

Supplementary Material

Alligator gar as a centenarian species: extending lifespan estimates using bomb radiocarbon and laser ablation–accelerator mass spectrometry

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Table S1. Specimen and LA-AMS scan information for alligator gar otoliths used in this study.

Specimen	LA-AMS	Scan	Scan speed	Total distance	Laser pulse
	Scan ID	direction	($\mu\text{m/s}$)	(mm)	frequency (s^{-1})
ALG-9059	119043.1.1	old-to-young	20	7.29	130
ALG-9059	119043.1.2	old-to-young	10	7.39	130
ALG-11097	119040.1.1	young-to-old	10	4.39	120
ALG-11097	119040.1.2	old-to-young	10	4.40	130
ALG-14000	119042.1.1	old-to-young	10	4.40	170

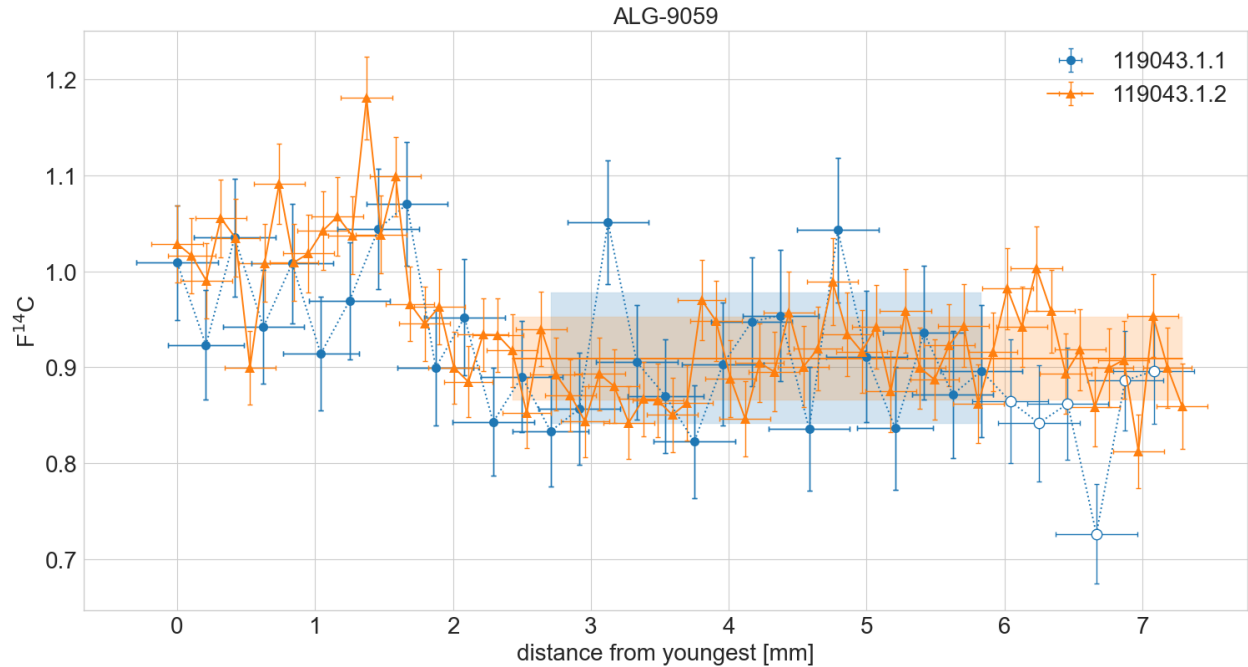


Figure S1. Resultant scans for ALG-9059 for which each was from the oldest to youngest material (right to left). During the first few cycles of scan 119043.1.1, epoxy on the edge of the sample was ablated resulting in a mixed $F^{14}C$ of the sample and the radiocarbon-dead epoxy. This was corrected using the second scan where no epoxy was ablated. If six cycles from the contaminated Scan 1 are removed, the mean pre-bomb $F^{14}C$ (0.909 ± 0.069 (1σ)) agrees with the pre-bomb $F^{14}C$ of Scan 2 (0.906 ± 0.042 (1σ)) within their uncertainties. Thus, both scans could be used for age correlation. As Scan 2 could be performed at a lower speed than Scan 1, it was deemed the most reliable and was selected to be the best representation of ^{14}C uptake by the otolith through the lifespan of this individual. The six data points at the end of scan 119043.1.1 (white circles with blue edges) have been removed from the pre-bomb average $F^{14}C$ calculation. Both mean and standard deviation of pre-bomb averages are shown to agree well with each other by removing the contaminated cycles (*cf.* Methods: LA-AMS analyses).

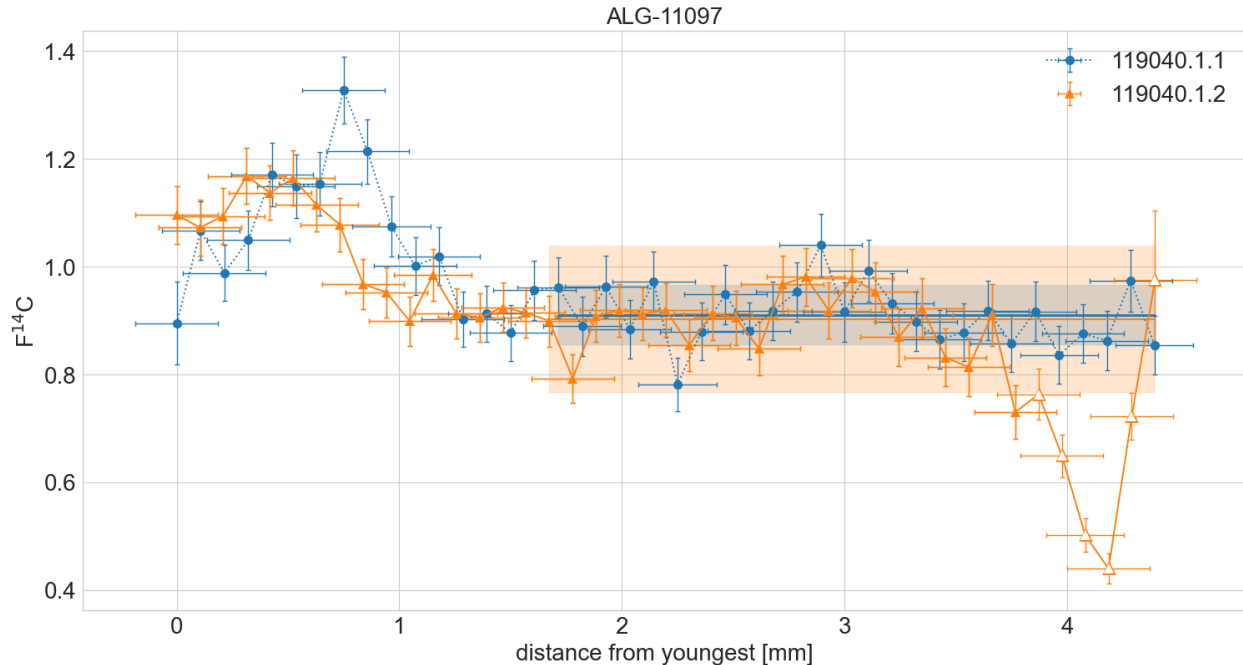


Figure S2. Resultant scans for ALG-11097. Because scan 119040.1.1 was performed from young-to-old, the bomb peak shape is sharper, and the rise shifted toward older years of formation (greater distance from youngest edge material). This is an artifact of cell washout that lags the actual location of elevated ^{14}C levels. Hence, the second scan (119040.1.2) was used to determine the first rise of ^{14}C . The six data points at the end of scan 119040.1.2 (open triangles) have been removed from the pre-bomb average $F^{14}\text{C}$ calculation. Both mean and standard deviation of pre-bomb averages are shown to agree well with each other by removing the contaminated cycles (cf. Methods: LA-AMS analyses). Scan 2 (119040.1.2) showed some epoxy contamination at the start. By comparing its mean pre-bomb $F^{14}\text{C}$ with six cycles removed (0.902 ± 0.052 (1σ)) with Scan 1 (119040.1.1, 0.909 ± 0.056 (1σ)), it could be established that the contamination does not reach the region of interest. The specimen positioning error (Scan 1 was performed in the opposite direction (young-to-old)) led to the increase in the bomb peak slightly shifted towards the older parts of the sample. Hence, Scan 2 (119040.1.2) was deemed the most reliable and was selected to be the best representation of ^{14}C uptake by the otolith through the lifespan of this individual.

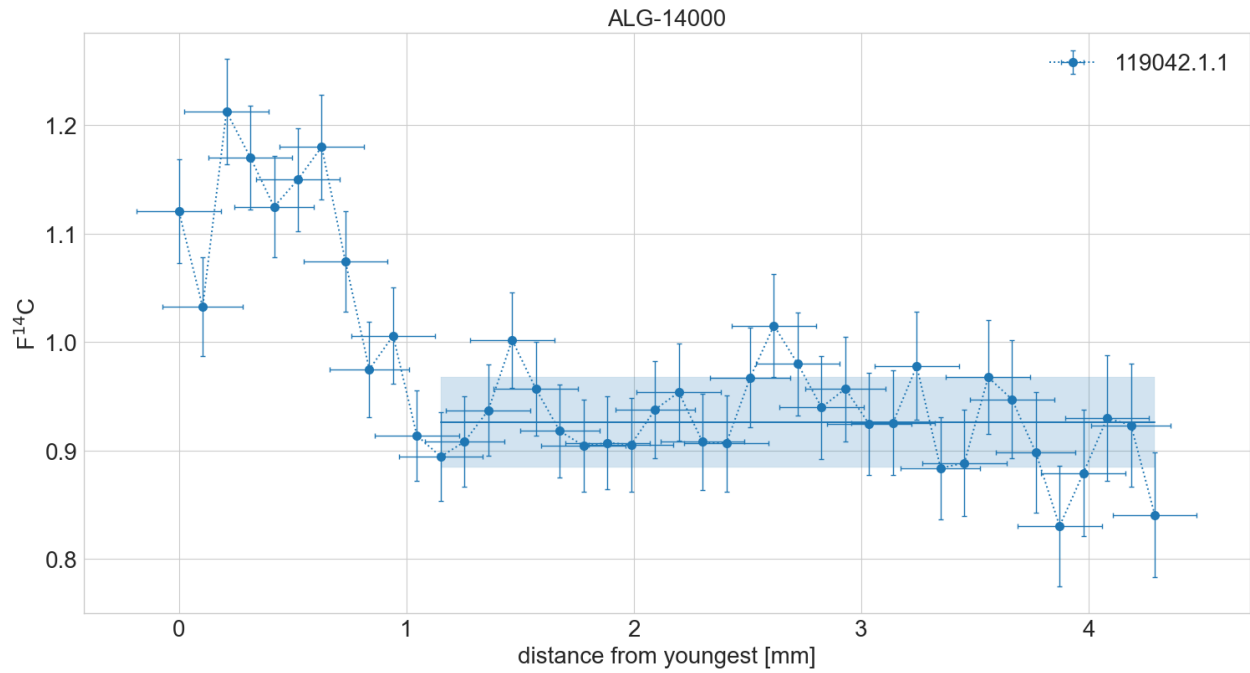


Figure S3. Resultant scan for ALG-14000. A total of 31 measurements provided a well-defined pre-bomb period (mean = 0.926 ± 0.042 (1σ)).

Table S2. LA-AMS data used in alligator gar date and age determinations presented in order.

ALG-9059 (20 um/s)												
ETHnumber	label	F14C	F14Cerror	deltaC13	deltaC13error	timestamp	dft	spot	dft_mm	spot_mm	sg	sg_err
119043.1.1	ALG-9059	0.4958	0.1195	-13.7913	0.00014	2021-10-29 13:58:59	7292	295	7.292	0.30	0.5650	0.0631
119043.1.1	ALG-9059	0.8962	0.0550	-6.5076	0.00014	2021-10-29 13:59:10	7083	295	7.083	0.30	0.7663	0.0387
119043.1.1	ALG-9059	0.8862	0.0521	-2.5761	0.00014	2021-10-29 13:59:20	6875	275	6.875	0.28	0.8708	0.0260
119043.1.1	ALG-9059	0.7262	0.0517	-2.1117	0.00014	2021-10-29 13:59:31	6667	295	6.667	0.30	0.8037	0.0297
119043.1.1	ALG-9059	0.8620	0.0588	-1.9941	0.00014	2021-10-29 13:59:42	6458	295	6.458	0.30	0.8069	0.0318
119043.1.1	ALG-9059	0.8418	0.0605	-0.3349	0.00014	2021-10-29 13:59:53	6250	295	6.250	0.30	0.8624	0.0342
119043.1.1	ALG-9059	0.8645	0.0646	-0.9183	0.00014	2021-10-29 14:00:03	6042	275	6.042	0.28	0.8679	0.0363
119043.1.1	ALG-9059	0.8962	0.0689	-1.6027	0.00014	2021-10-29 14:00:14	5833	295	5.833	0.30	0.8789	0.0374
119043.1.1	ALG-9059	0.8716	0.0661	-0.8734	0.00014	2021-10-29 14:00:25	5625	295	5.625	0.30	0.9065	0.0383
119043.1.1	ALG-9059	0.9359	0.0699	0.7341	0.00014	2021-10-29 14:00:36	5417	295	5.417	0.30	0.8860	0.0373
119043.1.1	ALG-9059	0.8364	0.0641	0.9709	0.00014	2021-10-29 14:00:46	5208	275	5.208	0.28	0.8761	0.0371
119043.1.1	ALG-9059	0.9110	0.0684	1.8866	0.00014	2021-10-29 14:00:57	5000	295	5.000	0.30	0.9357	0.0387
119043.1.1	ALG-9059	1.0430	0.0752	2.8186	0.00014	2021-10-29 14:01:08	4792	295	4.792	0.30	0.9529	0.0395
119043.1.1	ALG-9059	0.8358	0.0648	2.3230	0.00014	2021-10-29 14:01:19	4583	295	4.583	0.30	0.9321	0.0385
119043.1.1	ALG-9059	0.9540	0.0683	1.6913	0.00014	2021-10-29 14:01:29	4375	275	4.375	0.28	0.9087	0.0370
119043.1.1	ALG-9059	0.9475	0.0668	0.7568	0.00014	2021-10-29 14:01:40	4167	295	4.167	0.30	0.9556	0.0375
119043.1.1	ALG-9059	0.9034	0.0642	-0.0917	0.00014	2021-10-29 14:01:51	3958	295	3.958	0.30	0.8899	0.0354
119043.1.1	ALG-9059	0.8223	0.0590	-0.5347	0.00014	2021-10-29 14:02:02	3750	295	3.750	0.30	0.8492	0.0336
119043.1.1	ALG-9059	0.8699	0.0594	-0.4491	0.00014	2021-10-29 14:02:12	3542	275	3.542	0.28	0.8480	0.0326
119043.1.1	ALG-9059	0.9054	0.0596	-0.5622	0.00014	2021-10-29 14:02:23	3333	295	3.333	0.30	0.9552	0.0342
119043.1.1	ALG-9059	1.0511	0.0645	-0.1673	0.00014	2021-10-29 14:02:34	3125	295	3.125	0.30	0.9694	0.0344
119043.1.1	ALG-9059	0.8568	0.0586	-0.1652	0.00014	2021-10-29 14:02:45	2917	295	2.917	0.30	0.9090	0.0336
119043.1.1	ALG-9059	0.8333	0.0579	0.2204	0.00014	2021-10-29 14:02:55	2708	275	2.708	0.28	0.8420	0.0322
119043.1.1	ALG-9059	0.8901	0.0581	-0.5643	0.00014	2021-10-29 14:03:06	2500	295	2.500	0.30	0.8527	0.0318
119043.1.1	ALG-9059	0.8430	0.0561	-0.3373	0.00014	2021-10-29 14:03:17	2292	295	2.292	0.30	0.8931	0.0323
119043.1.1	ALG-9059	0.9519	0.0607	0.3520	0.00014	2021-10-29 14:03:28	2083	295	2.083	0.30	0.8925	0.0328
119043.1.1	ALG-9059	0.8997	0.0600	0.5338	0.00014	2021-10-29 14:03:38	1875	275	1.875	0.28	0.9693	0.0346
119043.1.1	ALG-9059	1.0703	0.0648	0.4402	0.00014	2021-10-29 14:03:49	1667	295	1.667	0.30	1.0222	0.0352
119043.1.1	ALG-9059	1.0440	0.0627	0.2658	0.00014	2021-10-29 14:04:00	1458	295	1.458	0.30	1.0517	0.0353
119043.1.1	ALG-9059	0.9695	0.0610	1.1917	0.00014	2021-10-29 14:04:11	1250	295	1.250	0.30	0.9648	0.0338
119043.1.1	ALG-9059	0.9141	0.0592	1.2910	0.00014	2021-10-29 14:04:21	1042	275	1.042	0.28	0.9525	0.0337
119043.1.1	ALG-9059	1.0081	0.0621	1.4922	0.00014	2021-10-29 14:04:32	833	295	0.833	0.30	0.9549	0.0336
119043.1.1	ALG-9059	0.9421	0.0593	1.0004	0.00014	2021-10-29 14:04:43	625	295	0.625	0.30	1.0014	0.0341
119043.1.1	ALG-9059	1.0354	0.0615	0.7587	0.00014	2021-10-29 14:04:54	417	295	0.417	0.30	0.9701	0.0331
119043.1.1	ALG-9059	0.9231	0.0572	1.2689	0.00014	2021-10-29 14:05:04	208	275	0.208	0.28	0.9754	0.0329
119043.1.1	ALG-9059	1.0090	0.0594	1.2723	0.00014	2021-10-29 14:05:15	0	295	0.000	0.30	0.9948	0.0329

ALG-11097 (Low to High Scan)												
ETHnumber	label	F14C	F14Cerror	deltaC13	deltaC13error	timestamp	dft	spot	dft_mm	spot_mm	sg	sg_err
119040.1.2	ALG-11097	0.9747	0.1285	-8.0046	0.00014	2021-10-29 13:23:09	4395	185	4.395	0.185	0.9993	0.0718
119040.1.2	ALG-11097	0.7221	0.0431	-9.0738	0.00014	2021-10-29 13:23:20	4291	185	4.291	0.185	0.6648	0.0344
119040.1.2	ALG-11097	0.4394	0.0277	-14.3427	0.00014	2021-10-29 13:23:31	4186	185	4.186	0.185	0.4948	0.0145
119040.1.2	ALG-11097	0.5018	0.0312	-11.6469	0.00014	2021-10-29 13:23:41	4081	175	4.081	0.175	0.4905	0.0181
119040.1.2	ALG-11097	0.6486	0.0399	-7.1199	0.00014	2021-10-29 13:23:52	3977	185	3.977	0.185	0.6499	0.0236
119040.1.2	ALG-11097	0.7631	0.0479	-4.1294	0.00014	2021-10-29 13:24:03	3872	185	3.872	0.185	0.7236	0.0274
119040.1.2	ALG-11097	0.7293	0.0496	-2.3095	0.00014	2021-10-29 13:24:14	3767	185	3.767	0.185	0.8043	0.0307
119040.1.2	ALG-11097	0.9101	0.0570	0.3460	0.00014	2021-10-29 13:24:24	3663	175	3.663	0.175	0.8361	0.0324
119040.1.2	ALG-11097	0.8133	0.0546	2.3337	0.00014	2021-10-29 13:24:35	3558	185	3.558	0.185	0.8523	0.0328
119040.1.2	ALG-11097	0.8311	0.0536	2.6373	0.00014	2021-10-29 13:24:46	3453	185	3.453	0.185	0.8482	0.0322
119040.1.2	ALG-11097	0.9225	0.0558	2.6664	0.00014	2021-10-29 13:24:57	3349	185	3.349	0.185	0.8813	0.0321
119040.1.2	ALG-11097	0.8686	0.0528	2.1525	0.00014	2021-10-29 13:25:07	3244	175	3.244	0.175	0.9115	0.0320
119040.1.2	ALG-11097	0.9525	0.0545	0.8136	0.00014	2021-10-29 13:25:18	3140	185	3.140	0.185	0.9399	0.0319
119040.1.2	ALG-11097	0.9784	0.0545	0.0609	0.00014	2021-10-29 13:25:29	3035	185	3.035	0.185	0.9598	0.0319
119040.1.2	ALG-11097	0.9181	0.0522	0.7118	0.00014	2021-10-29 13:25:40	2930	185	2.930	0.185	0.9548	0.0315
119040.1.2	ALG-11097	0.9805	0.0537	0.7854	0.00014	2021-10-29 13:25:50	2826	175	2.826	0.175	0.9676	0.0315
119040.1.2	ALG-11097	0.9664	0.0530	1.5908	0.00014	2021-10-29 13:26:01	2721	185	2.721	0.185	0.9417	0.0309
119040.1.2	ALG-11097	0.8475	0.0494	1.5771	0.00014	2021-10-29 13:26:12	2616	185	2.616	0.185	0.8924	0.0299
119040.1.2	ALG-11097	0.9045	0.0506	1.3349	0.00014	2021-10-29 13:26:23	2512	185	2.512	0.185	0.8887	0.0297
119040.1.2	ALG-11097	0.9134	0.0505	2.3426	0.00014	2021-10-29 13:26:33	2407	175	2.407	0.175	0.8969	0.0295
119040.1.2	ALG-11097	0.8541	0.0482	2.9172	0.00014	2021-10-29 13:26:44	2302	185	2.302	0.185	0.8892	0.0291
119040.1.2	ALG-11097	0.9192	0.0497	2.6294	0.00014	2021-10-29 13:26:55	2198	185	2.198	0.185	0.8964	0.0290
119040.1.2	ALG-11097	0.9115	0.0490	2.2659	0.00014	2021-10-29 13:27:06	2093	185	2.093	0.185	0.9235	0.0292
119040.1.2	ALG-11097	0.9187	0.0488	2.2387	0.00014	2021-10-29 13:27:16	1988	175	1.988	0.175	0.9251	0.0289
119040.1.2	ALG-11097	0.9081	0.0481	2.4128	0.00014	2021-10-29 13:27:27	1884	185	1.884	0.185	0.8741	0.0279
119040.1.2	ALG-11097	0.7923	0.0448	1.8143	0.00014	2021-10-29 13:27:38	1779	185	1.779	0.185	0.8488	0.0274
119040.1.2	ALG-11097	0.8988	0.0473	1.8191	0.00014	2021-10-29 13:27:49	1674	185	1.674	0.185	0.8660	0.0273
119040.1.2	ALG-11097	0.9140	0.0463	1.7517	0.00014	2021-10-29 13:27:59	1570	175	1.570	0.175	0.9251	0.0276
119040.1.2	ALG-11097	0.9244	0.0460	2.5856	0.00014	2021-10-29 13:28:10	1465	185	1.465	0.185	0.9189	0.0271
119040.1.2	ALG-11097	0.9049	0.0454	2.1330	0.00014	2021-10-29 13:28:21	1360	185	1.360	0.185	0.9082	0.0269
119040.1.2	ALG-11097	0.9126	0.0460	2.1210	0.00014	2021-10-29 13:28:32	1256	185	1.256	0.185	0.9363	0.0274
119040.1.2	ALG-11097	0.9843	0.0477	2.5468	0.00014	2021-10-29 13:28:42	1151	175	1.151	0.175	0.9415	0.0276
119040.1.2	ALG-11097	0.8986	0.0458	2.6734	0.00014	2021-10-29 13:28:53	1047	185	1.047	0.185	0.9408	0.0277
119040.1.2	ALG-11097	0.9519	0.0469	2.2832	0.00014	2021-10-29 13:29:04	942	185	0.942	0.185	0.9270	0.0273
119040.1.2	ALG-11097	0.9674	0.0467	2.4918	0.00014	2021-10-29 13:29:15	837	185	0.837	0.185	0.9947	0.0281
119040.1.2	ALG-11097	1.0775	0.0495	2.4059	0.00014	2021-10-29 13:29:25	733	175	0.733	0.175	1.0574	0.0288
119040.1.2	ALG-11097	1.1143	0.0497	2.1760	0.00014	2021-10-29 13:29:36	628	185	0.628	0.185	1.1310	0.0297
119040.1.2	ALG-11097	1.1638	0.0511	2.7058	0.00014	2021-10-29 13:29:47	523	185	0.523	0.185	1.1463	0.0299
119040.1.2	ALG-11097	1.1367	0.0509	2.3710	0.00014	2021-10-29 13:29:58	419	185	0.419	0.185	1.1639	0.0304
119040.1.2	ALG-11097	1.1677	0.0522	2.1551	0.00014	2021-10-29 13:30:08	314	175	0.314	0.175	1.1418	0.0306
119040.1.2	ALG-11097	1.0934	0.0515	2.4425	0.00014	2021-10-29 13:30:19	209	185	0.209	0.185	1.1094	0.0306
119040.1.2	ALG-11097	1.0721	0.0515	2.2804	0.00014	2021-10-29 13:30:30	105	185	0.105	0.185	1.0943	0.0308
119040.1.2	ALG-11097	1.0955	0.0533	3.5068	0.00014	2021-10-29 13:30:41	0	185	0.000	0.185	1.0846	0.0313

ALG-11097 (High to Low Scan)						<i>Reversed time</i>						
ETHnumber	label	F14C	F14Cerror	deltaC13	deltaC13error	timestamp	dft	spot	dft_mm	spot_mm	sg	sg_err
119040.1.1	ALG-11097	0.8539	0.0539	6.3048	0.00014	2021-10-29 13:18:33	4393	175	4.393	0.175	0.8789	0.0319
119040.1.1	ALG-11097	0.9739	0.0575	6.3994	0.00014	2021-10-29 13:18:23	4286	185	4.286	0.185	0.9071	0.0326
119040.1.1	ALG-11097	0.8623	0.0552	8.4151	0.00014	2021-10-29 13:18:12	4179	185	4.179	0.185	0.9074	0.0326
119040.1.1	ALG-11097	0.8752	0.0540	9.5192	0.00014	2021-10-29 13:18:01	4071	185	4.071	0.185	0.8446	0.0314
119040.1.1	ALG-11097	0.8355	0.0532	6.1300	0.00014	2021-10-29 13:17:50	3964	175	3.964	0.175	0.8722	0.0316
119040.1.1	ALG-11097	0.9166	0.0555	5.3157	0.00014	2021-10-29 13:17:40	3857	185	3.857	0.185	0.8713	0.0316
119040.1.1	ALG-11097	0.8572	0.0532	6.5092	0.00014	2021-10-29 13:17:29	3750	185	3.750	0.185	0.8980	0.0318
119040.1.1	ALG-11097	0.9181	0.0549	7.2376	0.00014	2021-10-29 13:17:18	3643	185	3.643	0.185	0.8875	0.0315
119040.1.1	ALG-11097	0.8777	0.0538	7.5793	0.00014	2021-10-29 13:17:07	3536	175	3.536	0.175	0.8865	0.0317
119040.1.1	ALG-11097	0.8644	0.0539	6.9620	0.00014	2021-10-29 13:16:57	3429	185	3.429	0.185	0.8694	0.0315
119040.1.1	ALG-11097	0.8977	0.0548	6.1417	0.00014	2021-10-29 13:16:46	3321	185	3.321	0.185	0.8911	0.0320
119040.1.1	ALG-11097	0.9320	0.0560	4.2512	0.00014	2021-10-29 13:16:35	3214	185	3.214	0.185	0.9476	0.0329
119040.1.1	ALG-11097	0.9925	0.0573	4.1469	0.00014	2021-10-29 13:16:24	3107	175	3.107	0.175	0.9488	0.0328
119040.1.1	ALG-11097	0.9153	0.0549	4.2507	0.00014	2021-10-29 13:16:14	3000	185	3.000	0.185	0.9791	0.0331
119040.1.1	ALG-11097	1.0394	0.0580	4.0158	0.00014	2021-10-29 13:16:03	2893	185	2.893	0.185	0.9809	0.0329
119040.1.1	ALG-11097	0.9524	0.0550	4.1981	0.00014	2021-10-29 13:15:52	2786	185	2.786	0.185	0.9791	0.0326
119040.1.1	ALG-11097	0.9178	0.0541	3.4638	0.00014	2021-10-29 13:15:41	2679	175	2.679	0.175	0.9033	0.0313
119040.1.1	ALG-11097	0.8805	0.0528	3.3286	0.00014	2021-10-29 13:15:31	2571	185	2.571	0.185	0.9098	0.0314
119040.1.1	ALG-11097	0.9480	0.0550	3.8425	0.00014	2021-10-29 13:15:20	2464	185	2.464	0.185	0.9177	0.0316
119040.1.1	ALG-11097	0.8794	0.0533	3.4940	0.00014	2021-10-29 13:15:09	2357	185	2.357	0.185	0.8608	0.0307
119040.1.1	ALG-11097	0.7812	0.0501	2.3460	0.00014	2021-10-29 13:14:58	2250	175	2.250	0.175	0.8564	0.0306
119040.1.1	ALG-11097	0.9711	0.0560	1.5578	0.00014	2021-10-29 13:14:48	2143	185	2.143	0.185	0.8841	0.0313
119040.1.1	ALG-11097	0.8837	0.0542	1.9543	0.00014	2021-10-29 13:14:37	2036	185	2.036	0.185	0.9484	0.0327
119040.1.1	ALG-11097	0.9625	0.0568	2.3955	0.00014	2021-10-29 13:14:26	1929	185	1.929	0.185	0.9091	0.0323
119040.1.1	ALG-11097	0.8890	0.0546	1.6682	0.00014	2021-10-29 13:14:15	1821	175	1.821	0.175	0.9332	0.0326
119040.1.1	ALG-11097	0.9613	0.0558	1.6753	0.00014	2021-10-29 13:14:05	1714	185	1.714	0.185	0.9412	0.0323
119040.1.1	ALG-11097	0.9556	0.0549	2.2469	0.00014	2021-10-29 13:13:54	1607	185	1.607	0.185	0.9393	0.0317
119040.1.1	ALG-11097	0.8765	0.0516	1.6895	0.00014	2021-10-29 13:13:43	1500	185	1.500	0.185	0.9059	0.0307
119040.1.1	ALG-11097	0.9124	0.0522	1.3250	0.00014	2021-10-29 13:13:32	1393	175	1.393	0.175	0.8832	0.0300
119040.1.1	ALG-11097	0.9020	0.0512	2.0682	0.00014	2021-10-29 13:13:22	1286	185	1.286	0.185	0.9389	0.0304
119040.1.1	ALG-11097	1.0190	0.0534	1.6504	0.00014	2021-10-29 13:13:11	1179	185	1.179	0.185	0.9765	0.0306
119040.1.1	ALG-11097	1.0008	0.0532	1.3756	0.00014	2021-10-29 13:13:00	1071	185	1.071	0.185	1.0220	0.0314
119040.1.1	ALG-11097	1.0744	0.0558	1.4450	0.00014	2021-10-29 13:12:49	964	175	0.964	0.175	1.0794	0.0326
119040.1.1	ALG-11097	1.2134	0.0595	1.3975	0.00014	2021-10-29 13:12:39	857	185	0.857	0.185	1.2274	0.0349
119040.1.1	ALG-11097	1.3269	0.0620	0.7541	0.00014	2021-10-29 13:12:28	750	185	0.750	0.185	1.2650	0.0356
119040.1.1	ALG-11097	1.1539	0.0591	1.0298	0.00014	2021-10-29 13:12:17	643	185	0.643	0.185	1.2041	0.0351
119040.1.1	ALG-11097	1.1482	0.0592	0.3545	0.00014	2021-10-29 13:12:06	536	175	0.536	0.175	1.1505	0.0345
119040.1.1	ALG-11097	1.1708	0.0587	-0.5107	0.00014	2021-10-29 13:11:56	429	185	0.429	0.185	1.1379	0.0339
119040.1.1	ALG-11097	1.0491	0.0549	-1.1776	0.00014	2021-10-29 13:11:45	321	185	0.321	0.185	1.0593	0.0321
119040.1.1	ALG-11097	0.9879	0.0519	-1.9010	0.00014	2021-10-29 13:11:34	214	185	0.214	0.185	1.0274	0.0298
119040.1.1	ALG-11097	1.0659	0.0543	-2.8120	0.00014	2021-10-29 13:11:23	107	175	0.107	0.175	0.9767	0.0344
119040.1.1	ALG-11097	0.8948	0.0771	-7.9056	0.00014	2021-10-29 13:11:13	0	185	0.000	0.185	0.9316	0.0438

ALG-14000												
ETHnumber	label	F14C	F14Cerror	deltaC13	deltaC13error	timestamp	dft	spot	dft_mm	spot_mm	sg	sg_err
119042.1.1	ALG-14000	1.0870	0.1656	-8.9396	0.00014	2021-10-29 13:39:37	4395	185	4.395	0.185	1.0431	0.0906
119042.1.1	ALG-14000	0.8408	0.0576	-1.0813	0.00014	2021-10-29 13:39:48	4291	185	4.291	0.185	0.9427	0.0503
119042.1.1	ALG-14000	0.9235	0.0568	1.4294	0.00014	2021-10-29 13:39:58	4186	175	4.186	0.175	0.8875	0.0284
119042.1.1	ALG-14000	0.9302	0.0580	2.2932	0.00014	2021-10-29 13:40:09	4081	185	4.081	0.185	0.9270	0.0342
119042.1.1	ALG-14000	0.8794	0.0582	3.5859	0.00014	2021-10-29 13:40:20	3977	185	3.977	0.185	0.8749	0.0341
119042.1.1	ALG-14000	0.8305	0.0556	4.6264	0.00014	2021-10-29 13:40:31	3872	185	3.872	0.185	0.8523	0.0333
119042.1.1	ALG-14000	0.8984	0.0554	3.0876	0.00014	2021-10-29 13:40:41	3767	175	3.767	0.175	0.8879	0.0325
119042.1.1	ALG-14000	0.9474	0.0542	3.0554	0.00014	2021-10-29 13:40:52	3663	185	3.663	0.185	0.9529	0.0321
119042.1.1	ALG-14000	0.9676	0.0526	3.6506	0.00014	2021-10-29 13:41:03	3558	185	3.558	0.185	0.9470	0.0308
119042.1.1	ALG-14000	0.8887	0.0490	3.9035	0.00014	2021-10-29 13:41:14	3453	185	3.453	0.185	0.9017	0.0290
119042.1.1	ALG-14000	0.8839	0.0469	4.4470	0.00014	2021-10-29 13:41:24	3349	175	3.349	0.175	0.9073	0.0284
119042.1.1	ALG-14000	0.9780	0.0497	6.2150	0.00014	2021-10-29 13:41:35	3244	185	3.244	0.185	0.9403	0.0287
119042.1.1	ALG-14000	0.9256	0.0482	7.0528	0.00014	2021-10-29 13:41:46	3140	185	3.140	0.185	0.9443	0.0286
119042.1.1	ALG-14000	0.9245	0.0470	6.5742	0.00014	2021-10-29 13:41:57	3035	185	3.035	0.185	0.9304	0.0281
119042.1.1	ALG-14000	0.9570	0.0483	4.5925	0.00014	2021-10-29 13:42:07	2930	175	2.930	0.175	0.9410	0.0282
119042.1.1	ALG-14000	0.9400	0.0475	3.6610	0.00014	2021-10-29 13:42:18	2826	185	2.826	0.185	0.9547	0.0283
119042.1.1	ALG-14000	0.9801	0.0476	4.6663	0.00014	2021-10-29 13:42:29	2721	185	2.721	0.185	0.9818	0.0281
119042.1.1	ALG-14000	1.0154	0.0475	5.3963	0.00014	2021-10-29 13:42:40	2616	185	2.616	0.185	1.0028	0.0279
119042.1.1	ALG-14000	0.9673	0.0461	5.7682	0.00014	2021-10-29 13:42:50	2512	175	2.512	0.175	0.9672	0.0272
119042.1.1	ALG-14000	0.9068	0.0444	5.4755	0.00014	2021-10-29 13:43:01	2407	185	2.407	0.185	0.9149	0.0264
119042.1.1	ALG-14000	0.9082	0.0441	6.4027	0.00014	2021-10-29 13:43:12	2302	185	2.302	0.185	0.9160	0.0261
119042.1.1	ALG-14000	0.9539	0.0447	5.8698	0.00014	2021-10-29 13:43:23	2198	185	2.198	0.185	0.9411	0.0264
119042.1.1	ALG-14000	0.9378	0.0445	4.7061	0.00014	2021-10-29 13:43:33	2093	175	2.093	0.175	0.9377	0.0262
119042.1.1	ALG-14000	0.9057	0.0432	4.6061	0.00014	2021-10-29 13:43:44	1988	185	1.988	0.185	0.9134	0.0257
119042.1.1	ALG-14000	0.9072	0.0428	4.9881	0.00014	2021-10-29 13:43:55	1884	185	1.884	0.185	0.9024	0.0252
119042.1.1	ALG-14000	0.9045	0.0425	5.6517	0.00014	2021-10-29 13:44:06	1779	185	1.779	0.185	0.9058	0.0252
119042.1.1	ALG-14000	0.9181	0.0429	5.3187	0.00014	2021-10-29 13:44:16	1674	175	1.674	0.175	0.9208	0.0253
119042.1.1	ALG-14000	0.9570	0.0434	2.2446	0.00014	2021-10-29 13:44:27	1570	185	1.570	0.185	0.9655	0.0258
119042.1.1	ALG-14000	1.0020	0.0440	1.7591	0.00014	2021-10-29 13:44:38	1465	185	1.465	0.185	0.9799	0.0257
119042.1.1	ALG-14000	0.9374	0.0423	2.5336	0.00014	2021-10-29 13:44:49	1360	185	1.360	0.185	0.9518	0.0252
119042.1.1	ALG-14000	0.9083	0.0416	3.6859	0.00014	2021-10-29 13:44:59	1256	175	1.256	0.175	0.9052	0.0245
119042.1.1	ALG-14000	0.8945	0.0412	4.0642	0.00014	2021-10-29 13:45:10	1151	185	1.151	0.185	0.8929	0.0243
119042.1.1	ALG-14000	0.9140	0.0418	3.7498	0.00014	2021-10-29 13:45:21	1047	185	1.047	0.185	0.9343	0.0250
119042.1.1	ALG-14000	1.0060	0.0444	3.4539	0.00014	2021-10-29 13:45:32	942	185	0.942	0.185	0.9677	0.0257
119042.1.1	ALG-14000	0.9750	0.0438	2.6772	0.00014	2021-10-29 13:45:42	837	175	0.837	0.175	1.0075	0.0264
119042.1.1	ALG-14000	1.0743	0.0462	3.0024	0.00014	2021-10-29 13:45:53	733	185	0.733	0.185	1.0761	0.0273
119042.1.1	ALG-14000	1.1801	0.0483	4.2793	0.00014	2021-10-29 13:46:04	628	185	0.628	0.185	1.1561	0.0282
119042.1.1	ALG-14000	1.1500	0.0475	5.6581	0.00014	2021-10-29 13:46:15	523	185	0.523	0.185	1.1567	0.0281
119042.1.1	ALG-14000	1.1249	0.0468	5.1810	0.00014	2021-10-29 13:46:25	419	175	0.419	0.175	1.1371	0.0278
119042.1.1	ALG-14000	1.1704	0.0478	3.8913	0.00014	2021-10-29 13:46:36	314	185	0.314	0.185	1.1831	0.0284
119042.1.1	ALG-14000	1.2125	0.0488	3.8602	0.00014	2021-10-29 13:46:47	209	185	0.209	0.185	1.1520	0.0281
119042.1.1	ALG-14000	1.0325	0.0455	3.8784	0.00014	2021-10-29 13:46:57	105	175	0.105	0.175	1.1276	0.0280
119042.1.1	ALG-14000	1.1208	0.0477	3.2280	0.00014	2021-10-29 13:47:08	0	185	0.000	0.185	1.0837	0.0277