

AM-88-364

Studies of the crystal structure and crystal chemistry of titanomaghemite

Collyer et al.

To be deposited: Structure Factors

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-1 5 12 5.42 7.74 7.60 1.45 10.78 -2.32 1.46

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STRUCTURE FACTORS FOR TITANOMAGHEMITE SPECIMEN BM1929,1687

h	k	l	F _o	F _c	h	k	l	F _o	F _c
0	0	4	244.88	237.09	0	6	10	53.88	53.18
0	0	8	272.74	260.15	0	7	7	3.64	3.23
0	1	1	20.61	21.60	0	7	8	27.58	27.50
0	1	2	23.48	25.49	0	7	9	7.78	8.69
0	1	3	25.11	25.05	0	8	8	157.17	157.03
0	1	4	11.98	13.07	1	1	1	30.68	29.14
0	1	5	8.30	8.70	1	1	2	28.52	30.93
0	1	6	27.49	25.64	1	1	3	222.93	221.74
0	1	7	12.49	11.54	1	1	4	8.45	8.16
0	1	8	34.15	33.00	1	1	5	192.70	191.44
0	1	9	< 3.73	4.08	1	1	6	18.97	17.70
0	1	10	< 3.62	0.67	1	1	7	3.94	2.74
0	1	11	23.05	23.05	1	1	8	7.67	8.83
0	2	2	155.32	156.52	1	1	9	10.54	10.09
0	2	3	18.14	18.10	1	1	10	6.27	7.75
0	2	4	< 4.21	0.31	1	1	11	69.24	69.49
0	2	5	30.01	29.93	1	2	2	18.32	19.29
0	2	6	106.43	104.83	1	2	3	11.28	9.40
0	2	7	< 3.93	1.92	1	2	4	26.20	26.99
0	2	8	< 3.82	0.69	1	2	5	36.32	37.69
0	2	9	15.76	15.28	1	2	6	16.58	16.98
0	2	10	61.00	59.28	1	2	7	11.09	12.77
0	2	11	3.50	2.22	1	2	8	16.63	16.57
0	3	3	11.95	11.59	1	2	9	29.66	29.84
0	3	4	26.62	29.11	1	2	10	24.69	24.48
0	3	5	15.26	13.89	1	2	11	14.41	13.70
0	3	6	< 3.99	1.18	1	3	3	4.21	3.51
0	3	7	31.85	31.88	1	3	4	15.52	14.99
0	3	8	18.94	18.50	1	3	5	12.87	12.55
0	3	9	3.68	4.04	1	3	6	7.96	6.64
0	3	10	13.87	14.45	1	3	7	114.63	112.97
0	3	11	< 3.48	3.86	1	3	8	13.64	13.32
0	4	4	387.88	388.79	1	3	9	101.69	101.51
0	4	5	17.06	17.43	1	3	10	< 3.58	3.27
0	4	6	< 3.93	0.58	1	3	11	12.03	10.23
0	4	7	12.74	12.24	1	4	4	30.03	31.94
0	4	8	81.18	80.30	1	4	5	10.61	9.98
0	4	9	< 3.64	0.72	1	4	6	11.11	10.50
0	4	10	< 3.54	0.52	1	4	7	24.56	24.17
0	5	5	5.59	4.58	1	4	8	12.95	12.74
0	5	6	10.95	10.89	1	4	9	14.56	13.93
0	5	7	16.49	15.92	1	4	10	15.02	15.36
0	5	8	5.22	5.78	1	5	5	16.73	15.20
0	5	9	24.66	24.16	1	5	6	22.86	22.62
0	5	10	15.66	16.32	1	5	7	107.80	107.99
0	6	6	73.50	73.52	1	5	8	5.21	5.86
0	6	7	10.50	10.77	1	5	9	91.34	91.85
0	6	8	< 3.63	1.55	1	6	6	29.59	29.50
0	6	9	16.22	16.64	1	6	7	8.29	8.74

h	k	l	F _o	F _c	h	k	l	F _o	F _c
1	6	8	14.94	14.89	3	4	6	17.31	16.94
1	6	9	23.98	24.04	3	4	7	6.55	7.18
1	7	7	10.90	10.86	3	4	8	33.01	32.79
1	7	8	9.41	10.79	3	4	9	6.23	9.37
1	7	9	4.91	4.20	3	4	10	6.06	7.34
1	8	8	28.50	27.54	3	5	5	131.32	132.26
2	2	2	55.38	51.98	3	5	6	17.03	16.39
2	2	3	5.99	5.72	3	5	7	< 3.73	2.55
2	2	4	124.25	125.84	3	5	8	11.51	11.21
2	2	5	7.08	5.46	3	5	9	6.15	6.96
2	2	6	72.70	71.27	3	5	10	9.78	10.77
2	2	7	6.75	8.27	3	6	6	7.48	8.53
2	2	8	76.29	76.00	3	6	7	12.68	12.85
2	2	9	9.76	9.72	3	6	8	11.88	10.87
2	2	10	47.16	46.86	3	6	9	19.15	18.68
2	2	11	< 3.48	0.67	3	7	7	69.73	69.13
2	3	3	13.88	13.60	3	7	8	19.25	19.83
2	3	4	13.03	13.42	4	4	4	121.89	121.98
2	3	5	24.27	24.28	4	4	5	3.90	4.89
2	3	6	22.03	22.05	4	4	6	< 3.82	2.00
2	3	7	18.93	19.72	4	4	7	23.64	23.78
2	3	8	13.57	13.84	4	4	8	195.05	196.05
2	3	9	24.84	24.49	4	4	9	10.68	10.19
2	3	10	15.92	15.52	4	4	10	< 3.47	1.16
2	3	11	17.64	17.72	4	5	5	17.58	18.53
2	4	4	4.06	3.51	4	5	6	19.91	20.05
2	4	5	21.10	20.67	4	5	7	12.76	12.56
2	4	6	86.01	86.78	4	5	8	23.34	22.33
2	4	7	8.53	9.27	4	5	9	< 3.52	2.57
2	4	8	5.26	4.30	4	6	6	69.74	70.04
2	4	9	16.60	16.04	4	6	7	5.12	6.50
2	4	10	55.74	56.04	4	6	8	< 3.54	3.45
2	5	5	35.28	35.68	4	6	9	9.16	9.43
2	5	6	24.60	23.36	4	7	7	24.89	25.25
2	5	7	14.06	13.51	4	7	8	17.06	16.20
2	5	8	15.56	15.90	5	5	5	114.22	116.44
2	5	9	29.05	28.99	5	5	6	27.50	26.89
2	5	10	17.75	17.02	5	5	7	5.14	4.35
2	6	6	59.48	58.40	5	5	8	< 3.56	4.05
2	6	7	7.38	7.52	5	5	9	6.94	6.10
2	6	8	61.53	61.31	6	6	6	45.50	47.55
2	6	9	9.31	9.76	6	6	7	15.34	15.07
2	7	7	20.78	20.87	6	6	8	48.04	48.33
2	7	8	7.92	9.70	6	7	7	18.62	18.46
2	7	9	17.29	17.39					
3	3	3	159.52	158.35					
3	3	4	29.69	29.25					
3	3	5	145.42	147.29					
3	3	6	8.77	9.60					
3	3	7	13.26	13.64					
3	3	8	5.28	6.72					
3	3	9	5.14	5.89					
3	3	10	5.00	3.46					
3	4	4	17.52	17.67					
3	4	5	8.83	8.13					