Supporting Information

Setting the cadence of slicing events along deep subduction interfaces: 1. The tectonic and thermal structure of the high-*P* duplex in western Crete (Hellenic margin)

Armel Menant[1,2*], Romain Augier[3], Eloïse Bessière[1], Samuel Angiboust[4,5], Laurent Jolivet[6], Onno Oncken[2]

[1] Université Côte d'Azur, CNRS, Observatoire de la Côte d'Azur, IRD, Géoazur, Valbonne, France

[2] GFZ Helmholtz Centre Potsdam, German Research Centre for Geosciences, Potsdam, Germany

[3] Université d'Orléans, Institut de Sciences de la Terre d'Orléans (ISTO), CNRS, BRGM, UMR7327, Orléans, France

[4] École Normale Supérieure of Lyon, Université de Lyon, LGL-TPE, Lyon, France

[5] Institut Universitaire de France (IUF), Paris, France

[6] Sorbonne Université, CNRS-INSU, Institut des Sciences de la Terre de Paris (ISTeP), UMR7193, Paris, France

[*] Corresponding author (email: armel.menant@geoazur.unice.fr)

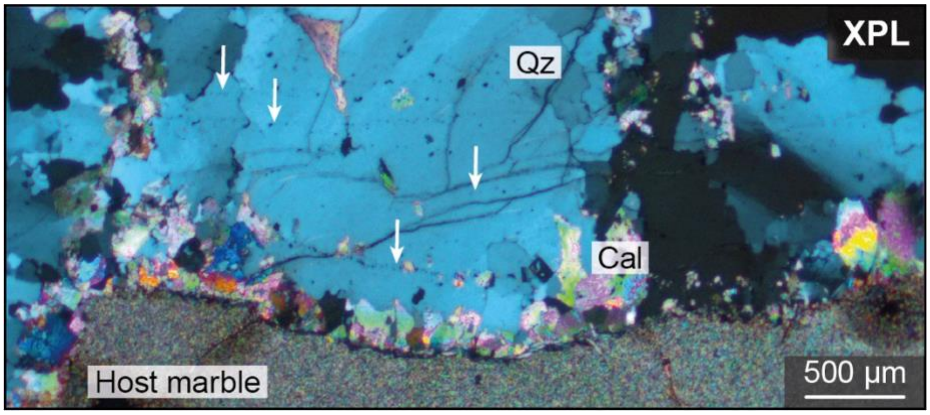

Figure S1: Cross-polarized-light (XPL) microscopic image of a sub-vertical high pressure-low temperature tensile vein with calcite (cal) and quartz (qz), locally expressed as elongated grains, in marble layers (Kalamos beds, Upper Trypali Unit). White arrows mark inclusion trails sub-parallel to the vein walls, indicating incremental crack-seal growth.

Table S1: List of samples analyzed by RSCM thermometry with GPS coordinates and elevation.

Sample	Unit	Latitude	Longitude	Elevation (m)	Mean T_{max} (°C)
CR1902b	High-*T* Phyllite-Quartzite	35°30′14″N	23°44′09″E	171	441 ± 18
CR1904d	Upper Trypali	35°21′35″N	23°31′57″E	7	367 ± 5
CR1906c	Medium-*T* Phyllite-Quartzite	35°26′53″N	23°34′45″E	263	400 ± 10
CR1910a	Medium-*T* Phyllite-Quartzite	35°20′45″N	23°40′01″E	764	423 ± 20
CR1912b	Upper Trypali	35°17′59″N	23°38′24″E	355	355 ± 9
CR1917a	Upper Trypali	35°16′28″N	23°36′43″E	368	387 ± 17
CR1918b	Upper Trypali	35°16′51″N	23°37′20″E	500	365 ± 10
CR1925b	Medium-*T* Phyllite-Quartzite	35°18′09″N	23°41′45″E	305	393 ± 9
CR1926b	Upper Trypali	35°16′01″N	23°42′49″E	333	407 ± 22
CR1927b	Medium-*T* Phyllite-Quartzite	35°16′32″N	23°43′29″E	431	409 ± 11
CR1929c	Upper Trypali	35°19′33″N	23°49′19″E	584	386 ± 7
CR1930	Medium-*T* Phyllite-Quartzite	35°21′12″N	23°49′06″E	827	410 ± 9
CR1932b	Plattenkalk *s.s.*	35°18′47″N	23°54′58″E	1195	346 ± 6
CR1935a	Medium-*T* Phyllite-Quartzite	35°22′42″N	23°54′04″E	770	405 ± 9
CR1936a	Medium-*T* Phyllite-Quartzite	35°20′50″N	23°44′14″E	510	405 ± 8
CR1938	Medium-*T* Phyllite-Quartzite	35°22′09″N	23°44′18″E	616	409 ± 9
CR1939	High-*T* Phyllite-Quartzite	35°22′56″N	23°43′53″E	623	432 ± 15
CR1940a	High-*T* Phyllite-Quartzite	35°24′36″N	23°44′02″E	597	441 ± 18
CR1943a	Medium-*T* Phyllite-Quartzite	35°19′07″N	23°42′09″E	348	409 ± 15
CR1945a	Upper Trypali	35°17′06″N	23°41′35″E	265	407 ± 10
CR1950	Medium-*T* Phyllite-Quartzite	35°21′13″N	23°40′29″E	584	409 ± 8
CR1952b	Upper Trypali	35°18′10″N	23°36′03″E	649	378 ± 8
CR1954	Medium-*T* Phyllite-Quartzite	35°18′35″N	23°45′08″E	719	414 ± 5
CR1956	Upper Trypali	35°17′34″N	23°47′09″E	521	374 ± 12
CR1962	Gigilos beds	35°17′36″N	23°57′27″E	352	344 ± 6
CR1964	Gigilos beds	35°18′32″N	23°55′29″E	1040	350 ± 6
CR1967	High-*T* Phyllite-Quartzite	35°24′34″N	23°41′01″E	271	432 ± 15
CR1970	Medium-*T* Phyllite-Quartzite	35°23′29″N	23°39′10″E	483	394 ± 12
CR1975	Upper Trypali	35°16′19″N	23°50′37″E	734	389 ± 13
CR2038	Ravdoucha beds	35°32′34″N	23°44′31″E	188	313 ± 17
CR2040	Ravdoucha beds	35°32′28″N	23°44′00″E	168	298 ± 15
CR2041	Medium-*T* Phyllite-Quartzite	35°18′03″N	23°45′00″E	880	391 ± 12
CR2043	Upper Trypali	35°15′30″N	23°44′26″E	435	362 ± 18
CR2045	Upper Trypali	35°16′16″N	23°43′06″E	370	409 ± 6
CR2046	Upper Trypali	35°16′57′N	23°45′44″E	533	381 ± 10
CR2047	Medium-*T* Phyllite-Quartzite	35°17′56″N	23°47′26″E	540	397 ± 12
CR2057	Plattenkalk *s.s.*	35°20′14″N	23°56′13″E	1209	345 ± 6
CR2058	Lower Trypali	35°20′52″N	23°55′58″E	1107	328 ± 7
CR2060	High-*T* Phyllite-Quartzite	35°23′51″N	23°43′58″E	510	427 ± 9
CR2067	Upper Trypali	35°21′48″N	23°36′41″E	507	372 ± 7
CR2068	Upper Trypali	35°23′08″N	23°33′43″E	264	386 ± 8
CR2070	Upper Trypali	35°17′08″N	23°41′37″E	272	416 ± 19
CR2071	Upper Trypali	35°15′50″N	23°41′29″E	209	386 ± 10
CR2072a	Medium-*T* Phyllite-Quartzite	35°17′06″N	23°42′09″E	451	393 ± 11

Table S2: Detailed RSCM thermometry results per sample. r^2: correlation coefficient. G: graphite band. D1-D4: defect bands. R2 ratio was calculated according to Beyssac *et al.* (2002) or Lahfid *et al.* (2010), depending on the number of defect bands. Spectra in italics were excluded from the mean-T_{max} calculation.

Sample. spectrum	r^2	D4	D1	D3	G	D2	R2 ratio	T_{max} (°C)
CR1902b (High-*T* Phyllite-Quartzite; 441 ± 18 °C)								
#1	0.9970		368610		384900	25020	0.4735	430
#2	0.9954		398160		416210	39525	0.4663	434
#3	0.9973		287510		464290	18856	0.3731	475
#4	0.9950		327760		348780	26177	0.4664	433
#5	0.9880		285400		383570	31873	0.4072	460
#6	*0.9769*		*195920*		*239800*	*22013*	*0.4280*	*451*
#7	0.9847		278220		344440	23752	0.4304	449
#8	0.9852		261930		250200	32045	0.4813	427
#9	*n.a.*		*n.a.*		*n.a.*	*n.a.*	*n.a.*	*n.a.*
#10	0.9947		281420		333640	33206	0.4341	448
#11	0.9969		294090		412550	27523	0.4006	463
#12	0.9977		392950		380850	40685	0.4825	426
#13	0.9965		320230		376640	33236	0.4386	446
#14	*0.9701*		*152620*		*225880*	*14686*	*0.3882*	*468*
#15	0.9968		254680		364310	27124	0.3942	466
#16	*0.9791*		*209860*		*266630*	*20178*	*0.4225*	*453*
#17	0.9940		263980		265010	31705	0.4708	431
#18	0.9954		387530		382250	55699	0.4695	432
#19	0.9966		618300		487420	85428	0.5191	410
#20	0.9900		456580		433930	54589	0.4831	426
CR1904d (Upper Trypali; 367 ± 5 °C)								
#1	0.9963		447410		263300	29880	0.6041	372
#2	0.9945		479530		247650	33234	0.6306	360
#3	0.9957		525040		278930	34890	0.6259	362
#4	0.9945		784550		416570	59373	0.6224	364
#5	0.9953		635320		349730	43231	0.6178	366
#6	0.9946		327450		195200	22389	0.6008	374
#7	0.9947		1104800		579710	78934	0.6265	362
#8	0.9962		647160		339520	47194	0.6260	362
#9	0.9969		661780		349300	49473	0.6240	363
#10	0.9932		288230		163880	18832	0.6120	369
#11	0.9916		225650		114290	18242	0.6300	361
#12	0.9965		495240		276990	36553	0.6123	369
#13	0.9964		562160		306930	41232	0.6175	366
#14	0.9928		422510		219930	31892	0.6266	362
#15	*0.9873*		*208940*		*138160*	*31363*	*0.5521*	*395*
#16	0.9944		458500		254630	32295	0.6151	367
#17	0.9965		467070		290990	28225	0.5940	377
#18	0.9929		490620		303670	31767	0.5939	377
#19	0.9909		175840		96205	14158	0.6144	368
#20	0.9957		323310		190250	25322	0.6000	374
CR1906c (Medium-*T* Phyllite-Quartzite; 400 ± 10 °C)								
#1	0.9945		268400		190040	22016	0.5586	392
#2	0.9956		311250		218840	24160	0.5616	391
#3	0.9959		420820		320630	30066	0.5454	398
#4	0.9913		288770		213650	22615	0.5500	396

#5	0.9939	134340	116820	8822	0.5167	411
#6	0.9927	171800	144120	12299	0.5234	408
#7	0.9971	322960	272160	21829	0.5235	408
#8	0.9963	296550	249240	20077	0.5241	408
#9	0.9959	266600	247620	19066	0.4999	419
#10	0.9972	603260	406000	40635	0.5746	385
#11	0.9954	227220	210830	14755	0.5018	418
#12	0.9913	138140	105260	10649	0.5438	399
#13	0.9945	307500	234720	24643	0.5425	400
#14	0.9822	91879	64939	7051	0.5607	391
#15	*0.9555*	*51109*	*35658*	*4694*	*0.5588*	*392*
#16	0.9956	186730	146240	13038	0.5397	401
#17	0.9905	121700	92687	9253	0.5442	399
#18	0.9893	172980	118450	12698	0.5688	388
#19	*0.9795*	*105500*	*83386*	*9134*	*0.5328*	*404*
#20	0.9932	263510	174370	18010	0.5780	384
CR1910a (Medium-*T* Phyllite-Quartzite; 423 ± 20 °C)						
#1	0.9966	279410	303810	27008	0.4579	437
#2	*0.9901*	*81057*	*112410*	*7713*	*0.4029*	*462*
#3	*0.9920*	*117260*	*172270*	*12174*	*0.3887*	*468*
#4	*0.9844*	*81128*	*125020*	*7739*	*0.3793*	*472*
#5	*0.9960*	*173290*	*264710*	*16705*	*0.3811*	*471*
#6	0.9843	142560	168220	13565	0.4395	445
#7	*0.9800*	*100880*	*131990*	*14415*	*0.4080*	*459*
#8	0.9923	160360	145530	16897	0.4968	420
#9	0.9979	550070	615960	41246	0.4556	438
#10	0.9932	234060	191250	17466	0.5286	406
#11	0.9960	271030	263860	21163	0.4874	424
#12	0.9979	215370	225730	17009	0.4701	432
#13	0.9979	246690	249450	18150	0.4797	428
#14	0.9970	365890	351290	23697	0.4939	421
#15	*0.9881*	*49897*	*90506*	*6666*	*0.3393*	*490*
#16	0.9974	343330	352320	24877	0.4765	429
#17	0.9977	379550	373960	27319	0.4861	425
#18	*0.9886*	*59204*	*86746*	*6993*	*0.3871*	*469*
#19	0.9809	104420	92395	9454	0.5062	416
#20	0.9944	279660	232130	23360	0.5226	408
#21	0.9959	146650	175870	12794	0.4374	446
#22	0.9953	145330	174080	12718	0.4376	446
#23	0.9961	162660	186220	11049	0.4519	440
#24	0.9970	339270	317700	24071	0.4982	419
#25	0.9898	85642	83556	5850	0.4892	423
#26	0.9941	93275	103300	6436	0.4595	437
#27	0.9972	371640	270440	25615	0.5566	393
#28	0.9957	163920	125840	12013	0.5432	399
#29	0.9926	105740	79097	8895	0.5458	398
#30	0.9961	199510	156700	14653	0.5380	402
#31	*0.9880*	*118030*	*161750*	*9712*	*0.4077*	*460*
#32	0.9981	420540	447090	26566	0.4703	432
#33	0.9983	263750	353600	21836	0.4126	457
#34	0.9925	112310	126800	11182	0.4487	441
#35	0.9835	119770	86924	18835	0.5311	405
#36	0.9926	152000	79328	12458	0.6235	364

#37	0.9967	188660	180470	13678	0.4928	422
#38	0.9964	152690	192660	10953	0.4285	450
#39	0.9971	367950	298210	25002	0.5324	404
#40	0.9978	386160	357030	26780	0.5015	418
CR1912b (Upper Trypali; 355 ± 9 °C)						
#1	0.9953	557230	320760	46973	0.6024	373
#2	0.9960	367560	184420	32957	0.6284	361
#3	0.9970	566670	295940	54976	0.6176	366
#4	0.9953	335930	187220	29420	0.6079	370
#5	0.9963	310320	141270	23245	0.6535	350
#6	0.9906	305770	148760	25490	0.6370	358
#7	0.9944	260800	112710	21269	0.6606	347
#8	0.9966	1248900	512370	99724	0.6711	342
#9	0.9963	328570	131990	28310	0.6721	342
#10	0.9944	228580	96593	21718	0.6589	348
#11	0.9944	228790	96725	21724	0.6589	348
#12	0.9967	431250	181550	36905	0.6638	346
#13	0.9972	368600	167090	27927	0.6540	350
#14	0.9934	130600	61183	10870	0.6445	354
#15	0.9963	234810	110600	18271	0.6456	354
#16	0.9973	302910	140500	23464	0.6488	352
#17	0.9952	185600	89080	14303	0.6423	355
#18	0.9974	372390	193790	26089	0.6288	361
#19	0.9959	176090	91146	13878	0.6264	362
#20	0.9964	368570	192600	32216	0.6211	365
CR1917a (Upper Trypali; 387 ± 17 °C)						
#1	0.9964	533860	383140	41435	0.5570	393
#2	0.9965	450070	317950	66797	0.5391	401
#3	0.9960	352810	211310	34255	0.5896	379
#4	0.9901	397240	333310	34188	0.5194	410
#5	0.9953	402040	293060	39064	0.5476	397
#6	0.9937	431050	346710	42753	0.5253	407
#7	0.9917	356690	230680	55261	0.5550	394
#8	0.9951	417160	297500	49830	0.5457	398
#9	0.9933	410190	274330	33141	0.5716	387
#10	0.9858	472220	225450	29312	0.6496	352
#11	0.9957	364050	231710	41087	0.5716	387
#12	0.9956	419470	272660	46941	0.5676	388
#13	0.9948	448720	329120	40347	0.5484	397
#14	0.9913	472010	264960	40615	0.6070	371
#15	*0.9898*	*441820*	*347560*	*28890*	*0.5399*	*401*
#16	0.9847	491490	537830	12992	0.4715	431
#17	0.9894	377910	277240	1952	0.5751	385
#18	0.9929	305870	168400	26926	0.6103	369
#19	0.9932	472380	227510	45575	0.6337	359
#20	0.9861	564030	450430	26375	0.5419	400
#21	0.9971	538290	264320	50386	0.6311	360
CR1918b (Upper Trypali; 365 ± 10 °C)						
#1	0.9936	406750	211010	42554	0.6160	367
#2	0.9915	164520	89218	14100	0.6143	368
#3	0.9974	458070	274780	44266	0.5894	379
#4	0.9957	881600	550280	71980	0.5862	380
#5	0.9974	841340	401790	73892	0.6388	357
#6	*0.9765*	*98194*	*46106*	*8205*	*0.6439*	*354*

#7	0.9892	244860	122620	22428	0.6280	362
#8	0.9955	314550	179960	21677	0.6094	370
#9	*0.9950*	*366170*	*264890*	*41726*	*0.5443*	*399*
#10	*0.9972*	*746150*	*538900*	*74614*	*0.5488*	*397*
#11	0.9978	719230	357890	56900	0.6342	359
#12	0.9978	763570	390900	63794	0.6268	362
#13	*0.9785*	*278440*	*141600*	*19677*	*0.6332*	*359*
#14	0.9968	206460	105090	16274	0.6298	361
#15	0.9946	400480	204250	38851	0.6223	364
#16	0.9946	371060	171800	30906	0.6467	353
#17	*0.9770*	*129720*	*43305*	*9683*	*0.7100*	*325*
#18	0.9974	929980	377120	73330	0.6737	341
#19	0.9948	199440	107340	17676	0.6147	367
#20	0.9950	277170	130770	28667	0.6348	359
#21	0.9928	218130	138240	20690	0.5785	384
#22	0.9964	415080	220670	37438	0.6166	367
CR1925b (Medium-*T* Phyllite-Quartzite; 393 ± 9 °C)						
#1	0.9953	477260	315620	38373	0.5741	386
#2	0.9970	521320	332570	52591	0.5751	385
#3	0.9950	417840	268400	40702	0.5748	385
#4	0.9972	738900	461200	66926	0.5832	381
#5	0.9886	243370	164840	25693	0.5609	391
#6	0.9960	324600	224260	30486	0.5603	392
#7	0.9942	171310	117650	15961	0.5618	391
#8	0.9907	2295800	2080900	150670	0.5071	415
#9	0.9958	887450	624650	71657	0.5603	392
#10	0.9948	509460	355310	42546	0.5615	391
#11	0.9974	1329900	916450	118050	0.5625	391
#12	0.9951	267800	189980	25063	0.5546	394
#13	0.9942	121280	87138	10255	0.5546	394
#14	0.9957	378760	253980	36924	0.5656	389
#15	0.9969	631520	433890	52660	0.5648	390
#16	0.9965	300410	209750	28561	0.5576	393
#17	0.9957	214220	148730	20506	0.5587	392
#18	0.9965	479980	339520	45174	0.5551	394
#19	0.9863	507760	315990	44115	0.5851	381
#20	0.9955	287850	248370	26854	0.5112	414
#21	0.9957	354420	297130	34960	0.5163	411
CR1926b (Upper Trypali; 407 ± 22 °C)						
#1	*0.9732*	*121160*	*104030*	*23229*	*0.4877*	*424*
#2	0.9969	397340	395630	40506	0.4767	429
#3	0.9946	539850	472940	63331	0.5017	418
#4	0.9965	597630	597530	49257	0.4802	427
#5	0.9956	179800	176700	18947	0.4789	428
#6	0.9937	146290	163110	14180	0.4521	440
#7	0.9976	523170	561880	51169	0.4604	436
#8	0.9925	317530	235110	43325	0.5328	404
#9	0.9972	359410	361410	45420	0.4691	432
#10	0.9926	368420	318580	47300	0.5017	418
#11	0.9927	370680	320340	47604	0.5019	418
#12	0.9941	289320	243940	30734	0.5130	413
#13	0.9935	238740	177840	37000	0.5263	407
#14	*0.9715*	*327710*	*284110*	*41981*	*0.5012*	*418*
#15	0.9928	474600	380120	72809	0.5117	413
#16	0.9943	450730	400100	73833	0.4875	424
#17	0.9931	972880	664890	52885	0.5754	385
#18	0.9967	643130	350770	45022	0.6190	366
#19	0.9970	192410	105650	16242	0.6122	369

#20	0.9890	181050	107980	10389	0.6047	372
#21	0.9950	201650	182110	19011	0.5007	418
#22	0.9931	103810	97712	10155	0.4904	423
#23	0.9983	880830	480920	62964	0.6183	366
#24	0.9978	1949800	1074200	143650	0.6155	367
#25	0.9824	130660	85914	11274	0.5735	386
#26	0.9857	70271	64895	7763	0.4916	422
#27	0.9929	107850	100900	10511	0.4919	422
#28	*0.9695*	*52701*	*44460*	*5349*	*0.5141*	*412*
#29	0.9986	438570	335070	39168	0.5396	401
#30	0.9989	1153600	862950	103650	0.5441	399
#31	0.9962	138370	114800	13931	0.5180	410
#32	0.9976	420730	341070	45108	0.5214	409
#33	0.9931	532820	396310	46352	0.5462	398
#34	0.9942	316620	250660	37603	0.5234	408
#35	0.9970	216820	106630	17687	0.6356	358
#36	0.9898	311990	228970	31542	0.5450	398
#37	0.9959	435950	369820	48113	0.5106	414
#38	0.9926	221540	212110	35025	0.4727	431
#39	0.9978	222750	220140	19674	0.4816	427
#40	0.9989	396350	347190	28913	0.5131	413
CR1927b (Medium-*T* Phyllite-Quartzite; 409 ± 11 °C)						
#1	0.9940	311000	235760	32685	0.5367	402
#2	0.9946	318480	264920	29058	0.5200	410
#3	0.9927	292730	229040	28496	0.5320	404
#4	0.9966	249440	198590	27267	0.5248	407
#5	0.9966	249960	199000	27253	0.5249	407
#6	0.9944	266700	224670	24041	0.5175	411
#7	0.9946	559580	399230	48208	0.5557	394
#8	0.9940	263750	259860	27877	0.4783	428
#9	0.9962	289620	283670	28629	0.4812	427
#10	*0.9926*	*43170*	*62543*	*3354*	*0.3958*	*465*
#11	*0.9952*	*69328*	*96093*	*6261*	*0.4038*	*461*
#12	*0.9970*	*128460*	*160170*	*9639*	*0.4307*	*449*
#13	*0.9977*	*205570*	*230650*	*15553*	*0.4550*	*439*
#14	0.9891	341410	274190	26183	0.5320	404
#15	*0.9964*	*114360*	*171600*	*8900*	*0.3878*	*468*
#16	*0.9948*	*105360*	*132880*	*9060*	*0.4260*	*451*
#17	*0.9938*	*86243*	*114230*	*7492*	*0.4147*	*456*
#18	*0.9879*	*33373*	*44612*	*2867*	*0.4128*	*457*
#19	0.9965	134610	147010	9709	0.4621	435
#20	0.9974	169190	174410	12630	0.4749	430
#21	*0.9898*	*52552*	*63809*	*4553*	*0.4346*	*448*
#22	*0.9939*	*84709*	*124840*	*9421*	*0.3869*	*469*
#23	*0.9952*	*61007*	*75230*	*5636*	*0.4300*	*450*
#24	*0.9972*	*106830*	*178590*	*11848*	*0.3594*	*481*
#25	*0.9981*	*171880*	*236520*	*12974*	*0.4079*	*459*
#26	*0.9953*	*109950*	*125150*	*9431*	*0.4496*	*441*
#27	*0.9962*	*68054*	*98828*	*6088*	*0.3934*	*466*
#28	0.9977	254490	220860	18870	0.5149	412
#29	0.9965	610590	451750	56457	0.5458	398
#30	0.9977	353450	272670	36925	0.5331	404
#31	0.9935	292810	243170	25487	0.5215	409
#32	0.9956	427040	388660	41003	0.4985	419
#33	0.9964	311420	235730	31941	0.5378	402
#34	0.9962	505570	408060	52366	0.5234	408
#35	0.9965	876200	657440	83008	0.5420	400
#36	0.9966	879100	659220	82855	0.5423	400

#37	0.9906	158690	106290	15473	0.5658	389
#38	0.9965	365100	299970	35589	0.5211	409
#39	0.9982	634020	539540	68230	0.5106	414
#40	0.9972	996420	742740	90317	0.5446	399
CR1929c (Upper Trypali; 386 ± 7 °C)						
#1	0.9913	235050	147890	22411	0.5799	383
#2	0.9964	594230	383960	47865	0.5791	383
#3	0.9932	647910	478790	57439	0.5472	398
#4	0.9976	887450	565500	72052	0.5819	382
#5	0.9914	164390	95045	14926	0.5992	374
#6	0.9850	117760	73797	10897	0.5817	382
#7	0.9976	532970	328520	43363	0.5890	379
#8	0.9976	824880	550350	72655	0.5697	387
#9	0.9961	924390	591700	83942	0.5777	384
#10	0.9959	1278200	847220	116930	0.5700	387
#11	0.9962	407550	236340	33681	0.6015	373
#12	0.9975	338800	204700	28369	0.5924	377
#13	0.9974	366520	241770	28466	0.5756	385
#14	0.9977	665760	460870	58269	0.5619	391
#15	0.9976	441430	299910	40140	0.5649	390
#16	0.9973	352370	226060	26747	0.5823	382
#17	0.9970	229470	147060	18694	0.5806	383
#18	0.9975	520040	366670	43416	0.5591	392
#19	0.9961	212040	146160	19217	0.5618	391
#20	0.9976	571410	392580	46230	0.5656	389
#21	0.9975	735060	575130	67101	0.5337	404
CR1930 (Medium-*T* Phyllite-Quartzite; 410 ± 9 °C)						
#1	0.9975	1356700	1194600	129360	0.5061	416
#2	0.9970	695020	534370	79462	0.5310	405
#3	0.9975	1089200	808780	99088	0.5454	398
#4	0.9972	771020	571570	70342	0.5457	398
#5	0.9973	452830	322140	43257	0.5534	395
#6	0.9972	262010	206040	22414	0.5342	403
#7	0.9970	303250	238460	25779	0.5344	403
#8	0.9975	388240	339050	38520	0.5070	415
#9	0.9971	235120	208610	25047	0.5016	418
#10	0.9979	484340	427980	47325	0.5047	416
#11	0.9973	565360	419560	64997	0.5385	401
#12	0.9968	285070	264100	45844	0.4791	428
#13	0.9980	478590	431780	47929	0.4994	419
#14	0.9977	504790	406830	62330	0.5183	410
#15	0.9975	315260	251920	37025	0.5218	409
#16	0.9973	569220	472120	73684	0.5105	414
#17	0.9971	439650	381840	66187	0.4953	421
#18	0.9974	455520	363570	59424	0.5185	410
#19	0.9975	1004900	783220	153140	0.5177	411
#20	0.9958	397260	299990	55510	0.5277	406
CR1932b (Plattenkalk *s.s.*; 346 ± 6 °C)						
#1	0.9879	1208200	531320	119180	0.6500	352
#2	0.9903	1011700	426140	107140	0.6548	350
#3	0.9813	319720	116430	32707	0.6819	338
#4	0.9923	552890	215230	61679	0.6663	344
#5	0.9911	618990	234420	73873	0.6675	344
#6	0.9900	624170	236830	77110	0.6653	345
#7	0.9920	832930	422660	88221	0.6198	365
#8	0.9936	968400	367580	131380	0.6600	347
#9	0.9916	908260	329080	107540	0.6753	340
#10	0.9942	799550	340760	82441	0.6539	350

#11	0.9928	617670	224580	73784	0.6743	341
#12	0.9921	776290	326780	86013	0.6528	350
#13	0.9918	784680	295320	101150	0.6643	345
#14	0.9945	1462900	631350	135430	0.6561	349
#15	0.9908	722890	295930	98135	0.6472	353
#16	0.9931	527560	205000	46771	0.6769	340
#17	0.9944	479770	191530	47287	0.6677	344
#18	0.9904	725130	270780	72422	0.6787	339
#19	0.9874	1201600	336440	254250	0.6704	343
#20	0.9923	779200	297940	84157	0.6710	342
CR1935a (Medium-*T* Phyllite-Quartzite; 405 ± 9 °C)						
#1	0.9948	113860	82171	11193	0.5495	396
#2	0.9909	160490	140890	11952	0.5122	413
#3	0.9910	153440	131850	12390	0.5155	412
#4	0.9948	126610	100390	12189	0.5293	405
#5	0.9838	104310	89425	10267	0.5113	413
#6	0.9966	205050	166990	25717	0.5155	412
#7	0.9969	238770	189530	30892	0.5200	410
#8	0.9968	228360	181100	27739	0.5223	409
#9	0.9974	297240	240760	33508	0.5201	410
#10	0.9971	251850	201800	27616	0.5233	408
#11	0.9913	133060	112850	12914	0.5141	412
#12	0.9913	132970	112770	12918	0.5141	412
#13	0.9885	114990	99782	11295	0.5087	415
#14	0.9953	127510	94121	11760	0.5463	398
#15	0.9955	140220	103390	12291	0.5479	397
#16	0.9974	256620	177360	20397	0.5648	390
#17	0.9962	143930	97032	13329	0.5660	389
#18	0.9928	121670	88760	10783	0.5500	396
#19	*0.9773*	*52663*	*33707*	*5456*	*0.5735*	*386*
#20	0.9917	65470	47160	5920	0.5523	395
CR1936a (Medium-*T* Phyllite-Quartzite; 405 ± 8 °C)						
#1	0.9939	507230	329530	66939	0.5613	391
#2	0.9971	332620	273160	40766	0.5145	412
#3	0.9978	507680	406280	59765	0.5214	409
#4	0.9964	485210	300260	60564	0.5735	386
#5	0.9969	204230	147890	25149	0.5413	400
#6	0.9976	317550	239890	38881	0.5325	404
#7	0.9948	128760	108160	16472	0.5081	415
#8	0.9934	184760	135070	24388	0.5368	402
#9	0.9956	163160	117150	22489	0.5388	401
#10	0.9973	381940	271020	49134	0.5440	399
#11	0.9952	213810	176500	25379	0.5144	412
#12	0.9971	276250	198280	26005	0.5519	395
#13	0.9955	461400	335810	53944	0.5421	400
#14	0.9977	499670	430840	56171	0.5064	416
#15	0.9974	622020	518990	73028	0.5124	413
#16	0.9984	407270	337090	47038	0.5146	412
#17	0.9979	857730	737740	91389	0.5085	415
#18	0.9983	1296200	1102100	121320	0.5144	412
#19	0.9969	243420	188290	27683	0.5299	405
#20	0.9974	684070	500090	88481	0.5375	402
CR1938 (Medium-*T* Phyllite-Quartzite; 409 ± 9 °C)						
#1	0.9949	184160	159200	22097	0.5039	417
#2	0.9932	124420	92641	13576	0.5395	401
#3	0.9947	159470	118560	18980	0.5369	402
#4	*0.9978*	*195670*	*223580*	*16673*	*0.4489*	*441*
#5	0.9914	235430	201480	21037	0.5141	412

#6	0.9926	210340	174720	17452	0.5226	408
#7	0.9934	255670	210150	24480	0.5215	409
#8	0.9963	188040	163800	21582	0.5036	417
#9	0.9939	113620	97920	12383	0.5074	415
#10	0.9935	108060	93620	11001	0.5081	415
#11	0.9980	643440	588890	62293	0.4970	420
#12	0.9978	392740	361470	34003	0.4983	419
#13	*0.9883*	*32401*	*57825*	*3584*	*0.3454*	*487*
#14	0.9952	581020	545260	72015	0.4849	425
#15	0.9952	218300	207870	19848	0.4894	423
#16	0.9944	224710	167530	23512	0.5405	400
#17	0.9942	201980	149940	20889	0.5418	400
#18	0.9872	115170	86305	12773	0.5376	402
#19	0.9913	181120	141780	18169	0.5310	405
#20	0.9946	202120	158420	19423	0.5319	404
#21	0.9937	135860	106780	13669	0.5301	405
#22	0.9956	306630	211850	31438	0.5576	393
#23	0.9967	240100	172310	26250	0.5473	397
CR1939 (High-*T* Phyllite-Quartzite; 432 ± 15 °C)						
#1	0.9842	86070	64854	10001	0.5348	403
#2	*0.9739*	*51182*	*53973*	*7180*	*0.4556*	*438*
#3	0.9964	304960	257760	24700	0.5192	410
#4	0.9948	277870	296380	29067	0.4606	436
#5	0.9966	345660	328120	43748	0.4817	427
#6	*0.9609*	*89234*	*75041*	*62858*	*0.3929*	*466*
#7	*0.9914*	*339970*	*147680*	*357920*	*0.4021*	*462*
#8	0.9904	107110	105870	12451	0.4751	430
#9	0.9942	137640	181630	16099	0.4104	458
#10	0.9916	86413	103650	7827	0.4367	447
#11	0.9911	163620	155330	15016	0.4899	423
#12	0.9856	120780	133960	14232	0.4490	441
#13	0.9968	279310	295110	31628	0.4609	436
#14	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*
#15	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*
#16	0.9962	193540	185390	22719	0.4819	427
#17	*0.9719*	*88083*	*62714*	*10195*	*0.5471*	*398*
#18	0.9823	119160	113990	14231	0.4817	427
#19	*0.9570*	*91837*	*130710*	*2779*	*0.4076*	*460*
#20	0.9803	192010	235590	15717	0.4331	448
#21	*0.9760*	*82977*	*80074*	*7155*	*0.4875*	*424*
#22	*0.9761*	*149860*	*184300*	*9420*	*0.4362*	*447*
#23	*0.9528*	*52730*	*66392*	*4847*	*0.4253*	*452*
CR1940a (High-*T* Phyllite-Quartzite; 441 ± 18 °C)						
#1	0.9931	177710	171880	17809	0.4837	426
#2	0.9982	500160	549640	1915	0.4756	429
#3	0.9963	313330	334440	29104	0.4629	435
#4	0.9964	287010	289030	29919	0.4736	430
#5	0.9938	204060	229690	21367	0.4484	441
#6	0.9949	222940	210800	20404	0.4909	423
#7	0.9983	450820	542180	32011	0.4398	445
#8	0.9977	311690	385500	32776	0.4270	451
#9	0.9973	337290	373600	31220	0.4545	439
#10	0.9960	336970	404260	21307	0.4419	444
#11	0.9982	219370	361420	21738	0.3641	479
#12	0.9975	269430	319130	25949	0.4384	446
#13	0.9963	206070	280400	18991	0.4077	460
#14	0.9981	283150	387950	27407	0.4054	461
#15	0.9900	147560	200920	14129	0.4069	460

#16	0.9980	311540	438190	28785	0.4002	463
#17	0.9929	171790	160660	15927	0.4931	422
#18	0.9955	392130	322630	34466	0.5234	408
#19	*0.9625*	*75618*	*69735*	*7748*	*0.4939*	*421*
#20	0.9977	376890	355930	37721	0.4891	423
CR1943a (Medium-*T* Phyllite-Quartzite; 409 ± 15 °C)						
#1	0.9922	273720	254590	22574	0.4969	420
#2	0.9976	248930	228280	22068	0.4986	419
#3	0.9977	279650	205060	28873	0.5445	399
#4	0.9972	261160	202290	26488	0.5330	404
#5	0.9888	178930	132470	11746	0.5537	395
#6	*0.9974*	*156750*	*198360*	*18239*	*0.4198*	*454*
#7	0.9981	232150	266430	19675	0.4479	442
#8	0.9975	212980	213340	23937	0.4730	431
#9	0.9964	265670	210840	23370	0.5315	404
#10	0.9855	146620	115520	12901	0.5331	404
#11	0.9809	100610	90100	9655	0.5021	418
#12	0.9972	257580	229700	26367	0.5015	418
#13	0.9955	290470	259130	23497	0.5068	415
#14	*0.9888*	*164980*	*205780*	*16405*	*0.4261*	*451*
#15	0.9981	255460	222080	23991	0.5094	414
#16	0.9915	247930	191950	18710	0.5406	400
#17	0.9974	310730	181380	29740	0.5954	376
#18	0.9982	406120	289860	34932	0.5556	394
#19	0.9972	288480	229900	26461	0.5295	405
#20	0.9985	382170	320370	34672	0.5184	410
CR1945a (Upper Trypali; 407 ± 10 °C)						
#1	0.9972	443400	359790	45948	0.5222	409
#2	0.9962	427920	375140	43118	0.5057	416
#3	0.9987	790670	727830	72332	0.4970	420
#4	0.9978	596480	487670	75133	0.5145	412
#5	0.9964	553980	459620	57536	0.5172	411
#6	0.9954	492060	411200	49649	0.5164	411
#7	0.9965	489270	394520	47764	0.5252	407
#8	0.9964	513660	367310	46007	0.5541	394
#9	*0.9976*	*804700*	*962870*	*83875*	*0.4346*	*448*
#10	0.9957	501630	399960	55125	0.5243	408
#11	0.9930	190850	176870	17923	0.4949	421
#12	0.9975	543850	468600	46127	0.5138	412
#13	0.9956	488540	346560	47308	0.5536	395
#14	0.9980	465570	455890	43448	0.4825	426
#15	0.9978	487350	405940	49367	0.5170	411
#16	*0.9969*	*329980*	*394440*	*33296*	*0.4355*	*447*
#17	0.9978	420760	400490	37693	0.4899	423
#18	0.9977	555500	445460	55504	0.5258	407
#19	0.9973	524760	368900	54026	0.5537	395
#20	0.9947	547710	392570	54880	0.5504	396
#21	0.9966	806370	666970	54385	0.5278	406
#22	0.9958	463370	395750	34866	0.5183	410
#23	0.9869	442140	333040	31351	0.5482	397
#24	0.9882	227410	186090	20844	0.5236	408
#25	0.9929	345110	258650	25405	0.5485	397
#26	0.9923	237330	171430	18758	0.5551	394
#27	0.9938	320130	252180	23998	0.5369	402
#28	0.9952	573330	471880	46469	0.5252	407
#29	0.9958	305010	257800	23809	0.5199	410
#30	0.9960	295520	245660	26323	0.5207	409
#31	0.9946	715570	570540	64790	0.5297	405

#32	0.9933	286850	255790	25610	0.5048	416
#33	0.9932	237270	210400	17455	0.5101	414
#34	0.9943	281690	288940	22866	0.4746	430
#35	0.9916	320900	282600	25685	0.5100	414
#36	0.9886	211340	174990	17077	0.5239	408
#37	*0.9977*	*379080*	*509550*	*17135*	*0.4185*	*455*
#38	0.9884	484330	352840	31784	0.5574	393
#39	0.9874	288430	203270	22317	0.5611	391
#40	0.9889	243070	165650	19560	0.5675	388
CR1950 (Medium-*T* Phyllite-Quartzite; 409 ± 8 °C)						
#1	0.9975	546420	411450	78443	0.5273	406
#2	0.9961	600590	513440	69396	0.5075	415
#3	0.9963	312070	225730	48763	0.5320	404
#4	0.9976	779130	642030	95954	0.5136	412
#5	0.9954	154130	120180	19430	0.5247	408
#6	0.9955	164310	125400	20746	0.5293	405
#7	0.9953	303580	210690	44078	0.5437	399
#8	0.9917	94587	71768	12813	0.5279	406
#9	0.9975	433100	340630	67926	0.5146	412
#10	0.9974	564080	402390	73692	0.5423	400
#11	0.9972	390610	268520	55056	0.5469	398
#12	0.9953	114640	78928	15487	0.5484	397
#13	0.9974	327030	254020	38487	0.5279	406
#14	0.9974	326880	253910	38490	0.5278	406
#15	0.9883	148320	112470	23763	0.5212	409
#16	0.9967	346780	269740	54886	0.5165	411
#17	0.9969	224110	216570	31273	0.4749	430
#18	0.9947	99146	89163	13306	0.4918	422
#19	0.9961	514920	400540	59813	0.5280	406
#20	0.9914	84516	75215	13809	0.4870	424
#21	0.9969	403500	316470	50801	0.5235	408
CR1952b (Upper Trypali; 378 ± 8 °C)						
#1	0.9932	329390	178810	23279	0.6198	365
#2	0.9928	419980	241640	50940	0.5894	379
#3	0.9911	226580	131010	20484	0.5993	374
#4	0.9937	491590	281460	47174	0.5993	374
#5	0.9937	378230	233240	40749	0.5799	383
#6	0.9923	280470	172180	30332	0.5807	383
#7	0.9948	331470	195940	33015	0.5915	378
#8	0.9933	228930	137500	18773	0.5943	377
#9	0.9948	675390	359220	60730	0.6166	367
#10	0.9941	466580	361780	41146	0.5366	402
#11	0.9851	171390	95740	15860	0.6056	371
#12	0.9932	333550	223730	42510	0.5561	394
#13	0.9887	155700	86381	17641	0.5995	374
#14	0.9930	215100	114570	22916	0.6101	370
#15	0.9958	423060	251550	45745	0.5873	380
#16	0.9943	421350	240210	52001	0.5905	378
#17	0.9944	422420	241090	51925	0.5904	378
#18	0.9959	930140	583160	108370	0.5736	386
#19	0.9914	347870	186730	43272	0.6020	373
#20	0.9947	818010	466270	105190	0.5887	379
#21	0.9909	271280	148300	34078	0.5980	375
CR1954 (Medium-*T* Phyllite-Quartzite; 414 ± 5 °C)						
#1	0.9981	358490	285620	30248	0.5316	404
#2	0.9924	262220	193610	30710	0.5389	401
#3	0.9972	321900	278490	30752	0.5100	414
#4	0.9956	213900	186490	23312	0.5048	416

#5	0.9970		195290		178570	19911	0.4959	420
#6	0.9935		140940		123610	13141	0.5075	415
#7	0.9977		424380		379210	41872	0.5020	418
#8	0.9972		240740		204170	25714	0.5115	413
#9	0.9918		124930		108280	14316	0.5047	416
#10	0.9965		244410		211920	25625	0.5071	415
#11	0.9948		147350		125470	13621	0.5144	412
#12	0.9912		99660		85950	9065	0.5119	413
#13	0.9892		94364		79119	8759	0.5178	411
#14	0.9964		206430		169470	23177	0.5173	411
#15	0.9948		113180		89160	13590	0.5242	408
#16	0.9956		129270		118440	12767	0.4963	420
#17	0.9950		112950		104570	10538	0.4953	421
#18	0.9958		139200		127350	13573	0.4969	420
#19	0.9961		150910		137480	15412	0.4967	420
#20	0.9969		273430		240760	27480	0.5048	416
CR1956 (Upper Trypali; 374 ± 12 °C)								
#1	0.9947		1268300		611550	95202	0.6422	355
#2	0.9977		656690		416430	54655	0.5823	382
#3	0.9964		420260		232570	36109	0.6100	370
#4	0.9980		665320		421440	54721	0.5829	382
#5	0.9967		600090		334940	56103	0.6055	372
#6	0.9966		505470		268730	44624	0.6173	366
#7	0.9957		526500		318170	50287	0.5883	379
#8	*0.9819*		*661220*		*274200*	*46752*	*0.6732*	*341*
#9	*0.9983*		*579850*		*541470*	*49540*	*0.4952*	*421*
#10	0.9980		1954000		1054200	156050	0.6175	366
#11	0.9972		586500		358210	55539	0.5864	380
#12	0.9955		604220		411080	46997	0.5688	388
#13	0.9957		485530		295560	42960	0.5892	379
#14	0.9980		624410		351950	48515	0.6093	370
#15	0.9928		672060		502030	42608	0.5524	395
#16	0.9973		536520		355950	54063	0.5668	389
#17	0.9964		523130		335790	44650	0.5790	383
#18	0.9969		610680		319080	54929	0.6202	365
#19	0.9971		677800		362240	57566	0.6175	366
#20	0.9943		730810		338260	56883	0.6491	352
CR1962 (Gigilos beds; 344 ± 6 °C)								
#1	0.9904		1034400		398060	113480	0.6691	343
#2	0.9895		639130		241250	73949	0.6697	343
#3	0.9909		983880		380020	120890	0.6626	346
#4	*n.a.*		*n.a.*		*n.a.*	*n.a.*	*n.a.*	*n.a.*
#5	0.9906		1229000		476370	149400	0.6626	346
#6	0.9892		1212000		473550	128650	0.6681	344
#7	0.9917		1454300		426480	298280	0.6674	344
#8	0.9909		1489700		442160	302340	0.6668	344
#9	0.9939		1224000		425410	162110	0.6757	340
#10	0.9941		1137500		358600	190850	0.6743	341
#11	0.9933		736300		278430	74026	0.6763	340
#12	0.9897		873460		381090	103590	0.6431	355
#13	0.9886		578560		235580	56521	0.6645	345
#14	0.9910		896340		347830	88015	0.6728	342
#15	0.9922		858380		326120	80714	0.6784	339
#16	0.9894		655230		256630	62052	0.6728	342
#17	0.9907		1336500		549540	181230	0.6465	353
#18	0.9940	101150	1398700	109910	500090	226320	0.6420	333
#19	0.9915		1286500		586750	138040	0.6396	356
#20	0.9950	84626	1415800	184020	431590	232520	0.6389	329

#21	0.9989		1461700		479400	258760	0.6645	345
CR1964 (Gigilos beds; 350 ± 6 °C)								
#1	0.9896		552660		255440	56109	0.6395	356
#2	0.9914		1338800		599740	149650	0.6411	356
#3	0.9958	179330	1844200	223270	630610	290870	0.6387	329
#4	0.9925		989720		447190	115600	0.6375	357
#5	0.9908		896800		373070	104240	0.6526	351
#6	0.9896		896170		359890	102410	0.6597	347
#7	0.9940		769700		317910	76718	0.6611	347
#8	0.9900		1358500		569120	139680	0.6571	349
#9	0.9901		1037200		420500	115550	0.6593	348
#10	0.9889		717990		317330	110610	0.6266	362
#11	0.9916		970790		398790	100590	0.6603	347
#12	0.9907		863540		379000	86934	0.6495	352
#13	0.9911		937750		392910	105180	0.6531	350
#14	0.9926		1911900		821680	171940	0.6580	348
#15	0.9911		901370		375770	96369	0.6563	349
#16	0.9895		972620		408050	97046	0.6582	348
#17	0.9911		938540		413410	98593	0.6470	353
#18	0.9910		974840		416450	109530	0.6495	352
#19	0.9892		654050		287430	61502	0.6521	351
#20	0.9892		798910		357230	78312	0.6472	353
CR1967 (High-*T* Phyllite-Quartzite; 432 ± 15 °C)								
#1	0.9981		503190		588130	45221	0.4427	444
#2	0.9972		459120		425280	49122	0.4918	422
#3	0.9951		193860		189100	18393	0.4830	426
#4	0.9942		694970		672210	53383	0.4892	423
#5	0.9972		1122900		959650	98091	0.5149	412
#6	0.9978		376390		404380	35729	0.4610	436
#7	0.9968		1280800		980010	108770	0.5405	400
#8	0.9973		235580		247230	21523	0.4671	433
#9	0.9982		844810		920000	76315	0.4589	437
#10	0.9965		370350		489660	34873	0.4139	457
#11	0.9971		244120		269010	25943	0.4529	439
#12	0.9947		147130		153730	15352	0.4653	434
#13	0.9946		141710		140030	13553	0.4799	427
#14	0.9875		54988		56829	5985	0.4668	433
#15	0.9961		179440		186850	19318	0.4653	434
#16	0.9955		162100		158090	15546	0.4828	426
#17	0.9972		280600		343670	26912	0.4309	449
#18	0.9967		138740		182820	14093	0.4133	457
#19	0.9973		546980		558430	51004	0.4730	431
#20	0.9936		144720		161970	12905	0.4528	439
#21	0.9970		246790		302590	23888	0.4305	449
#22	0.9970		252780		194310	24522	0.5360	402
CR1970 (Medium-*T* Phyllite-Quartzite; 394 ± 12 °C)								
#1	0.9972		712310		490480	74704	0.5576	393
#2	0.9939		446760		253640	40455	0.6030	373
#3	0.9969		580890		396610	54436	0.5629	391
#4	0.9974		587590		424940	56964	0.5494	397
#5	0.9931		225060		142560	24386	0.5741	386
#6	0.9938		205190		151980	21402	0.5420	400
#7	0.9977		614650		424880	59237	0.5594	392
#8	0.9969		516970		438370	44211	0.5172	411
#9	0.9917		168190		156390	14401	0.4962	420
#10	0.9913		159330		136350	15221	0.5125	413
#11	0.9942		391680		245100	37209	0.5811	382
#12	0.9962		354500		244600	36086	0.5581	393

#13	0.9922		196650		137270	22676	0.5515	396
#14	0.9977		619620		463500	54452	0.5447	399
#15	0.9945		252940		206250	25392	0.5220	409
#16	0.9975		648470		400900	58191	0.5855	380
#17	0.9887		203100		111120	21871	0.6043	372
#18	0.9956		436810		278970	42265	0.5762	385
#19	0.9966		455050		311390	41066	0.5635	390
#20	0.9972		662950		406310	65862	0.5840	381
#21	0.9950		403920		330040	44174	0.5191	410
#22	0.9959		381460		271410	41797	0.5491	397
#23	0.9974		717500		466680	69297	0.5724	386
#24	0.9976		603100		431060	60753	0.5508	396
CR1975 (Upper Trypali; 389 ± 13 °C)								
#1	0.9926		186930		116470	12525	0.5917	378
#2	0.9869		109980		61507	9047	0.6092	370
#3	0.9877		117630		66277	9958	0.6068	371
#4	0.9964		337130		267570	46394	0.5178	411
#5	0.9908		346060		241260	40716	0.5510	396
#6	*0.9956*		*305160*		*325920*	*25311*	*0.4649*	*434*
#7	0.9962		445950		351580	29132	0.5395	401
#8	0.9940		155340		133040	12296	0.5166	411
#9	*0.9924*		*24788*		*99649*	*556*	*0.1983*	*553*
#10	0.9839		209610		139170	18520	0.5707	387
#11	*0.9830*		*121840*		*88907*	*15224*	*0.5392*	*401*
#12	0.9936		325380		236890	34026	0.5457	398
#13	0.9915		183170		130690	23023	0.5437	399
#14	0.9834		89501		62041	8905	0.5578	393
#15	0.9938		247460		175790	22090	0.5557	394
#16	0.9951		323560		222410	29444	0.5623	391
#17	0.9942		279670		176790	26220	0.5794	383
#18	0.9936		232190		159640	18953	0.5652	389
#19	0.9849		148410		87848	12029	0.5977	375
#20	0.9814		127250		72054	9847	0.6084	370
CR2038 (Ravdoucha beds; 313 ± 17 °C)								
#1	0.9904	227790	1402800	186140	527380	249030	0.6288	316
#2	0.9924	164020	1489000	184050	528180	241430	0.6341	323
#3	0.9936	166900	1314900	159010	472870	205790	0.6389	329
#4	0.9937	146090	1728100	220890	587130	253930	0.6383	328
#5	0.9951	106640	990730	135770	357950	140670	0.6337	322
#6	0.9955	121750	1176800	183260	485490	170960	0.6073	289
#7	0.9955	79761	689200	118020	282320	103510	0.6041	285
#8	0.9911	32829	358270	55206	144170	60497	0.6008	281
#9	0.9935	209420	1430000	169870	501290	218250	0.6483	341
#10	0.9934	123880	981700	98772	358710	160540	0.6414	332
#11	0.9937	265850	2523800	408230	906520	402930	0.6189	304
#12	0.9929	99484	962870	176850	355260	160740	0.6053	287
#13	0.9951	88619	1007300	135080	325110	165400	0.6366	326
#14	0.9953	78454	834500	118560	285400	122670	0.6342	323
#15	0.9944	35198	473350	65947	165660	76625	0.6226	309
#16	0.9934	32262	380630	51981	131330	59179	0.6300	318
#17	0.9879	35301	343530	46901	129910	54959	0.6204	306
#18	0.9935	43805	444820	57286	160980	67660	0.6308	319
#19	0.9943	68201	713920	94847	251100	113500	0.6299	318
CR2040 (Ravdoucha beds; 298 ± 15 °C)								
#1	0.9961	606390	2058600	316530	855530	340160	0.6380	328
#2	0.9966	730290	2456400	418460	1091300	413100	0.6237	310
#3	0.9960	255660	1020600	203520	445030	173910	0.6081	290
#4	0.9959	280080	858330	150560	390830	148760	0.6226	308

#5	0.9958	191790	852980	142250	366110	154070	0.6120	295
#6	0.9963	143630	630700	119170	254120	98615	0.6213	307
#7	0.9960	328860	933010	169230	434590	153740	0.6249	311
#8	0.9962	227140	1069600	168080	459800	182970	0.6153	299
#9	0.9963	207850	1069300	191580	501040	174820	0.5955	275
#10	0.9963	298720	1321400	254450	552170	219790	0.6122	295
#11	0.9951	275800	1138100	145310	488640	197810	0.6296	317
#12	0.9949	753080	2557700	449040	1102300	476090	0.6202	306
#13	0.9951	647840	2224700	380700	1010500	388970	0.6174	302
#14	0.9956	231600	1091000	189970	509530	188300	0.5984	278
#15	0.9950	186170	1293400	241410	555040	225190	0.5915	270
#16	0.9913	85128	654180	66608	267760	124410	0.6171	302
#17	0.9961	100820	752580	97664	326140	126220	0.6081	290
#18	0.9962	453900	1542800	356890	703300	275040	0.5993	279
#19	0.9951	149820	770790	100480	320900	133860	0.6238	310
#20	0.9957	269630	1171100	180830	543560	191180	0.6114	295
CR2041 (Medium-*T* Phyllite-Quartzite; 391 ± 12 °C)								
#1	0.9977		621990		400490	42988	0.5838	381
#2	0.9973		557650		423400	42135	0.5450	398
#3	0.9940		887890		796890	81368	0.5027	417
#4	0.9964		324520		230030	32302	0.5530	395
#5	0.9972		265940		185190	27846	0.5552	394
#6	0.9962		299700		201690	25154	0.5692	388
#7	0.9912		380250		323870	20082	0.5251	407
#8	0.9973		512580		325460	40811	0.5832	381
#9	0.9964		323040		277640	33877	0.5091	414
#10	0.9974		384610		232340	28473	0.5959	376
#11	0.9980		341660		250460	23522	0.5550	394
#12	0.9967		750590		526290	63912	0.5598	392
#13	0.9965		337020		256750	24284	0.5453	398
#14	0.9984		1165900		863000	91580	0.5498	396
#15	0.9955		268940		165460	19784	0.5921	377
#16	0.9980		1006700		596580	68407	0.6022	373
#17	0.9978		435630		287420	31506	0.5773	384
#18	0.9975		686890		426860	44613	0.5930	377
#19	0.9975		484010		340210	40083	0.5600	392
#20	0.9976		404940		261030	26493	0.5848	381
CR2043 (Upper Trypali; 362 ± 18 °C)								
#1	0.9901		899110		476340	58318	0.6271	362
#2	0.9884		653900		348050	43012	0.6258	363
#3	0.9957		555510		200950	47026	0.6914	333
#4	0.9930		413680		226440	35384	0.6124	368
#5	0.9973		552250		202430	42791	0.6925	333
#6	0.9960		126540		48347	9315	0.6870	335
#7	0.9941		183290		70630	17060	0.6764	340
#8	0.9965		293360		123030	26085	0.6630	346
#9	0.9955		238480		141450	17133	0.6006	374
#10	0.9963		211320		125940	13351	0.6027	373
#11	0.9847		206380		129090	16001	0.5872	380
#12	0.9874		314450		209180	24731	0.5734	386
#13	0.9901		337340		185340	34644	0.6053	372
#14	0.9952		432140		244090	35965	0.6068	371
#15	0.9955		286120		173410	23017	0.5929	377
#16	0.9961		298230		178670	25657	0.5934	377
#17	0.9957		296550		176300	26766	0.5936	377
#18	0.9895		229580		92398	20804	0.6698	343
#19	0.9916		297140		126300	23608	0.6647	345
#20	0.9935		396600		236020	33706	0.5952	376

CR2045 (Upper Trypali; 409 ± 6 °C)

#1	*0.9933*	*106870*	*242820*	*7415*	*0.2993*	*508*
#2	*0.9980*	*192910*	*268910*	*18057*	*0.4020*	*462*
#3	*0.9962*	*206610*	*231580*	*17985*	*0.4529*	*439*
#4	*0.9919*	*97427*	*109460*	*9919*	*0.4494*	*441*
#5	0.9942	321590	250520	27565	0.5363	402
#6	0.9869	46509	35898	3949	0.5386	401
#7	0.9926	81370	64897	7287	0.5299	405
#8	0.9957	326260	267190	31198	0.5223	409
#9	0.9963	240520	196780	22926	0.5226	408
#10	0.9974	255310	189780	23939	0.5443	399
#11	0.9965	143040	125900	11471	0.5101	414
#12	0.9956	116570	100740	9175	0.5147	412
#13	*0.9672*	*48720*	*41676*	*4654*	*0.5126*	*413*
#14	0.9918	93288	79563	7337	0.5177	411
#15	*0.9834*	*41771*	*51859*	*4542*	*0.4255*	*452*
#16	0.9914	320530	275580	49434	0.4965	420
#17	0.9975	311260	272800	27421	0.5090	414
#18	0.9900	92094	78866	8886	0.5121	413
#19	0.9927	123480	105370	11885	0.5129	413
#20	0.9938	130820	99023	10893	0.5434	399
#21	0.9950	260490	194120	23608	0.5447	399
#22	0.9913	146370	122840	14062	0.5167	411
#23	0.9931	313710	239690	33796	0.5343	403
#24	0.9904	73414	60487	6444	0.5231	408
#25	0.9943	395980	323870	35365	0.5243	408
#26	0.9966	219830	193450	21262	0.5059	416
#27	0.9957	84991	74785	8103	0.5063	416

CR2046 (Upper Trypali; 381 ± 10 °C)

#1	0.9965	512000	386290	33379	0.5496	396
#2	0.9970	696260	445310	40888	0.5888	379
#3	0.9953	191940	119900	13014	0.5909	378
#4	0.9970	306740	202610	22474	0.5768	384
#5	0.9961	251790	137880	19941	0.6147	367
#6	0.9928	207590	115990	17193	0.6092	370
#7	0.9918	448530	292740	34037	0.5785	384
#8	0.9912	217970	146550	15942	0.5729	386
#9	0.9816	68057	37906	5740	0.6093	370
#10	0.9978	329890	320620	17571	0.4938	421
#11	0.9972	745070	414530	59347	0.6112	369
#12	0.9915	148820	87178	11529	0.6012	373
#13	0.9975	374040	266620	26651	0.5605	392
#14	0.9948	113660	86509	6902	0.5489	397
#15	0.9974	649620	450890	44669	0.5673	389
#16	0.9965	220170	144540	16113	0.5781	384
#17	*0.9954*	*400830*	*237710*	*28724*	*0.6007*	*374*
#18	0.9963	294770	171360	22383	0.6034	372
#19	0.9948	371380	217040	28803	0.6017	373
#20	0.9956	257290	152020	19155	0.6005	374
#21	*0.9976*	*443320*	*411860*	*26208*	*0.5030*	*417*
#22	0.9977	330080	261960	20870	0.5385	401

CR2047 (Medium-*T* Phyllite-Quartzite; 397 ± 12 °C)

#1	0.9930	867940	813420	31027	0.5069	415
#2	0.9970	421240	340470	25378	0.5352	403
#3	0.9941	194680	126700	16051	0.5769	384
#4	0.9969	1112800	751900	74138	0.5740	386
#5	0.9951	287580	219900	22788	0.5423	400
#6	0.9966	673160	448150	44333	0.5775	384

#7	0.9973		999290		700820	87794	0.5589	392
#8	0.9974		436600		280120	29083	0.5854	380
#9	0.9828		98520		83261	5618	0.5257	407
#10	0.9958		525610		410400	31186	0.5434	399
#11	0.9932		197370		144670	15416	0.5522	395
#12	0.9969		169810		153270	13529	0.5045	417
#13	0.9960		335350		205660	25361	0.5921	378
#14	0.9967		428060		371140	31110	0.5155	412
#15	0.9901		114020		91779	8470	0.5321	404
#16	0.9945		301320		218300	18698	0.5597	392
#17	*0.9769*		*137770*		*127270*	*6267*	*0.5078*	*415*
#18	0.9930		232460		163840	14675	0.5656	389
#19	*0.9789*		*148590*		*102530*	*15620*	*0.5571*	*393*
#20	0.9868		233760		192490	12754	0.5325	404
CR2057 (Plattenkalk *s.s.*; 345 ± 6 °C)								
#1	*0.9912*		*1472000*		*289930*	*210560*	*0.7463*	*309*
#2	0.9900		1054400		394030	167390	0.6525	351
#3	0.9932		803270		375710	64431	0.6460	354
#4	0.9939		3040400		1508900	218300	0.6377	357
#5	0.9953		657870		290930	52032	0.6573	348
#6	0.9933		795390		330730	64965	0.6678	344
#7	0.9939		1716500		748980	124820	0.6627	346
#8	0.9951		916870		371570	71008	0.6744	341
#9	0.9941		648930		266390	54828	0.6689	343
#10	0.9930		781690		341440	65110	0.6579	348
#11	0.9934		1116900		465600	78743	0.6723	342
#12	0.9930		1295300		588470	90286	0.6562	349
#13	0.9937		299700		118410	25937	0.6749	341
#14	0.9941		815740		326390	70575	0.6727	342
#15	0.9899		671990		284060	79473	0.6489	352
#16	*0.9898*		*3146600*		*385830*	*162740*	*0.8515*	*262*
#17	0.9963		1726800		643040	136960	0.6888	334
#18	0.9932		472320		195060	43132	0.6648	345
#19	0.9918		214180		84107	21127	0.6705	343
#20	0.9934		870250		332560	75206	0.6809	338
#21	0.9930		323460		125500	27418	0.6790	339
#22	0.9933		382850		160720	33369	0.6636	346
CR2058 (Lower Trypali; 328 ± 7 °C)								
#1	0.9945	88351	531450	69985	203880	79623	0.6368	326
#2	0.9964	146030	786620	82571	338820	105890	0.6388	329
#3	0.9968	438920	1827100	249830	806280	261660	0.6323	321
#4	0.9950	128220	813790	79996	335110	100790	0.6461	338
#5	0.9958	132310	997650	108190	385690	119740	0.6481	340
#6	0.9958	61817	631930	53541	252940	72497	0.6467	339
#7	0.9961	93475	850340	64051	365540	101460	0.6399	330
#8	0.9944	48150	405160	41192	173500	46376	0.6346	323
#9	0.9935	43969	403750	39234	177060	48319	0.6285	316
#10	0.9952	39621	453300	43004	183750	52557	0.6383	328
#11	0.9942	34179	238560	29504	96691	27819	0.6391	329
#12	*0.9935*	*26259*	*469650*	*40822*	*250280*	*28229*	*0.6083*	*291*
#13	0.9945	59761	273150	32061	116580	39949	0.6384	328
#14	0.9933	63670	388290	51020	165550	47340	0.6313	319
#15	0.9954	47875	363630	33652	153620	42348	0.6418	333
#16	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*
#17	*0.9955*	*46199*	*552640*	*34183*	*213950*	*62585*	*0.6584*	*353*
#18	*0.9949*	*37431*	*387080*	*23769*	*147310*	*43841*	*0.6639*	*360*
#19	0.9952	39527	523840	61707	209630	59784	0.6298	318
#20	0.9937	139630	749680	106990	285250	110260	0.6390	329

CR2060 (High-*T* Phyllite-Quartzite; 427 ± 9 °C)

#1	0.9982	647900	586380	45028	0.5064	416
#2	0.9971	885270	773690	65804	0.5133	413
#3	0.9972	558990	531490	34848	0.4967	420
#4	0.9967	350290	374880	23987	0.4676	433
#5	0.9933	184170	163230	14442	0.5090	415
#6	0.9971	543430	490420	38320	0.5069	415
#7	0.9974	424830	461210	25372	0.4661	434
#8	0.9977	544830	595840	31036	0.4650	434
#9	0.9968	343450	383100	24252	0.4574	437
#10	0.9953	206980	209740	12972	0.4817	427
#11	0.9975	495310	498070	32102	0.4830	426
#12	0.9974	379660	401360	25056	0.4710	431
#13	0.9962	485220	505070	38420	0.4717	431
#14	0.9955	241150	234750	17764	0.4885	424
#15	0.9931	215490	201410	15884	0.4979	419
#16	0.9963	452190	521630	33606	0.4489	441
#17	0.9929	155110	150840	13026	0.4863	425
#18	0.9967	388660	433610	28697	0.4567	438
#19	0.9979	489440	531600	38147	0.4621	435
#20	0.9981	649880	706170	49721	0.4623	435

CR2067 (Upper Trypali; 372 ± 7 °C)

#1	0.9969	414700	248420	28186	0.5999	374
#2	0.9980	851210	464190	56019	0.6207	365
#3	0.9982	1060400	589690	74228	0.6150	367
#4	0.9960	329650	179100	27267	0.6150	367
#5	0.9981	494020	301710	34387	0.5951	376
#6	0.9973	248350	153270	16366	0.5942	377
#7	0.9969	273080	180110	12702	0.5861	380
#8	0.9980	932090	500650	57646	0.6254	363
#9	0.9968	961760	488040	99410	0.6208	365
#10	0.9962	357020	192940	30198	0.6154	367
#11	0.9978	302320	194660	22294	0.5822	382
#12	0.9964	517080	303460	43136	0.5987	375
#13	0.9959	265110	163590	14856	0.5977	375
#14	0.9977	475420	263710	32663	0.6160	367
#15	0.9975	447170	256340	32511	0.6076	371
#16	0.9979	446150	252710	32315	0.6102	369
#17	0.9981	680300	386250	50492	0.6090	370
#18	0.9960	159480	100970	12896	0.5834	381
#19	0.9975	717020	439960	48261	0.5949	376
#20	0.9975	293030	188090	23768	0.5804	383
#21	0.9949	615530	287060	73518	0.6306	360
#22	0.9956	885330	457520	74731	0.6245	363

CR2068 (Upper Trypali; 386 ± 8 °C)

#1	0.9935	341930	251760	21045	0.5562	393
#2	0.9927	243620	158660	17510	0.5803	383
#3	0.9964	341610	240320	24500	0.5633	390
#4	0.9936	287520	221580	17838	0.5456	398
#5	0.9917	258670	170330	22391	0.5731	386
#6	0.9952	326760	218190	29578	0.5687	388
#7	0.9963	314890	208630	21684	0.5776	384
#8	*0.9881*	*283520*	*242010*	*16802*	*0.5228*	*408*
#9	0.9921	334420	226830	30912	0.5647	390
#10	*0.9902*	*432220*	*374600*	*30081*	*0.5165*	*411*
#11	*0.9894*	*304240*	*227370*	*20534*	*0.5510*	*396*
#12	*0.9871*	*124230*	*90138*	*11170*	*0.5508*	*396*
#13	0.9939	323980	245070	22353	0.5478	397

#14	0.9917	229930	168200	15980	0.5552	394
#15	0.9968	504740	295230	38418	0.6020	373
#16	*0.9874*	*148410*	*94116*	*9783*	*0.5882*	*379*
#17	0.9948	310820	227790	25265	0.5512	396
#18	*0.9845*	*107290*	*93416*	*8822*	*0.5121*	*413*
#19	0.9918	162790	117670	14989	0.5510	396
#20	0.9915	365050	212870	31822	0.5987	375
#21	0.9953	265260	191020	25171	0.5510	396
#22	0.9953	224160	157090	23819	0.5534	395
#23	0.9974	696970	429520	63800	0.5855	380
#24	0.9963	406780	247650	36201	0.5890	379
#25	0.9932	169210	95872	17009	0.5998	374
#26	0.9952	194700	109430	19989	0.6007	374
#27	0.9968	412760	274230	37580	0.5697	388
#28	0.9968	382200	247130	33869	0.5763	385
#29	0.9955	574170	330910	52789	0.5994	374
#30	0.9971	383110	240880	33747	0.5825	382
#31	0.9963	280810	175730	24429	0.5838	381
#32	0.9973	466810	306460	40463	0.5737	386
CR2070 (Upper Trypali; 416 ± 19 °C)						
#1	0.9947	197970	182440	17576	0.4974	420
#2	0.9879	95363	71877	9661	0.5391	401
#3	*0.9986*	*464860*	*640710*	*37062*	*0.4068*	*460*
#4	0.9966	491240	331120	241880	0.4616	436
#5	*0.9980*	*300950*	*410560*	*25364*	*0.4084*	*459*
#6	0.9919	161930	143460	17136	0.5021	418
#7	0.9923	220840	196790	22971	0.5012	418
#8	0.9951	219550	171700	22261	0.5309	405
#9	0.9948	245180	232740	25995	0.4866	424
#10	0.9908	132350	111510	12955	0.5154	412
#11	0.9849	114530	85319	11510	0.5419	400
#12	0.9974	280500	313560	25252	0.4529	439
#13	0.9977	428080	450760	42764	0.4645	434
#14	*0.9897*	*45458*	*63636*	*5589*	*0.3964*	*465*
#15	0.9956	307320	304480	33065	0.4766	429
#16	0.9957	309080	306470	33017	0.4766	429
#17	*0.9964*	*109050*	*167000*	*11379*	*0.3794*	*472*
#18	0.9881	96004	50822	8678	0.6174	366
CR2071 (Upper Trypali; 386 ± 10 °C)						
#1	0.9975	601830	437790	40325	0.5573	393
#2	0.9976	434260	310450	29353	0.5610	391
#3	0.9966	504190	325380	30912	0.5859	380
#4	*0.9963*	*447740*	*378320*	*47334*	*0.5126*	*413*
#5	0.9973	650290	454810	43899	0.5660	389
#6	*0.9973*	*958680*	*892990*	*64189*	*0.5004*	*418*
#7	0.9952	385940	271410	26170	0.5646	390
#8	0.9974	597040	330770	38362	0.6179	366
#9	0.9974	539210	389560	37060	0.5583	393
#10	0.9963	411270	297980	25742	0.5596	392
#11	0.9978	614710	444770	42689	0.5577	393
#12	0.9972	557220	343080	39472	0.5929	377
#13	0.9975	614300	420200	42808	0.5702	387
#14	0.9982	680290	464600	48826	0.5699	387
#15	0.9957	732840	625630	38605	0.5246	408
#16	0.9966	424450	295230	29516	0.5665	389
#17	0.9897	267360	195930	20693	0.5524	395
#18	0.9958	180430	121460	12773	0.5734	386
#19	0.9958	175990	120870	10721	0.5722	386

#20	0.9973	281410	175590	18613	0.5917	378
#21	0.9970	158690	87817	10695	0.6170	366
#22	0.9965	560860	345940	40716	0.5919	378
CR2072a (Medium-*T* Phyllite-Quartzite; 393 ± 11 °C)						
#1	0.9970	249810	186080	22119	0.5454	398
#2	0.9925	136390	110420	16847	0.5173	411
#3	0.9942	81537	57462	6305	0.5611	391
#4	0.9973	258080	185790	21225	0.5549	394
#5	0.9973	1073800	524660	433320	0.5285	406
#6	0.9979	302300	252460	28132	0.5186	410
#7	0.9953	218450	114640	23332	0.6129	368
#8	0.9956	174410	122150	16942	0.5563	393
#9	0.9962	290000	161560	28400	0.6042	372
#10	0.9976	217380	173250	15725	0.5350	403
#11	0.9957	157570	112710	12337	0.5575	393
#12	0.9953	256130	156350	28078	0.5814	382
#13	0.9971	350970	237170	30575	0.5673	389
#14	0.9981	606360	482770	43647	0.5353	403
#15	0.9921	109990	72973	13145	0.5609	391
#16	0.9967	384890	263360	34193	0.5640	390
#17	0.9895	81636	53481	9127	0.5660	389
#18	0.9814	66389	40344	7499	0.5812	382
#19	0.9933	114040	88966	9756	0.5360	402
#20	*0.9655*	*50125*	*27720*	*5414*	*0.6020*	*373*
#21	*0.9659*	*41344*	*20553*	*5629*	*0.6123*	*369*
#22	0.9930	110750	69998	12544	0.5730	386

References

Beyssac. O.. Goffé. B.. Chopin. C. and Rouzaud. J.N. (2002) Raman spectra of carbonaceous material in metasediments: a new geothermometer. *J. Metamorph. Geol.*. 20(9). pp. 859–871. https://doi.org/10.1046/j.1525-1314.2002.00408.x.

Lahfid. A.. Beyssac. O.. Deville. E.. Negro. F.. Chopin. C. and Goffé. B. (2010) Evolution of the Raman spectrum of carbonaceous material in low-grade metasediments of the Glarus Alps (Switzerland): RSCM in low-grade metasediments. *Terra Nova*. 22(5). pp. 354–360. https://doi.org/10.1111/j.1365-3121.2010.00956.x.