

Supplementary information for

Stable isotopes in caves over altitudinal gradients: fractionation behaviour and inferences for speleothem sensitivity to climate change.

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Table S1. Compilation of published cave calcite oxygen isotope data with corresponding dripwater isotope data and temperature information. $1000\ln\alpha_{\text{calcite-water}}$ value shown for measured isotope values. For further details of the samples please see the original articles, with those shown as “Name (year) ref.” indicating references therein.

Reference	Sample Name	$\delta^{18}\text{O}_c$ (‰ PDB)	$\delta^{18}\text{O}_c$ (‰ SMOW)	$\delta^{18}\text{O}_w$ (‰ SMOW)	T (°C)	1000/T (°K)	1000 ln α
This study	BG1	-7.11	23.58	-8.51	8.1	3.56	31.85
This study	BG2	-6.84	23.85	-8.62	8.1	3.56	32.23
This study	BG2a	-7.03	23.67	-8.92	8.1	3.66	32.35
This study	BG3	-6.98	23.72	-8.96	7.5	3.56	32.44
This study	BG4	-6.85	23.85	-8.75	8.1	3.56	32.36
This study	BG5	-6.69	24.02	-8.48	6.9	3.56	32.25
This study	BG6	-7.50	23.18	-9.00	8.1	3.56	31.95
This study	BG7	-7.05	23.65	-9.19	6.2	3.57	32.60
This study	ER1	-6.98	23.71	-9.54	7.2	3.57	33.02
This study	ER2	-7.03	23.67	-9.44	7.2	3.57	32.88
This study	ER3	-7.16	23.53	-9.43	7.2	3.57	32.74
This study	ER4	-7.53	23.14	-9.51	7.2	3.57	32.44
This study	ER5	-6.90	23.79	-9.47	7.2	3.57	33.03
This study	ER6	-6.52	24.19	-9.47	7.2	3.57	33.42
This study	ER7	-6.77	23.93	-9.45	7.2	3.57	33.15
This study	ER8	-6.42	24.29	-9.74	7.2	3.57	33.79
This study	FS1	-7.12	23.57	-8.91	8.0	3.56	32.25
This study	FS2	-6.90	23.80	-8.97	7.8	3.56	32.53
This study	FS3	-7.31	23.38	-9.51	8.3	3.55	32.66
This study	FS4	-6.54	24.17	-9.47	8.6	3.55	33.40
This study	FS5	-7.46	23.22	-9.50	8.3	3.55	32.50
This study	FS6	-6.09	24.63	-9.10	8.6	3.55	33.47
This study	SP1	-7.17	23.51	-9.77	4.3	3.60	33.06
This study	SP2	-6.71	23.99	-9.70	3.7	3.61	33.46
This study	SP3	-6.57	24.14	-9.87	3.7	3.61	33.77
This study	SP4	-6.86	23.83	-9.98	3.6	3.61	33.58

This study	SP5	-6.95	23.75	-9.93	3.4	3.62	33.45
This study	SP6	-7.42	23.26	-9.97	3.7	3.61	33.02
This study	GZ1	-7.69	22.98	-10.20	8.6	3.55	32.97
This study	GZ2	-8.69	21.95	-10.44	8.6	3.55	32.21
This study	GZ3	-8.39	22.26	-10.18	8.6	3.55	32.25
This study	GZ6	-8.83	21.81	-10.44	8.6	3.55	32.07
This study	CB1	-7.66	23.01	-10.64	3.4	3.62	33.45
This study	CB2	-7.36	23.32	-11.68	3.4	3.62	34.80
This study	CB3	-7.07	23.62	-11.61	3.4	3.62	35.03
This study	CB4	-7.45	23.23	-11.80	3.4	3.62	34.84
This study	CB5	-7.39	23.29	-11.22	3.4	3.62	34.31
This study	MO1	-7.72	22.95	-9.11	10.1	3.53	31.84
This study	MO2	-8.16	22.50	-9.38	10.6	3.52	31.67
This study	MO3	-8.15	22.51	-9.48	10.0	3.53	31.78
This study	MO4	-8.24	22.42	-9.47	10.4	3.53	31.68
This study	MO5	-7.99	22.67	-9.65	9.9	3.53	32.12
This study	DL1	-7.19	23.50	-9.13	11.8	3.51	32.40
This study	DL2	-6.37	24.35	-9.06	11.6	3.51	33.16
This study	DL3	-7.27	23.42	-9.19	10.9	3.52	32.38
This study	DL4	-7.19	23.50	-8.86	12.1	3.51	32.13
Feng et al. (2012)	ISST 9/23/2000	-4.86	25.9	-4.5	20.5	3.41	30.08
Feng et al. (2012)	ISST 10/21/2000	-4.86	25.9	-4.5	20.7	3.40	30.08
Feng et al. (2012)	ISST 11/21/2000	-4.86	25.9	-4.4	20.3	3.41	29.98
Feng et al. (2012)	ISST 01/01/2001	-5.34	25.4	-4.4	20.7	3.40	29.49
Feng et al. (2012)	ISST 02/10/2001	-5.15	25.6	-4.4	21.1	3.40	29.69
Feng et al. (2012)	ISST 3/16/2001	-5.44	25.3	-4.4	20.0	3.41	29.39
Feng et al. (2012)	ISST 4/20/2001	-5.34	25.4	-4.4	20.2	3.41	29.49
Feng et al. (2012)	ISST 5/23/2001	-5.25	25.5	-4.4	21.4	3.40	29.59
Feng et al. (2012)	ISST 6/24/2001	-5.34	25.4	-4.5	21.2	3.40	29.59
Feng et al. (2012)	ISST 9/24/2001	-5.05	25.7	-4.5	21.2	3.40	29.89
Feng et al. (2012)	ISST 10/22/2001	-5.05	25.7	-4.5	20.8	3.40	29.89
Feng et al. (2012)	ISST 11/26/2001	-5.15	25.6	-4.4	21.3	3.40	29.69
Feng et al. (2012)	ISST 12/31/2001	-5.05	25.7	-4.4	20.7	3.40	29.79
Feng et al. (2012)	ISST 1/29/2002	-5.15	25.6	-4.4	19.8	3.41	29.69
Feng et al. (2012)	ISST 2/26/2002	-5.15	25.6	-4.4	19.7	3.41	29.69
Feng et al. (2012)	ISST 3/29/2002	-5.25	25.5	-4.4	20.2	3.41	29.59
Feng et al. (2012)	ISST 4/27/2002	-5.34	25.4	-4.4	20.5	3.41	29.49
Feng et al. (2012)	ISST 5/23/2002	-5.44	25.3	-4.4	21.0	3.40	29.39
Feng et al. (2012)	ISST 6/23/2002	-5.05	25.7	-4.3	21.0	3.40	29.68
Feng et al. (2012)	ISST 9/27/2002	-5.15	25.6	-4.4	21.2	3.40	29.69
Feng et al. (2012)	ISST 10/29/2002	-5.05	25.7	-4.4	20.9	3.40	29.79
Feng et al. (2012)	ISST 11/26/2002	-5.05	25.7	-4.5	20.2	3.41	29.89
Feng et al. (2012)	ISST 12/27/2002	-5.25	25.5	-4.5	19.7	3.41	29.69
Feng et al. (2012)	ISST 02/02/2003	-5.25	25.5	-4.5	19.3	3.42	29.69
Feng et al. (2012)	ISST 2/24/2003	-5.54	25.2	-4.5	18.9	3.42	29.40
Feng et al. (2012)	ISST 04/03/2003	-5.15	25.6	-4.5	19.4	3.42	29.79

Feng et al. (2012)	ISST 5/21/2003	-5.25	25.5	-4.6	20.1	3.41	29.79
Feng et al. (2012)	ISST 6/21/2003	-5.25	25.5	-4.6	20.2	3.41	29.79
Feng et al. (2012)	ISST 10/05/2003	-4.57	26.2	-4.6	19.9	3.41	30.47
Feng et al. (2012)	ISST 12/13/2003	-4.57	26.2	-4.5	19.2	3.42	30.37
Feng et al. (2012)	ISST 02/12/2004	-4.96	25.8	-4.6	18.8	3.43	30.08
Feng et al. (2012)	ISST 04/10/2004	-5.44	25.3	-4.6	19.1	3.42	29.60
Feng et al. (2012)	ISST 6/13/2004	-5.44	25.3	-4.6	19.6	3.42	29.60
Feng et al. (2012)	ISST 8/11/2004	-5.34	25.4	-4.6	19.9	3.41	29.69
Feng et al. (2012)	ISST 10/07/2004	-5.34	25.4	-4.6	19.7	3.41	29.69
Feng et al. (2012)	ISST 11/21/2004	-5.64	25.1	-4.6	19.4	3.42	29.40
Feng et al. (2012)	ISST 12/25/2004	-5.54	25.2	-4.5	19.2	3.42	29.40
Feng et al. (2012)	ISLM 11/26/2002	-5.25	25.5	-4.4	21.1	3.40	29.59
Feng et al. (2012)	ISLM 12/27/2002	-5.05	25.7	-4.5	21.2	3.40	29.89
Feng et al. (2012)	ISLM 02/02/2003	-5.25	25.5	-4.4	21.8	3.39	29.59
Feng et al. (2012)	ISLM 2/24/2003	-5.15	25.6	-4.4	20.7	3.40	29.69
Feng et al. (2012)	ISLM 3/17/2003	-5.25	25.5	-4.4	20.7	3.40	29.59
Feng et al. (2012)	ISLM 4/26/2003	-5.25	25.5	-4.3	20.7	3.40	29.49
Feng et al. (2012)	ISLM 5/21/2003	-5.44	25.3	-4.5	20.8	3.40	29.50
Feng et al. (2012)	ISLM 6/21/2003	-5.44	25.3	-4.4	20.9	3.40	29.39
Feng et al. (2012)	NBCT 7/16/2004	-5.44	25.3	-4.3	22.3	3.38	29.29
Feng et al. (2012)	NBCT 9/22/2004	-5.93	24.8	-4.2	22.3	3.38	28.71
Feng et al. (2012)	NBCT 11/25/2004	-5.44	25.3	-4.2	21.4	3.40	29.19
Feng et al. (2012)	NBCT 1/20/2005	-5.54	25.2	-4.3	20.5	3.41	29.20
Feng et al. (2012)	NBCT 03/08/2005	-5.44	25.3	-4.4	20.8	3.40	29.39
Feng et al. (2012)	NBCT 05/12/2005	-5.73	25	-4.3	22.1	3.39	29.00
Feng et al. (2012)	NBWS 4/23/2003	-5.44	25.3	-4.5	22.6	3.38	29.50
Feng et al. (2012)	NBWS 11/16/2003	-5.34	25.4	-4.4	19.6	3.42	29.49
Feng et al. (2012)	NBWS 01/12/2004	-5.25	25.5	-4.3	18.7	3.43	29.49
Feng et al. (2012)	NBWS 03/08/2004	-5.44	25.3	-4.2	20.6	3.40	29.19
Feng et al. (2012)	NBWS 05/08/2004	-5.34	25.4	-4.2	21.2	3.40	29.29
Feng et al. (2012)	NBWS 1/20/2005	-4.67	26.1	-4.3	18.6	3.43	30.07
Feng et al. (2012)	NBWS 03/08/2005	-5.83	24.9	-4.4	18.5	3.43	29.00
Tremaine et al. (2011)	Summer: Duece	-3.57	27.23	-3.75	20.5	3.41	30.62
Tremaine et al. (2011)	Summer: Smith Jones A1	-4.07	26.71	-3.75	19.5	3.42	30.12
Tremaine et al. (2011)	Summer: Lucky	-3.88	26.91	-3.75	19.2	3.42	30.31
Tremaine et al. (2011)	Summer: Smith Jones B	-4.08	26.70	-3.75	19.7	3.41	30.11
Tremaine et al. (2011)	Summer: Richard	-4.02	26.77	-3.75	21.5	3.39	30.17
Tremaine et al. (2011)	Fall: Larry		30.91	-3.75	16.0	3.46	34.20
Tremaine et al. (2011)	Fall: Duece	-3.41	27.39	-3.75	18.5	3.43	30.78
Tremaine et al. (2011)	Fall: Ballroom	-3.94	26.85	-3.75	19.5	3.42	30.25
Tremaine et al. (2011)	Fall: Lucky	-3.78	27.01	-3.75	19.2	3.42	30.41
Tremaine et al. (2011)	Fall: Richard	-4.23	26.55	-3.75	21.0	3.40	29.96
Tremaine et al. (2011)	Winter: Larry	-2.16	28.68	-3.75	12.0	3.51	32.04
Tremaine et al. (2011)	Winter: Duece	-3.41	27.39	-3.75	18.0	3.43	30.78
Tremaine et al. (2011)	Winter: Smith Jones A1	-3.98	26.81	-3.75	19.2	3.42	30.21
Tremaine et al. (2011)	Winter: Smith Jones A2	-4.06	26.72	-3.75	19.2	3.42	30.13

Tremaine et al. (2011)	Winter: Ballroom	-3.46	27.34	-3.75	18.0	3.43	30.73
Tremaine et al. (2011)	Winter: Lucky	-3.69	27.11	-3.75	19.2	3.42	30.50
Tremaine et al. (2011)	Winter: Smith Jones B	-3.91	26.88	-3.75	19.2	3.42	30.28
Tremaine et al. (2011)	Winter: Richard	-4.31	26.47	-3.75	21.0	3.40	29.88
Tremaine et al. (2011)	Spring: Larry	-2.86	27.96	-3.75	16.0	3.46	31.33
Tremaine et al. (2011)	Spring: Duece	-3.74	27.05	-3.75	18.5	3.43	30.45
Tremaine et al. (2011)	Spring: Smith Jones A1	-3.91	26.88	-3.75	20.0	3.41	30.28
Tremaine et al. (2011)	Spring: Smith Jones A2	-4.35	26.43	-3.75	20.0	3.41	29.84
Tremaine et al. (2011)	Spring: Richard	-3.83	26.96	-3.75	21.0	3.40	30.36
Tremaine et al. (2011) refs.	Desmarchelier et al. (2000)	-3.87	26.92	-4.98	16.8	3.45	31.56
Tremaine et al. (2011) refs.	Plagnes et al. (2002)	-4.26	26.52	-5.8	14.5	3.48	31.99
Tremaine et al. (2011) refs.	Plagnes et al. (2002)	-5.54	25.20	-6.6	14.5	3.48	31.51
Tremaine et al. (2011) refs.	Genty et al. (2003)	-4.65	26.12	-6.3	12.5	3.50	32.10
Tremaine et al. (2011) refs.	Zhang et al. (2004)	-6.90	23.80	-8.6	11.0	3.52	32.16
Tremaine et al. (2011) refs.	Zhang et al. (2004)	-7.60	23.08	-9.5	11.0	3.52	32.36
Tremaine et al. (2011) refs.	Johnson et al. (2006)	-6.70	24.00	-9.08	10.9	3.52	32.84
Tremaine et al. (2011) refs.	Sinha et al. (2007)	-4.43	26.34	-3.75	25.0	3.35	29.76
Tremaine et al. (2011) refs.	Affeck et al. (2008)	-5.25	25.50	-5.32	18.0	3.43	30.51
Tremaine et al. (2011) refs.	Mangini et al. (2005)	-7.80	22.87	-11.3	1.8	3.64	33.98
Tremaine et al. (2011) refs.	Boch et al. (2009)	-5.70	25.03	-8.8	3.7	3.61	33.56
Tremaine et al. (2011) refs.	Boch et al. (2009)	-6.00	24.72	-8.6	5.7	3.59	33.06
Tremaine et al. (2011) refs.	Fuller et al. (2008)	-5.10	25.65	-7.08	7.2	3.57	32.43
Tremaine et al. (2011) refs.	Fuller et al. (2008)	-4.80	25.96	-7.08	9.5	3.54	32.74
Daéron et al. (2011)	Fau-Stm6	-4.50	26.27	-6.2	12.9	3.50	32.15
Daéron et al. (2011)	Vil-#10B	-5.36	25.38	-6.2	12.4	3.50	31.28
Daéron et al. (2011)	Vil-#1A	-4.76	26.00	-6.4	11.3	3.52	32.09
Daéron et al. (2011)	K-Top3-CI	-5.50	25.24	-8.8	3.7	3.61	33.77
Daéron et al. (2011)	BAR-A	-2.33	28.51	-5.98	9.2	3.54	34.11
Daéron et al. (2011)	MOR-A	-0.18	30.72	-6.12	9.1	3.54	36.40
Daéron et al. (2011)	CAS-B	0.82	31.76	-5.6	7.3	3.57	36.88
Daéron et al. (2011)	VilGal-#1B	-5.05	25.70	-6.41	11.5	3.51	31.81
Daéron et al. (2011)	VilPlq-8	-4.91	25.85	-6.26	11.4	3.51	31.80
Daéron et al. (2011)	K-RZ6-072007	-6.03	24.69	-8.6	5.7	3.59	33.03
Daéron et al. (2011)	COR-1	-4.40	26.37	-7.39	7.9	3.56	33.45
McDermott et al. (2011) refs.	CR1	-6.7	24.00	-6	19.4	3.42	29.74
McDermott et al. (2011) refs.	CC3	-3.8	26.99	-5.6	10.4	3.53	32.25
McDermott et al. (2011) refs.	Bilbo	-3.54	27.26	-5.6	10.4	3.53	32.51
McDermott et al. (2011) refs.	CL26	-4.95	25.81	-6.2	14.5	3.48	31.70
McDermott et al. (2011) refs.	CL27	-5.5	25.24	-6.2	14.5	3.48	31.15
McDermott et al. (2011) refs.	Gar-01	-3.99	26.80	-6.1	12.1	3.51	32.56
McDermott et al. (2011) refs.	Gar-02	-4.48	26.29	-5.4	13.0	3.49	31.37
McDermott et al. (2011) refs.	Prosperine	-5.5	25.24	-7.5	9.0	3.54	32.45
McDermott et al. (2011) refs.	Han-stm5b	-5.55	25.19	-7.5	8.9	3.55	32.40
McDermott et al. (2011) refs.	B7-5	-5.7	25.03	-8.37	9.4	3.54	33.13

McDermott et al. (2011) refs.	NQ382	-5.3	25.45	-5	19.0	3.42	30.14
McDermott et al. (2011) refs.	SG95	-7.33	23.35	-10	2.8	3.62	33.14
McDermott et al. (2011) refs.	SU	-5.2	25.55	-7.1	7.2	3.57	32.35
McDermott et al. (2011) refs.	Gib04a	-5	25.76	-5	18.3	3.43	30.44
McDermott et al. (2011) refs.	Sample 2-6	-5.17	25.58	-5	20.3	3.41	30.27
McDermott et al. (2011) refs.	SV1	-6.1	24.62	-7.28	12.3	3.50	31.63
McDermott et al. (2011) refs.	PU2	-7.8	22.87	-10.3	9.8	3.53	32.96
McDermott et al. (2011) refs.	Pos-stm4	-6.7	24.00	-9.2	8.0	3.56	32.96
McDermott et al. (2011) refs.	ER76	-7.8	22.87	-9.6	6.7	3.57	32.26
McDermott et al. (2011) refs.	ER77	-7.4	23.28	-9.6	6.7	3.57	32.66
McDermott et al. (2011) refs.	Stal-Hoel-1	-7.97	22.69	-11.8	3.5	3.61	34.31
McDermott et al. (2011) refs.	SPA12	-7.49	23.19	-11.3	1.9	3.64	34.29
McDermott et al. (2011) refs.	COMISPA	-7.9	22.77	-11.3	1.9	3.64	33.87
Suric et al. (2010)	MOD3	-5.66	25.03	-5.69	15.6	3.46	30.42
Suric et al. (2010)	MOD8	-5.48	25.21	-5.69	15.6	3.46	30.60
Suric et al. (2010)	MOD9	-5.26	25.44	-5.69	15.6	3.46	30.83
Demény et al. (2010)	Baradla Cave BAR R8a	-6.61	24.1	-8.5	10.5	3.53	32.35
Demény et al. (2010)	Baradla Cave BAR R8b	-6.80	23.9	-8.5	10.5	3.53	32.16
Demény et al. (2010)	Baradla Cave BAR R9.	-7.09	23.6	-8.6	9.5	3.54	31.96
Demény et al. (2010)	Baradla Cave BAR R10	-7.58	23.1	-9	9.5	3.54	31.88
Demény et al. (2010)	Egerszalok Well: Feb 2004 - 1	-18.83	11.5	-11.2	65.2	2.96	22.70
Demény et al. (2010)	Egerszalok Well: Aug 2004 - 1	-19.02	11.3	-11.1	65.2	2.96	22.40
Demény et al. (2010)	Egerszalok Well: Feb 2004 - 2	-18.63	11.7	-11	64.8	2.96	22.69
Demény et al. (2010)	Egerszalok Well: Aug 2004 - 2	-19.60	10.7	-11.1	64.8	2.96	21.81
Demény et al. (2010)	Egerszalok Well: Oct 2006 - 3	-18.83	11.5	-10.9	67.0	2.94	22.39
Demény et al. (2010)	Rudas bath	-14.75	15.7	-11.5	36.0	3.23	27.14
Demény et al. (2010)	Madre del Agua	-10.78	19.8	-8.1	33.8	3.26	27.74
Demény et al. (2010)	Los Angeles	-9.71	20.9	-8.1	28.5	3.32	28.82
Demény et al. (2010)	Csodabogyos Cave Bosszanto	-8.74	21.9	-10.1	9.8	3.53	31.81
Demény et al. (2010)	Csodabogyos Cave pool L-akna	-9.13	21.5	-10.3	9.8	3.53	31.63
Demény et al. (2010)	Csodabogyos Cave pool Lian-t	-9.13	21.5	-10.1	9.8	3.53	31.42
Genty (2008)	Vil#1A	-4.87	25.89	-6.4	11.3	3.52	31.98
Genty (2008)	Vil#1B	-4.68	26.09	-6.42	11.3	3.52	32.19
Genty (2008)	Vil#1B-stalagmite	-4.67	26.10	-6.36	11.6	3.51	32.14
Genty (2008)	VILgal1B-0	-4.74	26.02	-6.42	11.5	3.51	32.13
Genty (2008)	VILgal1B-7	-5.1	25.65	-6.42	11.5	3.51	31.77
Genty (2008)	VILgal1B-14	-4.92	25.84	-6.42	11.5	3.51	31.95
Genty (2008)	VILgal1B-20	-4.95	25.81	-6.42	11.5	3.51	31.92
Genty (2008)	VILgal1B-24	-5.06	25.69	-6.42	11.5	3.51	31.81
Genty (2008)	VILgal1B-30	-4.99	25.77	-6.42	11.5	3.51	31.88
Genty (2008)	VILgal1B-38	-5.02	25.73	-6.42	11.5	3.51	31.85
Genty (2008)	VILgal1B-43.5	-4.85	25.91	-6.42	11.5	3.51	32.02
Genty (2008)	Vil#8	-4.65	26.12	-6.26	11.4	3.51	32.06
Genty (2008)	Vilplq8	-4.08	26.70	-6.26	11.4	3.51	32.63

Genty (2008)	Vil#10A	-4.47	26.30	-6.23	12.4	3.50	32.21
Coplen (2007)	Devils Hole cave #2	-15.86	14.56	-13.54	33.7	3.26	28.09
McDermott et al. (2006)	PN	-5.5	25.19	-7.2	9.1	3.54	32.10
McDermott et al. (2006)	SO	-7.3	23.33	-10	2.8	3.62	33.12
McDermott et al. (2006)	ER	-7	23.64	-9	6.6	3.57	32.41
McDermott et al. (2006)	FR	-4	26.74	-5.7	8.3	3.55	32.10
McDermott et al. (2006)	B7	-6.3	24.37	-8.4	9.4	3.54	32.51
McDermott et al. (2006)	LT	-3.8	26.94	-5.68	9.5	3.54	32.28
McDermott et al. (2006)	CC	-3.5	27.25	-5.3	10.4	3.53	32.20
McDermott et al. (2006)	FR	-5.1	25.60	-5.94	13.5	3.49	31.24
McDermott et al. (2006)	CL	-4.9	25.81	-6.2	14.5	3.48	31.70
McDermott et al. (2006)	PQ	-5.2	25.50	-5.5	16.0	3.46	30.70
McDermott et al. (2006)	VF	-4.8	25.91	-4.98	16.8	3.45	30.57
McDermott et al. (2006)	CG	-5.4	25.29	-5.44	17.5	3.44	30.43
McDermott et al. (2006)	CA	-4.8	25.91	-4	18.8	3.43	29.59
McDermott et al. (2006)	SQ	-5.4	25.29	-5	19.0	3.42	29.99
McDermott et al. (2006)	HO	-1.9	28.90	-1	23.0	3.38	29.49
McDermott et al. (2006)	HA	-5.3	25.40	-3.3	26.6	3.34	28.38
McDermott et al. (2006)	HA	-4	26.74	-3.3	26.6	3.34	29.69
McDermott et al. (2006)	HA	-4	26.74	-3.3	26.6	3.34	29.69
McDermott et al. (2006)	HA	-4.6	26.12	-3.3	26.6	3.34	29.09
Mickler et al (2006)	BC-98-1	-3.8	26.99	-2.7	26.1	3.34	29.34
Mickler et al (2006)	BC-98-2	-3.3	27.51	-2.7	26.1	3.34	29.84
Mickler et al (2006)	BC-98-3	-3.9	26.89	-2.8	26.1	3.34	29.34
Cruz et al. (2005)	Santana cave Soda Straw	-6.26	24.46	-5.34	19.0	3.42	29.52
Cruz et al. (2005)	Santana cave Soda Straw	-6.21	24.51	-5.34	19.0	3.42	29.57
Cruz et al. (2005)	Santana cave Soda Straw	-5.30	25.45	-5.34	19.0	3.42	30.48
Cruz et al. (2005)	Santana cave Crusts	-6.17	24.55	-5.34	19.0	3.42	29.61
Cruz et al. (2005)	Santana cave Crusts	-6.07	24.65	-5.34	19.0	3.42	29.71
Cruz et al. (2005)	Santana cave Crusts	-5.99	24.73	-5.34	19.0	3.42	29.79
Cruz et al. (2005)	Santana cave Crusts	-5.98	24.75	-5.34	19.0	3.42	29.80
Cruz et al. (2005)	Santana cave Crusts	-5.91	24.82	-5.34	19.0	3.42	29.87
Cruz et al. (2005)	Santana cave Crusts	-5.79	24.94	-5.34	19.0	3.42	29.99
Cruz et al. (2005)	Botuvera cave Soda Straw	-4.33	26.45	-4.28	18.7	3.43	30.39
Cruz et al. (2005)	Botuvera cave Soda Straw	-4.31	26.47	-4.28	18.7	3.43	30.41
Cruz et al. (2005)	Botuvera cave Soda Straw	-4.28	26.50	-4.28	18.7	3.43	30.44
Cruz et al. (2005)	Boutuvera cave Crusts	-4.20	26.58	-4.28	18.7	3.43	30.52
Cruz et al. (2005)	Boutuvera cave Crusts	-4.16	26.62	-4.28	18.7	3.43	30.56
Cruz et al. (2005)	Santana cave crystals ex pools	-5.71	25.02	-5.34	19.0	3.42	30.07
Cruz et al. (2005)	Botuvera crystals ex pools	-4.86	25.90	-4.28	18.7	3.43	29.86
Cruz et al. (2005)	Santana cave Underwater spar	-5.83	24.90	-5.34	19.0	3.42	29.95
Cruz et al. (2005)	Santana cave Underwater spar	-5.74	24.99	-5.34	19.0	3.42	30.04
Cruz et al. (2005)	Santana cave Underwater spar	-5.47	25.27	-5.34	19.0	3.42	30.31

Cruz et al. (2005)	Santana cave Underwater spar	-5.33	25.42	-5.34	19.0	3.42	30.45
Cruz et al. (2005)	Santana cave Underwater spar	-5.49	25.25	-5.34	19.0	3.42	30.29
Cruz et al. (2005)	Santana cave Underwater spar	-5.44	25.30	-5.34	19.0	3.42	30.34
Cruz et al. (2005)	Botuvera cave Underwater spar	-4.96	25.80	-4.28	18.7	3.43	29.76
Cruz et al. (2005)	Botuvera cave Underwater spar	-4.72	26.04	-4.28	18.7	3.43	30.00
Mickler et al (2004)	Mickler et al 2004	-4.20	26.58	-3.3	26.6	3.34	29.54
Mickler et al (2004)	Mickler et al 2004	-3.80	26.99	-3.3	26.6	3.34	29.94
Mickler et al (2004)	Mickler et al 2004	-4.00	26.79	-3.3	26.6	3.34	29.74
Mickler et al (2004)	Mickler et al 2004	-4.40	26.37	-3.3	26.6	3.34	29.34
Mickler et al (2004)	Mickler et al 2004	-4.60	26.17	-3.3	26.6	3.34	29.14
Mickler et al (2004)	Mickler et al 2004	-5.30	25.45	-3.3	26.6	3.34	28.43

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