Cd 1 of 1

AM-86-301

Neutron diffraction studies of sillimanite

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Table 4 for deposit

American Mineralogist, 71, 5-6, 742-745. pp (1) 1-5 (1)
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Table 4

FO**2 - FC**2 LIST FOR SILLIMANITE
NEUTRON DATA AT 298K. F**2 VALUES ARE ON ABSOLUTE SCALE IN BARNS.

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*****************************************************************************
*                                                                           *
*     H,K,L --- INDICES OF REFLECTIONS.                                     *
*                                                                           *
*     FO**2 --- SQUARED OBSERVED STRUCTURE FACTOR (CORRECTED FOR EXTINCTION).  *
*                                                                           *
*     FC**2 --- SQUARED CALCULATED STRUCTURE FACTOR.                        *
*                                                                           *
*     SIGM ---- ESTIMATED STANDARD DEVIATION OF FO**2.                      *
*                                                                           *
*     EXT ----- EXTINCTION FACTOR (X1000) FOR FO**2.                        *
*                                                                           *
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FO**2 - FC**2 LIST FOR SILLIMANITE

H	K	L	FO**2	FC**2	SIGM	EXT
2	0	0	3.30	2.98	.08	992
4	0	0	63.43	61.98	.71	919
6	0	0	58.50	57.38	.69	944
8	0	0	99.41	99.24	1.13	920
10	0	0	23.28	22.44	.41	980
1	1	0	1.55	1.48	.06	993
2	1	0	24.39	23.02	.29	942
3	1	0	11.34	10.52	.17	981
4	1	0	.41	.38	.08	999
5	1	0	2.69	2.54	.12	997
6	1	0	17.31	16.68	.28	983
7	1	0	10.71	9.88	.22	991
8	1	0	.71	.48	.12	1000
9	1	0	2.06	1.81	.15	998
10	1	0	8.79	8.22	.26	993
11	1	0	2.24	2.01	.22	998
0	2	0	.48	.41	.06	998
1	2	0	17.15	16.42	.22	941
2	2	0	12.26	11.48	.15	972
3	2	0	2.52	2.45	.10	996
4	2	0	39.62	37.87	.48	949
5	2	0	28.47	26.96	.38	969
6	2	0	10.86	10.09	.22	989
7	2	0	1.44	1.37	.13	999
8	2	0	.60	.49	.13	1000
9	2	0	19.90	19.19	.33	983
10	2	0	.40	.32	.17	1000
11	2	0	11.96	12.07	.33	988
1	3	0	.14	.15	.07	1000
2	3	0	61.62	61.00	.69	882
3	3	0	4.84	4.63	.12	992
4	3	0	2.06	2.04	.11	997
5	3	0	1.40	1.15	.10	999
6	3	0	44.57	43.63	.56	956
7	3	0	3.57	3.29	.16	997
8	3	0	8.10	7.71	.21	993
9	3	0	3.92	3.65	.17	997
10	3	0	25.56	25.72	.45	976
11	3	0	.80	.63	.19	999
0	4	0	11.94	11.60	.19	971
1	4	0	11.04	10.61	.18	975
2	4	0	18.98	18.51	.27	964
3	4	0	8.01	7.68	.17	987
4	4	0	8.85	8.38	.19	988
5	4	0	14.45	13.86	.25	983
6	4	0	.24	.13	.11	1000
7	4	0	5.90	5.83	.18	994
8	4	0	10.00	9.73	.22	991
9	4	0	12.70	12.31	.30	988
10	4	0	17.52	17.53	.36	983
11	4	0	1.46	1.66	.22	998
1	5	0	.78	.72	.09	999
2	5	0	5.45	5.31	.14	991
3	5	0	.23	.26	.10	1000
4	5	0	6.35	6.10	.17	992
5	5	0	2.06	1.99	.13	998
6	5	0	.48	.36	.12	1000
7	5	0	1.17	1.02	.13	999
8	5	0	19.90	19.29	.33	981
9	5	0	10.31	10.72	.28	989
10	5	0	1.23	1.31	.22	999
0	6	0	.03	.00	.10	1000
1	6	0	8.49	8.25	.18	987
2	6	0	10.54	10.52	.21	984
3	6	0	8.21	7.98	.19	989
4	6	0	39.73	40.17	.52	950
5	6	0	6.38	6.44	.18	992
6	6	0	5.97	5.87	.19	993
7	6	0	4.43	4.46	.17	995
8	6	0	2.43	2.19	.18	998
9	6	0	7.67	7.37	.26	992
10	6	0	3.52	3.40	.24	996
1	7	0	43.79	46.15	.56	941
2	7	0	.99	.90	.11	999
3	7	0	50.08	53.26	.63	936
4	7	0	2.41	2.31	.14	997
5	7	0	10.55	10.98	.24	987
6	7	0	.53	.53	.13	999
7	7	0	52.04	54.32	.71	945
8	7	0	3.58	3.44	.20	996
9	7	0	.18	.02	.19	1000
0	8	0	2.70	2.74	.21	997
1	8	0	9.64	9.89	.22	988
2	8	0	13.59	13.96	.26	984
3	8	0	4.98	5.33	.19	994
4	8	0	15.17	15.39	.28	983
5	8	0	12.01	12.06	.25	987
6	8	0	.31	.29	.17	1000
7	8	0	3.12	3.37	.20	996
8	8	0	2.38	2.32	.22	997
9	8	0	4.57	4.68	.25	995
1	9	0	9.92	10.09	.23	989
2	9	0	15.43	15.92	.29	983
3	9	0	19.68	20.42	.33	979
4	9	0	3.36	3.38	.20	996
5	9	0	7.60	7.82	.25	992
6	9	0	12.26	12.36	.30	987
7	9	0	17.89	17.79	.40	982
8	9	0	5.50	5.51	.27	994
0	10	0	2.66	2.74	.27	997
1	10	0	31.44	32.14	.50	970
2	10	0	10.74	10.98	.28	989
3	10	0	18.22	18.17	.36	983
4	10	0	11.40	11.16	.30	989
5	10	0	32.04	33.04	.55	968
6	10	0	.94	.78	.20	999
1	11	0	3.38	3.13	.22	997
2	11	0	.07	.03	.20	1000
3	11	0	.67	.58	.19	999
4	11	0	.24	.00	.19	1000
5	11	0	2.78	2.96	.23	997
0	12	0	21.52	21.45	.58	981
1	12	0	.19	.19	.20	1000
2	12	0	3.08	2.88	.22	997
1	0	1	.67	.77	.06	997
3	0	1	1.56	1.38	.08	998
5	0	1	.81	.84	.10	999
7	0	1	3.64	3.47	.14	997
9	0	1	3.89	3.62	.16	997
11	0	1	2.24	1.90	.20	998
1	1	1	-.01	.01	.06	1000
2	1	1	.77	.65	.07	998
3	1	1	.16	.14	.07	1000
4	1	1	.63	.53	.08	999
5	1	1	.23	.13	.09	1000
6	1	1	3.71	3.53	.14	996
7	1	1	.03	.01	.11	1000
8	1	1	5.66	5.59	.18	995
9	1	1	.57	.40	.13	1000
10	1	1	.82	.72	.17	999
11	1	1	.23	.39	.20	1000
0	2	1	.31	.17	.06	999
1	2	1	.44	.36	.06	999
2	2	1	.17	.08	.07	1000
3	2	1	.36	.29	.08	999
4	2	1	.08	.07	.08	1000
5	2	1	6.31	6.10	.16	993
6	2	1	.26	.35	.11	1000
7	2	1	2.17	2.15	.13	998
8	2	1	-.01	.02	.13	1000
9	2	1	1.05	1.10	.14	999
10	2	1	-.09	.12	.18	1000
11	2	1	4.84	4.83	.25	995
1	3	1	.19	.23	.07	999
2	3	1	2.91	2.76	.10	994
3	3	1	.02	.09	.08	1000
4	3	1	1.44	1.56	.10	998
5	3	1	.47	.36	.11	1000
6	3	1	.13	.08	.11	1000
7	3	1	.17	.10	.12	1000
8	3	1	3.64	3.51	.16	997
9	3	1	.21	.28	.13	1000
10	3	1	10.12	9.81	.28	991
11	3	1	.72	.62	.20	999
0	4	1	.49	.48	.08	999
1	4	1	.27	.27	.08	999
2	4	1	.15	.12	.09	1000
3	4	1	.43	.48	.09	999
4	4	1	.11	.06	.09	1000
5	4	1	5.81	5.78	.16	993
6	4	1	.91	.85	.11	999
7	4	1	1.23	1.28	.14	999
8	4	1	.43	.46	.14	1000
9	4	1	.90	.88	.17	999
10	4	1	.96	1.27	.22	999
11	4	1	5.77	6.11	.27	993
1	5	1	.88	.71	.10	999
2	5	1	2.67	2.49	.12	996
3	5	1	1.26	1.25	.11	998
4	5	1	.17	.35	.11	1000
5	5	1	.69	.71	.12	999
6	5	1	.61	.63	.13	999
7	5	1	2.22	2.11	.15	998
8	5	1	5.75	6.14	.20	994
9	5	1	.87	.71	.17	999
10	5	1	3.52	3.40	.23	996
0	6	1	4.85	4.94	.14	992
1	6	1	.17	.05	.10	1000
2	6	1	.34	.11	.10	1000
3	6	1	.14	.10	.11	1000

FO**2 - FC**2 LIST FOR SILLIMANITE

H	K	L	FO**2	FC**2	SIGM	EXT
4	6	1	3.15	3.29	.14	996
5	6	1	1.80	1.79	.14	998
6	6	1	.86	1.03	.15	999
7	6	1	6.53	6.67	.19	993
8	6	1	.79	.89	.17	999
9	6	1	1.07	1.02	.21	999
10	6	1	2.84	2.87	.22	997
1	7	1	1.24	1.53	.13	998
2	7	1	.04	.07	.11	1000
3	7	1	4.64	4.81	.16	994
4	7	1	1.16	1.20	.14	999
5	7	1	.02	.02	.13	1000
6	7	1	3.33	3.13	.16	996
7	7	1	4.81	5.14	.22	994
8	7	1	1.57	1.60	.18	998
9	7	1	.57	.38	.20	1000
0	8	1	1.40	1.38	.19	998
1	8	1	1.63	1.88	.14	998
2	8	1	.09	.00	.13	1000
3	8	1	1.99	2.15	.15	997
4	8	1	1.17	1.22	.14	999
5	8	1	-.03	.02	.13	1000
6	8	1	.05	.03	.16	1000
7	8	1	1.46	1.48	.19	998
8	8	1	1.00	1.08	.22	999
1	9	1	.06	.02	.13	1000
2	9	1	6.18	6.31	.19	993
3	9	1	.22	.29	.13	1000
4	9	1	5.76	5.63	.23	994
5	9	1	-.14	.00	.17	1000
6	9	1	10.55	10.76	.29	989
7	9	1	.40	.38	.20	1000
0	10	1	.22	.15	.24	1000
1	10	1	4.51	4.53	.22	996
2	10	1	.03	.00	.16	1000
3	10	1	4.08	4.16	.21	996
4	10	1	-.08	.01	.17	1000
5	10	1	1.46	1.57	.22	998
6	10	1	.20	.00	.19	1000
1	11	1	1.74	1.70	.20	998
2	11	1	.91	.70	.20	999
3	11	1	3.20	2.94	.23	997
4	11	1	1.96	2.07	.22	998
5	11	1	.05	.00	.19	1000
0	12	1	7.74	7.46	.40	993
1	12	1	1.52	1.51	.21	999
2	12	1	.53	.35	.20	1000
0	0	2	16.62	15.63	.22	945
2	0	2	1.00	1.07	.08	998
4	0	2	3.21	3.08	.11	996
6	0	2	20.59	21.17	.31	979
8	0	2	.52	.46	.13	1000
10	0	2	48.18	47.80	.67	959
1	1	2	6.67	6.87	.13	983
2	1	2	15.97	17.05	.23	969
3	1	2	22.43	23.44	.30	966
4	1	2	.25	.24	.09	1000
5	1	2	10.57	10.85	.20	988
6	1	2	17.72	17.92	.29	982
7	1	2	.49	.32	.12	1000

H	K	L	FO**2	FC**2	SIGM	EXT
8	1	2	.43	.22	.12	1000
9	1	2	4.30	4.14	.17	996
10	1	2	19.07	18.95	.37	983
11	1	2	8.45	8.55	.30	992
0	2	2	42.79	40.27	.49	887
1	2	2	38.16	37.63	.45	911
2	2	2	.29	.26	.08	999
3	2	2	12.22	12.67	.21	981
4	2	2	23.73	23.93	.33	970
5	2	2	49.72	52.17	.53	945
6	2	2	.37	.35	.11	1000
7	2	2	.43	.37	.12	1000
8	2	2	17.11	16.95	.31	985
9	2	2	38.76	39.02	.43	966
10	2	2	4.57	4.51	.23	996
11	2	2	3.94	3.95	.25	996
1	3	2	-.07	.00	.08	1000
2	3	2	.18	.00	.08	1000
3	3	2	60.90	62.69	.70	913
4	3	2	1.82	1.82	.11	998
5	3	2	19.37	19.02	.30	979
6	3	2	.59	.51	.12	999
7	3	2	4.90	4.55	.17	996
8	3	2	7.01	6.91	.20	994
9	3	2	4.13	4.21	.22	996
10	3	2	1.59	1.63	.20	998
11	3	2	18.21	17.73	.40	982
0	4	2	39.81	39.43	.49	922
1	4	2	.59	.51	.09	999
2	4	2	2.50	2.32	.11	996
3	4	2	1.02	.97	.10	998
4	4	2	47.91	46.57	.49	943
5	4	2	.17	.03	.11	1000
6	4	2	5.31	5.25	.17	994
7	4	2	.97	.81	.13	999
8	4	2	30.07	29.78	.44	972
9	4	2	.04	.00	.17	1000
10	4	2	3.42	2.98	.23	997
1	5	2	63.95	64.31	.74	901
2	5	2	63.68	64.02	.75	907
3	5	2	6.34	6.09	.17	991
4	5	2	5.90	5.76	.17	992
5	5	2	.12	.03	.11	1000
6	5	2	35.19	35.21	.48	963
7	5	2	59.96	61.91	.74	941
8	5	2	18.13	18.21	.36	982
9	5	2	7.51	7.61	.25	992
10	5	2	12.31	12.37	.35	987
0	6	2	3.64	3.69	.14	994
1	6	2	5.26	5.19	.15	992
2	6	2	.66	.37	.10	999
3	6	2	4.59	4.37	.15	994
4	6	2	.78	.50	.12	999
5	6	2	6.20	6.17	.19	993
6	6	2	-.03	.09	.13	1000
7	6	2	5.02	5.01	.18	995
8	6	2	.10	.00	.17	1000
9	6	2	3.46	3.50	.24	996
10	6	2	.13	.11	.20	1000
1	7	2	14.55	15.19	.18	980

H	K	L	FO**2	FC**2	SIGM	EXT
2	7	2	16.39	16.53	.29	979
3	7	2	.66	.54	.12	999
4	7	2	1.96	1.80	.14	998
5	7	2	16.53	17.42	.30	980
6	7	2	12.77	13.27	.26	986
7	7	2	23.09	21.40	.54	978
8	7	2	2.44	2.36	.22	997
9	7	2	4.10	4.20	.26	995
0	8	2	7.46	7.18	.28	992
1	8	2	5.88	6.00	.18	993
2	8	2	1.31	1.10	.14	999
3	8	2	9.48	9.37	.22	989
4	8	2	9.37	9.59	.22	989
5	8	2	3.87	3.86	.13	996
6	8	2	2.35	2.52	.20	997
7	8	2	8.88	8.94	.30	990
8	8	2	6.08	5.79	.26	994
1	9	2	22.36	22.51	.36	977
2	9	2	12.31	12.44	.26	987
3	9	2	2.36	2.01	.18	998
4	9	2	4.39	4.34	.21	995
5	9	2	-.01	.00	.17	1000
6	9	2	9.68	9.48	.31	990
7	9	2	10.17	10.42	.31	989
0	10	2	2.76	2.66	.28	997
1	10	2	.21	.11	.16	1000
2	10	2	1.02	1.09	.18	999
3	10	2	.94	.86	.18	999
4	10	2	3.15	3.18	.23	997
5	10	2	.48	.40	.19	1000
6	10	2	3.52	3.47	.24	996
1	11	2	.97	.73	.20	999
2	11	2	3.50	3.34	.24	997
3	11	2	39.41	39.81	.62	965
4	11	2	.33	.13	.19	1000
1	0	3	-.20	.09	.07	1000
3	0	3	-.11	.00	.09	1000
5	0	3	3.49	3.80	.14	996
7	0	3	7.54	7.77	.20	993
9	0	3	.66	.68	.17	999
11	0	3	.12	.18	.21	1000
1	1	3	1.07	1.01	.08	998
2	1	3	1.15	1.11	.09	998
3	1	3	.49	.55	.09	999
4	1	3	.40	.45	.10	999
5	1	3	1.90	2.00	.13	998
6	1	3	2.37	2.38	.14	998
7	1	3	.97	.84	.13	999
8	1	3	5.22	5.26	.17	995
9	1	3	2.51	2.41	.19	998
10	1	3	.97	1.04	.22	999
11	1	3	2.05	2.21	.22	998
0	2	3	1.08	.89	.08	998
1	2	3	.34	.22	.08	1000
2	2	3	.17	.08	.08	1000
3	2	3	2.37	2.39	.11	997
4	2	3	.55	.60	.11	999
5	2	3	1.90	1.82	.13	998
6	2	3	.52	.36	.11	1000
7	2	3	.40	.18	.12	1000

H	K	L	FO**2	FC**2	SIGM	EXT
8	2	3	-.11	.11	.14	1000
9	2	3	3.52	3.52	.20	997
10	2	3	.51	.14	.18	1000
11	2	3	8.43	8.45	.30	991
1	3	3	.33	.27	.09	999
2	3	3	.55	.68	.10	999
3	3	3	.47	.46	.10	999
4	3	3	1.55	1.50	.12	998
5	3	3	.11	.12	.11	1000
6	3	3	.94	.95	.13	999
7	3	3	.40	.33	.13	1000
8	3	3	2.91	3.06	.16	997
9	3	3	-.30	.09	.16	1000
10	3	3	5.37	5.77	.26	994
0	4	3	3.08	2.81	.12	995
1	4	3	1.88	1.90	.12	997
2	4	3	.18	.13	.10	1000
3	4	3	-.07	.04	.11	1000
4	4	3	1.37	1.46	.12	998
5	4	3	9.58	9.72	.21	989
6	4	3	.87	.90	.13	999
7	4	3	3.26	3.36	.17	997
8	4	3	.13	.04	.16	1000
9	4	3	-.01	.02	.17	1000
10	4	3	1.49	1.34	.21	999
1	5	3	-.07	.01	.11	1000
2	5	3	7.01	7.19	.18	989
3	5	3	.20	.15	.10	1000
4	5	3	.36	.28	.11	1000
5	5	3	.30	.02	.11	1000
6	5	3	.31	.11	.12	1000
7	5	3	.33	.61	.15	999
8	5	3	6.04	5.95	.22	994
9	5	3	.22	.04	.19	1000
10	5	3	7.24	7.31	.28	992
0	6	3	.82	.76	.11	999
1	6	3	.53	.60	.12	999
2	6	3	.19	.09	.10	1000
3	6	3	.81	.70	.12	999
4	6	3	.33	.26	.12	1000
5	6	3	.44	.57	.14	999
6	6	3	1.02	.91	.13	999
7	6	3	3.66	3.80	.21	996
8	6	3	.07	.04	.17	1000
9	6	3	2.21	1.89	.20	998
1	7	3	2.59	2.56	.14	997
2	7	3	1.20	1.25	.14	998
3	7	3	6.00	6.21	.19	992
4	7	3	1.36	1.14	.13	999
5	7	3	.27	.27	.13	1000
6	7	3	9.08	8.84	.25	990
7	7	3	6.43	6.32	.23	993
8	7	3	1.67	1.35	.20	999
0	8	3	6.27	6.45	.26	993
1	8	3	1.24	1.28	.14	999
2	8	3	-.07	.00	.13	1000
3	8	3	1.32	1.40	.14	998
4	8	3	5.63	5.87	.19	994
5	8	3	-.05	.00	.16	1000
6	8	3	-.15	.04	.17	1000

H	K	L	FO**2	FC**2	SIGM	EXT
7	8	3	1.68	1.89	.23	998
8	8	3	5.26	5.04	.25	994
1	9	3	.17	.01	.15	1000
2	9	3	.96	1.18	.17	999
3	9	3	.38	.27	.16	1000
4	9	3	5.08	5.23	.23	995
5	9	3	.33	.01	.17	1000
6	9	3	3.58	3.57	.24	996
7	9	3	.44	.39	.20	1000
0	10	3	1.21	.88	.22	999
1	10	3	3.83	3.69	.21	996
2	10	3	-.28	.00	.18	1000
3	10	3	3.64	3.48	.23	997
4	10	3	1.05	1.46	.23	999
5	10	3	1.40	1.16	.20	999
1	11	3	2.09	2.35	.23	998
2	11	3	4.49	4.12	.25	996
3	11	3	3.86	3.95	.24	996
0	0	4	224.01	223.69	2.36	713
2	0	4	1.94	2.42	.12	997
4	0	4	46.65	53.49	.58	950
6	0	4	48.02	51.60	.61	956
8	0	4	81.00	85.29	.97	931
10	0	4	19.76	20.35	.42	981
1	1	4	1.69	1.53	.10	997
2	1	4	17.32	18.89	.27	976
3	1	4	7.67	8.44	.18	990
4	1	4	.45	.36	.11	1000
5	1	4	1.88	1.92	.13	998
6	1	4	13.36	13.46	.26	988
7	1	4	8.73	9.00	.22	992
8	1	4	.60	.48	.13	1000
9	1	4	1.74	1.70	.19	998
10	1	4	6.26	6.38	.27	994
0	2	4	.81	.55	.10	999
1	2	4	15.64	15.47	.25	973
2	2	4	10.08	9.92	.20	986
3	2	4	2.41	2.42	.12	997
4	2	4	29.55	31.06	.41	967
5	2	4	21.78	25.13	.42	975
6	2	4	8.70	8.80	.21	992
7	2	4	1.09	1.16	.14	999
8	2	4	.68	.23	.14	1000
9	2	4	18.31	17.94	.37	983
10	2	4	.62	.33	.20	1000
1	3	4	.21	.02	.10	1000
2	3	4	49.43	51.62	.52	930
3	3	4	4.04	4.22	.15	995
4	3	4	1.61	1.84	.13	998
5	3	4	1.15	1.06	.14	999
6	3	4	36.35	36.81	.50	965
7	3	4	3.65	3.65	.17	996
8	3	4	6.94	6.80	.23	993
9	3	4	2.96	2.96	.23	997
10	3	4	21.82	21.47	.44	978
0	4	4	9.02	8.70	.20	985
1	4	4	8.97	8.73	.19	986
2	4	4	15.97	16.17	.27	977
3	4	4	6.29	6.33	.18	992
4	4	4	8.40	8.36	.21	990

H	K	L	FO**2	FC**2	SIGM	EXT
5	4	4	11.56	11.46	.24	988
6	4	4	.08	.09	.13	1000
7	4	4	4.52	4.82	.18	995
8	4	4	7.90	7.75	.25	992
9	4	4	10.64	10.33	.31	989
10	4	4	15.84	16.02	.38	983
1	5	4	.60	.67	.12	999
2	5	4	5.47	5.62	.17	992
3	5	4	.63	.52	.12	999
4	5	4	5.80	5.61	.18	993
5	5	4	1.25	1.28	.14	999
6	5	4	.40	.56	.14	999
7	5	4	1.35	1.03	.16	999
8	5	4	17.65	17.52	.36	982
9	5	4	9.34	9.30	.30	990
0	6	4	.37	.02	.15	1000
1	6	4	6.87	6.69	.20	991
2	6	4	9.34	9.03	.22	988
3	6	4	6.66	6.43	.19	992
4	6	4	34.29	33.83	.48	961
5	6	4	5.14	5.24	.19	994
6	6	4	5.40	5.26	.22	994
7	6	4	3.38	3.55	.21	996
8	6	4	1.70	1.68	.21	998
9	6	4	6.44	6.01	.27	993
1	7	4	38.54	38.46	.52	956
2	7	4	.91	1.00	.14	999
3	7	4	47.32	47.65	.61	948
4	7	4	1.95	2.07	.16	998
5	7	4	9.86	9.54	.28	989
6	7	4	.65	.58	.17	999
7	7	4	48.06	46.46	.71	952
8	7	4	3.06	3.16	.23	996
0	8	4	2.30	2.15	.21	998
1	8	4	8.25	8.23	.21	991
2	8	4	12.07	12.16	.26	987
3	8	4	4.43	4.26	.22	995
4	8	4	14.40	13.83	.32	985
5	8	4	10.56	10.10	.28	989
6	8	4	.25	.24	.20	1000
7	8	4	2.75	2.51	.22	997
1	9	4	9.12	8.88	.26	991
2	9	4	14.79	14.47	.33	985
3	9	4	17.01	16.59	.35	983
4	9	4	3.12	3.05	.24	997
5	9	4	6.01	5.90	.28	994
6	9	4	11.41	11.08	.34	988
0	10	4	2.05	2.09	.34	998
1	10	4	27.68	27.51	.51	974
2	10	4	9.99	9.67	.31	991
3	10	4	16.07	15.19	.38	985
4	10	4	10.30	10.21	.32	990
1	0	5	2.84	3.46	.14	996
3	0	5	3.60	4.25	.16	996
5	0	5	.11	.07	.13	1000
7	0	5	.68	.48	.12	1000
9	0	5	6.48	6.55	.27	994
1	1	5	1.17	1.36	.12	998
2	1	5	.25	.22	.11	1000
3	1	5	1.76	1.97	.14	998

H	K	L	FO**2	FC**2	SIGM	EXT
4	1	5	.44	.34	.12	1000
5	1	5	.41	.42	.13	1000
6	1	5	3.29	3.43	.16	997
7	1	5	1.00	1.14	.15	999
8	1	5	4.35	4.28	.21	996
9	1	5	-.02	.07	.20	1000
0	2	5	-.07	.01	.11	1000
1	2	5	2.67	2.52	.13	996
2	2	5	.09	.07	.11	1000
3	2	5	.46	.29	.10	1000
4	2	5	.18	.06	.12	1000
5	2	5	9.34	10.01	.23	990
6	2	5	.01	.29	.14	1000
7	2	5	4.76	4.56	.22	996
8	2	5	.10	.34	.18	1000
9	2	5	.05	.00	.19	1000
1	3	5	1.80	1.81	.13	997
2	3	5	4.74	4.82	.17	993
3	3	5	1.36	1.34	.14	998
4	3	5	1.34	1.15	.13	999
5	3	5	1.93	1.99	.14	998
6	3	5	.13	.26	.13	1000
7	3	5	1.31	1.24	.17	999
8	3	5	2.35	2.66	.21	997
9	3	5	1.69	1.59	.22	998
0	4	5	.01	.07	.18	1000
1	4	5	.08	.09	.12	1000
3	4	5	1.91	1.90	.15	998
4	4	5	.39	.41	.13	1000
5	4	5	2.04	1.93	.14	998
6	4	5	.70	.71	.17	999
7	4	5	-.15	.04	.18	1000
8	4	5	2.45	2.01	.20	998
9	4	5	2.33	2.07	.22	998
1	5	5	2.12	2.10	.15	997
2	5	5	.16	.11	.13	1000
3	5	5	2.60	2.78	.16	996
4	5	5	.42	.25	.13	1000
5	5	5	2.20	2.06	.15	998
6	5	5	2.92	2.69	.19	997
7	5	5	3.57	3.65	.21	996
8	5	5	4.37	4.53	.25	995
0	6	5	11.03	10.54	.32	987
1	6	5	.33	.08	.12	1000
2	6	5	.20	.11	.12	1000
3	6	5	.18	.08	.12	1000
4	6	5	8.09	8.06	.17	991
5	6	5	2.59	2.57	.19	997
6	6	5	1.13	.97	.17	999
7	6	5	7.93	7.86	.29	991
8	6	5	4.10	3.70	.25	996
1	7	5	.69	.63	.14	999
2	7	5	2.37	2.17	.19	997
3	7	5	2.92	2.90	.20	997
4	7	5	1.03	.83	.16	999
5	7	5	.22	.06	.16	1000
6	7	5	-.02	.14	.21	1000
7	7	5	3.27	3.25	.23	996
0	8	5	.35	.07	.21	1000
1	8	5	1.95	2.05	.19	998

H	K	L	FO**2	FC**2	SIGM	EXT
2	8	5	.13	.01	.16	1000
3	8	5	2.50	2.30	.19	997
4	8	5	.16	.07	.20	1000
5	8	5	.05	.12	.20	1000
6	8	5	-.03	.01	.20	1000
1	9	5	.29	.03	.18	1000
2	9	5	14.09	13.31	.35	986
3	9	5	-.11	.25	.22	1000
4	9	5	4.41	4.65	.25	995
0	10	5	2.82	2.52	.32	998
1	10	5	4.36	4.28	.25	996
2	10	5	.26	.00	.19	1000
0	0	6	15.44	14.91	.36	977
2	0	6	1.49	1.39	.13	999
4	0	6	4.64	5.21	.18	995
6	0	6	15.56	16.35	.33	986
8	0	6	-.11	.08	.21	1000
1	1	6	4.78	4.84	.17	993
2	1	6	9.81	10.18	.23	989
3	1	6	16.81	18.09	.30	982
4	1	6	.26	.23	.13	1000
5	1	6	7.98	8.61	.22	992
6	1	6	11.26	11.20	.30	990
7	1	6	.16	.21	.18	1000
8	1	6	.21	.24	.20	1000
9	1	6	3.43	3.15	.35	997
0	2	6	25.72	25.09	.49	961
1	2	6	30.47	29.85	.44	959
2	2	6	.27	.06	.13	1000
3	2	6	9.54	9.74	.23	989
4	2	6	16.40	17.22	.30	983
5	2	6	39.39	41.59	.55	961
6	2	6	.35	.13	.16	1000
7	2	6	.24	.18	.18	1000
8	2	6	10.11	10.32	.32	990
1	3	6	.07	.00	.12	1000
2	3	6	.21	.10	.13	1000
3	3	6	48.16	48.06	.62	947
4	3	6	1.47	1.46	.14	998
5	3	6	13.78	13.71	.31	986
6	3	6	.27	.08	.17	1000
7	3	6	3.52	3.52	.24	996
8	3	6	5.65	5.46	.26	994
0	4	6	32.34	31.09	.56	958
1	4	6	.31	.23	.12	1000
2	4	6	1.51	1.38	.14	998
3	4	6	.45	.49	.14	999
4	4	6	31.41	31.97	.46	965
5	4	6	.11	.00	.15	1000
6	4	6	5.20	5.07	.22	995
7	4	6	.66	.40	.19	1000
8	4	6	21.81	22.31	.45	975
1	5	6	48.37	47.11	.63	942
2	5	6	50.16	48.75	.65	942
3	5	6	4.48	4.39	.22	995
4	5	6	5.15	4.94	.22	994
5	5	6	-.13	.00	.18	1000
6	5	6	27.91	26.39	.50	971
7	5	6	47.91	46.72	.71	950
0	6	6	2.44	1.90	.25	998

H	K	L	FO**2	FC**2	SIGM	EXT
1	6	6	3.16	3.15	.21	996
2	6	6	.20	.10	.16	1000
3	6	6	2.92	2.66	.20	997
4	6	6	.48	.45	.17	999
5	6	6	3.96	3.78	.24	996
6	6	6	.25	.11	.21	1000
1	7	6	14.18	13.76	.32	984
2	7	6	13.57	12.66	.31	986
3	7	6	.11	.06	.20	1000
4	7	6	1.71	1.49	.22	998
5	7	6	11.38	11.75	.33	986
0	8	6	6.68	6.47	.38	993
1	8	6	3.59	3.41	.25	996
2	8	6	.67	.59	.21	999
3	8	6	6.33	5.91	.26	993
4	8	6	6.80	6.55	.28	993
1	9	6	15.15	14.91	.38	985
2	9	6	11.33	10.31	.33	989
1	0	7	1.56	1.53	.15	998
3	0	7	.99	1.05	.14	999
5	0	7	5.84	6.08	.23	994
7	0	7	9.60	9.86	.32	990
1	1	7	3.27	3.18	.17	996
2	1	7	1.32	1.26	.14	999
3	1	7	2.41	2.35	.12	998
4	1	7	.36	.20	.16	1000
5	1	7	4.68	4.49	.21	996
6	1	7	1.14	.97	.20	999
7	1	7	2.93	2.65	.23	997
0	2	7	1.68	1.64	.21	997
1	2	7	1.46	1.55	.15	998
2	2	7	.17	.07	.13	1000
3	2	7	4.33	4.50	.22	995
4	2	7	1.18	1.21	.19	999
5	2	7	.17	.05	.17	1000
6	2	7	.09	.32	.22	1000
7	2	7	.32	.35	.21	1000
1	3	7	1.82	1.65	.14	998
2	3	7	-.02	.00	.17	1000
3	3	7	1.81	1.99	.20	998
4	3	7	.98	1.02	.19	999
5	3	7	1.11	1.15	.21	999
6	3	7	1.37	1.73	.25	998
7	3	7	1.70	1.56	.22	998
0	4	7	5.37	5.40	.32	992
1	4	7	3.86	3.81	.21	995
2	4	7	.30	.12	.16	1000
3	4	7	1.05	.91	.18	999
4	4	7	3.38	3.53	.22	996
5	4	7	11.02	10.72	.33	988
6	4	7	.86	.83	.21	999
1	5	7	.25	.25	.18	1000
2	5	7	11.04	10.51	.29	987
3	5	7	.43	.07	.17	1000
4	5	7	.52	.11	.18	1000
5	5	7	.51	.19	.18	1000
6	5	7	1.88	1.68	.22	998
0	6	7	-.16	.10	.29	1000
1	6	7	1.74	1.31	.21	998
2	6	7	.17	.07	.20	1000

FO**2 - FC**2 LIST FOR SILLIMANITE

H	K	L	FO**2	FC**2	SIGM	EXT
3	6	7	1.20	1.26	.21	998
4	6	7	.09	.34	.22	1000
5	6	7	-.25	.00	.22	1000
1	7	7	3.11	3.05	.24	996
2	7	7	5.16	4.63	.26	994
3	7	7	6.45	6.18	.27	993
0	0	8	152.34	145.73	1.95	831
2	0	8	1.49	1.30	.19	999
4	0	8	34.40	34.05	.58	967
1	1	8	1.61	1.54	.18	998
2	1	8	10.02	10.21	.29	988
3	1	8	4.23	4.24	.26	995
4	1	8	.45	.32	.21	1000
5	1	8	.98	.77	.21	999
0	2	8	1.27	1.02	.26	998
1	2	8	12.86	12.86	.31	981
2	2	8	6.53	6.51	.27	992
3	2	8	2.33	2.27	.24	997
4	2	8	16.82	16.89	.40	981
5	2	8	20.67	20.32	.44	977
1	3	8	.43	.22	.20	1000
2	3	8	32.93	30.98	.56	960
3	3	8	3.24	3.26	.25	996
4	3	8	1.37	1.35	.23	998
5	3	8	.89	.82	.22	999
0	4	8	2.86	3.34	.39	995
1	4	8	5.00	4.75	.25	993
2	4	8	11.72	10.91	.33	985
3	4	8	3.73	3.47	.25	995
4	4	8	8.69	8.17	.30	989
1	5	8	.51	.55	.22	999
2	5	8	6.15	6.25	.28	991
3	5	8	1.68	1.48	.22	998
0	6	8	-.17	.15	.32	1000
1	0	9	5.28	5.38	.28	992
1	1	9	3.56	3.17	.24	995
2	1	9	.22	.03	.22	1000
0	2	9	.32	.20	.31	1000
1	2	9	4.34	4.53	.28	993