bonds [Ta(3)-O(34) = 2.03 (2) Å]. The Ta-O distance in the central unit [1.76 (2) Å] indicates a double-bond interaction; the O bridges are thus unsymmetrical, although essentially linear $[Ta(3)-O(34)-Ta(4) = 178.4 (15)^{\circ}]$ (Prout & Daran, 1979).

As a result of the *trans* influence of the oxo groups, the Cl atoms *trans* to the Ta(4)–O(34) and Ta(4')– O(34') bonds show a relatively weak interaction with Ta(4) and Ta(4'), respectively [the corresponding bond distance is 2.672 (9) Å]. Accordingly, the Cl atoms *trans* to the Ta(3)–O(34) and Ta(3')–O(34') dative bonds show relatively short Ta–Cl distances at 2.30 (1) Å.

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Bis[(N,N'-diethyldithiocarbamato)bis(diphenylphosphinito)platinato-O,O']cobalt(II) Chloroform (1/2), Co[$(C_{12}H_{10}OP)_2Pt(C_5H_{10}NS_2)$]₂.2CHCl₃

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Abstract. $M_r = 1789 \cdot 11$, triclinic, $P\overline{1}$, $a = 11 \cdot 31$ (3), $b = 14 \cdot 085$ (4), $c = 24 \cdot 701$ (8) Å, $\alpha = 80 \cdot 20$ (3), $\beta = 76 \cdot 73$ (3), $\gamma = 66 \cdot 32$ (2)°, $V = 3493 \cdot 9$ Å³, Z = 2, $D_x = 1 \cdot 70$, $D_m = 1 \cdot 65$ g cm⁻³, λ (Mo K α) = 0.71069 Å, $\mu = 49 \cdot 13$ cm⁻¹, F(000) = 1754, T = 291 K, R = 0.0914 for 3979 unique observed reflections. The molecule has the Co atom at the centre with the Pt atoms and the associated ligands either side of it. The coordination about each Pt atom is square-planar, with Pt-S 2.38, Pt-P 2.25 Å, and tetrahedral about the Co atom, with Co-O 1.95-1.97 Å.

Introduction. The crystal-structure determination was undertaken as part of a wider study of the metal complexes of sulphur ligands. The reaction of $[Pt(S_2CNEt_2)(Ph_2PO)_2H]$ with some first-row

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transition-metal acetylacetonates, in this case cobalt, yielded the heterobimetallic complex whose structure is reported here. The structure analysis was undertaken to confirm the proposed tetrahedral coordination about the Co atom and the square-planar environment of the Pt atoms. To the best of our knowledge this structure is the first of its kind to be reported.

Experimental. The preparation of, and the spectral and magnetic data for the blue compound $Co[(OPPh_2)_2$ -Pt(S₂CNEt₂)]₂ have been previously reported (Allan, Milburn, Stephenson & Veitch, 1983). Recrystallization from CHCl₃ produced the compound $Co[(OPPh_2)_2$ -Pt(S₂CNEt₂)]₂.2CHCl₃ whose X-ray structure analysis is reported here. D_m measured by flotation in chloroform and 1,3-dibromopropan-2-ol. Crystals: dark-blue needles, dimensions $0.4 \times 0.4 \times 0.2$ mm. They decomposed in air through loss of solvent and the

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Table 1. Atomic coordinates (fractional $\times 10^5$ for Pt, $\times 10^4$ for remaining atoms) and thermal vibration parameters (Å² $\times 10^3$) with e.s.d.'s in parentheses

Isotropic temperature factor = $\exp(-U\sin^2\theta/\lambda^2)$.

P(1) - 12650 (10) 22352 (8) = 3310 (4) 44 (67) Co(1) 773 (4) 2497 (3) 2497 (2) 49 (02) Co(1) 773 (4) 2497 (3) 2497 (2) 49 (02) S(1) - 1669 (9) 4065 (6) 4814 (4) 83 (06) S(2) - 2210 (7) 2245 (6) 4834 (3) 58 (0) S(3) 2221 (9) 947 (5) 184 (4) 80 (06) S(4) - 135 (7) 2757 (6) 157 (3) 62 (05) O(2) 49 (16) 1577 (11) 3037 (7) 49 (4) O(3) - 312 (18) 3409 (12) 1962 (8) 59 (5) O(1) 1130 (17) 3243 (12) 3002 (7) 58 (5) O(1) - 2345 (23) 3376 (19) 5666 (12) 88 (8) C(1) - 2541 (29) 3312 (20) 5157 (12) 61 (8) C(2) 959 (29) 1703 (21) - 174 (13) 63 (8) C(1) - 2541 (29) 3312 (20) 5157 (12) 61 (8) C(21) 1849 (38) 569 (27) -956 (17) 129 (15) C(22) 2678 (50) 964 (37) -1457 (22) 166 (21) C(23) -1183 (33) 2136 (27) -987 (16) 107 (24) C(24) -1195 (52) 1604 (43) -865 (28) 192 (24) C(11) -3647 (44) 4557 (25) 5934 (17) 127 (12) C(13) -4038 (34) 2857 (23) 5976 (17) 118 (14) C(14) -5459 (33) 3400 (39) S848 (26) 181 (23) C(14) -3647 (14) 983 120 (23) 2472 (13) 106 (12) C(14) -782 (11) 1088 (9) 1796 (5) 123 (9) C(13) -2296 (15) -788 (9) 2546 (7) 118 (14) C(14) -782 (11) 1088 (9) 1796 (5) 123 (9) C(13) -2292 (11) 839 (12) 2380 (16) 151 (10) C(14) -782 (11) 1088 (9) 1796 (5) 123 (9) C(13) 2280 (10) 6660 (9) 786 (5) 121 (8) P(1) 655 (7) 3489 (5) 3615 (3) 447 (44) P(2) 178 (7) 1383 (5) 3656 (3) 47 (44) P(2) 178 (7) 1383 (5) 3656 (3) 47 (49) P(1) 655 (7) 3489 (5) 3615 (3) 449 (47) P(2) 178 (7) 1383 (13) 3695 (8) 42 (6) C(51) -2994 (15) 2707 (13) 3212 (8) (6) 151 (10) C(51) -2994 (15) 2707 (13) 3212 (8) (6) 151 (10) C(51) -2974 (15) -738 (9) 2546 (7) 127 (15) (6) (22) (23) 47 (49) C(51) -2974 (15) 2707 (13) 3212 (8) (6) (78) (7) (7) (7) 18 (42) (7) (7) (7) (7) (7) (7) (7) (7) (7) (7		x	ν	Z	U_{iso}
$\begin{array}{cccc} P(1) & -6691 (10) & 27656 (8) & 41688 (4) & 44 (07) \\ S(1) & -1669 (9) & 4065 (6) & 4814 (4) & 83 (06) \\ S(2) & -2210 (7) & 2245 (6) & 4834 (3) & 58 (05) \\ S(3) & -2210 (7) & 2245 (6) & 4834 (3) & 58 (05) \\ S(4) & -135 (7) & 2757 (6) & 157 (3) & 62 (05) \\ O(2) & 49 (16) & 1579 (11) & 3037 (7) & 49 (4) \\ O(3) & -312 (18) & 3409 (12) & 1962 (8) & 59 (5) \\ O(4) & 2379 (18) & 1144 (12) & 1997 (8) & 66 (5) \\ O(4) & 2379 (18) & 1144 (12) & 1997 (8) & 66 (5) \\ O(1) & 1335 (23) & 3375 (19) & 566 (12) & 85 (8) \\ O(1) & 2355 (23) & 3375 (19) & 5566 (12) & 85 (8) \\ O(2) & 843 (24) & 1464 (18) & -649 (11) & 79 (8) \\ O(2) & 843 (24) & 1464 (18) & -649 (11) & 79 (8) \\ O(2) & 843 (24) & 1464 (18) & -649 (11) & 79 (8) \\ O(2) & 1849 (38) & 569 (27) & -956 (17) & 129 (15) \\ C(22) & 2678 (50) & 964 (37) & -1457 (22) & 166 (21) \\ C(24) & -1195 (52) & 1604 (43) & -865 (28) & 192 (24) \\ C(14) & -3457 (44) & 4557 (25) & 5934 (17) & 127 (15) \\ C(12) & -2946 (56) & 4157 (39) & 6447 (22) & 171 (21) \\ C(13) & -4038 (34) & 2857 (25) & 575 (17) & 118 (14) \\ C(14) & -5459 (12) & 3409 (39) & 5848 (26) & 181 (23) \\ C(4) & -782 (11) & 1088 (9) & 1796 (5) & 123 (9) \\ C(16) & -2995 (11) & 893 (12) & 2580 (6) & 151 (10) \\ C(16) & -2995 (11) & 893 (12) & 2580 (6) & 151 (10) \\ C(16) & -2995 (11) & 893 (12) & 2580 (6) & 151 (13) \\ C(16) & -2995 (11) & 893 (12) & 2580 (6) & 151 (13) \\ C(16) & -398 (10) & 6666 (9) & 6786 (5) & 121 (89) \\ P(2) & 788 (7) & 1383 (5) & 3656 (3) & 47 (49) \\ P(2) & 788 (7) & 1383 (5) & 3656 (3) & 47 (49) \\ P(1) & 656 (7) & 3489 (6) & 3656 (3) & 47 (49) \\ P(2) & 788 (10) & 606 (12) & 7882 (5) & 147 (10) \\ C(51) & 2000 (15) & 639 (13) & 3230 (8) & 224 (14) \\ C(51) & -697 (16) & -1157 (11) & 3323 (8) & 112 (13) \\ C(51) & -2046 (16) & 900 (11) & 3329 (9) & 86 (10) \\ C(51) & -2040 (16) & 490 (11) & 3329 (9) & 86 (10) \\ C(51) & -2040 (16) & -157 (11) & 4376 (8) & 60 (8) \\ C(51) & -2040 (16) & -157 (11) & 4376 (8) & 60 (8) \\ C(51) & -2040 (17) & 2350 (15) & 3334 (9) & 97 (11) \\ C(4) & 4350 (17) & 2370 (15) & 533 (15) & 3$	Pt(2)	12650 (10)	22352 (8)	8310(4)	44 (01)*
$\begin{array}{c} C_0(1) & 773 (4) & 2497 (3) & 2497 (2) & 49 (2) \\ S(1) & -1669 (9) & 4065 (6) & 4814 (4) & 83 (06) \\ S(2) & -2210 (7) & 2245 (6) & 4834 (3) & 58 (00) \\ S(3) & 2221 (9) & 947 (5) & 184 (4) & 80 (06) \\ S(4) & -135 (7) & 2157 (6) & 157 (3) & 62 (05) \\ O(2) & 49 (16) & 1577 (11) & 3037 (7) & 49 (4) \\ O(3) & -312 (18) & 3409 (12) & 1962 (8) & 59 (5) \\ O(1) & 1130 (17) & 3243 (12) & 3002 (7) & 58 (5) \\ O(1) & -1325 (12) & 3757 (19) & 5666 (12) & 88 (8) \\ O(1) & -3355 (23) & 3576 (19) & 5666 (12) & 88 (8) \\ C(1) & -2541 (29) & 31312 (20) & 5157 (12) & 61 (8) \\ C(21) & 1849 (38) & 569 (27) & -956 (17) & 129 (15) \\ C(22) & 2678 (50) & 964 (37) & -1457 (22) & 168 (21) \\ C(23) & -183 (35) & 2136 (27) & -987 (16) & 107 (24) \\ C(14) & -3647 (44) & 4557 (25) & 5934 (17) & 127 (15) \\ C(13) & -4038 (34) & 2857 (25) & 5976 (17) & 118 (14) \\ -4549 (33) & 3409 (39) & 5848 (26) [81 (23) (24) \\ C(14) & -5459 (33) & 3409 (39) & 5848 (26) [81 (23) (24) \\ C(14) & -4589 (33) & 560 (12) & 7882 (9) & 2546 (7) & 163 (11) \\ C(16) & -457 (15) & -788 (9) & 2546 (7) & 163 (11) \\ C(16) & -457 (15) & -788 (9) & 2546 (7) & 163 (11) \\ C(16) & -458 (11) & 823 (12) & 2580 (16) & 151 (10) \\ C(13) & 2280 (10) & 6666 (9) & 7786 (5) & 121 (8) \\ P(2) & 178 (7) & 1383 (5) & 3656 (3) & 47 (44) \\ P(2) & 178 (7) & 1383 (5) & 3656 (3) & 47 (49) \\ P(2) & 178 (7) & 1383 (5) & 3656 (3) & 47 (49) \\ P(2) & 178 (7) & 1383 (5) & 3656 (3) & 47 (49) \\ P(2) & 178 (7) & 1383 (5) & 3656 (3) & 47 (49) \\ P(2) & 178 (7) & 1383 (5) & 3656 (3) & 47 (49) \\ P(2) & 178 (7) & 1383 (5) & 3656 (3) & 47 (49) \\ P(2) & 178 (7) & 1383 (5) & 3656 (3) & 47 (49) \\ P(2) & 178 (7) & 1383 (5) & 3656 (3) & 47 (49) \\ P(2) & 178 (7) & 1383 (13) & 3497 (8) & 86 (10) \\ C(511) & -600 (16) & -900 (11) & 3992 (8) & 37 (6) \\ C(512) & -2048 (16) & 90 (11) & 3992 (8) & 37 (6) \\ C(513) & -2648 (16) & 90 (11) & 3992 (8) & 37 (6) \\ C(514) & 4203 (12) & -274 (13) & 3130 (8) & 428 (8) \\ C(516) & -2748 (17) & 2510 (15) & 3134 (8) & 86 (10) \\ C(511) & -2748 (17) & 2132 (15) & 3134 (18) & 81 (10) \\ C(4$	Pt(1)	-6691 (10)	27656 (8)	41688 (4)	44 (07)*
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Co(I)	773 (4)	2497 (3)	2497 (2)	49 (02)*
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	S(I)	-1669 (9)	4065 (6)	4814 (4)	83 (06)*
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	S(2)	-2210(7)	2245 (6)	4834 (3)	58 (05)*
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	S(3)	22210 (7)	2243 (0)	184 (4)	80 (06)*
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	S(3) S(4)	125 (7)	947 (J)	164 (4)	60 (00)
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3(4)	-135(7)	2737(0)	137 (3)	62 (03)
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0(2)	49 (16)	1579 (11)	3037(7)	49 (4)
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	O(3)	-312 (18)	3409 (12)	1962 (8)	59 (5)
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	O(1)	1130 (17)	3243 (12)	3002 (7)	58 (5)
$ \begin{array}{llllllllllllllllllllllllllllllllllll$	O(4)	2379 (18)	1744 (12)	1997 (8)	60 (5)
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	N(1)	-3355 (23)	3576 (19)	5666 (12)	85 (8)
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	C(2)	959 (29)	1703 (21)	-174 (13)	63 (8)
$ \begin{array}{cccccc} N(2) & 843 (24) & 1646 (18) & -649 (11) & 79 (6) \\ C(21) & 1849 (38) & 569 (27) & -956 (17) & 129 (15) \\ C(23) & -183 (35) & 2136 (27) & -987 (16) & 107 (24) \\ C(24) & -1195 (52) & 1604 (43) & -865 (28) & 192 (24) \\ C(11) & -3647 (44) & 4557 (25) & 5934 (17) & 127 (15) \\ C(12) & -2946 (56) & 4157 (29) & 5976 (17) & 118 (14) \\ C(14) & -5459 (32) & 3409 (39) & 5848 (26) & 181 (23) \\ C(4) & -1310 (27) & 609 (22) & 2472 (13) & 106 (12) \\ C(4) & -782 (11) & 1088 (9) & 1796 (5) & 122 (9) \\ C(5) & -457 (15) & -788 (9) & 2546 (7) & 163 (11) \\ C(6) & -2995 (11) & 893 (12) & 2580 (6) & 151 (10) \\ C(6) & -2995 (11) & 893 (12) & 2580 (6) & 151 (10) \\ C(13) & 3222 (30) & 5601 (18) & 7464 (16) & 90 (11) \\ C(14) & 4535 (12) & 5860 (12) & 7582 (5) & 147 (10) \\ C(13) & 3222 (30) & 5601 (18) & 7464 (16) & 90 (11) \\ C(14) & 4535 (12) & 5860 (12) & 7582 (5) & 147 (10) \\ C(13) & 2880 (10) & 6066 (9) & 6786 (5) & 121 (8) \\ P(1) & 656 (7) & 3489 (5) & 3615 (3) & 49 (4) \\ P(2) & 178 (7) & 1383 (5) & 3656 (3) & 47 (44) \\ C(51) & 1906 (15) & 639 (13) & 3695 (8) & 42 (6) \\ C(52) & 2351 (15) & -483 (13) & 4197 (8) & 81 (10) \\ C(53) & 3684 (15) & -42 (13) & 4216 (8) & 97 (11) \\ C(54) & 4572 (15) & -411 (13) & 3732 (8) & 112 (13) \\ C(55) & 2794 (15) & -270 (13) & 3212 (8) & 86 (10) \\ C(513) & -630 (16) & 490 (11) & 3291 (8) & 63 (8) \\ C(514) & -2020 (16) & -808 (11) & 4338 (8) & 606 (8) \\ C(515) & -697 (16) & -1157 (11) & 4376 (8) & 68 (8) \\ C(516) & -24 (16) & 190 (11) & 4996 (8) & 76 (9) \\ C(514) & -2020 (16) & -808 (11) & 4338 (8) & 606 (8) \\ C(515) & -697 (16) & -1157 (11) & 4376 (8) & 68 (8) \\ C(516) & -274 (21) & 5463 (12) & 3992 (9) & 87 (10) \\ C(61) & -394 (16) & 190 (11) & 4996 (8) & 76 (9) \\ C(514) & -432 (21) & 7070 (12) & 3525 (9) & 122 (14) \\ C(66) & -371 (21) & 5463 (12) & 3998 (9) & 86 (10) \\ C(61) & -394 (14) & 2907 (15) & 3541 (8) & 82 (10) \\ C(61) & -494 (17) & 2610 (15) & 4483 (3) & 46 (4) \\ P(4) & 2775 (7) & 1517 (6) & 1388 (3) & 56 (4) \\ C(41) & 3380 (22) & -1474 (11) & 1832 (9) & 66 (8) \\ C(612) & 3303 (17$	C(1)	-2541 (29)	3312 (20)	5157 (12)	61 (8)
$\begin{array}{ccccc} C(2) & 1849 (36) & 569 (27) & -956 (17) & 129 (15) \\ C(22) & 2678 (50) & 964 (37) & -1457 (22) & 168 (21) \\ C(24) & -1195 (52) & 1604 (43) & -865 (28) & 192 (24) \\ C(11) & -3647 (44) & 4557 (25) & 5934 (17) & 112 (15) \\ C(12) & -2946 (56) & 4157 (39) & 6447 (22) & 171 (21) \\ C(13) & -4038 (34) & 2857 (25) & 5976 (17) & 118 (14) \\ C(14) & -5459 (32) & 3409 (39) & 5848 (26) & 181 (23) \\ C(4) & -782 (11) & 1088 (9) & 1796 (5) & 123 (9) \\ C(5) & -457 (15) & -788 (9) & 2546 (7) & 163 (11) \\ C(16) & -2995 (11) & 893 (12) & 2546 (7) & 163 (11) \\ C(16) & -2995 (11) & 893 (12) & 2546 (7) & 163 (11) \\ C(16) & -2995 (11) & 893 (12) & 2546 (5) & 121 (9) \\ C(16) & -457 (15) & -788 (9) & 2546 (7) & 163 (11) \\ C(13) & 3222 (30) & 5601 (18) & 7464 (16) & 90 (11) \\ C(13) & 3222 (30) & 5601 (18) & 7464 (16) & 90 (11) \\ C(13) & 2880 (10) & 6066 (9) & 6786 (5) & 121 (8) \\ P(1) & 656 (7) & 3489 (5) & 3615 (3) & 47 (44) \\ C(51) & 1906 (15) & 639 (13) & 3695 (8) & 42 (6) \\ C(51) & 1906 (15) & 639 (13) & 3695 (8) & 42 (6) \\ C(53) & 3684 (15) & -42 (13) & 4216 (8) & 97 (11) \\ C(53) & 3684 (15) & -42 (13) & 4216 (8) & 97 (11) \\ C(53) & 3684 (15) & -42 (13) & 3210 (8) & 122 (13) \\ C(51) & -630 (16) & 490 (11) & 3929 (8) & 37 (6) \\ C(511) & -630 (16) & 490 (11) & 3891 (8) & 63 (8) \\ C(516) & -20 (16) & -808 (11) & 4338 (8) & 608 (8) \\ C(516) & -20 (16) & -808 (11) & 4338 (8) & 608 (8) \\ C(516) & -20 (16) & -808 (11) & 4338 (8) & 608 (8) \\ C(516) & -21 (16) & -508 (11) & 4171 (8) & 67 (8) \\ C(61) & -94 (21) & 4905 (12) & 3595 (9) & 67 (8) \\ C(515) & -651 (21) & 5645 (12) & 3992 (9) & 95 (11) \\ C(63) & -1379 (21) & 5612 (12) & 3122 (9) & 133 (13) \\ C(54) & 4205 (17) & 2362 (15) & 1448 (18) & 82 (10) \\ C(61) & -209 (17) & 3136 (15) & 4475 (8) & 63 (8) \\ C(516) & -211 (2) & 5645 (12) & 3995 (9) & 67 (8) \\ C(612) & 3030 (17) & 2907 (15) & 3541 (8) & 82 (10) \\ C(61) & -370 (1) & 3158 (15) & 1006 (9) & 96 (12) \\ C(61) & -470 (17) & 3156 (15) & 1006 (9) & 96 (18) \\ C(14) & 4305 (27) & -1542 (11) & 1333 (9) & 94 (11) \\ C(61) & -2775 (22$	N(2)	843 (24)	1464 (18)	-649 (11)	79 (8)
$\begin{array}{ccccccc} 1221 & 2678 (30) & 944 (37) & -1437 (22) & 168 (21) \\ C(23) & -183 (33) & 2136 (27) & -987 (16) & 107 (24) \\ C(14) & -3647 (44) & 4557 (25) & 5934 (17) & 127 (15) \\ C(13) & -4038 (34) & 2857 (25) & 5976 (17) & 118 (14) \\ C(14) & -5459 (32) & 3409 (39) & 5848 (26) & 181 (32) \\ C(14) & -5459 (32) & 3409 (39) & 5848 (26) & 181 (32) \\ C(14) & -782 (11) & 1088 (9) & 1796 (5) & 123 (9) \\ C(15) & -457 (15) & -788 (9) & 2546 (7) & 163 (11) \\ C(16) & -2995 (11) & 893 (12) & 2580 (16) & 910 (11) \\ C(16) & -2995 (11) & 893 (12) & 2580 (16) & 910 (11) \\ C(10) & 4335 (12) & 5860 (12) & 7582 (5) & 147 (10) \\ C(12) & 3682 (14) & 4234 (10) & 7529 (7) & 166 (12) \\ C(13) & 22880 (10) & 6066 (9) & 6786 (5) & 121 (8) \\ P(1) & 656 (7) & 3489 (5) & 3615 (3) & 47 (4) \\ C(51) & 1906 (15) & 639 (13) & 3655 (8) & 42 (6) \\ C(52) & 2351 (15) & 4483 (13) & 4197 (8) & 81 (10) \\ C(53) & 3684 (15) & -42 (13) & 3210 (8) & 122 (14) \\ C(54) & 4572 (15) & -411 (13) & 3722 (8) & 112 (13) \\ C(54) & 4572 (15) & -421 (13) & 3212 (8) & 87 (16) \\ C(511) & -963 (16) & 490 (11) & 3929 (8) & 77 (6) \\ C(512) & -1953 (16) & 439 (11) & 4391 (8) & 63 (8) \\ C(513) & -2648 (16) & 190 (11) & 4376 (8) & 76 (9) \\ C(514) & -2020 (16) & -808 (11) & 4338 (8) & 60 (8) \\ C(514) & -2020 (16) & -808 (11) & 4338 (8) & 60 (8) \\ C(514) & -2020 (16) & -808 (11) & 4338 (8) & 60 (8) \\ C(514) & -2020 (16) & -808 (11) & 4338 (8) & 60 (8) \\ C(514) & -2020 (16) & -808 (11) & 4338 (8) & 60 (8) \\ C(514) & -2020 (16) & -808 (11) & 4338 (8) & 60 (8) \\ C(514) & -2020 (16) & -808 (11) & 4338 (8) & 60 (8) \\ C(514) & -2020 (16) & -808 (11) & 4338 (8) & 60 (8) \\ C(514) & -2020 (16) & -808 (11) & 4338 (8) & 60 (8) \\ C(514) & -2020 (16) & -808 (11) & 4338 (8) & 60 (8) \\ C(514) & -2020 (16) & -808 (11) & 4338 (8) & 60 (8) \\ C(514) & -2020 (16) & -808 (11) & 4338 (8) & 60 (8) \\ C(514) & -2020 (16) & -808 (11) & 4338 (8) & 60 (8) \\ C(514) & -308 (13) (17) & 207 (12) & 3525 (9) & 95 (11) \\ C(64) & -338 (17) & 207 (12) & 3525 (9) & 95 (11) \\ C(64) & -338 (17) & 207 (12) & 3529 (9) & $	C(2)	1849 (38)	569 (27)	-956 (17)	129 (15)
$\begin{array}{cccccc} 1.2.3 & 2.33 & (2.7) & -1.42 & (1.6) & (1.7) & (2.4) & (1.6) & (2.7) & (1.6) & (2.7) & (1.6) & (2.7) & (1.6) & (2.7) & (1.6) & (2.7) & (1.6) & (2.7) & (1.6) & (2.7) & (1.6) & (2.7) & (1.6) & (2.7) & (1.6) & (2.7) & (1.6) & (2.7) & (1.6) & (2.7) & (1.6) & (2.7) & (1.6) & (2.7) & (1.6) & (2.7) & (1.6) & (2.7) & (1.6) & (2.7) & (1.6) & (2.7) & (2.6) & (2.6) & (2.7) & (2.6) & (2.$	C(22)	2678 (50)	964 (37)	-1457 (22)	168 (21)
$\begin{array}{ccccc} 2(24) & -1195 (52) & 1600 (43) & -965 (28) & 192 (24) \\ C(11) & -3647 (44) & 4557 (25) & 5934 (17) & 127 (15) \\ C(13) & -4038 (34) & 2857 (25) & 5976 (17) & 118 (14) \\ C(14) & -5459 (32) & 3409 (39) & 5848 (26) & 181 (23) \\ C(14) & -782 (11) & 1088 (9) & 1796 (5) & 123 (9) \\ C(15) & -457 (15) & -788 (9) & 2546 (7) & 163 (11) \\ C(16) & -2995 (11) & 893 (12) & 2580 (6) & 151 (10) \\ C(16) & -2995 (11) & 893 (12) & 2580 (6) & 151 (10) \\ C(13) & 3222 (30) & 5601 (18) & 7464 (16) & 90 (11) \\ C(1) & 4535 (12) & 5860 (12) & 7582 (5) & 147 (10) \\ C(12) & 3682 (14) & 4234 (10) & 7529 (7) & 166 (12) \\ C(13) & 2880 (10) & 6066 (9) & 6786 (5) & 121 (8) \\ P(1) & 656 (7) & 3489 (5) & 3615 (3) & 49 (4) \\ P(2) & 178 (7) & 1383 (5) & 3656 (3) & 47 (4) \\ C(51) & 1906 (15) & 639 (13) & 3695 (8) & 42 (6) \\ C(52) & 2351 (15) & 483 (13) & 4197 (8) & 81 (10) \\ C(54) & 4572 (15) & -411 (13) & 3732 (8) & 112 (13) \\ C(54) & 4572 (15) & -411 (13) & 3732 (8) & 122 (13) \\ C(55) & 2127 (15) & -254 (13) & 3210 (8) & 52 (13) \\ C(51) & -630 (16) & 490 (11) & 3929 (8) & 37 (6) \\ C(51) & -630 (16) & 490 (11) & 3929 (8) & 756 (9) \\ C(511) & -630 (16) & 490 (11) & 3929 (8) & 756 (9) \\ C(514) & -2020 (16) & -808 (11) & 4338 (8) & 60 (8) \\ C(515) & -697 (16) & -1157 (11) & 4336 (8) & 668 (8) \\ C(516) & -2 (16) & -508 (11) & 4171 (8) & 67 (8) \\ C(61) & -204 (10) & -508 (11) & 4171 (8) & 67 (8) \\ C(61) & -204 (10) & -508 (11) & 4171 (8) & 67 (8) \\ C(61) & -204 (17) & 263 (12) & 3952 (9) & 67 (8) \\ C(61) & -204 (17) & 263 (12) & 3952 (9) & 86 (10) \\ C(611) & 2099 (17) & 3158 (15) & 3905 (8) & 62 (8) \\ C(61) & -651 (21) & 6545 (12) & 3962 (9) & 86 (10) \\ C(611) & 2099 (17) & 3158 (15) & 3748 (8) & 107 (12) \\ C(614) & 4405 (17) & 263 (15) & 3748 (8) & 107 (12) \\ C(615) & -651 (21) & 6545 (12) & 3952 (9) & 67 (8) \\ C(612) & -764 (21) & 5429 (12) & 5353 (9) & 91 (11) \\ C(414) & 4352 (12) & -1157 (6) & 1388 (3) & 56 (7) \\ C(313) & -1225 (14) & 4512 (12) & 1016 (8) & 82 (10) \\ C(411) & 3180 (12) & -1474 (11) & 1872 (9) & 118 (14) \\ C(41) & 3180 (22$	C(22)	-183 (35)	2136 (27)	-1437(22) -087(16)	107 (24)
$\begin{array}{ccccc} (21) & -135 (22) & 1004 (83) & -803 (28) & 122 (24) \\ (21) & -2946 (56) & 4157 (23) & 5934 (17) & 178 (14) \\ (21) & -3437 (44) & 2557 (25) & 5976 (17) & 118 (14) \\ (214) & -5459 (32) & 3409 (39) & 5848 (26) & 181 (23) \\ (24) & -1310 (27) & 609 (22) & 2472 (13) & 106 (12) \\ (216) & -4577 (15) & -788 (9) & 2546 (7) & 163 (11) \\ (216) & -4577 (15) & -788 (9) & 2546 (7) & 163 (11) \\ (216) & -2955 (11) & 893 (12) & 2580 (6) & 151 (10) \\ (213) & 3222 (30) & 5601 (18) & 7464 (16) & 90 (11) \\ (214) & 4533 (12) & 5860 (12) & 7522 (5) & 147 (10) \\ (216) & 3682 (14) & 4234 (10) & 7529 (7) & 166 (12) \\ (213) & 2880 (10) & 6066 (9) & 6786 (5) & 121 (8) \\ (211) & 656 (7) & 3489 (5) & 3655 (3) & 47 (4) \\ (251) & 1906 (15) & 639 (13) & 3695 (8) & 42 (6) \\ (252) & 2351 (15) & 483 (13) & 4197 (8) & 81 (10) \\ (253) & 3684 (15) & -42 (13) & 3230 (8) & 125 (14) \\ (254) & 4572 (15) & -254 (13) & 3230 (8) & 125 (14) \\ (256) & 2794 (15) & 270 (13) & 3212 (8) & 86 (10) \\ (2511) & -630 (16) & 490 (11) & 3929 (8) & 37 (6) \\ (2512) & -1953 (16) & 439 (11) & 4391 (8) & 63 (8) \\ (2513) & -2648 (16) & 190 (11) & 4096 (8) & 76 (9) \\ (2514) & -2020 (16) & -808 (11) & 4338 (8) & 660 (8) \\ (2515) & -697 (16) & -1157 (11) & 4376 (8) & 687 (8) \\ (261) & -94 (21) & 4005 (12) & 3595 (9) & 67 (8) \\ (261) & -94 (21) & 5429 (12) & 3157 (9) & 93 (11) \\ (266) & -37 (21) & 5463 (12) & 3998 (9) & 86 (10) \\ (2611) & 2099 (17) & 3158 (15) & 3748 (8) (107 (12) \\ (266) & -37 (21) & 5463 (12) & 3998 (9) & 86 (10) \\ (2611) & 2099 (17) & 3158 (15) & 3748 (8) (107 (12) \\ (2614) & 4358 (17) & 263 (15) & 3748 (8) (13) (44) (4) \\ (217 8 (7) & 1517 (6) & 1388 (3) & 45 (4) \\ (24) & 2775 (22) & -393 (11) & 1832 (9) & 66 (8) \\ (242) & 2775 (22) & -393 (11) & 1832 (9) & 66 (8) \\ (242) & 2775 (22) & -393 (11) & 1832 (9) & 66 (8) \\ (241) & 3180 (22) & -1474 (11) & 1872 (9) & 118 (14) \\ (241) & 478 (17) & 2106 (15) & 4479 (11) (13) \\ (244) & 478 (17) & 2106 (15) & 4479 (11) (13) \\ (245) & 4797 (22) & -1542 (11) & 1033 (9) & 94 (11) \\ (241) & 478 (17) & 2106 (15) &$	C(23)	-105 (55)	1604 (42)	- 967 (10)	107 (24)
	C(24)	-1195 (52)	1004 (43)	-803 (28)	192 (24)
$ \begin{array}{ccccc} C(13) & -2940 (56) & 415 (39) & 644 (22) & 171 (21) \\ C(14) & -5459 (32) & 3409 (39) & 5848 (26) & 181 (32) \\ C(4) & -1310 (27) & 609 (22) & 2472 (13) & 106 (12) \\ C(4) & -782 (11) & 1088 (9) & 1796 (5) & 123 (9) \\ C(5) & -457 (15) & -788 (9) & 2546 (7) & 163 (11) \\ C(5) & -2995 (11) & 893 (12) & 2580 (6) & 151 (10) \\ C(3) & 3222 (30) & 5601 (18) & 7464 (16) & 90 (11) \\ C(11) & 4535 (12) & 5860 (12) & 7582 (5) & 147 (10) \\ C(12) & 3682 (14) & 4234 (10) & 7529 (7) & 166 (12) \\ C(13) & 2880 (10) & 6066 (9) & 6786 (5) & 121 (8) \\ P(1) & 655 (7) & 3489 (5) & 3615 (3) & 49 (4) \\ P(2) & 178 (7) & 1383 (5) & 3655 (3) & 47 (4) \\ C(51) & 1906 (15) & 639 (13) & 3695 (8) & 42 (6) \\ C(52) & 2351 (15) & 483 (13) & 4197 (8) & 81 (10) \\ C(53) & 3684 (15) & -42 (13) & 3230 (8) & 122 (13) \\ C(55) & 4127 (15) & -254 (13) & 3230 (8) & 125 (14) \\ C(56) & 2794 (15) & 270 (13) & 3212 (8) & 86 (10) \\ C(511) & -630 (16) & 490 (11) & 3391 (8) & 653 (8) \\ C(512) & -1953 (16) & 839 (11) & 3891 (8) & 653 (8) \\ C(512) & -1953 (16) & 839 (11) & 3891 (8) & 653 (8) \\ C(513) & -248 (16) & 190 (11) & 4376 (8) & 654 (8) \\ C(514) & -2020 (16) & -808 (11) & 4338 (8) & 60 (8) \\ C(514) & -2020 (16) & -808 (11) & 4338 (8) & 60 (8) \\ C(514) & -2020 (16) & -808 (11) & 4338 (8) & 60 (8) \\ C(514) & -2020 (16) & -808 (11) & 4338 (8) & 60 (8) \\ C(515) & -697 (16) & -1157 (11) & 4376 (8) & 654 (8) \\ C(61) & -94 (21) & 4905 (12) & 3952 (9) & 95 (11) \\ C(63) & -1379 (21) & 6512 (12) & 3122 (9) & 113 (13) \\ C(64) & -1322 (21) & 7070 (12) & 3525 (9) & 95 (11) \\ C(61) & -94 (21) & 5463 (12) & 3998 (9) & 86 (10) \\ C(61) & -94 (21) & 5463 (12) & 3998 (9) & 86 (10) \\ C(61) & -303 (17) & 2907 (15) & 3541 (8) & 82 (10) \\ C(61) & -303 (17) & 2907 (15) & 3541 (8) & 82 (10) \\ C(61) & -303 (17) & 2907 (15) & 3541 (8) & 82 (10) \\ C(61) & -3048 (17) & 2163 (15) & 1748 (8) & 107 (12) \\ C(61) & 3303 (17) & 2907 (15) & 3541 (8) & 82 (10) \\ C(61) & -3048 (17) & 2163 (15) & 1748 (8) & 107 (12) \\ C(61) & 3202 (17) & 3136 (15) & 4475 (8) & 63 (8) \\ P(4) & 2778 (7) & 1$		-304/(44)	4557 (25)	5934 (17)	127 (15)
$\begin{array}{ccccc} C(14) & -4038 (34) & 2857 (25) & 5976 (17) & 118 (14) \\ -5459 (32) & 3409 (39) & 5848 (26) & 181 (23) \\ C(4) & -782 (11) & 1088 (9) & 1796 (5) & 123 (9) \\ C(5) & -457 (15) & -788 (9) & 2546 (7) & 163 (11) \\ C(6) & -2995 (11) & 893 (12) & 2580 (6) & 151 (10) \\ C(1) & 4535 (12) & 5860 (12) & 7582 (5) & 147 (10) \\ C(1) & 4535 (12) & 5860 (12) & 7582 (5) & 147 (10) \\ C(1) & 4535 (12) & 5860 (12) & 7582 (5) & 147 (10) \\ C(2) & 3682 (14) & 4234 (10) & 7529 (7) & 166 (12) \\ C(3) & 3222 (30) & 6501 (18) & 7464 (16) & 90 (11) \\ C(1) & 656 (7) & 3489 (5) & 3615 (3) & 49 (4) \\ P(2) & 178 (7) & 1383 (5) & 3656 (3) & 47 (4) \\ P(2) & 178 (7) & 1383 (5) & 3656 (3) & 47 (4) \\ P(2) & 178 (7) & 1383 (5) & 3656 (3) & 47 (4) \\ P(2) & 178 (7) & 1383 (5) & 3656 (3) & 47 (4) \\ C(51) & 1906 (15) & 639 (13) & 3695 (8) & 42 (6) \\ C(52) & 2351 (15) & 483 (13) & 4197 (8) & 81 (10) \\ C(54) & 4572 (15) & -411 (13) & 3732 (8) & 112 (13) \\ C(55) & 4127 (15) & -254 (13) & 3200 (8) & 125 (14) \\ C(51) & -630 (16) & 490 (11) & 3929 (8) & 73 (6) \\ C(512) & -1953 (16) & 839 (11) & 3389 (18) & 63 (8) \\ C(513) & -2648 (16) & 190 (11) & 4096 (8) & 76 (9) \\ C(514) & -2020 (16) & -808 (11) & 4338 (8) & 600 (8) \\ C(515) & -27 (16) & -508 (11) & 4337 (8) & 688 (8) \\ C(515) & -27 (16) & -508 (11) & 4376 (8) & 688 (8) \\ C(516) & -27 (16) & -508 (11) & 4376 (8) & 688 (8) \\ C(516) & -27 (16) & -508 (11) & 4376 (8) & 68 (8) \\ C(516) & -37 (21) & 5463 (12) & 3998 (9) & 67 (8) \\ C(612) & 3303 (17) & 2907 (15) & 3541 (8) & 107 (12) \\ C(614) & 4405 (17) & 2610 (15) & 4319 (8) & 96 (12) \\ C(615) & 3202 (17) & 2862 (15) & 1384 (3) & 50 (4) \\ P(4) & 2778 (7) & 1517 (6) & 1388 (3) & 50 (4) \\ P(4) & 2778 (7) & 1517 (6) & 1388 (3) & 50 (4) \\ P(4) & 2778 (7) & 1517 (6) & 1388 (3) & 50 (4) \\ P(4) & 2778 (7) & 1517 (6) & 1388 (3) & 50 (4) \\ P(4) & 2778 (7) & 1517 (6) & 1388 (3) & 50 (4) \\ P(4) & 2778 (7) & 1517 (6) & 1388 (3) & 50 (4) \\ P(4) & 2778 (7) & 1517 (6) & 1388 (3) & 50 (4) \\ P(4) & 2778 (7) & 1517 (6) & 1388 (3) & 50 (4) \\ P(4) & 2778 (7) & 1517 (6) & $	C(12)	-2946 (56)	4157 (39)	6447 (22)	171 (21)
$\begin{array}{llllllllllllllllllllllllllllllllllll$	C(13)	-4038 (34)	2857 (25)	5976 (17)	118 (14)
$\begin{array}{llllllllllllllllllllllllllllllllllll$	C(14)	-5459 (32)	3409 (39)	5848 (26)	181 (23)
$\begin{array}{llllllllllllllllllllllllllllllllllll$	C(4)	-1310 (27)	609 (22)	2472 (13)	106 (12)
$\begin{array}{llllllllllllllllllllllllllllllllllll$	CI(4)	-782 (11)	1088 (9)	1796 (5)	123 (9)*
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	CI(5)	-457 (15)	-788 (9)	2546 (7)	163 (11)*
$\begin{array}{cccccc} C(3) & 3222 (30) & 5601 (18) & 7464 (16) & 90 (11) \\ Cl(1) & 4335 (12) & 5860 (12) & 7582 (5) & 147 (10) \\ Cl(2) & 3682 (14) & 4234 (10) & 7529 (7) & 1666 (12) \\ Cl(3) & 2880 (10) & 6066 (9) & 6786 (5) & 121 (89) \\ P(1) & 656 (7) & 3489 (5) & 3615 (3) & 49 (4Y) \\ P(2) & 178 (7) & 1383 (5) & 3655 (8) & 42 (6) \\ C(52) & 2351 (15) & 483 (13) & 4197 (8) & 81 (10) \\ C(51) & 1906 (15) & 639 (13) & 3695 (8) & 42 (6) \\ C(52) & 2351 (15) & 483 (13) & 4197 (8) & 81 (10) \\ C(53) & 3684 (15) & -42 (13) & 4216 (8) & 97 (11) \\ C(54) & 4572 (15) & -254 (13) & 3230 (8) & 125 (14) \\ C(56) & 2794 (15) & 270 (13) & 3212 (8) & 86 (10) \\ C(511) & -630 (16) & 490 (11) & 3299 (8) & 77 (6) \\ C(512) & -1953 (16) & 839 (11) & 3381 (8) & 60 (8) \\ C(513) & -2648 (16) & 190 (11) & 4096 (8) & 76 (9) \\ C(514) & -2020 (16) & -808 (11) & 4338 (8) & 60 (8) \\ C(516) & -2 (16) & -508 (11) & 4171 (8) & 67 (8) \\ C(61) & -94 (21) & 4905 (12) & 3595 (9) & 67 (8) \\ C(61) & -94 (21) & 5429 (12) & 3157 (9) & 93 (11) \\ C(63) & -1379 (21) & 6512 (12) & 3122 (9) & 113 (13) \\ C(64) & -1322 (21) & 7070 (12) & 3525 (9) & 122 (14) \\ C(65) & -371 (21) & 5463 (12) & 3998 (9) & 86 (10) \\ C(611) & 2099 (17) & 3138 (15) & 3941 (8) & 82 (10) \\ C(611) & 4456 (17) & 2633 (15) & 3748 (8) & 107 (12) \\ C(613) & 4456 (17) & 2633 (15) & 3748 (8) & 107 (12) \\ C(613) & 4456 (17) & 2633 (15) & 3748 (8) & 107 (12) \\ C(614) & 2049 (17) & 3136 (15) & 4475 (8) & 63 (8) \\ P(3) & 217 (6) & 3520 (17) & 2862 (15) & 4684 (8) & 82 (10) \\ C(614) & 2049 (17) & 3136 (15) & 4475 (8) & 63 (8) \\ P(4) & 2778 (7) & 1517 (6) & 1338 (3) & 50 (4Y) \\ P(4) & 2778 (7) & 1517 (6) & 1338 (3) & 50 (4Y) \\ P(4) & 2778 (7) & 1517 (6) & 1338 (3) & 50 (4Y) \\ C(41) & 3382 (21) & -164 (11) & 993 (9) & 94 (11) \\ C(413) & 5881 (17) & 2362 (15) & 1244 (9) & 104 (12) \\ C(414) & 4780 (17) & 2132 (15) & 315 (9) & 101 (13) \\ C(413) & 5816 (12) & 6510 (12) & 821 (8) & 56 (7) \\ C(33) & -2466 (14) & 5150 (12) & 821 (8) & 56 (7) \\ C(33) & -2466 (14) & 5150 (12) & 821 (8) & 56 (7) \\ C(31) & -2245 (14) & 4180 $	C1(6)	-2995 (11)	893 (12)	2580 (6)	151 (10)*
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	C(3)	3222 (30)	5601 (18)	7464 (16)	90 (11)*
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ciú	4535 (12)	5860 (12)	7582 (5)	147 (10)*
$\begin{array}{c} C(3) & 502 (17) & 125 (15) & 125 (17) & 162 (18) \\ C(3) & 2880 (10) & 6066 (9) & 6786 (5) & 121 (8) \\ P(1) & 656 (7) & 3489 (5) & 3615 (3) & 49 (4) \\ P(2) & 178 (7) & 1383 (5) & 3656 (3) & 47 (4) \\ C(51) & 1906 (15) & 639 (13) & 3695 (8) & 42 (6) \\ C(52) & 2351 (15) & 483 (13) & 4197 (8) & 81 (10) \\ C(53) & 3684 (15) & -42 (13) & 4216 (8) & 97 (11) \\ C(54) & 4572 (15) & -411 (13) & 3732 (8) & 112 (13) \\ C(55) & 4127 (15) & -254 (13) & 3210 (8) & 125 (14) \\ C(56) & 2794 (15) & 270 (13) & 3212 (8) & 86 (10) \\ C(512) & -1953 (16) & 839 (11) & 3929 (8) & 37 (6) \\ C(512) & -1953 (16) & 839 (11) & 4391 (8) & 63 (8) \\ C(513) & -2648 (16) & 190 (11) & 4096 (8) & 76 (9) \\ C(514) & -2020 (16) & -808 (11) & 4338 (8) & 60 (8) \\ C(515) & -697 (16) & -1157 (11) & 4376 (8) & 68 (8) \\ C(515) & -697 (16) & -1157 (11) & 4376 (8) & 68 (8) \\ C(516) & -24 (21) & 5429 (12) & 3157 (9) & 93 (11) \\ C(63) & -1379 (21) & 6512 (12) & 3525 (9) & 122 (14) \\ C(65) & -651 (21) & 6545 (12) & 3962 (9) & 95 (11) \\ C(661) & -302 (17) & 2643 (12) & 3982 (9) & 86 (10) \\ C(611) & 2099 (17) & 3158 (15) & 3905 (8) & 622 (8) \\ C(612) & 3303 (17) & 2907 (15) & 3544 (8) & 82 (10) \\ C(613) & 3202 (17) & 2610 (15) & 4319 (8) & 96 (12) \\ C(614) & 4405 (17) & 2613 (15) & 3748 (8) 107 (12) \\ C(614) & 4405 (17) & 2613 (15) & 3748 (8) & 107 (12) \\ C(614) & 4405 (17) & 2613 (15) & 3748 (8) & 207 (10) \\ C(615) & 3202 (17) & 2862 (15) & 4458 (18) & 22 (10) \\ C(615) & 3202 (17) & 2862 (15) & 4458 (18) & 22 (10) \\ C(615) & 3202 (17) & 2862 (15) & 4458 (18) & 20 (10) \\ C(41) & 3180 (22) & -1474 (11) & 1872 (9) & 118 (14) \\ C(44) & 4393 (22) & -1674 (11) & 1932 (9) & 66 (8) \\ C(42) & 2775 (22) & -393 (11) & 1383 (3) & 45 (4)' \\ P(4) & 2778 (7) & 1517 (6) & 1388 (3) & 50 (4)' \\ C(41) & 3180 (22) & -1474 (11) & 1872 (9) & 118 (14) \\ C(41) & 3180 (22) & -1474 (11) & 1872 (9) & 118 (14) \\ C(41) & 4382 (17) & 2378 (15) & 671 (9) & 101 (12) \\ C(413) & 5818 (17) & 2378 (15) & 671 (9) & 101 (12) \\ C(414) & 6362 (17) & 2378 (15) & 671 (9) & 91 (11) \\ C(415) & 5749 (17) $		3682 (14)	4234 (10)	7529 (7)	166 (12)*
$\begin{array}{c ccccc} 0.1 & 258 (10) & 0000 (9) & 0160 (9) & 121 (4) \\ P(1) & 656 (7) & 3489 (5) & 3615 (3) & 49 (4) \\ P(2) & 178 (7) & 1383 (5) & 3656 (3) & 47 (4) \\ C(51) & 1906 (15) & 639 (13) & 3695 (8) & 42 (6) \\ C(52) & 2351 (15) & 483 (13) & 4197 (8) & 81 (10) \\ C(53) & 3684 (15) & -42 (13) & 4216 (8) & 97 (11) \\ C(54) & 4572 (15) & -411 (13) & 3732 (8) & 112 (13) \\ C(55) & 2794 (15) & 270 (13) & 3212 (8) & 86 (10) \\ C(511) & -630 (16) & 490 (11) & 3929 (8) & 37 (6) \\ C(512) & -1953 (16) & 839 (11) & 3891 (8) & 638 (8) \\ C(513) & -2648 (16) & 190 (11) & 4376 (8) & 688 (8) \\ C(514) & -2020 (16) & -808 (11) & 4376 (8) & 668 (8) \\ C(516) & -24 (16) & -508 (11) & 4176 (8) & 687 (8) \\ C(61) & -94 (21) & 4905 (12) & 3595 (9) & 67 (8) \\ C(62) & -764 (21) & 5429 (12) & 3157 (9) & 93 (11) \\ C(63) & -1379 (21) & 6512 (12) & 3122 (9) & 113 (13) \\ C(64) & -1322 (21) & 7070 (12) & 3525 (9) & 122 (14) \\ C(65) & -651 (21) & 6545 (12) & 3998 (9) & 86 (10) \\ C(611) & 2099 (17) & 3158 (15) & 3905 (8) & 62 (8) \\ C(611) & 2099 (17) & 3156 (15) & 475 (8) & 633 (8) \\ P(3) & 217 (6) & 3620 (5) & 1338 (3) & 45 (4) \\ P(4) & 2778 (7) & 1517 (6) & 1388 (3) & 45 (4) \\ P(4) & 2778 (7) & 1517 (6) & 1388 (3) & 45 (4) \\ P(4) & 2778 (7) & 1517 (6) & 1388 (3) & 45 (4) \\ P(4) & 2778 (7) & 1517 (6) & 1388 (3) & 45 (4) \\ P(4) & 2778 (7) & 1517 (6) & 1388 (3) & 45 (4) \\ P(4) & 2778 (7) & 1517 (6) & 1388 (3) & 45 (4) \\ P(4) & 2778 (7) & 1517 (6) & 1388 (3) & 45 (4) \\ P(4) & 2778 (7) & 1517 (6) & 1388 (3) & 45 (4) \\ P(4) & 2778 (7) & 1517 (6) & 1388 (3) & 45 (4) \\ P(4) & 2778 (7) & 1517 (6) & 1388 (3) & 45 (4) \\ P(4) & 2778 (7) & 1517 (6) & 1388 (3) & 45 (4) \\ P(4) & 2778 (7) & 1517 (6) & 1388 (3) & 45 (4) \\ P(4) & 2778 (7) & 1517 (6) & 1388 (3) & 45 (4) \\ P(4) & 2778 (7) & 1517 (6) & 1388 (3) & 45 (4) \\ P(4) & 2778 (7) & 1517 (6) & 1388 (3) & 45 (4) \\ P(4) & 2778 (7) & 1517 (6) & 1388 (3) & 45 (4) \\ P(4) & 2778 (7) & 1517 (6) & 1388 (3) & 45 (4) \\ P(4) & 2778 (7) & 1517 (6) & 1388 (3) & 50 (4) \\ C(411) & 3382 (21) & -148 (11) & 1932 (9) & 66 (8) \\ C(4$		2880 (10)	6066 (0)	6786 (5)	171 (9)*
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	D(1)	2000 (10)	2490 (5)	2615 (2)	121 (6)
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	F(1) D(2)	178 (7)	3469 (3)	3013 (3)	49 (4)*
$\begin{array}{cccccc} C(52) & 2351 (15) & 639 (13) & 3695 (8) & 42 (6) \\ C(52) & 2351 (15) & 483 (13) & 4197 (8) & 81 (10) \\ C(53) & 3684 (15) & -42 (13) & 4216 (8) & 97 (11) \\ C(54) & 4572 (15) & -254 (13) & 3212 (8) & 86 (10) \\ C(51) & -630 (16) & 490 (11) & 3929 (8) & 37 (6) \\ C(51) & -630 (16) & 490 (11) & 3929 (8) & 77 (6) \\ C(512) & -1953 (16) & 839 (11) & 3891 (8) & 63 (8) \\ C(513) & -2648 (16) & 190 (11) & 4096 (8) & 76 (9) \\ C(514) & -2020 (16) & -808 (11) & 4338 (8) & 60 (8) \\ C(515) & -27 (16) & -1157 (11) & 4376 (8) & 688 (8) \\ C(516) & -2 (16) & -508 (11) & 4171 (8) & 67 (8) \\ C(61) & -94 (21) & 4905 (12) & 3595 (9) & 67 (8) \\ C(61) & -94 (21) & 4905 (12) & 3157 (9) & 93 (11) \\ C(63) & -1379 (21) & 6512 (12) & 3122 (9) & 113 (13) \\ C(64) & -1322 (21) & 7070 (12) & 3525 (9) & 222 (14) \\ C(66) & -37 (21) & 5463 (12) & 3998 (9) & 86 (10) \\ C(611) & 2099 (17) & 3138 (15) & 3905 (8) & 62 (8) \\ C(612) & 3303 (17) & 2907 (15) & 3544 (8) & 107 (12) \\ C(614) & 4405 (17) & 2633 (15) & 3748 (8) & 107 (12) \\ C(614) & 4405 (17) & 2610 (15) & 4475 (8) & 63 (8) \\ P(3) & 217 (6) & 3620 (5) & 1338 (3) & 45 (4)^{4} \\ P(4) & 2778 (7) & 1517 (6) & 1388 (3) & 45 (4)^{4} \\ P(4) & 2778 (7) & 1517 (6) & 1388 (3) & 45 (4)^{4} \\ P(4) & 2778 (7) & 1517 (6) & 1388 (3) & 45 (4)^{4} \\ C(41) & 3382 (21) & 113 (11) & 1392 (9) & 66 (8) \\ C(42) & 2775 (22) & -393 (11) & 1832 (9) & 87 (10) \\ C(41) & 382 (21) & 113 (11) & 1392 (9) & 66 (8) \\ C(42) & 2775 (22) & -1542 (11) & 1033 (9) & 98 (11) \\ C(41) & 4175 (17) & 1856 (15) & 1106 (9) & 66 (8) \\ C(412) & 4788 (17) & 2136 (15) & 4474 (18) & 93 (19) \\ C(413) & 5881 (17) & 2362 (15) & 1244 (9) & 101 (13) \\ C(414) & 6362 (17) & 2378 (15) & 671 (9) & 101 (12) \\ C(415) & 5749 (17) & 2132 (15) & 513 (19) & 91 (11) \\ C(414) & 6362 (17) & 2378 (15) & 671 (9) & 101 (12) \\ C(415) & 5749 (17) & 2132 (15) & 513 (19) & 91 (11) \\ C(414) & 6362 (17) & 2378 (15) & 671 (9) & 101 (12) \\ C(415) & 5749 (17) & 2132 (15) & 513 (19) & 91 (11) \\ C(31) & -1225 (14) & 4180 (12) & 1116 (8) & 86 (7) \\ C(32) & -1333 (14) &$	P(2)	1/8(/)	1383 (5)	3030 (3)	47(4)*
$\begin{array}{llllllllllllllllllllllllllllllllllll$	C(S1)	1906 (15)	639 (13)	3695 (8)	42 (6)
$\begin{array}{ccccc} C(53) & 3684 (15) & -42 (13) & 4216 (8) & 97 (11) \\ C(54) & 4572 (15) & -411 (13) & 3732 (8) & 112 (13) \\ C(55) & 4127 (15) & -254 (13) & 3230 (8) & 125 (14) \\ C(56) & 2794 (15) & 270 (13) & 3212 (8) & 86 (10) \\ C(511) & -630 (16) & 490 (11) & 3929 (8) & 37 (6) \\ C(512) & -1953 (16) & 839 (11) & 3891 (8) & 63 (8) \\ C(513) & -2648 (16) & 190 (11) & 4096 (8) & 76 (9) \\ C(514) & -2020 (16) & -808 (11) & 4336 (8) & 60 (8) \\ C(515) & -697 (16) & -1157 (11) & 4376 (8) & 688 (8) \\ C(516) & -94 (21) & 4905 (12) & 3595 (9) & 67 (8) \\ C(62) & -764 (21) & 5429 (12) & 3157 (9) & 93 (11) \\ C(63) & -1379 (21) & 6512 (12) & 3152 (9) & 113 (13) \\ C(64) & -1322 (21) & 7070 (12) & 3525 (9) & 122 (14) \\ C(65) & -651 (21) & 6545 (12) & 3996 (9) & 86 (10) \\ C(611) & 2099 (17) & 3158 (15) & 3905 (8) & 62 (8) \\ C(612) & 3103 (17) & 2907 (15) & 3544 (8) & 82 (10) \\ C(613) & 4456 (17) & 2633 (15) & 3748 (8) & 107 (12) \\ C(614) & 4405 (17) & 2610 (15) & 4319 (8) & 96 (12) \\ C(616) & 2049 (17) & 3136 (15) & 4475 (8) & 63 (8) \\ P(3) & 217 (6) & 3620 (5) & 1338 (3) & 45 (44)^{9} \\ P(4) & 2778 (7) & 1517 (6) & 1388 (3) & 50 (44)^{7} \\ C(41) & 3382 (21) & 113 (11) & 1392 (9) & 66 (8) \\ C(42) & 2775 (22) & -393 (11) & 1832 (9) & 87 (10) \\ C(41) & 3180 (22) & -1474 (11) & 1872 (9) & 118 (14) \\ C(44) & 4190 (22) & -2048 (11) & 1473 (9) & 110 (13) \\ C(45) & 4797 (22) & -1542 (11) & 1033 (9) & 98 (11) \\ C(411) & 4175 (17) & 1856 (15) & 1106 (9) & 66 (8) \\ C(412) & 4788 (17) & 2101 (15) & 1461 (9) & 81 (10) \\ C(413) & 5811 (17) & 2362 (15) & 1244 (9) & 100 (13) \\ C(414) & 6362 (17) & 2378 (15) & 671 (9) & 101 (12) \\ C(414) & 6362 (17) & 2378 (15) & 671 (9) & 101 (12) \\ C(415) & 5749 (17) & 2132 (15) & 315 (9) & 101 (12) \\ C(414) & 6362 (17) & 2378 (15) & 671 (9) & 100 (12) \\ C(415) & 5749 (17) & 2132 (15) & 513 (19) & 101 (12) \\ C(414) & 6362 (17) & 2378 (15) & 671 (9) & 101 (12) \\ C(415) & 5749 (17) & 2132 (15) & 513 (19) & 90 (11) \\ C(31) & -1225 (14) & 4329 (14) & 2299 (16) & 65 (8) \\ C(311) & -1246 (18) & 4349 (14) & 1299 (10) & 65 $	C(52)	2351 (15)	483 (13)	4197 (8)	81 (10)
$\begin{array}{llllllllllllllllllllllllllllllllllll$	C(53)	3684 (15)	-42 (13)	4216 (8)	97 (11)
$\begin{array}{llllllllllllllllllllllllllllllllllll$	C(54)	4572 (15)	-411 (13)	3732 (8)	112 (13)
$\begin{array}{llllllllllllllllllllllllllllllllllll$	C(55)	4127 (15)	-254 (13)	3230 (8)	125 (14)
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	C(56)	2794 (15)	270 (13)	3212 (8)	86 (10)
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	C(511)	-630 (16)	490 (11)	3929 (8)	37 (6)
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	C(512)	-1953 (16)	839 (11)	3891 (8)	63 (8)
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	C(513)	-2648 (16)	190 (11)	4096 (8)	76 (9)
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	C(514)	-2020(16)	-808 (11)	4338 (8)	60 (8)
$\begin{array}{cccc} C(516) & -2 (16) & -508 (11) & 4171 (8) & 67 (8) \\ C(61) & -94 (21) & 4905 (12) & 3595 (9) & 67 (8) \\ C(62) & -764 (21) & 5429 (12) & 3157 (9) & 93 (11 \\ C(63) & -1379 (21) & 6512 (12) & 3122 (9) & 113 (13 \\ C(64) & -1322 (21) & 7070 (12) & 3525 (9) & 122 (14 \\ C(65) & -651 (21) & 6545 (12) & 3962 (9) & 95 (11 \\ C(66) & -37 (21) & 5463 (12) & 39905 (8) & 62 (8) \\ C(612) & 3303 (17) & 2907 (15) & 3544 (8) & 82 (10 \\ C(613) & 4456 (17) & 2633 (15) & 3748 (8) & 107 (12 \\ C(613) & 4456 (17) & 2633 (15) & 4319 (8) & 96 (12 \\ C(615) & 3202 (17) & 2862 (15) & 4684 (8) & 82 (10 \\ C(616) & 2049 (17) & 3136 (15) & 4475 (8) & 63 (8) \\ P(3) & 217 (6) & 3620 (5) & 1338 (3) & 50 (4)' \\ C(41) & 3382 (21) & 113 (11) & 1392 (9) & 66 (8) \\ C(42) & 2775 (22) & -393 (11) & 1832 (9) & 87 (10 \\ C(43) & 3180 (22) & -1474 (11) & 1872 (9) & 118 (14 \\ C(44) & 4190 (22) & -2048 (11) & 1473 (9) & 110 (13 \\ C(43) & 3180 (22) & -1474 (11) & 1872 (9) & 118 (14 \\ C(44) & 4190 (22) & -2048 (11) & 1033 (9) & 98 (11) \\ C(413) & 5881 (17) & 2132 (15) & 1461 (9) & 81 (10 \\ C(413) & 5881 (17) & 2132 (15) & 1244 (9) & 104 (12 \\ C(414) & 6362 (17) & 2378 (15) & 671 (9) & 101 (12 \\ C(414) & 6362 (17) & 2132 (15) & 315 (9) & 101 (12 \\ C(414) & 6362 (17) & 2132 (15) & 315 (9) & 101 (12 \\ C(414) & 6362 (17) & 2138 (15) & 671 (9) & 101 (12 \\ C(414) & 6362 (17) & 2138 (15) & 671 (9) & 101 (12 \\ C(414) & 6362 (17) & 2138 (15) & 671 (9) & 101 (12 \\ C(414) & 6362 (17) & 2138 (15) & 513 (9) & 90 (11 \\ C(31) & -1225 (14) & 4521 (12) & 1074 (8) & 56 (7) \\ C(32) & -1335 (14) & 5510 (12) & 821 (8) & 56 (7) \\ C(33) & -2466 (14) & 5157 (12) & 610 (8) & 108 (12 \\ C(34) & -3486 (14) & 5816 (12) & 652 (8) & 70 (9) \\ C(35) & -3376 (14) & 4828 (12) & 905 (8) & 64 (8) \\ C(311) & 1264 (18) & 4349 (14) & 1299 (10) & 65 (8) \\ C(312) & 2017 (18) & 4523 (14) & 788 (10) & 87 (10) \\ C(313) & 2842 (18) & 5054 (14) & 775 (10) & 81 (10) \\ \end{array} \right)$	C(515)	-697 (16)	-1157(11)	4376 (8)	68 (8)
$\begin{array}{cccc} C(61) & -94 (21) & 4905 (12) & 3195 (9) & 67 (8) \\ C(62) & -764 (21) & 5429 (12) & 3157 (9) & 93 (11) \\ C(63) & -1379 (21) & 6512 (12) & 3122 (9) & 113 (13) \\ C(64) & -1322 (21) & 7070 (12) & 3525 (9) & 22 (14) \\ C(65) & -651 (21) & 6545 (12) & 3962 (9) & 95 (11) \\ C(66) & -37 (21) & 5463 (12) & 3998 (9) & 86 (10) \\ C(611) & 2099 (17) & 3138 (15) & 3905 (8) & 62 (8) \\ C(612) & 3303 (17) & 2907 (15) & 3541 (8) & 82 (10) \\ C(613) & 4456 (17) & 2633 (15) & 3748 (8) & 107 (12) \\ C(614) & 4405 (17) & 2610 (15) & 4319 (8) & 96 (12) \\ C(615) & 3202 (17) & 2862 (15) & 4684 (8) & 82 (10) \\ C(615) & 3202 (17) & 2862 (15) & 4684 (8) & 82 (10) \\ C(616) & 2049 (17) & 3136 (15) & 4475 (8) & 63 (8) \\ P(3) & 217 (6) & 3620 (5) & 1338 (3) & 50 (4)^{\circ} \\ C(41) & 3382 (21) & 113 (11) & 1392 (9) & 66 (8) \\ C(42) & 2775 (7) & 1517 (6) & 1388 (3) & 50 (4)^{\circ} \\ C(41) & 3382 (21) & -1474 (11) & 1872 (9) & 118 (14) \\ C(44) & 4190 (22) & -2048 (11) & 4473 (9) & 110 (13) \\ C(43) & 3180 (22) & -1474 (11) & 1872 (9) & 118 (14) \\ C(44) & 4190 (22) & -2048 (11) & 473 (9) & 99 (94 (11) \\ C(411) & 4175 (17) & 1856 (15) & 1106 (9) & 66 (8) \\ C(412) & 4788 (17) & 2101 (15) & 1461 (9) & 81 (10) \\ C(413) & 5881 (17) & 2362 (15) & 1244 (9) & 1004 (12) \\ C(414) & 6362 (17) & 2378 (15) & 671 (9) & 101 (12) \\ C(415) & 5749 (17) & 2132 (15) & 315 (9) & 101 (12) \\ C(414) & 6362 (17) & 1871 (15) & 533 (9) & 91 (11) \\ C(31) & -1225 (14) & 4521 (12) & 1074 (8) & 566 (7) \\ C(32) & -1335 (14) & 5516 (12) & 652 (8) & 70 (9) \\ C(35) & -3376 (14) & 4828 (12) & 905 (8) & 64 (8) \\ C(311) & 1264 (18) & 4349 (14) & 1299 (10) & 65 (8) \\ C(312) & 2017 (18) & 4523 (14) & 788 (10) & 87 (10) \\ C(313) & 2842 (18) & 5054 (14) & 757 (10) & 81 (10) \\ \end{array} \end{array}$	C(516)	-2(16)	-508 (11)	4171 (8)	67 (8)
$\begin{array}{ccccc} C(62) & -764 (21) & 492 (12) & 3157 (9) & 01 (8) \\ C(63) & -1379 (21) & 6512 (12) & 3122 (9) & 113 (13) \\ C(64) & -1322 (21) & 7070 (12) & 3525 (9) & 122 (14) \\ C(65) & -651 (21) & 6545 (12) & 3998 (9) & 86 (10) \\ C(611) & 2099 (17) & 3158 (15) & 3905 (8) & 62 (8) \\ C(612) & 3303 (17) & 2907 (15) & 3541 (8) & 82 (10) \\ C(613) & 4456 (17) & 2633 (15) & 3748 (8) & 107 (12) \\ C(614) & 4405 (17) & 2613 (15) & 4784 (8) & 107 (12) \\ C(614) & 4405 (17) & 2613 (15) & 4784 (8) & 82 (10) \\ C(615) & 3202 (17) & 2862 (15) & 4684 (8) & 82 (10) \\ C(616) & 2049 (17) & 3136 (15) & 4475 (8) & 63 (8) \\ P(3) & 217 (6) & 3620 (5) & 1338 (3) & 45 (4)^{9} \\ P(4) & 2778 (7) & 1517 (6) & 1388 (3) & 50 (4)^{4} \\ C(41) & 3382 (21) & 113 (11) & 1392 (9) & 66 (8) \\ C(42) & 2775 (22) & -393 (11) & 1832 (9) & 87 (10) \\ C(43) & 3180 (22) & -1474 (11) & 1872 (9) & 118 (14) \\ C(44) & 4190 (22) & -2048 (11) & 1473 (9) & 110 (13) \\ C(45) & 4797 (22) & -1542 (11) & 1033 (9) & 98 (11) \\ C(46) & 4393 (22) & -461 (11) & 933 (9) & 98 (11) \\ C(411) & 4175 (17) & 1856 (15) & 1106 (9) & 66 (8) \\ C(412) & 4788 (17) & 2101 (15) & 1461 (9) & 81 (10) \\ C(413) & 5811 (17) & 2362 (15) & 1244 (9) 1004 (12) \\ C(414) & 6362 (17) & 2378 (15) & 671 (9) & 101 (12) \\ C(415) & 5749 (17) & 2132 (15) & 513 (9) & 101 (12) \\ C(414) & 6362 (17) & 2378 (15) & 671 (9) & 101 (12) \\ C(415) & 5749 (17) & 2132 (15) & 513 (9) & 91 (11) \\ C(31) & -1225 (14) & 4521 (12) & 1074 (8) & 56 (7) \\ C(32) & -1333 (14) & 5510 (12) & 821 (8) & 56 (7) \\ C(33) & -3376 (14) & 4828 (12) & 905 (8) & 64 (8) \\ C(311) & 1264 (18) & 4399 (14) & 1299 (10) & 65 (8) \\ C(312) & 2017 (18) & 4523 (14) & 788 (10) & 87 (10) \\ C(313) & 2426 (18) & 5054 (14) & 757 (10) & 81 (10) \\ \end{array} $	C(61)	-94(21)	4005 (12)	3505 (0)	67 (8)
$\begin{array}{ccccc} C(62) & -1379 (21) & 5429 (12) & 5121 (2) & 3122 (9) & 113 (13) \\ C(64) & -1322 (21) & 7070 (12) & 3525 (9) & 122 (14) \\ C(65) & -651 (21) & 6545 (12) & 3962 (9) & 95 (11) \\ C(66) & -37 (21) & 5463 (12) & 3996 (9) & 86 (10) \\ C(611) & 2099 (17) & 3158 (15) & 3905 (8) & 62 (8) \\ C(612) & 3303 (17) & 2907 (15) & 3541 (8) & 82 (10) \\ C(613) & 4456 (17) & 2633 (15) & 3748 (8) & 107 (12) \\ C(614) & 4405 (17) & 2633 (15) & 4319 (8) & 96 (12) \\ C(615) & 3202 (17) & 2862 (15) & 4684 (8) & 82 (10) \\ C(615) & 3202 (17) & 2862 (15) & 4475 (8) & 63 (8) \\ P(3) & 217 (6) & 3620 (5) & 1338 (3) & 50 (4) \\ P(4) & 2778 (7) & 1517 (6) & 1388 (3) & 50 (4) \\ C(41) & 3382 (21) & 113 (11) & 1392 (9) & 66 (8) \\ C(42) & 2775 (22) & -393 (11) & 1832 (9) & 87 (10) \\ C(43) & 3180 (22) & -1474 (11) & 1872 (9) & 118 (14) \\ C(44) & 4190 (22) & -2048 (11) & 1473 (9) & 110 (13) \\ C(45) & 4797 (22) & -1542 (11) & 1033 (9) & 98 (11) \\ C(413) & 5881 (17) & 2136 (15) & 1461 (9) & 66 (8) \\ C(413) & 5881 (17) & 2132 (15) & 1244 (9) & 104 (12) \\ C(414) & 6362 (17) & 2378 (15) & 671 (9) & 101 (12) \\ C(414) & 6362 (17) & 2132 (15) & 1244 (9) & 104 (12) \\ C(414) & 6362 (17) & 2132 (15) & 315 (9) & 101 (12) \\ C(414) & 6362 (17) & 2138 (15) & 671 (9) & 101 (12) \\ C(414) & 6362 (17) & 1871 (15) & 533 (9) & 91 (11) \\ C(31) & -1225 (14) & 4521 (12) & 1074 (8) & 56 (7) \\ C(32) & -1335 (14) & 5510 (12) & 821 (8) & 56 (7) \\ C(33) & -2466 (14) & 5116 (12) & 610 (8) & 108 (12) \\ C(34) & -3486 (14) & 5816 (12) & 652 (8) & 70 (9) \\ C(35) & -3376 (14) & 4828 (12) & 905 (8) & 64 (8) \\ C(311) & 1264 (18) & 4349 (14) & 1299 (10) & 65 (8) \\ C(311) & 1264 (18) & 4349 (14) & 1299 (10) & 65 (8) \\ C(312) & 2017 (18) & 4523 (14) & 788 (10) & 87 (10) \\ C(313) & 2842 (18) & 5054 (14) & 775 (10) & 81 (10) \\ \end{array}$	C(67)	764 (21)	5420 (12)	3157 (0)	07(0)
$\begin{array}{ccccc} C(64) & -1322 (21) & 0512 (12) & 3122 (9) & 113 (13) \\ C(65) & -651 (21) & 6545 (12) & 3962 (9) & 95 (11) \\ C(66) & -37 (21) & 5463 (12) & 3998 (9) & 86 (10) \\ C(611) & 2099 (17) & 3138 (15) & 3905 (8) & 62 (8) \\ C(612) & 3303 (17) & 2907 (15) & 3541 (8) & 82 (10) \\ C(613) & 4456 (17) & 2630 (15) & 4319 (8) & 96 (12) \\ C(614) & 4405 (17) & 2610 (15) & 4319 (8) & 96 (12) \\ C(615) & 3202 (17) & 2862 (15) & 4684 (8) & 82 (10) \\ C(616) & 2049 (17) & 3136 (15) & 4475 (8) & 63 (8) \\ P(3) & 217 (6) & 3620 (5) & 1338 (3) & 50 (4)^{\prime} \\ C(41) & 3382 (21) & 113 (11) & 1392 (9) & 66 (8) \\ C(42) & 2775 (22) & -393 (11) & 1832 (9) & 87 (10) \\ C(43) & 3180 (22) & -1474 (11) & 1872 (9) & 118 (14) \\ C(44) & 4190 (22) & -2048 (11) & 4473 (9) & 110 (13) \\ C(45) & 4797 (22) & -1542 (11) & 1033 (9) & 98 (11) \\ C(411) & 4175 (17) & 1856 (15) & 1106 (9) & 66 (8) \\ C(412) & 4788 (17) & 2101 (15) & 1461 (9) & 81 (10) \\ C(413) & 5881 (17) & 2362 (15) & 1244 (9) & 104 (12) \\ C(414) & 6362 (17) & 2378 (15) & 671 (9) & 101 (12) \\ C(415) & 5749 (17) & 2132 (15) & 315 (9) & 101 (12) \\ C(414) & 6362 (17) & 1871 (15) & 533 (9) & 91 (11) \\ C(31) & -1225 (14) & 4521 (12) & 1074 (8) & 56 (7) \\ C(32) & -1335 (14) & 5510 (12) & 821 (8) & 56 (7) \\ C(33) & -3376 (14) & 4828 (12) & 905 (8) & 64 (8) \\ C(311) & 1264 (18) & 4349 (14) & 1299 (10) & 65 (8) \\ C(312) & 2017 (18) & 4523 (14) & 788 (10) & 87 (10) \\ C(313) & 2482 (18) & 5054 (14) & 775 (10) & 81 (10) \\ \end{array}$	C(02)	1270 (21)	512 (12)	3137 (9)	112 (12)
$\begin{array}{cccc} C(64) & -132 \ (21) & 1010 \ (12) & 3325 \ (9) & 122 \ (14) \\ C(66) & -37 \ (21) & 5454 \ (12) & 3998 \ (9) & 86 \ (10) \\ C(611) & 2099 \ (17) & 3158 \ (15) & 3905 \ (8) & 62 \ (8) \\ C(612) & 3303 \ (17) & 2907 \ (15) & 3541 \ (8) & 82 \ (10) \\ C(613) & 4456 \ (17) & 2633 \ (15) & 3748 \ (8) & 107 \ (12) \\ C(614) & 4405 \ (17) & 2610 \ (15) & 4319 \ (8) & 96 \ (12) \\ C(615) & 3202 \ (17) & 2862 \ (15) & 4684 \ (8) & 82 \ (10) \\ C(616) & 2049 \ (17) & 3136 \ (15) & 4475 \ (8) & 633 \ (8) \\ P(3) & 217 \ (6) & 3620 \ (5) & 1338 \ (3) & 454 \ (4)^{9} \\ P(4) & 2778 \ (7) & 1517 \ (6) & 1388 \ (3) & 50 \ (4)^{9} \\ C(42) & 2775 \ (22) & -393 \ (11) & 1832 \ (9) & 87 \ (10) \\ C(43) & 3180 \ (22) & -1474 \ (11) & 1872 \ (9) & 118 \ (14) \\ C(44) & 4190 \ (22) & -2048 \ (11) & 1473 \ (9) & 110 \ (13) \\ C(45) & 4797 \ (22) & -1542 \ (11) & 1933 \ (9) & 98 \ (11) \\ C(46) & 4393 \ (22) & -461 \ (11) & 993 \ (9) & 94 \ (11) \\ C(411) & 4175 \ (17) & 1856 \ (15) & 1106 \ (9) & 66 \ (8) \\ C(412) & 4788 \ (17) & 2136 \ (15) & 1244 \ (9) & 101 \ (12) \\ C(414) & 6362 \ (17) & 2378 \ (15) & 671 \ (9) & 101 \ (12) \\ C(414) & 6362 \ (17) & 2378 \ (15) & 671 \ (9) & 101 \ (12) \\ C(415) & 5749 \ (17) & 2132 \ (15) & 513 \ (9) & 101 \ (12) \\ C(414) & 6362 \ (17) & 2378 \ (15) & 671 \ (9) & 101 \ (12) \\ C(414) & 6362 \ (17) & 2378 \ (15) & 671 \ (9) & 101 \ (12) \\ C(415) & 5749 \ (17) & 2132 \ (15) & 513 \ (9) & 101 \ (12) \\ C(414) & 6362 \ (17) & 2378 \ (15) & 671 \ (9) & 101 \ (12) \\ C(414) & 6362 \ (17) & 2378 \ (15) & 671 \ (9) & 101 \ (12) \\ C(414) & 6362 \ (17) & 2378 \ (15) & 671 \ (9) & 101 \ (12) \\ C(414) & 6362 \ (17) & 2378 \ (15) & 671 \ (9) & 101 \ (12) \\ C(415) & 5749 \ (17) & 2132 \ (15) & 513 \ (9) & 101 \ (12) \\ C(31) & -1225 \ (14) & 4828 \ (12) & 905 \ (8) & 64 \ (8) \\ C(32) & -1333 \ (14) & 5510 \ (12) & 652 \ (8) & 70 \ (9) \\ C(35) & -3376 \ (14) & 4828 \ (12) & 905 \ (8) & 64 \ (8) \\ C(311) & 1264 \ (18) & 4349 \ (14) \ 1299 \ (10) \ 65 \ (8) \\ C(311) & 1264 \ (18) & 4349 \ (14) \ 1299 \ (10) \ 65 \ (8) \\ C$	C(03)	-1379 (21)	7070 (12)	3122 (9)	113 (13)
$\begin{array}{cccc} C(66) & -037 (21) & 5343 (12) & 3962 (9) & 95 (11) \\ C(66) & -37 (21) & 5443 (12) & 3998 (9) & 86 (10) \\ C(611) & 2099 (17) & 3158 (15) & 3905 (8) & 62 (8) \\ C(612) & 3303 (17) & 2907 (15) & 3544 (8) & 82 (10) \\ C(613) & 4456 (17) & 2633 (15) & 3748 (8) & 107 (12) \\ C(614) & 4405 (17) & 2610 (15) & 4319 (8) & 96 (12) \\ C(615) & 3202 (17) & 2862 (15) & 4684 (8) & 82 (10) \\ C(616) & 2049 (17) & 3136 (15) & 4475 (8) & 63 (8) \\ P(3) & 217 (6) & 3620 (5) & 1338 (3) & 50 (4) \\ P(4) & 2778 (7) & 1517 (6) & 1388 (3) & 50 (4) \\ P(4) & 2778 (7) & 1517 (6) & 1388 (3) & 50 (4) \\ C(41) & 3382 (21) & 113 (11) & 1392 (9) & 66 (8) \\ C(42) & 2775 (22) & -393 (11) & 1832 (9) & 87 (10) \\ C(43) & 3180 (22) & -1474 (11) & 1872 (9) & 118 (14) \\ C(44) & 4190 (22) & -2048 (11) & 1033 (9) & 98 (11) \\ C(45) & 4797 (22) & -1542 (11) & 1033 (9) & 98 (11) \\ C(413) & 5881 (17) & 2101 (15) & 146(19) & 81 (10) \\ C(413) & 5881 (17) & 2136 (15) & 1106 (9) & 66 (8) \\ C(412) & 4788 (17) & 2101 (15) & 1351 (9) & 101 (12) \\ C(414) & 6362 (17) & 2378 (15) & 671 (9) & 101 (12) \\ C(415) & 5749 (17) & 2132 (15) & 315 (9) & 101 (12) \\ C(414) & 6362 (17) & 1817 (15) & 533 (9) & 91 (11) \\ C(31) & -1225 (14) & 4521 (12) & 1074 (8) & 56 (7) \\ C(32) & -1335 (14) & 5510 (12) & 821 (8) & 56 (7) \\ C(33) & -2466 (14) & 5116 (12) & 652 (8) & 70 (9) \\ C(35) & -3376 (14) & 4828 (12) & 905 (8) & 644 (8) \\ C(311) & 1264 (18) & 4349 (14) & 1299 (10) & 65 (8) \\ C(312) & 2017 (18) & 4523 (14) & 788 (10) & 87 (10) \\ C(313) & 2424 (18) & 5054 (14) & 757 (10) & 81 (10) \\ \end{array}$	C(04)	-1322(21)	(545 (12)	3323 (9)	122(14)
$\begin{array}{cccc} C(60) & -3 & (21) & 5463 & (12) & 3998 & (9) & 86 & (10) \\ C(611) & 2099 & (17) & 3158 & (15) & 3905 & (8) & 62 & (8) \\ C(612) & 3303 & (17) & 2907 & (15) & 3541 & (8) & 82 & (10) \\ C(613) & 4456 & (17) & 2633 & (15) & 3748 & (8) & 107 & (12) \\ C(614) & 4405 & (17) & 2610 & (15) & 4319 & (8) & 96 & (12) \\ C(615) & 3202 & (17) & 2862 & (15) & 4684 & (8) & 82 & (10) \\ C(616) & 2049 & (17) & 3136 & (15) & 4475 & (8) & 63 & (8) \\ P(3) & 217 & (6) & 3620 & (5) & 1338 & (3) & 45 & (4)' \\ C(41) & 3382 & (21) & 113 & (11) & 1392 & (9) & 66 & (8) \\ C(42) & 2775 & (22) & -393 & (11) & 1832 & (9) & 87 & (10) \\ C(43) & 3180 & (22) & -1474 & (11) & 1872 & (9) & 118 & (14) \\ C(44) & 4190 & (22) & -2048 & (11) & 4473 & (9) & 110 & (13) \\ C(45) & 4797 & (22) & -1542 & (11) & 1033 & (9) & 98 & (11) \\ C(411) & 4175 & (17) & 1856 & (15) & 1106 & (9) & 66 & (8) \\ C(412) & 4788 & (17) & 2101 & (15) & 1461 & (9) & 81 & (10) \\ C(413) & 5749 & (17) & 2132 & (15) & 315 & (9) & 101 & (12) \\ C(414) & 6362 & (17) & 2378 & (15) & 671 & (9) & 101 & (12) \\ C(414) & 6362 & (17) & 2132 & (15) & 315 & (9) & 101 & (12) \\ C(415) & 5749 & (17) & 2132 & (15) & 315 & (9) & 101 & (12) \\ C(414) & 6362 & (17) & 8171 & (15) & 533 & (9) & 91 & (11) \\ C(31) & -1225 & (14) & 4521 & (12) & 1074 & (8) & 566 & (7) \\ C(32) & -1335 & (14) & 5510 & (12) & 821 & (8) & 566 & (7) \\ C(32) & -1335 & (14) & 5816 & (12) & 652 & (8) & 70 & (9) \\ C(35) & -3376 & (14) & 4828 & (12) & 905 & (8) & 64 & (8) \\ C(311) & 1264 & (18) & 4349 & (14) & 1299 & (10) & 65 & (8) \\ C(311) & 1264 & (18) & 4349 & (14) & 1299 & (10) & 65 & (8) \\ C(312) & 2017 & (18) & 4523 & (14) & 788 & (10) & 87 & (10) \\ C(313) & 2842 & (18) & 5054 & (14) & 757 & (10) & 81 & (10) \\ \end{array}$	C(05)	-051 (21)	6545 (12)	3962 (9)	95 (11)
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	C(66)	-3/(21)	5463 (12)	3998 (9)	86 (10)
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	C(611)	2099 (17)	3158 (15)	3905 (8)	62 (8)
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	C(612)	3303 (17)	2907 (15)	3541 (8)	82 (10)
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	C(613)	4456 (17)	2633 (15)	3748 (8)	107 (12)
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	C(614)	4405 (17)	2610 (15)	4319 (8)	96 (12)
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	C(615)	3202 (17)	2862 (15)	4684 (8)	82 (10)
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	C(616)	2049 (17)	3136 (15)	4475 (8)	63 (8)
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	P(3)	217 (6)	3620 (5)	1338 (3)	45 (4)*
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	P(4)	2778 (7)	1517 (6)	1388 (3)	50 (4)*
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	C(41)	3382 (21)	113 (11)	1392 (9)	66 (8)
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	C(42)	2775 (22)	-393(11)	1832 (9)	87 (10)
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	C(43)	3180 (22)	-1474(11)	1872 (9)	118 (14)
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	C(44)	4190 (22)	-2048(11)	1473 (9)	110 (13)
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	C(45)	4797 (22)	-1542(11)	1033 (9)	98 (11)
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	C(46)	4303 (22)	461 (11)	003(0)	94 (11)
$\begin{array}{ccccc} (-1, -7, -1, -2, 1, -7) & (-1, -7$	C(411)	4175 (17)	1856 (15)	1106 (0)	66 (9)
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	C(412)	41/3(1/)	2101 (15)	1461 (0)	00 (0)
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	C(412)	4/00(1/)	2101(13)	1401 (9)	81 (10) 104 (12)
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	C(413)	2001 (17)	2302(15)	1244 (9)	104 (12)
$\begin{array}{c} C(415) & 5/49(17) & 2152(15) & 315(9) & 10 (12\\ C(416) & 4656(17) & 1871(15) & 533(9) & 91(11\\ C(31) & -1225(14) & 4521(12) & 1074(8) & 56(7)\\ C(32) & -1335(14) & 5510(12) & 821(8) & 56(7)\\ C(33) & -2466(14) & 6157(12) & 610(8) & 108(12\\ C(34) & -3486(14) & 5816(12) & 652(8) & 70(9)\\ C(35) & -3376(14) & 4828(12) & 905(8) & 64(8)\\ C(36) & -2245(14) & 4180(12) & 1116(8) & 48(7)\\ C(311) & 1264(18) & 4349(14) & 1299(10) & 65(8)\\ C(312) & 2017(18) & 4523(14) & 788(10) & 87(10)\\ C(313) & 2842(18) & 5054(14) & 775(10) & 81(10) \\ \end{array}$	C(414)	0302(17)	2378(15)	0/1 (9)	101 (12)
$\begin{array}{ccccc} (-4(o) & -4(o)(c)(1) & 18(1(15) & 533(9) & 91(11)\\ C(31) & -1225(14) & 4521(12) & 1074(8) & 56(7)\\ C(32) & -1335(14) & 5510(12) & 821(8) & 56(7)\\ C(33) & -2466(14) & 6157(12) & 610(8) & 108(12)\\ C(34) & -3486(14) & 5816(12) & 652(8) & 70(9)\\ C(35) & -3376(14) & 4828(12) & 905(8) & 64(8)\\ C(36) & -2245(14) & 4180(12) & 1116(8) & 48(7)\\ C(311) & 1264(18) & 4349(14) & 1299(10) & 65(8)\\ C(312) & 2017(18) & 4523(14) & 788(10) & 87(10)\\ C(313) & 2842(18) & 5054(14) & 757(10) & 81(10) \end{array}$	C(415)	5/49(17)	2132 (15)	313 (9)	101 (12)
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	C(416)	4656 (17)	1871 (15)	533 (9)	91 (11)
$\begin{array}{cccccccc} C(32) & -1335 \ (14) & 5510 \ (12) & 821 \ (8) & 56 \ (7) \\ C(33) & -2466 \ (14) & 6157 \ (12) & 610 \ (8) & 108 \ (12) \\ C(34) & -3486 \ (14) & 5816 \ (12) & 652 \ (8) & 70 \ (9) \\ C(35) & -3376 \ (14) & 4828 \ (12) & 905 \ (8) & 64 \ (8) \\ C(36) & -2245 \ (14) & 4180 \ (12) & 1116 \ (8) & 48 \ (7) \\ C(311) & 1264 \ (18) & 4349 \ (14) & 1299 \ (10) & 65 \ (8) \\ C(312) & 2017 \ (18) & 4523 \ (14) & 788 \ (10) & 87 \ (10) \\ C(313) & 2482 \ (18) & 5054 \ (14) & 775 \ (10) & 81 \ (10) \\ \end{array}$	C(31)	-1225 (14)	4521 (12)	1074 (8)	56 (7)
$\begin{array}{cccccc} C(33) & -2466 (14) & 6157 (12) & 610 (8) & 108 (12) \\ C(34) & -3486 (14) & 5816 (12) & 652 (8) & 70 (9) \\ C(35) & -3376 (14) & 4828 (12) & 905 (8) & 64 (8) \\ C(36) & -2245 (14) & 4180 (12) & 1116 (8) & 48 (7) \\ C(311) & 1264 (18) & 4349 (14) & 1299 (10) & 65 (8) \\ C(312) & 2017 (18) & 4523 (14) & 788 (10) & 87 (10) \\ C(313) & 2842 (18) & 5054 (14) & 757 (10) & 81 (10) \\ \end{array}$	C(32)	-1335 (14)	5510(12)	821 (8)	56 (7)
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	C(33)	-2466 (14)	6157 (12)	610 (8)	108 (12)
$\begin{array}{ccccccc} C(35) & -3376 & (14) & 4828 & (12) & 905 & (8) & 64 & (8) \\ C(36) & -2245 & (14) & 4180 & (12) & 1116 & (8) & 48 & (7) \\ C(311) & 1264 & (18) & 4349 & (14) & 1299 & (10) & 65 & (8) \\ C(312) & 2017 & (18) & 4523 & (14) & 788 & (10) & 87 & (10) \\ C(313) & 2842 & (18) & 5054 & (14) & 757 & (10) & 81 & (10) \\ \end{array}$	C(34)	-3486 (14)	5816 (12)	652 (8)	70 (9)
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	C(35)	-3376 (14)	4828 (12)	905 (8)	64 (8)
C(311) 1264 (18) 4349 (14) 1299 (10) 65 (8) C(312) 2017 (18) 4523 (14) 788 (10) 87 (10) C(313) 2842 (18) 5054 (14) 757 (10) 81 (10)	C(36)	-2245 (14)	4180 (12)	1116 (8)	48 (7)
C(312) 2017 (18) 4523 (14) 788 (10) 87 (10) C(313) 2842 (18) 5054 (14) 757 (10) 81 (10)	C(311)	1264 (18)	4349 (14)	1299 (10)	65 (8)
C(313) 2842 (18) 5054 (14) 757 (10) 81 (10	C(312)	2017 (18)	4523 (14)	788 (10)	87 (10)
	C(313)	2842 (18)	5054 (14)	757 (10)	81 (10)

Table 1 (cont.)

	x	y	Ζ	$U_{\rm iso}$
C(314)	2914 (18)	5412 (14)	1237 (10)	85 (10)
C(315)	2161 (18)	5239 (14)	1748 (10)	117 (13)
C(316)	1336 (18)	4707 (14)	1779 (10)	92 (11)
*		<i>TT</i> C (1	• . • .	

* Equivalent values U_{eq} of the anisotropic-temperature-factor coefficients. $U_{eq} = \frac{1}{3}$ (trace of the orthogonalized U_{ij} tensor).

crystal used for data collection was mounted in a sealed capillary tube in the manner commonly used for proteins (Blundell & Johnson, 1976).

X-ray intensity data collected on a Nonius CAD-4 diffractometer, lattice parameters obtained from leastsquares refinement of 14 reflections ($4 < \theta < 13^{\circ}$). $(\sin\theta/\lambda)_{\text{max}} = 0.481 \text{ Å}^{-1} (2 \le \theta \le 20^\circ)$, range of h, k and $l \rightarrow 10, -13 \rightarrow 13$ and $-23 \rightarrow 23$. 7076 reflections including intensity controls measured, 5307 unique. Three standard reflections showed an intensity variation of 10817->8329, 14157->11908, 1417->959 with respective percentage decays of 23%, 16% and 32% over the 90 h exposure, giving an average decomposition of 24%. A linear correction for intensity fall-off based on the average of the decay of these three reflections was applied (North, Phillips & Mathews, 1968). $R_{int} =$ 0.0135, 1328 reflections with $I < 3\sigma(I)$ considered unobserved. Structure solved by Patterson and difference Fourier techniques. Least-squares refinement on |F|. H atoms not included in refinement. Following parameters refined: scale factor, x, y, z for all non-H atoms, isotropic temperature factors for all atoms except Pt, Co, Cl, P and S. Benzene rings refined as rigid groups and chloroform molecules restrained as were the C-N distances in the dithiocarbamate ligand. Final R = 0.0914, wR = 0.1144; w calculated from $1.0000/[\sigma^2(F) + 0.02743F^2].(\Delta/\sigma)_{max}$ in final cycle of refinement 0.0033. Max. and min. peak heights in final difference Fourier synthesis 4.2 and $-4.5 \text{ e} \text{ Å}^{-3}$, close to heavy-atom positions. We suggest this arises from the instability of the crystals. Atomic scattering factors from International Tables for X-ray Crystallography (1974). Programs used: SHELX76 (Sheldrick, 1976) for crystallographic calculations, PLUTO (Motherwell, 1978) for the diagram and FGEOM (M. J. Barrow, unpublished) for calculations of torsion angles, mean planes and interatomic distances.

Discussion. The final atomic parameters are given in Table 1.*

^{*} Lists of structure factors, anisotropic thermal parameters, intermolecular non-bonded distances, constrained data and results of a final refinement including an empirical absorption correction, together with diagrams giving all bond distances and angles have been deposited with the British Library Lending Division as Supplementary Publication No. SUP 39776 (59 pp.). Copies may be obtained through The Executive Secretary, International Union of Crystallography, 5 Abbey Square, Chester CH1 2HU, England.



Fig. 1. General view of the molecule showing the coordination of the Pt and Co atoms. The CHCl₃ solvate molecules have been omitted for clarity.



Fig. 2. Schematic diagram showing the numbering scheme of (a) the metal complex and (b) the solvate molecules. The three distal C atoms of the benzene rings have been omitted.

Table 2. Bond lengths (Å) and angles (°) about the Ptand Co atoms

The standard deviations of all the bond lengths lie between 0.007 (Pt-P) and 0.083 Å (C-C) with an average value of 0.02 Å. The standard deviations of all the angles lie between 0.3 (S-Pt-S) and 3° (N-C-C) with an average value of 1.3° .

Pt(1)-S(1)	2·381 (9)	Pt(2)-S(3)	2·374 (9)
Pt(1)-S(2)	2·361 (8)	Pt(2)-S(4)	2·383 (9)
Pt(1)-P(1)	2·229 (8)	Pt(2)-P(3)	2·252 (7)
Pt(1)-P(2)	2·258 (8)	Pt(2)-P(4)	2·250 (8)
Co(1)-O(1)	1.960 (22)	Co(1)O(3)	1·951 (18)
Co(1)-O(2)	1.970 (17)	Co(1)O(4)	1·954 (16)
S(1)-Pt(1)-S(2)	74.0 (3)	S(3)-Pt(2)-S(4)	73.9 (3)
P(1)-Pt(1)-P(2)	91.0 (3)	P(3)-Pt(2)-P(4)	91.1 (3)
S(1)-Pt(1)-P(1)	96.7 (3)	S(4)-Pt(2)-P(3)	98.2 (3)
S(2)-Pt(1)-P(2)	98.2 (3)	S(3)-Pt(2)-P(4)	97.0 (3)
O(1)-Co(1)-O(2	2) 100·9 (8)	O(1)-Co(1)-O(4) 110·9 (9)
O(3)-Co(1)-O(4	4) 101·1 (7)	O(2)-Co(1)-O(3) 117·1 (8)

The computer-generated drawing (Fig. 1) of this crystal structure shows that each of the Pt atoms is coordinated to two S atoms (from the dithiocarbamate portion of the molecule) and the two P atoms (from the diphenylphosphinito groups) in a square-planar arrangement. The complete atomic-numbering scheme is shown in Fig. 2. The bond lengths and angles about the metal atoms are given in Table 2. The Pt-S bond distances and the S-Pt-S bond angles are similar to those reported for the compound $Pt(S_2CNEt_2)_2$ (Amanov, Kukina & Porai-Koshits, 1967).

The r.m.s. deviations from the planes Pt(1),S(1),S(2),P(1),P(2) and Pt(2),S(3),S(4),P(3),P(4) are 0.07 and 0.08 Å respectively. The angle between the normals to the two Pt atom planes is 92 (1)°, giving a Pt-Co-Pt angle of 165 (1)°. The Co atom, which lies significantly out of both of these planes, is coordinated to two O atoms of each of the diphenylphosphinito ligands. The atoms Pt(1), P(1), P(2), O(1), O(2) and Pt(2), P(3), P(4), O(3), O(4) are non-planar and form distorted boats. The tetrahedral environment of the Co atom and the square-planar environment of the Pt atoms are in agreement with the spectral and magnetic data previously recorded for this compound.

Attempts to improve the refinement of the structure by applying an additional absorption-correction technique of Walker & Stuart (1983) led to a 2% decrease in agreement index but no significant change in the overall geometry. This final cycle of refinement has been deposited for reference but is not considered suitable for publication.* The data in the paper relate to the final cycle of refinement referred to in the *Experimental*.

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* See deposition footnote.

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