

MSG No. 151.30 $P3_1121'$ [Type II, trigonal]

Table 1: Wyckoff site: **3a**, site symmetry: $\bar{3}21'$

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

Table 2: Wyckoff site: **3b**, site symmetry: $\bar{3}21'$

No.	position	mapping
1	$[x, -x, \frac{5}{6}]$	[1,6,7,12]
2	$[x, 2x, \frac{1}{6}]$	[2,4,8,10]
3	$[-2x, -x, \frac{1}{2}]$	[3,5,9,11]

Table 3: Wyckoff site: **6c**, site symmetry: $11'$

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