

Monoclinic

6. SCANNING TABLES

 Laue class $C_{2h} - 2/m$

 No. 9 Cc
 C_s^4

 CELL CHOICE $\tilde{3}$

$$\mathcal{G} = I1c1 \quad \text{UNIQUE AXIS } b$$

$$\mathcal{G} = I11a \quad \text{UNIQUE AXIS } c$$

Orientation orbit (<i>hkl</i>)	Conventional basis of the scanning group a' b' d	Scanning group \mathcal{H}	Linear orbit sd	Sectional layer group $\mathcal{L}(\mathbf{sd})$	
UNIQUE AXIS <i>b</i> (010)	c a b	<i>I11a</i>	$[0\mathbf{d}, \frac{1}{2}\mathbf{d}]$	<i>p11a</i>	L05
UNIQUE AXIS <i>c</i> (001)	a b c		$[\frac{1}{2}\mathbf{d}, \frac{3}{4}\mathbf{d}]$ $[\pm\mathbf{sd}, (\pm s + \frac{1}{2})\mathbf{d}]$	<i>p11b</i> <i>p1</i>	L05 L01
UNIQUE AXIS <i>b</i> (<i>n0m</i>)	b <i>nc - ma</i> <i>pc + qa</i>				
UNIQUE AXIS <i>c</i> (<i>mn0</i>)	c <i>na - mb</i> <i>pa + qb</i> <i>n</i> odd <i>m</i> even <i>p</i> even <i>q</i> odd <i>n</i> even <i>m</i> odd <i>p</i> odd <i>q</i> even <i>n</i> even <i>m</i> odd <i>p</i> odd <i>q</i> odd <i>n</i> odd <i>m</i> odd <i>p</i> even <i>q</i> odd <i>n</i> odd <i>m</i> odd <i>p</i> odd <i>q</i> even <i>n</i> odd <i>m</i> even <i>p</i> odd <i>q</i> odd	<i>Ib11</i> <i>Ic11</i> <i>Bn11</i> <i>Cn11</i> <i>Cc11</i> <i>Bb11</i>	$[\mathbf{sd}, (s + \frac{1}{2})\mathbf{d}]$ $[\mathbf{sd}, (s + \frac{1}{2})\mathbf{d}]$ $[\mathbf{sd}, (s + \frac{1}{2})\mathbf{d}]$ $[\mathbf{sd}, (s + \frac{1}{2})\mathbf{d}]$ $[\mathbf{sd}, (s + \frac{1}{2})\mathbf{d}]$ $[\mathbf{sd}, (s + \frac{1}{2})\mathbf{d}]$	<i>pb11</i> <i>pb11</i> (a' /4) <i>pb11</i> (a' /4) $\widehat{p}1$ $\widehat{p}1$ <i>pb11</i>	L12 L12 L12 L01 L01 L12

 Geometric class $C_{2h} - 112/m$

 No. 10 $P2/m$
 C_{2h}^1

$$\mathcal{G} = P12/m1 \quad \text{UNIQUE AXIS } b$$

$$\mathcal{G} = P112/m \quad \text{UNIQUE AXIS } c$$

Orientation orbit (<i>hkl</i>)	Conventional basis of the scanning group a' b' d	Scanning group \mathcal{H}	Linear orbit sd	Sectional layer group $\mathcal{L}(\mathbf{sd})$	
UNIQUE AXIS <i>b</i> (010)	c a b	<i>P112/m</i>	$0\mathbf{d}, \frac{1}{2}\mathbf{d}$	<i>p112/m</i>	L06
UNIQUE AXIS <i>c</i> (001)	a b c		$[\mathbf{sd}, -\mathbf{sd}]$	<i>p112</i>	L03
UNIQUE AXIS <i>b</i> (<i>n0m</i>)	b <i>nc - ma</i> <i>pc + qa</i>	<i>P2/m11</i>	$0\mathbf{d}, \frac{1}{2}\mathbf{d}$	<i>p2/m11</i>	L14
UNIQUE AXIS <i>c</i> (<i>mn0</i>)	c <i>na - mb</i> <i>pa + qb</i>		$[\mathbf{sd}, -\mathbf{sd}]$	<i>pm11</i>	L11