MSG No. 153.38 $P3_2121'$ [Type II, trigonal]

Table 1: Wyckoff site: `3a`, site symmetry: `..21'`

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

Table 2: Wyckoff site: `3b`, site symmetry: `..21'`

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

Table 3: Wyckoff site: `6c`, site symmetry: `11'`

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