Kennedy et al., Neoproterozoic glaciations

Carbonate Sr isotope and trace element analyses

Sample	d18O	87Sr/86Sr measured	± error analytical	87Sr/86Sr initial	shift anal. – init.	± error age correct.	height m	Mn/Sr ppm/ppm	Fe ppm	Mn ppm	Sr ppm	Mg/Ca mol ratio	Rb ppm	87Rb/86Sr	estimated age Ma
"Fransfontein", 1 km east of Fransfontein (15°E, 20.2°S)															
Maieberg Formation															
F 232	-2.8	0.710587	0.000060	0.710549	0.000038	0.000006	599.6	1.84	39	153	83	0.80	0.2	0.0055	480.16
F 220	-7.5	0.709834	0.000021	0.709693	0.000141	0.000023	548.0	0.89	348	63	71	0.83	0.5	0.0198	500.80
F 216	-5.6	0.707818	0.000010	0.707739	0.000079	0.000013	536.0	0.06	70	18	308	0.58	1.2	0.0110	505.60
F 213	-5.3	0.707668	0.000130	0.707653	0.000015	0.000002	527.0	0.01	84	13	1543	0.02	1.1	0.0020	509.20
F 203	-6.1	0.707663	0.000011	0.707655	0.000008	0.000001	497.0	0.01	126	30	3109	0.05	1.2	0.0011	521.20
F 200	-0.2	0.708600	0.000011	0.708189	0.000411	0.000066	488.0	1.34	779	76	56	0.90	1.1	0.0549	524.80
F 196	-2.3	0.708825	0.000013	0.708711	0.000114	0.000018	476.0	0.53	283	29	56	0.84	0.3	0.0151	529.60
F 194	-2.6	0.710980	0.000032	0.710861	0.000119	0.000019	470.0	1.26	926	68	54	0.87	0.3	0.0156	532.00
F 183	0.0	0.709164	0.000001	0.709142	0.000022	0.000004	437.0	0.81	1036	97	119	0.90	0.1	0.0028	545.20
F 169	-1.7	0.709871	0.000570	0.709821	0.000050	0.000008	395.0	0.90	2339	663	737	0.26	1.3	0.0048	720.00
F 135	-5.5	0.708583	0.000010	0.708108	0.000475	0.000076	290.0	0.79	615	56	71	0.94	1.4	0.0551	540.00
F 133	-3.0	0.708031	0.000004	0.707921	0.000110	0.000018	284.0	0.81	692	78	107	0.92	0.5	0.0143	604.00
F 130	0.3	0.708070	0.000017	0.707940	0.000130	0.000021	275.0	0.33	703	68	207	0.08	1.1	0.0150	610.00
Keilberg Member (upper cap carbonate)															
F 102	-6.5	0.711713	0.000009	0.711108	0.000605	0.000097	223.9	1.77	4294	138	78	0.88	1.9	0.0673	630.44
F 93B	-4.4	0.708440	0.000010	0.708118	0.000322	0.000052	220.9	4.01	431	221	55	0.93	0.7	0.0357	631.64
laminated micrite/dolomicrite within Ghaub Formation															
F 83	-4.8	0.708060	0.000040	0.707825	0.000235	0.000038	211.5	2.16	4912	752	348	0.50	3.2	0.0260	635.40
F 81B	-5.9	0.708075	0.000011	0.707885	0.000190	0.000031	209.5	0.53	2592	272	516	0.35	3.8	0.0210	636.20
F 78B	-5.8	0.707288	0.000470	0.707210	0.000078	0.000013	208.0	0.08	482	64	768	0.04	2.3	0.0086	636.80
F 76	-5.1	0.707274	0.000042	0.707232	0.000042	0.000007	205.5	0.09	733	59	646	0.05	1.1	0.0046	637.80
F 73B	-6.3	0.707566	0.000011	0.707508	0.000058	0.000009	158.0	0.11	1681	100	951	0.02	2.1	0.0062	656.80
F 70	-6.2	0.707286	0.000013	0.707261	0.000025	0.000000	91.0	0.11	1129	75	668	0.10	0.6	0.0024	686.20
F 67	-6.2	0.707418	0.000010	0.707394	0.000024	0.000004	84.5	0.31	290	131	423	0.43	0.4	0.0024	686.20
F 66	-8.4	0.707286	0.000013	0.707266	0.000020	0.000003	79.8	0.19	426	157	838	0.07	0.6	0.0020	688.08
F 61B	-7.9	0.708948	0.000010	0.708813	0.000135	0.000022	73.8	1.44	4146	501	349	0.16	1.7	0.0137	690.50
"Duurwater", Farm Duurwater 66 (15.2°E, 20.2°S)															
sub-Ghaub succession															
UD 20	-4.2	0.708090	0.000011	0.707890	0.000200	0.000032	307.3	1.52	101	91	60	0.99	0.5	0.0235	597.08
UD 19	-3.5	0.708783	0.000001	0.708569	0.000214	0.000034	305.3	1.73	223	78	45	1.00	0.4	0.0251	597.88
UD 14	-3.4	0.708512	0.000010	0.708370	0.000142	0.000003	295.3	1.51	487	77	51	1.02	0.3	0.0000	601.88
UD 6	-4.1	0.709829	0.000010	0.709769	0.000060	0.000010	279.3	2.70	6939	217	80	0.75	0.2	0.0069	608.28
UD 4	-4.6	0.710536	0.000001	0.710248	0.000288	0.000046	275.3	0.82	3398	54	65	0.96	0.8	0.0331	609.88
MU 31	-8.1	0.713585	0.000011	0.713162	0.000423	0.000068	178.0	1.18	1789	58	49	0.73	0.8	0.0457	648.80
MU 29	-6.7	0.708175	0.000010	0.708161	0.000014	0.000002	174.0	0.28	305	149	537	0.39	0.3	0.0015	650.40
MU 15	-7.4	0.708512	0.000010	0.708374	0.000138	0.000022	146.0	0.28	1127	92	327	0.03	1.7	0.0146	661.60

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Kennedy et al., Neoproterozoic glaciations, carbon and oxygen isotope data

Sample number	d13C	d18O	height (m)	Mn/Sr	Fe ppm	Mn ppm	Sr ppm	M Mg/M Ca
CONGO CRATON								
Damara Belt, Fransfontein Ridge								
"Fransfontein", 1 km east of Fransfontein (15°E, 20.2°S)								
Keilberg Member (upper cap carbonate)								
F 91	-0.3	-4.4	220.7					
F 92A matrix	-1.9	-5.1	220.9	2.2	2775	217	99	0.88
F 92B cement	-1.4	-3.8	220.9	4.4	698	247	56	0.87
F 92C int seds	-2.0	-6.4	220.9	3.3	8850	622	191	0.49
F 93A cement	-1.6	-4.4	220.9	4.0	1919	290	73	1.00
F 93B inner cement	-1.8	-4.4	220.9	4.0	431	221	55	0.93
F 93D	-2.3	-5.7	220.9	3.9	3331	342	87	0.96
F 95	-1.0	-5.6	222.2	16.0	2259	585	37	1.00
F 97	-1.4	-4.4	222.7					
F 98	-2.5	-5.8	222.8	4.3	2743	260	60	0.78
F 99	-2.5	-6.0	223.0	4.0	2932	246	62	0.97
F 100	-2.6	-6.0	223.2	4.9	4335	338	68	0.88
F 101	-2.3	-6.0	223.5					
F 102	-3.1	-6.5	223.9	1.8	4294	138	78	0.88
F 103	-2.5	-6.4	224.1	2.8	4657	219	77	0.85
F 107	-2.9	-7.0	225.0	4.7	2943	377	80	1.07
F 109	-2.4	-5.6	225.5					
F 111	-2.9	-6.2	226.4	5.0	2896	475	95	1.01
F 113	-1.7	-4.6	227.5	4.1	1051	598	146	0.98
Maieberg Formation (limestone and dolostone rhythmites)								
F 114	-4.9	-10.9	253.7	7.6	3905	2015	264	0.03
F 115	-5.0	-10.9	254.5					
F 116	-4.9	-10.9	255.0	7.5	3787	1914	256	0.02
F 117	-4.8	-10.7	255.8	9.8	4347	1983	203	0.04
F 118A	-4.7	-9.9	256.0					
F 119	-4.6	-9.2	257.4					
F 120	-4.5	-9.3	258.0					
F 122	-4.4	-9.7	259.7					
F 124	1.2	-0.2	261.5					
F 125	-2.0	-4.5	262.5					
F 126	2.8	-0.2	263.2					
F 127B	-0.1	-4.8	265.0					
F 128	0.2	-1.1	269.0					
F 130	2.0	0.3	275.0	0.4	703	68	207	0.08
F 131	1.8	-0.6	278.0					
F 132	0.9	-2.8	281.0					
F 133	0.9	-3.0	284.0	0.8	692	78	107	0.92
F 134	1.1	-2.1	287.0					
F 135	0.7	-5.5	290.0	0.8	615	56	71	0.94
F 136	0.9	-2.0	293.0					
F 138	-0.9	-4.4	299.0					
F 140B	1.1	-8.5	305.0					
F 141	1.1	-1.8	308.0					
F 142	-0.6	-3.8	311.0					
F 143	1.3	-2.5	314.0					
F 145	1.7	-0.7	323.0					
F 146	1.0	-2.8	326.0					
F 149	1.1	-3.0	335.0					
F 150	1.9	3.8	338.0					
F 154	1.6	-1.3	350.0					
F 155	0.5	-4.2	353.0					
F 156	0.8	-5.4	356.0					
F 157	1.5	-4.7	359.0					
F 158	1.1	-2.4	362.0					

F 161	1.3	0.7	371.0					
F 162	1.6	-4.0	374.0					
F 164	0.5	-4.8	380.0					
F 165 A	2.4	0.4	383.0					
F 167	2.5	-1.5	389.0	2.6	2878	221	85	0.82
F 168	1.2	-0.8	392.0					
F 169	2.0	-1.8	396.0	0.9	2339	663	737	0.26
F 170	2.6	-2.7	398.0					
F 171B	2.8	-0.4	401.0					
F 173B	0.9	1.2	407.0					
F 175	1.3	-0.7	413.0					
F 176	-0.8	-7.2	416.0					
F 177	-0.5	-7.9	419.0					
F 178	-0.2	-5.4	422.0					
F 181	0.1	-6.1	431.0					
F 183	1.4	0.0	437.0	0.8	1036	97	119	0.90
F 184	0.2	-4.4	440.0					
F 185	1.2	-1.8	443.0					
F 186	0.9	-1.3	446.0					
F 187	0.0	-8.2	449.0					
F 188	2.4	-0.4	452.0	5.2	1050	215	42	0.91
F 190	1.3	-4.6	458.0	0.8	2084	125	165	0.89
F 191	0.8	-6.3	461.0					
F 192	0.8	-3.5	465.0	1.3	529	85	65	0.85
F 193	1.6	-3.3	467.0	2.6	4494	183	71	0.83
F 194	1.5	-2.6	470.0	1.3	926	68	54	0.87
F 196	3.0	-2.3	476.0	0.5	283	29	56	0.84
F 197	3.1	-1.9	479.0	0.7	901	93	132	0.91
F 198	5.1	0.9	482.0					
F 199	3.6	0.4	485.0	2.4	1168	120	51	0.90
F 200	4.0	-0.2	488.0	1.3	779	76	56	0.90
F 201	3.3	-7.3	491.0	10.7	170	379	36	0.64
F 202	4.5	-6.6	494.0	0.4	689	68	177	0.85
F 203	-0.2	-6.1	497.0	0.0	126	30	3109	0.05
F 204	3.6	-2.0	500.0	1.1	300	155	146	0.91
F 205	4.8	-2.7	503.0	1.7	487	110	65	0.80
F 206	4.4	-0.7	506.0					
F 207	2.7	-2.4	509.0					
F 207A	2.6	-3.3	509.0	1.1	356	68	62	0.80
F 208	4.3	-5.0	512.0	2.4	254	141	59	0.90
F 210	3.8	-4.3	518.0	1.8	333	268	151	0.79
F 211			520.0	0.6	496	91	160	0.85
F 212	0.7	-6.3	524.0	1.0	540	169	169	0.54
F 213	0.0	-5.3	527.0	0.0	84	13	1543	0.02
F 214	1.6	-5.3	530.0					
F 215	3.1	-7.6	533.0	0.2	215	16	90	0.73
F 216	3.0	-5.6	536.0	0.1	70	18	308	0.58
F 218	2.1	-3.2	542.0					
F 219	-0.4	-8.0	545.0					
F 220	1.1	-7.5	548.0	0.9	348	63	71	0.83
F 221	0.8	-3.5	551.0					
F 222	1.7	-6.4	554.0					
F 224	2.0	-6.2	560.0					
F 225	1.7	-6.0	563.0					
F 226	1.8	-5.0	566.0	3.3	1410	269	82	0.81
F 228	1.8	-5.6	577.5	1.5	635	96	63	0.84
F 230	1.2	-7.3	582.0					
F 232	1.5	-7.0	599.6	1.8	39	153	83	0.80
F 233	2.5	-3.6	624.6					
F 234	3.7	0.6	627.6					
F 235	1.1	0.5	630.6					
F 236	3.4	2.5	633.6					
F 238	-0.1	-5.1	639.6					

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"Durrwater", Farm Duurwater 66 (15.2°E, 20.2°S)

Rasthof Formation (lower cap carbonate)								
LC1	0.6	-0.5	0.1	7.1	2655	849	119	0.88
LC 2	-1.0	-3.5	0.3					
LC 3	2.8	0.3	0.5	6.2	1028	611	98	0.88
LC 4	2.4	0.7	0.7	4.3	856	420	98	0.97
LC 5	2.7	0.6	1.0	4.1	959	576	142	0.96
LC 6	1.5	-3.9	1.5	2.1	532	151	72	0.92
LC 7	-3.5	-3.8	2.0					
LC 8	2.4	-4.7	6.0	3.4	313	249	74	0.99
LC 9	1.5	-5.2	8.0					
LC 10	4.3	1.2	10.0					
LC 11	4.8	2.1	12.0					
LC12	5.2	0.9	14.0					
LC 14	3.2	-0.6	18.0					
LC 15	3.1	-1.8	20.0	1.5	677	215	144	1.03
LC 16	4.0	-1.3	22.0					
LC 17	4.3	-1.1	24.0	1.7	882	271	156	1.04
LC 18	5.1	-0.4	26.0	1.7	1361	117	68	1.01
LC 19	5.3	-0.9	28.0					
LC 20	5.5	-1.2	30.0	4.6	1239	424	93	0.98
LC 21	6.1	-0.9	32.0					
lower dolostone facies								
LD 1	6.2	-0.9	34.0					
LD 2	5.7	-0.2	36.0					
LD 3	4.0	-1.9	38.0					
LD 5	4.6	-1.4	42.0					
LD 6	4.5	-2.0	44.0					
LD 9A	4.0	-1.5	50.0					
LD 10	4.7	-1.7	52.0	2.0	2419	335	168	1.13
LD 11	4.3	-1.4	54.0					
LD 12	4.2	-2.2	56.0					
LD 14	4.4	-0.1	60.0					
LD 15	3.0	-3.1	62.0	4.5	1873	210	47	0.98
LD 16	4.0	-1.3	64.0					
LD 17	4.6	-0.8	66.0					
LD 18	4.5	-1.4	68.0	1.7	1361	117	68	0.97
LD 21	4.6	-0.9	74.0					
LD 22	3.5	-2.7	76.0					
LD 23	4.1	-1.3	78.0					
LD 24	5.2	-0.6	80.0					
LD 25	4.1	-0.8	82.0					
LD 26	5.6	-0.8	84.0					
LD 27	4.0	-1.3	86.0					
LD 28	4.1	-1.8	88.0					
LD 29	5.9	0.1	90.0					
LD 30	6.4	-0.8	92.0					
LD 31	4.8	-0.3	94.0					
LD 32	5.0	-1.3	96.0					
LD 34	6.7	0.9	100.0					
LD 36	4.9	-1.1	104.0					
LD 37A	4.2	-2.1	106.0					
LD 38	5.0	-1.6	108.0	1.5	1640	83	56	0.85
LD 39	4.9	-0.1	110.0					
LD 40	5.4	0.1	112.0					
LD 41	5.7	-1.0	114.0					
LD 42	5.1	-1.8	116.0					
mixed limestone and dolostone facies								
MU 1	3.6	-3.3	118.0	0.3	1127	92	327	0.04
MU 2	4.3	-3.6	120.0					
MU 4	3.8	-3.2	124.0					
MU 5	5.4	-1.2	126.0					

MU 6	3.5	-3.1	128.0	2.4	4444	221	90	0.79
MU 8	3.9	-7.5	132.0	0.8	1969	512	608	0.14
MU 9	5.0	-5.0	134.0	3.0	2419	164	55	0.97
MU 10	3.6	-5.0	136.0	1.6	3015	130	83	0.76
MU 12	4.3	-6.3	140.0	2.0	6699	302	152	0.45
MU 14	3.0	-7.6	144.0		920			0.06
MU 15	5.3	-7.4	146.0	0.3	1127	92	327	0.03
MU 29	5.5	-6.7	174.0	0.3	305	149	537	0.39
MU 30	4.5	-5.0	176.0	4.3	6626	344	80	0.99
MU 31	4.0	-8.1	178.0	1.2	1789	58	49	0.73
MU 34	4.0	-6.5	184.0					
MU 36	1.3	-4.0	188.0	4.6	1859	237	52	0.99
MU 37	2.4	-1.9	190.0					
MU 38	2.5	-1.4	192.0					
MU 39	2.3	-2.9	194.0	3.3	1332	195	59	0.87
MU 40	1.9	-3.7	196.0					
MU 41	0.6	-2.5	198.0					
Ghaub Formation								
Keilberg Member (upper cap carbonate)								
UC 0	-1.8	-4.9	230.1	12.9	3094	1126	87	0.95
UC 1	-1.1	-4.8	231.0	3.6	2617	225	62	0.97
UC 2	-1.9	-5.0	231.5		2102			0.99
UC 3	-2.0	-5.2	232.8	2.5	1615	150	60	0.98
UC 4	-2.1	-5.2	234.6	2.0	1804	134	67	1.05
UC 5	-2.1	-5.4	233.3	3.0	1312	166	55	1.00
UC 8	-3.4	-5.8	239.3	1.5	2163	130	86	0.82
UC 9	-3.1	-2.7	240.3					
Maieberg Formation (limestone and dolostone rhythmites)								
P 1B	-3.3	-2.2	243.3					
P 2B	-3.7	-3.3	247.3					
P 4	-4.3	-3.2	251.3					
P 7	-3.5	-4.1	257.3	11.8	9069	544	46	0.96
P 8	-3.4	-4.3	259.3					
P 11	-1.5	-3.9	265.3	5.1	3297	245	48	0.92
P 13	-0.9	-4.9	269.3					
UD 2	-0.6	-2.9	271.3					
UD 4	-1.0	-4.6	275.3	0.8	3398	54	65	0.96
UD 6	0.0	-4.1	279.3	27.0	6939	2166	80	0.75
UD 8			283.3					
UD 10	-0.6	-3.9	287.3					
UD 12	0.5	-0.3	291.3					
UD 14	0.0	-3.4	295.3	1.5	487	77	51	1.02
UD 17	0.6	-1.3	301.3					
UD 19	0.3	-3.5	305.3	1.4	666	108	74	1.00
UD 20	-0.9	-4.2	307.3	1.5	101	91	60	0.99
Kaoko Belt								
"Entrance", Hoanib River (14°E, 19.2°S)								
Rasthoff Formation								
7/14/95/7A	-2.0	-5.3	0.5					
7/14/95/8A	-2.4	-5.5	4.0					
7/14/95/9A	-2.0	-5.0	6.0					
7/14/95/10A	-1.7	-7.8	5.5					
7/14/95/13	-3.2	-7.2	10.0					
7/14/95/14	-0.7	-2.8	12.0					
7/14/95/16	3.0	-2.4	18.0					
7/14/95/17	3.2	-1.9	21.0					
7/13/96/2	5.8	-2.2	216.0					
7/13/96/5	5.4	-2.8	246.0					
7/13/96/6	4.5	-3.0	256.0					
7/13/96/7	4.1	-2.4	266.0					

Gruis Formation

7/13/96/9	1.1	-3.8	309.0
7/13/96/11	1.6	-2.7	329.0
7/13/96/12	4.1	-1.7	339.0
7/13/96/13	6.0	0.4	349.0
7/13/96/14	7.2	0.0	359.0
7/13/96/15	6.8	-3.6	360.1

Ombaatjie Formation

7/13/96/16.1	7.2	-5.2	362.7
7/13/96/17	7.3	-5.2	364.0
7/13/96/18	2.0	-4.3	365.4
7/13/96/19	7.2	-4.6	366.0
7/13/96/20	7.3	-4.7	367.5
7/13/96/21	7.4	-5.1	369.5
7/13/96/22.1	8.3	-6.3	380.2
7/13/96/23	6.5	-7.2	386.7
7/13/96/24	8.5	-2.8	396.5
7/13/96/25	3.9	-2.3	405.0
7/13/96/26	3.1	-6.6	407.5
7/13/96/27	4.7	-5.6	409.5
7/13/96/28	4.9	-7.6	411.5
7/13/96/29	3.8	-3.2	422.5
7/13/96/30	7.6	-3.4	426.5
7/13/96/31	8.9	-3.2	436.5
7/13/96/32A	7.4	-4.8	446.5
7/13/96/33	8.1	-6.0	448.0
7/13/96/34	8.2	-4.8	454.0
7/13/96/36	7.7	-4.3	455.0
7/13/96/37B	7.5	-4.9	455.5
7/13/96/38.1	7.3	-4.6	456.0
7/13/96/39	7.2	-4.4	456.3
7/13/96/40	7.0	-4.7	456.5
7/13/96/41	7.4	-4.2	456.8
7/13/96/42	7.6	-4.2	457.0
7/13/96/44	2.8	-6.8	465.5
7/13/96/45	6.3	-8.3	475.5
7/13/96/47	6.9	-6.2	495.5
7/13/96/48	5.7	-14.4	501.5
7/13/96/49.2	7.0	-3.0	507.5
7/13/96/52	5.4	-5.7	533.5
7/13/96/53	4.8	-12.8	538.5
7/13/96/54	6.3	-1.9	544.5
7/13/96/55	4.9	-2.2	553.5
7/13/96/56.1	3.0	-4.1	558.5

~10 km north of "Entrance" (13.9°E, 19.1°S)
Keilberg Member (tubestone facies)

57	-2.4	-5.1	561.2
58	-2.5	-5.2	562.2
61	-2.9	-5.8	564.3
62	-3.0	-5.8	565.8
63	-2.9	-6.0	567.4

Maieberg Formation (upper cap carbonate and rhythmites)

64	-2.8	-5.7	567.8
65	-3.3	-5.8	568.2
67	-4.1	-7.4	570.7
69	-4.2	-7.3	574.7
70	-4.2	-7.1	575.7
73	-4.6	-8.0	581.7
75.1	-5.7	-8.6	601.7

Damara Belt/Otavi Mountainland, Tsumeb district
Farm Auros 595 (17.6°E, 19.6°S)

Keilberg Member (tubestone facies)								
A 1	-1.2	-5.3	0.5	0.9	782	62	73	0.89
A 3	-1.1	-4.9	3.0	2.0	844	194	97	0.88
A 6	-1.9	-4.7	7.5	2.5	465	190	76	0.90
A 9	-2.0	-3.7	12.0	2.3	374	176	76	0.91
Maieberg Formation (upper cap carbonate)								
A 12	-2.1	-4.0	16.5	1.8	234	128	71	0.90
A 15	-1.4	-4.0	21.0	3.2	595	274	86	0.91
A 18	-2.3	-4.8	25.5	1.0	695	89	90	0.88
A 20	-3.1	-5.1	28.5	1.5	771	167	111	0.87
A 21	-4.1	-6.5	30.0	0.4	1093	79	223	0.84
A 22	-4.7	-7.2	31.5	1.2	5353	169	144	0.78
A 23	-5.2	-9.3	33.0	0.4	2143	94	271	0.04

KALAHARI CRATON
South of Gobabis (19°E, 22.6°S)

Gobabis Formation (lower cap carbonate)								
7/7/96 1	-2.8	-1.9	0.3	43.0	979	4105	95	0.93
7/7/96 2	-2.7	-1.2	0.5	49.3	880	4752	96	0.93
7/7/96 3	-3.1	-1.8	0.8	67.2	1006	5434	81	0.93
7/7/96 4	-1.8	-1.2	9.5	13.9	1106	1517	109	0.95
7/7/96 5	1.8	-1.1	20.0	20.3	857	2008	99	0.88
7/7/96 6	4.4	-1.2	45.8	3.9	2259	448	116	0.95
7/7/96 7	5.2	-0.8	52.8	2.9	1281	308	105	0.95
immediately beneath erosion surface								
7/7/96 8	-2.7	-6.0	60.5	3.4	1453	237	70	0.95
7/7/96 9	-1.6	-1.1	60.6	15.8	631	1387	88	0.82

Farm Okambara 219 (18.1°E, 22.6°S)
Buschmannsklippe Formation
La Fraque Member

7/9/96 10	-5.2	-6.6	103.8	4.9	738	425	87	4.54
7/9/96 11	-5.7	-11.1	126.8	1.1	2926	235	205	108.24
7/9/96/12	-5.2	-11.0	132.2	1.2	3531	265	227	125.08
7/9/96 13	-4.9	-9.6	140.0	1.5	2706	306	200	74.24
7/9/96 14	-5.6	-11.2	152.4	1.2	1823	384	334	122.27
7/9/96 15	-5.1	-10.7	156.5	0.8	1715	277	349	129.85

Bildah Member

aragonite crystal fan pseudomorph facies			
7/8/96/29	-5.6	-10.8	68.0
7/9/96/1F	-5.1	-10.5	67.0
7/9/96/1E	-4.9	-8.7	67.3
7/9/96/1D	-4.6	-5.6	67.5
laminated dolostone facies			
7/9/96/1B	-4.1	-6.4	65.0
7/9/96/1A	-3.9	-6.4	65.3
7/8/96/15	-4.2	-6.4	65.5
7/8/96/13	-4.9	-7.0	65.8
7/8/96/12	-4.9	-7.1	66.0
7/8/96/11	-4.9	-7.6	66.3
7/8/96/10	-5.0	-8.2	66.5
tubestone facies			
Bildah 13	-3.9	-6.4	64.0
Bildah 12	-4.5	-7.4	60.0
Bildah 11	-4.0	-8.0	55.0
Bildah 10	-3.8	-7.5	50.0
Bildah 9	-3.3	-8.0	45.0

Bildah 8	-3.3	-7.2	37.0
Bildah 7	-3.2	-6.5	32.0
Bildah 6	-3.3	-7.5	27.0
Bildah 5	-4.4	-5.8	21.5
Bildah 4	-3.1	-6.6	16.5
Bildah 3	-3.5	-5.9	11.5
Bildah 2	-4.0	-6.3	6.5
Bildah 1	-3.4	-8.0	1.9

Naukluft Nappe Complex
Farm Blässkranz (16.2°E, 24.1°S)

Tsabisis Formation (upper cap carbonate)

7/20/96 1	-3.5	-4.7	27.0	3.9	1821	264	68	3.19
7/20/96 2	-3.0	-3.8	24.0	4.8	1635	248	51	3.08
7/20/96 3	-3.1	-5.2	21.0	1.4	1007	105	73	2.96
7/20/96 4	-2.6	-4.4	18.0	6.1	2088	454	75	3.09
7/20/96 5	-1.9	-5.6	15.0	11.1	3339	814	74	3.13
7/20/96 6	-1.6	-5.9	12.0	13.6	2879	971	71	3.17
7/20/96 7	-0.4	-6.5	9.0	0.7	392	103	155	185.34
7/20/96 8	-0.9	-6.9	6.0	0.4	789	84	187	119.26
7/20/96 9	-1.9	-12.4	3.0	1.1	1266	222	205	88.08

AMADEUS BASIN, CENTRAL AUSTRALIA
Ross River (134.3°E, 23.6°S)
Julie Formation

J0	4.8	-9.1	0.0
J9	4.8	-10.3	9.0
J18	5.0	-7.7	18.0
J32	5.0	-5.5	32.0
J39	4.7	-7.6	39.0
J44	3.9	-6.0	44.0
J60	5.9	-5.3	60.0
J76	4.9	-7.6	76.0
J97	4.5	-8.0	97.0
J89	4.4	-7.7	89.0

Mt Capitor (134.6°E, 24°S)
Olympic Formation (upper cap carbonate)

MC 1A	0.7	-4.5	0.1
MC 2	0.6	-1.3	3.0
MC 3	0.0	-4.7	4.5
MC4	0.8	-4.5	7.5
MC6	-1.3	-5.0	9.0
MC7B	-2.0	-3.9	10.1
MC8	-1.8	-8.1	10.5
MC9	-1.7	-5.0	11.3
MC10	-1.8	-3.8	11.6
MC11	-1.7	-6.3	12.0
MC13	-2.0	-5.5	12.5
MC14	-2.0	-6.0	13.1
MC16	-2.3	-6.0	13.5
MC 20	-2.5	-6.3	15.8
MC22	-2.6	-4.6	16.5
MC28	-3.3	-6.2	20.3
MC31	-2.8	-5.1	21.8
MC31	-2.8	-5.1	21.8
MC33	-3.2	-5.4	22.5
MC35	-3.4	-5.1	23.3
MC37	-3.4	-5.0	24.0
MC40	-4.0	-6.2	25.5
MC42	-4.1	-6.0	27.0
MC44	-3.8	-4.9	28.5
MC48	-6.3	-12.0	30.0

Kennedy 9

East Limbla syncline, Mt Kathleen (135°E, 23.8°S)
Aralka Formation, Limbla Member

6/2/96/1	8.2	-12.0	87.4
6/2/96/2	8.4	-12.3	89.3
6/2/96/3	8.1	-11.7	93.0
6/2/96/4	8.1	-10.9	94.9
6/2/96/5	8.9	-12.1	139.5
6/2/96/6	9.1	-11.9	140.5
6/2/96/7	8.9	-11.4	142.5

Limbla syncline, east of Dead Horse water hole, Hale River (135°E, 23.8°S)
Aralka Formation, Ringwood Member

6/3/96/1	2.7	-3.2	1.8
6/3/96/3	2.7	-9.5	10.8
6/3/96/4	3.1	-9.4	12.6
6/3/96/5	1.4	-5.9	25.2
6/3/96/6	2.4	-6.7	26.1
6/3/96/7	2.2	-8.5	27.0
6/3/96/8	-1.7	-7.5	41.4
6/3/96/9	2.7	-11.7	48.6
6/3/96/10	2.0	-9.5	55.8
6/3/96/11	2.3	-11.4	57.6
6/3/96/12	2.1	-3.6	59.4
6/3/96/14	2.9	-12.4	76.5
6/3/96/15	1.9	-10.8	91.8
6/3/96/16	2.9	-12.1	91.8
6/3/96/18	3.7	-11.8	99.0
6/3/96/19	2.8	-12.4	102.6
6/3/96/20	3.8	-11.9	109.8
6/3/96/21	3.0	-11.9	113.4
6/3/96/33	2.2	-10.6	255.6
6/3/96/35	2.6	-12.0	257.4
6/3/96/37	2.7	-11.7	260.0
6/3/96/39	2.7	-12.1	261.0

Limbla Syncline, east of Dead Horse water hole (135.3°E, 23.8°S)
Areyonga Formation (lower cap carbonate)

PUA 1	-2.2	0.0	0.0
PUA 2	-0.6	0.3	0.5
PUA 3	-0.3	0.4	1.0
PUA 4	1.1	-1.0	1.5