MSG No. 198.10 $P2_131'$ [Type II, cubic]

Table 1: Wyckoff site: 4a, site symmetry: .3.1'

No.	position	mapping
1	$[x,\, x,\, x]$	[1,5,6,13,17,18]
2	$\left[x+\frac{1}{2},\, \frac{1}{2}-x,\, -x\right]$	[2,10,11,14,22,23]
3	$\left[-x,\, x+\frac{1}{2},\, \frac{1}{2}-x\right]$	[3,7,12,15,19,24]
4	$\left[\frac{1}{2}-x,\, -x,\, x+\frac{1}{2}\right]$	[4,8,9,16,20,21]

Table 2: Wyckoff site: 12b, site symmetry: 11'

No.	position	mapping
1	$[x,\, y,\, z]$	[1,13]
2	$\left[x+\frac{1}{2},\, \frac{1}{2}-y,\, -z\right]$	[2,14]
3	$\left[-x,\, y+\frac{1}{2},\, \frac{1}{2}-z\right]$	[3,15]
4	$\left[\frac{1}{2}-x,\, -y,\, z+\frac{1}{2}\right]$	[4,16]
5	$[z,\, x,\, y]$	[5,17]
6	$[y,\, z,\, x]$	[6,18]
7	$\left[-y,\, z+\frac{1}{2},\, \frac{1}{2}-x\right]$	[7,19]
8	$\left[\frac{1}{2}-z,\, -x,\, y+\frac{1}{2}\right]$	[8,20]
9	$\left[\frac{1}{2}-y,\, -z,\, x+\frac{1}{2}\right]$	[9,21]
10	$\left[z+\frac{1}{2},\, \frac{1}{2}-x,\, -y\right]$	[10,22]
11	$\left[y+\frac{1}{2},\, \frac{1}{2}-z,\, -x\right]$	[11,23]
12	$\left[-z,\, x+\frac{1}{2},\, \frac{1}{2}-y\right]$	[12,24]