

Table A. Annual rainfall data collected above Soreq Cave between 1990 and 2007

Year (wet-season spans 2 years)	Rainfall amount (mm)	Annually averaged $\delta^{18}\text{O}$ (‰, VSMOW)
1990-91	415	-5*
91-92	1020	-8*
92-93	660	-7.1*
93-94	500	-6.1
94-95	603	-6.35
95-96	617	-6.56
96-97	679	-5.82
97-98	527	-5.27
98-99	199	-4.42
99-00	376	-6
2000-01	412	-5.53
02-Jan	636	-6.15
03-Feb	777	-5.95
04-Mar	301	-5.47
05-Apr	442	-5.1
06-May	434	-5.4
07-Jun	392	-5.23
Average	529	-5.85

* Measurements of cumulative $\delta^{18}\text{O}$ values before 1993-94 excluded some minor rainfall events.

Table B (Supplemental Material)

Table B. Ion microprobe (raw and corrected) oxygen isotope values, analytical notes, model ages, and fluorescence and banding classifications of analyses from Soreq Cave sample 2-6.

Analysis #	Analysis Name	$\delta^{18}\text{O}_{\text{VSMO}}$ W (‰)	$\delta^{18}\text{O}_{\text{PD}}$ B (‰)*	Error (2s.d.)**	$\delta^{18}\text{O}_{\text{Raw}}$ (‰)	Error (2 σ)†	IMF (‰)‡	Stage X (μm)	Stage Y (μm)	Remark	Model Age (ka) [§]	Fluorescence Γ	Band # [¶]
UWC-3, calcite standard		12.49											
mount: S1E_S2													
20070117-111	S1E_S2 UWC3 G3#30				9.01	0.315							
20070117-112	S1E_S2 UWC3 G3#30				9.41	0.402							
20070117-113	S1E_S2 UWC3 G3#31				9.51	0.248							
20070117-114	S1E_S2 UWC3 G3#32				9.31	0.215							
Bracket STD 30-36		12.49	-17.87		9.32	0.46	-3.13						
20070117-115	S1E-1	23.18	-7.50	0.46	19.98	0.519		4444	-7902	crack?			
20070117-116	S1E-2	23.97	-6.74	0.46	20.76	0.688		4438	-7716				
20070117-117	S1E-3	24.47	-6.24	0.46	21.26	0.272		4426	-7525				
20070117-118	S1E-4	24.14	-6.57	0.46	20.93	0.401		4246	-7336				
20070117-119	S1E-5	24.39	-6.32	0.46	21.18	0.477		4292	-7070				
20070117-120	S1E-6	23.95	-6.75	0.46	20.74	0.330		4337	-6842				
20070117-121	S1E-7	24.45	-6.27	0.46	21.24	0.405		4464	-6519				
20070117-122	S1E-8	24.47	-6.24	0.46	21.27	0.543		4178	-6296				
20070117-123	S1E-9	23.08	-7.60	0.46	19.88	0.572		4144	-6171				
20070117-124	S1E-10	24.04	-6.66	0.46	20.84	0.356		4153	-6269				
20070117-125	S1E-11	24.05	-6.65	0.46	20.84	0.299		4144	-6253				
20070117-126	S1E-12	23.97	-6.73	0.46	20.77	0.404		4135	-6232				
20070117-127	S1E-13	24.16	-6.54	0.46	20.96	0.681		4118	-6227				
20070117-128	S1E-14	22.92	-7.75	0.46	19.71	0.780		4105	-6199				
20070117-129	S1E-15	23.41	-7.28	0.46	20.20	0.451		4103	-6174				
20070117-130	S1E_S2 UWC3 G3#33				9.69	0.648							

20070117-131 S1E_S2 UWC3 G3#34				9.15	0.557				
20070117-132 S1E_S2 UWC3 G3#35				9.09	0.819				
20070117-133 S1E_S2 UWC3 G3#36				9.38	0.723				
Bracket STD 33-42	12.49	-17.87		9.33	0.37	-3.12			
20070117-134 S1E-16	24.02	-6.69	0.37	20.82	0.259		4102	-6150	
20070117-135 S1E-17	24.22	-6.49	0.37	21.02	0.352		4463	-5643	
20070117-136 S1E-18	24.76	-5.97	0.37	21.56	0.481		4442	-5586	
20070117-137 S1E-19	24.45	-6.26	0.37	21.25	0.502		4435	-5536	2.048 dark 61
20070117-138 S1E-20	25.25	-5.49	0.37	22.05	0.523		4412	-5474	
20070117-139 S1E-21	23.95	-6.75	0.37	20.75	0.863		4366	-5429	2.043 light 62
20070117-140 S1E-22	25.70	-5.05	0.37	22.50	0.456		4374	-5461	
20070117-141 S1E-23	24.34	-6.37	0.37	21.15	0.552		4468	-5190	2.035 dark 62
20070117-142 S1E-24	23.92	-6.78	0.37	20.72	0.600		4206	-5023	
20070117-143 S1E-25	24.19	-6.52	0.37	20.99	0.424		4218	-4556	
20070117-144 S1E-26	25.01	-5.72	0.37	21.82	0.728		4273	-4212	
20070117-145 S1E-27	25.28	-5.46	0.37	22.08	0.599		4208	-4164	
20070117-146 S1E-28	25.34	-5.40	0.37	22.14	0.567		4104	-4158	
20070117-147 S1E-29	23.66	-7.03	0.37	20.46	0.459		4064	-4148	
20070117-148 S1E-30	25.93	-4.83	0.37	22.73	0.293		4036	-4107	
20070117-149 S1E_S2 UWC3 G3#37				9.40	0.396				z-focus
20070117-150 S1E_S2 UWC3 G3#38				9.20	0.348				
20070117-151 S1E_S2 UWC3 G3#39				9.34	0.442				
20070117-152 S1E_S2 UWC3 G3#40				9.55	0.219				
20070117-153 S1E_S2 UWC3 G3#41				9.20	0.427				
20070117-154 S1E_S2 UWC3 G3#42				9.29	0.348				
Bracket STD 37-46	12.49	-17.87		9.38	0.25	-3.08			
20070117-155 S1E-31	23.70	-6.99	0.25	20.56	0.235		4025	-4063	z-focus
20070117-156 S1E-32	24.19	-6.52	0.25	21.04	0.299		4020	-4033	
20070117-157 S1E-33	25.66	-5.09	0.25	22.51	0.564		4062	-4111	
20070117-158 S1E-34	25.15	-5.58	0.25	22.00	0.702		4002	-4002	

20070117-159 S1E-35	25.31	-5.43	0.25	22.16	0.336	3974	-3982			
20070117-160 S1E-36	25.19	-5.55	0.25	22.03	0.477	3950	-3957			
20070117-161 S1E-37	25.35	-5.40	0.25	22.19	0.613	3971	-3933			
20070117-162 S1E-38	25.08	-5.66	0.25	21.93	0.622	3928	-3939			
20070117-163 S1E-39	24.43	-6.29	0.25	21.28	0.255	3945	-3909			
20070117-164 S1E-40	24.42	-6.30	0.25	21.27	0.433	3908	-3891			
20070117-165 S1E-41	24.07	-6.63	0.25	20.92	0.244	3886	-3859	1.986	light	66
20070117-166 S1E-42	24.32	-6.39	0.25	21.17	0.242	3863	-3829			
20070117-167 S1E-43	25.14	-5.60	0.25	21.99	0.426	3969	-3572			
20070117-168 S1E-44	25.42	-5.33	0.25	22.26	0.257	3850	-3330	1.967	dark	66
20070117-169 S1E-45	23.92	-6.78	0.25	20.78	0.369	3817	-3281	1.966	light	67
20070117-170 S1E_S2 UWC3 G3#43				9.52	0.297					
20070117-171 S1E_S2 UWC3 G3#44				9.45	0.302					
20070117-172 S1E_S2 UWC3 G3#45				9.32	0.298					
20070117-173 S1E_S2 UWC3 G3#46				9.50	0.210					
Bracket STD 43-50	12.49	-17.87		9.49	0.31	-2.96				
20070117-174 S1E-46	24.85	-5.88	0.31	21.81	0.203	4168	-2812			
20070117-175 S1E-47	24.94	-5.79	0.31	21.91	0.692	3909	-2783	1.947	dark	67
20070117-176 S1E-48	24.85	-5.88	0.31	21.82	0.540	3646	-2787			
20070117-177 S1E-49	25.05	-5.69	0.31	22.01	0.538	2911	-2925			
20070117-178 S1E-50	24.65	-6.07	0.31	21.62	0.588	2617	-3074			
20070117-179 S1E-51	25.53	-5.22	0.31	22.50	0.222	2302	-3192			
20070117-180 S1E-52	24.33	-6.38	0.31	21.30	0.315	1660	-3159			
20070117-181 S1E-53	24.95	-5.78	0.31	21.92	0.479	1493	-3110			
20070117-182 S1E-54	24.03	-6.68	0.31	20.99	0.520	328	-3050			
20070117-183 S1E-55	24.34	-6.37	0.31	21.31	0.554	-625	-3097			
20070117-184 S1E-56	24.85	-5.88	0.31	21.81	0.562	-3538	-4859			
20070117-185 S1E-57	25.02	-5.71	0.31	21.99	0.509	-3626	-4744			
20070117-186 S1E-58	23.99	-6.71	0.31	20.96	0.516	-3759	-4546			
20070117-187 S1E-59	24.89	-5.84	0.31	21.86	0.598	-3847	-4434			

20070117-188 S1E-60	24.55	-6.17	0.31	21.51	0.665	-3841	-4298			
20070117-189 S1E_S2 UWC3 G3#47				9.65	0.577					
20070117-190 S1E_S2 UWC3 G3#48				9.23	0.464					
20070117-191 S1E_S2 UWC3 G3#49				9.61	0.663					
20070117-192 S1E_S2 UWC3 G3#50				9.66	0.471					
Bracket STD 47-54	12.49	-17.87		9.52	0.28	-2.93				
20070117-193 S1E-61	24.08	-6.63	0.28	21.08	0.607	-4035	-4158			
20070117-194 S1E-62	23.50	-7.19	0.28	20.50	0.529	-4120	-4030			
20070117-195 S1E-63	23.93	-6.77	0.28	20.93	0.624	-4242	-3896			
20070117-196 S1E-64	24.36	-6.35	0.28	21.36	0.334	-4368	-3812			
20070117-197 S1E-65	24.57	-6.15	0.28	21.57	0.431	-4469	-3766	1.910	dark	73
20070117-198 S1E-66	23.95	-6.75	0.28	20.95	0.484	-4627	-3754			
20070117-199 S1E-67	23.55	-7.14	0.28	20.55	0.317	-4672	-3681			
20070117-200 S1E-68	23.14	-7.54	0.28	20.14	0.485	-4717	-3612			
20070117-201 S1E-69	24.03	-6.68	0.28	21.03	0.676	-4766	-3504			
20070117-202 S1E-70	24.44	-6.28	0.28	21.44	0.550	-4820	-3397			
20070117-203 S1E-71	23.93	-6.77	0.28	20.93	0.561	-4899	-3321			
20070117-204 S1E-72	23.84	-6.86	0.28	20.84	0.516	-4926	-3283			
20070117-205 S1E-73	23.34	-7.35	0.28	20.34	0.485	-4949	-3238			
20070117-206 S1E-74	23.82	-6.87	0.28	20.82	0.468	-5077	-3389			
20070117-207 S1E-75	22.95	-7.72	0.28	19.95	0.610	-5106	-3354	1.897	light	75
20070117-208 S1E_S2 UWC3 G3#51				9.58	0.278					
20070117-209 S1E_S2 UWC3 G3#52				9.52	0.463					
20070117-210 S1E_S2 UWC3 G3#53				9.51	0.403					
20070117-211 S1E_S2 UWC3 G3#54				9.43	0.433					
Bracket STD 51-54, 57-60	12.49	-17.87		9.42	0.31	-3.03				
20070117-212 S1E-76	24.11	-6.60	0.31	21.01	0.320	-5208	-3327			
20070117-213 S1E-77	24.36	-6.35	0.31	21.26	0.484	-5322	-3254			primary beam aberration

20070117-214 S1E-78-	22.18	-8.47	0.31	19.09	7.254	-5532	-3332	primary beam aberration; adjustment following this analysis allows restabilization		
20070117-217 S1E_S2 UWC3 G3#57				9.37	0.401					
20070117-218 S1E_S2 UWC3 G3#58				9.28	0.217					
20070117-219 S1E_S2 UWC3 G3#59				9.14	0.367					
20070117-220 S1E_S2 UWC3 G3#60				9.56	0.606					
Bracket STD 57-66	12.49	-17.87		9.47	0.52	-2.99				
20070117-221 S1E-79	23.87	-6.83	0.52	20.81	0.566	-5224	-3299			
20070117-222 S1E-80	23.94	-6.76	0.52	20.88	0.521	-5347	-3232			
20070117-223 S1E-81	23.85	-6.85	0.52	20.79	0.681	-5563	-3323			
20070117-224 S1E-82	24.61	-6.11	0.52	21.55	0.486	-5579	-3245	1.888	dark	75
20070117-225 S1E-83	24.27	-6.44	0.52	21.21	0.517	-5622	-3196			
20070117-226 S1E-84	23.89	-6.81	0.52	20.83	0.525	-5687	-3154			
20070117-227 S1E-85	23.74	-6.95	0.52	20.68	0.487	-5724	-3101			
20070117-228 S1E-86	24.67	-6.06	0.52	21.61	0.471	-5833	-3126			
20070117-229 S1E_S2 UWC3 G3#61				9.19	0.429					z-focus
20070117-230 S1E_S2 UWC3 G3#62				9.59	0.327					
20070117-231 S1E_S2 UWC3 G3#63				9.73	0.204					
20070117-232 S1E_S2 UWC3 G3#64				9.63	0.449					
20070117-233 S1E_S2 UWC3 G3#65				9.93	0.314					
20070117-234 S1E_S2 UWC3 G3#66				9.25	0.560					
new mount: S1CD										sample change
20070117-235 S1CD UWC3 G3#67				9.35	0.448					
20070117-236 S1CD UWC3 G3#68				9.18	0.404					
20070117-237 S1CD UWC3 G3#69				9.64	0.221					
20070117-238 S1CD UWC3 G3#70				9.44	0.626					
Bracket STD 67-74	12.49	-17.87		9.38	0.28	-3.07				
20070117-239 S1D-1	25.31	-5.43	0.28	22.16	0.563	3797	-1183			

20070117-240 S1D-2	24.79	-5.94	0.28	21.64	0.561	3529	-1191
20070117-241 S1D-3	24.79	-5.94	0.28	21.64	0.531	3271	-1261
20070117-242 S1D-4	24.72	-6.00	0.28	21.57	0.549	3682	-1185
20070117-243 S1D-5	25.20	-5.53	0.28	22.06	0.617	3410	-1198
20070117-244 S1D-6	24.46	-6.26	0.28	21.31	0.596	3143	-1266
20070117-245 S1D-7	25.15	-5.59	0.28	22.00	0.321	2980	-1255
20070117-246 S1D-8	23.72	-6.98	0.28	20.57	0.318	2902	-1222
20070117-247 S1D-9	24.21	-6.50	0.28	21.06	0.595	2785	-1250
20070117-248 S1D-10	24.33	-6.38	0.28	21.18	0.570	2679	-1234
20070117-249 S1D-11	25.01	-5.72	0.28	21.87	0.541	2553	-1255
20070117-250 S1D-12	25.53	-5.21	0.28	22.38	0.520	2451	-1250
20070117-251 S1D-13	24.51	-6.21	0.28	21.36	0.621	2372	-1239
20070117-252 S1D-14	24.75	-5.98	0.28	21.60	0.199	2276	-1233
20070117-253 S1D-15	25.05	-5.68	0.28	21.91	0.595	2173	-1227
20070117-254 S1CD UWC3 G3#71				9.48	0.481		
20070117-255 S1CD UWC3 G3#72				9.30	0.502		
20070117-256 S1CD UWC3 G3#73				9.27	0.569		
20070117-257 S1CD UWC3 G3#74				9.36	0.569		
Bracket STD 71-78	12.49	-17.87		9.53	0.42	-2.92	
20070117-258 S1D-16	23.95	-6.75	0.42	20.96	0.468	1798	-1260
20070117-259 S1D-17	24.80	-5.93	0.42	21.80	0.732	1700	-1262
20070117-260 S1D-18	24.69	-6.03	0.42	21.69	0.461	1603	-1251
20070117-261 S1D-19	25.12	-5.62	0.42	22.12	0.586	1496	-1250
20070117-262 S1D-20	24.50	-6.21	0.42	21.51	0.580	1383	-1247
20070117-263 S1D-21	25.07	-5.67	0.42	22.07	0.589	1302	-1198
20070117-264 S1D-22	24.21	-6.50	0.42	21.22	0.376	1174	-1181
20070117-265 S1D-23	24.84	-5.88	0.42	21.85	0.508	1046	-1233
20070117-266 S1D-24	24.87	-5.86	0.42	21.87	0.536	964	-1330
20070117-267 S1D-25	24.71	-6.02	0.42	21.71	0.524	842	-1336
20070117-268 S1D-26	23.98	-6.72	0.42	20.99	0.590	696	-1190

20070117-269 S1D-27	24.51	-6.21	0.42	21.51	0.630	546	-1209
20070117-270 S1D-28	24.92	-5.81	0.42	21.93	0.691	413	-1148
20070117-271 S1D-29	24.74	-5.99	0.42	21.74	0.591	234	-1147
20070117-272 S1D-30	24.32	-6.40	0.42	21.32	0.538	114	-1146
20070117-273 S1CD UWC3 G3#75				9.70	0.783		
20070117-274 S1CD UWC3 G3#76				9.63	0.867		
20070117-275 S1CD UWC3 G3#77				9.64	0.680		
20070117-276 S1CD UWC3 G3#78				9.86	0.303		
Bracket STD 75-80, 82-84	12.49	-17.87		9.59	0.29	-2.86	
20070117-277 S1D-31	24.92	-5.81	0.29	21.99	0.598	12	-1159
20070117-278 S1D-32	25.13	-5.61	0.29	22.20	0.579	-107	-1146
20070117-279 S1D-33	24.62	-6.10	0.29	21.69	0.613	-221	-1150
20070117-280 S1D-34	24.55	-6.17	0.29	21.62	0.383	-333	-1155
20070117-281 S1D-35	24.36	-6.36	0.29	21.43	0.322	-566	-1115
20070117-282 S1D-36	25.26	-5.48	0.29	22.33	0.622	-716	-1102
20070117-283 S1D-37	25.44	-5.31	0.29	22.51	0.535	-842	-1104
20070117-284 S1D-38	25.33	-5.42	0.29	22.39	0.512	-980	-1094
20070117-285 S1D-39	24.64	-6.08	0.29	21.71	0.510	-1057	-1088
20070117-286 S1D-40	24.03	-6.67	0.29	21.10	0.466	-1150	-1081
20070117-287 S1D-41	25.27	-5.47	0.29	22.34	0.409	-1291	-1084
20070117-288 S1D-42	25.01	-5.72	0.29	22.08	0.456	-1397	-1109
20070117-289 S1D-43	24.86	-5.86	0.29	21.93	0.502	-1525	-1113
20070117-290 S1D-44	24.69	-6.03	0.29	21.76	0.367	-1646	-1116
20070117-291 S1D-45	24.45	-6.27	0.29	21.52	0.637	-1740	-1118
20070117-292 S1CD UWC3 G3#79				9.47	0.721		
20070117-293 S1CD UWC3 G3#80				9.43	0.514		
20070117-294 S1CD UWC3 G3#81				8.55	0.334		crack?
20070117-295 S1CD UWC3 G3#82				9.38	0.645		
20070117-296 S1CD UWC3 G3#83				9.57	0.605		
20070117-297 S1CD UWC3 G3#84				9.67	0.639		

	12.49	-17.87		9.58	0.29	-2.87		
20070117-298 S1D-46	25.12	-5.62	0.29	22.17	0.369		-1845	-1116
20070117-299 S1D-47	24.44	-6.27	0.29	21.50	0.422		-1950	-1137
20070117-300 S1D-48	24.78	-5.94	0.29	21.84	0.493		-2080	-1116
20070117-301 S1D-49	25.15	-5.59	0.29	22.21	0.579		-2236	-1136
20070117-302 S1D-50	25.05	-5.68	0.29	22.11	0.430		-2383	-1117
20070117-303 S1D-51	25.33	-5.41	0.29	22.39	0.292		-2533	-1118
20070117-304 S1D-52	24.57	-6.15	0.29	21.62	0.507		-2696	-1096
20070117-305 S1D-53	24.98	-5.75	0.29	22.04	0.479		-2896	-1130
20070117-306 S1D-54	25.18	-5.56	0.29	22.24	0.550		-3029	-1117
20070117-307 S1D-55	25.12	-5.61	0.29	22.18	0.292		-3175	-1108
20070117-308 S1D-56	25.25	-5.49	0.29	22.31	0.276		-3281	-1067
20070117-309 S1D-57	25.58	-5.17	0.29	22.64	0.726		-3410	-1066
20070117-310 S1D-58	24.71	-6.01	0.29	21.77	0.507		-3565	-1057
20070117-311 S1D-59	25.17	-5.57	0.29	22.22	0.455		-3676	-1076
20070117-312 S1D-60	25.75	-5.00	0.29	22.81	0.629		-3812	-1066
20070117-313 S1CD UWC3 G3#85				9.56	0.256			
20070117-314 S1CD UWC3 G3#86				9.58	0.481			
20070117-315 S1CD UWC3 G3#87				9.81	0.339			
20070117-316 S1CD UWC3 G3#88				9.76	0.401			
	12.49	-17.87		9.73	0.46	-2.73		
20070117-317 S1D-61	25.24	-5.50	0.46	22.45	0.747		-3971	-1030
20070117-318 S1D-62	24.95	-5.78	0.46	22.16	0.401		-4176	-1022
20070117-319 S1D-63	25.09	-5.65	0.46	22.29	0.375		-4316	-1015
20070117-320 S1D-64	24.22	-6.49	0.46	21.42	0.426		-4450	-992
20070117-321 S1D-65	24.11	-6.60	0.46	21.31	0.725		-4618	-1003
20070117-322 S1D-66	23.89	-6.81	0.46	21.09	0.606		-4718	-1038
20070117-323 S1D-67	24.15	-6.56	0.46	21.35	0.522		-4809	-1060
20070117-324 S1D-68	24.62	-6.10	0.46	21.83	0.362		-4998	-1050
20070117-325 S1D-69	24.41	-6.31	0.46	21.61	0.233		-5133	-1042

20070117-326 S1D-70	25.02	-5.71	0.46	22.23	0.676	-5256	-1004
20070117-327 S1D-71	24.55	-6.17	0.46	21.75	0.440	-5388	-1020
20070117-328 S1D-72	24.89	-5.84	0.46	22.09	0.512	-5489	-1013
20070117-329 S1D-73	25.38	-5.36	0.46	22.58	0.244	-5620	-1007
20070117-330 S1D-74	24.95	-5.78	0.46	22.15	0.742	-5715	-1025
20070117-331 S1CD UWC3 G3#89				10.17	0.635		
20070117-332 S1CD UWC3 G3#90				9.86	0.518		
20070117-333 S1CD UWC3 G3#91				9.76	0.922		
20070117-334 S1CD UWC3 G3#92				9.35	0.346		
20070117-335 S1CD UWC3 G3#93				9.69	0.447		
						primary beam adjusted following this analysis	
20070117-338 S1CD UWC3 G3#96				8.71	0.534		
20070117-339 S1CD UWC3 G3#97				8.80	0.395		
20070117-340 S1CD UWC3 G3#98				9.13	0.684		
20070117-341 S1CD UWC3 G3#99				8.83	0.549		
Bracket STD 96-103	12.49	-17.87	0.36	8.97	0.36	-3.48	
20070117-342 S1C-1	24.37	-6.34	0.36	20.81	0.356	-5363	2681
20070117-343 S1C-2	24.61	-6.12	0.36	21.04	0.444	-5145	2709
20070117-344 S1C-3	24.41	-6.31	0.36	20.85	0.546	-4693	2655
20070117-345 S1C-4	25.45	-5.30	0.36	21.88	0.515	-4390	2777
20070117-346 S1C-5	25.18	-5.56	0.36	21.62	0.472	-4225	2978
20070117-347 S1C-6	24.40	-6.31	0.36	20.84	0.443	-3951	3025
20070117-348 S1C-7	24.45	-6.26	0.36	20.89	0.402	-3751	2878
20070117-349 S1C-8	25.47	-5.27	0.36	21.91	0.295	-3635	2871
20070117-350 S1C-9	24.90	-5.83	0.36	21.34	0.322	-3354	2865
20070117-351 S1C-10	25.01	-5.72	0.36	21.45	0.317	-3172	3000
20070117-352 S1CD UWC3 G3#100				9.04	0.420		
20070117-353 S1CD UWC3 G3#101				8.91	0.507		
20070117-354 S1CD UWC3 G3#102				9.18	0.367		
20070117-355 S1CD UWC3 G3#103				9.16	0.600		

	Bracket STD 100-107	12.49	-17.87		9.02	0.26	-3.43		
20070117-356 S1C-11		24.97	-5.76	0.26	21.46	0.280		-3155	2968
20070117-357 S1C-12		24.66	-6.06	0.26	21.15	0.707		-3126	2959
20070117-358 S1C-13		23.76	-6.93	0.26	20.26	0.638		-3098	2951
20070117-359 S1C-14		24.56	-6.16	0.26	21.05	0.521		-3072	2946
20070117-360 S1C-15		24.43	-6.28	0.26	20.92	0.490		-3056	2923
20070117-361 S1C-16		25.44	-5.31	0.26	21.92	0.525		-3015	2916
20070117-362 S1C-17		25.08	-5.66	0.26	21.57	0.593		-2985	2904
20070117-363 S1C-18		24.93	-5.80	0.26	21.42	0.549		-2959	2892
20070117-364 S1C-19		24.25	-6.46	0.26	20.74	0.426		-2929	2877
20070117-365 S1C-20		24.66	-6.06	0.26	21.15	0.475		-2885	2842
20070117-366 S1C-21		24.70	-6.03	0.26	21.19	0.443		-2814	2820
20070117-367 S1C-22		23.86	-6.84	0.26	20.35	0.528		-2739	2818
20070117-368 S1C-23		24.33	-6.38	0.26	20.82	0.621		-2700	2799
20070117-369 S1C-24		25.19	-5.55	0.26	21.68	0.451		-2732	2848
20070117-370 S1C-25		23.83	-6.86	0.26	20.33	0.707		-3093	2979
20070117-371 S1CD UWC3 G3#104					8.91	0.578			
20070117-372 S1CD UWC3 G3#105					9.06	0.414			
20070117-373 S1CD UWC3 G3#106					8.83	0.324			
20070117-374 S1CD UWC3 G3#107					9.09	0.403			
	Bracket STD 104-111	12.49	-17.87		9.08	0.32	-3.37		
20070117-375 S1C-26		25.10	-5.64	0.32	21.64	0.473		-2292	2921
20070117-376 S1C-27		24.37	-6.34	0.32	20.92	0.394		-2197	2853
20070117-377 S1C-28		24.31	-6.40	0.32	20.86	0.433		-2209	2826
20070117-378 S1C-29		24.90	-5.83	0.32	21.45	0.467		-1649	2888
20070117-379 S1C-30		25.18	-5.56	0.32	21.72	0.419		-1537	2840
20070117-380 S1C-31		25.78	-4.97	0.32	22.33	0.353		-1363	3017
20070117-381 S1C-32		24.37	-6.34	0.32	20.92	0.328		-1328	2994
20070117-382 S1C-33		25.27	-5.47	0.32	21.82	0.478		-1388	2992
20070117-383 S1C-34		24.54	-6.18	0.32	21.08	0.450		-1295	2976

20070117-384 S1C-35	24.51	-6.21	0.32	21.05	0.248	-1264	2960
20070117-385 S1C-36	24.66	-6.07	0.32	21.20	0.491	-1167	2898
20070117-386 S1C-37	25.52	-5.23	0.32	22.06	0.495	-1110	2879
20070117-387 S1C-38	25.33	-5.41	0.32	21.87	0.473	-1130	2906
20070117-388 S1C-39	24.48	-6.24	0.32	21.03	0.454	-1069	2859
20070117-389 S1C-40	24.73	-6.00	0.32	21.27	0.499	-1047	2844
20070117-390 S1CD UWC3 G3#108				9.06	0.496		
20070117-391 S1CD UWC3 G3#109				9.20	0.399		
20070117-392 S1CD UWC3 G3#110				9.12	0.449		
20070117-393 S1CD UWC3 G3#111				9.35	0.434		
Bracket STD 108-115	12.49	-17.87		9.25	0.32	-3.20	
20070117-394 S1C-41	24.68	-6.04	0.32	21.40	0.522	-1024	2829
20070117-395 S1C-42	25.08	-5.66	0.32	21.79	0.351	-535	2596
20070117-396 S1C-43	25.23	-5.51	0.32	21.94	0.484	334	3030
20070117-397 S1C-44	25.03	-5.71	0.32	21.74	0.428	870	3154
20070117-398 S1C-45	24.69	-6.04	0.32	21.40	0.274	1011	3095
20070117-399 S1C-46	24.21	-6.50	0.32	20.93	0.333	1074	3074
20070117-400 S1C-47	23.98	-6.72	0.32	20.70	0.487	1125	3041
20070117-401 S1C-48	24.14	-6.56	0.32	20.86	0.479	1169	3007
20070117-402 S1C-49	23.71	-6.98	0.32	20.43	0.348	1214	2979
20070117-403 S1C-50	24.44	-6.28	0.32	21.15	0.404	1270	2946
20070117-404 S1C-51	25.15	-5.58	0.32	21.87	0.481	1334	2933
20070117-405 S1C-52	24.40	-6.31	0.32	21.12	0.321	1982	3135
20070117-406 S1C-53	24.86	-5.87	0.32	21.58	0.477	2065	3133
20070117-407 S1C-54	24.80	-5.93	0.32	21.51	0.375	2106	3113
20070117-408 S1C-55	24.11	-6.59	0.32	20.83	0.413	2145	3093
20070117-409 S1CD UWC3 G3#112				9.06	0.410		
20070117-410 S1CD UWC3 G3#113				9.34	0.372		
20070117-411 S1CD UWC3 G3#114				9.31	0.287		
20070117-412 S1CD UWC3 G3#115				9.52	0.489		

	12.49	-17.87		9.27	0.26	-3.18		
Bracket STD 112-119								
20070117-413 S1C-56	24.76	-5.97	0.26	21.50	0.680		2028	2821
20070117-414 S1C-57	23.85	-6.85	0.26	20.59	0.580		2068	2805
20070117-415 S1C-58	24.18	-6.52	0.26	20.93	0.333		2108	2791
20070117-416 S1C-59	24.20	-6.51	0.26	20.94	0.455		2135	2781
20070117-417 S1C-60	24.76	-5.97	0.26	21.50	0.433		2174	2768
20070117-418 S1C-61	24.85	-5.88	0.26	21.60	0.310		2219	2758
20070117-419 S1C-62	25.13	-5.61	0.26	21.87	0.401		1974	2833
20070117-420 S1C-63	24.81	-5.91	0.26	21.56	0.382		1935	2852
20070117-421 S1C-64	24.23	-6.48	0.26	20.98	0.383		2717	2733
20070117-422 S1C-65	24.36	-6.35	0.26	21.11	0.617		2822	2723
20070117-423 S1C-66	24.16	-6.55	0.26	20.90	0.282		-4644	2801
20070117-424 S1C-67	24.37	-6.35	0.26	21.11	0.512		-4623	2783
20070117-425 S1C-68	25.03	-5.70	0.26	21.78	0.444		-4606	2767
20070117-426 S1C-69	25.36	-5.38	0.26	22.10	0.335		-4586	2750
20070117-427 S1C-70	24.53	-6.19	0.26	21.27	0.444		-4568	2736
20070117-428 S1CD UWC3 G3#116				9.27	0.409			
20070117-429 S1CD UWC3 G3#117				9.29	0.400			
20070117-430 S1CD UWC3 G3#118				9.18	0.514			
20070117-431 S1CD UWC3 G3#119				9.21	0.357			
Bracket STD 116-123	12.49	-17.87		9.27	0.18	-3.18		
20070117-432 S1D-75	25.00	-5.74	0.18	21.74	0.419		3080	-1370
20070117-433 S1D-76	24.34	-6.37	0.18	21.09	0.248		3025	-1311
20070117-434 S1D-77	24.73	-6.00	0.18	21.47	0.365		2998	-1285
20070117-435 S1D-78	24.89	-5.84	0.18	21.63	0.327		3008	-1241
20070117-436 S1D-79	25.13	-5.60	0.18	21.88	0.582		2961	-1247
20070117-437 S1D-80	24.20	-6.50	0.18	20.95	0.590		2948	-1221
20070117-438 S1D-81	24.24	-6.47	0.18	20.99	0.388		2890	-1260
20070117-439 S1D-82	24.09	-6.62	0.18	20.84	0.474		2876	-1219
20070117-440 S1D-83	24.33	-6.38	0.18	21.08	0.263		2854	-1200

20070117-441 S1D-84	24.48	-6.24	0.18	21.22	0.436	2803	-1165
20070117-442 S1D-85	24.81	-5.92	0.18	21.55	0.470	-941	-1204
20070117-443 S1D-86	25.11	-5.63	0.18	21.85	0.512	-1066	-1147
20070117-444 S1D-87	25.23	-5.51	0.18	21.98	0.460	-1093	-1118
20070117-445 S1D-88	24.67	-6.06	0.18	21.41	0.570	-1085	-1088
20070117-446 S1D-89	24.92	-5.81	0.18	21.67	0.370	-1060	-1007
20070117-447 S1D-90	24.99	-5.74	0.18	21.74	0.435	-1156	-956
20070117-448 S1CD UWC3 G3#120				9.22	0.348		
20070117-449 S1CD UWC3 G3#121				9.22	0.368		
20070117-450 S1CD UWC3 G3#122				9.35	0.659		
20070117-451 S1CD UWC3 G3#123				9.45	0.384		

new mount: S1AB

sample change

20070117-452 S1AB UWC3 G1#124				9.60	0.452		
20070117-453 S1AB UWC3 G1#125				9.56	0.378		
20070117-454 S1AB UWC3 G2#126				9.45	0.331		
20070117-455 S1AB UWC3 G4#127				9.42	0.266		
20070117-456 S1AB UWC3 G5#128				9.36	0.488		
20070117-457 S1AB UWC3 G6#129				9.35	0.287		
20070117-458 S1AB UWC3 G3#130				9.28	0.617		
20070117-459 S1AB UWC3 G3#131				9.50	0.499		
20070117-460 S1AB UWC3 G3#132				8.84	0.398		
20070117-461 S1AB UWC3 G3#133				9.28	0.492		
20070117-462 S1AB UWC3 G3#134				9.42	0.372		

crack?

**Bracket STD 130-131,
133-139**

12.49 -17.87 9.47 0.26 -2.98

20070117-463 S1B-1	25.02	-5.72	0.26	21.96	0.356	4415	-1583
20070117-464 S1B-2	24.70	-6.02	0.26	21.65	0.493	4278	-1699
20070117-465 S1B-3	24.67	-6.05	0.26	21.61	0.489	4200	-1642
20070117-466 S1B-4	25.19	-5.55	0.26	22.14	0.442	4116	-1592

20070117-467 S1B-5	25.09	-5.64	0.26	22.04	0.303	4096	-1580
20070117-468 S1B-6	25.14	-5.59	0.26	22.09	0.430	4087	-1560
20070117-469 S1B-7	25.30	-5.44	0.26	22.24	0.492	4064	-1547
20070117-470 S1B-8	25.07	-5.66	0.26	22.02	0.299	4033	-1532
20070117-471 S1B-9	24.23	-6.48	0.26	21.18	0.276	4026	-1467
20070117-472 S1B-10	24.36	-6.35	0.26	21.31	0.335	3986	-1473
20070117-473 S1AB UWC3 G3#135				9.67	0.450		
20070117-474 S1AB UWC3 G3#136				9.73	0.415		
20070117-475 S1AB UWC3 G3#137				9.49	0.347		
20070117-476 S1AB UWC3 G3#138				9.42	0.381		
20070117-477 S1AB UWC3 G3#139				9.55	0.470		
Bracket STD 135-143	12.49	-17.87		9.56	0.30	-2.89	
20070117-478 S1B-11	24.25	-6.46	0.30	21.29	0.416	3682	-1571
20070117-479 S1B-12	24.87	-5.86	0.30	21.91	0.384	3617	-1535
20070117-480 S1B-13	25.02	-5.71	0.30	22.06	0.729	3557	-1514
20070117-481 S1B-14	23.53	-7.16	0.30	20.57	0.353	3535	-1500
20070117-482 S1B-15	24.23	-6.48	0.30	21.27	0.564	3517	-1489
20070117-483 S1B-16	24.46	-6.25	0.30	21.50	0.235	3498	-1475
20070117-484 S1B-17	24.94	-5.79	0.30	21.97	0.475	3478	-1463
20070117-485 S1B-18	25.02	-5.71	0.30	22.06	0.329	3456	-1455
20070117-486 S1B-19	25.51	-5.24	0.30	22.55	0.486	3431	-1443
20070117-487 S1B-20	24.87	-5.86	0.30	21.91	0.352	3408	-1431
20070117-488 S1B-21	25.09	-5.65	0.30	22.12	0.442	3384	-1421
20070117-489 S1B-22	25.05	-5.68	0.30	22.09	0.308	3360	-1414
20070117-490 S1B-23	25.18	-5.56	0.30	22.22	0.463	3339	-1404
20070117-491 S1B-24	24.06	-6.65	0.30	21.09	0.476	3311	-1403
20070117-492 S1B-25	24.18	-6.53	0.30	21.22	0.391	3278	-1392
20070117-493 S1AB UWC3 G3#140				9.56	0.431		
20070117-494 S1AB UWC3 G3#141				9.31	0.410		
20070117-495 S1AB UWC3 G3#142				9.79	0.294		

20070117-496 S1AB UWC3 G3#143				9.54	0.472		
Bracket STD 140-150	12.49	-17.87		9.50	0.39	-2.96	
20070117-497 S1B-26	24.46	-6.26	0.39	21.43	0.476	3248	-1381
20070117-498 S1B-27	25.00	-5.73	0.39	21.97	0.506	3236	-1359
20070117-499 S1B-28	24.70	-6.02	0.39	21.67	0.455	3207	-1341
20070117-500 S1B-29	24.72	-6.00	0.39	21.69	0.514	2613	-1572
20070117-501 S1B-30	24.63	-6.09	0.39	21.60	0.358	2514	-1548
20070117-502 S1B-31	24.83	-5.90	0.39	21.80	0.530	2412	-1490
20070117-503 S1B-32	24.78	-5.95	0.39	21.75	0.589	2359	-1455
20070117-504 S1B-33	25.18	-5.55	0.39	22.15	0.340	2374	-1423
20070117-505 S1B-34	24.87	-5.86	0.39	21.84	0.607	2345	-1438
20070117-506 S1B-35	24.69	-6.04	0.39	21.66	0.843	2324	-1421
20070117-507 S1B-36	23.66	-7.03	0.39	20.64	0.403	2296	-1420
20070117-508 S1B-37	24.61	-6.11	0.39	21.58	0.366	2268	-1420
20070117-509 S1B-38	24.08	-6.62	0.39	21.05	0.398	2228	-1466
20070117-510 S1B-39	24.75	-5.98	0.39	21.72	0.552	2254	-1401
20070117-511 S1B-40	24.37	-6.34	0.39	21.35	0.392	2218	-1388
20070117-512 S1AB UWC3 G3#144				9.20	0.429		
20070117-513 S1AB UWC3 G3#145				9.33	0.361		
20070117-514 S1AB UWC3 G3#146				9.38	0.307		
20070117-515 S1AB UWC3 G3#147				9.78	0.522		
20070117-516 S1AB UWC3 G3#148				9.66	0.303		
20070117-517 S1AB UWC3 G3#149				9.47	0.366		
20070117-518 S1AB UWC3 G3#150				9.44	0.414		
Bracket STD 144-154	12.49	-17.87		9.47	0.33	-2.98	
20070117-519 S1B-41	24.71	-6.01	0.33	21.66	0.529	1728	-1522
20070117-520 S1B-42	24.87	-5.86	0.33	21.81	0.274	1689	-1500
20070117-521 S1B-43	24.30	-6.41	0.33	21.25	0.378	1637	-1482
20070117-522 S1B-44	25.16	-5.58	0.33	22.10	0.311	1787	-1607
20070117-523 S1B-45	25.49	-5.25	0.33	22.44	0.388	1830	-1630

20070117-524 S1B-46	25.20	-5.54	0.33	22.14	0.536	1895	-1667
20070117-525 S1B-47	23.84	-6.86	0.33	20.79	0.501	1754	-1582
20070117-526 S1B-48	24.50	-6.22	0.33	21.44	0.331	1315	-1388
20070117-527 S1B-49	25.00	-5.73	0.33	21.95	0.509	438	-1364
20070117-528 S1B-50	24.61	-6.11	0.33	21.55	0.510	141	-1419
20070117-529 S1B-51	25.27	-5.47	0.33	22.21	0.519	-311	-1715
20070117-530 S1B-52	25.05	-5.68	0.33	22.00	0.459	-357	-1694
20070117-531 S1B-53	25.18	-5.56	0.33	22.12	0.404	-432	-1650
20070117-532 S1B-54	23.99	-6.72	0.33	20.93	0.614	-520	-1604
20070117-533 S1B-55	24.36	-6.36	0.33	21.30	0.615	-1131	-1493
20070117-534 S1AB UWC3 G3#151				9.66	0.702		
20070117-535 S1AB UWC3 G3#152				9.40	0.235		
20070117-536 S1AB UWC3 G3#153				9.44	0.495		
20070117-537 S1AB UWC3 G3#154				9.44	0.455		
Bracket STD 151-158	12.49	-17.87		9.53	0.26	-2.92	
20070117-538 S1B-56	23.85	-6.85	0.26	20.86	0.595	-1267	-1371
20070117-539 S1B-57	24.34	-6.37	0.26	21.35	0.271	-1439	-1781
20070117-540 S1B-58	24.00	-6.71	0.26	21.00	0.358	-1530	-1742
20070117-541 S1B-59	25.11	-5.62	0.26	22.12	0.454	-1782	-1679
20070117-542 S1B-60	25.58	-5.17	0.26	22.58	0.498	-1881	-1644
20070117-543 S1B-61	24.97	-5.76	0.26	21.98	0.380	-1960	-1595
20070117-544 S1B-62	24.59	-6.13	0.26	21.59	0.341	-2069	-1598
20070117-545 S1B-63	25.15	-5.59	0.26	22.15	0.422	-2277	-1527
20070117-546 S1B-64	25.18	-5.56	0.26	22.19	0.428	-2328	-1515
20070117-547 S1B-65	25.44	-5.30	0.26	22.45	0.555	-2440	-1508
20070117-548 S1B-66	24.90	-5.83	0.26	21.91	0.359	-2714	-1614
20070117-549 S1B-67	24.66	-6.06	0.26	21.67	0.344	-2758	-1582
20070117-550 S1B-68	25.70	-5.05	0.26	22.70	0.607	-3173	-1432
20070117-551 S1B-69	25.46	-5.29	0.26	22.46	0.476	-3481	-1578
20070117-552 S1B-70	25.47	-5.27	0.26	22.48	0.512	-3709	-1563

20070117-553 S1AB UWC3 G3#155				9.62	0.390		
20070117-554 S1AB UWC3 G3#156				9.49	0.727		
20070117-555 S1AB UWC3 G3#157				9.76	0.666		
20070117-556 S1AB UWC3 G3#158				9.45	0.337		
Bracket STD 155-162	12.49	-17.87		9.57	0.22	-2.89	
20070117-557 S1B-71	25.49	-5.26	0.22	22.53	0.341	-3762	-1525
20070117-558 S1B-72	24.91	-5.82	0.22	21.95	0.287	-3824	-1498
20070117-559 S1B-73	25.43	-5.31	0.22	22.47	0.621	-4055	-1491
20070117-560 S1B-74	25.12	-5.61	0.22	22.16	0.563	-4257	-1790
20070117-561 S1B-75	25.41	-5.34	0.22	22.45	0.466	-4544	-1669
20070117-562 S1B-76	24.83	-5.90	0.22	21.87	0.287	-4800	-1727
20070117-563 S1B-77	24.50	-6.22	0.22	21.54	0.238	-5001	-1744
20070117-564 S1B-78	25.40	-5.34	0.22	22.44	0.503	-5036	-1749
20070117-565 S1B-79	25.62	-5.13	0.22	22.66	0.306	-5073	-1736
20070117-566 S1B-80	25.02	-5.71	0.22	22.07	0.302	-5125	-1757
20070117-567 S1B-81	24.86	-5.87	0.22	21.91	0.265	-5236	-1671
20070117-568 S1B-82	25.22	-5.52	0.22	22.26	0.334	-5432	-1540
20070117-569 S1B-83	24.40	-6.31	0.22	21.45	0.410	-5561	-1482
20070117-570 S1B-84	24.81	-5.92	0.22	21.85	0.414	-5811	-1541
20070117-571 S1B-85	24.41	-6.31	0.22	21.45	0.466	-5919	-1413
20070117-572 S1AB UWC3 G3#159				9.59	0.375		
20070117-573 S1AB UWC3 G3#160				9.59	0.504		
20070117-574 S1AB UWC3 G3#161				9.43	0.427		
20070117-575 S1AB UWC3 G3#162				9.61	0.444		
Bracket STD 159-166	12.49	-17.87		9.49	0.38	-2.96	
20070117-576 S1B-86	24.35	-6.37	0.38	21.31	0.650	-5992	-1376
20070117-577 S1B-87	25.38	-5.36	0.38	22.34	0.577	-6155	-1390
20070117-578 S1B-88	23.64	-7.05	0.38	20.61	0.649	-6222	-1360
20070117-579 S1B-89	24.93	-5.80	0.38	21.90	0.563	-6437	-1212
20070117-580 S1B-90	24.13	-6.57	0.38	21.10	0.523	-6578	-1133

20070117-581 S1B-91	24.04	-6.66	0.38	21.01	0.613	-6568	-1138			
20070117-582 S1B-92	24.46	-6.25	0.38	21.43	0.555	-6800	-1295			
20070117-583 S1A-1	24.74	-5.98	0.38	21.71	0.188	-7176	1939	z-focus		
20070117-584 S1A-2	25.17	-5.57	0.38	22.13	0.378	-7078	1911			
20070117-585 S1A-3	24.79	-5.94	0.38	21.75	0.423	-6995	1888			
20070117-586 S1A-4	23.48	-7.21	0.38	20.45	0.381	-6782	2036			
20070117-587 S1A-5	24.19	-6.52	0.38	21.15	0.322	-6450	1988			
20070117-588 S1A-6	23.91	-6.79	0.38	20.88	0.385	-6388	1980	1.491	light	3
20070117-589 S1A-7	24.76	-5.96	0.38	21.73	0.450	-6192	1958	1.488	dark	3
20070117-590 S1A-8	24.21	-6.50	0.38	21.18	0.618	-5830	1995			
20070117-591 S1AB UWC3 G3#163				9.26	0.472				z-focus	
20070117-592 S1AB UWC3 G3#164				9.63	0.245					
20070117-593 S1AB UWC3 G3#165				9.66	0.365					
20070117-594 S1AB UWC3 G3#166				9.16	0.530					
Bracket STD 163-170	12.49	-17.87		9.43	0.40	-3.02				
20070117-595 S1A-9	25.20	-5.54	0.40	22.11	0.523	-5734	1997			
20070117-596 S1A-10	24.36	-6.35	0.40	21.27	0.423	-5708	1989			
20070117-597 S1A-11	25.07	-5.66	0.40	21.98	0.225	-5597	1972			
20070117-598 S1A-12	23.95	-6.75	0.40	20.86	0.507	-5382	1935			
20070117-599 S1A-13	24.13	-6.58	0.40	21.04	0.378	-5154	1864			
20070117-600 S1A-14	25.23	-5.51	0.40	22.14	0.396	-4854	1762			
20070117-601 S1A-15	24.55	-6.17	0.40	21.45	0.433	-4774	1777			
20070117-602 S1A-16	25.34	-5.40	0.40	22.25	0.381	-4707	1772			
20070117-603 S1A-17	24.94	-5.80	0.40	21.84	0.589	-4596	1739			
20070117-604 S1A-18	24.81	-5.92	0.40	21.72	0.590	-4535	1707			
20070117-605 S1A-19	24.36	-6.36	0.40	21.26	0.327	-4332	1907			
20070117-606 S1A-20	25.10	-5.63	0.40	22.01	0.462	-4216	1785			
20070117-607 S1A-21	25.06	-5.67	0.40	21.97	0.509	-4013	1781	1.263	light	7
20070117-608 S1A-22	25.72	-5.04	0.40	22.62	0.502	-3769	1740	1.223	dark	7
20070117-609 S1A-23	25.02	-5.71	0.40	21.93	0.490	-3582	1854			

20070117-610 S1AB UWC3 G3#167				9.33	0.333		
20070117-611 S1AB UWC3 G3#168				9.38	0.543		
20070117-612 S1AB UWC3 G3#169				9.68	0.515		
20070117-613 S1AB UWC3 G3#170				9.38	0.572		
Bracket STD 167-174	12.49	-17.87		9.49	0.39	-2.96	
20070117-614 S1A-24	25.63	-5.12	0.39	22.59	0.701	-3510	1804
20070117-615 S1A-25	25.34	-5.40	0.39	22.30	0.639	-3414	1966
20070117-616 S1A-26	24.73	-5.99	0.39	21.69	0.355	-3321	1928
20070117-617 S1A-27	24.70	-6.03	0.39	21.66	0.641	-2933	1730
20070117-618 S1A-28	23.59	-7.10	0.39	20.55	0.402	-2780	1786
20070117-619 S1A-29	24.32	-6.39	0.39	21.28	0.317	-2699	1804
20070117-620 S1A-30	24.99	-5.74	0.39	21.95	0.577	-2636	1781
20070117-621 S1A-31	24.83	-5.89	0.39	21.80	0.486	-2415	1796
20070117-622 S1A-32	25.17	-5.57	0.39	22.13	0.532	-2359	1928
20070117-623 S1A-33	24.64	-6.09	0.39	21.60	0.525	-2245	1916
20070117-624 S1A-34	24.84	-5.89	0.39	21.80	0.393	-1925	1927
20070117-625 S1A-35	24.61	-6.11	0.39	21.57	0.454	-1761	1890
20070117-626 S1A-36	24.85	-5.88	0.39	21.81	0.511	-1627	1892
20070117-627 S1A-37	25.04	-5.70	0.39	22.00	0.482	-1463	1893
20070117-628 S1A-38	25.03	-5.70	0.39	22.00	0.509	-1257	1910
20070117-629 S1AB UWC3 G3#171				9.50	0.394		
20070117-630 S1AB UWC3 G3#172				9.89	0.637		
20070117-631 S1AB UWC3 G3#173				9.38	0.621		
20070117-632 S1AB UWC3 G3#174				9.37	0.527		
Bracket STD 171-178	12.49	-17.87		9.41	0.44	-3.04	
20070117-633 S1A-39	25.03	-5.71	0.44	21.91	0.656	-1135	1910
20070117-634 S1A-40	25.07	-5.67	0.44	21.95	0.826	-1003	1978
20070117-635 S1A-41	24.99	-5.74	0.44	21.87	0.419	-772	2005
20070117-636 S1A-42	25.26	-5.48	0.44	22.14	0.377	-544	1971
20070117-637 S1A-43	24.49	-6.23	0.44	21.37	0.444	-369	1950

20070117-638 S1A-44	25.26	-5.48	0.44	22.14	0.858	-248	1936
20070117-639 S1A-45	24.41	-6.30	0.44	21.29	0.712	-21	1943
20070117-640 S1A-46	25.07	-5.67	0.44	21.95	0.240	170	1877
20070117-641 S1A-47	24.12	-6.58	0.44	21.01	0.417	237	1873
20070117-642 S1A-48	24.43	-6.28	0.44	21.31	0.575	354	1875
20070117-643 S1A-49	25.30	-5.44	0.44	22.18	0.516	487	1833
20070117-644 S1A-50	24.68	-6.04	0.44	21.56	0.409	584	1811
20070117-645 S1A-51	25.45	-5.30	0.44	22.32	0.626	703	1814
20070117-646 S1A-52	25.03	-5.70	0.44	21.91	0.377	784	1770
20070117-647 S1A-53	23.83	-6.87	0.44	20.71	0.565	827	1805
20070117-648 S1AB UWC3 G3#175				9.15	0.397		
20070117-649 S1AB UWC3 G3#176				9.26	0.430		
20070117-650 S1AB UWC3 G3#177				9.38	0.343		
20070117-651 S1AB UWC3 G3#178				9.35	0.472		
Bracket STD 175-182	12.49	-17.87		9.41	0.35	-3.04	
20070117-652 S1A-54	24.40	-6.31	0.35	21.29	0.594	885	1709
20070117-653 S1A-55	24.86	-5.87	0.35	21.75	0.357	984	1716
20070117-654 S1A-56	24.97	-5.76	0.35	21.86	0.249	1008	1680
20070117-655 S1A-57	25.36	-5.38	0.35	22.25	0.361	1112	1659
20070117-656 S1A-58	23.59	-7.10	0.35	20.48	0.429	1291	1650
20070117-657 S1A-59	23.52	-7.17	0.35	20.41	0.617	1374	1634
20070117-658 S1A-60	24.76	-5.97	0.35	21.65	0.661	1442	1625
20070117-659 S1A-61	24.91	-5.82	0.35	21.80	0.382	1612	1643
20070117-660 S1A-62	24.23	-6.48	0.35	21.12	0.342	1748	1650
20070117-661 S1A-63	24.70	-6.03	0.35	21.59	0.443	1811	1791
20070117-662 S1A-64	24.52	-6.19	0.35	21.41	0.575	1937	1860
20070117-663 S1A-65	24.40	-6.32	0.35	21.29	0.476	2148	1782
20070117-664 S1A-66	23.78	-6.91	0.35	20.68	0.471	2201	1725
20070117-665 S1A-67	23.84	-6.86	0.35	20.73	0.549	2514	1706
20070117-666 S1A-68	24.61	-6.11	0.35	21.50	0.493	2644	1680

20070117-667 S1AB UWC3 G3#179				9.72	0.475					
20070117-668 S1AB UWC3 G3#180				9.51	0.337					
20070117-669 S1AB UWC3 G3#181				9.50	0.419					
20070117-670 S1AB UWC3 G3#182				9.45	0.535					
Bracket STD 179-186	12.49	-17.87	0.22	9.58	0.22	-2.87				
20070117-671 S1A-69	25.02	-5.72	0.22	22.07	0.528		2678	1740		
20070117-672 S1A-70	24.28	-6.43	0.22	21.34	0.758		2718	1709		
20070117-673 S1A-71	24.63	-6.09	0.22	21.69	0.515		2788	1685	0.903	light
20070117-674 S1A-72	24.97	-5.76	0.22	22.02	0.317		2923	1655		
20070117-675 S1A-73	25.21	-5.53	0.22	22.27	0.536		3016	1648	0.897	dark
20070117-676 S1A-74	23.92	-6.78	0.22	20.98	0.374		3121	1661		
20070117-677 S1A-75	24.99	-5.74	0.22	22.04	0.525		3209	1660		
20070117-678 S1A-76	24.67	-6.05	0.22	21.73	0.604		3291	1618		
20070117-679 S1B-93	24.93	-5.80	0.22	21.99	0.566		-4999	-1486		
20070117-680 S1B-94	25.22	-5.52	0.22	22.28	0.538		-5042	-1472		
20070117-681 S1B-95	25.64	-5.11	0.22	22.70	0.708		-5042	-1472		
20070117-682 S1B-96	25.45	-5.30	0.22	22.50	0.540		-5068	-1467		
20070117-683 S1B-97	24.50	-6.21	0.22	21.56	0.426		-5109	-1451		
20070117-684 S1B-98	25.13	-5.61	0.22	22.18	0.656		-5109	-1451		
20070117-685 S1B-99	25.50	-5.25	0.22	22.56	0.417		-5155	-1434		
20070117-686 S1B-100	25.44	-5.31	0.22	22.49	0.401		-5174	-1423		
20070117-687 S1B-101	25.11	-5.63	0.22	22.16	0.492		-6033	-1485		
20070117-688 S1B-102	25.19	-5.55	0.22	22.25	0.730		-6198	-1480		
20070117-689 S1B-103	24.05	-6.66	0.22	21.11	0.463		-6228	-1480		
20070117-690 S1B-104	23.92	-6.78	0.22	20.98	0.413		-6255	-1492		
20070117-691 S1B-105	24.44	-6.28	0.22	21.49	0.393		-6293	-1495		
20070117-692 S1AB UWC3 G3#183				9.72	0.579					
20070117-693 S1AB UWC3 G3#184				9.47	0.547					
20070117-694 S1AB UWC3 G3#185				9.65	0.531					
20070117-695 S1AB UWC3 G3#186				9.62	0.488					

New Analysis Session

mount: S1E_S2

20070620-142	S1E_S2 UWC3 G3#01				8.34	0.26						
20070620-143	S1E_S2 UWC3 G3#02				8.59	0.26						
20070620-144	S1E_S2 UWC3 G3#03				8.26	0.23						
20070620-145	S1E_S2 UWC3 G3#04				8.25	0.20						
20070620-146	S1E_S2 UWC3 G3#05				8.15	0.25						
	Bracket STD 1-10	12.49	-17.87		8.53	0.55	-3.91					
20070620-147	S1E-01	22.45	-8.21	0.55	18.45	0.29	3739	-7856	2.142	light		
20070620-148	S1E-02	22.24	-8.41	0.55	18.24	0.30	3732	-7809	2.140	light	57	
20070620-149	S1E-03	23.39	-7.29	0.55	19.39	0.28	3758	-7442	2.127	dark	57	
20070620-150	S1E-04	23.36	-7.32	0.55	19.36	0.26	3753	-7376	2.125	light		
20070620-151	S1E-05	22.86	-7.81	0.55	18.86	0.28	3626	-7528	2.130	light	58	
20070620-152	S1E-06	24.42	-6.30	0.55	20.41	0.29	3695	-7159	2.117	dark	58	
20070620-153	S1E-07	23.10	-7.58	0.55	19.09	0.25	3646	-7112	2.115	light	59	
20070620-154	S1E-08	23.36	-7.33	0.55	19.35	0.26	3546	-7036				
20070620-155	S1E-09	23.30	-7.38	0.55	19.29	0.29	3518	-6975	2.110	dark		
20070620-156	S1E-10	24.75	-5.97	0.55	20.74	0.31	3753	-6870	2.107	dark	59	
20070620-157	S1E_S2 UWC3 G3#06				8.78	0.24						
20070620-158	S1E_S2 UWC3 G3#07				8.81	0.31						
20070620-159	S1E_S2 UWC3 G3#08				8.46	0.28						
20070620-160	S1E_S2 UWC3 G3#09				8.74	0.22						
20070620-161	S1E_S2 UWC3 G3#10				8.90	0.27						
	Bracket STD 6-10, 20-23	12.49	-17.87		8.76	0.25	-3.68					
20070620-162	S1E-11	23.72	-6.98	0.25	19.95	0.24	3678	-6846	2.106	light		
20070620-163	S1E-12	23.91	-6.79	0.25	20.14	0.27	3721	-6545	2.095	dark		
20070620-164	S1E-13	23.62	-7.07	0.25	19.85	0.31	3641	-6558	2.096	dark		
20070620-165	S1E-14	23.04	-7.63	0.25	19.28	0.33	3754	-6515	2.094	light	60	

20070620-166 S1E-15	22.82	-7.85	0.25	19.06	0.25	3856	-6201	2.083	dark	
20070620-167 S1E-16	23.65	-7.05	0.25	19.88	0.23	3818	-6162	2.082	dark	60
20070620-168 S1E-17	24.43	-6.29	0.25	20.66	0.31	3785	-6145	2.081	light	
20070620-169 S1E-18	22.23	-8.42	0.25	18.47	0.26	3755	-5368	2.054	light	61
20070620-170 S1E-19	24.34	-6.37	0.25	20.58	0.31	3832	-5113			
20070620-171 S1E-20	23.33	-7.35	0.25	19.56	0.28	3794	-5065	2.043	light	
20070620-172 S1E_S2 UWC3 G3#20				8.87	0.31					
20070620-173 S1E_S2 UWC3 G3#21				8.74	0.28					
20070620-174 S1E_S2 UWC3 G3#22				8.81	0.27					
20070620-175 S1E_S2 UWC3 G3#23				8.77	0.22					
Bracket STD 20-28	12.49	-17.87		8.83	0.17	-3.62				
20070620-176 S1E-21	23.31	-7.38	0.17	19.61	0.28	3678	-5074	2.043	light	
20070620-177 S1E-22	22.62	-8.05	0.17	18.92	0.30	3735	-4791			
20070620-178 S1E-23	23.70	-6.99	0.17	20.00	0.26	3737	-4760			
20070620-179 S1E-24	23.53	-7.16	0.17	19.83	0.23	3558	-4713			
20070620-180 S1E-25	22.21	-8.44	0.17	18.51	0.30	3694	-4142	2.010	light	63
20070620-181 S1E-26	23.32	-7.36	0.17	19.62	0.20	3564	-3809	1.998	dark	63
20070620-182 S1E-27	23.15	-7.53	0.17	19.45	0.45	3579	-3763	1.997	light	64
20070620-183 S1E-28	23.80	-6.90	0.17	20.10	0.48	3565	-3719	1.995	dark	64
20070620-184 S1E-29	22.25	-8.40	0.17	18.56	0.31	3562	-3684	1.994	light	65
20070620-185 S1E-30	23.79	-6.90	0.17	20.09	0.29	3489	-3567	1.990	dark	65
20070620-186 S1E-31	23.25	-7.43	0.17	19.55	0.30	3481	-3472	1.986	light	
20070620-187 S1E-32	23.44	-7.25	0.17	19.74	0.30	3670	-3392	1.983	light	
20070620-188 S1E-33	23.69	-7.00	0.17	19.99	0.26	3776	-2930	1.967	dark	
20070620-189 S1E-34	22.85	-7.82	0.17	19.15	0.22	3253	-2898	1.966	light	
20070620-190 S1E_S2 UWC3 G3#24				9.00	0.28					
20070620-191 S1E_S2 UWC3 G3#25				8.92	0.24					
20070620-192 S1E_S2 UWC3 G3#26				8.79	0.32					
20070620-193 S1E_S2 UWC3 G3#27				8.75	0.33					
20070620-194 S1E_S2 UWC3 G3#28				8.82	0.24					

	12.49	-17.87		8.92	0.33	-3.52					
20070620-195 S1E-35	23.68	-7.01	0.33	20.07	0.25		3446	-2369	1.947	dark	
20070620-196 S1E-36	23.50	-7.19	0.33	19.89	0.31		2305	-2447			
20070620-197 S1E-37	23.23	-7.45	0.33	19.63	0.31		731	-2599	1.944	light	68
20070620-198 S1E-38	23.15	-7.53	0.33	19.55	0.28		787	-2419	1.939	dark	
20070620-199 S1E-39	23.68	-7.01	0.33	20.08	0.31		778	-2438	1.939	dark	68
20070620-200 S1E-40	23.56	-7.13	0.33	19.96	0.28		-186	-2790	1.943	light	69
20070620-201 S1E-41	23.60	-7.09	0.33	20.00	0.31		-262	-2760	1.942	light	
20070620-202 S1E-42	24.18	-6.53	0.33	20.57	0.22		-199	-2561	1.938	dark	69
20070620-203 S1E-43	23.65	-7.05	0.33	20.04	0.28		-346	-2528	1.937	light	
20070620-204 S1E-44	22.60	-8.06	0.33	18.99	0.32		-928	-2639	1.936	light	70
20070620-205 S1E-45	24.02	-6.68	0.33	20.42	0.20		-965	-2398	1.934	dark	
20070620-206 S1E-46	24.41	-6.30	0.33	20.80	0.34		-1709	-2464	1.932	dark	70
20070620-207 S1E-47	23.55	-7.14	0.33	19.94	0.34		-1745	-2457	1.931	light	
20070620-208 S1E-48	22.84	-7.83	0.33	19.24	0.28		-2606	-2743	1.931	light	71
20070620-209 S1E-49	23.30	-7.39	0.33	19.69	0.27		-2682	-2614	1.926	dark	71
20070620-210 S1E-50	24.10	-6.61	0.33	20.49	0.28		-2729	-2514	1.920	dark	
20070620-211 S1E_S2 UWC3 G3#29				8.83	0.29						
20070620-212 S1E_S2 UWC3 G3#30				9.01	0.24						
20070620-213 S1E_S2 UWC3 G3#31				9.26	0.25						
											primary beam adjusted following this analysis
	12.49	-17.87		8.62	0.24	-3.82					
20070620-217 S1E_S2 UWC3 G3#35				8.54	0.30						
20070620-218 S1E_S2 UWC3 G3#36				8.66	0.30						
20070620-219 S1E_S2 UWC3 G3#37				8.45	0.34						
20070620-220 S1E_S2 UWC3 G3#38				8.44	0.29						
20070620-221 S1E-51	22.38	-8.27	0.24	18.47	0.30		-2746	-2462	1.920	light	72
20070620-222 S1E-52	23.31	-7.37	0.24	19.40	0.20		-2778	-2423	1.919	dark	72
20070620-223 S1E-53	22.98	-7.69	0.24	19.07	0.25		-2813	-2385	1.918	light	73
20070620-224 S1E-54	23.19	-7.49	0.24	19.28	0.23		-4040	-2309			
20070620-225 S1E-55	23.61	-7.08	0.24	19.69	0.25		-4881	-2599	1.907	light	

20070620-226 S1E-56	23.73	-6.97	0.24	19.81	0.24	-4991	-2539	1.905	light	74
20070620-227 S1E-57	24.14	-6.57	0.24	20.22	0.28	-5204	-2319	1.899	dark	74
20070620-228 S1E-58	23.83	-6.87	0.24	19.91	0.23	-5216	-2233			
20070620-229 S1E-59	23.54	-7.15	0.24	19.63	0.25	-6059	-2196	1.888	dark	
20070620-230 S1E-60	23.64	-7.06	0.24	19.72	0.20	-6172	-2237			
20070620-231 S1E_S2 UWC3 G3#39				8.74	0.26					
20070620-232 S1E_S2 UWC3 G3#40				8.62	0.30					
20070620-233 S1E_S2 UWC3 G3#41				8.66	0.25					
20070620-234 S1E_S2 UWC3 G3#42				8.70	0.37					
20070620-235 S1E_S2 UWC3 G3#43				8.76	0.30					

new mount: S1CD

sample change

Bracket STD 1-11

12.49 -17.87 8.40 0.78 -4.04

20070620-236 S1CD UWC3 G3#01				7.91	0.22					
20070620-237 S1CD UWC3 G3#02				7.87	0.22					
20070620-238 S1CD UWC3 G3#03				7.97	0.30					
20070620-239 S1CD UWC3 G3#04				8.08	0.25					
20070620-240 S1D-01	24.46	-6.26	0.78	20.32	0.31	-5540	2191	1.891	dark	
20070620-241 S1D-02	23.81	-6.89	0.78	19.67	0.37	-5557	2138	1.890	light	
20070620-242 S1D-03	24.84	-5.89	0.78	20.70	0.35	-5332	2111	1.888	dark	
20070620-243 S1D-04	24.72	-6.01	0.78	20.58	0.34	-5306	2072			
20070620-244 S1D-05	25.28	-5.47	0.78	21.14	0.29	-4553	1908	1.878	dark	
20070620-245 S1D-06	24.17	-6.54	0.78	20.03	0.36	-4457	1908	1.877	light	
20070620-246 S1D-07	25.22	-5.52	0.78	21.08	0.19	-4444	1986	1.878	dark	
20070620-247 S1D-08	23.77	-6.93	0.78	19.64	0.25	-4364	1979	1.877	light	
20070620-248 S1D-09	25.37	-5.38	0.78	21.23	0.25	-4273	2113	1.878	dark	45
20070620-249 S1D-10	24.13	-6.58	0.78	20.00	0.16	-4164	2130	1.877	light	
20070620-250 S1D-11	25.60	-5.16	0.78	21.46	0.24	-3965	1706	1.873	dark	46
20070620-251 S1D-12	24.70	-6.03	0.78	20.56	0.24	-3482	1885	1.871	light	49
20070620-252 S1D-13	25.54	-5.21	0.78	21.40	0.22	-3378	1762	1.870	dark	49

20070620-253 S1D-14	24.73	-5.99	0.78	20.59	0.27	-3324	1736	1.869	light	50
20070620-254 S1D-15	25.09	-5.65	0.78	20.95	0.27	-3152	1533	1.861	dark	50
20070620-255 S1CD UWC3 G3#05				8.44	0.25					
20070620-256 S1CD UWC3 G3#06				8.78	0.27					
20070620-257 S1CD UWC3 G3#07				8.87	0.27					
20070620-258 S1CD UWC3 G3#08				8.40	0.26					
20070620-259 S1CD UWC3 G3#09				8.50	0.28					
20070620-260 S1CD UWC3 G3#10				8.81	0.21					
20070620-261 S1CD UWC3 G3#11				8.81	0.24					
Bracket STD 5-11, 13-16	12.49	-17.87		8.74	0.45	-3.70				
20070620-262 S1D-16	24.03	-6.68	0.45	20.24	0.30	-1900	1639	1.845	light	
20070620-263 S1D-17	24.75	-5.97	0.45	20.96	0.31	-1655	1278	1.841	dark	
20070620-264 S1D-18	23.79	-6.90	0.45	20.00	0.36	-1613	1279	1.841	light	53
20070620-265 S1D-19	24.90	-5.83	0.45	21.10	0.19	-659	1369	1.833	dark	53
20070620-266 S1D-20	23.65	-7.05	0.45	19.85	0.22	-564	1309	1.832	light	54
20070620-267 S1D-21	25.19	-5.54	0.45	21.40	0.26	77	1124	1.823	dark	54
20070620-268 S1D-22	24.28	-6.43	0.45	20.49	0.21	313	1029	1.821	light	
20070620-269 S1D-23	24.51	-6.20	0.45	20.72	0.22	1336	1128	1.811	dark	
20070620-270 S1D-24	23.58	-7.11	0.45	19.79	0.27	1423	1002	1.807	light	55
20070620-271 S1D-25	24.55	-6.17	0.45	20.76	0.28	2242	774	1.796	dark	55
20070620-272 S1D-26	23.98	-6.72	0.45	20.19	0.24	3063	932	1.788	light	56
20070620-273 S1D-27	24.28	-6.43	0.45	20.49	0.24	3181	748	1.785	dark	56
20070620-274 S1D-28	24.02	-6.68	0.45	20.23	0.30	3434	864	1.784	light	
20070620-275 S1D-29	24.84	-5.89	0.45	21.04	0.23	4028	803	1.776	dark	
20070620-276 S1CD UWC3 G3#12				7.54	0.86					crack?
20070620-277 S1CD UWC3 G3#13				8.58	0.28					
20070620-278 S1CD UWC3 G3#14				8.92	0.36					
20070620-279 S1CD UWC3 G3#15				9.05	0.31					
20070620-280 S1CD UWC3 G3#16				8.99	0.22					

break in analysis

	Bracket STD 21-30	12.49	-17.87		8.87	0.37	-3.57					
20070621-182	S1CD UWC3 G3#21				8.71	0.19						
20070621-183	S1CD UWC3 G3#22				8.76	0.28						
20070621-184	S1CD UWC3 G3#23				8.91	0.23						
20070621-185	S1CD UWC3 G3#24				8.81	0.26						
20070621-186	S1CD UWC3 G3#25				9.00	0.24						
20070621-187	S1C-01	24.78	-5.94	0.37	21.12	0.24	3479	-3022	1.775	dark		
20070621-188	S1C-02	23.72	-6.97	0.37	20.06	0.30	3282	-2871	1.771	light	36	
20070621-189	S1C-03	24.78	-5.95	0.37	21.11	0.24	2899	-2813	1.766	dark	36	
20070621-190	S1C-04	24.61	-6.11	0.37	20.95	0.21	2503	-2922	1.762	light		
20070621-191	S1C-05	24.47	-6.25	0.37	20.81	0.28	2452	-2952				
20070621-192	S1C-06	23.77	-6.92	0.37	20.11	0.24	2412	-2911	1.761	light	37	
20070621-193	S1C-07	24.37	-6.34	0.37	20.71	0.24	2078	-3018	1.758	dark	37	
20070621-194	S1C-08	24.48	-6.24	0.37	20.82	0.18	1908	-2962				
20070621-195	S1C-09	24.39	-6.33	0.37	20.73	0.26	1726	-2901				
20070621-196	S1C-10	23.97	-6.73	0.37	20.32	0.29	1727	-2771				
20070621-197	S1CD UWC3 G3#26				9.04	0.27						
20070621-198	S1CD UWC3 G3#27				9.20	0.28						
20070621-199	S1CD UWC3 G3#28				8.98	0.30						
20070621-200	S1CD UWC3 G3#29				8.71	0.21						
20070621-201	S1CD UWC3 G3#30				8.60	0.28						
	Bracket STD 26-32	12.49	-17.87		8.95	0.43	-3.50					
20070621-202	S1C-11	24.78	-5.94	0.43	21.20	0.23	1210	-2712	1.749	dark		
20070621-203	S1C-12	23.41	-7.27	0.43	19.84	0.23	1117	-2630	1.748	light	38	
20070621-204	S1C-13	24.98	-5.76	0.43	21.39	0.28	817	-2881	1.747	dark	38	
20070621-205	S1C-14	23.38	-7.31	0.43	19.80	0.32	762	-2848	1.746	light	39	
20070621-206	S1C-15	24.66	-6.07	0.43	21.08	0.23	200	-2758	1.741	dark	39	
20070621-207	S1C-16	23.80	-6.90	0.43	20.22	0.26	144	-2758	1.741	light	40	
20070621-208	S1C-17	25.09	-5.65	0.43	21.50	0.24	-464	-2480	1.732	dark	40	

20070621-209 S1C-18	23.64	-7.05	0.43	20.07	0.24	-506	-2462	1.731	light	41
20070621-210 S1C-19	24.89	-5.84	0.43	21.31	0.26	-993	-2686	1.723	dark	
20070621-211 S1C-20	23.71	-6.98	0.43	20.14	0.19	-1014	-2671	1.722	light	
20070621-212 S1CD UWC3 G3#31				9.05	0.14					
										primary beam current drops suddenly after this analysis, soon restabilizes
20070621-213 S1CD UWC3 G3#32				9.08	0.20					
Bracket STD 36-46	12.49	-17.87		9.24	0.52	-3.21				
20070621-217 S1CD UWC3 G3#36				9.36	0.34					
20070621-218 S1CD UWC3 G3#37				9.05	0.28					
20070621-219 S1CD UWC3 G3#38				8.93	0.27					
20070621-220 S1CD UWC3 G3#39				8.81	0.29					
20070621-221 S1CD UWC3 G3#40				9.20	0.34					
20070621-222 S1C-21	25.41	-5.34	0.52	22.12	0.28	-1522	-2318	1.716	dark	42
20070621-223 S1C-22	24.85	-5.88	0.52	21.56	0.34	-1566	-2326			
20070621-224 S1C-23	24.27	-6.44	0.52	20.98	0.37	-1757	-2469	1.715	light	
20070621-225 S1C-24	25.35	-5.39	0.52	22.06	0.27	-1927	-2321	1.713	dark	
20070621-226 S1C-25	24.77	-5.95	0.52	21.49	0.42	-2378	-2451			
20070621-227 S1C-26	24.42	-6.29	0.52	21.14	0.44	-3009	-2485	1.694	dark	
20070621-228 S1C-27	24.10	-6.60	0.52	20.82	0.32	-3072	-2502	1.693	light	43
20070621-229 S1C-28	24.66	-6.07	0.52	21.37	0.20	-3153	-2504	1.692	dark	43
20070621-230 S1C-29	23.79	-6.91	0.52	20.51	0.40	-3196	-2452	1.692	light	44
20070621-231 S1C-30	24.82	-5.91	0.52	21.53	0.25	-4064	-2348	1.680	dark	44
20070621-232 S1C-31	24.39	-6.32	0.52	21.10	0.41	-4118	-2312			
20070621-233 S1C-32	24.04	-6.66	0.52	20.75	0.30	-4968	-2102	1.666	dark	
20070621-234 S1CD UWC3 G3#41				9.12	0.33					
20070621-235 S1CD UWC3 G3#42				9.38	0.28					
20070621-236 S1CD UWC3 G3#43				9.75	0.35					
20070621-237 S1CD UWC3 G3#44				9.39	0.43					
20070621-238 S1CD UWC3 G3#45				9.28	0.37					

20070621-239 S1CD UWC3 G3#46

9.38 0.25

new mount: S1AB

sample change

Bracket STD 6-15

12.49 -17.87

9.29 0.47 -3.16

20070621-245 S1AB UWC3 G3#06

9.27 0.22

20070621-246 S1AB UWC3 G3#07

9.05 0.25

20070621-247 S1AB UWC3 G3#08

9.17 0.21

20070621-248 S1AB UWC3 G3#09

9.14 0.27

20070621-249 S1AB UWC3 G3#10

8.91 0.24

20070621-250 S1B-01

23.52 -7.16

0.47

20.29 0.37

-6886 1925

1.658 light

17

20070621-251 S1B-02

24.55 -6.17

0.47

21.31 0.22

-6831 1919

1.657 dark

17

20070621-252 S1B-03

24.40 -6.31

0.47

21.16 0.25

-6722 1959

1.656 dark

20070621-253 S1B-04

23.11 -7.57

0.47

19.87 0.28

-6684 1927

1.656 light

20070621-254 S1B-05

24.17 -6.54

0.47

20.93 0.14

-6230 1939

1.650 dark

20070621-255 S1B-06

24.22 -6.49

0.47

20.98 0.25

-6195 1984

20070621-256 S1B-07

23.34 -7.34

0.47

20.10 0.24

-6172 1946

1.649 light

20070621-257 S1B-08

23.97 -6.74

0.47

20.73 1.06

-5857 1911

1.645 dark

20070621-258 S1B-09

23.81 -6.88

0.47

20.58 0.25

-5807 1888

1.644 light

25

20070621-259 S1B-10

24.00 -6.71

0.47

20.76 0.22

-5935 1671

1.644 light

20070621-260 S1AB UWC3 G3#11

9.47 0.28

20070621-261 S1AB UWC3 G3#12

9.63 0.34

20070621-262 S1AB UWC3 G3#13

9.25 0.26

20070621-263 S1AB UWC3 G3#14

9.56 0.27

20070621-264 S1AB UWC3 G3#15

9.43 0.20

Bracket STD 11-19

12.49 -17.87

9.39 0.34 -3.06

20070621-265 S1B-11

24.57 -6.15

0.34

21.44 0.31

-5216 1549

1.638 dark

25

20070621-266 S1B-12

23.79 -6.91

0.34

20.65 0.24

-5112 1564

20070621-267 S1B-13

24.99 -5.75

0.34

21.85 0.19

-4649 1697

1.635 dark

20070621-268 S1B-14

24.01 -6.69

0.34

20.88 0.21

-4611 1650

1.634 light

20070621-269 S1B-15

24.56 -6.16

0.34

21.43 0.32

-4231 1459

1.623 dark

20070621-270 S1B-16	24.47	-6.25	0.34	21.33	0.22	-4185	1438	1.622	light	
20070621-271 S1B-17	24.95	-5.78	0.34	21.82	0.28	-3105	1651	1.612	dark	
20070621-272 S1B-18	24.12	-6.59	0.34	20.98	0.27	-3016	1557	1.607	light	29
20070621-273 S1B-19	25.04	-5.70	0.34	21.90	0.23	-2460	1904	1.603	dark	29
20070621-274 S1B-20	24.46	-6.26	0.34	21.32	0.28	-2386	1771	1.601	light	
20070621-275 S1AB UWC3 G3#16				9.28	0.57					
20070621-276 S1AB UWC3 G3#17				9.10	0.24					
20070621-277 S1AB UWC3 G3#18				9.49	0.22					
20070621-278 S1AB UWC3 G3#19				9.30	0.22					
Bracket STD 16-24	12.49	-17.87		9.39	0.32	-3.06				
20070621-279 S1B-21	24.37	-6.35	0.32	21.23	0.26	-1558	1688	1.585	dark	
20070621-280 S1B-22	24.61	-6.11	0.32	21.48	0.30	-1486	1633	1.583	light	
20070621-281 S1B-23	24.91	-5.82	0.32	21.77	0.36	-919	1731	1.578	dark	
20070621-282 S1B-24	24.49	-6.23	0.32	21.36	0.30	-850	1739	1.578	light	
20070621-283 S1B-25	24.75	-5.98	0.32	21.61	0.26	-632	1606	1.576	dark	
20070621-284 S1B-26	24.87	-5.86	0.32	21.74	0.29	13	1715	1.570	light	
20070621-285 S1B-27	25.28	-5.46	0.32	22.15	0.22	783	1701	1.557	dark	
20070621-286 S1B-28	24.64	-6.09	0.32	21.50	0.31	2230	1873	1.537	light	
20070621-287 S1B-29	24.71	-6.01	0.32	21.58	0.30	2592	1904	1.533	dark	
20070621-288 S1B-30	24.39	-6.33	0.32	21.26	0.31	2649	1916	1.533	light	
20070621-289 S1AB UWC3 G3#20				9.38	0.20					
20070621-290 S1AB UWC3 G3#21				9.62	0.28					
20070621-291 S1AB UWC3 G3#22				9.56	0.27					
20070621-292 S1AB UWC3 G3#23				9.45	0.26					
20070621-293 S1AB UWC3 G3#24				9.35	0.24					
Bracket STD 20-28	12.49	-17.87		9.50	0.22	-2.96				
20070621-294 S1B-31	25.16	-5.58	0.22	22.13	0.24	2814	1749			
20070621-295 S1B-32	24.49	-6.23	0.22	21.46	0.26	2868	1749	1.530	light	31
20070621-296 S1B-33	24.95	-5.79	0.22	21.92	0.34	2984	1818	1.529	dark	31
20070621-297 S1AB UWC3 G3#25				9.63	0.23					

20070621-298 S1AB UWC3 G3#26	9.37	0.23
20070621-299 S1AB UWC3 G3#27	9.52	0.23
20070621-300 S1AB UWC3 G3#28	9.59	0.32

break in analysis

Bracket STD 33-40	12.49	-17.87	9.00	0.15	-3.45					
20070622-164 S1AB UWC3 G3#33			8.99	0.20						
20070622-165 S1AB UWC3 G3#34			8.96	0.30						
20070622-166 S1AB UWC3 G3#35			8.97	0.20						
20070622-167 S1AB UWC3 G3#36			8.99	0.25						
20070622-168 S1B-34	23.67	-7.02	0.15	20.14	0.21	3308	1501	1.519	light	33
20070622-169 S1B-35	25.09	-5.64	0.15	21.56	0.23	3240	1494	1.520	dark	
20070622-170 S1B-36	24.85	-5.88	0.15	21.31	0.30	3570	1372	1.515	dark	33
20070622-171 S1B-37	23.31	-7.37	0.15	19.78	0.23	3632	1335	1.514	light	34
20070622-172 S1B-38	24.31	-6.41	0.15	20.78	0.24	3951	1476	1.511	dark	34
20070622-173 S1B-39	24.87	-5.86	0.15	21.34	0.23	3990	1436	1.510	light	
20070622-174 S1B-40	25.14	-5.59	0.15	21.61	0.25	2529	2005	1.534	dark	35
20070622-175 S1B-41	24.36	-6.35	0.15	20.83	0.22	2612	1966	1.533	light	
20070622-176 S1B-42	24.84	-5.89	0.15	21.31	0.21	2128	1468	1.536	dark	
20070622-177 S1B-43	24.59	-6.13	0.15	21.06	0.23	2223	1451	1.535	light	35
20070622-178 S1AB UWC3 G3#37			8.88	0.25						
20070622-179 S1AB UWC3 G3#38			9.08	0.18						
20070622-180 S1AB UWC3 G3#39			8.99	0.24						
20070622-181 S1AB UWC3 G3#40			9.13	0.22						
Bracket STD 37-45	12.49	-17.87	9.15	0.34	-3.29					
20070622-182 S1A-01	23.98	-6.72	0.34	20.61	0.20	4435	-1731	1.507	light	1
20070622-183 S1A-02	24.92	-5.81	0.34	21.54	0.20	4313	-1650	1.505	dark	1
20070622-184 S1A-03	24.26	-6.45	0.34	20.88	0.27	4098	-1842	1.503	light	
20070622-185 S1A-04	24.12	-6.58	0.34	20.75	0.30	4003	-1847	1.502	light	
20070622-186 S1A-05	23.53	-7.16	0.34	20.16	0.21	3945	-1808	1.501	light	2

20070622-187 S1A-06	24.30	-6.41	0.34	20.93	0.27	3572	-1800	1.492	dark	2
20070622-188 S1A-07	23.74	-6.95	0.34	20.37	0.22	3503	-1842	1.491	light	
20070622-189 S1A-08	24.04	-6.66	0.34	20.67	0.31	2928	-1798			
20070622-190 S1A-09	24.20	-6.51	0.34	20.83	0.27	2877	-1790			
20070622-191 S1A-10	24.88	-5.84	0.34	21.51	0.20	2647	-1779	1.478	dark	
20070622-192 S1A-11	24.10	-6.61	0.34	20.73	0.23	2603	-1739	1.477	light	
20070622-193 S1AB UWC3 G3#41				9.47	0.22					
20070622-194 S1AB UWC3 G3#42				9.16	0.27					
20070622-195 S1AB UWC3 G3#43				9.14	0.27					
20070622-196 S1AB UWC3 G3#44				9.26	0.21					
20070622-197 S1AB UWC3 G3#45				9.28	0.18					
Bracket STD 41-50	12.49	-17.87		9.17	0.30	-3.28				
20070622-198 S1A-12	24.78	-5.95	0.30	21.42	0.27	1947	-1608	1.401	dark	
20070622-199 S1A-13	24.09	-6.61	0.30	20.73	0.29	1903	-1673	1.398	light	6
20070622-200 S1A-14	24.83	-5.90	0.30	21.46	0.23	1818	-1674	1.384	dark	6
20070622-201 S1A-15	24.64	-6.08	0.30	21.28	0.24	1757	-1528			
20070622-202 S1A-16	24.43	-6.28	0.30	21.07	0.23	1560	-1641	1.338	light	
20070622-203 S1A-17	24.81	-5.92	0.30	21.45	0.24	820	-1623	1.223	dark	
20070622-204 S1A-18	24.31	-6.40	0.30	20.95	0.25	770	-1631	1.217	light	8
20070622-205 S1A-19	24.72	-6.00	0.30	21.36	0.21	179	-1913	1.154	dark	8
20070622-206 S1A-20	23.83	-6.87	0.30	20.47	0.28	157	-1865	1.148	light	
20070622-207 S1A-21	23.84	-6.86	0.30	20.48	0.27	-184	-1832	1.104		
20070622-208 S1AB UWC3 G3#46				8.91	0.30					
20070622-209 S1AB UWC3 G3#47				9.23	0.25					
20070622-210 S1AB UWC3 G3#48				9.08	0.25					
20070622-211 S1AB UWC3 G3#49				9.07	0.27					
20070622-212 S1AB UWC3 G3#50				9.09	0.22					
Bracket STD 46-55	12.49	-17.87		9.09	0.32	-3.36				
20070622-213 S1A-22	23.72	-6.97	0.32	20.29	0.20	-247	-1819	1.095	light	9
20070622-214 S1A-23	24.57	-6.15	0.32	21.13	0.28	-525	-1847	1.068	dark	9

20070622-215 S1A-24	24.27	-6.44	0.32	20.83	0.13	-520	-1785			
20070622-216 S1A-25	23.95	-6.75	0.32	20.52	0.24	-564	-1808	1.064	light	10
20070622-217 S1A-26	24.40	-6.31	0.32	20.97	0.27	-1121	-1855	1.023	dark	10
20070622-218 S1A-27	24.03	-6.68	0.32	20.59	0.27	-1184	-1850			
20070622-219 S1A-28	24.13	-6.58	0.32	20.69	0.28	-1378	-1804	1.016	light	11
20070622-220 S1A-29	23.50	-7.19	0.32	20.07	0.15	-1533	-1630	1.010	light	
20070622-221 S1A-30	24.65	-6.07	0.32	21.21	0.26	-2311	-1854	0.992	dark	
20070622-222 S1A-31	24.03	-6.67	0.32	20.60	0.25	-2446	-1875	0.989	light	
20070622-223 S1A-32	24.94	-5.79	0.32	21.50	0.20	-2993	-1762	0.973	dark	
20070622-224 S1A-33	24.19	-6.52	0.32	20.75	0.19	-3068	-1767	0.971	light	12
20070622-225 S1AB UWC3 G3#51				9.38	0.29					
20070622-226 S1AB UWC3 G3#52				9.23	0.20					
20070622-227 S1AB UWC3 G3#53				9.15	0.22					
20070622-228 S1AB UWC3 G3#54				8.89	0.27					
20070622-229 S1AB UWC3 G3#55				8.91	0.32					
Bracket STD 51-59	12.49	-17.87		8.93	0.54	-3.52				
20070622-230 S1A-34	24.85	-5.87	0.54	21.25	0.29	-3133	-1837	0.970	dark	12
20070622-231 S1A-35	24.03	-6.68	0.54	20.43	0.26	-3178	-1822	0.969	light	13
20070622-232 S1A-36	25.13	-5.60	0.54	21.53	0.25	-3386	-1799	0.963	dark	13
20070622-233 S1A-37	24.30	-6.41	0.54	20.70	0.19	-3398	-1734	0.962	light	
20070622-234 S1AB UWC3 G3#56				8.56	0.24					
20070622-235 S1AB UWC3 G3#57				8.73	0.28					
20070622-236 S1AB UWC3 G3#58				8.83	0.19					
20070622-237 S1AB UWC3 G3#59				8.69	0.22					
20070622-238 S1AB UWC3 G3#60				9.17	0.27					
20070622-239 S1AB UWC3 G3#61				9.04	0.19					
20070622-240 S1AB UWC3 G3#62				9.15	0.20					
20070622-241 S1AB UWC3 G3#63				9.16	0.19					
Bracket STD 60-67	12.49	-17.87		9.04	0.23	-3.41				
20070622-242 S1A-38	24.43	-6.29	0.23	20.94	0.24	-3808	-2024	0.954	dark	

primary beam adjusted
following this analysis

20070622-243 S1A-39	24.48	-6.24	0.23	20.99	0.26	-3863	-1987	0.953	light	
20070622-244 S1A-40	24.94	-5.79	0.23	21.45	0.24	-4196	-1792	0.942	dark	
20070622-245 S1A-41	24.02	-6.69	0.23	20.53	0.26	-5025	-1619	0.919	light	15
20070622-246 S1A-42	25.04	-5.69	0.23	21.55	0.19	-5508	-1686	0.907	dark	15
20070622-247 S1A-43	23.82	-6.88	0.23	20.33	0.24	-5622	-1683	0.904	light	
20070622-248 S1A-44	24.28	-6.43	0.23	20.79	0.19	-5842	-1506			
20070622-249 S1A-45	23.90	-6.80	0.23	20.41	0.26	-6006	-1656	0.894	light	
20070622-250 S1AB UWC3 G3#64				8.90	0.27					
20070622-251 S1AB UWC3 G3#65				9.04	0.27					
20070622-252 S1AB UWC3 G3#66				8.85	0.26					
20070622-253 S1AB UWC3 G3#67				9.04	0.25					

New Analysis Session

mount: S1AB

20080513-10 S1AB UWC-3 G3 #2				9.17	0.37					
20080513-11 S1AB UWC-3 G3 #3				9.17	0.32					
20080513-12 S1AB UWC-3 G3 #4				9.23	0.32					
20080513-13 S1AB UWC-3 G3 #5				9.09	0.43					
Bracket STD 2-11	12.49	-17.87		9.12	0.22	-3.33				
20080513-14 S1B-01	24.34	-6.37	0.22	20.93	0.37	5437	-746	1.658	light	18
20080513-15 S1B-02	25.31	-5.43	0.22	21.89	0.36	5412	-735	1.658	dark	
20080513-16 S1B-03	25.03	-5.70	0.22	21.62	0.34	5383	-732	1.657	dark	18
20080513-17 S1B-04	25.21	-5.53	0.22	21.80	0.30	5348	-727			
20080513-18 S1B-05	24.00	-6.70	0.22	20.59	0.37	3349	-973	1.637	light	26
20080513-19 S1B-06	24.70	-6.03	0.22	21.29	0.38	2992	-888	1.634	dark	26
20080513-20 S1B-07	24.44	-6.28	0.22	21.03	0.35	-17	-570			
20080513-21 S1B-08	24.85	-5.88	0.22	21.44	0.30	-313	-559			
20080513-22 S1B-09	24.59	-6.13	0.22	21.18	0.32	-372	-535			
20080513-23 S1B-10	24.73	-5.99	0.22	21.32	0.30	-504	-487			
20080513-24 S1AB UWC-3 G3 #6				8.98	0.38					

20080513-25	S1AB UWC-3 G3 #7				9.04	0.33						
20080513-26	S1AB UWC-3 G3 #8				9.01	0.36						
20080513-27	S1AB UWC-3 G3 #9				9.30	0.36						
20080513-28	S1AB UWC-3 G3 #10				8.99	0.28						
20080513-29	S1AB UWC-3 G3 #11				9.21	0.31						
	Bracket STD 6-17	12.49	-17.87		9.01	0.32	-3.43					
20080513-30	S1B-11	24.52	-6.20	0.32	21.00	0.44	-780	-801	1.578	light	30	
20080513-31	S1B-12	25.55	-5.20	0.32	22.03	0.40	-1036	-719	1.576	dark	30	
20080513-32	S1B-13	24.14	-6.57	0.32	20.62	0.35	-4717	-616	1.525	light	32	
20080513-33	S1B-14	24.97	-5.76	0.32	21.45	0.31	-4825	-602				
20080513-34	S1B-15	25.14	-5.60	0.32	21.62	0.37	-4874	-583				
20080513-35	S1B-16	24.99	-5.74	0.32	21.47	0.31	-4915	-585	1.520	dark	32	
20080513-36	S1B-17	25.36	-5.38	0.32	21.84	0.40	5036	-1290	1.657	dark		
20080513-37	S1B-18	23.88	-6.82	0.32	20.37	0.30	5008	-1272	1.656	light	19	
20080513-38	S1B-19	24.21	-6.50	0.32	20.69	0.34	4979	-1254				
20080513-39	S1B-20	24.26	-6.46	0.32	20.74	0.29	4904	-1228				
20080513-40	S1B-21	24.31	-6.41	0.32	20.79	0.35	4811	-1209				
20080513-41	S1B-22	24.15	-6.56	0.32	20.63	0.34	4737	-1184	1.653	dark	19	
20080513-42	S1AB UWC-3 G3 #12				8.68	0.31						
20080513-43	S1AB UWC-3 G3 #13				9.11	0.35						
20080513-44	S1AB UWC-3 G3 #14				8.92	0.41						
20080513-45	S1AB UWC-3 G3 #15				9.05	0.38						
20080513-46	S1AB UWC-3 G3 #16				8.90	0.25						
20080513-47	S1AB UWC-3 G3 #17				8.95	0.31						
	Bracket STD 12-22	12.49	-17.87		9.00	0.32	-3.44					
20080513-48	S1B-23	24.07	-6.64	0.32	20.54	0.39	4714	-1170				
20080513-49	S1B-24	23.79	-6.91	0.32	20.27	0.29	4683	-1163	1.652	light	20	
20080513-50	S1B-25	24.52	-6.20	0.32	20.99	0.33	4650	-1147				
20080513-51	S1B-26	24.71	-6.01	0.32	21.18	0.42	4606	-1139				
20080513-52	S1B-27	24.28	-6.43	0.32	20.75	0.33	4562	-1140 crack?				

20080513-53	S1B-28	23.57	-7.12	0.32	20.05	0.39	4525	-1114	1.651	light	21
20080513-54	S1B-29	24.32	-6.39	0.32	20.79	0.28	4503	-1107	1.650	dark	21
20080513-55	S1B-30	24.05	-6.65	0.32	20.53	0.31	4485	-1099			
20080513-56	S1B-31	24.11	-6.60	0.32	20.58	0.35	4465	-1078	1.650	light	22
20080513-57	S1B-33	25.09	-5.65	0.32	21.56	0.33	4442	-1065 spot S1B-32 aborted			
20080513-58	S1B-34	25.69	-5.06	0.32	22.16	0.40	4423	-1056	1.649	dark	22
20080513-59	S1B-35	24.47	-6.24	0.32	20.95	0.36	4398	-1045	1.649	light	23
20080513-60	S1B-36	25.39	-5.35	0.32	21.86	0.32	4366	-1032	1.649	dark	23
20080513-61	S1B-37	24.73	-5.99	0.32	21.20	0.33	4319	-1018			
20080513-62	S1B-38	24.69	-6.04	0.32	21.16	0.41	4280	-1029			
20080513-63	S1AB UWC-3 G3 #18				9.03	0.34					
20080513-64	S1AB UWC-3 G3 #19				9.04	0.35					
20080513-65	S1AB UWC-3 G3 #20				9.35	0.35					
20080513-66	S1AB UWC-3 G3 #21				9.01	0.38					
20080513-67	S1AB UWC-3 G3 #22				9.01	0.34					
	Bracket STD 18-27	12.49	-17.87		9.01	0.30	-3.44				
20080513-68	S1B-39	24.55	-6.17	0.30	21.03	0.37	4280	-1045			
20080513-69	S1B-40	24.98	-5.75	0.30	21.46	0.39	4256	-1012			
20080513-70	S1B-41	25.15	-5.59	0.30	21.63	0.36	4255	-992			
20080513-71	S1B-42	23.36	-7.33	0.30	19.84	0.39	4218	-986	1.647	light	24
20080513-72	S1B-43	24.32	-6.39	0.30	20.81	0.36	4155	-960			
20080513-73	S1B-44	24.75	-5.98	0.30	21.23	0.27	4102	-937			
20080513-74	S1B-45	24.17	-6.54	0.30	20.65	0.40	4037	-919			
20080513-75	S1B-46	24.59	-6.13	0.30	21.07	0.36	3979	-880			
20080513-76	S1B-47	23.97	-6.73	0.30	20.46	0.35	3895	-864			
20080513-77	S1B-48	24.30	-6.41	0.30	20.78	0.32	3693	-825			
20080513-78	S1B-49	24.05	-6.66	0.30	20.53	0.37	3588	-794	1.640	dark	24
20080513-79	S1AB UWC-3 G3 #23				8.86	0.34					
20080513-80	S1AB UWC-3 G3 #24				8.83	0.31					
20080513-81	S1AB UWC-3 G3 #25				8.85	0.29					

20080513-150 S1C-21	24.62	-6.10	0.34	21.58	0.29	80	2556
20080513-151 S1CD UWC-3 G3 #20				9.73	0.37		
20080513-152 S1CD UWC-3 G3 #21				9.39	0.41		
20080513-153 S1CD UWC-3 G3 #22				9.24	0.42		
20080513-154 S1CD UWC-3 G3 #23				9.57	0.38		
20080513-155 S1CD UWC-3 G3 #24				9.74	0.29		

The analysis names "S1A-S1E" refer to the five ~1 cm chips of sample 2-6 mounted in epoxy rounds.

* Conversion of the standard reference: $\delta^{18}\text{O}_{\text{PDB}} = (\delta^{18}\text{O}_{\text{SMOW}} - 30.91)/1.03091$

from: Coplen, T. B., Kendall, C., and Hoppo, J., 1983. Comparison of stable isotope reference samples. Nature 302, 236-238.

**The external precision for $\delta^{18}\text{O}_{\text{VSMOW}}$ measurements is reported as 2 times the standard deviation of typically 8 bracketing UWC-3 calcite standard analyses.

† Errors quoted for $\delta^{18}\text{O}_{\text{Raw}}$ are the internal error of each analysis, and are listed at the 95% confidence level (2σ).

¥ Instrumental mass fractionation factor (IMF) is calculated from UWC-3 calcite standard as:

$$\text{IMF} = [(1 + \delta^{18}\text{O}_{\text{Raw}}/1000) / (1 + \delta^{18}\text{O}_{\text{VSMOW}}/1000) - 1] \times 1000$$

Ψ Model ages are calculated assuming that the growth rate between adjacent U-series dating points is constant.

Data that are not bracketed by U-series dates are assigned a growth rate equal to the average growth rate across all 8 U-series ages. Model ages are calculated for data in Figure 6.

Γ Classification of the analyzed calcite as either "light" fluorescent or "dark" fluorescent based on confocal laser fluorescent imaging. Intermediate classifications of fluorescence are omitted.

9 The 75 bands in Figure 6B are comprised of paired oxygen isotope analyses. Here, each pair is assigned a unique numerical value. The ordering of these values is arbitrary.