MSG No. 11.51 $P2_1/m1'$ [Type II, monoclinic]

Table 1: Wyckoff site: `2a`, site symmetry: `-11'`

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

Table 2: Wyckoff site: `2b`, site symmetry: `-11'`

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

Table 3: Wyckoff site: `2c`, site symmetry: `-11'`

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

Table 4: Wyckoff site: `2d`, site symmetry: `-11'`

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

Table 5: Wyckoff site: `2e`, site symmetry: `m1'`

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

Table 6: Wyckoff site: `4f`, site symmetry: `11'`

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

continued ...

Table 6

No.	position	mapping
3	$[-x, -y, -z]$	[3,7]
4	$\left[x, \frac{1}{2} - y, z\right]$	[4,8]