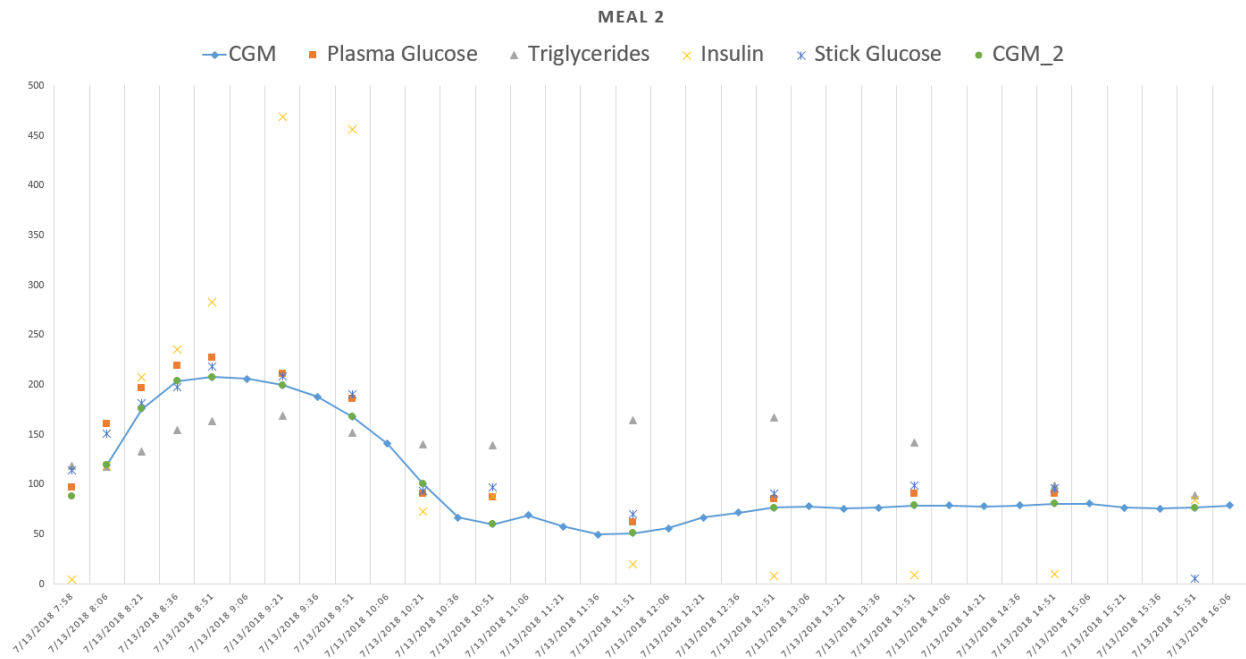
RealTime	cgm-glucose
8:18	97
8:33	139

but cgm reading txt file has

RealTime	cgm-glucose
8:21	97
8:36	139

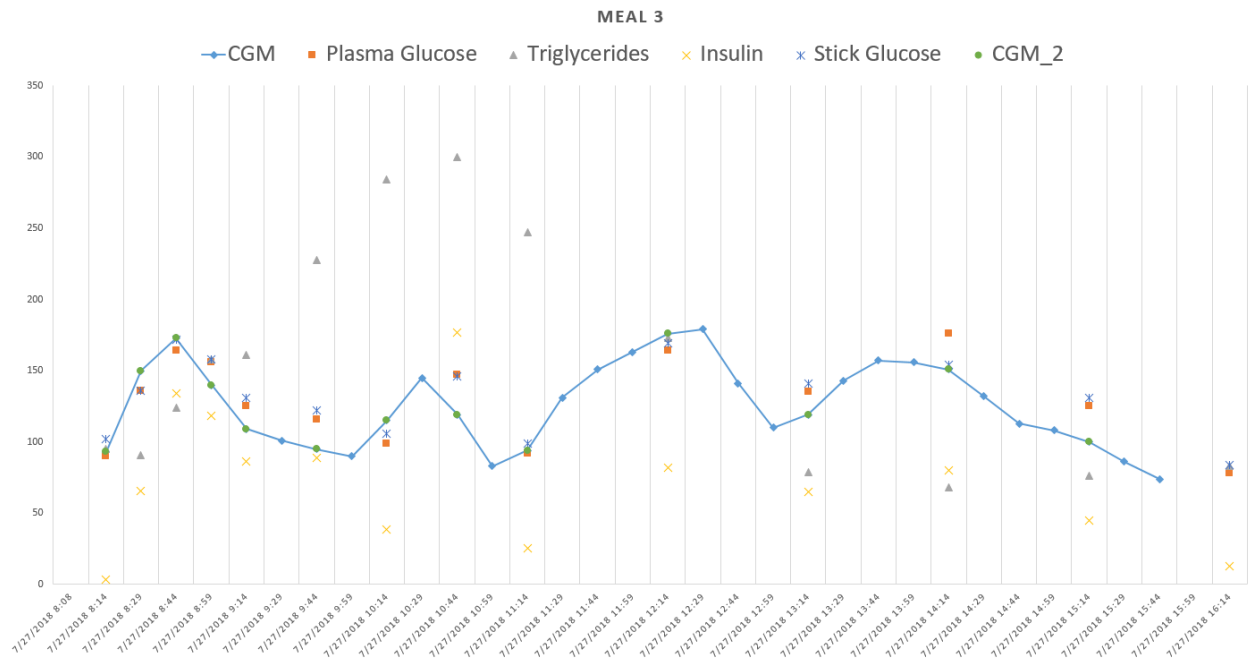
108157	2018/07/20 07:51	0	82
108158	2018/07/20 08:06	0	82
108159	2018/07/20 08:21	0	97
108160	2018/07/20 08:36	0	139
108161	2018/07/20 08:51	0	169
108162	2018/07/20 09:06	0	162
108163	2018/07/20 09:21	0	136
108164	2018/07/20 09:36	0	112
108165	2018/07/20 09:51	0	105
108166	2018/07/20 10:06	0	101
108167	2018/07/20 10:21	0	78
108168	2018/07/20 10:36	0	68
108169	2018/07/20 10:51	0	65
108170	2018/07/20 11:06	0	62
108171	2018/07/20 11:21	0	65
108172	2018/07/20 11:36	0	67
108173	2018/07/20 11:51	0	66
108174	2018/07/20 12:06	0	67
108175	2018/07/20 12:21	0	68
108176	2018/07/20 12:36	0	68
108177	2018/07/20 12:51	0	70
108178	2018/07/20 13:06	0	71
108179	2018/07/20 13:21	0	73
108180	2018/07/20 13:36	0	76
108181	2018/07/20 13:51	0	77

In the plot, all timestamp are used in CGM reading txt file (here time difference is 8:21 – 8:18 = 3mins)



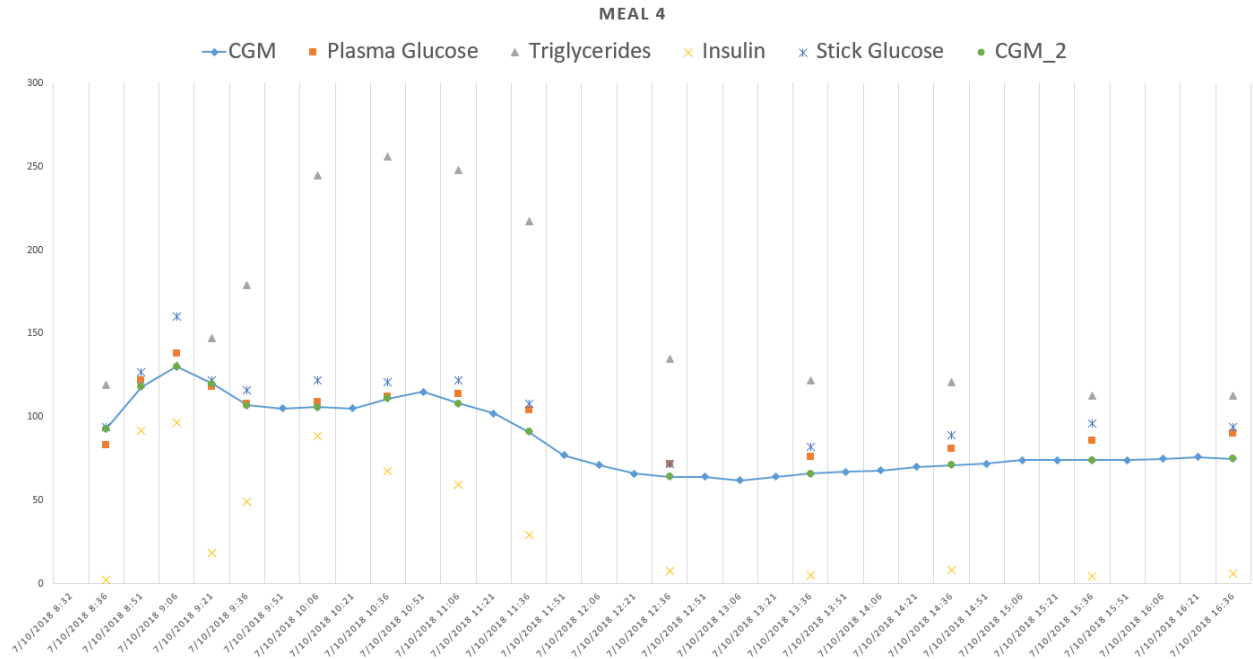
	Study Day	Date	Sample #	BW	BMI	LBM	FM	Meal	RealTime	Time	Time(min)	LC-glucose	LC-TG	LC-insulin	Stick-glucose	cgm-glucose	Amino Acids
38A	5	7/13/2018	500	69	30.3			2	7:58:	0	0	97	119	4.6	114	88	#N/A
38A	5	7/13/2018	501	69	30.3			2	8:13:	0:15	15	161	118	119	151	120	#N/A
38A	5	7/13/2018	502	69	30.3			2	8:28:	0:30	30	197	133	208.1	182	176	#N/A
38A	5	7/13/2018	503	69	30.3			2	8:43:	0:45	45	219	155	235.5	198	204	#N/A
38A	5	7/13/2018	504	69	30.3			2	8:58:	1:00	60	227	164	283	218	208	#N/A
38A	5	7/13/2018	505	69	30.3			2	9:28:	1:30	90	211	169	469	209	200	#N/A
38A	5	7/13/2018	506	69	30.3			2	9:58:	2:00	120	186	152	456.6	191	168	#N/A
38A	5	7/13/2018	507	69	30.3			2	10:28:	2:30	150	91	140	72.6	94	101	#N/A
38A	5	7/13/2018	508	69	30.3			2	10:58:	3:00	180	87	139	88.1	97	60	#N/A
38A	5	7/13/2018	509	69	30.3			2	11:58:	4:00	240	62	165	20.1	70	51	#N/A
38A	5	7/13/2018	510	69	30.3			2	12:58:	5:00	300	86	167	8.7	91	77	#N/A
38A	5	7/13/2018	511	69	30.3			2	13:58:	6:00	360	91	142	9	99	79	#N/A
38A	5	7/13/2018	512	69	30.3			2	14:58:	7:00	420	91	99	9.8	96	81	#N/A
38A	5	7/13/2018	513	69	30.3			2	15:58:	8:00	480		89	85	5.5	77	#N/A

Time difference between cgm reading file and blood draw file: 7 mins



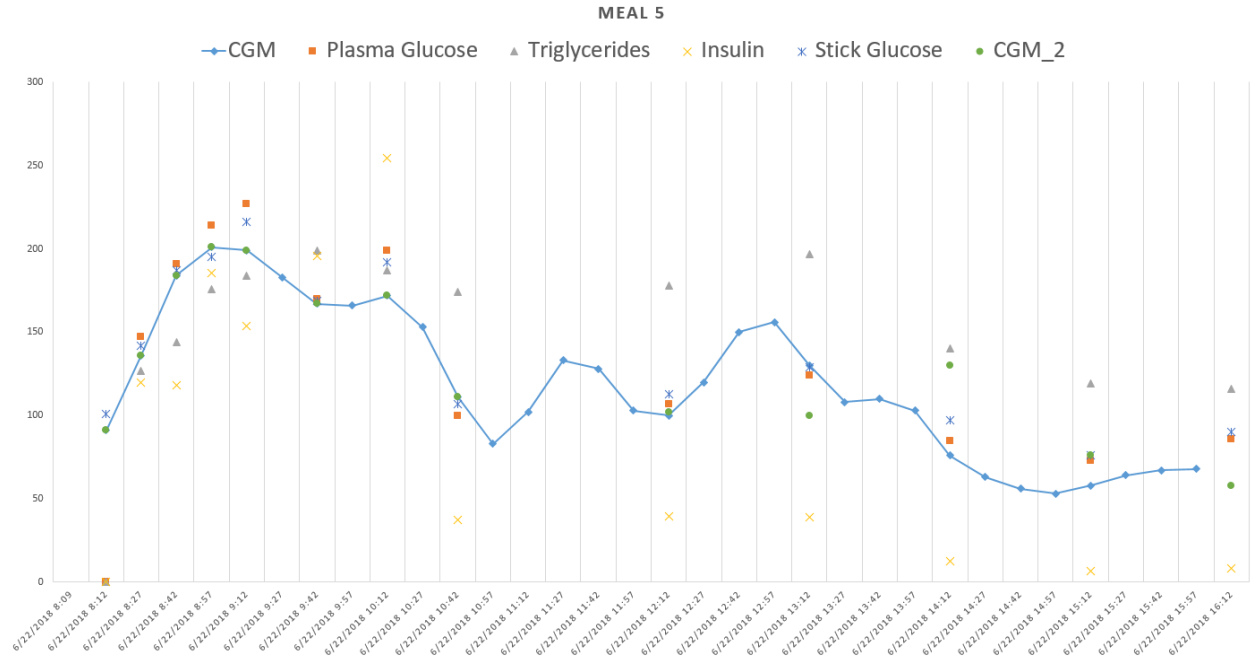
	Study Day	Date	Sample #	BW	BMI	LBM	FM	Meal	RealTime	Time	Time(min)	LC-glucose	LC-TG	LC-insulin	Stick-glucose	cgm-glucose	Amino Acids
38A	9	7/27/2018	900	68	29.8			3	8:08:	0	0	90	95	3.2	102	93	#N/A
38A	9	7/27/2018	901	68	29.8			3	8:23:	0:15	15	136	91	65.7	136	150	#N/A
38A	9	7/27/2018	902	68	29.8			3	8:38:	0:30	30	164	124	133.9	172	173	#N/A
38A	9	7/27/2018	903	68	29.8			3	8:53:	0:45	45	156	158	118.6	158	140	#N/A
38A	9	7/27/2018	904	68	29.8			3	9:08:	1:00	60	125	161	86.3	131	109	#N/A
38A	9	7/27/2018	905	68	29.8			3	9:38:	1:30	90	116	228	88.8	122	95	#N/A
38A	9	7/27/2018	906	68	29.8			3	10:08:	2:00	120	99	284	38.5	106	115	#N/A
38A	9	7/27/2018	907	68	29.8			3	10:38:	2:30	150	147	300	176.8	146	119	#N/A
38A	9	7/27/2018	908	68	29.8			3	11:08:	3:00	180	92	247	25.1	99	94	#N/A
38A	9	7/27/2018	909	68	29.8			3	12:08:	4:00	240	164	173	81.6	169	176	#N/A
38A	9	7/27/2018	910	68	29.8			3	13:08:	5:00	300	135	79	65	141	119	#N/A
38A	9	7/27/2018	911	68	29.8			3	14:08:	6:00	360	176	68	80.3	154	151	#N/A
38A	9	7/27/2018	912	68	29.8			3	15:08:	7:00	420	125	76	44.7	131	100	#N/A
38A	9	7/27/2018	913	68	29.8			3	16:08:	8:00	480	78	83	12.6	84	#N/A	#N/A

Time difference: 6mins



Study Day	Date	Sample #	BW	BMI	LBM	FM	Meal	RealTime	Time	Time(min)	LC-glucose	LC-TG	LC-insulin	Stick-glucose	cgm-glucose	Amino Acids
38A	4 7/10/2018	400	69.4	30.4			4	8:32:	0	0	83	119	2.3	94	93	#N/A
38A	4 7/10/2018	401	69.4	30.4			4	8:47:	0:15	15	122	120	92	127	118	#N/A
38A	4 7/10/2018	402	69.4	30.4			4	9:02:	0:30	30	138	131	96.5	160	130	#N/A
38A	4 7/10/2018	403	69.4	30.4			4	9:17:	0:45	45	118	147	18.5	122	120	#N/A
38A	4 7/10/2018	404	69.4	30.4			4	9:32:	1:00	60	108	179	49	116	107	#N/A
38A	4 7/10/2018	405	69.4	30.4			4	10:02:	1:30	90	109	245	88.6	122	106	#N/A
38A	4 7/10/2018	406	69.4	30.4			4	10:32:	2:00	120	112	256	67.5	121	111	#N/A
38A	4 7/10/2018	407	69.4	30.4			4	11:02:	2:30	150	114	248	59.5	122	108	#N/A
38A	4 7/10/2018	408	69.4	30.4			4	11:32:	3:00	180	104	217	29	108	91	#N/A
38A	4 7/10/2018	409	69.4	30.4			4	12:32:	4:00	240	72	135	7.5	72	64	#N/A
38A	4 7/10/2018	410	69.4	30.4			4	13:32:	5:00	300	76	122	4.9	82	66	#N/A
38A	4 7/10/2018	411	69.4	30.4			4	14:32:	6:00	360	81	121	8.5	89	71	#N/A
38A	4 7/10/2018	412	69.4	30.4			4	15:32:	7:00	420	86	113	4.3	96	74	#N/A
38A	4 7/10/2018	413	69.4	30.4			4	16:32:	8:00	480	90	113	5.9	94	75	#N/A

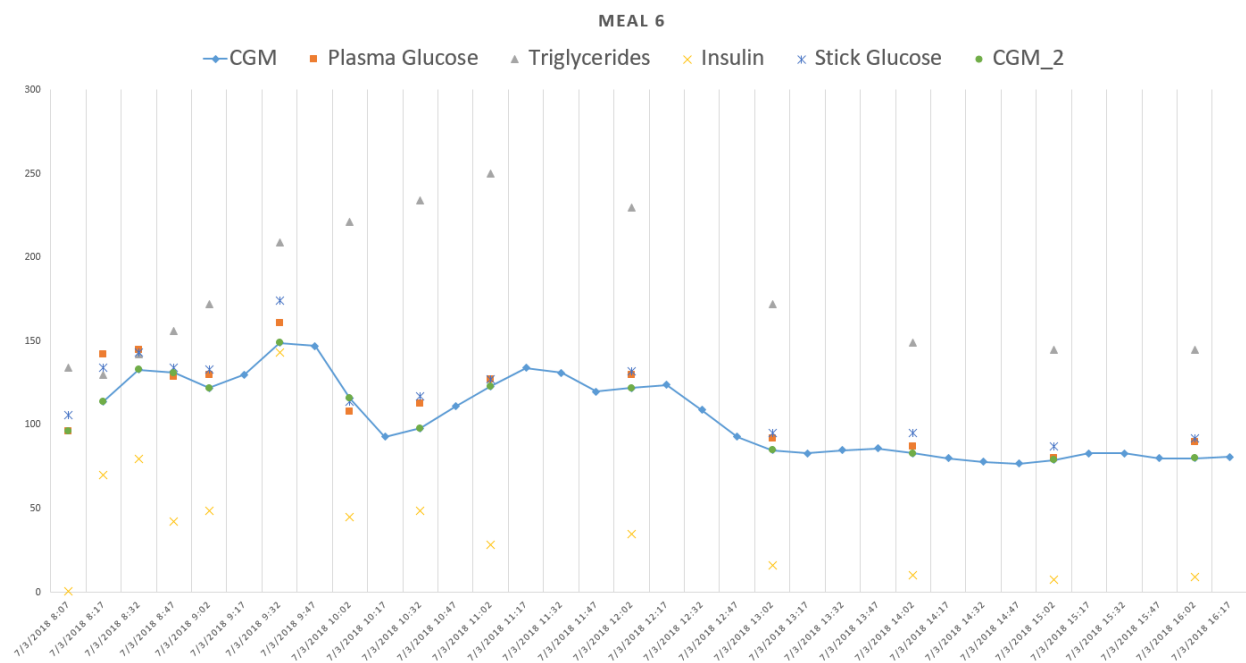
Time difference: 4mins



	Study Day	Date	Sample #	BW	BMI	LBM	FM	Meal	RealTime	Time	Time(min)	LC-glucose	LC-TG	LC-insulin	Stick-glucose	cgm-glucose	Amino Acids
38A	1	6/22/2018	100	70.1	30.9	39.4777	26.8371	5	8:09:	0	0	0	0	0.3	101	91	#N/A
38A	1	6/22/2018	101	70.1	30.9			5	8:24:	0:15	15	147	127	120	142	136	#N/A
38A	1	6/22/2018	102	70.1	30.9			5	8:39:	0:30	30	191	144	118.3	187	184	#N/A
38A	1	6/22/2018	103	70.1	30.9			5	8:54:	0:45	45	214	176	185.7	195	201	#N/A
38A	1	6/22/2018	104	70.1	30.9			5	9:09:	1:00	60	227	184	153.7	216	199	#N/A
38A	1	6/22/2018	105	70.1	30.9			5	9:39:	1:30	90	170	199	195.8	169	167	#N/A
38A	1	6/22/2018	106	70.1	30.9			5	10:09:	2:00	120	199	187	254.6	192	172	#N/A
38A	1	6/22/2018	107	70.1	30.9			5	10:39:	2:30	150	100	174	37.3	107	111	#N/A
38A	1	6/22/2018	108	70.1	30.9			5	11:09:	3:00	180	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
38A	1	6/22/2018	109	70.1	30.9			5	12:09:	4:00	240	107	178	39.7	113	102	#N/A
38A	1	6/22/2018	110	70.1	30.9			5	13:09:	5:00	300	124	197	38.9	129	100	#N/A
38A	1	6/22/2018	111	70.1	30.9			5	14:09:	6:00	360	85	140	12.6	97	130	#N/A
38A	1	6/22/2018	112	70.1	30.9			5	15:09:	7:00	420	73	119	6.6	76	76	#N/A
38A	1	6/22/2018	113	70.1	30.9			5	16:09:	8:00	480	86	116	8	90	58	#N/A

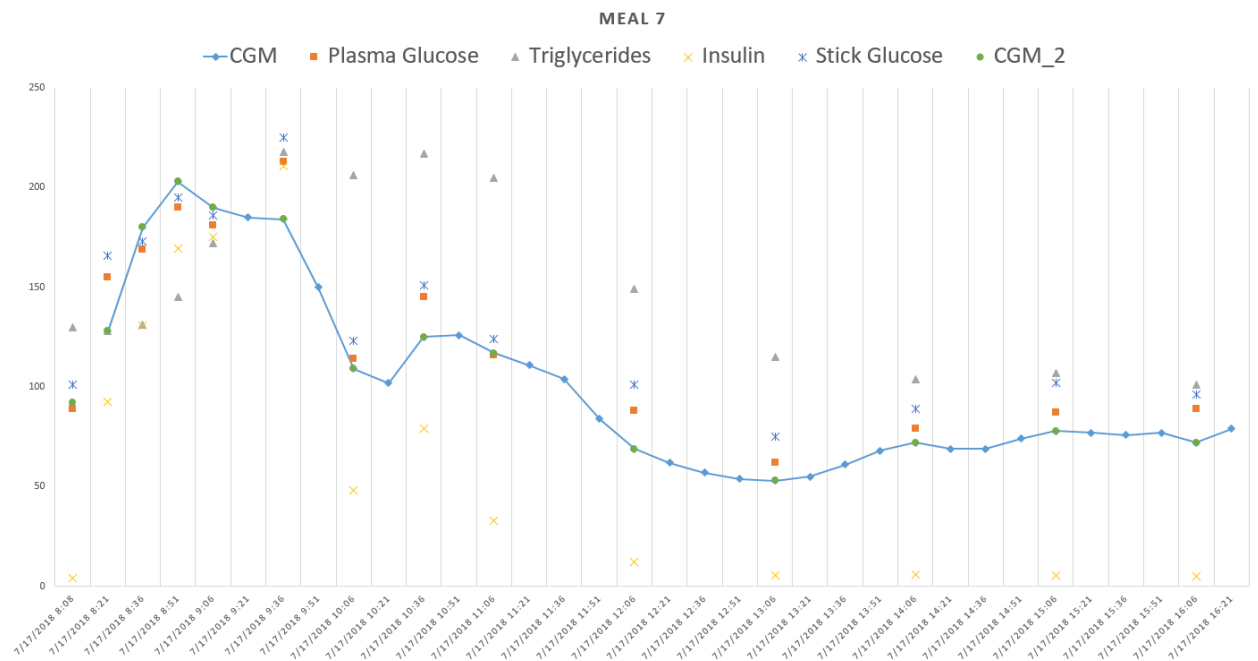
Time difference: 3 mins

For this meal, after 10:42, the cgm reading in txt file does not match the blood draw file



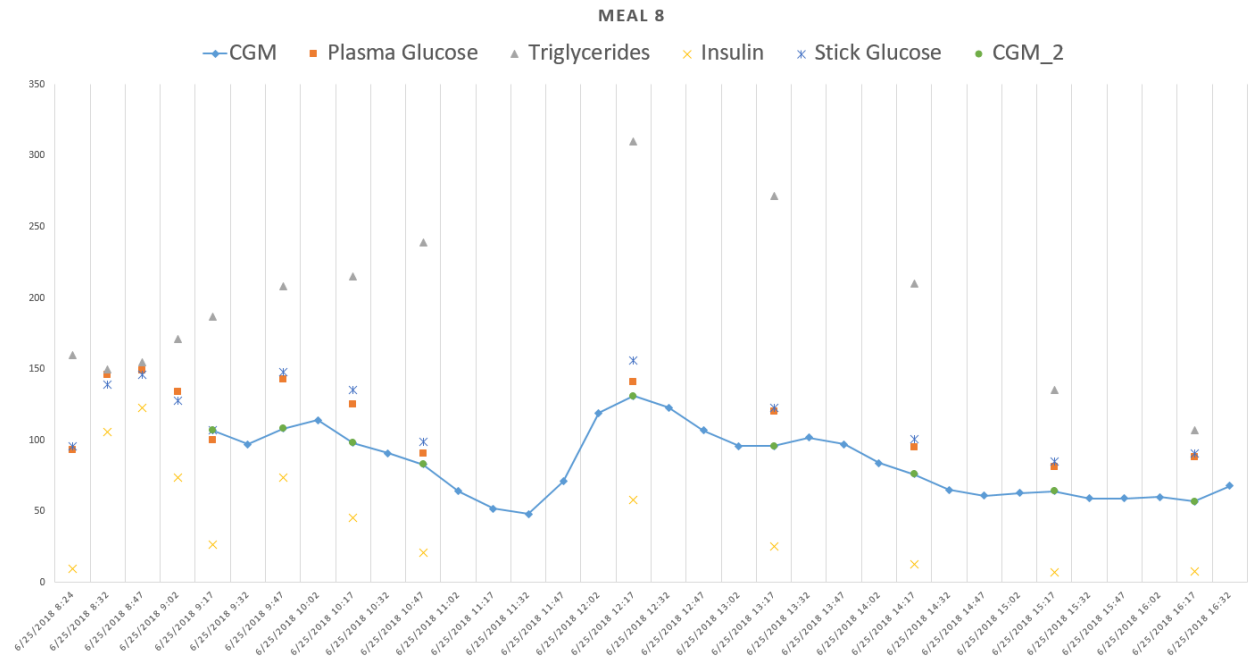
	Study Day	Date	Sample #	BW	BMI	LBM	FM	Meal	RealTime	Time	Time(min)	LC-glucose	LC-TG	LC-insulin	Stick-glucose	cgm-glucose	Amino Acids
38A	3	7/3/2018	300	69.2	30.3			6	8:07:	0	0	96	134	0.8	106	96	#N/A
38A	3	7/3/2018	301	69.2	30.3			6	8:22:	0:15	15	142	130	70.1	134	114	#N/A
38A	3	7/3/2018	302	69.2	30.3			6	8:37:	0:30	30	145	142	79.5	143	133	#N/A
38A	3	7/3/2018	303	69.2	30.3			6	8:52:	0:45	45	129	156	42.5	134	131	#N/A
38A	3	7/3/2018	304	69.2	30.3			6	9:07:	1:00	60	130	172	48.7	133	122	#N/A
38A	3	7/3/2018	305	69.2	30.3			6	9:37:	1:30	90	161	209	143.2	174	149	#N/A
38A	3	7/3/2018	306	69.2	30.3			6	10:07:	2:00	120	108	221	45.1	114	116	#N/A
38A	3	7/3/2018	307	69.2	30.3			6	10:37:	2:30	150	113	234	48.7	117	98	#N/A
38A	3	7/3/2018	308	69.2	30.3			6	11:07:	3:00	180	127	250	28.5	127	123	#N/A
38A	3	7/3/2018	309	69.2	30.3			6	12:07:	4:00	240	130	230	34.7	132	122	#N/A
38A	3	7/3/2018	310	69.2	30.3			6	13:07:	5:00	300	92	172	16.4	95	85	#N/A
38A	3	7/3/2018	311	69.2	30.3			6	14:07:	6:00	360	87	149	10.3	95	83	#N/A
38A	3	7/3/2018	312	69.2	30.3			6	15:07:	7:00	420	80	145	7.8	87	79	#N/A
38A	3	7/3/2018	313	69.2	30.3			6	16:07:	8:00	480	90	145	9.3	92	80	#N/A

Time difference: 5 mins



	Study Day	Date	Sample #	BW	BMI	LBM	FM	Meal	RealTime	Time	Time(min)	LC-glucose	LC-TG	LC-insulin	Stick-glucose	cgm-glucose	Amino Acids
38A	6	7/17/2018	600	68.1	29.9			7	8:08:	0	0	89	130	4	101	92	#N/A
38A	6	7/17/2018	601	68.1	29.9			7	8:23:	0:15	15	155	128	92.4	166	128	#N/A
38A	6	7/17/2018	602	68.1	29.9			7	8:38:	0:30	30	169	131	130.9	173	180	#N/A
38A	6	7/17/2018	603	68.1	29.9			7	8:53:	0:45	45	190	145	169.6	195	203	#N/A
38A	6	7/17/2018	604	68.1	29.9			7	9:08:	1:00	60	181	172	175.3	186	190	#N/A
38A	6	7/17/2018	605	68.1	29.9			7	9:38:	1:30	90	213	218	210.9	225	184	#N/A
38A	6	7/17/2018	606	68.1	29.9			7	10:08:	2:00	120	114	206	48.3	123	109	#N/A
38A	6	7/17/2018	607	68.1	29.9			7	10:38:	2:30	150	145	217	79.1	151	125	#N/A
38A	6	7/17/2018	608	68.1	29.9			7	11:08:	3:00	180	116	205	32.9	124	117	#N/A
38A	6	7/17/2018	609	68.1	29.9			7	12:08:	4:00	240	88	149	12.4	101	69	#N/A
38A	6	7/17/2018	610	68.1	29.9			7	13:08:	5:00	300	62	115	5.7	75	53	#N/A
38A	6	7/17/2018	611	68.1	29.9			7	14:08:	6:00	360	79	104	6	89	72	#N/A
38A	6	7/17/2018	612	68.1	29.9			7	15:08:	7:00	420	87	107	5.6	102	78	#N/A
38A	6	7/17/2018	613	68.1	29.9			7	16:08:	8:00	480	89	101	4.9	96	72	#N/A

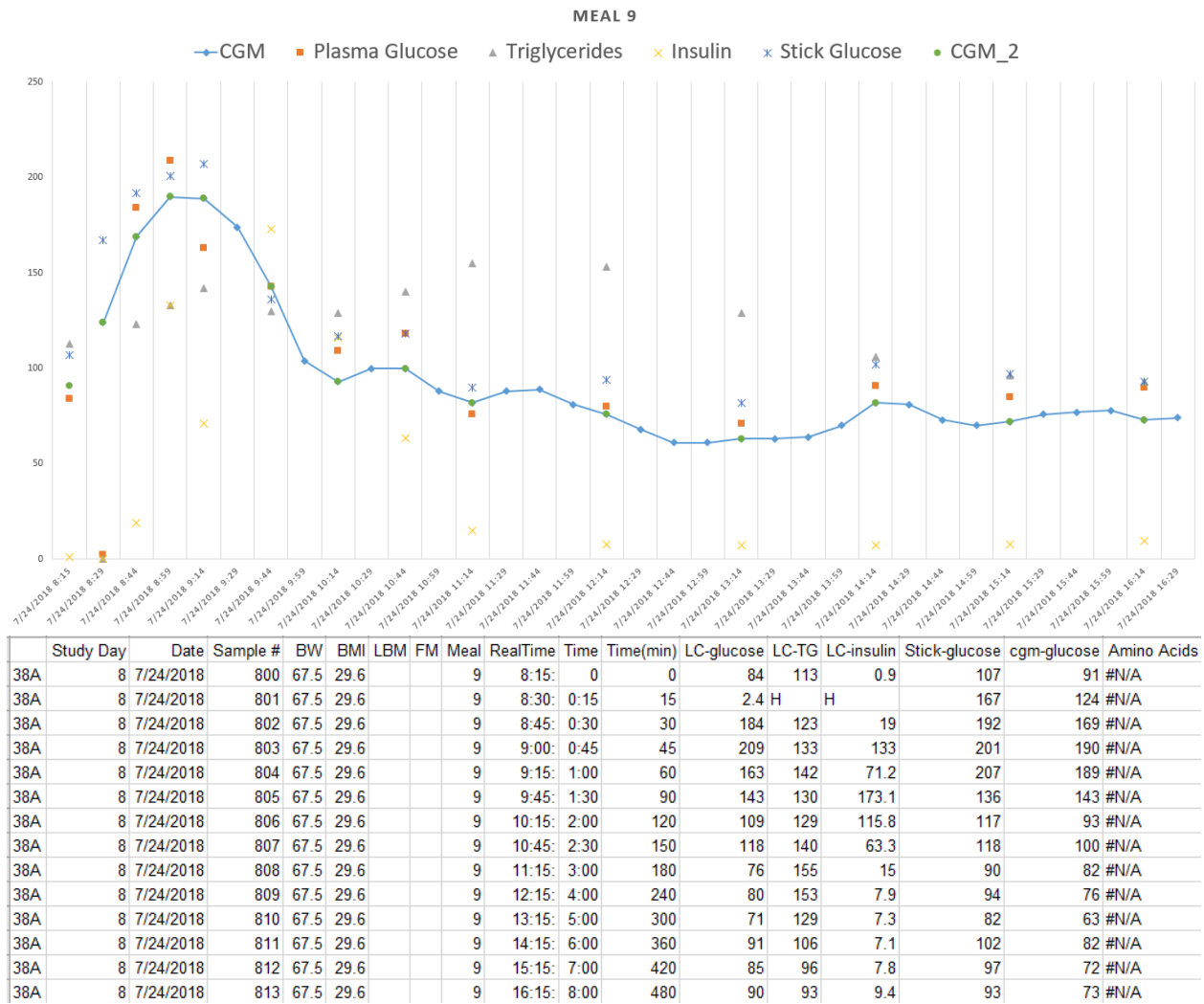
Time difference: 2 mins



	Study Day	Date	Sample #	BW	BMI	LBM	FM	Meal	RealTime	Time	Time(min)	LC-glucose	LC-TG	LC-insulin	Stick-glucose	cgm-glucose	Amino Acids
38A	2	6/25/2018	200	69.9	30.8			8	8:24	0	0	93	160	9.5	96	#N/A	#N/A
38A	2	6/25/2018	201	69.9	30.8			8	8:39	0:15	15	146	150	105.7	139	#N/A	#N/A
38A	2	6/25/2018	202	69.9	30.8			8	8:54	0:30	30	149	155	123	146	#N/A	#N/A
38A	2	6/25/2018	203	69.9	30.8			8	9:09	0:45	45	134	171	73.7	128	#N/A	#N/A
38A	2	6/25/2018	204	69.9	30.8			8	9:24	1:00	60	100	187	26.4	107		107 #N/A
38A	2	6/25/2018	205	69.9	30.8			8	9:54	1:30	90	143	208	74	148		108 #N/A
38A	2	6/25/2018	206	69.9	30.8			8	10:24	2:00	120	125	215	45.5	135		98 #N/A
38A	2	6/25/2018	207	69.9	30.8			8	10:54	2:30	150	91	239	21.1	99		83 #N/A
38A	2	6/25/2018	208	69.9	30.8			8	11:24	3:00	180	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
38A	2	6/25/2018	209	69.9	30.8			8	12:24	4:00	240	141	310	58.1	156		131 #N/A
38A	2	6/25/2018	210	69.9	30.8			8	13:24	5:00	300	120	272	25.4	123		96 #N/A
38A	2	6/25/2018	211	69.9	30.8			8	14:24	6:00	360	95	210	12.8	101		76 #N/A
38A	2	6/25/2018	212	69.9	30.8			8	15:24	7:00	420	81	135	7.2	85		64 #N/A
38A	2	6/25/2018	213	69.9	30.8			8	16:24	8:00	480	88	107	7.7	91		57 #N/A

Time difference: 7 mins

Also, for this meal, glucose starts recording after almost 1 hour of the shake (we might miss the first peak data)



Time difference: 1 min

Problem of this one, at 3:34pm it has food picture

