

MSG No. 146.10 *R*3 [Type I, trigonal]

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

No.	position	mapping
1	[0, 0, z]	[1, 2, 3]
2	[$\frac{2}{3}$, $\frac{1}{3}$, $z + \frac{1}{3}$]	[4, 5, 6]
3	[$\frac{1}{3}$, $\frac{2}{3}$, $z + \frac{2}{3}$]	[7, 8, 9]

Table 2: Wyckoff site: **9b**, site symmetry: 1

No.	position	mapping
1	[x, y, z]	[1]
2	[$-y, x - y, z$]	[2]
3	[$-x + y, -x, z$]	[3]
4	[$x + \frac{2}{3}, y + \frac{1}{3}, z + \frac{1}{3}$]	[4]
5	[$\frac{2}{3} - y, x - y + \frac{1}{3}, z + \frac{1}{3}$]	[5]
6	[$-x + y + \frac{2}{3}, \frac{1}{3} - x, z + \frac{1}{3}$]	[6]
7	[$x + \frac{1}{3}, y + \frac{2}{3}, z + \frac{2}{3}$]	[7]
8	[$\frac{1}{3} - y, x - y + \frac{2}{3}, z + \frac{2}{3}$]	[8]
9	[$-x + y + \frac{1}{3}, \frac{2}{3} - x, z + \frac{2}{3}$]	[9]