

SG No. 154 D_3^6 $P3_221$ [trigonal]

* plus set: + [0, 0, 0]

Table 1: Wyckoff site: 3a, site symmetry: .2.

No.	position	mapping
1	[$x, 0, \frac{2}{3}$]	[1,5]
2	[$0, x, \frac{1}{3}$]	[2,4]
3	[$-x, -x, 0$]	[3,6]

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

No.	position	mapping
1	[$x, 0, \frac{1}{6}$]	[1,5]
2	[$0, x, \frac{5}{6}$]	[2,4]
3	[$-x, -x, \frac{1}{2}$]	[3,6]

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

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