Antimonato Polyoxovanadates extended by Transition Metal Complexes: Dimorphic {Ni(dien)₂}₃[V₁₅Sb₆O₄₂(H₂O)] · 8 H₂O compounds and {Ni(dien)₂}₄[V₁₆Sb₄O₄₂(H₂O)]

(E. Antonova, C. Näther and W. Bensch) Supplementary Information

Table S1: Sb-O, V-O and Ni-N bond lengths (Å) around the Ni^{2+} cations in compound **1**. Estimated standard deviations are given in parentheses.

ſ	Sb(1)-O(21) 1.934(7)	V(6)-O(42) 1.961(7)	Sb(11)-O(70) 1.922(7)	V(56)-O(75) 1.938(6)
	Sb(1)-O(42) 1.937(7)	V(6)-O(18) 1.990(7)	Sb(11)-O(60) 1.956(8)	V(56)-O(73) 1.961(7)
	Sb(1)-O(15) 1.966(7)	V(7)-O(17) 1.618(8)	Sb(11)-O(83) 1.980(7)	V(56)-O(58) 2.028(7)
	Sb(2)-O(38) 1.920(7)	V(7)-O(14) 1.919(7)	Sb(12)-O(55) 1.940(7)	V(57)-O(92) 1.591(7)
	Sb(2)-O(18) 1.953(7)	V(7)-O(34) 1.937(7)	Sb(12)-O(57) 1.947(7)	V(57)-O(85) 1.925(7)
	Sb(2)-O(15) 1.967(8)	V(7)-O(28) 1.970(8)	Sb(12)-O(60) 1.968(7)	V(57)-O(66) 1.946(7)
	Sb(3)-O(13) 1.936(8)	V(7)-O(18) 1.976(8)	Sb(13)-O(58) 1.932(7)	V(57)-O(51) 1.955(7)
	Sb(3)-O(30) 1.956(7)	V(8)-O(29) 1.605(8)	Sb(13)-O(81) 1.939(7)	V(57)-O(91) 2.011(7)
	Sb(3)-O(36) 1.959(8)	V(8)-O(4) 1.903(7)	Sb(13)-O(84) 1.970(7)	V(58)-O(67) 1.604(8)
	Sb(4)-O(31) 1.935(7)	V(8)-O(19) 1.917(7)	Sb(14)-O(84) 1.925(7)	V(58)-O(51) 1.939(7)
	Sb(4)-O(24) 1.946(7)	V(8)-O(23) 1.974(7)	Sb(14)-O(77) 1.938(7)	V(58)-O(87) 1.941(7)
	Sb(4)-O(25) 1.956(7)	V(8)-O(42) 1.988(7)	Sb(14)-O(79) 1.962(7)	V(58)-O(55) 1.990(7)
	Sb(5)-O(36) 1.938(8)	V(9)-O(40) 1.615(7)	Sb(15)-O(62) 1.925(6)	V(58)-O(61) 1.998(7)
	Sb(5)-O(28) 1.940(7)	V(9)-O(32) 1.896(7)	Sb(15)-O(63) 1.941(7)	V(59)-O(90) 1.600(8)
	Sb(5)-O(9) 1.982(7)	V(9)-O(35) 1.924(7)	Sb(15)-O(52) 1.954(7)	V(59)-O(69) 1.929(7)
	Sb(6)-O(16)1.931(7)	V(9)-O(30) 1.974(7)	Sb(16)-O(61) 1.930(7)	V(59)-O(53) 1.935(6)
	Sb(6)-O(31)1.939(7)	V(9)-O(9) 1.975(7)	Sb(16)-O(91) 1.947(7)	V(59)- $O(87)$ 1.956(7)
	Sb(6)-O(37)1.945(7)	V(10)-O(2) 1.601(8)	Sb(16)-O(63) + 961(7)	V(59)-O(57) = 1,996(7)
	V(1)-O(33) 1.606(7)	V(10)-O(7) 1.924(8)	V(51)-O(86) 1.612(7)	V(60)-O(88) 1.617(7)
	V(1)-O(32) 1.913(7)	V(10)-O(23) 1.927(7)	V(51)-O(75) 1.893(7)	V(60)-O(69) 1.890(7)
	V(1)-O(4) 1.934(7)	V(10)-O(21) 1.995(7)	V(51)-O(68) 1.949(7)	V(60)-O(73) 1.953(7)
	V(1)-O(35) 1.967(7)	V(10)-O(24) 2.004(7)	V(51)-O(79) 1.974(7)	V(60)-O(83) 1.961(7)
	V(1)-O(16) 2.029(7)	V(11)-O(11) 1.588(8)	V(51)-O(58) 1.993(7)	V(60)-O(57) 1.963(7)
	V(1)-V(9) = 2.884(3)	V(11)-O(10) 1.889(8)	V(52)-O(89) 1.618(8)	V(61)-O(76) 1.625(7)
	V(2)-O(6) 1.615(7)	V(11) - O(14) + 957(7)	V(52) - O(85) + 918(7)	V(61) - O(68) + 925(7)
	V(2) - O(26)1 - 919(8)	V(11) - O(28) + 968(7)	V(52)- $O(51)$ 1.933(7)	V(61) - O(80) + 963(7)
	V(2) - O(3) + 944(7)	V(11) = O(13) + 979(8)	$V(52) \cdot O(55) + 1.980(7)$	V(61) - O(79) + 968(7)
	V(2) - O(25) + 953(7)	V(12)-O(41) = 1.577(6)	$V(52) \cdot O(70) + 989(7)$	V(61) - O(52) + 969(7)
	V(2) - O(37)1 - 979(7)	V(12) - O(12) + 929(7)	$V(52) \cdot O(72) + 598(7)$	V(61) = O(52) + O(56) (7) V(62) = O(56) + O(56) (7)
	V(2) - V(13) - 2847(3)	V(12) O(12) 1.929(7) V(12) O(10) 1.929(8)	V(53) - O(53) + 902(7)	V(62) - O(66) + 885(7)
	V(2) = V(15)2.047(5) V(3) = O(5) = 1.637(7)	V(12) = O(14) + 962(7)	V(53) - O(87) + 933(7)	V(62) = O(91) + 951(7)
	V(3) - O(4) + 905(7)	V(12) - O(38) - 2.018(8)	V(53) - O(62) + 1.935(7)	V(62) - O(80) + 966(6)
	V(3) - O(23) + 926(7)	V(12) = O(30) 2.010(0) V(13) - O(8) 1.587(8)	V(53) - O(61) + 1.900(7)	V(62) = O(52) + 1.900(0) V(62) = O(52) + 1.979(7)
	V(3)-O(24)1.971(7)	V(13)-O(26) + 1.937(7)	V(54)-O(74) = 1.594(8)	V(62)-O(52) 1.979(7) V(63)-O(54) 1.608(8)
	V(3) - O(16)1 - 984(7)	V(13) = O(10) + 942(8)	V(54)-O(53) 1.907(7)	V(63) - O(73) + 935(7)
	V(3) = O(39)1.605(8)	V(13) - O(3) + 964(7)	V(54) - O(75) + 943(7)	V(63) - O(59) + 0.935(7)
	V(4)-O(19)1.003(0) V(4)-O(19)1.913(7)	V(13)-O(13) = 0.05(8)	V(54)-O(68) + 945(6)	V(63)-O(83) 1.957(7) V(63)-O(83) 1.957(7)
	V(4) - O(32)1 - 944(7)	V(13) O(13) 2.005(0) V(14) O(20) 1.586(8)	V(54)- $O(62)$ 2 040(7)	V(63) - O(81) + 996(7)
	V(4) O(32) I 944(7) V(4) O(34) I 960(7)	V(14) - O(12) + 900(8)	V(55)-O(65) = 1.627(8)	V(63) O(61) 1.550(7) V(64) O(64) 1.621(7)
	V(4) - O(9) 2 017(7)	V(14) - O(7) + 944(8)	V(55) - O(85) + 1.027(8)	V(64) - O(66) + 1.021(7)
	V(5)-O(1) = 1.620(8)	V(14) - O(21) + 973(7)	V(55) - O(78) + 931(7)	V(64) - O(78) + 933(7)
	V(5) - O(12) 1.907(7)	V(14)-O(38) = 1.985(8)	V(55) - O(59) + 941(7)	V(64)-O(80) = 1.953(7)
	V(5) - O(7) + 948(7)	V(15)-O(22) = 1.620(7)	V(55)-O(70) = 1.941(7)	V(64)-O(77) 2.005(7)
	V(5)-O(26)1948(7)	V(15) - O(35) + 900(7)	V(56)-O(82) 1.592(7)	V(65)-O(71) = 1.630(7)
	V(5)-O(25)1.985(7)	V(15) - O(3) + 1.960(7)	V(56)-O(69) 1.926(7)	V(65)-O(78) 1.907(7)
	V(6)-O(27) = 1.616(8)	V(15) - O(30) + 972(7)	V(65)-O(81) + 988(7)	V(65) - O(59) + 919(7)
	V(6) - O(19) + 919(7)	V(15) - O(37) + 985(7)	((05) 0(01) 1.900(7)	V(65) - O(77) + 979(7)
	V(6) - O(34) + 936(7)	(10) 0(37) 1.905(7)		
	(0) 0(54) 1.550(7)			
Г		V(10c) O(104) 1 0(0(7)	01 (21) 0(150) 1 0(1/7)	
	SD(21)-O(114) 1.930(7)	V(106)-O(124) 1.968(7)	SD(31)-U(159) 1.961(7)	V(156)-U(167) 1.973(7)
	SD(21)-O(130) 1.954(7)	V(106)-U(125) 1.989(7)	SD(31)-U(153) 1.963(6)	V(156)-O(1/2) 1.980(/) V(157)-O(190) 1.616(7)
	SD(21)-O(142) 1.956(7)	V(107) - O(102) 1.617(7)	SD(31)-U(154) 1.988(7)	V(157)-O(189) 1.616(7)
	SD(22)-O(128) 1.956(7)	V(10/)-O(138) 1.900(7)	SD(32)-O(154) 1.927(7)	V(157)-U(156) 1.911(7)
	SD(22)-O(114) 1.966(7)	V(107)-O(132) 1.956(7)	SD(32)-O(180) 1.930(7)	V(157)-O(188) 1.934(7)
	Sb(22)-O(136) 1.978(7)	V(107)-O(126) 1.963(7)	Sb(32)-O(169) 1.932(7)	V(157)-O(159) 2.002(7)
	Sb(23)-O(124) 1.929(7)	V(10/)-O(109) 1.982(7)	Sb(33)-O(173) 1.921(8)	V(157)-O(165) 2.014(7)
	SD(23)-O(115) 1.940(7)	V(108)-O(140) 1.607(8)	SD(33)-U(185) 1.936(8)	V(158)-U(157) 1.595(7)
	Sb(23)-O(109) 1.947(7)	V(108)-O(135) 1.956(7)	Sb(33)-O(183) 1.953(7)	V(158)-O(156) 1.921(7)
	Sb(24)-O(125) 1.941(7)	V(108)-O(127) 1.967(7)	Sb(34)-O(182) 1.914(7)	V(158)-O(177) 1.941(7)
	Sb(24)-O(132) 1.958(6)	V(108)-O(136) 1.973(7)	Sb(34)-O(173) 1.944(8)	V(158)-O(175) 1.960(7)
1	Sb(24)-O(115) 1.968(7)	V(108)-O(119) 1.983(7)	Sp(34)-O(171) = 1.976(7)	V(158)-O(176) 2.032(7)

Sb(25)-O(116)	1.918(7)	V(109)-O(104) 1	1.606(7)	Sb(35)-O(187) 1.	912(7)	V(159)-O(162) 1.0	614(7)	
Sb(25)-O(118)	1.928(7)	V(109)-O(135) 1	1.905(7)	Sb(35)-O(176) 1.	928(7)	V(159)-O(177) 1.3	867(7)	
Sb(25)-O(139)	1.969(7)	V(109)-O(134) 1	1.929(7)	Sb(35)-O(172) 1.	954(7)	V(159)-O(175) 1.9	925(7)	
Sb(26)-O(106)	1.931(7)	V(109)-O(131) 1	1.949(7)	Sb(36)-O(187) 1.	959(7)	V(159)-O(171) 1.9	976(7)	
Sb(26)-O(116)	1.950(7)	V(109)-O(124) 2	2.018(7)	Sb(36)-O(174) 1.	960(7)	V(159)-O(185) 1.9	986(7)	
Sb(26)-O(121)	1.955(7)	V(110)-O(103) 1	1.616(7)	Sb(36)-O(167) 1.	962(7)	V(160)-O(164) 1.0	642(8)	
V(101)-O(108)	1.636(7)	V(110)-O(111) 1	1.900(7)	V(151)-O(178) 1.	.594(7)	V(160)-O(152) 1.9	927(7)	
V(101)-O(101)	1.892(7)	V(110)-O(141) 1	.925(7)	V(151)-O(156) 1.	.908(7)	V(160)-O(161) 1.9	930(7)	
V(101)-O(137)	1.921(7)	V(110)-O(142) 1	.962(7)	V(151)-O(165) 1.	.920(7)	V(160)-O(163) 1.9	962(7)	
V(101)-O(139)	1.959(8)	V(110)-O(128) 1	.986(7)	V(151)-O(174) 1.	.946(7)	V(160)-O(167) 1.9	986(7)	
V(101)-O(121)	1.984(7)	V(111)-O(117) 1	.602(7)	V(151)-O(176) 1.	.988(7)	V(161)-O(191) 1.0	606(7)	
V(102)-O(113)	1.633(7)	V(111)-O(111) 1	.916(7)	V(152)-O(190) 1.	.620(7)	V(161)-O(152) 1.9	911(7)	
V(102)-O(127)	1.896(7)	V(111)-O(101) 1	.937(7)	V(152)-O(181) 1.	.908(7)	V(161)-O(163) 1.9	937(6)	
V(102)-O(134)	1.952(7)	V(111)-O(137)	1.955(7)	V(152)-O(175) 1.	.942(7)	V(161)-O(153) 1.9	960(7)	
V(102)-O(133)	1.9/2(8)	V(111)-O(142) 2	2.01/(/)	V(152)-O(1/1) 1.	.945(7)	V(161)-O(180) 1.9	9/6(/)	
V(102)-O(118)	2.004(7)	V(112)-O(107) 1	1.604(7)	V(152)-O(172) 1.	.992(7)	V(162)-O(158) 1.0	626(7)	
V(103)-O(123)	1.609(7)	V(112)-O(127)	1.903(7)	V(153)-O(155) 1.	.610(7)	V(162)-O(188) 1.3	890(7)	
V(103)-O(138) V(102)-O(111)	1.932(7)	V(112)-O(136)	1.934(7)	V(153)-O(170) 1. V(152)-O(152) 1	.929(7)	v(162)-O(151) 1.9 v(162) O(150) 1.9	942(7)	
V(103)-O(111) V(102)-O(141)	1.940(7)	V(112)-O(133)	1.938(7)	V(155)-O(152) 1. V(152) O(162) 1	.932(7)	v(102)-O(159) 1.9 V(162)-O(160) 1.9	931(7)	
V(103)-O(141) V(102)-O(122)	1.734(7)	V(112)-O(130)	1.7/0(7)	V(155)-O(108) 1. V(152) O(190) 2	(1)	V(162)-U(169) 1.990(6) V(162) $O(186)$ 1.508(7)		
V(103)-O(132) V(104) O(132)	1.7/4(/)	V(113)-O(110)	1.014(7)	V(155)-O(180) 2. V(154) O(160) 1	606(7)	V(103)-O(180) 1. V(163) O(180) 1.	330(7)	
V(104) - O(122) V(104) - O(122)	1.013(7) 1.022(7)	V(113) - O(131)	1.924(7)	V(154) = O(100) 1.	906(7)	V(163)-O(188) 1.910(7) V(162) O(177) 1.042(7)		
V(104) - O(138)	1.922(7) 1.929(7)	V(113)-O(120)	958(7)	V(154)-O(105) 1. V(154)-O(163) 1	931(7)	V(163)-O(177) 1.	971(7)	
V(104) - O(101)	1.925(7)	V(113) - O(100) 1	967(7)	$V(154)_{-}O(153)$ 1	971(7)	V(163) - O(131) 1.	030(7)	
V(104)-O(120)	2 023(8)	V(113)-O(109) 1.907(7) V(114)-O(112) 1.611(7)		V(154)-O(153) 1.971(7) V(154)-O(174) 2.013(7)		V(163)-O(183) 2.030(7) V(164)-O(166) 1.609(7)		
V(104) O(121)	1 603(8)	V(114) - O(133) 1	909(8)	V(154) O(174) 2. V(155)-O(184) 1	589(7)	V(164) - O(170) 1	923(7)	
V(105) - O(119)	1.005(0)	V(114)-O(137) 1.935(7) V(114)-O(130) 1.935(7) V(114)-O(130) 1.968(7) V(114)-O(139) 1.978(8) V(115)-O(129) 1.596(8)		V(155)-O(151) 1.930(7) V(155)-O(151) 1.931(7)		V(164)-O(170) 1.925(7) V(164)-O(161) 1.928(7) V(164)-O(181) 1.979(7)		
V(105)-O(141)	1.948(7)							
V(105)-O(125)	1.978(7)			V(155)-O(183) 1.	V(155)-O(183) 1.956(7)		V(164)- $O(182)$ 2.017(7)	
V(105)-O(128)	1.986(7)			V(155)-O(169) 1.979(7)		V(165)-O(192) = 1.602(7)		
V(105)-O(123) 1.980(7) V(106)-O(120) 1.610(8) V(106)-O(135) 1.908(7) V(106)-O(119) 1.919(6)		V(115)-O(134) 1.899(7)	V(156)-O(179) 1.600(7) V(156)-O(161) 1.909(7) V(156)-O(181) 1.946(7)		V(165)-O(170) 1.911(7) V(165)-O(168) 1.945(8) V(165)-O(183) 1.980(7)			
		V(115)-O(131) 1.961(7) V(115)-O(106) 1.984(7)						
							,	x-7
		. , - , - , - , - , - , - , - , - , - ,						
Ni(5)-N(46)	2.090(12)	Ni(5)-N(43)	2.135(10)	Ni(7)-N(62)	2.046(13)	Ni(7)-N(61)	2.116(11)	
Ni(5)-N(41)	2.097(9)	Ni(5)-N(42)	2.140(10)	Ni(7)-N(66)	2.072(16)	Ni(7)-N(63)	2.137(11)	
Ni(5)-N(45)	2.132(9)	Ni(5)-N(44)	2.164(10)	Ni(7)-N(65)	2.098(12)	Ni(7)-N(64)	2.150(11)	
110 110	0.000/10		0.105/10		0.050/10	NI(0) N(72)	0.105/10	
N1(6)-N(56)	2.082(10)	N1(6)-N(54)	2.137(10)	N1(8)-N(76)	2.058(13)	N1(8)-N(72)	2.137(10)	
N1(0)-N(55)	2.106(10)	N1(0)-N(51)	2.13/(11)	IN1(8)-IN(73)	2.109(11)	IN1(8)-IN(7)	2.162(10)	
N1(6)-N(53)	2.125(10)	N1(6)-N(52)	2.152(10)	IN1(8)-IN(74)	2.126(11)	N1(8)-N(71)	2.1/2(10)	
						<u> </u>		
Ni(1)-N(2)	2 ()63(12)	$N_{i}(1)-N(3)$	2104(11)	Ni(3)-N(21)	2.084(10)	Ni(3)-N(23)	2 113(9)	
$N_{1}(1) - N(2)$	2.003(12) 2.001(13)	$N_{i}(1) - N(3)$	2.104(11) 2.136(15)	$N_{i}(3)-N(24)$	2.004(10) 2.106(0)	Ni(3)-N(25)	2.113(9)	
$N_{i}(1) - N(1)$	2.091(13) 2 103(11)	$N_{i}(1) - N(6)$	2.130(13) 2.167(13)	Ni(3)-N(26)	2.100(9)	Ni(3)-N(22)	2.133(9) 2 177(10)	
11(1)-11(1)	2.103(11)	11(1)-11(0)	2.10/(13)	11(3)-11(20)	2.110(9)	141(3)-14(22)	2.177(10)	
Ni(2)-N(16)	2.086(11)	Ni(2)-N(12)	2.118(11)	Ni(4)-N(36)	2,094(9)	Ni(4)-N(35)	2,142(9)	
Ni(2) - N(15)	2.097(12)	Ni(2)-N(14)	2.121(13)	Ni(4)-N(33)	2.094(10)	Ni(4)-N(32)	2.145(10)	
Ni(2)-N(11)	2.102(11)	Ni(2)-N(13)	2.143(10)	Ni(4)-N(34)	2.111(8)	Ni(4)-N(31)	2.156(9)	
	2.1.02(11)				(0)			
Ni(9)-N(86)	2.043(9)	Ni(9)-N(81)	2.127(9)	Ni(11)-N(105)	2.025(19)	Ni(11)-N(101)	2.144(15)	
Ni(9)-N(84)	2.089(10)	Ni(9)-N(85)	2.140(9)	Ni(11)-N(102)	2.042(16)	Ni(11)-N(104)	2.19(2)	
Ni(9)-N(83)	2.103(10)	Ni(9)-N(82)	2.156(10)	Ni(11)-N(106)	2.066(15)	Ni(11)-N(103)	2.207(16)	
Ni(10)-N(92)	2.084(10)	Ni(10)-N(96)	2.096(11)	Ni(12)-N(115)	2.13(3)	Ni(12)-N(111)	2.22(3)	
Ni(10)-N(94)	2.085(13)	Ni(10)-N(91)	2.130(11)	Ni(12)-N(112)	2.17(3)	Ni(12)-N(114)	2.27(3)	
N1(10)-N(93)	2.087(11)	N1(10)-N(95)	2.144(14)	N1(12)-N(116)	2.17(3)	N1(12)-N(113)	2.33(3)	
1								

Sb(1)-	-O(13)	1.937(5)	V(3)-O(8)	2.032(6)
Sb(1)-	-O(3)	1.941(6)	V(4)-O(4)	1.605(5)
Sb(1)-	-O(12)	1.944(5)	V(4)-O(2)	1.909(5)
Sb(2)-	-O(8)	1.935(5)	V(4)-O(10)	1.931(5)
Sb(2)-	-O(9)	1.945(5)	V(4)-O(9)	1.972(5)
V(1)-0	O(5)	1.610(5)	V(4)-O(13)	1.985(6)
V(1)-0	O(11)	1.910(5)	V(5)-O(14)	1.599(6)
V(1)-0	O(10)	1.937(5)	V(5)-O(6)	1.897(6)
V(1)-0	O(12)	2.014(5)	V(5)-O(2)	1.947(5)
V(1)-	V(2)	2.8303(15)	V(5)-O(13)	1.996(5)
V(2)-0	O(7)	1.610(5)	Ni(1)-N(2)	2.059(9)
V(2)-0	O(11)	1.905(5)	Ni(1)-N(5)	2.089(10)
V(2)-0	O(10)	1.938(5)	Ni(1)-N(6)	2.121(7)
V(2)-0	O(9)	1.982(5)	Ni(1)-N(3)	2.130(6)
V(3)-0	O(6)	1.916(5)	Ni(1)-N(1)	2.131(8)
V(3)-0	O(2)	1.961(5)	Ni(1)-N(4)	2.169(6)

Table S2: Bond lengths (Å) around the Ni²⁺ cations and also Sb-O and V-O bond lengths in compound **2**. Estimated standard deviations are given in parentheses.

Table S3: Sb-O, V-O and Ni-N bond lengths (Å) in compound **3**. Estimated standard deviations are given in parentheses.

U			
Sb(1)-O(10)	1.949(3)	V(2)-O(3)	1.967(3)
Sb(2)-O(20)	1.934(3)	V(3)-O(4)	1.614(3)
Sb(2)-O(18)	1.934(3)	V(3)-O(2)	1.926(3)
Sb(2)-O(15)	1.955(3)	V(3)-O(1)	1.959(3)
Ni(1)-N(2)	2.123(5)	V(3)-O(15)	2.000(3)
Ni(1)-N(3)	2.129(5)	V(4)-O(11)	1.627(3)
Ni(1)-N(1)	2.135(4)	V(4)-O(12)	1.917(3)
Ni(2)-N(7)	2.100(5)	V(4)-O(9)	1.925(3)
Ni(2)-N(6)	2.107(5)	V(4)-O(1)	1.949(3)
Ni(2)-N(5)	2.113(4)	V(4)-O(18)	2.000(3)
Ni(2)-N(9)	2.119(4)	V(5)-O(19)	1.639(3)
Ni(2)-N(8)	2.143(4)	V(5)-O(2)	1.908(3)
Ni(2)-N(4)	2.152(5)	V(5)-O(9)	1.934(3)
Ni(3)-N(10)	2.107(4)	V(5)-O(8)	1.958(3)
Ni(3)-N(11)	2.130(5)	V(5)-O(1)	1.961(3)
Ni(3)-N(12)	2.134(5)	V(6)-O(21)	1.607(4)
V(1)-O(5)	1.629(3)	V(6)-O(12)	1.926(3)
V(1)-O(6)	1.912(3)	V(6)-O(13)	1.938(3)
V(1)-O(9)	1.920(3)	V(6)-O(17)	1.966(3)
V(1)-O(8)	1.957(3)	V(6)-O(18)	1.987(3)
V(1)-O(10)	1.983(3)	V(7)-O(7)	1.624(3)
V(1)-V(5)	2.9594(10)	V(7)-O(2)	1.927(3)
V(1)-V(8)	3.0086(10)	V(7)-O(8)	1.952(3)
V(2)-O(16)	1.618(3)	V(8)-O(14)	1.622(3)
V(2)-O(12)	1.946(3)	V(8)-O(6)	1.919(3)
V(2)-O(6)	1.951(3)	V(8)-O(3)	1.941(3)
V(2)-O(13)	1.953(3)	V(8)-O(10)	1.983(3)