

Table 4

Atom	Parameter	$\beta \times 10^4$	Axis	rms (\AA) Displacement	Angle with respect to		
					<u>a</u>	<u>b</u>	<u>c</u>
Be ⁺	β_{11}	27(5)*	r_1	0.08(1)	90	30	90
	β_{22}	17(6)	r_2	0.08(1)	90	90	0
	β_{33}	15(4)	r_3	0.10(1)	0	120	90
	β_{12}	9(3)					
Ae ⁺	$\beta_{11} = \beta_{22}$	20(2)	r_1	0.079(3)	90	90	0
	β_{33}	14(1)	r_2	0.083(2)	90	150	90
	β_{12}	10(1)	r_3	0.083(2)	90	30	90
Si ⁺	β_{11}	17(2)	r_1	0.073(2)	94(21)	26(21)	90
	β_{22}	16(2)	r_2	0.078(2)	177(22)	63(22)	90
	β_{33}	14(1)	r_3	0.078(1)	90	90	0
	β_{12}	8(1)					
O1 ⁺	β_{11}	35(4)	r_1	0.08(1)	143(7)	23(7)	90
	β_{22}	31(4)	r_2	0.11(1)	127(7)	113(7)	90
	β_{33}	31(2)	r_3	0.11(1)	90	90	0
	β_{12}	24(3)					
O2	β_{11}	26(2)	r_1	0.065(3)	128(12)	34(19)	121(13)
	β_{22}	24(2)	r_2	0.091(3)	111(16)	120(20)	120(15)
	β_{33}	21(2)	r_3	0.102(3)	46(8)	104(9)	135(9)
	β_{12}	11(2)					
	β_{13}	-3(2)					
	β_{23}	-0(1)					

* Numbers in parentheses represent eds's.+ $\beta_{23} = \beta_{13} = 0$

Table 5

Atom	Parameter	β ($\times 10^4$)	Axis	rms displacement (\AA)	Angle with respect to:		
					a	b	c
Si	β_{11}	40(3)*					
	β_{22}	4.6(3)	r_1	0.065(2)	34(11)	87(34)	66(13)
	β_{33}	49(3)	r_2	0.068(2)	97(30)	162(13)	73(19)
	β_{12}	-0.4(7)	r_3	0.076(2)	123(8)	73(12)	30(10)
	β_{13}	2.8(19)					
	β_{23}	0.7(7)					
Al	β_{11}	42(3)					
	β_{22}	6.2(3)	r_1	0.068(2)	21(9)	83(8)	80(9)
	β_{33}	56(3)	r_2	0.078(2)	69(10)	96(37)	168(23)
	β_{12}	-0.6(8)	r_3	0.081(2)	95(15)	9(25)	97(37)
	β_{13}	5.6(22)					
	β_{23}	-0.4(8)					
Be	β_{11}	63(12)					
	β_{22}	5.8(13)	r_1	0.075(9)	74(44)	22(29)	79(21)
	β_{33}	94(15)	r_2	0.083(8)	163(42)	77(42)	69(22)
	β_{12}	-2(3)	r_3	0.101(8)	83(19)	107(14)	24(18)
	β_{13}	19(11)					
	β_{23}	-4(3)					
O1	β_{11}	58(7)					
	β_{22}	6.6(7)	r_1	0.071(5)	72(19)	118(16)	41(12)
	β_{33}	57(7)	r_2	0.081(5)	142(24)	128(24)	84(23)
	β_{12}	-0.1(18)	r_3	0.089(4)	122(24)	50(21)	50(12)
	β_{13}	2(5)					
	β_{23}	3(2)					
O2	β_{11}	50(6)					
	β_{22}	7.1(8)	r_1	0.071(5)	25(17)	68(13)	110(36)
	β_{33}	57(7)	r_2	0.078(5)	98(33)	98(22)	160(36)
	β_{12}	-3(2)	r_3	0.087(4)	67(12)	156(13)	90(18)
	β_{13}	12(5)					
	β_{23}	-0.2(18)					
O3	β_{11}	46(6)					
	β_{22}	5.2(7)	r_1	0.072(4)	20(99)	110(102)	96(9)
	β_{33}	89(8)	r_2	0.074(5)	110(102)	160(101)	91(14)
	β_{12}	0.2(17)	r_3	0.097(5)	95(8)	94(8)	7(8)
	β_{13}	12(6)					
	β_{23}	-0.7(17)					
O4	β_{11}	58(7)					
	β_{22}	6.5(7)	r_1	0.071(5)	73(19)	65(17)	37(19)
	β_{33}	52(7)	r_2	0.083(4)	151(94)	104(105)	56(38)
	β_{12}	-1(2)	r_3	0.084(5)	68(110)	151(59)	77(69)
	β_{13}	5(5)					
	β_{23}	-2(2)					
O5	β_{11}	88(7)					
	β_{22}	9(1)	r_1	0.081(5)	64(14)	66(17)	45(22)
	β_{33}	68(8)	r_2	0.090(5)	60(14)	51(14)	133(22)
	β_{12}	-7(2)	r_3	0.111(4)	42(8)	132(8)	102(8)
	β_{13}	5(6)					
	β_{23}	-1(2)					

* Parenthesized figures represent esd's.

Table 6a. Structure factors for beryl at room pressure.

Beryl (Dehydrated) After Cycle 9 3/10/83

Beryl (Dehydrated) After Cycle 9 3/10/83												FACTOR = 10.00								
L	OBS	CALC	L	OBS	CALC	L	OBS	CALC	L	OBS	CALC	L	OBS	CALC	L	OBS	CALC			
0	0	L	10	0	L	5	1	L	3	2	L	9	2	L	7	3	L	0	5	L
2	873	944	2	214	205	8	42*	8	0	421	435	0	62	47	7	467	451	0	758	772
4	946	959	4	235	218	9	18*	2	1	115	114	1	262	248	2	173	169	8	3	L
6	1235	1282				10	293	288	2	184	189	3	181	166	0	18*	25	0	167	169
8	1368	1405	11	0	L	11	48*	37	3	425	435	4	72	11	1	306	294	1	17*	70
10	147	149							4	493	509	5	197	184	2	213	207	2	320	318
12	741	741	0	139	105	6	1	L	5	224	226	6	90	72	3	279	268	3	40*	0
			2	169	159				7	13*	33	8	297	304	4	76	61	4	100	104
1	0	L	1	1	L	0	444	443	9	166	163	0	277	272	5	262	251	5	44*	0
2	431	473	0	223*	265	1	81	69	10	109	104	1	20*	44	6	143	138	6	147	145
4	251*	201	1	19*	0	2	28*	13	11	173	165	0	3	L	7	70	0			
6	31*	23	2	920	912	3	44	35				8	37*	53	8	37*	53			
8	205	219	3	9*	0	4	182	185	4	2	L	0	192	199	0	195	179	0	142	142
10	233	243	4	328	332	5	15*	3	0	301	304	0	142	123	0	36*	11	0	18*	48
12	81	73	5	29*	0	6	84	92	1	185	180	0	376	383	1	215	193	2	165	156
			6	623	617	7	66	62	2	486	512	2	12*	0	0	4	L	3	50*	39
2	328	518	7	114	114	8	265	256	3	140	140	3	376	383	3	376	383	3	50*	39
4	608	617	8	34*	0	9	46*	10	4	439	444	4	12*	0	4	19*	26	4	19*	26
6	211	204	9	34*	0	10	20*	40	5	122	127	5	13*	0	5	315	333	5	19*	8
8	248	247	10	446	437	7	1	L	6	351	355	6	13*	8	6	67	53	6	67	53
10	232	231	11	18*	0	8	179	168	7	151	107	7	14*	0	7	132	139	7	132	139
12	168	171	12	106	85	9	358	362	8	234	235	8	396	386	8	51	0	8	132	139
			2	1	L	10	102	85	9	75	72	9	51	0	9	35*	0	9	139	122
3	0	L	0	254	244	3	294	289	10	314	310	10	140	155	10	428	438	10	19*	20
2	80	79	1	706	765	4	137	128	11	58*	58	11	52	0	11	277	257	11	277	257
4	754	741	2	458	494	5	205	201				11	256	249	11	40*	0	11	256	249
6	202	203	3	182*	145	6	148	140	5	2	L	0	256	249	0	256	249	0	256	249
8	251	241	4	22*	15	7	218	213	6	614	617	6	614	617	6	614	617	6	614	617
10	75	82	5	293	310	8	1	L	7	632	628	7	632	628	7	632	628	7	632	628
12	201	195	6	428	454	9	323	320	8	118	122	8	118	122	8	118	122	8	118	122
			7	627	630	1	57	46	9	295	292	9	295	292	9	295	292	9	295	292
4	0	L	8	116	104	2	38*	24	10	467	467	10	467	467	10	467	467	10	467	467
2	122	110	9	193	204	3	159	166	11	107	16	11	107	16	11	107	16	11	107	16
4	88	100	10	234	239	4	184	185	12	78	37	12	78	37	12	78	37	12	78	37
6	270	262	11	105	88	5	68	54	13	172	172	13	172	172	13	172	172	13	172	172
8	261	267	12	78	37	6	44*	64	14	65	42	14	65	42	14	65	42	14	65	42
10	38*	45	3	1	L	7	82	71	15	99	42	15	99	42	15	99	42	15	99	42
12	141	125	0	291*	239	8	207	202	6	2	L	6	2	L	6	2	L	6	2	L
			1	381	344	9	1	L	0	15*	3	0	15*	3	0	15*	3	0	15*	3
2	103	93	2	224	234	1	96	75	1	112	104	1	112	104	1	112	104	1	112	104
4	234	244	3	481	490	0	163	148	2	141	134	2	141	134	2	141	134	2	141	134
6	235	238	4	287	306	1	163	148	3	123	123	3	123	123	3	123	123	3	123	123
8	363	377	5	136	139	2	18*	10	4	275	279	4	275	279	4	275	279	4	275	279
10	53	42	6	317	321	3	313	311	5	80	89	5	80	89	5	80	89	5	80	89
			7	165	174	4	252	241	6	17*	9	6	17*	9	6	17*	9	6	17*	9
6	0	L	8	15*	22	5	212	203	7	68	63	7	68	63	7	68	63	7	68	63
2	902	918	9	174	175	6	73	63	8	80	66	8	80	66	8	80	66	8	80	66
4	542	556	10	17*	24	10	1	L	9	74	70	9	74	70	9	74	70	9	74	70
6	401	412	11	230	219				7	2	L	7	2	L	7	2	L	7	2	L
8	43*	34	12	101	66	0	323	302	0	323	302	0	323	302	0	323	302	0	323	302
10	687	674	0	626	631	1	413	399	1	191	191	1	191	191	1	191	191	1	191	191
			1	464	478	2	42*	54	2	16*	2	2	16*	2	2	16*	2	2	16*	2
2	316	310	2	242	234	3	198	181	3	308	310	3	308	310	3	308	310	3	308	310
4	163	143	3	692	713	4	99	91	4	240	242	4	240	242	4	240	242	4	240	242
6	129	136	4	140	143				5	142	139	5	142	139	5	142	139	5	142	139
8	57	43	5	510	523	0	2	L	6	18*	20	6	18*	20	6	18*	20	6	18*	20
10	256	244	6	14*	2	0	331*	390	7	57*	52	7	57*	52	7	57*	52	7	57*	52
			7	304	306	2	2	L	8	148	144	8	148	144	8	148	144	8	148	144
8	0	L	8	299	305	2	2	L	2	2	L	2	2	L	2	2	L	2	2	L
2	331	333	9	363	369	0	62	62	0	62	62	0	62	62	0	62	62	0	62	62
4	108	98	10	174	166	1	29	0	1	116	117	1	116	117	1	116	117	1	116	117
6	490	484	11	337	330	2	159	153	2	159	153	2	159	153	2	159	153	2	159	153
8	374	358	5	1	L	3	11*	0	3	204	196	3	204	196	3	204	196	3	204	196
			0	106	116	4	819	818	4	38*	15	4	38*	15	4	38*	15	4	38*	15
9	0	L	1	114	121	5	12*	0	5	259	264	5	259	264	5	259	264	5	259	264
2	277	280	2	413	428	6	432	437	6	19*	18	6	19*	18	6	19*	18	6	19*	18
4	82	71	3	130	126	7	29*	0	7	243	236	7	243	236	7	243	236	7	243	236
6	318	315	4	202	194	8	247	237	8	20*	18	8	20*	18	8	20*	18	8	20*	18
			5	31*	2	9	27*	0	9	27*	0	9	27*	0	9	27*	0	9	27*	0
			6	241	233	10	36*	7	10	36*	7	10	36*	7	10	36*	7	10	36*	7
			7	131	128	11	58	0	11	58	0	11	58	0	11	58	0	11	58	0
						12	228	216	12	228	216	12	228	216	12	228	216	12	228	216

Table 6b. Structure factors for beryl at 10 kbar. Page 1 of 2.

H	K	L	F(OBS)	F(CALC)	H	K	L	F(OBS)	F(CALC)
2	-2	8	24.606	23.934	3	-1	4	3.344 *	1.879
1	-2	8	10.274	13.600	2	-1	4	34.063	35.222
-1	-2	8	10.982 *	10.807	7	-2	4	47.540	46.467
3	-3	8	20.758	23.537	6	-2	4	46.664	45.744
-1	-1	7	3.465 *	0.000	5	-2	4	50.352	52.100
-2	-1	7	63.027	63.019	4	-2	4	88.771	86.862
-3	-1	7	19.655	20.243	7	-3	4	43.459	43.647
-4	-1	7	29.054	29.830	6	-3	4	3.565 *	2.286
5	-2	7	3.911 *	3.839	-7	2	3	30.501	28.916
4	-2	7	3.659 *	0.000	-8	2	3	18.282	14.167
2	-2	7	3.473 *	0.000	-3	1	3	17.527	14.945
3	-3	7	3.696 *	0.000	-4	1	3	49.673	49.412
4	-4	7	5.216 *	0.000	-5	1	3	74.167	73.514
-3	0	6	19.977	17.765	-6	1	3	17.039	15.657
-4	0	6	28.472	27.243	3	0	3	3.052 *	0.000
-5	0	6	25.086	25.202	-2	0	3	2.398 *	0.000
1	-1	6	3.067 *	2.135	-4	0	3	2.912 *	0.000
-1	-1	6	62.663	63.108	-5	0	3	3.224	0.000
-2	-1	6	45.480	45.394	-6	0	3	4.018 *	0.000
-3	-1	6	32.225	32.463	2	-1	3	3.683 *	0.000
-4	-1	6	3.688 *	0.570	6	-2	3	16.594	15.870
-5	-1	6	24.640	22.903	5	-2	3	44.575	45.336
6	-2	6	35.323	33.894	4	-2	3	3.174 *	0.000
4	-2	6	44.691	43.337	8	-3	3	35.216	36.746
2	-2	6	22.750	21.550	6	-3	3	3.420 *	0.000
6	-3	6	57.502	58.618	-4	-3	3	64.471	65.891
-5	1	5	51.587	51.562	8	-4	3	4.194 *	0.000
-6	1	5	3.593 *	2.662	-5	2	2	19.477	17.400
-2	0	5	2.828 *	0.000	-6	2	2	52.452	51.752
-3	0	5	3.067 *	0.000	-7	2	2	15.915	13.988
-4	0	5	3.486 *	0.000	-8	2	2	18.963	14.133
-5	0	5	3.145	0.000	-3	1	2	49.878	52.254
-6	0	5	3.884 *	0.000	-4	1	2	23.298	23.397
4	-1	5	13.252	11.962	-5	1	2	24.907	23.051
3	-1	5	30.590	29.544	-6	1	2	42.906	43.299
2	-1	5	3.001 *	0.000	-7	1	2	3.900 *	2.356
1	-1	5	3.803 *	0.000	7	0	2	30.273	30.491
7	-2	5	39.535	39.498	6	0	2	95.198	97.313
6	-2	5	16.486	14.022	5	0	2	14.397	11.128
5	-2	5	24.847	23.749	4	0	2	14.442 *	12.680
4	-2	5	3.342 *	0.000	3	0	2	9.354	9.911
7	-3	5	32.202	31.959	2	0	2	53.400	54.280
6	-3	5	3.643 *	0.000	1	0	2	48.268	48.591
-4	1	4	29.864	30.107	0	0	2	98.628	117.410
-5	1	4	15.343	12.566	2	-1	2	111.047	106.707
-6	1	4	20.177	20.173	4	-2	2	17.521	15.579
-7	1	4	20.664	16.359	8	-3	2	20.667	17.129
-1	0	4	21.369	20.024	6	-3	2	60.828	61.186
-2	0	4	64.178	63.388	8	-4	2	42.353	42.465
-3	0	4	79.257	79.058	-6	3	1	3.014 *	0.000
-4	0	4	10.859	9.978	-7	3	1	5.648	6.230
-5	0	4	25.311	25.459	-8	3	1	19.000	16.357
-6	0	4	57.125	57.515	-4	2	1	2.555 *	0.000

Table 6b. Structure factors of beryl at 10 kbar. Page 2 of 2.

H	K	L	F(OBS)	F(CALC)
-5	2	1	13.506 *	11.606
-6	2	1	19.770	19.723
-7	2	1	63.342	64.302
-8	2	1	15.778	12.592
6	1	1	5.347 *	8.469
5	1	1	9.488	8.725
4	1	1	48.318	47.716
-3	1	1	85.817	87.997
-4	1	1	37.543	36.724
-8	1	1	31.722	31.005
7	0	1	3.617 *	0.000
6	0	1	2.215 *	0.000
5	0	1	3.067 *	0.000
4	0	1	2.857 *	0.000
3	0	1	2.338 *	0.000
2	-1	1	1.780 *	0.000
8	-4	1	3.538 *	0.000
8	-4	0	14.756	13.034
5	-3	0	43.307	44.684
6	-3	0	39.947	40.280
7	-3	0	14.704	13.654
8	-3	0	20.048	19.438
3	-2	0	26.089	25.781
6	-2	0	31.198	31.598
7	-2	0	60.912	63.196
8	-2	0	3.722 *	1.572
6	1	0	44.379	43.432
5	1	0	13.100	11.134
4	1	0	63.559	64.592
3	1	0	26.218	24.326
7	0	0	18.924	18.523
6	0	0	35.782	36.463
5	0	0	84.527	83.761
4	0	0	55.120	55.730
3	0	0	21.178	21.091
2	0	0	40.888	40.404
1	0	0	79.836	79.967

Table 6c. Structure factors for beryl at 36 kbar. Page 1 of 2.

H	K	L	F(OBS)	F(CALC)	H	K	L	F(OBS)	F(CALC)
2	-2	8	22.547	22.211	-6	0	4	53.271	53.449
1	-2	8	12.627	12.207	3	-1	4	3.717	1.925
-1	-2	8	12.997	10.217	2	-1	4	33.749	33.487
3	-3	8	22.129	21.588	7	-2	4	44.270	43.573
-1	-1	7	3.569 *	0.000	6	-2	4	42.719	44.131
-2	-1	7	60.963	60.825	5	-2	4	48.949	50.264
-3	-1	7	17.472	18.216	4	-2	4	85.849	83.640
-4	-1	7	28.652	28.052	7	-3	4	41.569	41.841
5	-2	7	3.788 *	3.767	6	-3	4	3.668 *	1.703
4	-2	7	2.831 *	0.000	-3	1	3	17.846	14.172
2	-2	7	3.594 *	0.000	-4	1	3	47.376	47.871
3	-3	7	2.806 *	0.000	-5	1	3	71.048	71.874
4	-4	7	3.926 *	0.000	-6	1	3	13.560	14.351
-3	0	6	20.000	18.149	-7	1	3	3.741	4.044
-4	0	6	25.041	26.360	6	0	3	2.708 *	0.000
-5	0	6	23.249	22.646	5	0	3	2.535	0.000
2	-1	6	60.188	60.697	4	0	3	2.828 *	0.000
1	-1	6	3.188 *	2.343	3	0	3	2.198 *	0.000
-2	-1	6	42.901	43.925	2	0	3	1.876 *	0.000
-3	-1	6	30.234	30.991	-1	0	3	1.698	0.000
-4	-1	6	2.880 *	0.772	-7	0	3	3.052 *	0.000
-5	-1	6	23.564	22.033	2	-1	3	2.437 *	0.000
6	-2	6	34.178	31.807	7	-2	3	28.509	27.347
5	-2	6	6.161 *	7.313	6	-2	3	16.221	14.856
4	-2	6	41.658	41.674	5	-2	3	42.273	42.651
2	-2	6	20.568	20.472	4	-2	3	3.170 *	0.000
6	-3	6	54.108	55.059	8	-3	3	31.662	34.180
-5	1	5	49.151	50.075	7	-3	3	62.568	63.161
-6	1	5	3.207 *	1.496	6	-3	3	2.621 *	0.000
-2	0	5	2.486 *	0.000	-6	2	2	48.531	49.763
-3	0	5	3.020 *	0.000	-7	2	2	14.971	12.127
-4	0	5	3.323	0.000	-8	2	2	15.160	14.114
-5	0	5	2.265	0.000	-3	1	2	47.073	51.197
-6	0	5	3.584 *	0.000	-4	1	2	22.397	22.941
4	-1	5	14.215	12.940	-5	1	2	24.652	22.357
3	-1	5	29.791	29.027	-6	1	2	41.661	41.437
2	-1	5	2.215	0.000	-7	1	2	2.855 *	1.546
0	-1	5	2.855	0.000	7	0	2	31.731	30.399
7	-2	5	37.277	37.177	6	0	2	93.056	91.998
6	-2	5	13.646	13.039	5	0	2	9.526	9.446
5	-2	5	22.852	22.480	4	0	2	10.769	11.925
4	-2	5	2.486 *	0.000	3	0	2	7.867	8.483
7	-3	5	31.893	30.807	2	0	2	55.275	53.374
6	-3	5	2.892 *	0.000	1	0	2	41.557	47.657
-4	1	4	29.036	30.013	0	0	2	92.232	106.398
-5	1	4	14.666	12.332	2	-1	2	109.014	99.619
-6	1	4	19.660	18.575	5	-2	2	18.835	16.727
-7	1	4	17.772	16.921	4	-2	2	16.726	15.589
-1	0	4	21.961	19.764	8	-3	2	17.230	17.009
-2	0	4	59.553	62.220	7	-3	2	8.696	6.501
-3	0	4	76.943	75.409	6	-3	2	57.599	58.912
-4	0	4	8.805 *	8.937	8	-4	2	41.712	40.908
-5	0	4	24.499	23.336	-8	3	1	14.350	15.708

Table 6c. Structure factors for beryl at 36 kbar. Page 2 of 2.

H	K	L	F(OBS)	F(CALC)
-4	2	1	1.945 *	0.000
-5	2	1	12.768	11.776
-6	2	1	18.126	19.023
-7	2	1	62.475	61.950
-8	2	1	12.398 *	11.088
7	1	1	28.580	28.545
6	1	1	6.646 *	7.790
5	1	1	12.145	10.299
4	1	1	46.736	46.528
3	1	1	36.964	35.373
-3	1	1	83.722	84.606
7	0	1	2.855 *	0.000
6	0	1	2.683	0.000
5	0	1	2.412	0.000
4	0	1	2.831 *	0.000
1	0	1	1.233 *	0.000
2	-1	1	1.602 **	0.000
6	-3	1	2.412 **	0.000
8	-4	1	2.855 **	0.000
5	-3	0	41.882	43.948
6	-3	0	38.466	38.061
7	-3	0	12.674	12.679
8	-3	0	18.712	19.109
3	-2	0	25.129	24.926
4	-2	0	6.304	6.440
6	-2	0	30.823	29.728
7	-2	0	57.751	59.279
8	-2	0	2.946 *	1.454
7	1	0	17.942	14.396
6	1	0	42.502	42.036
5	1	0	11.370	10.931
4	1	0	64.360	63.710
3	1	0	28.570	23.905
2	-1	0	19.840	27.709
7	0	0	17.329	16.832
6	0	0	34.978	35.002
5	0	0	78.063	79.555
4	0	0	56.223	54.617
3	0	0	19.955	19.993
2	0	0	37.095	38.988
1	0	0	74.091	73.630
8	-4	0	12.829	11.579

Table 6d. Structure factors for beryl at 57 kbar. Page 1 of 2.

H	K	L	F(OBS)	F(CALC)	H	K	L	F(OBS)	F(CALC)
0	-2	8	26.712	24.568	7	-2	4	44.369	45.071
-1	-2	8	11.318 *	9.252	6	-2	4	42.605	43.199
-3	-3	8	25.046	23.820	5	-2	4	49.605	50.286
-2	-1	7	60.426	60.253	4	-2	4	86.253	84.657
-3	-1	7	21.831	23.140	7	-3	4	41.245	42.032
-4	-1	7	29.435	28.152	6	-3	4	4.425 *	2.657
2	-2	7	4.111 *	0.000	-3	1	3	16.819	16.232
1	-2	7	4.152 *	0.000	-4	1	3	48.401	46.870
-2	-2	7	4.397 *	0.000	-5	1	3	74.468	74.992
-3	-2	7	4.725 *	4.212	-6	1	3	18.177	17.203
3	-3	7	4.466 *	0.000	-7	1	3	4.345 *	3.445
4	-4	7	4.589 *	0.000	-1	0	0	2.513	0.000
-4	0	6	25.428	25.853	-4	0	0	3.286 *	0.000
-5	0	6	23.549	25.474	-6	0	0	4.201 *	0.000
0	-1	6	3.605 *	0.623	-7	0	0	4.744 *	0.000
-1	-1	6	59.615	61.680	2	-1	3	2.709 *	0.000
-2	-1	6	43.752	43.983	7	-2	3	29.001	26.206
-3	-1	6	32.286	33.819	6	-2	3	21.167	17.786
-4	-1	6	2.868 *	1.782	5	-2	3	44.225	45.034
6	-2	6	30.866	30.896	4	-2	3	3.878 *	0.000
5	-2	6	4.485 *	6.968	8	-3	3	36.066	35.503
4	-2	6	42.130	44.009	7	-3	3	65.982	66.404
2	-2	6	21.795	19.819	6	-3	3	4.315 *	0.000
6	-3	6	57.862	57.693	8	-4	3	4.616 *	0.000
3	-3	6	25.223	20.086	5	-5	3	3.715 *	0.000
-6	1	5	4.482 *	2.436	-5	2	2	18.319	16.844
-4	0	5	4.179 *	0.000	-6	2	2	50.113	50.327
-5	0	5	4.203 *	0.000	-7	2	2	12.474 *	12.548
4	-1	5	7.538	6.812	-8	2	2	11.340 *	11.090
3	-1	5	30.003	30.907	-3	1	2	48.535	51.465
2	-1	5	3.420 *	0.000	-4	1	2	23.199	22.200
0	-1	5	4.479	0.000	-5	1	2	21.970	22.860
-4	-1	5	50.299	50.234	-6	1	2	41.840	40.846
7	-2	5	38.473	39.036	-7	1	2	4.520 *	3.223
6	-2	5	17.152	15.512	7	0	0	31.614	30.852
5	-2	5	23.866	22.503	6	0	0	99.369	96.330
4	-2	5	3.742 *	0.000	5	0	0	8.541 *	9.634
2	-2	5	3.400 *	0.000	4	0	0	14.361 *	9.790
7	-3	5	30.557	29.676	3	0	0	11.996	9.463
-3	-3	5	4.482 *	0.000	2	0	0	55.901	54.984
6	-6	5	4.971 *	0.000	-1	0	0	45.849	49.947
-4	1	4	29.682	29.682	2	-1	2	110.365	105.949
-5	1	4	16.459	13.491	4	-2	2	15.358	14.047
-6	1	4	18.559	17.290	8	-3	2	19.927	18.752
-7	1	4	19.228	15.160	7	-3	2	7.211	7.311
-2	0	4	62.923	63.779	6	-3	2	58.231	60.041
-3	0	4	75.623	76.833	8	-4	2	39.784	40.674
-4	0	4	9.860 *	6.227	-7	3	1	4.050 *	6.800
-5	0	4	26.977	24.863	-8	3	1	16.368	16.019
-6	0	4	55.226	55.380	-4	2	1	2.950	0.000
2	-1	4	32.625	34.051	-6	2	1	20.400	20.826
1	-1	4	20.779	19.449	-7	2	1	61.442	63.829
-2	-1	4	4.179	2.156	-8	2	1	13.272 *	13.756

Table 6d. Structure factors for beryl at 57 kbar. Page 2 of 2.

H	K	L	F(OBS)	F(CALC)
6	1	1	9.469	8.497
5	1	1	13.506	8.944
4	1	1	47.958	47.546
-3	1	1	86.286	86.661
-4	1	1	39.644	38.118
-8	1	1	26.848	29.122
7	0	1	4.452 *	0.000
6	0	1	4.042 *	0.000
5	0	1	3.687 *	0.000
3	0	1	2.729 *	0.000
5	-2	1	10.051 *	12.560
6	-3	1	3.668 *	0.000
8	-4	1	4.315 *	0.000
8	-4	0	15.896	13.661
5	-3	0	43.400	44.095
6	-3	0	38.811	38.624
7	-3	0	15.350	12.205
8	-3	0	15.372 *	18.558
3	-2	0	23.658	24.536
4	-2	0	7.170 *	5.549
6	-2	0	25.584	28.332
7	-2	0	55.527	61.612
8	-2	0	4.534 *	4.749
7	1	0	13.028 *	14.369
6	1	0	42.457	41.969
5	1	0	15.033	12.431
4	1	0	64.657	65.133
3	1	0	27.040	25.519
1	1	0	20.676	27.045
7	0	0	16.506	17.927
6	0	0	35.138	35.517
5	0	0	85.133	81.810
4	0	0	57.575	55.144
3	0	0	20.239	19.152
2	0	0	39.123	39.152
1	0	0	79.980	79.906

TABLE 6f. Structure factors for euclase at 21 kbar. Page 1 of 2.

H	K	L	F(OBS)	F(CALC)	H	K	L	F(OBS)	F(CALC)	H	K	L	F(OBS)	F(CALC)
-1	0	6	2.282 *	0.000	1	2	4	20.056	20.243	2	2	3	13.455	12.759
2	3	5	17.103	17.380	1	1	4	31.181	31.550	2	1	3	9.227	9.020
2	2	5	2.254 *	0.304	1	-4	4	5.847	4.395	2	0	3	13.243	12.924
2	1	5	10.871	8.072	0	2	4	20.860	21.862	1	3	3	43.160	42.688
2	0	5	12.900	12.814	0	1	4	1.865	2.527	1	2	3	56.050	56.283
2	-4	5	24.243	24.926	0	0	4	31.193	32.037	1	1	3	5.494	5.517
1	3	5	16.762	18.055	0	-3	4	6.323	8.621	1	0	3	1.775 *	0.000
1	1	5	9.368 *	7.860	0	-4	4	11.974	9.730	1	-4	3	45.430	45.082
1	0	5	2.086 *	0.000	0	-5	4	22.012	22.187	0	3	3	36.230	36.211
0	3	5	26.054	26.055	-1	3	4	8.512	7.459	0	2	3	14.809	14.974
0	2	5	16.321	14.373	-1	2	4	25.732	26.685	0	1	3	14.092	14.579
0	0	5	16.004	16.236	-1	1	4	30.872	32.382	0	0	3	25.147	25.711
0	0	5	8.512	6.465	-1	-4	4	7.131	5.409	-1	3	3	17.390	16.924
0	0	5	9.666	10.654	-1	-5	4	23.102	21.605	-1	2	3	20.258	20.233
0	-4	5	18.865	19.275	-2	3	4	13.205	14.795	-1	1	3	1.607 *	0.866
0	-5	5	13.038	14.060	-2	2	4	4.540 *	4.893	-1	0	3	1.607 *	0.000
-1	3	5	7.874	7.843	-2	1	4	1.943 *	2.939	-1	-4	3	21.345	21.171
-1	2	5	2.086 *	2.057	-2	0	4	15.291	15.228	-2	3	3	53.204	52.795
-1	1	5	2.065 *	0.000	-2	-4	4	18.597	17.626	-2	2	3	49.050	48.864
-1	0	5	3.511	3.484	-2	-5	4	16.543	16.757	-2	1	3	27.511	28.042
-1	-4	5	13.877	13.939	-3	2	4	23.676	23.628	-2	0	3	10.931	10.601
-1	-5	5	26.641	27.179	-3	1	4	25.258	25.715	-2	-4	3	17.440	17.517
-2	3	5	4.878	4.778	-3	-3	4	8.029	6.603	-2	-5	3	13.332	13.082
-2	2	5	16.374	17.213	-3	-4	4	21.884	23.093	-3	3	3	7.446 *	7.708
-2	1	5	1.620 *	0.388	-3	-5	4	21.478	20.940	-3	2	3	23.063	23.265
-2	0	5	20.212	20.283	-4	2	4	13.838	12.381	-3	1	3	3.019 *	4.077
-2	-4	5	5.895 *	5.325	-4	1	4	6.719 *	5.522	-3	-5	3	28.569	27.252
-2	-5	5	2.138 *	2.880	-4	0	4	11.933	10.752	-4	3	3	20.069	20.517
-2	1	5	15.934	16.278	-4	-4	4	2.073 *	3.018	-4	2	3	17.646	17.391
-2	0	5	2.138 *	0.000	-5	2	4	35.112	35.890	-4	1	3	12.922	12.177
-2	-3	5	2.177 *	1.265	-5	1	4	12.157 *	11.962	-4	0	3	24.976	24.113
-2	-4	5	2.138 *	1.763	-5	0	4	3.077 *	0.000	-4	-5	3	10.293	8.400
-2	-5	5	14.330	13.973	-5	-3	4	10.080	9.762	-5	2	3	7.814 *	7.779
-4	1	5	9.173	8.642	-5	-4	4	17.000	15.955	-5	1	3	9.458	7.758
-4	0	5	15.496	16.872	-5	-4	4	17.338	16.358	-5	-5	3	15.911	14.118
-4	-3	5	21.465	20.352	4	4	3	3.913 *	4.217	-5	4	2	10.767	10.546
-4	-4	5	15.344	14.855	4	3	3	2.168 *	1.319	5	3	2	4.936	4.435
-4	-5	4	14.237	13.354	4	2	3	7.104	5.033	5	2	2	20.562	19.807
3	3	4	14.146	12.192	4	1	3	20.190	19.994	5	1	2	2.203 *	1.456
3	2	4	2.177 *	0.000	3	0	3	18.624	17.348	5	0	2	1.542 *	0.000
3	1	4	17.059	17.435	3	4	3	15.854	15.689	5	4	2	1.982 *	3.230
3	0	4	10.245	9.232	3	3	3	23.789	23.349	4	4	2	36.474	36.156
2	3	4	2.047 *	0.603	3	2	3	15.592	14.917	4	3	2	26.955	27.434
2	2	4	17.453	18.089	3	1	3	2.073 *	0.000	4	2	2	26.212	25.197
2	1	4	21.748	22.587	2	0	3	11.609	10.807	4	1	2	27.649	27.780
2	0	4	1.995 *	2.460	2	4	3	6.472	4.924	3	0	2	16.742	16.740

TABLE 6f. Structure factors for Euclase at 21 kbar. Page 2 of 2.

H	K	L	F(OBS)	F(CALC)	H ²	K	L	F(OBS)	F(CALC)								
-2	3	2	18.878	19.218	-3	3	1	16.841	16.599	0	0	1	27.585	27.715			
-2	2	2	15.250	14.210	-3	2	1	13.917	14.609	0	0	1	35.136	37.149			
-2	1	2	13.734	12.916	-3	1	1	26.536	26.586	-1	-1	1	17.715	16.870			
-2	0	2	45.646	45.993	-3	-4	1	46.423	46.799	-1	-1	1	52.383	52.257			
-2	-4	2	7.424	6.863	-3	3	1	23.722	23.356	-2	-2	1	2.985	2.449			
-3	3	2	8.146	8.333	-4	2	1	23.913	24.306	-2	-2	1	17.754	14.823			
-3	2	2	13.240	12.269	-4	1	1	7.913	6.988	-2	-2	1	61.597	53.556			
-3	1	2	33.428	32.363	-4	0	1	39.958	40.860	-2	-2	1	22.754	33.252			
-3	0	2	1.385	0.000	-4	-4	1	5.433	4.488								
-3	-4	2	20.978	21.438	-4	-5	1	11.653	11.216								
-4	3	2	5.833	4.800	-5	3	1	2.060	0.287								
-4	2	2	31.199	31.578	-5	2	1	11.710	11.683								
-4	1	2	7.022	6.623	-5	1	1	2.028	1.870								
-4	0	2	14.641	13.766	-5	0	1	2.073	0.000								
-4	-4	2	23.270	23.043	-5	-4	1	7.852	6.876								
-4	-5	2	1.899	1.166	-5	-5	1	19.404	20.628								
-5	2	2	20.421	19.703	-6	2	1	17.270	18.346								
-5	1	2	18.808	19.121	-6	1	1	12.123	11.327								
-5	0	2	2.079	0.000	-6	0	1	46.619	47.194								
-5	-3	2	2.099	4.511	-6	3	0	5.584	9.957								
-5	-4	2	15.955	15.934	-6	2	0	19.581	19.449								
-5	-5	2	20.585	19.961	-6	1	0	11.531	9.328								
-6	2	2	7.055	7.144	-6	3	0	6.126	4.203								
-6	1	2	5.473	4.464	-6	2	0	18.433	17.429								
-6	0	2	19.099	19.470	-6	1	0	6.971	4.707								
-6	-4	2	26.017	25.957	-6	0	0	4.276	0.000								
5	3	1	2.151	0.577	4	3	0	21.960	21.308								
5	2	1	2.157	1.441	4	2	0	11.470	10.844								
5	1	1	20.589	20.611	4	1	0	17.580	18.044								
5	0	1	2.112	0.000	4	0	0	25.889	25.641								
4	4	1	2.041	1.356	4	3	0	9.195	9.011								
4	3	1	21.496	22.392	3	3	0	14.572	14.335								
4	1	1	9.108	7.837	3	2	0	12.237	12.486								
4	0	1	26.193	25.792	3	1	0	21.268	21.911								
3	4	1	22.888	23.262	2	3	0	9.134	9.570								
3	3	1	1.425	3.586	2	1	0	60.948	58.483								
3	2	1	38.906	38.129	2	0	0	15.665	16.850								
3	1	1	23.029	24.013	1	1	0	0.897	0.147								
3	0	1	3.697	0.000	1	2	0	39.358	38.825								
2	2	1	40.610	36.693	3	4	0	27.597	27.755								
2	1	1	18.428	16.800	5	4	0	3.952	1.269								
2	0	1	58.823	55.625	1	2	5	8.279	6.248								
1	2	1	57.726	57.506	-4	-4	5	5.779	4.045								
1	1	1	19.825	18.388	3	2	4										
0	1	1	7.476	7.977	3	2	4										

Table 6g. Structure factors for euclase at 42 kbar. Page 1 of 3.

H	K	L	F(OBS)	F(CALC)	H	K	L	F(OBS)	F(CALC)
2	3	5	15.432	16.257	-1	-4	4	5.516 *	4.639
2	2	5	1.077 *	0.148	-1	-5	4	20.956 *	20.271
2	1	5	10.922	7.858	-2	3	4	14.593	13.937
2	0	5	12.228	11.541	-2	2	4	5.455 *	4.376
2	-4	5	23.723	23.466	-2	1	4	1.925 *	2.155
1	3	5	16.553	17.951	-2	0	4	15.169	15.834
1	2	5	2.096 *	1.118	-2	-4	4	17.763	17.411
1	1	5	6.827	7.159	-2	-5	4	16.124	16.184
1	0	5	2.090 *	0.000	-3	3	4	6.767	5.932
0	3	5	25.167	24.316	-3	2	4	22.058	22.538
0	2	5	12.833	11.308	-3	1	4	23.491	24.638
0	1	5	15.136	15.423	-3	0	4	4.484 *	0.000
0	0	5	4.182 *	5.260	-3	-4	4	19.480	20.570
0	-4	5	9.820	9.943	-3	-5	4	21.176	20.051
-1	3	5	13.522	13.912	-4	2	4	12.547	12.224
-1	2	5	7.355	7.115	-4	1	4	5.925 *	5.181
-1	1	5	2.071 *	1.973	-4	0	4	11.197	9.099
-1	0	5	2.039 *	0.000	-4	-3	4	2.090 *	2.523
-2	3	5	26.671	25.989	-4	-4	4	2.071 *	2.773
-2	2	5	6.696 *	4.853	-4	-5	4	2.176 *	8.786
-2	1	5	17.278	16.383	-5	2	4	33.254	34.486
-2	-4	5	18.697	19.753	-5	1	4	11.033	10.321
-3	3	5	2.128 *	1.490	-5	0	4	2.217 *	0.000
-3	2	5	0.709 *	3.196	-5	-3	4	10.216	10.521
-3	1	5	13.160	13.274	-5	-4	4	15.558	14.775
-3	0	5	2.103 *	0.000	4	4	3	14.572	15.385
-3	-4	5	2.179 *	1.490	4	3	3	4.427 *	4.634
-4	3	5	2.217 *	3.535	4	2	3	2.075 *	0.677
-4	2	5	9.962	7.604	4	1	3	0.773 *	4.672
-4	1	5	16.644	15.005	4	0	3	19.674	19.740
-4	0	5	18.909	19.894	3	4	3	16.323	16.431
-3	3	5	13.717	12.095	3	3	3	15.902	15.349
-3	2	5	12.138	11.903	3	2	3	21.840	23.742
-3	1	5	2.110 *	0.000	3	1	3	15.774	14.214
-3	0	5	21.646	21.686	3	0	3	1.939 *	0.000
-2	3	5	16.789	17.971	2	4	3	9.638	10.014
-2	2	5	9.835	9.138	2	3	3	4.424 *	4.784
-2	1	5	1.939 *	0.440	2	2	3	11.124	12.532
-2	0	5	15.022	14.255	2	1	3	6.655	6.104
-1	3	5	6.210	4.923	2	0	3	12.539	11.552
-1	2	5	4.523 *	3.217	1	4	3	44.329	44.547
-1	1	5	18.352	19.768	1	3	3	42.421	41.945
-1	0	5	29.309	31.253	1	2	3	55.637	55.720
0	3	5	1.972 *	0.000	1	1	3	6.713	4.753
0	2	5	9.347	9.260	1	0	3	1.875 *	0.000
0	1	5	19.818	20.916	0	3	3	35.263	35.937
0	0	5	1.837 *	2.267	0	2	3	14.228	14.763
0	-4	5	29.029	30.307	0	1	3	14.215	15.025
-1	3	4	3.182	9.041	0	0	3	24.392	25.712
-1	2	4	9.536	8.489	0	-4	3	4.368 *	4.673
-1	1	4	24.521	25.426	-1	3	3	17.593	17.244
-1	0	4	31.052	32.744	-1	2	3	20.077	19.647
-1	0	4	1.900 *	0.000	-1	1	3	1.596 *	1.317

Table 6g. Structure factors for euclase at 42 kbar. Page 2 of 2.

H	K	L	F(OBS)	F(CALC)	H	K	L	F(OBS)	F(CALC)
-1	0	3	1.592 *	0.000	-2	3	2	19.074	19.433
-1	-4	3	20.896	21.606	-2	2	2	14.282	13.019
-2	3	3	53.249	52.615	-2	1	2	12.125	12.552
-2	2	3	48.902	48.182	-2	0	2	43.552	44.797
-2	1	3	27.821	28.453	-2	-4	2	6.950	7.493
-2	0	3	10.506	10.209	-3	3	2	8.827	8.053
-2	-4	3	16.167	16.023	-3	2	2	14.148	14.281
-3	3	3	9.275	8.072	-3	1	2	32.618	31.894
-3	2	3	22.025	22.530	-3	-4	2	21.342	21.058
-3	0	3	1.824 *	0.000	-4	2	2	27.702	20.373
-3	-4	3	2.250 *	1.494	-4	1	2	5.342 *	7.236
-3	-5	3	27.026	26.075	-4	0	2	15.150	14.557
-4	3	3	20.775	20.647	-4	-4	2	20.759	20.961
-4	2	3	16.848	17.067	-4	-5	2	1.850 *	0.406
-4	1	3	11.557	12.260	-5	2	2	20.117	19.533
-4	0	3	24.035	23.957	-5	1	2	19.322	18.902
-4	-4	3	2.077 *	3.279	-5	0	2	4.881 *	0.000
-5	2	3	10.096	7.649	-5	-3	2	5.892 *	3.542
-5	1	3	9.512	8.135	-5	-4	2	15.756	14.252
-5	0	3	2.108 *	0.000	-5	-5	2	17.963	19.808
-5	-3	3	2.115 *	3.203	-6	2	2	10.684	7.517
-5	-4	3	9.066	9.477	-6	1	2	6.054	4.812
-5	-5	3	14.128	12.365	-6	0	2	18.293	17.286
5	4	2	10.352	10.724	5	4	1	24.178	25.174
5	3	2	2.989 *	3.552	5	3	1	2.065 *	0.519
5	2	2	19.377	17.922	5	2	1	2.123 *	2.450
5	0	2	2.858 *	0.000	5	1	1	18.403	18.360
4	4	2	1.989	2.829	5	0	1	2.115 *	0.000
4	3	2	35.049	35.279	4	3	1	22.262	21.499
4	2	2	26.949	27.126	4	2	1	2.001 *	0.436
4	1	2	26.041	25.477	4	1	1	9.360	8.923
4	0	2	27.201	26.050	4	0	1	26.035	26.405
3	4	2	15.360	15.733	4	-4	1	1.921 *	1.254
3	3	2	10.960	11.109	3	4	1	22.474	22.781
3	2	2	7.630	6.660	3	3	1	1.704 *	2.821
3	1	2	1.897	2.019	3	2	1	39.049	37.820
3	0	2	1.953 *	0.000	3	1	1	22.479	23.756
2	4	2	6.129	6.567	3	0	1	1.710 *	0.000
2	3	2	31.173	29.255	2	3	1	1.590 *	4.251
2	2	2	28.927	27.212	2	2	1	37.516	36.713
2	0	2	56.857	56.925	2	1	1	18.606	17.371
1	3	2	5.915	6.573	2	0	1	56.616	55.597
1	2	2	17.948	18.240	1	2	1	56.961	57.702
1	1	2	12.187	12.151	1	1	1	19.408	18.745
1	0	2	1.419 *	0.000	1	0	1	2.733 *	0.000
0	3	2	15.409	15.850	0	1	1	7.211	7.824
0	2	2	21.080	19.848	0	0	1	28.435	27.777
0	1	2	40.290	37.894	0	-2	1	33.007	37.446
0	0	2	41.734	42.008	-1	2	1	50.524	51.542
-1	3	2	31.582	32.759	-1	1	1	17.171	16.583
-1	2	2	10.351	9.483	-2	1	1	17.010	13.824
-1	1	2	20.149	20.601	-2	0	1	59.986	54.913
-1	0	2	1.350 *	0.000	-2	-3	1	31.677	34.179

Table 6g. Structure factors for euclase at 42 kbar. Page 3 of 3.

H	K	L	F(OBS)	F(CALC)
-3	3	1	14.887	15.375
-3	2	1	13.701	13.682
-3	1	1	25.485	25.675
-3	-4	1	37.149	47.010
-4	3	1	23.044	23.122
-4	2	1	23.269	22.941
-4	1	1	5.815 *	7.015
-4	0	1	37.847	38.576
-5	3	1	2.065 *	0.147
-5	2	1	11.763	10.229
-5	1	1	2.027 *	1.720
-5	0	1	2.014 *	0.000
-5	-4	1	7.625	7.168
-6	2	1	17.484	16.743
-6	1	1	10.633	10.642
-6	0	1	48.769	48.426
-6	-3	1	5.914 *	4.039
3	2	0	19.489	18.477
6	1	0	7.924 *	8.208
6	0	0	5.408 *	8.336
5	3	0	2.052 *	3.319
5	2	0	16.162	16.133
5	1	0	5.106 *	4.624
5	0	0	2.027 *	0.000
4	3	0	21.232	20.513
4	2	0	13.170	10.765
4	1	0	16.106	16.533
3	3	0	9.791	8.799
3	2	0	15.152	14.102
3	1	0	13.222	13.123
3	0	0	1.590 *	0.000
2	3	0	21.849	22.249
2	1	0	10.235	9.846
2	0	0	61.379	59.927
1	1	0	15.749	16.525
2	2	0	13.152	13.235
3	4	0	38.423	38.682
5	4	0	27.747	27.444
1	-4	5	8.423	5.351
3	2	4	5.016	3.791
3	-4	4	7.250	2.741
-3	1	3	6.123	5.457
-4	-5	3	8.370	6.470
-2	1	2	4.116	3.929
-4	3	2	5.548	4.678
-6	-3	2	8.955	5.449
-2	2	1	3.990	2.679
-4	-4	1	6.726	4.507
-4	-5	1	12.748	9.610
-5	-5	1	23.726	20.981
-5	-4	1	9.494	6.839

Table 6h. Structure factors for euclase at 62 kbar. Page 1 of 3.

H	K	L	F(OBS)	F(CALC)	H	K	L	F(OBS)	F(CALC)
2	4	5	23.172	23.843	-1	4	4	5.636	5.892
2	3	5	17.976	17.149	-1	3	4	8.909 *	8.526
2	2	5	2.004	0.825	-1	2	4	24.677	26.108
2	1	5	1.993 *	7.374	-1	1	4	30.059	32.474
2	0	5	12.194	11.634	-1	0	4	1.739 *	0.000
1	4	5	7.458	6.838	-2	4	4	18.059	16.299
1	3	5	17.175	18.375	-2	3	4	14.894	14.605
1	2	5	1.679 *	1.798	-2	2	4	6.412	5.412
1	1	5	8.909	7.602	-2	1	4	2.018 *	1.963
1	0	5	1.890 *	0.000	-2	0	4	16.558	16.364
0	4	5	12.562 *	10.106	-3	4	4	20.515	21.275
0	3	5	24.691	25.462	-3	3	4	6.545	5.337
0	2	5	14.202	14.105	-3	2	4	22.267	22.680
0	1	5	16.343	16.157	-3	1	4	25.257	26.224
0	0	5	6.617	4.970	-3	0	4	1.806 *	0.000
-1	4	5	3.199 *	3.087	-4	3	4	4.769 *	4.046
-1	3	5	13.416	14.033	-4	2	4	10.631	11.784
-1	2	5	9.830 *	7.085	-4	1	4	6.755 *	5.314
-1	1	5	3.148 *	2.151	-4	0	4	7.650 *	8.610
-1	0	5	1.853 *	0.000	-4	-4	4	3.237 *	3.242
-2	4	5	19.912	19.207	-5	2	4	35.470	36.256
-2	3	5	25.594	26.703	-5	1	4	12.175	12.111
-2	2	5	5.691 *	5.250	-5	-3	4	11.107	10.071
-2	1	5	16.070	16.669	-5	-4	4	15.912	15.112
-3	3	5	1.912 *	1.831	4	5	3	11.348	13.120
-3	2	5	3.320 *	3.256	4	4	3	15.731	15.805
-3	1	5	15.814	15.935	4	3	3	6.929	4.645
-3	0	5	1.915 *	0.000	4	2	3	1.924 *	0.855
-4	4	5	1.957 *	1.958	4	1	3	5.442 *	5.051
-4	3	5	4.674	3.918	4	0	3	20.840	20.647
-4	2	5	10.029 *	8.233	3	5	3	24.100	24.069
-4	1	5	17.402	15.708	3	4	3	16.696	16.821
-4	0	5	20.502	21.019	3	3	3	13.697	14.469
-3	5	4	6.229 *	4.796	3	2	3	24.838	24.455
-3	3	4	15.457	12.432	3	1	3	15.446	14.830
-3	2	4	5.385 *	4.362	3	0	3	2.267 *	0.000
-3	1	4	12.335	11.830	2	5	3	22.638	23.669
-3	0	4	12.632	12.643	2	4	3	10.529	10.470
-2	4	4	20.909	22.272	2	3	3	4.720	4.825
-2	3	4	18.153	18.284	2	2	3	13.024	13.072
-2	2	4	10.620	9.759	2	1	3	9.641	8.411
-2	1	4	1.768 *	0.615	1	4	3	46.846	46.106
-2	0	4	16.908	16.799	1	3	3	42.426	42.832
1	5	4	1.803 *	5.687	1	2	3	58.510	58.804
1	4	4	5.265	5.368	1	1	3	7.068	5.014
1	3	4	3.259 *	2.309	1	0	3	1.614 *	0.000
1	2	4	18.766	19.047	0	4	3	1.504 *	4.622
1	1	4	30.588	31.434	0	3	3	35.910	36.754
1	0	4	1.736 *	0.000	0	2	3	14.018	14.171
0	3	4	8.340	9.626	0	1	3	14.367	14.572
0	2	4	21.580	21.622	0	0	3	24.916	25.415
0	1	4	1.446 *	2.648	-1	4	3	22.386	23.202
0	0	4	29.283	30.550	-1	3	3	18.193	17.995

Table 6 h. Structure factors for euclase at 62 kbar. Page 2 of 3.

H	K	L	F(OBS)	F(CALC)	H	K	L	F(OBS)	F(CALC)
-1	2	3	21.943	21.110	0	0	2	45.597	44.749
-1	1	3	1.446 *	0.290	-1	3	2	34.027	34.266
-1	0	3	1.443 *	0.000	-1	2	2	9.443	10.561
-2	4	3	15.691	15.606	-1	1	2	21.237	21.416
-2	3	3	56.145	55.616	-1	0	2	1.693 *	0.000
-2	2	3	50.178	49.445	-2	3	2	18.843	19.545
-2	1	3	27.632	28.213	-2	2	2	13.561	13.372
-2	0	3	9.373	9.434	-2	1	2	13.096	12.249
-3	3	3	8.351	8.305	-2	0	2	46.337	46.756
-3	2	3	22.650	22.804	-2	-4	2	7.707	7.917
-3	1	3	4.323 *	3.702	-3	3	2	8.743	7.741
-3	0	3	1.663 *	0.000	-3	2	2	15.257	14.431
-3	-4	3	4.821	3.065	-3	1	2	32.591	31.778
-4	3	3	21.291	21.288	-3	0	2	1.519 *	0.000
-4	2	3	17.089	17.876	-3	-4	2	20.722	22.153
-4	1	3	12.129	12.686	-4	3	2	4.915	4.679
-4	0	3	24.085	24.281	-4	2	2	31.070	30.991
-4	-4	3	1.873 *	3.434	-4	1	2	5.594 *	7.040
-4	-5	3	7.384	6.741	-4	0	2	15.159	14.965
-5	2	3	5.824 *	8.036	-4	-4	2	20.783	20.192
-5	1	3	7.137 *	8.477	-5	2	2	19.670	19.987
-5	0	3	1.909 *	0.000	-5	1	2	18.914	19.436
-5	-3	3	3.563 *	2.296	-5	0	2	1.575 *	0.000
5	5	2	17.194	17.197	-5	-3	2	4.11E *	5.047
5	4	2	14.038	11.846	-5	-4	2	14.874	14.234
5	3	2	2.017 *	3.756	-6	1	2	2.036 *	3.890
5	2	2	18.461	18.196	-6	0	2	18.677	17.272
5	1	2	2.042 *	1.650	-6	-5	2	7.270 *	7.359
5	0	2	2.011 **	0.000	5	5	1	10.105	9.017
4	5	2	5.467 **	4.411	5	4	1	26.523	26.506
4	4	2	4.586 *	3.653	5	3	1	1.919 *	0.353
4	3	2	36.727	35.757	5	2	1	1.890 *	2.954
4	2	2	27.749	27.733	5	1	1	19.146	19.124
4	1	2	26.114	26.861	5	0	1	2.161 *	0.000
4	0	2	27.317	26.730	4	5	1	1.774 *	2.520
3	5	2	20.866	20.785	4	4	1	2.295 *	1.328
3	4	2	16.261	16.485	4	3	1	20.894	21.457
3	3	2	10.537	11.253	4	2	1	1.824	0.196
3	2	2	7.555	6.574	4	1	1	6.115	7.318
3	1	2	1.723 *	2.149	4	0	1	25.807	25.980
2	5	2	13.734	14.061	3	5	1	26.637	25.567
2	4	2	8.734	7.426	3	4	1	25.468	24.615
2	3	2	31.058	29.974	3	3	1	32.616	35.710
2	2	2	28.696	28.455	3	2	1	24.632	24.332
2	1	2	60.416	60.059	3	1	1	1.503 *	0.000
1	4	2	9.867	9.815	2	4	1	16.627	17.291
1	3	2	6.941	5.425	2	3	1	6.907 *	5.110
1	2	2	18.501	17.763	2	2	1	35.992	36.400
1	1	2	12.654	12.226	2	1	1	18.721	18.085
1	0	2	1.267 *	0.000	2	0	1	63.359	58.596
0	3	2	15.378	15.244	1	3	1	1.069 *	1.140
0	2	2	20.625	19.391	1	2	1	60.232	61.391
0	1	2	41.607	37.220	1	1	1	19.127	18.900

Table 6h. Structure factors of euclase at 62 kbar. Page 3 of 3.

H	K	L	F(OBS)	F(CALC)	H	K	L	F(OBS)	F(CALC)
1	0	1	0.955 *	0.000	5	5	0	12.202	10.541
0	2	1	35.475	38.769	-5	0	4	2.024 *	0.000
0	1	1	7.108	7.677	0	4	4	1.855 *	8.508
0	0	1	28.023	27.770	-5	-4	3	7.738	10.243
-1	2	1	54.540	55.949	2	1	2	3.592	4.251
-1	1	1	16.828	16.272	-5	-5	2	17.830	20.636
-2	2	1	2.845	2.876	3	3	1	4.632	2.652
-2	1	1	17.572	15.128	-4	-4	1	6.951	4.251
-2	0	1	64.456	57.606	-6	-3	1	7.496	4.546
-2	-3	1	34.043	34.728	4	5	0	9.415	6.383
-3	3	1	15.417	16.414					
-3	2	1	14.935	14.467					
-3	1	1	25.710	25.813					
-3	-4	1	50.608	49.899					
-4	3	1	24.853	24.321					
-4	2	1	23.947	23.472					
-4	1	1	7.581	7.912					
-4	0	1	38.286	39.234					
-4	-5	1	11.864	10.336					
-5	2	1	10.951	10.448					
-5	1	1	4.002 *	3.174					
-5	0	1	1.805 *	0.000					
-5	-3	1	1.853 *	0.390					
-5	-4	1	8.427	7.977					
-5	-5	1	19.255	21.590					
-6	1	1	13.164	12.225					
-6	0	1	48.710	47.709					
-6	-2	1	18.806	17.574					
-6	-4	1	2.047 *	7.307					
6	2	0	19.987	19.015					
6	1	0	9.396	8.941					
6	0	0	6.900	7.680					
5	4	0	28.347	28.265					
5	3	0	4.135 *	3.292					
5	2	0	16.801	16.432					
5	1	0	4.338 *	5.478					
5	0	0	1.672 *	0.000					
4	4	0	9.524	8.843					
4	3	0	20.550	21.090					
4	2	0	12.184	11.613					
4	1	0	17.752	17.613					
4	0	0	25.474	25.482					
3	4	0	39.114	39.054					
3	3	0	8.933	9.313					
3	2	0	14.659	14.615					
3	1	0	14.571	14.171					
3	0	0	1.446 *	0.000					
2	3	0	22.100	23.020					
2	2	0	13.428	13.518					
2	1	0	10.616	9.885					
2	0	0	65.893	63.527					
1	2	0	1.837 *	1.227					
1	1	0	15.596	16.216					