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Crystal growth and structure of $K_2Al_2Si_3O_{10}\cdot KCl$: A new anhydrous zeolite-type phase with the edingtonite framework

Subrata Ghose, Yang Hexiong, Jerry R. Weidner

For deposit: Table 4

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TABLE 4

#5788
ORIG

Crystal Growth and Structure of $K_2Al_2Si_3O_{10}\cdot KCl$: A New Anhydrous Zeolite-type Phase With the Edingtonite Framework

FOR DEPOSIT

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Key Words: $K_2Al_2Si_3O_{10}\cdot KCl$, zeolite-type phase, crystal growth, structure

Table 4 : $K_2Al_2Si_3O_{10}\cdot KCl$: Observed and calculated structure factors.

Table 4. $K_2Al_2Si_3O_{10} \cdot KCl$

H	K	L	F(OBS)	F(CALC)	A(CALC)	B(CALC)
0	0	1	40.833	41.184	-41.184	0.000
0	0	2	103.377	100.843	100.843	0.000
0	0	3	20.349	16.441	-16.441	0.000
0	0	4	99.729	97.380	-97.380	0.000
0	0	5	30.426	29.292	29.292	0.000
0	0	6	4.636	4.986	4.986	0.000
0	0	7	12.484	14.046	14.046	0.000
0	0	8	47.841	46.609	98.609	0.000
1	0	1	12.580	11.748	0.000	11.748
1	0	2	55.618	55.565	0.000	-55.565
1	0	3	17.211	15.867	0.000	15.867
1	0	4	35.675	34.608	0.000	-34.608
1	0	5	4.750	4.904	0.000	4.904
1	0	6	12.785	13.164	0.000	-13.164
1	0	8	9.051	8.312	0.000	-8.312
1	1	0	53.675	60.978	60.978	0.000
1	1	1	19.129	18.640	3.586	18.291
1	1	2	99.110	96.494	-12.121	-95.730
1	1	3	9.079	10.142	8.954	4.904
1	1	4	33.082	32.385	-32.382	-2.010
1	1	5	31.266	30.654	8a.486	-15.394
1	1	6	54.316	54.193	15.876	51.816
1	1	7	10.827	12.646	10.358	-7.355
1	1	8	27.027	27.858	26.496	8.397
1	2	0	17.721	19.467	-19.467	0.000
1	2	1	15.588	14.040	4.850	-13.176
1	2	2	15.270	14.002	5.295	12.966
1	2	3	23.084	21.899	-10.589	-19.168
1	2	4	21.285	21.410	16.756	-13.328
1	2	5	9.039	8.370	-5.719	-6.112
1	2	6	18.289	19.028	0.368	-19.025
1	2	8	5.935	7.869	-7.246	-3.068
1	3	0	81.786	86.494	-86.494	0.000
1	3	1	83.284	84.680	58.904	60.932
1	3	2	60.581	56.705	-25.527	50.634
1	3	3	41.276	41.387	9.498	40.282
1	3	4	30.824	29.653	29.593	1.887
1	3	5	39.256	38.889	-4.542	-38.623
1	3	6	17.727	16.844	14.878	-7.859
1	3	7	28.395	29.569	15.460	-25.206
1	3	9	18.448	18.866	13.654	13.019
1	4	0	36.010	37.736	37.736	0.000
1	4	1	11.269	9.523	-5.674	7.648
1	4	2	18.743	18.446	13.456	-12.617
1	4	3	23.140	23.415	-23.093	3.867
1	4	4	22.017	21.562	1.287	-21.524
1	4	5	10.674	10.884	-10.559	-2.640
1	4	6	13.539	14.061	2.057	-13.909
1	4	7	9.942	10.574	10.549	0.728
1	4	8	5.544	5.699	-4.297	-3.741
1	4	9	6.997	8.361	8.201	1.625
1	5	0	46.111	48.067	-48.067	0.000
1	5	1	41.496	44.061	3.124	-43.950

SYNLEUCITE 4

H	K	L	F(OBS)	F(CALC)	A(CALC)	B(CALC)
1	5	2	12.541	13.739	6.137	12.651
1	5	3	48.041	47.659	10.788	-44.964
1	5	4	36.788	36.697	35.721	7.985
1	5	5	16.978	19.119	4.745	18.917
1	5	7	20.153	20.250	7.374	18.645
1	6	0	16.274	16.007	1.643	-16.989
1	6	0	6.509	6.139	6.139	0.000
1	6	1	19.753	20.542	-10.957	17.428
1	6	2	42.871	44.362	7.379	-43.761
1	6	3	24.865	32.769	-2.075	22.986
1	6	4	21.305	21.279	3.824	-21.083
1	6	5	4.063	4.896	4.625	-1.509
1	6	7	5.567	6.149	-0.326	-6.140
1	7	0	8.132	8.948	8.948	0.000
1	7	2	22.079	22.604	-6.761	21.567
1	7	3	33.348	34.001	33.665	-4.764
1	7	4	18.618	19.585	-16.142	10.984
1	7	5	23.220	23.250	22.696	-5.037
1	7	6	7.207	8.744	8.687	-5.634
1	7	8	19.747	20.304	20.359	-0.459
1	8	0	39.222	40.816	40.816	0.000
1	8	1	26.159	27.491	-23.401	-14.345
1	8	2	6.894	7.705	6.701	-3.768
1	8	3	14.686	14.875	10.899	-10.790
1	8	4	25.195	23.867	-23.685	-3.174
1	8	5	14.623	14.913	12.269	8.493
1	8	6	6.168	7.570	-2.805	-7.032
1	8	7	5.890	6.223	-5.056	3.688
1	8	8	11.281	12.627	11.960	-5.082
1	9	1	20.353	20.954	20.451	-3.926
1	9	2	17.614	19.132	-4.964	-17.467
1	9	3	10.174	10.740	10.312	-3.073
1	9	6	16.598	16.715	9.625	13.665
1	10	0	19.225	19.635	-19.635	0.000
1	10	1	8.222	10.391	1.744	-10.244
1	10	2	5.470	6.250	3.079	5.439
1	10	4	22.715	20.817	18.661	-9.227
1	10	5	16.728	16.414	-5.298	15.535
1	10	6	17.188	17.949	-1.186	-17.910
1	10	7	10.923	11.648	0.892	11.613
1	11	1	19.072	18.799	17.069	7.878
1	11	3	6.310	7.133	1.210	7.030
1	11	4	4.891	6.370	6.263	1.165
1	11	5	6.650	6.162	1.139	-6.055
1	12	0	18.079	17.677	-17.677	0.000
1	12	1	17.307	17.813	13.572	11.538
1	12	2	6.611	8.314	-1.364	-8.202
1	12	3	14.283	14.393	-5.553	11.576
1	12	4	14.708	14.708	12.634	-7.531
1	12	5	10.776	11.180	-10.140	-4.708
1	13	1	6.270	9.397	9.137	-2.194
1	13	3	10.537	11.212	11.109	-1.517
1	14	0	8.971	11.926	11.926	0.000

SYNLEUCITE 4

H	K	L	F(OBS)	F(CALC)	A(CALC)	B(CALC)
1	14	1	11.304	11.627	-7.819	9.029
1	14	3	9.567	11.046	7.140	8.455
2	0	0	11.728	10.166	10.166	0.000
2	0	1	5.328	6.899	6.899	0.000
2	0	2	56.308	54.503	54.503	0.000
2	0	3	13.846	15.750	15.750	0.000
2	0	4	68.020	67.937	67.937	0.000
2	0	5	21.342	20.509	20.509	0.000
2	0	6	13.437	13.572	13.572	0.000
2	0	8	16.093	17.773	-17.773	0.000
2	1	0	17.642	19.467	19.467	0.000
2	1	1	15.273	14.040	-4.850	13.176
2	1	2	14.215	14.002	-5.255	-12.966
2	1	3	22.772	21.599	10.599	19.168
2	1	4	21.915	21.410	-16.756	13.328
2	1	5	9.397	8.370	5.719	6.112
2	1	6	17.977	19.028	-0.363	19.025
2	1	7	5.3	2.861	-2.864	-0.316
2	1	8	8.487	7.969	7.246	3.048
2	2	0	105.939	111.967	111.967	0.000
2	2	1	106.493	104.601	70.073	74.957
2	2	2	34.750	35.715	32.719	-14.321
2	2	3	46.939	46.495	4.010	46.322
2	2	4	20.502	19.369	-18.833	-4.525
2	2	5	50.968	49.631	-4.411	-49.435
2	2	6	31.873	29.870	8.492	28.638
2	2	7	32.435	33.909	14.849	-29.816
2	2	8	21.858	23.798	20.981	11.416
2	2	9	17.693	18.931	10.057	16.039
2	3	0	10.069	11.552	-11.552	0.000
2	3	1	12.467	10.980	3.823	-10.293
2	3	2	57.970	56.843	7.879	56.294
2	3	3	26.993	24.990	-20.865	-13.752
2	3	4	32.356	31.558	20.114	24.318
2	3	5	11.604	11.107	-11.023	-1.362
2	3	7	8.018	8.118	7.665	2.674
2	3	8	10.742	12.383	-10.527	6.521
2	4	1	19.656	20.206	-18.758	7.512
2	4	2	45.015	43.057	40.103	15.674
2	4	3	40.981	40.310	40.241	-2.361
2	4	4	46.973	45.639	45.450	-4.146
2	4	5	29.031	29.414	29.145	-3.972
2	4	6	9.056	9.810	6.550	-7.303
2	4	7	3.181	6.958	-5.217	4.604
2	4	8	6.384	8.219	-7.854	2.423
2	5	0	10.509	9.290	9.290	0.000
2	5	1	8.625	8.871	8.284	3.171
2	5	2	6.032	4.754	4.252	2.127
2	5	3	23.736	24.196	-23.980	3.232
2	5	4	13.006	11.420	6.746	9.215
2	5	5	11.712	12.548	-11.081	5.887
2	5	6	9.102	8.860	3.503	8.138
2	5	7	12.376	12.172	10.779	5.653

SYNLEUCITE #4

H	K	L	F(OBS)	F(CALC)	A(CALC)	B(CALC)
2	5	8	5.533	6.240	-5.400	2.332
2	6	0	65.568	67.614	67.614	0.000
2	6	1	37.400	38.802	10.952	-37.224
2	6	2	60.864	60.486	38.883	46.332
2	6	3	36.265	36.390	-0.613	-36.385
2	6	4	11.899	11.443	2.926	11.061
2	6	5	13.534	13.497	1.445	13.417
2	6	6	21.228	20.759	2.850	-20.557
2	6	7	16.513	15.847	11.467	10.938
2	6	8	8.500	9.410	9.209	-1.787
2	7	0	35.499	39.548	39.548	0.000
2	7	1	23.604	24.392	-24.286	-1.789
2	7	2	18.465	18.311	0.906	18.289
2	7	3	17.580	16.002	15.395	-4.264
2	7	4	34.075	33.740	-29.450	16.465
2	7	5	20.542	19.981	18.337	-7.938
2	7	6	8.080	9.274	-2.049	9.045
2	7	7	8.671	9.710	-7.408	-6.277
2	7	8	14.810	15.275	14.323	5.307
2	8	0	13.919	15.161	15.161	0.000
2	8	2	32.861	33.422	19.977	-27.089
2	8	3	12.370	11.773	11.762	0.523
2	8	4	22.408	21.381	21.122	3.321
2	8	5	11.304	11.712	11.651	-1.196
2	8	6	19.100	19.052	8.227	17.184
2	8	7	5.555	6.594	4.064	-5.193
2	9	0	3.796	3.058	3.058	0.000
2	9	1	12.586	14.722	-14.188	-3.927
2	9	2	5.748	6.350	4.803	-4.153
2	9	3	7.127	8.360	5.863	-5.959
2	9	4	13.227	13.217	1.118	13.169
2	9	6	18.283	17.121	-3.080	16.842
2	9	7	6.877	6.116	-3.984	-4.641
2	10	0	24.343	24.514	24.514	0.000
2	10	1	12.926	12.810	9.929	8.094
2	10	2	23.192	23.315	21.253	-9.588
2	10	3	12.308	12.900	-9.836	8.346
2	10	4	13.500	13.407	13.386	-0.755
2	10	5	5.754	6.395	-3.972	-5.012
2	10	6	6.162	6.652	4.654	4.752
2	10	7	11.718	13.665	12.617	-5.247
2	11	0	32.423	32.154	-32.154	0.000
2	11	1	14.952	15.446	15.401	1.186
2	11	2	7.252	7.916	-1.581	7.756
2	11	3	.763	9.151	-9.119	-0.769
2	11	4	.108	23.614	23.048	5.137
2	11	5	13.170	14.123	-13.397	-4.469
2	12	0	19.265	18.587	18.587	0.000
2	12	1	5.629	7.226	-6.679	-2.759
2	12	2	13.420	13.956	12.878	5.379
2	12	3	8.404	8.998	8.298	-3.480
2	12	5	6.667	9.486	9.457	0.739
2	13	1	4.693	5.491	2.930	-4.632

SYNLEUCITE 4

H	K	L	F(OBS)	F(CALC)	A(CALC)	B(CALC)
2	13	2	6.920	9.508	-1.462	9.395
2	13	3	7.354	6.113	-0.418	-6.102
2	13	4	4.630	6.690	1.568	6.463
2	14	0	9.391	10.798	10.798	0.000
3	0	1	4.409	6.013	0.000	6.013
3	0	2	42.533	40.521	0.000	-40.521
3	0	3	23.180	22.507	0.000	22.507
3	0	4	40.351	39.429	0.000	-39.429
3	0	5	19.662	15.665	0.000	15.665
3	0	6	21.361	33.551	0.000	-33.551
3	0	7	4.619	3.840	0.000	3.840
3	0	8	8.852	11.131	0.000	-11.131
3	0	9	4.551	3.842	0.000	3.842
3	1	0	85.168	86.494	-86.494	0.000
3	1	1	83.721	84.680	58.804	60.932
3	1	2	59.877	94.705	-25.827	90.634
3	1	3	42.292	41.387	9.498	40.282
3	1	4	30.404	29.653	29.593	1.587
3	1	5	39.545	38.889	-4.542	-38.623
3	1	6	17.511	16.844	14.859	-7.859
3	1	7	33.463	29.549	15.460	-25.206
3	1	8	4.591	5.400	1.085	5.290
3	1	9	18.260	18.866	13.654	13.019
3	2	0	9.805	11.552	11.552	0.000
3	2	1	12.041	10.980	-3.823	10.293
3	2	2	57.545	56.843	-7.879	-56.294
3	2	3	26.398	24.990	20.865	13.752
3	2	4	31.244	31.558	-20.114	-24.318
3	2	5	12.518	11.106	11.023	1.362
3	2	7	7.297	8.118	-7.665	-2.674
3	2	8	9.771	12.383	10.527	-6.521
3	2	9	6.106	7.120	-7.006	1.268
3	3	0	30.461	29.788	-29.788	0.000
3	3	1	27.737	25.064	18.632	16.764
3	3	2	42.848	40.691	-26.623	-30.774
3	3	3	50.128	48.797	48.161	7.855
3	3	4	22.204	21.502	-16.337	-13.980
3	3	5	32.725	31.818	-31.700	-2.737
3	3	6	19.038	18.784	11.043	15.175
3	3	7	7.978	9.153	-5.710	7.153
3	3	8	26.125	25.259	24.672	5.410
3	3	9	5.862	8.851	-7.839	4.109
3	4	0	18.885	19.030	-19.030	0.000
3	4	1	14.373	15.318	14.659	-4.444
3	4	2	8.966	7.337	3.993	6.155
3	4	3	19.100	17.988	-17.812	-2.511
3	4	4	31.079	30.796	21.623	-21.928
3	4	5	15.514	14.556	-11.225	9.266
3	4	6	27.907	27.926	2.174	-27.841
3	4	7	10.452	11.409	7.161	8.881
3	4	8	12.949	13.133	-11.426	-6.475
3	5	0	45.084	42.894	42.894	0.000
3	5	2	48.988	47.275	-1.771	47.242

SYNLEUCITE 4

H	K	L	F(OBS)	F(CALC)	A(CALC)	B(CALC)
3	5	3	23.623	23.127	22.950	2.854
3	5	4	28.923	29.330	-26.319	-9.783
3	5	5	23.963	23.011	22.096	6.437
3	5	6	33.564	32.749	2.694	-31.574
3	5	7	6.469	6.252	3.743	4.993
3	5	8	23.645	23.240	24.711	-4.065
3	6	0	10.816	10.866	10.866	0.000
3	6	1	20.621	22.126	19.567	-10.347
3	6	2	15.247	15.702	-8.591	13.143
3	6	3	11.182	10.413	-4.283	-9.491
3	6	4	19.503	20.341	-13.433	-15.274
3	6	5	11.593	12.054	-0.019	11.650
3	6	6	25.285	26.197	4.044	-25.835
3	6	7	12.660	12.825	3.748	12.265
3	7	0	36.731	37.082	-37.082	0.000
3	7	1	38.959	40.082	33.982	-21.199
3	7	2	21.903	22.927	-4.835	-22.413
3	7	3	15.088	15.789	-1.791	-15.692
3	7	4	29.048	29.100	27.698	4.740
3	7	5	12.350	13.559	-1.990	12.432
3	7	6	19.804	19.603	11.617	15.790
3	7	7	14.839	14.656	13.633	5.380
3	8	0	11.417	11.465	11.465	0.000
3	8	1	18.561	19.468	-14.061	13.465
3	8	2	19.951	20.812	1.553	-20.764
3	8	3	16.984	17.686	14.159	10.597
3	8	4	11.281	10.690	-8.971	-5.815
3	8	5	18.306	17.088	12.097	-12.069
3	8	6	8.262	9.195	-2.197	8.928
3	8	7	12.489	12.646	-7.837	-9.926
3	9	1	24.741	25.248	20.215	15.126
3	9	2	13.301	14.001	1.449	-13.926
3	9	3	18.504	18.024	0.593	18.014
3	9	4	6.679	7.575	7.436	-1.434
3	9	5	5.323	4.436	-0.342	-4.425
3	9	6	8.733	8.725	7.504	4.451
3	9	7	12.450	12.310	9.921	-7.288
3	10	1	7.360	10.762	0.699	10.739
3	10	2	18.283	17.377	3.234	-17.073
3	10	3	9.272	11.556	-0.738	11.532
3	10	4	8.886	10.307	8.083	-6.395
3	10	5	5.317	6.824	-4.067	-5.480
3	10	6	5.924	5.479	-1.793	5.178
3	11	0	5.578	6.839	6.839	0.000
3	11	1	6.736	8.581	-2.800	-8.112
3	11	2	10.135	10.556	5.584	8.958
3	11	3	16.184	15.404	12.219	-9.379
3	11	5	10.015	11.309	10.828	3.264
3	12	0	15.400	15.418	-15.418	0.000
3	12	1	7.190	9.561	4.946	-8.182
3	12	3	5.328	8.036	-0.906	-7.985
3	12	4	9.641	11.479	11.479	0.042
3	12	5	5.396	6.391	-3.871	5.085

SYNLEUCITE 4

H	K	L	F(OBS)	F(CALC)	A(CALC)	B(CALC)
3	13	0	4.262	2.930	2.930	0.000
3	13	1	4.647	6.152	5.761	2.157
3	13	3	5.987	7.849	7.748	1.258
3	14	0	13.131	12.740	12.740	0.000
3	14	1	5.850	8.909	-4.501	-7.602
3	14	2	9.079	9.887	2.209	9.628
4	0	0	25.450	26.389	26.389	0.000
4	0	1	51.439	52.390	52.390	0.000
4	0	2	57.550	55.601	55.601	0.000
4	0	3	25.785	26.006	-26.006	0.000
4	0	4	55.627	54.778	54.778	0.000
4	0	5	33.298	31.241	-31.241	0.000
4	0	6	4.891	4.610	4.610	0.000
4	0	7	26.012	26.454	26.454	0.000
4	0	8	12.177	13.174	-13.174	0.000
4	0	9	30.994	29.876	29.876	0.000
4	1	0	38.484	37.736	-37.736	0.000
4	1	1	12.058	9.523	5.674	-7.648
4	1	2	18.641	19.446	-13.486	12.617
4	1	3	22.851	23.415	23.093	-3.867
4	1	4	23.129	21.562	-1.287	21.524
4	1	5	10.146	10.884	10.559	2.640
4	1	6	12.189	14.061	-2.057	13.909
4	1	7	10.751	10.574	-10.549	-0.728
4	1	8	5.191	5.699	4.299	3.741
4	1	9	6.679	8.361	-8.201	-1.629
4	2	1	19.174	20.206	-18.758	7.512
4	2	2	44.386	43.057	40.103	15.674
4	2	3	41.912	40.310	40.241	-2.361
4	2	4	47.193	45.639	45.450	-4.146
4	2	5	29.354	29.414	29.145	-3.972
4	2	6	10.038	9.810	6.550	-7.303
4	2	7	4.795	6.958	-5.217	4.604
4	2	8	6.730	8.219	-7.854	2.423
4	3	0	17.165	19.030	19.030	0.000
4	3	1	13.779	15.318	-14.659	4.444
4	3	2	8.744	7.337	-3.993	-6.155
4	3	3	19.730	17.988	17.812	2.511
4	3	4	30.670	30.796	-21.623	21.927
4	3	5	14.947	14.556	11.225	-9.266
4	3	6	28.401	27.926	-2.174	27.841
4	3	7	10.146	11.409	-7.161	-8.881
4	3	8	11.338	13.133	11.426	6.475
4	3	9	4.687	5.701	-5.699	0.361
4	4	0	128.481	131.967	131.967	0.000
4	4	1	4.545	5.485	2.427	4.919
4	4	2	42.899	42.939	36.550	21.371
4	4	3	16.592	16.669	13.511	9.764
4	4	4	46.945	44.829	-41.769	-16.279
4	4	5	23.850	22.255	18.743	11.998
4	4	6	27.044	28.554	4.840	-28.141
4	4	7	8.750	11.288	4.843	10.196
4	4	8	32.464	31.729	31.301	-5.198

SYNLSUCITE 4

H	K	L	F(OBS)	F(CALC)	A(CALC)	B(CALC)
4	5	0	24.756	23.802	-23.802	0.000
4	5	1	21.166	22.546	19.906	-10.435
4	5	2	43.251	41.800	-10.249	40.519
4	5	3	13.295	13.511	-6.846	-11.648
4	5	4	14.504	14.086	7.254	12.068
4	5	5	8.943	9.113	-6.782	5.931
4	5	6	8.835	10.061	3.347	-9.486
4	5	7	8.954	8.870	3.968	7.983
4	6	0	18.158	16.798	16.798	0.000
4	6	1	9.631	9.283	8.940	2.499
4	6	2	48.857	47.495	26.113	-39.672
4	6	3	6.214	6.306	0.845	6.249
4	6	4	35.182	33.122	32.955	-3.526
4	6	5	6.946	7.853	7.625	1.878
4	6	6	20.553	20.243	11.236	16.831
4	6	7	9.749	10.866	10.490	-2.836
4	6	8	7.700	8.822	-8.688	-1.530
4	7	0	26.897	26.998	-26.998	0.000
4	7	1	29.936	28.464	27.630	-6.640
4	7	2	27.532	27.045	-14.865	22.594
4	7	3	13.329	12.543	-5.276	-11.379
4	7	4	11.440	11.576	3.392	11.068
4	7	5	6.265	8.058	-8.045	-0.454
4	8	0	13.063	13.627	13.627	0.000
4	8	1	30.500	32.069	31.289	7.031
4	8	2	19.912	19.796	17.626	-9.011
4	8	3	16.411	16.482	-11.814	11.493
4	8	4	19.509	18.369	17.588	-5.303
4	8	5	9.289	9.764	-9.704	1.075
4	8	6	5.953	6.657	6.276	-2.221
4	8	7	15.349	16.229	15.815	-3.643
4	9	0	6.577	7.818	7.819	0.000
4	9	1	22.238	22.637	-9.063	20.743
4	9	2	9.879	11.255	-0.173	-11.254
4	9	3	17.948	18.291	6.852	17.153
4	9	4	7.184	8.506	-7.377	4.235
4	9	5	19.185	18.395	5.131	-17.665
4	9	6	18.817	17.102	-1.214	17.058
4	9	7	13.091	14.037	-3.319	-13.640
4	10	0	19.702	19.480	19.480	0.000
4	10	1	12.699	13.617	-12.073	-6.298
4	10	2	16.796	16.370	16.214	2.257
4	10	3	17.591	17.232	16.375	-5.367
4	10	4	8.035	9.621	8.604	-4.305
4	10	5	17.387	17.037	15.272	7.551
4	10	6	6.702	7.474	3.090	-6.806
4	11	0	4.874	7.652	-7.652	0.000
4	12	0	13.051	12.766	12.766	0.000
4	12	2	16.189	15.362	10.156	11.526
4	13	1	12.960	14.258	-1.291	-14.200
4	13	2	17.267	16.844	-0.218	16.843
4	13	3	14.470	14.447	0.369	-14.442
4	14	0	4.942	4.676	4.676	0.000

SYNLEUCITE 4

H	K	L	F(OBS)	F(CALC)	A(CALC)	B(CALC)
5	0	1	17.806	19.725	0.000	-19.725
5	0	2	7.019	5.707	0.000	-5.707
5	0	3	21.313	21.203	0.000	-21.203
5	0	4	9.613	8.118	0.000	-8.118
5	0	5	7.967	8.711	0.000	8.711
5	0	6	15.701	14.032	0.000	-14.032
5	0	7	7.763	8.969	0.000	8.969
5	1	0	50.066	48.067	-48.067	0.000
5	1	1	44.618	44.061	3.104	-43.980
5	1	2	13.256	13.739	5.307	12.651
5	1	3	48.585	47.659	15.799	-44.964
5	1	4	37.480	36.597	28.721	7.955
5	1	5	18.906	18.119	6.745	16.817
5	1	6	6.028	6.345	6.242	0.398
5	1	7	20.144	20.050	7.374	18.645
5	1	9	16.893	16.007	11.643	-10.985
5	2	0	10.679	9.290	-9.290	0.000
5	2	1	8.007	8.871	-8.284	-3.171
5	2	2	6.543	4.754	-4.252	-2.127
5	2	3	24.326	24.196	23.979	-3.232
5	2	4	12.297	11.420	-5.746	-9.215
5	2	5	11.247	12.548	11.021	-5.887
5	2	6	8.228	8.860	-3.503	-8.138
5	2	7	12.597	12.172	-10.779	-5.653
5	2	8	5.306	6.240	5.900	-2.032
5	3	0	42.167	42.893	42.893	0.000
5	3	2	47.541	47.275	-1.771	47.242
5	3	3	23.430	23.127	22.951	2.854
5	3	4	28.849	28.330	-28.319	-0.783
5	3	5	23.021	23.011	22.095	6.427
5	3	6	33.065	32.749	8.694	-31.574
5	3	7	5.833	6.252	3.763	4.993
5	3	8	23.691	25.240	24.911	-4.065
5	4	0	23.294	23.802	23.802	0.000
5	4	1	20.734	22.546	-19.986	10.435
5	4	2	42.808	41.800	10.269	-40.519
5	4	3	12.217	13.511	6.846	11.648
5	4	4	15.230	14.086	-7.264	-12.068
5	4	5	7.740	9.115	6.922	-5.931
5	4	6	8.370	10.061	-3.347	9.488
5	4	7	6.423	8.870	-3.968	-7.938
5	4	8	5.249	4.377	3.602	-2.486
5	5	0	14.078	14.533	-14.533	0.000
5	5	1	26.358	27.637	27.614	1.143
5	5	2	47.654	46.774	-5.363	-46.465
5	5	3	7.116	6.061	-0.101	6.061
5	5	4	13.182	13.273	12.966	-2.838
5	5	5	6.338	6.651	5.370	3.925
5	5	6	30.012	29.021	14.423	25.183
5	5	7	10.015	12.413	12.411	-0.250
5	6	0	22.460	21.584	-21.584	0.000
5	6	1	19.316	20.851	20.526	-3.664
5	6	2	11.462	10.636	-5.572	9.060

SYNLEUCITE 4

H	K	L	F(OBS)	F(CALC)	A(CALC)	B(CALC)
5	6	3	5.774	6.200	-5.228	-3.333
5	6	4	17.545	17.132	11.418	-12.772
5	6	5	9.913	10.181	-7.525	6.857
5	6	6	21.018	20.499	2.865	-20.298
5	6	7	8.432	8.278	2.920	7.746
5	6	8	5.585	6.504	-5.376	-3.714
5	7	0	4.256	4.591	-4.591	0.000
5	7	1	39.805	39.395	35.593	16.865
5	7	2	6.741	6.254	-5.788	-2.369
5	7	3	16.359	15.949	-1.795	15.854
5	7	4	4.857	6.080	1.863	5.781
5	7	5	13.755	14.322	-3.711	-13.833
5	7	6	13.715	12.514	10.379	6.991
5	7	7	18.970	19.207	13.255	-13.901
5	8	0	9.068	8.909	-8.909	0.000
5	8	1	17.994	17.189	17.103	1.721
5	8	3	15.781	14.289	-14.172	1.828
5	8	4	16.956	15.660	10.149	-11.926
5	8	5	13.426	12.445	-11.986	3.349
5	8	6	14.385	15.807	2.951	-15.529
5	8	7	8.001	9.362	7.473	5.613
5	9	0	9.289	7.860	-7.860	0.000
5	9	1	9.539	9.932	1.654	-9.793
5	9	3	27.720	25.994	24.766	-7.895
5	9	5	21.455	21.011	17.800	11.164
5	9	6	5.408	6.309	4.026	-4.858
5	9	7	9.210	11.037	-3.936	10.311
5	10	0	16.325	14.861	14.861	0.000
5	10	1	19.900	19.394	-13.716	13.711
5	10	2	22.721	22.965	4.285	-22.562
5	10	3	20.547	17.998	8.238	16.002
5	10	4	11.559	12.519	-7.057	-10.340
5	10	5	7.343	8.740	8.546	-1.830
5	11	1	7.661	10.463	10.462	0.162
5	11	2	15.497	16.562	-1.330	16.509
5	11	3	12.881	12.688	12.519	-2.063
5	11	5	6.429	6.645	5.997	-2.861
5	12	0	12.404	12.223	12.223	0.000
5	12	1	7.774	8.205	-5.854	-5.748
5	12	3	8.069	7.490	7.219	-1.995
5	12	4	10.685	11.607	-10.836	-4.160
5	13	0	10.044	11.988	-11.988	0.000
5	13	1	12.245	13.503	13.458	-1.099
6	0	0	24.758	24.439	24.439	0.000
6	0	1	39.812	38.785	-38.785	0.000
6	0	2	43.029	41.636	41.636	0.000
6	0	3	42.099	40.973	40.973	0.000
6	0	4	33.513	32.539	32.539	0.000
6	0	5	31.198	31.381	31.381	0.000
6	0	7	6.588	8.104	-8.104	0.000
6	1	0	7.144	8.129	-8.129	0.000
6	1	1	22.102	20.542	10.857	-17.438
6	1	2	44.908	44.362	-7.275	43.761

SYNLEUCITE/4

H	K	L	F(OBS)	F(CALC)	A(CALC)	B(CALC)
6	1	3	24.559	22.769	2.876	-22.586
6	1	4	21.387	21.279	-2.884	21.089
6	1	5	6.582	4.898	-4.606	1.609
6	1	7	5.351	6.149	0.326	6.140
6	2	0	68.298	67.614	67.614	0.000
6	2	1	38.456	38.802	10.982	-37.224
6	2	2	62.992	60.486	38.383	44.332
6	2	3	37.293	36.390	-0.615	-36.385
6	2	4	11.877	11.442	2.926	11.061
6	2	5	13.953	13.497	1.466	13.417
6	2	6	21.461	20.759	2.890	-20.557
6	2	7	14.884	15.847	11.467	10.938
6	2	8	9.471	9.410	9.239	-1.787
6	3	0	10.600	10.866	-10.866	0.000
6	3	1	21.092	22.126	-19.547	10.367
6	3	2	13.976	15.702	8.591	-13.143
6	3	3	10.969	10.412	4.282	9.491
6	3	4	20.127	20.341	13.433	15.274
6	3	5	12.546	12.034	3.018	-11.650
6	3	6	25.382	26.157	-4.094	25.835
6	3	7	10.549	12.825	-3.748	-12.265
6	4	0	17.035	16.798	16.798	0.000
6	4	1	7.399	9.283	8.940	2.499
6	4	2	47.433	47.495	26.113	-39.672
6	4	3	4.920	6.306	0.845	6.249
6	4	4	35.080	33.122	32.955	-3.326
6	4	5	5.867	7.853	7.625	1.878
6	4	6	18.987	20.243	11.246	16.831
6	4	7	10.248	10.866	10.490	-2.833
6	4	8	7.632	8.822	-8.688	-1.530
6	5	0	22.323	21.584	21.584	0.000
6	5	1	19.305	20.851	-20.526	3.664
6	5	2	11.315	10.636	5.572	-9.060
6	5	3	5.589	6.200	5.228	3.333
6	5	4	18.045	17.132	-11.418	12.772
6	5	5	8.387	10.181	7.525	-6.857
6	5	6	22.369	20.499	-2.865	20.298
6	5	7	8.614	8.278	-2.920	-7.746
6	5	8	4.681	6.534	5.376	3.714
6	6	0	32.174	33.499	33.499	0.000
6	6	1	31.726	33.151	30.886	12.043
6	6	2	19.412	19.964	19.928	-1.187
6	6	3	16.201	15.838	-13.540	8.217
6	6	4	10.095	9.616	7.851	5.554
6	6	5	20.621	19.998	-9.191	-17.761
6	6	6	12.070	11.567	8.168	8.190
6	6	7	22.891	22.662	16.859	-15.144
6	7	0	17.455	15.622	-15.622	0.000
6	7	1	10.543	11.828	11.363	-3.284
6	7	2	23.237	21.212	-4.422	20.746
6	7	3	9.448	10.164	-8.442	-5.661
6	7	4	12.569	10.787	8.361	6.816
6	7	5	5.646	7.569	-7.567	-0.156

SYNLEUCITE 4

H	K	L	F(OBS)	F(CALC)	A(CALC)	B(CALC)
6	7	6	5.856	4.795	2.428	-4.099
6	7	7	5.657	5.481	4.585	2.994
6	8	0	18.130	17.190	17.190	0.000
6	8	1	13.488	15.486	-12.187	-9.600
6	8	2	18.136	17.271	16.654	4.868
6	8	3	25.166	24.550	21.511	-11.832
6	8	4	10.237	10.674	10.663	-0.473
6	8	5	20.002	19.133	18.778	3.669
6	9	1	6.554	7.042	4.989	-6.068
6	9	2	14.561	14.714	1.836	14.599
6	9	3	15.962	14.446	-12.799	-6.703
6	9	4	7.751	9.978	9.290	3.643
6	9	5	7.502	7.652	-7.379	2.027
6	10	0	28.389	26.761	26.761	0.000
6	10	2	17.699	16.882	12.089	11.784
6	10	3	12.858	12.368	11.795	3.721
6	10	4	4.903	6.657	-5.220	-4.132
6	10	5	7.785	9.295	9.170	-1.514
6	10	6	9.476	10.716	0.852	-10.679
6	11	0	20.672	18.747	18.747	0.000
6	11	1	9.607	10.087	-9.935	1.744
6	11	3	10.362	10.774	10.702	1.243
6	11	4	21.574	19.562	-19.322	3.053
6	11	5	10.095	10.612	10.368	-2.264
6	12	0	4.852	4.755	-4.755	0.000
6	12	1	5.289	9.191	8.179	0.428
6	12	2	7.036	9.619	6.617	-6.981
6	12	4	15.662	15.881	15.879	-0.276
6	13	2	5.941	8.063	-2.353	-7.712
7	0	2	27.340	27.695	0.000	27.695
7	0	3	4.715	2.792	0.000	-2.792
7	0	4	15.247	15.947	0.000	-15.947
7	0	6	28.491	29.680	0.000	-29.680
7	0	7	6.395	7.352	0.000	7.352
7	1	0	8.393	8.948	8.948	0.000
7	1	1	5.453	5.311	4.338	-3.064
7	1	2	22.806	22.604	-6.761	21.569
7	1	3	34.376	34.001	33.665	-4.764
7	1	4	20.320	19.525	-16.142	10.984
7	1	5	23.572	23.251	22.698	-5.037
7	1	6	8.654	8.744	6.687	-5.634
7	1	8	20.298	20.364	20.359	-0.459
7	2	0	37.400	39.548	-39.548	0.000
7	2	1	25.149	24.352	24.266	1.789
7	2	2	18.056	18.311	-0.906	-18.289
7	2	3	17.818	16.002	-15.395	4.364
7	2	4	34.325	33.740	29.450	-16.485
7	2	5	20.752	19.981	-16.337	7.938
7	2	6	8.983	9.274	2.049	-9.045
7	2	7	7.882	9.710	7.408	6.277
7	2	8	15.037	15.275	-14.323	-5.307
7	3	0	37.207	37.082	-37.082	0.000
7	3	1	40.635	40.052	33.982	-21.199

SYNLEUCITE #4

H	K	L	F(OBS)	F(CALC)	A(CALC)	B(CALC)
7	3	2	22.267	22.927	-4.828	-22.413
7	3	3	15.259	15.789	-1.751	-15.692
7	3	4	28.968	28.100	27.698	4.740
7	3	5	11.695	12.553	-1.570	12.452
7	3	6	17.687	19.603	11.617	15.790
7	3	7	13.971	14.656	13.633	5.380
7	4	0	26.318	26.988	26.988	0.000
7	4	1	29.331	28.464	-27.630	6.840
7	4	2	27.532	27.045	14.865	-22.594
7	4	3	12.785	12.543	5.276	11.379
7	4	4	9.981	11.576	-3.392	-11.068
7	4	5	8.909	8.058	8.045	0.454
7	4	7	5.459	5.351	-3.329	-4.189
7	4	8	5.255	3.997	0.180	-3.993
7	5	0	4.653	4.591	-4.591	0.000
7	5	1	39.625	39.395	35.593	16.885
7	5	2	6.804	6.254	-5.788	-2.369
7	5	3	15.785	15.949	-1.735	15.854
7	5	4	5.953	6.080	-1.883	5.781
7	5	5	14.396	14.322	-3.711	-13.833
7	5	6	11.996	12.514	10.379	6.991
7	5	7	18.760	19.207	13.255	-13.900
7	6	0	16.286	15.622	15.622	0.000
7	6	1	10.441	11.828	-11.063	3.284
7	6	2	21.779	21.212	4.422	-20.746
7	6	3	8.778	10.164	8.442	5.661
7	6	4	10.781	10.787	-8.361	-6.816
7	6	5	5.476	7.569	7.567	0.156
7	7	1	11.582	15.117	-3.011	-14.814
7	7	2	13.596	13.502	1.553	13.412
7	7	3	30.818	29.560	21.963	-19.784
7	7	4	9.527	10.505	6.395	8.334
7	7	5	16.836	17.074	17.054	0.811
7	8	2	7.326	6.800	4.815	4.801
7	8	3	8.858	8.881	-8.748	-1.528
7	8	4	11.542	11.398	9.034	-6.949
7	8	5	6.429	7.220	-5.533	4.639
7	8	6	12.489	11.392	0.758	-11.367
7	9	0	15.786	13.991	13.991	0.000
7	9	2	24.139	22.742	3.071	22.533
7	9	3	12.211	13.120	13.110	0.509
7	9	4	7.678	7.405	-7.384	0.559
7	9	6	12.699	13.591	2.259	-13.401
7	10	0	7.700	8.583	8.583	0.000
7	10	1	6.384	7.536	1.473	-7.391
7	10	2	14.623	14.370	3.662	13.895
7	10	3	10.855	10.676	-7.521	-7.578
7	10	5	6.004	5.627	-2.765	4.900
7	11	0	6.089	8.078	-8.078	0.000
7	11	1	8.506	9.824	6.995	6.899
7	11	2	18.697	17.510	0.942	-17.585
7	11	3	7.626	8.995	6.840	5.841
7	11	4	10.101	9.532	9.613	0.604

SYNLEUCITE-4

H	K	L	F(OBS)	F(CALC)	A(CALC)	B(CALC)
7	12	0	4.693	3.701	3.701	0.000
7	12	2	12.495	13.405	-0.901	-13.376
7	12	3	7.195	7.437	3.489	6.568
8	0	0	50.684	47.540	47.540	0.000
8	0	1	15.395	15.651	15.651	0.000
8	0	2	14.129	14.561	14.561	0.000
8	0	3	16.422	17.125	17.125	0.000
8	0	4	16.144	15.305	-15.305	0.000
8	0	5	12.524	11.539	11.539	0.000
8	0	8	21.257	19.574	19.574	0.000
8	1	0	41.497	40.816	-40.816	0.000
8	1	1	27.044	27.491	23.451	14.345
8	1	2	4.977	7.705	-6.721	3.766
8	1	3	14.765	14.875	-10.239	10.790
8	1	4	23.946	23.867	23.655	3.174
8	1	5	15.503	14.913	-12.259	-8.493
8	1	6	5.368	7.571	2.803	7.032
8	1	8	11.094	12.627	-11.560	5.082
8	2	0	14.243	15.161	15.161	0.000
8	2	2	34.711	33.422	19.577	-27.089
8	2	3	12.756	11.773	11.762	0.523
8	2	4	23.958	21.381	21.142	3.321
8	2	5	10.316	11.712	11.651	-1.196
8	2	6	18.907	19.052	8.227	17.184
8	2	7	5.845	6.594	4.064	-5.193
8	3	0	10.662	11.464	-11.464	0.000
8	3	1	19.991	19.468	14.061	-13.465
8	3	2	20.672	20.812	-1.553	20.754
8	3	3	18.033	17.686	-14.159	-10.597
8	3	4	10.265	10.690	8.971	5.815
8	3	5	17.392	17.088	-12.097	12.069
8	3	6	6.724	9.195	2.197	-8.928
8	3	7	12.943	12.646	7.837	9.926
8	4	0	11.655	13.627	13.627	0.000
8	4	1	31.278	32.069	31.289	7.031
8	4	2	20.439	19.796	17.626	-9.011
8	4	3	16.450	16.482	-11.814	11.493
8	4	4	21.149	18.369	17.567	-5.303
8	4	5	7.695	9.764	-9.704	1.075
8	4	7	16.819	16.229	15.815	-3.643
8	5	0	7.002	8.909	8.909	0.000
8	5	1	16.933	17.189	-17.103	-1.721
8	5	3	14.629	14.289	14.172	-1.828
8	5	4	16.711	15.660	-10.149	11.926
8	5	5	10.804	12.445	11.986	-3.349
8	5	6	14.532	15.807	-2.951	15.529
8	5	7	9.584	9.362	-7.493	-5.613
8	6	0	17.494	17.190	17.190	0.000
8	6	1	13.982	15.486	-12.147	-9.605
8	6	2	17.931	17.271	16.656	4.568
8	6	3	24.514	24.550	21.511	-11.832
8	6	4	9.556	10.674	10.663	-0.473
8	6	5	18.618	19.133	18.778	3.669

SYNEUCLITE 4

H	K	L	F(OBS)	F(CALC)	A(CALC)	B(CALC)
8	6	7	6.446	7.528	-3.906	6.435
8	7	2	6.560	6.800	-4.815	-4.801
8	7	3	8.052	8.881	8.748	1.528
8	7	4	12.001	11.398	-9.034	6.949
8	7	5	6.673	7.220	5.583	-4.639
8	7	6	12.665	11.392	-0.758	11.367
8	8	0	34.472	32.941	32.941	0.000
8	8	2	31.942	30.493	18.872	23.952
8	8	3	4.840	5.364	4.962	-2.089
8	8	6	19.168	18.615	0.739	-18.600
8	9	1	4.818	6.620	2.921	-5.940
8	9	2	16.297	15.156	-0.958	15.136
8	9	3	10.072	10.143	-5.166	-8.728
8	9	4	7.048	7.083	1.857	6.835
8	10	1	5.436	6.587	5.229	4.006
8	10	2	24.304	21.080	10.676	-18.177
8	10	3	5.691	5.077	-1.086	.960
8	10	4	25.064	22.315	21.930	.130
8	11	0	8.046	8.754	-8.754	0.000
8	11	1	8.251	9.381	8.447	-4.079
8	11	2	8.540	8.628	-3.466	7.901
8	11	3	7.519	8.433	-4.914	-6.853
8	12	0	23.666	21.510	21.510	0.000
8	12	1	7.150	7.659	1.161	7.572
8	12	2	11.933	12.083	9.139	-7.904
9	0	1	27.493	27.293	0.000	27.293
9	0	2	41.622	37.178	0.000	-37.178
9	0	3	24.338	24.092	0.000	24.092
9	0	4	10.793	10.829	0.000	-10.828
9	0	5	18.408	17.445	0.000	-17.445
9	0	6	18.970	17.691	0.000	17.691
9	0	7	14.067	13.543	0.000	-13.543
9	1	1	21.994	20.864	20.491	-3.926
9	1	2	18.448	18.132	-4.864	-17.467
9	1	3	8.557	10.760	10.312	-3.073
9	1	5	7.025	7.348	7.327	0.556
9	1	6	16.728	16.715	9.625	13.665
9	2	1	14.283	14.722	14.188	3.927
9	2	2	6.429	6.350	-4.803	4.153
9	2	3	7.570	8.360	-5.863	5.959
9	2	4	14.027	13.217	-1.118	-13.169
9	2	5	5.652	6.508	-4.667	4.536
9	2	6	18.323	17.121	3.080	-16.842
9	3	1	25.989	25.249	20.215	15.126
9	3	2	13.891	14.001	1.449	-13.925
9	3	3	19.117	18.024	0.593	18.014
9	3	4	8.007	7.575	7.438	-1.434
9	3	6	8.302	8.725	7.504	4.451
9	3	7	9.720	12.310	9.921	-7.288
9	4	0	7.859	7.818	-7.818	0.000
9	4	1	23.311	22.637	9.063	-20.743
9	4	2	10.458	11.255	0.173	11.254
9	4	3	17.392	18.291	-6.352	-17.153

SYNLEUCITE 4

H	K	L	F(OBS)	F(CALC)	A(CALC)	B(CALC)
9	4	4	7.110	8.506	7.377	-4.235
9	4	5	18.595	18.395	-5.131	17.665
9	4	6	17.449	17.102	1.214	-17.059
9	4	7	12.058	14.037	3.316	13.640
9	5	0	8.705	7.860	-7.860	0.000
9	5	1	8.404	9.932	1.454	-9.793
9	5	3	25.910	25.994	24.706	-7.995
9	5	5	20.927	21.011	17.80[illegible]	11.164
9	5	7	7.910	11.037	-3.936	10.311
9	6	1	6.162	7.042	-4.889	5.068
9	6	2	12.688	14.714	-1.836	-14.599
9	6	3	16.002	14.448	12.799	6.703
9	6	4	9.147	9.978	-9.290	-3.643
9	6	5	7.462	7.652	7.379	-2.027
9	7	0	14.010	13.991	13.991	0.000
9	7	2	23.311	22.742	3.071	22.533
9	7	3	12.745	13.120	13.110	0.509
9	7	4	5.987	7.405	-7.084	0.559
9	7	5	6.089	8.227	8.155	-1.091
9	7	6	13.613	13.591	2.260	-13.401
9	8	2	15.375	15.156	0.958	-15.124
9	8	3	10.961	10.143	5.166	8.728
9	8	4	8.183	7.083	-1.857	-6.836
9	9	0	23.668	22.439	-22.439	0.000
9	9	1	14.827	14.717	14.586	1.962
9	9	2	14.861	14.985	0.687	-14.969
9	9	4	25.007	21.694	21.633	-1.625
9	11	1	14.504	15.905	15.791	1.925
10	0	0	18.198	17.186	17.186	0.000
10	0	1	6.378	6.820	6.820	0.000
10	0	2	14.402	14.357	14.357	0.000
10	0	4	11.150	12.029	12.029	0.000
10	0	6	7.456	7.576	7.576	0.000
10	1	0	20.621	19.635	19.635	0.000
10	1	1	8.688	10.391	-1.744	10.243
10	1	2	5.930	6.250	-3.079	-5.439
10	1	3	6.242	6.350	3.293	5.430
10	1	4	21.427	20.817	-18.661	9.227
10	1	5	17.574	16.414	5.298	-15.535
10	1	6	18.584	17.949	1.186	17.910
10	1	7	10.827	11.648	-0.892	-11.613
10	2	0	24.593	24.514	24.514	0.000
10	2	1	12.711	12.810	4.929	8.094
10	2	2	25.229	23.315	21.253	-9.588
10	2	3	15.043	12.900	-9.836	8.346
10	2	4	14.135	13.407	13.386	-0.755
10	2	5	5.073	6.395	-3.972	-5.012
10	2	6	6.128	6.652	4.655	4.752
10	2	7	14.572	13.665	12.617	-5.247
10	3	0	6.270	6.981	6.981	0.000
10	3	1	8.557	10.762	-0.699	-10.739
10	3	2	18.936	17.377	-3.234	17.073
10	3	3	11.553	11.556	0.738	-11.532

SYNLEUCTTE 4

H	K	L	F(OBS)	F(CALC)	A(CALC)	B(CALC)
10	3	4	7.995	10.307	-8.083	6.395
10	3	5	4.846	6.824	4.067	5.480
10	3	6	4.795	5.479	1.793	-5.178
10	4	0	20.587	19.480	19.480	0.000
10	4	1	12.762	13.617	-12.073	-6.298
10	4	2	16.950	16.370	16.214	2.257
10	4	3	18.873	17.232	16.375	-5.367
10	4	4	9.300	9.621	8.604	-4.305
10	4	5	17.835	17.037	15.272	7.551
10	4	6	5.803	7.474	3.060	-6.806
10	5	0	14.527	14.861	-14.861	0.000
10	5	1	21.132	19.394	13.716	-13.711
10	5	2	24.009	22.965	-4.285	22.562
10	5	3	18.981	17.998	-8.238	-16.002
10	5	4	13.136	12.519	7.057	10.340
10	5	5	7.405	8.740	-8.546	1.830
10	6	0	26.244	26.761	26.761	0.000
10	6	2	16.189	16.882	12.089	11.784
10	6	3	13.676	12.368	11.795	3.721
10	6	4	6.809	6.657	-5.280	-4.132
10	6	5	9.045	9.295	9.170	-1.514
10	6	6	10.390	10.716	0.852	-10.679
10	7	0	7.042	8.583	-8.583	0.000
10	7	1	5.430	7.506	-1.472	7.391
10	7	2	12.331	14.370	-3.662	-13.895
10	7	3	10.233	10.676	7.521	7.578
10	7	5	6.043	5.627	2.766	-4.900
10	8	1	5.992	6.587	5.229	4.006
10	8	2	22.948	21.080	10.676	-18.177
10	8	4	21.892	22.315	21.930	-4.130
10	9	0	3.966	2.156	2.156	0.000
10	9	3	6.304	5.306	4.785	2.361
10	9	4	5.340	4.853	-4.614	1.505
10	10	1	16.127	15.343	15.334	0.550
11	0	5	5.425	5.650	0.000	-5.650
11	0	6	4.784	4.244	0.000	4.244
11	1	1	20.509	18.799	17.069	7.878
11	1	3	5.896	7.133	1.210	7.030
11	1	4	6.009	6.370	6.263	1.165
11	1	6	5.062	6.589	6.069	2.565
11	2	0	35.443	32.154	32.154	0.000
11	2	1	16.575	15.446	-15.401	-1.186
11	2	2	7.632	7.916	1.581	-7.756
11	2	3	6.599	9.151	-9.119	0.769
11	2	4	23.686	23.614	-23.048	-5.137
11	2	5	14.107	14.123	10.397	4.469
11	3	1	8.875	8.581	-2.800	-8.112
11	3	2	11.179	10.556	5.584	8.958
11	3	3	15.083	15.404	12.219	-9.379
11	3	5	10.481	11.309	10.828	3.264
11	4	0	4.914	7.652	7.652	0.000
11	4	2	4.534	5.412	2.020	5.021
11	5	1	9.647	10.463	10.462	0.162

SYNLEUCITE-4

H	K	L	F(OBS)	F(CALC)	A(CALC)	B(CALC)
11	5	2	15.945	16.562	-1.330	16.508
11	5	3	10.713	12.688	12.519	-2.063
11	5	5	5.629	6.645	5.997	-2.861
11	6	0	16.762	18.747	-18.747	0.000
11	6	1	10.118	10.087	9.935	-1.744
11	6	3	11.536	10.774	-10.702	-1.243
11	6	4	19.923	19.562	19.[illegible]	-3.053
11	6	5	11.757	10.652	-10.388	2.264
11	7	0	6.780	8.078	-8.078	.000
11	7	1	10.736	9.824	6.995	6.899
11	7	2	17.999	17.610	0.942	-17.585
11	7	3	9.011	8.995	6.840	5.841
11	7	4	8.018	9.632	9.613	0.604
11	8	0	7.456	8.754	8.754	0.000
11	8	1	10.441	9.381	-8.448	4.079
11	8	2	8.620	8.628	3.466	-7.901
11	8	3	8.149	8.433	4.914	6.853
11	9	1	15.310	15.908	15.791	1.925
12	0	1	15.372	14.329	14.329	0.000
12	0	2	7.780	7.840	7.840	0.000
12	0	4	8.041	8.549	8.549	0.000
12	1	0	19.112	17.677	17.677	0.000
12	1	1	20.241	17.814	-13.572	-11.536
12	1	2	6.514	8.314	1.364	8.202
12	1	3	14.975	14.393	8.553	-11.576
12	1	4	15.208	14.708	-12.634	7.531
12	1	5	9.527	11.180	10.140	4.708
12	2	0	21.285	18.587	18.587	0.000
12	2	1	7.354	7.226	-6.679	-2.759
12	2	2	14.158	13.956	12.878	5.379
12	2	3	8.437	9.998	9.298	-3.480
12	2	5	7.814	9.486	9.457	0.729
12	3	0	16.706	15.418	15.418	0.000
12	3	1	7.269	9.561	-4.946	8.182
12	3	3	6.764	8.036	0.906	7.985
12	3	4	12.552	11.479	-11.479	-0.042
12	4	0	13.063	12.766	12.766	0.000
12	4	2	16.728	15.362	10.136	11.526
12	5	0	12.716	12.223	-12.223	0.000
12	5	1	5.334	8.205	5.854	5.748
12	5	3	6.667	7.490	-7.219	1.996
12	5	4	12.751	11.607	10.836	4.160
12	6	1	7.729	8.190	8.179	0.428
12	6	2	8.761	9.619	6.617	-6.981
12	6	4	16.836	15.881	15.879	-0.277
12	7	1	5.300	5.857	1.241	-5.724
12	7	2	11.871	13.405	0.901	13.375
12	7	3	7.558	7.437	-3.489	-6.568
12	8	0	21.972	21.510	21.510	0.000
12	8	2	10.208	12.083	9.139	-7.904
13	0	1	26.203	21.554	0.000	-21.554
13	0	2	15.202	14.150	0.000	14.150
13	0	3	19.889	17.993	0.000	-17.993

SYNLEUCITE 4

H	K	L	F(OBS)	F(CALC)	A(CALC)	B(CALC)
13	1	1	10.231	9.397	9.137	-2.194
13	1	3	11.933	11.212	11.109	-1.517
13	2	1	5.022	5.481	-2.930	4.632
13	2	2	9.136	9.508	1.462	-9.395
13	2	3	8.546	8.113	0.418	8.102
13	2	4	6.100	6.650	-1.565	-6.463
13	3	1	5.277	6.152	5.761	2.157
13	3	3	5.152	7.849	7.748	1.258
13	4	1	14.521	14.258	1.291	14.200
13	4	2	19.333	16.844	0.218	-16.843
13	4	3	16.484	14.447	-0.369	14.442
13	5	0	8.767	11.983	-11.983	0.000
13	5	1	13.702	13.503	13.498	-1.099
13	5	2	6.565	8.063	2.353	7.712
14	0	3	6.441	6.238	6.238	0.000
14	1	0	11.848	11.926	-11.926	0.000
14	1	1	13.029	11.627	7.813	-9.039
14	1	2	5.862	7.568	0.462	7.554
14	1	3	11.281	11.046	-7.140	-8.428
14	2	0	10.112	10.728	10.728	0.000
14	2	2	6.065	5.469	8.193	-2.323
14	3	0	13.460	12.740	-12.740	0.000
14	3	1	7.899	8.909	4.301	7.802
14	3	2	7.808	9.887	-2.205	-9.638

SYNLEUCITE 4

ALL REFLECTIONS	NUMERATOR	DENOMINATOR	NUMBER
WEIGHTED R	7002.06	2871307.50	978
UNWEIGHTED R	981.01	17163.88	978
RANGES OF F(OBS)			
	3304.79	2016961.38	687
	1158.87	590115.38	201
	700.05	182025.63	62
	702.62	46974.36	16
	3.62	5871.79	2
	241.60	11743.59	4
	719.91	14679.49	5
	170.61	2935.90	1
RANGES OF (SIN(THETA)/LAMBDA)**2			
	1811.69	184961.52	63
	777.56	284782.03	97
	484.06	361115.38	123
	598.24	419833.28	143
	637.94	393410.22	134
	973.75	446256.34	152
	773.97	396346.09	135
	944.85	384602.56	131

UNREJECTED REFLECTIONS

WEIGHTED R	7002.06	2871307.50	978
UNWEIGHTED R	981.01	17163.88	978
RANGES OF F(OBS)			
	3304.79	2016961.38	687
	1158.87	590115.38	201
	700.05	182025.63	62
	702.62	46974.36	16
	3.62	5871.79	2
	241.60	11743.59	4
	719.91	14679.49	5
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RANGES OF (SIN(THETA)/LAMBDA)**2			
	1811.69	184961.52	63
	777.56	284782.03	97
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	598.24	419833.28	143
	637.94	393410.22	134
	973.75	446256.34	152
	773.97	396346.09	135
	944.85	384602.56	131

SUM FCAL	17303.71
STANDARD DEV OF UNIT WEIGHT OBS	2.75