Acta Crystallographica Section C **Crystal Structure Communications** ISSN 0108-2701 Editor: George Ferguson **Room-Temperature Form of Manganese Hexafluorosilicate Hexahydrate:** a New Model with Submicroscopic Twinning A. Torii, K. Ogawa, H. Tamura and K. Osaki This electronic document was scanned from an archival copy of material deposited to accompany a paper published in an IUCr journal. In many cases the only accessible copy was a microfilm of a poor-quality original.

Table 5. Anisotropic thermal parameters of the form: $\exp(-B_{11}h^2 - B_{22}k^2 - B_{33}l^2 - B_{12}hk - B_{13}hl - B_{23}kl), \text{ with their standard deviations in parentheses, multiplied by 10000.}$

	B 11	B 22	^B 33	B 12	B 13	B 23
Mn(1)	87(04)	87 (04)	34(03)	87(04)	0	0
Mn(2)	57(06)	57(06)	74(07)	57(06)	0	0
Si(1)	51(02)	51(02)	83(03)	51(02)	0	0
Si(2)	51 (03)	51(03)	35(04)	51(03)	0	0
0(1)	145(17)	131(15)	100(08)	139(27)	61(21)	13(20)
0(2)	348(28)	114(16)	81 (08)	172(35)	-180(27)	-28.(20)
0(3)	4(10)	324(25)	72(07)	8(28)	69(16)	78 (27)
F(1)	90(10)	125(11)	87(06)	142(19)	2(14)	-48(14)
F(2)	88(10)	136(12)	51 (05)	73(19)	57(14)	-16(13)
F(3)	129(12)	125(12)	68(06)	181(22)	-22(14)	19(14)

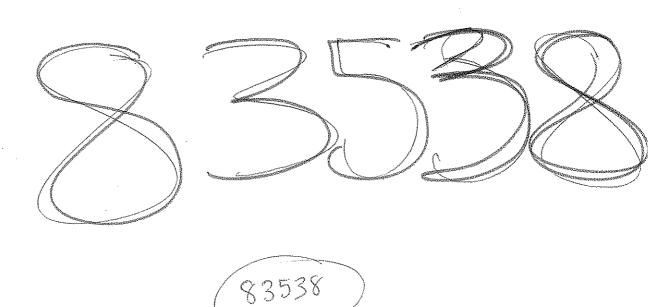


Table 6. Observed and caluclated structure factors, each multiplied by 10, and unobserved reflections are omitted.

H FOBS FCAL	H FOBS FCAL	H FOBS FCCAL	H FOBS FCAL	H FOBS FCAL
K= 0,L= 0 3 91 99 5 43 43 6 899 918 9 343 352	2 74 75 3 318 324 4 39 34 K= 7,L= 0 1 561 551	4 53 48 5 101 105 K= 5,L= 1 0 73 86 1 135 132	1 134 133 2 771 770 3 236 232 4 68 64 5 580 567 6 75 76	1 285 284 2 290 339 3 310 298 5 171 168 6 123 121 7 31 45
K= 1,L= 0 1 1694 1724 2 25 28 3 49 51 4 616 628 5 26 31 6 32 30 7 549 551 8 59 63	2 91 85 3 60 66 K= 8,L= 0 1 45 63 K= 9,L= 0 0 340 352	2 183 189 3 104 124 4 51 53 K= 6,L= 1 1 279 287 2 160 161 3 69 75 4 175 172	K= 4,L= 2 0 1329 1332 1 145 140 2 140 144 3 438 441 4 118 122 5 132 136 6 364 353	K= 3,L= 3 0 631 608 1 397 377 2 299 323 3 141 138 4 73 79 5 104 106 6 62 65
K= 2,L= 0 1 22 28 2 123 157 3 41 45 4 60 61 5 743 745 6 70 75 7 87 85	K= 0,L= 1 1 153 142 4 263 267 7 219 221 K= 1,L= 1 1 159 174 2 141 170 3 345 338	K= 7,L= 1 1 73 82 2 112 113 K= 8,L= 1 0 77 78 K= 0,L= 2	K= 5,L= 2 1 578 572 3 94 102 4 332 340 5 145 137 K= 6,L= 2 0 39 28	K= 4,L= 3 0 29 13 1 109 120 2 232 215 4 100 98 5 87 84 K= 5,L= 3
K= 3,L= 0 0 96 99 1 38 51 2 49 45	4 222 230 5 281 270 6 56 53 8 78 83	0 35 52 1 26 37 2 395 404 5 537 543 8 369 370	2 365 372 3 113 110 4 85 91 K= 7,L= 2	1 82 91 2 75 77 3 47 54 4 41 56 K= 6,L= 3
3 763 751 4 36 17 5 42 51 6 319 324 7 64 66	K= 2,L= 1 0 320 325 1 325 323 2 377 384 3 636 632	K= 1,L= 2 0 1482 1478 1 38 32 2 63 64	0 482 479 K= 8,L= 2 0 45 16 1 450 441	0 106 99 2 34 41 3 222 221 K= 7,L= 3
K= 4,L= 0 1 631 628 2 53 61 4 446 448	4 206 207 5 96 96 6 93 100 K= 3,L= 1	3 103 148 4 199 202 5 111 117 6 750 762 7 31 25	K= 0,L= 3 0 371 370 3 359 357 6 342 364	1 289 280 2 55 51 K= 0,L= 4
5 34 40 K= 5,L= 0 2 754 745 3 45 51 4 38 40 5 188 186	1 702 685 2 194 196 3 100 90 4 343 348 6 34 18 7 47 60	K= 2,L= 2 0 55 48 1 1385 1380 2 220 209 3 237 242 4 580 587	K= 1.L= 3 1 386 382 2 354 333 3 208 217 4 225 238 5 75 72	0 55 83 1 463 433 2 32 39 3 59 65 4 861 865 6 28 10 7 257 264
K= 6,L= 0 0 927 918 1 34 30	K= 4,L= 1 1 23 25 2 309 306 3 104 98	5 107 96 K= 3,L= 2 0 32 25	6 79 88 7 161 169 K= 2,L= 3	8 33 34 K= 1,L= 4 1 51 52

Table 6. (continued)

H FOBS FCAL	H FOBS FCAL	H FOBS FCCAL	H FOBS FCAL	H FOBS FCAL
K= 1,L= 4 2 1102 1125 3 217 199 4 109 117 5 304 303 6 26 33 7 42 50	1 60 67 2 643 657 4 27 24 5 165 147 6 32 23 K= 1,L= 5	0 123 124 2 73 54 3 993 1028 4 26 50 5 44 29 6 117 125	0 51 49 1 50 65 2 73 95 3 170 167 4 30 46 5 85 85 6 38 35	4 410 403 K= 3,L= 8 1 50 51 2 352 349 3 107 97
K= 2,L= 4 0 780 771 1 171 175 2 168 184	0 648 635 1 59 52 2 46 49 3 180 196 4 92 83 5 40 60 6 228 230	K= 1,L= 6 1 435 439 2 54 58 3 87 108 4 640 644 5 111 102 6 42 57	K= 2,L= 7 0 99 103 1 202 197 2 129 140 3 88 111 4 38 46 5 29 24	K = 4, L = 8 0 255 247 1 58 52 2 50 40
3 723 720 4 130 129 6 385 387				K= 5,L= 8 1 307 292
7 102 99 K= 3,L= 4 0 73 70	K= 2,L= 5 0 39 40 1 78 82 2 80 94 3 48 63	K= 2,L= 6 1 44 59 2 719 708 3 123 121 4 90 88	K= 3,L= 7 1 63 92 2 241 218 3 46 66	K= 0,L= 9 0 69 82 2 30 25 3 107 113
2 169 166 3 71 80 4 386 377 5 96 87	4 78 84 5 101 96 6 38 48	5 253 255 6 80 67 K= 3,L= 6	4 141 146 K= 4,L= 7 1 55 67	K= 1,L= 9 1 50 61 4 75 68
6 76 76 K= 4,L= 4 0 47 53 1 58 59	K= 3,L= 5 1 28 17 2 213 215 4 34 41 5 81 79	0 293 293 2 63 78 3 584 572 4 93 83	2 231 228 K= 5,L= 7 0 235 227 1 53 53	K= 2,L= 9 1 32 32 2 143 154 3 44 51
2 482 464 3 33 49 4 55 57 5 492 486	6 62 47 K= 4,L= 5 0 253 251	K= 4,L= 6 0 42 22 1 432 422 2 61 61 3 43 32	K= 6,L= 7 1 126 123 K= 0,L= 8	K= 3,L= 9 0 279 282 1 65 53 2 49 48
K= 5,L= 4 0 596 578 2 28 26 3 378 374	1 91 106 2 88 93 3 77 80 K= 5,L= 5	4 402 388 K= 5,L= 6 1 29 15	0 78 91 1 95 94 2 439 441 3 28 36	K= 4.L= 9 0 48 37 1 200 203
4 49 52 K= 6,L= 4	1 290 288 2 167 149 3 53 49	2 419 409 3 93 84	4 30 49 5 405 400	K= 0,L= 10 0 99 111 1 445 458
1 310 310 3 39 16	4 60 63 K= 6,L= 5	K= 6,L= 6 0 298 300 2 46 53	K= 1,L= 8 0 741 731 1 66 64	K= 1,L= 10 0 112 82
K= 7,L= 4 1 27 33 2 282 281	1 78 80 2 251 247 3 43 44	K= 0,L= 7 0 86 86 1 525 533	2 53 63 3 308 327 4 146 139 5 57 46	1 76 69 2 210 220 K= 2,L= 10
K= 8,L= 4 0 283 281	K= 7,L= 5 0 426 431 1 69 83	1 525 533 2 24 27 4 72 87 6 26 35	K= 2,L= 8 1 301 297	0 423 409
K= 0,L= 5 0 40 67	K= 0,L= 6	K= 1,L= 7	2 197 181 3 91 88	