

MPG No. 35.2.142  $3m1'$  (31m1' setting) [ Type II, trigonal ]

Table 1: Wyckoff site: **1a**, site symmetry: **3.m**

No.	position	mapping
1	$[0, 0, z]$	$[1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12]$

Table 2: Wyckoff site: **3b**, site symmetry: **..m**

No.	position	mapping
1	$[x, 0, z]$	$[1, 5, 7, 11]$
2	$[0, x, z]$	$[2, 4, 8, 10]$
3	$[-x, -x, z]$	$[3, 6, 9, 12]$

Table 3: Wyckoff site: **6c**, site symmetry: **1**

No.	position	mapping
1	$[x, y, z]$	$[1, 7]$
2	$[-y, x - y, z]$	$[2, 8]$
3	$[-x + y, -x, z]$	$[3, 9]$
4	$[y, x, z]$	$[4, 10]$
5	$[x - y, -y, z]$	$[5, 11]$
6	$[-x, -x + y, z]$	$[6, 12]$