MSG No. 151.29 $P3_1 12$ [Type I, trigonal]

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

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

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

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

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

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