

AM-94-544

The pressure behavior of a cristobalite

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For deposit: Table 4

American Mineralogist, 79, 1-2, 9-14.

**Observed and Calculated Structure Factors
for Cristobalite at Room Pressure**

H	K	L	F _o	F _c	σF	EXTIN
2	0	0	46.636	45.029	.133	0.9997*
4	0	0	6.884	6.491	.315	1.0000
6	0	0	0.948	1.795	4.554	1.0000* **
1	1	0	6.867	6.842	.158	1.0000
2	1	0	2.164	0.485	.420	1.0000
3	1	0	10.227	9.915	.206	1.0000
4	1	0	26.066	26.190	.212	1.0000
5	1	0	7.330	7.078	.335	1.0000
6	1	0	17.595	17.378	.298	1.0000
2	2	0	13.006	13.038	.179	1.0000
3	2	0	0.695	1.054	3.475	1.0000* **
4	2	0	3.673	3.282	.520	1.0000
5	2	0	3.662	3.863	.622	1.0000
6	2	0	2.442	1.172	1.614	1.0000
3	3	0	17.455	17.702	.232	1.0000
4	3	0	15.848	16.118	.264	1.0000
5	3	0	13.231	13.381	.315	1.0000
6	3	0	11.413	11.209	.365	1.0000
4	4	0	6.327	6.586	.411	1.0000
5	4	0	0.873	1.945	4.364	1.0000* **
1	0	1	50.328	50.314	.098	0.9995
2	0	1	4.371	2.982	.216	1.0000*
3	0	1	29.699	28.573	.171	0.9999*
4	0	1	22.185	22.328	.213	1.0000
5	0	1	4.473	4.550	.506	1.0000
6	0	1	15.003	14.873	.311	1.0000
1	1	1	19.967	19.905	.127	0.9999
2	1	1	12.029	12.411	.169	1.0000
3	1	1	18.310	18.209	.191	1.0000
4	1	1	7.904	8.006	.303	1.0000
5	1	1	10.199	10.256	.305	1.0000
6	1	1	4.445	4.239	.605	1.0000
2	2	1	4.314	3.833	.254	1.0000
3	2	1	13.743	13.665	.221	1.0000

* signifies that the reflection was rejected

** signifies that the reflection has an intensity less than the minimum observable value.

H	K	L	Fo	Fc	σF	EXTIN
4	2	1	16.304	16.569	.240	1.0000
5	2	1	6.755	6.730	.387	1.0000
6	2	1	12.288	11.954	.338	1.0000
3	3	1	14.969	15.042	.242	1.0000
4	3	1	11.926	12.058	.287	1.0000
5	3	1	6.546	6.480	.419	1.0000
6	3	1	8.096	8.028	.419	1.0000
4	4	1	7.244	7.626	.388	1.0000
5	4	1	9.271	9.165	.387	1.0000
1	0	2	25.388	24.735	.129	0.9999*
2	0	2	18.176	16.820	.157	1.0000*
3	0	2	27.915	28.046	.184	0.9999
4	0	2	11.678	11.638	.244	1.0000
5	0	2	16.353	16.203	.266	1.0000
6	0	2	0.852	1.100	4.254	1.0000* **
1	1	2	17.050	17.844	.143	1.0000*
2	1	2	20.438	19.734	.165	1.0000
3	1	2	18.936	18.713	.195	1.0000
4	1	2	6.897	7.033	.319	1.0000
5	1	2	1.916	1.857	1.599	1.0000* **
6	1	2	3.504	3.597	.995	1.0000
2	2	2	8.609	8.632	.226	1.0000
3	2	2	21.141	21.209	.210	1.0000
4	2	2	12.292	12.369	.267	1.0000
5	2	2	11.163	11.342	.316	1.0000
6	2	2	8.216	8.377	.411	1.0000
3	3	2	16.338	16.515	.241	1.0000
4	3	2	5.820	5.716	.376	1.0000
5	3	2	4.090	2.702	.811	1.0000
6	3	2	3.443	2.767	.999	1.0000
4	4	2	15.564	15.734	.299	1.0000
5	4	2	2.527	1.533	1.880	1.0000* **
1	0	3	3.462	4.008	.238	1.0000
2	0	3	22.790	22.340	.174	1.0000
3	0	3	15.297	15.284	.205	1.0000
4	0	3	14.652	14.514	.244	1.0000
5	0	3	0.796	1.106	3.904	1.0000* **
6	0	3	8.508	8.694	.404	1.0000
1	1	3	27.518	26.688	.157	0.9999*
2	1	3	11.822	11.623	.199	1.0000
3	1	3	20.799	20.819	.206	1.0000
4	1	3	6.079	6.121	.322	1.0000
5	1	3	8.174	8.041	.348	1.0000
6	1	3	7.357	7.103	.440	1.0000
2	2	3	21.373	21.354	.194	1.0000
3	2	3	17.604	17.668	.223	1.0000
4	2	3	10.738	10.694	.279	1.0000

H	K	L	F _o	F _c	σ _F	EXTIN	
5	2	3	6.872	6.728	.388	1.0000	
6	2	3	5.868	5.543	.527	1.0000	
3	3	3	11.966	11.992	.272	1.0000	
4	3	3	13.025	13.212	.299	1.0000	
5	3	3	0.875	1.715	4.373	1.0000*	**
4	4	3	2.350	2.204	1.631	1.0000	
5	4	3	9.704	9.923	.405	1.0000	
0	0	4	24.788	24.869	.166	1.0000	
1	0	4	10.293	10.096	.206	1.0000	
2	0	4	21.035	21.084	.195	1.0000	
3	0	4	1.882	1.856	1.688	1.0000*	**
4	0	4	6.710	6.635	.324	1.0000	
5	0	4	7.293	6.884	.386	1.0000	
6	0	4	5.184	5.548	.535	1.0000	
1	1	4	2.676	2.101	.331	1.0000	
2	1	4	20.218	19.982	.200	1.0000	
3	1	4	13.998	14.125	.233	1.0000	
4	1	4	18.926	18.778	.249	1.0000	
5	1	4	6.082	5.971	.456	1.0000	
6	1	4	12.069	11.784	.360	1.0000	
2	2	4	17.662	17.721	.219	1.0000	
3	2	4	9.139	9.166	.289	1.0000	
4	2	4	6.078	6.244	.413	1.0000	
5	2	4	5.294	4.806	.570	1.0000	
6	2	4	4.636	4.140	.695	1.0000	
3	3	4	12.734	12.702	.283	1.0000	
4	3	4	8.592	8.658	.353	1.0000	
5	3	4	12.004	11.935	.353	1.0000	
4	4	4	2.952	2.465	1.060	1.0000	
1	0	5	26.176	26.028	.195	1.0000	
2	0	5	8.043	7.876	.284	1.0000	
3	0	5	3.010	2.513	.844	1.0000	
4	0	5	11.474	11.511	.306	1.0000	
5	0	5	1.729	0.666	2.841	1.0000*	**
6	0	5	8.120	7.841	.443	1.0000	
1	1	5	3.401	3.335	.386	1.0000	
2	1	5	18.376	18.693	.219	1.0000	
3	1	5	9.796	9.656	.278	1.0000	
4	1	5	6.957	7.090	.410	1.0000	
5	1	5	15.647	15.574	.311	1.0000	
2	2	5	9.364	9.489	.277	1.0000	
3	2	5	8.046	8.033	.317	1.0000	
4	2	5	9.852	9.933	.338	1.0000	
5	2	5	7.439	7.464	.453	1.0000	
3	3	5	6.491	5.834	.405	1.0000	
4	3	5	8.407	8.338	.374	1.0000	
5	3	5	8.958	8.979	.412	1.0000	

H	K	L	Fo	Fc	σF	EXTIN	
4	4	5	5.677	5.090	.549	1.0000	
1	0	6	2.230	0.636	1.149	1.0000	
2	0	6	4.063	3.715	.404	1.0000	
3	0	6	12.506	12.338	.287	1.0000	
4	0	6	4.115	3.544	.650	1.0000	
5	0	6	16.765	16.754	.324	1.0000	
1	1	6	28.988	29.455	.219	1.0000	
2	1	6	3.594	3.420	.435	1.0000	
3	1	6	8.274	8.303	.327	1.0000	
4	1	6	0.832	1.294	4.166	1.0000*	**
5	1	6	0.896	0.933	4.524	1.0000*	**
2	2	6	8.975	8.803	.316	1.0000	
3	2	6	10.475	10.434	.327	1.0000	
4	2	6	9.530	9.561	.363	1.0000	
5	2	6	14.160	14.159	.323	1.0000	
3	3	6	0.848	2.052	4.183	1.0000*	**
4	3	6	4.377	3.170	.768	1.0000	
1	0	7	11.450	11.709	.293	1.0000	
2	0	7	11.358	11.426	.312	1.0000	
3	0	7	0.828	0.322	4.137	1.0000*	**
4	0	7	7.589	7.214	.409	1.0000	
1	1	7	0.805	0.724	4.010	1.0000*	**
2	1	7	13.191	13.443	.297	1.0000	
3	1	7	7.841	7.657	.390	1.0000	
4	1	7	7.366	7.288	.455	1.0000	
2	2	7	13.823	13.896	.304	1.0000	
3	2	7	6.774	6.726	.431	1.0000	
4	2	7	8.269	8.009	.414	1.0000	
3	3	7	4.931	4.507	.674	1.0000	
0	0	8	7.438	7.429	.391	1.0000	
1	0	8	2.339	1.658	1.877	1.0000*	**
2	0	8	9.653	9.655	.408	1.0000	
3	0	8	0.879	0.167	4.395	1.0000*	**
4	0	8	5.022	4.085	.705	1.0000	
1	1	8	1.566	1.260	2.713	1.0000*	**
2	1	8	13.331	13.296	.317	1.0000	
3	1	8	3.903	3.826	.822	1.0000	
2	2	8	11.175	11.408	.350	1.0000	
3	2	8	7.830	7.527	.425	1.0000	
1	0	9	5.206	4.879	.536	1.0000	
2	0	9	9.732	9.663	.395	1.0000	
1	1	9	5.294	4.973	.494	1.0000	
2	1	9	8.154	7.982	.450	1.0000	

**Observed and Calculated Structure Factors
for Cristobalite at 0.19 GPa**

H	K	L	F _o	F _c	σ _F	
2	0	0	47.450	46.325	1.191	
4	0	0	4.731	6.603	1.201	
6	0	0	3.591	0.948	2.689*	**
2	1	0	2.098	0.144	2.466*	**
3	1	0	10.997	10.782	.421	
4	1	0	44.930	24.807	1.144*	
5	1	0	7.505	7.780	.784	
6	1	0	16.402	16.089	.574	
5	2	0	3.171	6.250	2.115	
1	0	1	51.101	49.774	1.280	
2	0	1	3.896	1.776	.906	
3	0	1	28.294	28.835	.729	
4	0	1	20.752	21.698	.576	
5	0	1	3.372	5.263	3.064*	**
6	0	1	14.912	14.567	.586	
1	1	1	19.921	20.652	.519	
2	1	1	12.582	12.434	.392	
3	1	1	18.143	18.652	.512	
4	1	1	9.889	9.300	.515	
5	1	1	10.384	9.716	.602	
6	1	1	3.967	5.401	2.556	
3	2	1	13.283	13.624	.443	
4	2	1	14.774	15.868	.485	
5	2	1	5.919	6.678	1.348	
6	2	1	16.912	12.182	.621*	
1	0	2	25.900	25.774	.661	
2	0	2	17.345	16.206	.486	
3	0	2	30.042	29.769	.774	
4	0	2	12.258	12.599	.508	
5	0	2	16.448	16.813	.544	
6	0	2	5.541	1.176	2.285	
1	1	2	14.960	16.078	.417	
2	1	2	20.584	20.011	.548	
3	1	2	17.307	16.650	.491	
4	1	2	7.409	6.741	.668	
5	1	2	3.251	3.263	3.158*	**
6	1	2	4.483	3.755	2.296	
2	2	2	9.395	8.820	.419	
3	2	2	21.352	21.543	.583	
4	2	2	12.229	12.625	.482	

H	K	L	Fo	Fc	σF	
5	2	2	10.168	10.895	.603	
6	2	2	8.839	7.467	.710	
1	0	3	2.610	4.039	2.016*	**
2	0	3	22.305	22.323	.606	
3	0	3	14.771	13.773	.487	
4	0	3	15.660	15.931	.510	
5	0	3	2.028	2.398	4.793*	**
6	0	3	8.596	9.124	.819	
1	1	3	28.275	27.169	.724	
2	1	3	10.518	10.011	.411	
3	1	3	21.721	21.951	.591	
4	1	3	5.836	5.207	1.342	
5	1	3	8.278	8.419	.776	
6	1	3	7.858	7.629	.833	
2	2	3	19.811	20.660	.551	
3	2	3	16.345	16.803	.497	
4	2	3	10.755	10.461	.514	
5	2	3	6.724	6.120	.886	
6	2	3	3.772	4.816	2.525	
0	0	4	26.786	26.959	.689	
1	0	4	10.438	9.926	.422	
2	0	4	20.592	20.672	.563	
3	0	4	2.611	2.248	2.725*	**
4	0	4	5.381	4.998	1.373	
5	0	4	5.801	6.868	2.586	
6	0	4	7.024	6.266	1.087	
1	1	4	3.439	2.913	1.955	
2	1	4	19.474	19.654	.542	
3	1	4	13.813	14.547	.482	
4	1	4	18.803	19.196	.555	
5	1	4	6.377	6.824	1.040	
6	1	4	11.224	11.246	.671	
2	2	4	16.165	16.235	.483	
3	2	4	8.977	9.222	.546	
4	2	4	2.786	5.032	3.011*	**
5	2	4	5.188	4.182	1.854	
6	2	4	2.582	4.518	4.257*	**
1	0	5	26.811	26.789	.712	
2	0	5	7.587	7.603	.582	
3	0	5	2.314	3.414	3.936*	**
4	0	5	11.914	11.637	.544	
5	0	5	2.509	1.228	3.660*	**
1	1	5	2.727	3.117	3.228*	**
2	1	5	18.537	18.309	.535	
3	1	5	9.832	8.998	.536	
4	1	5	5.276	6.747	1.772	
5	1	5	15.169	14.497	.574	

H	K	L	F _o	F _c	σF
2	2	5	9.045	8.977	.637
3	2	5	9.639	8.745	.641
4	2	5	9.653	10.028	.635
5	2	5	7.548	7.607	.905
1	0	6	1.926	1.617	4.126* **
2	0	6	3.846	4.723	1.645
3	0	6	12.072	12.567	.521
4	0	6	2.522	5.139	3.421* **
5	0	6	15.694	15.555	.567
1	1	6	28.486	28.702	.746
2	1	6	4.510	3.538	3.123
3	1	6	7.328	8.292	.735
4	1	6	2.070	2.213	4.557* **
5	1	6	2.221	0.745	4.800* **
2	2	6	9.950	8.929	.607
3	2	6	9.980	10.132	.622
4	2	6	10.162	9.923	.672
5	2	6	12.540	13.136	.607
3	3	6	2.463	2.488	3.676* **
4	3	6	4.405	1.895	1.603
1	0	7	10.942	10.532	.515
2	0	7	12.161	12.121	.523
3	0	7	2.052	0.438	4.670* **
4	0	7	7.952	7.550	.791
1	1	7	2.832	2.093	3.560* **
2	1	7	12.681	12.796	.547
3	1	7	8.380	8.153	.715
4	1	7	8.091	7.241	.824
2	2	7	14.073	14.059	.512
3	2	7	6.045	6.469	1.470
4	2	7	10.982	7.470	.904
3	3	7	3.751	3.706	2.601
1	0	8	1.818	1.057	4.606* **
2	0	8	8.898	8.587	.750
3	0	8	2.067	0.306	4.911* **
1	1	8	1.901	1.182	4.681* **
2	1	8	13.107	13.619	.553
3	1	8	4.799	3.419	2.265
2	2	8	10.598	10.513	.620
3	2	8	6.351	7.431	1.957
1	0	9	6.866	5.097	1.080
2	0	9	10.487	9.388	.587
1	1	9	3.642	4.083	3.787* **
2	1	9	7.557	7.676	.880

**Observed and Calculated Structure Factors
for Cristobalite at 0.73 GPa**

H	K	L	F _o	F _c	σF	
2	0	0	49.381	47.484	1.978	
4	0	0	2.569	2.043	3.552*	**
6	0	0	7.065	4.462	1.142	
2	1	0	0.885	0.793	4.423*	**
3	1	0	13.097	12.950	.604	
4	1	0	20.972	22.577	.874	
5	1	0	8.535	8.724	.808	
6	1	0	16.035	15.454	.768	
1	0	1	50.729	47.873	2.031	
2	0	1	0.874	0.119	4.375*	**
3	0	1	26.276	26.404	1.072	
4	0	1	19.541	20.395	.824	
5	0	1	1.268	3.320	5.823*	**
6	0	1	14.915	14.904	.725	
1	1	1	20.919	21.621	.854	
2	1	1	13.272	13.460	.584	
3	1	1	19.459	20.107	.816	
4	1	1	12.427	12.335	.625	
5	1	1	9.674	9.207	.717	
6	1	1	7.833	8.342	.974	
3	2	1	13.841	14.792	.627	
4	2	1	13.752	14.545	.658	
5	2	1	7.094	7.224	.933	
6	2	1	13.697	13.174	.711	
1	0	2	28.564	27.571	1.152	
2	0	2	14.800	13.368	.630	
3	0	2	33.322	34.112	1.348	
4	0	2	12.033	12.347	.600	
5	0	2	16.671	17.593	.743	
6	0	2	1.823	2.360	5.028*	**
1	1	2	11.654	12.422	.500	
2	1	2	20.621	20.041	.850	
3	1	2	13.865	12.915	.610	
4	1	2	5.949	5.001	1.041	
5	1	2	4.356	5.384	1.588	
6	1	2	5.697	4.651	1.460	
2	2	2	10.880	10.356	.526	
3	2	2	23.073	23.309	.952	
4	2	2	13.789	14.236	.658	
5	2	2	10.192	10.611	.676	

H	K	L	Fo	Fc	σF	
6	2	2	6.791	6.978	1.010	
1	0	3	0.927	4.143	4.633*	**
2	0	3	23.516	22.961	.965	
3	0	3	13.598	12.376	.618	
4	0	3	17.668	18.425	.775	
5	0	3	1.222	2.513	6.107*	**
6	0	3	7.246	8.899	.979	
1	1	3	29.652	27.931	1.201	
2	1	3	7.627	7.467	.538	
3	1	3	23.997	24.551	.990	
4	1	3	3.707	5.110	1.621	
5	1	3	8.541	8.458	.783	
6	1	3	9.402	9.104	.803	
2	2	3	19.797	20.133	.822	
3	2	3	14.666	14.906	.654	
4	2	3	11.801	10.853	.613	
5	2	3	6.297	6.292	1.190	
6	2	3	4.086	4.770	2.142*	**
0	0	4	31.886	31.273	1.286	
1	0	4	9.835	9.144	.513	
2	0	4	20.747	20.853	.862	
3	0	4	2.267	3.537	3.806*	**
4	0	4	1.167	2.089	5.832*	**
5	0	4	1.241	6.708	6.206*	**
6	0	4	9.139	8.446	.783	
1	1	4	3.258	3.850	1.603	
2	1	4	19.003	19.319	.802	
3	1	4	14.985	14.988	.625	
4	1	4	19.589	20.197	.838	
5	1	4	9.858	8.814	.774	
6	1	4	10.694	10.655	.760	
2	2	4	14.454	14.113	.651	
3	2	4	8.863	8.590	.641	
4	2	4	1.183	2.690	5.917*	**
5	2	4	4.453	4.774	1.569	
1	0	5	28.272	28.763	1.150	
2	0	5	6.618	7.073	.743	
3	0	5	2.907	4.382	3.551*	**
4	0	5	11.985	11.973	.635	
5	0	5	3.966	4.027	2.919*	**
1	1	5	1.120	1.256	5.422*	**
2	1	5	17.845	18.273	.771	
3	1	5	8.628	8.488	.711	
4	1	5	4.364	5.884	1.560	
5	1	5	13.509	13.652	.736	
2	2	5	8.826	7.496	.633	
3	2	5	10.965	10.627	.645	

H	K	L	Fo	Fc	σF	
4	2	5	10.453	9.602	.697	
5	2	5	9.320	9.429	.774	
1	0	6	4.124	3.636	1.383	
2	0	6	5.104	5.451	1.228	
3	0	6	12.448	13.655	.651	
4	0	6	7.143	7.091	1.159	
5	0	6	14.193	14.950	.755	
1	1	6	27.195	28.047	1.115	
2	1	6	4.710	4.910	1.456	
3	1	6	6.961	7.664	.880	
4	1	6	1.336	2.088	6.006*	**
5	1	6	5.978	3.537	2.777	
2	2	6	11.410	10.741	.664	
3	2	6	10.751	10.435	.678	
4	2	6	12.292	11.960	.715	
3	3	6	2.912	2.116	3.254*	**
4	3	6	3.247	0.440	3.684*	**
1	0	7	9.187	9.223	.651	
2	0	7	13.483	14.167	.686	
3	0	7	1.208	0.903	6.052*	**
4	0	7	9.059	9.306	.827	
1	1	7	3.878	4.527	5.337*	**
2	1	7	11.344	11.384	.658	
3	1	7	9.994	9.384	.773	
4	1	7	6.769	6.634	1.078	
2	2	7	14.829	15.674	.706	
3	2	7	8.404	7.157	.807	
4	2	7	9.429	8.043	.790	
3	3	7	2.356	3.109	6.137*	**
1	0	8	5.080	0.082	1.687	
2	0	8	7.991	7.408	.980	
3	0	8	2.294	0.040	3.616*	**
1	1	8	1.259	1.539	6.292*	**
2	1	8	14.788	15.311	.735	
3	1	8	7.097	3.566	1.049	
2	2	8	8.470	8.762	.866	
3	2	8	7.345	7.512	1.050	
1	0	9	8.187	6.464	.898	
2	0	9	11.583	10.022	.712	
1	1	9	4.750	3.476	1.740	
2	1	9	9.092	7.950	.842	

**Observed and Calculated Structure Factors
for Cristobalite at 1.05 GPa**

H	K	L	F _o	F _c	σF	
2	0	0	49.812	48.033	2.989	
4	0	0	4.162	0.602	1.790	
6	0	0	9.642	8.306	.737	
2	1	0	2.071	1.698	3.169*	**
3	1	0	13.666	14.170	.843	
4	1	0	19.745	20.993	1.203	
5	1	0	9.369	9.105	.698	
6	1	0	16.045	14.130	1.008	
1	0	1	49.309	46.590	2.960	
2	0	1	2.256	1.331	3.025*	**
3	0	1	24.474	24.385	1.483	
4	0	1	18.618	19.312	1.138	
5	0	1	2.872	1.725	3.695*	**
6	0	1	14.125	14.093	.922	
1	1	1	21.689	22.188	1.306	
2	1	1	14.548	14.047	.885	
3	1	1	19.619	20.930	1.189	
4	1	1	13.893	13.847	.866	
5	1	1	10.777	9.078	.749	
6	1	1	11.848	10.513	.817	
3	2	1	14.287	15.542	.882	
4	2	1	12.474	13.698	.804	
5	2	1	5.430	7.648	1.725	
1	0	2	29.478	28.502	1.772	
2	0	2	12.765	11.575	.788	
3	0	2	36.174	36.539	2.175	
4	0	2	10.741	11.608	.711	
5	0	2	16.217	18.085	1.011	
6	0	2	1.405	3.012	7.024*	**
1	1	2	9.833	10.200	.616	
2	1	2	20.534	19.823	1.243	
3	1	2	11.559	10.150	.734	
4	1	2	3.451	3.680	4.305*	**
5	1	2	6.150	6.886	1.307	
6	1	2	5.655	4.973	2.296	
2	2	2	11.250	11.651	.717	
3	2	2	23.808	24.094	1.439	
4	2	2	15.090	12.128	.929	
5	2	2	9.551	10.542	.715	
6	2	2	5.537	6.617	1.834	

H	K	L	F _O	F _C	σ _F	
1	0	3	2.548	4.429	3.120*	**
2	0	3	23.618	23.094	1.425	
3	0	3	12.120	11.009	.767	
4	0	3	18.950	19.532	1.161	
5	0	3	2.006	2.901	6.674*	**
6	0	3	10.332	8.592	.749	
1	1	3	29.689	28.034	1.787	
2	1	3	8.346	6.491	.571	
3	1	3	25.268	25.803	1.526	
4	1	3	9.147	6.085	.672	
5	1	3	8.789	8.763	.714	
6	1	3	8.972	9.988	.761	
2	2	3	18.686	19.561	1.138	
3	2	3	13.359	13.851	.838	
4	2	3	10.422	11.082	.722	
5	2	3	5.405	6.426	3.703*	**
6	2	3	2.015	5.609	5.557*	**
0	0	4	34.638	33.972	2.084	
1	0	4	9.758	8.470	.635	
2	0	4	20.741	21.094	1.258	
3	0	4	3.485	4.206	2.054*	**
4	0	4	1.298	0.020	6.491*	**
5	0	4	5.932	5.839	2.527	
6	0	4	10.782	10.162	.807	
1	1	4	5.632	4.525	1.659	
2	1	4	18.914	18.978	1.153	
3	1	4	14.991	14.922	.940	
4	1	4	19.722	20.329	1.208	
5	1	4	11.147	9.677	.830	
6	1	4	9.741	9.963	.772	
2	2	4	13.212	13.078	.827	
3	2	4	8.308	7.990	.672	
4	2	4	3.184	2.142	3.423*	**
5	2	4	4.940	5.744	4.134*	**
1	0	5	29.285	29.572	1.763	
2	0	5	8.739	7.094	.641	
3	0	5	4.571	5.060	2.094	
4	0	5	11.316	12.020	.761	
5	0	5	6.525	5.644	1.287	
1	1	5	1.209	0.279	6.043*	**
2	1	5	18.119	18.194	1.116	
3	1	5	10.749	8.492	.738	
4	1	5	3.500	6.003	3.487*	**
5	1	5	11.773	12.566	.825	
2	2	5	6.945	6.674	.725	
3	2	5	11.293	11.738	.770	
4	2	5	9.336	9.092	.726	

H	K	L	F _o	F _c	σ _F
5	2	5	10.272	10.294	.789
1	0	6	8.380	5.193	.667
2	0	6	6.126	5.446	.949
3	0	6	13.482	14.906	.871
4	0	6	7.605	7.722	.725
5	0	6	14.461	14.308	.940
1	1	6	26.416	27.140	1.597
2	1	6	6.391	5.637	.864
3	1	6	6.121	7.111	.734
4	1	6	4.306	1.932	2.317* **
5	1	6	4.893	5.543	4.873* **
2	2	6	11.452	11.814	.821
3	2	6	11.251	10.739	.808
4	2	6	13.161	13.080	.871
3	3	6	1.948	1.523	5.196* **
1	0	7	8.784	8.657	.667
2	0	7	14.506	15.165	.925
3	0	7	1.319	0.907	6.948* **
4	0	7	10.031	10.726	.770
1	1	7	6.168	6.149	1.073
2	1	7	9.400	10.261	.735
3	1	7	10.543	10.443	.760
4	1	7	6.010	5.732	1.485
2	2	7	15.921	16.092	1.002
3	2	7	9.343	7.609	.756
4	2	7	10.327	8.251	.788
3	3	7	3.367	3.116	3.127* **
1	0	8	5.285	0.451	1.718
2	0	8	7.158	7.038	.799
3	0	8	1.389	0.287	6.948* **
1	1	8	3.219	1.917	3.786* *
2	1	8	15.675	15.937	.997
3	1	8	6.078	4.306	1.966
2	2	8	6.392	7.536	1.370
3	2	8	8.222	7.127	.865
1	0	9	7.205	7.771	.744
2	0	9	10.964	10.050	.810
1	1	9	4.210	3.356	3.998* **