

Torsion or Conformation Angles					cont				
(1)	(2)	(3)	(4)	angle	(1)	(2)	(3)	(4)	angle
O(45)C(43)C(42)N(41)				-166.3(9)	C(2) C(3) C(4) C(5)				0(2)
O(45)C(43)C(42)C(46)				-39(1)	C(2) C(7) C(6) C(5)				4(2)
N(11)Co	O(13)C(12)			-19.5(7)	C(3) C(2) C(1) C(11)				120(1)
N(11)Co	O(23)C(22)			-0.4(8)	C(3) C(2) C(7) C(6)				-3(2)
N(11)Co	O(33)C(32)			17.5(7)	C(3) C(4) C(5) C(6)				1(2)
N(11)Co	O(44)C(43)			156.7(7)	C(4) C(3) C(2) C(7)				1(2)
N(11)Co	N(41)C(42)			5(12)	C(4) C(5) C(6) C(7)				-3(2)
N(11)C(11)C(1) C(2)				-64(1)	C(7) C(2) C(1) C(11)				-64(1)
N(41)Co	O(13)C(12)			158.8(7)	C(11)N(11)C(21)C(22)				-126.0(9)
N(41)Co	O(23)C(22)			178.8(8)	C(11)N(11)C(31)C(32)				138.2(8)
N(41)Co	O(33)C(32)			-160.8(7)	C(12)C(11)N(11)C(21)				77.4(9)
N(41)Co	O(44)C(43)			-22.4(7)	C(12)C(11)N(11)C(31)				-152.1(8)
N(41)Co	N(11)C(11)			-29(11)	C(21)N(11)C(31)C(32)				-92(1)
N(41)Co	N(11)C(21)			-147(11)	C(22)C(21)N(11)C(31)				102.3(9)
N(41)Co	N(11)C(31)			92(11)	C(42)C(46)C(47)C(48)				-120(1)
N(41)C(42)C(46)C(47)				51(1)	C(42)C(46)C(47)C(55)				56(1)
N(54)C(53)C(48)C(47)				-1(1)	C(43)C(42)C(46)C(47)				-71(1)
N(54)C(53)C(48)C(49)				-179.9(9)	C(46)C(47)C(48)C(49)				-3(2)
N(54)C(53)C(52)C(51)				180(1)	C(46)C(47)C(48)C(53)				178(1)
N(54)C(55)C(47)C(46)				-178(1)	C(47)C(48)C(49)C(50)				-180(1)
N(54)C(55)C(47)C(48)				-1(1)	C(47)C(48)C(53)C(52)				179(1)
C(1) C(2) C(3) C(4)				177(1)	C(47)C(55)N(54)C(53)				1(2)
C(1) C(2) C(7) C(6)				-178(1)	C(48)C(49)C(50)C(51)				3(2)
C(1) C(11)N(11)C(21)				-53(1)	C(48)C(53)N(54)C(55)				0(1)
C(1) C(11)N(11)C(31)				78(1)	C(48)C(53)C(52)C(51)				-1(2)
C(2) C(1) C(11)C(12)				169.8(8)	C(49)C(48)C(47)C(55)				-180(1)

The sign is positive if when looking from atom 2 to atom 3 a clockwise motion of atom 1 would superimpose it on atom 4.

Torsion or Conformation Angles					cont				
(1)	(2)	(3)	(4)	angle	(1)	(2)	(3)	(4)	angle
C(49)	C(48)	C(53)	C(52)	1(2)					
C(49)	C(50)	C(51)	C(52)	-3(2)					
C(50)	C(49)	C(48)	C(53)	-2(2)					
C(50)	C(51)	C(52)	C(53)	2(2)					
C(52)	C(53)	N(54)	C(55)	180(1)					
C(53)	C(48)	C(47)	C(55)	2(1)					

The sign is positive if when looking from atom 2 to atom 3 a clockwise motion of atom 1 would superimpose it on atom 4.