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Strain localization in ultramylonitic marbles by simultaneous activation of dislocation motion and grain boundary sliding (Syros, Greece)

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Table S1 Dislocation Densities and coresponding Stress

ρ [m^{-2}]	ρ_{max} [m^{-2}]	ρ_{min} [m^{-2}]	σ _DB [MPa]	σ _DB ρ_{max} [MPa]	σ _DB ρ_{min} [MPa]	σ _f [MPa]	σ _f ρ_{max} [MPa]	σ _f ρ_{min} [MPa]	σ _c [MPa]	σ _c ρ_{max} [MPa]	σ _c ρ_{min} [MPa]	σ _r [MPa]	σ _r ρ_{max} [MPa]	σ _r ρ_{min} [MPa]
$4.5*10^{13}$	$6.4*10^{13}$	$2.8*10^{13}$	221.20	274.27	164.51	123.47	146.85	97.24	96.52	114.81	76.02	156.80	186.50	123.50
$4.4*10^{13}$	$6.3*10^{13}$	$2.8*10^{13}$	219.34	271.97	163.13	122.63	145.85	96.58	95.87	114.03	75.51	155.74	185.24	122.66
$5.8*10^{13}$	$8.2*10^{13}$	$3.6*10^{13}$	259.78	322.11	193.21	140.56	167.18	110.70	109.89	130.70	86.55	178.51	212.32	140.60
$3.4*10^{13}$	$4.9*10^{13}$	$2.1*10^{13}$	187.12	232.02	139.17	107.88	128.32	84.97	84.34	100.32	66.43	137.01	162.96	107.91
$5.1*10^{13}$	$7.2*10^{13}$	$3.2*10^{13}$	239.28	296.69	177.96	131.54	156.46	103.61	102.84	122.32	81.00	167.06	198.70	131.58
$2.7*10^{13}$	$3.8*10^{13}$	$1.7*10^{13}$	160.25	198.70	119.18	95.20	113.24	74.98	74.43	88.53	58.62	120.91	143.81	95.23
$3.9*10^{13}$	$5.5*10^{13}$	$2.4*10^{13}$	203.13	251.87	151.08	115.27	137.10	90.79	90.12	107.18	70.98	146.39	174.12	115.30
$4.8*10^{13}$	$6.8*10^{13}$	$3.0*10^{13}$	230.35	285.62	171.32	127.57	151.73	100.47	99.73	118.62	78.55	162.02	192.70	127.60
$3.3*10^{13}$	$4.6*10^{13}$	$2.0*10^{13}$	181.94	225.60	135.32	105.47	125.44	83.07	82.46	98.07	64.94	133.95	159.32	105.50
$3.3*10^{13}$	$4.7*10^{13}$	$2.1*10^{13}$	182.99	226.89	136.10	105.96	126.02	83.45	82.84	98.52	65.24	134.57	160.05	105.99
$4.4*10^{13}$	$6.2*10^{13}$	$2.8*10^{13}$	218.77	271.26	162.71	122.37	145.55	96.38	95.67	113.79	75.35	155.41	184.85	122.40
$2.6*10^{13}$	$3.7*10^{13}$	$1.6*10^{13}$	157.98	195.89	117.50	94.12	111.94	74.13	73.58	87.51	57.95	119.53	142.17	94.14
$3.3*10^{13}$	$4.6*10^{13}$	$2.0*10^{13}$	180.90	224.30	134.54	104.98	124.86	82.68	82.07	97.62	64.64	133.33	158.58	105.01
$4.0*10^{13}$	$5.7*10^{13}$	$2.5*10^{13}$	207.18	256.89	154.09	117.12	139.30	92.24	91.56	108.90	72.11	148.74	176.91	117.15
$4.1*10^{13}$	$5.8*10^{13}$	$2.6*10^{13}$	209.53	259.80	155.84	118.19	140.57	93.08	92.40	109.90	72.77	150.10	178.53	118.22
$4.7*10^{13}$	$6.7*10^{13}$	$3.0*10^{13}$	227.77	282.42	169.40	126.42	150.36	99.57	98.83	117.55	77.84	160.55	190.96	126.45
$4.5*10^{13}$	$1.2*10^{14}$	$2.8*10^{13}$	221.31	398.61	164.54	123.52	198.53	97.26	96.56	155.21	76.04	156.87	252.13	123.52
$5.1*10^{13}$	$1.3*10^{14}$	$3.2*10^{13}$	239.49	431.36	178.06	131.64	211.58	103.65	102.91	165.41	81.03	167.18	268.71	131.64
$5.4*10^{13}$	$1.4*10^{14}$	$3.3*10^{13}$	247.48	445.75	184.00	135.17	217.25	106.43	105.67	169.84	83.21	171.66	275.91	135.17
$5.1*10^{13}$	$1.3*10^{14}$	$3.2*10^{13}$	240.30	432.81	178.66	131.99	212.15	103.93	103.19	165.86	81.25	167.64	269.44	132.00
$5.8*10^{13}$	$1.5*10^{14}$	$3.6*10^{13}$	257.63	464.04	191.55	139.62	224.41	109.94	109.16	175.44	85.95	177.32	285.01	139.62
$2.5*10^{13}$	$6.5*10^{13}$	$1.6*10^{13}$	154.32	277.96	114.74	92.36	148.44	72.72	72.20	116.05	56.85	117.29	188.52	92.36
$2.0*10^{13}$	$5.2*10^{13}$	$1.2*10^{13}$	133.77	240.94	99.46	82.30	132.28	64.80	64.34	103.42	50.66	104.52	168.00	82.30
$3.4*10^{13}$	$8.8*10^{13}$	$2.1*10^{13}$	186.13	335.25	138.39	107.42	172.66	84.59	83.98	134.98	66.13	136.43	219.28	107.43
$4.7*10^{13}$	$1.2*10^{14}$	$2.9*10^{13}$	227.55	409.85	169.18	126.32	203.03	99.46	98.75	158.73	77.76	160.43	257.85	126.32
$3.3*10^{13}$	$8.6*10^{13}$	$2.1*10^{13}$	183.65	330.79	136.55	106.27	170.80	83.68	83.08	133.53	65.42	134.96	216.92	106.27
$2.7*10^{13}$	$7.0*10^{13}$	$1.7*10^{13}$	161.03	290.04	119.72	95.58	153.62	75.26	74.72	120.10	58.84	121.39	195.10	95.58
$2.0*10^{13}$	$5.1*10^{13}$	$1.2*10^{13}$	133.00	239.56	98.89	81.92	131.67	64.50	64.04	102.94	50.43	104.04	167.22	81.92
$2.5*10^{13}$	$6.5*10^{13}$	$1.6*10^{13}$	154.62	278.50	114.96	92.50	148.67	72.83	72.32	116.23	56.94	117.48	188.82	92.50
$2.7*10^{13}$	$6.9*10^{13}$	$1.6*10^{13}$	159.75	287.74	118.78	94.97	152.64	74.78	74.24	119.33	58.46	120.61	193.85	94.97
$3.1*10^{13}$	$7.9*10^{13}$	$1.9*10^{13}$	174.62	314.52	129.83	102.03	164.00	80.34	79.77	128.21	62.81	129.59	208.28	102.04
$2.5*10^{13}$	$6.5*10^{13}$	$1.5*10^{13}$	153.72	276.88	114.29	92.06	147.97	72.49	71.98	115.68	56.67	116.92	187.93	92.07