International Tables for Crystallography (2010). Vol. E, Scanning table for space group 13, pp. 437–438.

No. 13 $P2/c$ C_{2h}^4

CELL CHOICE 1

$\mathcal{G} = P12/c1$ UNIQUE AXIS b

$\mathcal{G} = P112/a$ UNIQUE AXIS c

Orientation orbit (hkl)	Conventional basis of the scanning group $\mathbf{a}'$	$\mathbf{b}'$	$\mathbf{d}$	Scanning group $\mathcal{H}$	Linear orbit $s\mathbf{d}$	Sectional layer group $\mathcal{L}(s\mathbf{d})$	
UNIQUE AXIS b							
(010)	$\mathbf{c}$	$\mathbf{a}$	$\mathbf{b}$	$P112/a$	$0\mathbf{d}$, $\frac{1}{2}\mathbf{d}$	$p112/a$	L07
UNIQUE AXIS c					$[s\mathbf{d}, -s\mathbf{d}]$	$p112$ $(\mathbf{a}/4)$	L03
(001)	$\mathbf{a}$	$\mathbf{b}$	$\mathbf{c}$				
UNIQUE AXIS b							
$(n0m)$	$\mathbf{b}$	$n\mathbf{c}-m\mathbf{a}$	$p\mathbf{c}+q\mathbf{a}$				
UNIQUE AXIS c							
$(mn0)$	$\mathbf{c}$	$n\mathbf{a}-m\mathbf{b}$	$p\mathbf{a}+q\mathbf{b}$				
		n odd	m even	$P2/b11$	$0\mathbf{d}$, $\frac{1}{2}\mathbf{d}$	$p2/b11$	L16
			q odd		$[s\mathbf{d}, -s\mathbf{d}]$	$pb11$	L12
			m odd	$P2/n11$	$[0\mathbf{d}, \frac{1}{2}\mathbf{d}]$	$p\bar{1}$	L02
			q odd		$[\frac{1}{4}\mathbf{d}, \frac{3}{4}\mathbf{d}]$	$p211$ $(\mathbf{b}'/4)$	L08
					$[\pm s\mathbf{d}, (\pm s+\frac{1}{2})\mathbf{d}]$	$p1$	L01
			m odd	$P2/c11$	$[0\mathbf{d}, \frac{1}{2}\mathbf{d}]$	$p\bar{1}$	L02
		p odd	q even		$[\frac{1}{4}\mathbf{d}, \frac{3}{4}\mathbf{d}]$	$p211$	L08
					$[\pm s\mathbf{d}, (\pm s+\frac{1}{2})\mathbf{d}]$	$p1$	L01

No. 13 $P2/c$ C_{2h}^4

CELL CHOICE 2

$\mathcal{G} = P12/n1$ UNIQUE AXIS b

$\mathcal{G} = P112/n$ UNIQUE AXIS c

Orientation orbit (hkl)	Conventional basis of the scanning group $\mathbf{a}'$	$\mathbf{b}'$	$\mathbf{d}$	Scanning group $\mathcal{H}$	Linear orbit $s\mathbf{d}$	Sectional layer group $\mathcal{L}(s\mathbf{d})$	
UNIQUE AXIS b							
(010)	$\mathbf{c}$	$\mathbf{a}$	$\mathbf{b}$	$P112/n$	$0\mathbf{d}$, $\frac{1}{2}\mathbf{d}$	$p112/n$	L07
UNIQUE AXIS c					$[s\mathbf{d}, -s\mathbf{d}]$	$p112$ $[(\mathbf{a}+\mathbf{b})/4]$	L03
(001)	$\mathbf{a}$	$\mathbf{b}$	$\mathbf{c}$				
UNIQUE AXIS b							
$(n0m)$	$\mathbf{b}$	$n\mathbf{c}-m\mathbf{a}$	$p\mathbf{c}+q\mathbf{a}$				
UNIQUE AXIS c							
$(mn0)$	$\mathbf{c}$	$n\mathbf{a}-m\mathbf{b}$	$p\mathbf{a}+q\mathbf{b}$				
		n odd	m even	$P2/n11$	$[0\mathbf{d}, \frac{1}{2}\mathbf{d}]$	$p\bar{1}$	L02
		p even	q odd		$[\frac{1}{4}\mathbf{d}, \frac{3}{4}\mathbf{d}]$	$p211$ $(\mathbf{b}'/4)$	L08
		or			$[\pm s\mathbf{d}, (\pm s+\frac{1}{2})\mathbf{d}]$	$p1$	L01
		n even	m odd				
		p odd	q even				
		p odd	q odd	$P2/c11$	$[0\mathbf{d}, \frac{1}{2}\mathbf{d}]$	$p\bar{1}$	L02
					$[\frac{1}{4}\mathbf{d}, \frac{3}{4}\mathbf{d}]$	$p211$	L08
					$[\pm s\mathbf{d}, (\pm s+\frac{1}{2})\mathbf{d}]$	$p1$	L01
		n odd	m odd	$P2/b11$	$0\mathbf{d}$, $\frac{1}{2}\mathbf{d}$	$p2/b11$	L16
					$[s\mathbf{d}, -s\mathbf{d}]$	$pb11$	L12

No. 13 $P2/c$ C_{2h}^4

CELL CHOICE 3

$\mathcal{G} = P12/a1$ UNIQUE AXIS b

$\mathcal{G} = P112/b$ UNIQUE AXIS c

Orientation orbit (hkl)	Conventional basis of the scanning group $\mathbf{a}'$	$\mathbf{b}'$	$\mathbf{d}$	Scanning group $\mathcal{H}$	Linear orbit $s\mathbf{d}$	Sectional layer group $\mathcal{L}(s\mathbf{d})$	
UNIQUE AXIS b (010)	$\mathbf{c}$	$\mathbf{a}$	$\mathbf{b}$	$P112/b$	$0\mathbf{d}$, $\frac{1}{2}\mathbf{d}$	$p112/b$	L07
UNIQUE AXIS c (001)	$\mathbf{a}$	$\mathbf{b}$	$\mathbf{c}$		$[s\mathbf{d}, -s\mathbf{d}]$	$p112$ $(\mathbf{b}/4)$	L03
UNIQUE AXIS b $(n0m)$	$\mathbf{b}$	$n\mathbf{c} - m\mathbf{a}$	$p\mathbf{c} + q\mathbf{a}$				
UNIQUE AXIS c $(mn0)$	$\mathbf{c}$	$n\mathbf{a} - m\mathbf{b}$	$p\mathbf{a} + q\mathbf{b}$				
		n odd		$P2/c11$	$[0\mathbf{d}, \frac{1}{2}\mathbf{d}]$	$p\overline{1}$	L02
		p even	q odd		$[\frac{1}{4}\mathbf{d}, \frac{3}{4}\mathbf{d}]$	$p211$	L08
					$[\pm s\mathbf{d}, (\pm s + \frac{1}{2})\mathbf{d}]$	$p1$	L01
		n even	m odd	$P2/b11$	$0\mathbf{d}$, $\frac{1}{2}\mathbf{d}$	$p2/b11$	L16
		p odd			$[s\mathbf{d}, -s\mathbf{d}]$	$pb11$	L12
		n odd		$P2/n11$	$[0\mathbf{d}, \frac{1}{2}\mathbf{d}]$	$p\overline{1}$	L02
		p odd			$[\frac{1}{4}\mathbf{d}, \frac{3}{4}\mathbf{d}]$	$p211$ $(\mathbf{b}'/4)$	L08
					$[\pm s\mathbf{d}, (\pm s + \frac{1}{2})\mathbf{d}]$	$p1$	L01

No. 14 $P2_1/c$ C_{2h}^5

CELL CHOICE 1

$\mathcal{G} = P12_1/c1$ UNIQUE AXIS b

$\mathcal{G} = P112_1/a$ UNIQUE AXIS c

Orientation orbit (hkl)	Conventional basis of the scanning group $\mathbf{a}'$	$\mathbf{b}'$	$\mathbf{d}$	Scanning group $\mathcal{H}$	Linear orbit $s\mathbf{d}$	Sectional layer group $\mathcal{L}(s\mathbf{d})$	
UNIQUE AXIS b (010)	$\mathbf{c}$	$\mathbf{a}$	$\mathbf{b}$	$P112_1/a$	$[0\mathbf{d}, \frac{1}{2}\mathbf{d}]$	$p\overline{1}$	L02
UNIQUE AXIS c					$[\frac{1}{4}\mathbf{d}, \frac{3}{4}\mathbf{d}]$	$p11a$	L05
(001)	$\mathbf{a}$	$\mathbf{b}$	$\mathbf{c}$		$[\pm s\mathbf{d}, (\pm s + \frac{1}{2})\mathbf{d}]$	$p1$	L01
UNIQUE AXIS b $(n0m)$	$\mathbf{b}$	$n\mathbf{c} - m\mathbf{a}$	$p\mathbf{c} + q\mathbf{a}$				
UNIQUE AXIS c $(mn0)$	$\mathbf{c}$	$n\mathbf{a} - m\mathbf{b}$	$p\mathbf{a} + q\mathbf{b}$				
		n odd	m even	$P2_1/b11$	$0\mathbf{d}$, $\frac{1}{2}\mathbf{d}$	$p2_1/b11$	L17
			q odd		$[s\mathbf{d}, -s\mathbf{d}]$	$pb11$ $(\mathbf{a}'/4)$	L12
			m odd	$P2_1/n11$	$[0\mathbf{d}, \frac{1}{2}\mathbf{d}]$	$p\overline{1}$	L02
			q odd		$[\frac{1}{4}\mathbf{d}, \frac{3}{4}\mathbf{d}]$	$p2_111$ $(\mathbf{b}'/4)$	L09
					$[\pm s\mathbf{d}, (\pm s + \frac{1}{2})\mathbf{d}]$	$p1$	L01
			m odd	$P2_1/c11$	$[0\mathbf{d}, \frac{1}{2}\mathbf{d}]$	$p\overline{1}$	L02
		p odd	q even		$[\frac{1}{4}\mathbf{d}, \frac{3}{4}\mathbf{d}]$	$p2_111$	L09
					$[\pm s\mathbf{d}, (\pm s + \frac{1}{2})\mathbf{d}]$	$p1$	L01