Supplementary Data File 2: Results of the low-field, room temperature AMS analysis (RT-AMS) averaged per sample

Sample	n	K_1	K_2	K_3	95% confidence E12/E23/E13	K_m	P_J	T	S_0^S_1	$(S_1$^$K_3)_{norm}$
Site 1 Outcrop 1A, Lostmarc'h area, Crozon peninsula										
TH003	11	1.0305	0.9905	0.9790	4.08 / 14.25 / 3.15	335.49 ± 39.13	1.0524 ± 0.0046	-0.5400 ± 0.0980	74	0.41 ± 0.08
TH004	10	1.0350	0.9865	0.9785	4.34 / 26.7 / 3.73	359.64 ± 14.60	1.0605 ± 0.0034	-0.7104 ± 0.0962	74	0.41 ± 0.25
TH009	5	1.0262	0.9986	0.9752	5.28 / 6.78 / 2.92	283.4 ± 14.15	1.0482 ± 0.0077	-0.0823 ± 0.1395	74	0.39 ± 0.04
TH010	4	1.0481	0.9995	0.9524	3.58 / 3.73 / 1.80	392.95 ± 10.03	1.0874 ± 0.0070	0.0089 ± 0.0570	65	0.20 ± 0.03
TH011	6	1.0407	0.9846	0.9747	3.45 / 18.90 / 2.92	397.57 ± 8.83	1.0706 ± 0.0034	-0.6943 ± 0.0707	58	0.77 ± 0.22
TH012	7	1.0433	0.9870	0.9697	3.09 / 10.3 / 2.39	340.40 ± 33.54	1.0752 ± 0.0054	-0.5193 ± 0.0758	58	0.77 ± 0.10
TH013	6	1.0383	0.9890	0.9727	2.77 / 8.27 / 2.05	480.12 ± 14.22	1.0663 ± 0.0047	-0.4914 ± 0.0354	79	0.67 ± 0.05
TH014	8	1.0395	0.9922	0.9683	4.45 / 8.90 / 2.96	430.91 ± 42.01	1.0680 ± 0.0031	-0.3148 ± 0.0578	60	0.78 ± 0.07
TH015	9	1.0261	1.0030	0.9709	4.93 / 3.40 / 1.88	310.71 ± 66.92	1.0583 ± 0.0069	0.1876 ± 0.2707	87	0.07 ± 0.03
TH016	18	1.0343	0.9942	0.9714	5.09 / 8.84 / 3.23	361.72 ± 43.60	1.0587 ± 0.0044	-0.2608 ± 0.0642	66	0.49 ± 0.06
TH017	6	1.0486	0.9877	0.9637	4.10 / 10.70 / 2.97	465.22 ± 24.22	1.0846 ± 0.0035	-0.4178 ± 0.0760	49	0.69 ± 0.21
TH018	5	1.0399	0.9898	0.9703	3.62 / 9.76 / 2.66	439.04 ± 10.21	1.0690 ± 0.0036	-0.4241 ± 0.0537	86	0.58 ± 0.04
TH019	13	1.0274	0.9922	0.9804	5.12 / 14.65 / 3.78	323.19 ± 16.32	1.0469 ± 0.0044	-0.4870 ± 0.0670	77	0.75 ± 0.05
TH020	8	1.0264	0.9915	0.9822	4.16 / 14.61 / 3.23	329.41 ± 15.90	1.0452 ± 0.0054	-0.5675 ± 0.0878	81	0.61 ± 0.07
Site 1 Outcrop 1B, Lostmarc'h area, Crozon peninsula										
TH032	13	1.0320	0.9921	0.9760	5.20 / 13.66 / 3.56	427.78 ± 32.23	1.0563 ± 0.0102	-0.4433 ± 0.2011	52	0.63 ± 0.23
TH033	10	1.0498	0.9971	0.9531	3.86 / 4.59 / 2.10	360.65 ± 21.61	1.0856 ± 0.0047	-0.0683 ± 0.0551	52	0.79 ± 0.05
TH034	11	1.0360	0.9949	0.9691	3.68 / 6.71 / 2.34	352.05 ± 34.17	1.0616 ± 0.0116	-0.2428 ± 0.1566	52	0.87 ± 0.05
TH035	14	1.0407	0.9984	0.9610	4.07 / 4.65 / 2.16	439.08 ± 22.41	1.0727 ± 0.0106	-0.0433 ± 0.0872	50	0.74 ± 0.02
TH036	14	1.0429	0.9970	0.9601	5.68 / 7.08 / 3.12	464.15 ± 26.13	1.0773 ± 0.0073	-0.0912 ± 0.1229	52	0.75 ± 0.02
TH038	15	1.0351	0.9928	0.9721	3.02 / 6.50 / 2.01	319.10 ± 17.10	1.0601 ± 0.0035	-0.3329 ± 0.1346	52	0.19 ± 0.02
TH039	5	1.0335	0.9951	0.9714	4.08 / 6.24 / 2.46	185.70 ± 16.80	1.0572 ± 0.0068	-0.2174 ± 0.0748	52	0.40 ± 0.12
Site 2 Outcrop 2A, Capucins Area, Crozon peninsula										
TH056	10	1.0711	1.0306	0.8983	7.05 / 2.16 / 1.66	318.84 ± 30.96	1.2328 ± 0.0071	0.5622 ± 0.0393	11	0.36 ± 0.10
TH057	4	1.0583	1.0187	0.9231	6.13 / 2.50 / 1.78	296.18 ± 6.21	1.1726 ± 0.0029	0.4420 ± 0.0444	9	/
TH058	7	1.0622	1.0153	0.9225	5.20 / 2.61 / 1.73	293.30 ± 10.71	1.1739 ± 0.0098	0.3600 ± 0.0397	17	0.22 ± 0.03
TH060	7	1.0644	1.0117	0.9239	4.16 / 2.54 / 1.57	165.66 ± 9.12	1.1697 ± 0.0054	0.2836 ± 0.0344	74	0.59 ± 0.04
TH061	2	1.0647	1.0045	0.9309	3.80 / 3.15 / 1.70	147.10 ± 3.54	1.1482 ± 0.0021	0.1329 ± 0.0092	50	0.20 ± 0.03
TH062	4	1.0651	1.0059	0.9290	4.50 / 3.43 / 1.93	212.20 ± 31.69	1.1537 ± 0.0024	0.1656 ± 0.0539	74	0.65 ± 0.03
TH063	11	1.0519	0.9994	0.9487	4.15 / 4.35 / 2.11	333.96 ± 25.45	1.0970 ± 0.0085	0.0083 ± 0.0676	50	0.11 ± 0.03
Site 2 Outcrop 2B, Capucins Area, Crozon peninsula										
TH041	10	1.0630	1.0170	0.9200	4.37 / 2.14 / 1.42	360.17 ± 21.93	1.1800 ± 0.0098	0.3878 ± 0.0528	6	/
TH043	10	1.0624	1.0140	0.9236	5.03 / 2.70 / 1.75	313.51 ± 18.36	1.1710 ± 0.0075	0.3343 ± 0.0315	6	/
TH049	6	1.0685	0.9939	0.9376	2.55 / 3.85 / 1.47	268.37 ± 51.73	1.1351 ± 0.0153	-0.1231 ± 0.2378	5	/
Site 2 Outcrop 2C, Capucins Area, Crozon peninsula										
TH053	5	1.0742	1.0210	0.9048	5.56 / 2.54 / 1.74	256.50 ± 16.16	1.2174 ± 0.0082	0.4077 ± 0.0330	43	0.09 ± 0.01
TH054	5	1.0802	1.0319	0.8879	7.66 / 2.64 / 1.96	343.22 ± 23.17	1.2595 ± 0.0088	0.5325 ± 0.0709	43	0.33 ± 0.07
TH055	7	1.0820	1.0259	0.8920	6.46 / 2.80 / 1.93	697.63 ± 47.63	1.2492 ± 0.0125	0.4487 ± 0.0843	42	0.17 ± 0.05

Sample	n	K_1	K_2	K_3	95% confidence E12/E23/E13	K_m	P_J	T	$S_0 \wedge S_1$	$(S_1 \wedge K_3)_{norm}$
Site 3 Outcrop 3A, Roc'h Trevezel Area, Monts d'Arrées										
TH121	13	1.0888	1.0333	0.8779	7.25 / 2.62 / 1.92	514.32 ± 50.18	1.2858 ± 0.0178	0.5150 ± 0.0538	13	0.51 ± 0.05
TH123	11	1.0940	1.0361	0.8700	8.98 / 3.17 / 2.35	446.45 ± 36.08	1.3068 ± 0.0179	0.5255 ± 0.0540	16	0.33 ± 0.01
TH124	13	1.0961	1.0372	0.8667	9.85 / 3.41 / 2.54	486.77 ± 32.65	1.3157 ± 0.0259	0.5302 ± 0.0418	9	/
TH127	12	1.0894	1.0329	0.8777	7.50 / 2.73 / 1.99	466.38 ± 53.98	1.2863 ± 0.0140	0.5078 ± 0.0501	3	/
TH129	8	1.1006	1.0563	0.8431	12.18 / 2.61 / 2.14	340.11 ± 23.18	1.3767 ± 0.0156	0.6949 ± 0.0775	17	0.29 ± 0.03
TH131	10	1.1091	1.0630	0.8280	13.60 / 2.72 / 2.25	360.83 ± 62.14	1.4193 ± 0.0240	0.7102 ± 0.0647	10	0.20 ± 0.05
TH132	17	1.1042	1.0364	0.8594	6.69 / 2.49 / 1.78	499.22 ± 45.38	1.3349 ± 0.0389	0.4873 ± 0.1210	21	0.56 ± 0.03
TH133	5	1.0907	1.0045	0.9047	2.82 / 2.36 / 1.28	368.56 ± 43.02	1.2021 ± 0.0225	0.1186 ± 0.0733	21	0.45 ± 0.01
Site 4 Outcrop 4A, Saint-Rivoal Area										
TH107	9	1.0311	1.0239	0.9451	30.48 / 2.54 / 2.33	352.68 ± 44.61	1.1172 ± 0.0043	0.8390 ± 0.0973	13	0.60 ± 0.02
TH108	11	1.0451	1.0283	0.9266	19.40 / 2.58 / 2.33	599.35 ± 70.44	1.1612 ± 0.0073	0.7287 ± 0.1109	18	0.72 ± 0.03
TH111	11	1.0291	1.0233	0.9475	23.79 / 1.77 / 1.64	463.51 ± 07.41	1.1115 ± 0.0041	0.8635 ± 0.0498	9	/
TH112	15	1.0461	1.0265	0.9274	12.65 / 2.40 / 2.02	537.52 ± 22.44	1.1601 ± 0.0054	0.6843 ± 0.0464	5	/
Site 4 Outcrop 4B, Saint-Rivoal Area										
TH103	13	1.0627	1.0023	0.9350	2.48 / 2.24 / 1.18	784.90 ± 54.30	1.1333 ± 0.0127	0.0848 ± 0.0656	50	0.39 ± 0.07
Site 5 Outcrop 5A, Roch du Feu Area, Montagnes Noires										
TH142	15	1.0658	1.0061	0.9281	3.16 / 2.41 / 1.37	473.14 ± 18.12	1.1564 ± 0.0086	0.1660 ± 0.0215	33	0.26 ± 0.05
TH143	11	1.0670	1.0011	0.9319	3.66 / 3.39 / 1.75	609.64 ± 61.20	1.1353 ± 0.0128	0.0599 ± 0.0714	19	0.51 ± 0.07
TH144	4	1.0627	0.9999	0.9374	3.53 / 3.78 / 1.80	594.73 ± 40.58	1.1238 ± 0.0145	0.0266 ± 0.0980	19	0.56 ± 0.14
TH148	15	1.0726	1.0206	0.9068	6.87 / 3.08 / 2.12	508.01 ± 33.18	1.2121 ± 0.0100	0.4071 ± 0.0611	35	0.16 ± 0.07
TH149	5	1.0664	1.0196	0.9140	6.12 / 2.66 / 1.84	661.34 ± 58.81	1.1944 ± 0.0049	0.4188 ± 0.0659	23	0.26 ± 0.10
Site 5 Outcrop 5B, Roch du Feu Area, Montagnes Noires										
TH151	12	1.0709	0.9915	0.9377	3.58 / 5.27 / 2.13	397.48 ± 31.11	1.1246 ± 0.0028	-0.1598 ± 0.0379	16	0.72 ± 0.11
TH152	15	1.0753	1.0093	0.9154	5.62 / 3.92 / 2.33	400.60 ± 31.62	1.1877 ± 0.0090	0.2120 ± 0.0461	12	0.34 ± 0.20
TH153	11	1.0722	1.0094	0.9184	5.86 / 4.65 / 2.77	511.83 ± 31.07	1.1811 ± 0.0064	0.2199 ± 0.0255	5	/
TH154	13	1.0668	0.9998	0.9335	4.68 / 4.71 / 2.35	446.52 ± 38.29	1.1283 ± 0.0129	0.0293 ± 0.0617	19	0.24 ± 0.07
TH155	11	1.0682	0.9881	0.9437	2.29 / 4.51 / 1.48	573.45 ± 62.79	1.1203 ± 0.0062	-0.2633 ± 0.1555	45	0.89 ± 0.04
TH157	12	1.0722	0.9883	0.9395	2.94 / 5.58 / 1.84	322.19 ± 47.22	1.1275 ± 0.0052	-0.2438 ± 0.2087	45	0.35 ± 0.07
TH158	13	1.0750	0.9851	0.9399	2.12 / 4.32 / 1.42	357.72 ± 42.50	1.1331 ± 0.0026	-0.3028 ± 0.1021	45	0.28 ± 0.08
TH159	11	1.0682	0.9802	0.9516	2.12 / 6.81 / 1.55	319.55 ± 48.76	1.1209 ± 0.0057	-0.4944 ± 0.1856	63	0.51 ± 0.28
TH160	8	1.0716	0.9721	0.9563	3.59 / 22.43 / 3.14	214.81 ± 26.68	1.1278 ± 0.0109	-0.7110 ± 0.0797	63	0.23 ± 0.18
TH161	10	1.0620	1.0046	0.9334	3.23 / 2.92 / 1.46	674.79 ± 62.81	1.1409 ± 0.0349	0.1151 ± 0.2302	25	0.17 ± 0.08
TH162	5	1.0639	0.9951	0.9411	3.72 / 4.68 / 2.06	505.16 ± 97.79	1.1152 ± 0.0040	-0.0884 ± 0.1302	75	0.38 ± 0.13
TH164	6	1.0790	0.9800	0.9411	2.15 / 5.47 / 1.52	482.70 ± 18.74	1.1412 ± 0.0025	-0.4097 ± 0.1117	45	0.28 ± 0.12
TH166	13	1.0670	0.9978	0.9353	3.01 / 3.32 / 1.56	677.50 ± 40.11	1.1255 ± 0.0141	-0.0213 ± 0.1140	19	0.66 ± 0.12

n - number of cubic specimens from the sample; $K_1 > K_2 > K_3$ - mean maximum, intermediate and minimum principal susceptibility axis; E_{12}, E_{23}, E_{13} - mean 95% confidence angle of K_1, K_2 and K_3, respectively; K_m - mean bulk susceptibility, expressed in 10^{-6} SI: $K_m = (K_1 + K_2 + K_3)/3$; P_J – mean corrected degree of anisotropy: $P_J = \exp 2[(\eta_1 - \eta_m)^2+(\eta_2 - \eta_m)^2+(\eta_3 - \eta_m)^2]^{1/2}$, with $\eta_1 = \ln K_1$, $\eta_2 = \ln K_2$, $\eta_3 = \ln K_3$ and $\eta_m = (\eta_1 \eta_2 \eta_3)^{1/3}$; T - mean shape parameter: $T = (2\eta_2 - \eta_1 - \eta_3)/(\eta_1 - \eta_3)$; $S_0 \wedge S_1$ - the angle between bedding and cleavage; $(S_1 \wedge K_3)_{norm}$ - mean normalized difference angle between the pole to cleavage and K_3: $(S_1 \wedge K_3)_{norm} = (S_1 \wedge K_3)/[(S_0 \wedge K_3)+(S_1 \wedge K_3)]$.