$Nb_{1.88}S_3$	*hP*20	(182) $P6_322$ – ifca

$Nb_{1.25}S_2$ [1]
Structural features: Close-packed S layers in BBCC stacking; Nb in trigonal prismatic and octahedral voids. Infinite slabs of edge-linked NbS_6 trigonal prisms are interconnected via NbS_6 octahedra (partial disorder) to form a 3D-framework.

Huster J., Franzen H.F. (1985) [1]
$Nb_{1.88}S_3$
a = 0.5785, c = 1.2229 nm, c/a = 2.114, V = 0.3544 nm^3, Z = 4

site	Wyck.	sym.	x	y	z	occ.	atomic environment
S1	12*i*	1	0.333	0.003	0.1288		4-vertex polyhedron Nb_4
Nb2	4*f*	3..	$^1/_3$	$^2/_3$	0.5014		trigonal prism S_6
Nb3	2*c*	3.2	$^1/_3$	$^2/_3$	$^1/_4$	0.75	octahedron S_6
Nb4	2*a*	32.	0	0	0		trigonal prism S_6

Transformation from published data: *-x,-y,-z*
Experimental: single crystal, diffractometer, X-rays, R = 0.048

Remarks: In the text of [1] the *a*-parameter is misprinted as 5.765 Å instead of 5.785 Å (given in table 1; checked on interatomic distances).

References: [1] Huster J., Franzen H.F. (1985), J. Less-Common Met. 113, 119-126.