10.1071/CH01071_AC

Accessory Publication: Aust.J.Chem., 2003, 56(1), 39–44.

- SUPPLEMENTARY MATERIAL -

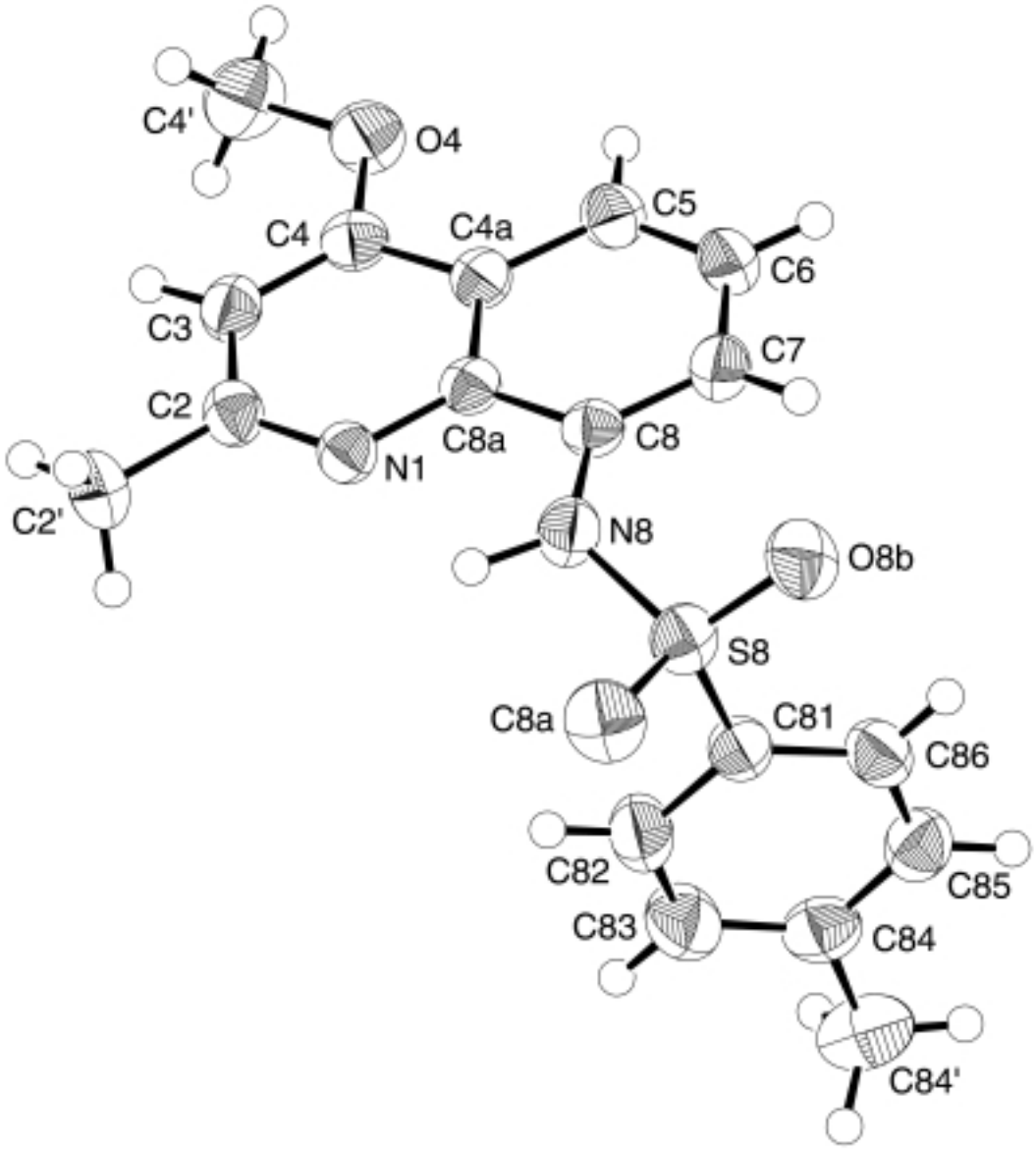
Figure S(2)

Table S(1) Crystallographic Information File for 4-methoxy isomer of $C_{18}H_{18}N_2O_3S$

Table S(2) Structure Factors for 4-methoxy isomer of $C_{18}H_{18}N_2O_3S$

Table S(3) Crystallographic Information File for 5-methoxy isomer of $C_{18}H_{18}N_2O_3S$

Table S(4) Structure Factors for 5-methoxy isomer of $C_{18}H_{18}N_2O_3S$


C4'
O4
C4
C4a
C5
C6
C3
C7
C2
C8a
C8
N1
C2'
N8
O8b
S8
C8a
C81
C86
C82
C85
C83
C84
C84'

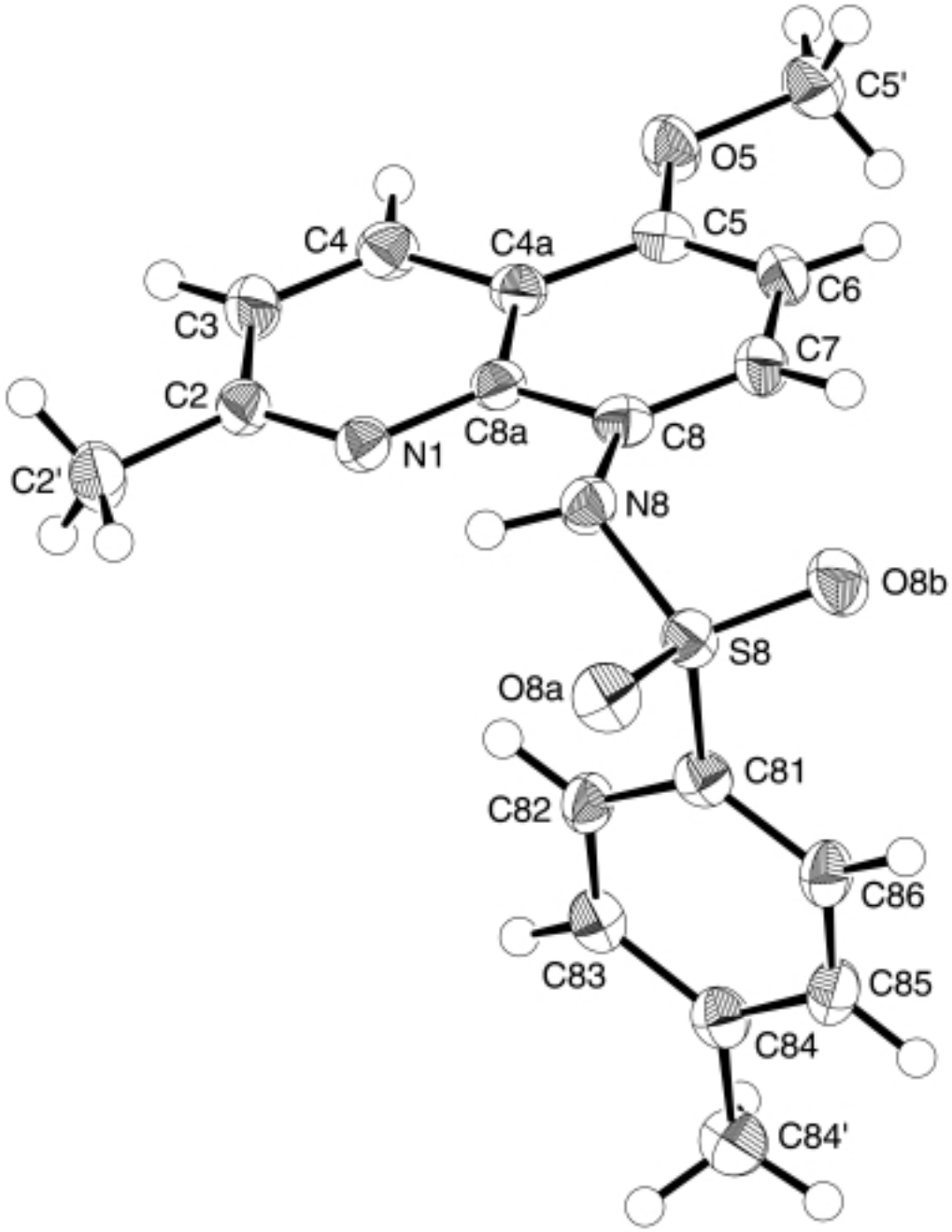

C5'
O5
C4
C4a
C5
C6
C3
C7
C2
C8a
C8
N1
C2'
N8
O8b
S8
O8a
C81
C82
C86
C83
C85
C84
C84'

Table S(1)
Crystallographic Information File for 4-methoxy isomer of $C_{18}H_{18}N_2O_3S$

```
#==============================================================================

data_[C18H18N2O3S] - 4-methoxy isomer

#==============================================================================

_computing_data_collection            'MSC/AFC Diffractometer Control'
_computing_cell_refinement            'MSC/AFC Diffractometer Control'
_computing_data_reduction
'teXsan for Windows version 1.05 (MSC, 1997)'
_computing_structure_solution
;
SIR92 (Altomare et. al., 1994)
;
_computing_structure_refinement       'SHELXL-97 (Sheldrick, 1997)'
_computing_publication_material
'teXsan for Windows version 1.05 (MSC, 1997)'

#------------------------------------------------------------------------------
_cell_length_a                         11.996(4)
_cell_length_b                         9.993(6)
_cell_length_c                         13.693(7)
_cell_angle_alpha                      90
_cell_angle_beta                       92.47(4)
_cell_angle_gamma                      90
_cell_volume                           1640(1)
_cell_formula_units_Z                  4
_cell_measurement_temperature          293
_cell_measurement_reflns_used          19
_cell_measurement_theta_min            19.0
_cell_measurement_theta_max            22.2
#------------------------------------------------------------------------------
_symmetry_cell_setting                 monoclinic
_symmetry_space_group_name_H-M        'P 21/c     '
_symmetry_Int_Tables_number            14
_symmetry_space_group_name_Hall        ?

loop_
_symmetry_equiv_pos_as_xyz
  '   +x,   +y,   +z'
  '   -x,1/2+y,1/2-z'
  '   -x,   -y,   -z'
  '   +x,1/2-y,1/2+z'
#------------------------------------------------------------------------------

_exptl_crystal_description            'block'
_exptl_crystal_colour                 'colourless'
_exptl_crystal_size_max                0.36
_exptl_crystal_size_mid                0.32
_exptl_crystal_size_min                0.16
_exptl_crystal_density_diffrn          1.387
_exptl_crystal_density_meas            'not measured'
_chemical_formula_weight               342.41
_chemical_formula_analytical           ?
_chemical_formula_sum                  'C18 H18 N2 O3 S '
_chemical_formula_moiety               'C18 H18 N2 O3 S '
_chemical_formula_structural           ?
_chemical_compound_source              ?
_exptl_crystal_F_000                   720
_exptl_absorpt_coefficient_mu          0.216
_exptl_absorpt_correction_type         none
_exptl_special_details
;
The scan width was (1.05+0.35tan\q)\% with an \w
scan speed of 32\% per minute
(up to 5 scans to achieve I/\s(I) > 20).
Stationary background counts were recorded at each end of the
scan, and the scan time:background time ratio was 2:1.
;

#==============================================================================

# EXPERIMENTAL DATA

_diffrn_special_details
;
 ?
```

```
;
_diffrn_ambient_temperature            293
_diffrn_radiation_wavelength           0.71069
_diffrn_radiation_type                 'Mo K\a'
_diffrn_radiation_source              'Rigaku rotating anode'
_diffrn_radiation_monochromator        graphite
_diffrn_radiation_detector            'scintillation counter'
_diffrn_measurement_device            'Rigaku AFC6R'
_diffrn_measurement_method            \w-2\q

_diffrn_standards_number              3
_diffrn_standards_interval_count      400
_diffrn_standards_decay_%             -3.5

loop_
_diffrn_standard_refln_index_h
_diffrn_standard_refln_index_k
_diffrn_standard_refln_index_l
      3       0      0
      2       1     -1
      1       1     -3
_diffrn_reflns_number                  4183
_reflns_number_total                   3782
_reflns_number_gt                      2030
_reflns_threshold_expression           I>2\s(I)
_diffrn_reflns_av_R_equivalents        0.036
_diffrn_reflns_av_sigmaI/netI          0.090
_diffrn_reflns_limit_h_min             0
_diffrn_reflns_limit_h_max             15
_diffrn_reflns_limit_k_min             0
_diffrn_reflns_limit_k_max             13
_diffrn_reflns_limit_l_min             -17
_diffrn_reflns_limit_l_max             17
_diffrn_reflns_theta_min               3.1
_diffrn_reflns_theta_max               27.6
_diffrn_reflns_reduction_process      'Lp corrections applied'
_diffrn_orient_matrix_UB_11            0.04625
_diffrn_orient_matrix_UB_12            0.07986
_diffrn_orient_matrix_UB_13           -0.01552
_diffrn_orient_matrix_UB_21            0.04166
_diffrn_orient_matrix_UB_22           -0.00917
_diffrn_orient_matrix_UB_23            0.06449
_diffrn_orient_matrix_UB_31            0.05556
_diffrn_orient_matrix_UB_32           -0.05961
_diffrn_orient_matrix_UB_33           -0.03072
#--------------------------------------------------------------------------------

loop_
 _atom_type_symbol
 _atom_type_description
 _atom_type_scat_dispersion_real
 _atom_type_scat_dispersion_imag
 _atom_type_scat_source
 'C'  'C'   0.0033   0.0016
 'International Tables Vol C Tables 4.2.6.8 and 6.1.1.4'
 'H'  'H'   0.0000   0.0000
 'International Tables Vol C Tables 4.2.6.8 and 6.1.1.4'
 'N'  'N'   0.0061   0.0033
 'International Tables Vol C Tables 4.2.6.8 and 6.1.1.4'
 'O'  'O'   0.0106   0.0060
 'International Tables Vol C Tables 4.2.6.8 and 6.1.1.4'
 'S'  'S'   0.1246   0.1234
 'International Tables Vol C Tables 4.2.6.8 and 6.1.1.4'

_refine_special_details
;
 Refinement of F^2^ against ALL reflections.  The weighted R-factor wR and
 goodness of fit S are based on F^2^, conventional R-factors R are based
 on F, with F set to zero for negative F^2^. The threshold expression of
 F^2^ > 2sigma(F^2^) is used only for calculating R-factors(gt) etc. and is
 not relevant to the choice of reflections for refinement.  R-factors based
 on F^2^ are statistically about twice as large as those based on F, and R-
 factors based on ALL data will be even larger.
;

_refine_ls_structure_factor_coef  Fsqd
_refine_ls_matrix_type            full
_refine_ls_weighting_scheme       calc
_refine_ls_weighting_details
 'calc w=1/[\s^2^(Fo^2^)+(0.0468P)^2^+1.0357P] where P=(Fo^2^+2Fc^2^)/3'
_atom_sites_solution_primary      direct
```

```
_atom_sites_solution_secondary    difmap
_atom_sites_solution_hydrogens    geom
_refine_ls_hydrogen_treatment     constr
_refine_ls_extinction_method      none
_refine_ls_extinction_coef        ?
_refine_ls_number_reflns          3782
_refine_ls_number_parameters      218
_refine_ls_number_restraints      0
_refine_ls_R_factor_all           0.151
_refine_ls_R_factor_gt            0.057
_refine_ls_wR_factor_ref          0.157
_refine_ls_wR_factor_gt           0.126
_refine_ls_goodness_of_fit_ref    1.03
_refine_ls_restrained_S_all       1.03
_refine_ls_shift/su_max           '<0.001'
_refine_ls_shift/su_mean          0.000

loop_
 _atom_site_label
 _atom_site_type_symbol
 _atom_site_fract_x
 _atom_site_fract_y
 _atom_site_fract_z
 _atom_site_U_iso_or_equiv
 _atom_site_adp_type
 _atom_site_occupancy
 _atom_site_symmetry_multiplicity
 _atom_site_calc_flag
 _atom_site_refinement_flags
 _atom_site_disorder_assembly
 _atom_site_disorder_group
S8 S -0.38323(7) 0.02029(9) 0.28910(6) 0.0433(2) Uani 1 1 d . . .
O4 O 0.22758(18) -0.0593(2) 0.40045(17) 0.0509(6) Uani 1 1 d . . .
O8B O -0.42315(18) -0.1074(2) 0.31851(17) 0.0544(7) Uani 1 1 d . . .
O8A O -0.44546(18) 0.1381(2) 0.30990(18) 0.0571(7) Uani 1 1 d . . .
N1 N -0.0666(2) 0.1604(2) 0.37746(18) 0.0362(6) Uani 1 1 d . . .
N8 N -0.2612(2) 0.0462(3) 0.34271(19) 0.0428(7) Uani 1 1 d . . .
H8 H -0.2525 0.1439 0.3587 0.064(3) Uiso 1 1 d . . .
C2 C 0.0294(3) 0.2202(3) 0.3968(2) 0.0385(7) Uani 1 1 d . . .
C2' C 0.0266(3) 0.3707(3) 0.4082(3) 0.0528(9) Uani 1 1 d . . .
H2A H 0.1015 0.4043 0.4153 0.096(4) Uiso 1 1 calc R . .
H2B H -0.0134 0.3934 0.4651 0.096(4) Uiso 1 1 calc R . .
H2C H -0.0101 0.4098 0.3514 0.096(4) Uiso 1 1 calc R . .
C3 C 0.1320(3) 0.1535(3) 0.4058(2) 0.0404(8) Uani 1 1 d . . .
H3 H 0.1975 0.2010 0.4196 0.064(3) Uiso 1 1 calc R . .
C4 C 0.1345(2) 0.0172(3) 0.3939(2) 0.0375(7) Uani 1 1 d . . .
C4A C 0.0338(2) -0.0536(3) 0.3723(2) 0.0352(7) Uani 1 1 d . . .
C4' C 0.3326(3) 0.0066(4) 0.4177(3) 0.0589(10) Uani 1 1 d . . .
H4A H 0.3913 -0.0588 0.4207 0.096(4) Uiso 1 1 calc R . .
H4B H 0.3321 0.0544 0.4785 0.096(4) Uiso 1 1 calc R . .
H4C H 0.3448 0.0682 0.3655 0.096(4) Uiso 1 1 calc R . .
C5 C 0.0272(3) -0.1931(3) 0.3583(2) 0.0425(8) Uani 1 1 d . . .
H5 H 0.0913 -0.2454 0.3634 0.064(3) Uiso 1 1 calc R . .
C6 C -0.0741(3) -0.2507(3) 0.3371(2) 0.0465(8) Uani 1 1 d . . .
H6 H -0.0778 -0.3427 0.3272 0.064(3) Uiso 1 1 calc R . .
C7 C -0.1726(3) -0.1755(3) 0.3297(2) 0.0431(8) Uani 1 1 d . . .
H7 H -0.2406 -0.2174 0.3151 0.064(3) Uiso 1 1 calc R . .
C8 C -0.1683(2) -0.0400(3) 0.3441(2) 0.0346(7) Uani 1 1 d . . .
C8A C -0.0645(2) 0.0242(3) 0.3650(2) 0.0330(7) Uani 1 1 d . . .
C81 C -0.3616(2) 0.0148(3) 0.1627(2) 0.0409(7) Uani 1 1 d . . .
C82 C -0.3196(3) 0.1276(4) 0.1185(3) 0.0560(10) Uani 1 1 d . . .
H82 H -0.3019 0.2034 0.1555 0.064(3) Uiso 1 1 calc R . .
C83 C -0.3042(3) 0.1267(4) 0.0193(3) 0.0614(10) Uani 1 1 d . . .
H83 H -0.2751 0.2021 -0.0101 0.064(3) Uiso 1 1 calc R . .
C84 C -0.3312(3) 0.0162(4) -0.0370(3) 0.0496(9) Uani 1 1 d . . .
C84' C -0.3175(3) 0.0202(4) -0.1465(3) 0.0695(12) Uani 1 1 d . . .
H84A H -0.2409 0.0379 -0.1595 0.096(4) Uiso 1 1 calc R . .
H84B H -0.3638 0.0897 -0.1748 0.096(4) Uiso 1 1 calc R . .
H84C H -0.3393 -0.0644 -0.1745 0.096(4) Uiso 1 1 calc R . .
C85 C -0.3724(3) -0.0949(4) 0.0080(3) 0.0505(9) Uani 1 1 d . . .
H85 H -0.3904 -0.1703 -0.0293 0.064(3) Uiso 1 1 calc R . .
C86 C -0.3880(3) -0.0973(3) 0.1078(3) 0.0466(8) Uani 1 1 d . . .
H86 H -0.4157 -0.1735 0.1372 0.064(3) Uiso 1 1 calc R . .

loop_
 _atom_site_aniso_label
 _atom_site_aniso_U_11
 _atom_site_aniso_U_22
 _atom_site_aniso_U_33
 _atom_site_aniso_U_23
 _atom_site_aniso_U_13
```

```
 _atom_site_aniso_U_12
S8 0.0330(4) 0.0464(5) 0.0508(5) -0.0002(4) 0.0045(3) -0.0015(4)
O4 0.0349(12) 0.0514(15) 0.0662(16) 0.0020(12) 0.0001(11) 0.0042(11)
O8B 0.0452(14) 0.0537(15) 0.0649(16) 0.0084(13) 0.0085(12) -0.0137(12)
O8A 0.0401(13) 0.0576(16) 0.0744(17) -0.0061(13) 0.0102(12) 0.0116(12)
N1 0.0418(15) 0.0343(15) 0.0324(13) -0.0023(11) 0.0025(11) -0.0005(12)
N8 0.0390(15) 0.0413(16) 0.0478(16) -0.0071(13) -0.0008(12) 0.0006(12)
C2 0.0456(19) 0.0361(18) 0.0339(17) -0.0024(14) 0.0048(14) -0.0033(15)
C2' 0.062(2) 0.035(2) 0.061(2) -0.0062(17) 0.0017(18) -0.0040(17)
C3 0.0401(17) 0.043(2) 0.0378(17) -0.0005(15) -0.0003(14) -0.0076(15)
C4 0.0400(17) 0.0433(19) 0.0295(15) 0.0015(14) 0.0039(12) 0.0025(15)
C4A 0.0401(17) 0.0359(18) 0.0298(16) -0.0017(13) 0.0027(13) 0.0009(14)
C4' 0.0343(17) 0.070(3) 0.072(3) 0.003(2) 0.0044(17) -0.0022(19)
C5 0.047(2) 0.0385(19) 0.0423(19) -0.0032(15) 0.0000(15) 0.0042(16)
C6 0.061(2) 0.0309(18) 0.047(2) -0.0021(15) -0.0033(17) 0.0018(16)
C7 0.0450(19) 0.041(2) 0.0428(19) 0.0000(15) -0.0030(15) -0.0075(16)
C8 0.0371(16) 0.0370(18) 0.0299(15) 0.0008(13) 0.0018(12) 0.0019(14)
C8A 0.0380(15) 0.0359(17) 0.0252(14) -0.0004(13) 0.0024(12) 0.0011(14)
C81 0.0337(16) 0.0392(18) 0.0496(19) 0.0005(16) -0.0013(14) 0.0004(15)
C82 0.071(3) 0.044(2) 0.053(2) -0.0002(18) -0.0005(18) -0.0144(19)
C83 0.078(3) 0.053(2) 0.053(2) 0.009(2) 0.004(2) -0.011(2)
C84 0.0402(18) 0.057(2) 0.052(2) 0.0011(18) -0.0014(15) 0.0121(17)
C84' 0.065(3) 0.089(3) 0.054(2) 0.000(2) -0.0025(19) 0.018(2)
C85 0.047(2) 0.047(2) 0.057(2) -0.0107(18) -0.0053(17) 0.0058(17)
C86 0.0421(19) 0.037(2) 0.061(2) 0.0034(17) 0.0000(16) 0.0021(16)

_geom_special_details
;
 All esds (except the esd in the dihedral angle between two l.s. planes)
 are estimated using the full covariance matrix.  The cell esds are taken
 into account individually in the estimation of esds in distances, angles
 and torsion angles; correlations between esds in cell parameters are only
 used when they are defined by crystal symmetry.  An approximate (isotropic)
 treatment of cell esds is used for estimating esds involving l.s. planes.
;

loop_
 _geom_bond_atom_site_label_1
 _geom_bond_atom_site_label_2
 _geom_bond_distance
 _geom_bond_site_symmetry_2
 _geom_bond_publ_flag
S8 O8B 1.427(2) . ?
S8 O8A 1.430(2) . ?
S8 N8 1.630(3) . ?
S8 C81 1.762(3) . ?
O4 C4 1.353(4) . ?
O4 C4' 1.432(4) . ?
N1 C2 1.315(4) . ?
N1 C8A 1.372(4) . ?
N8 C8 1.409(4) . ?
C2 C3 1.401(4) . ?
C2 C2' 1.512(5) . ?
C3 C4 1.373(4) . ?
C4 C4A 1.420(4) . ?
C4A C5 1.408(4) . ?
C4A C8A 1.412(4) . ?
C5 C6 1.365(4) . ?
C6 C7 1.401(4) . ?
C7 C8 1.369(4) . ?
C8 C8A 1.419(4) . ?
C81 C86 1.378(4) . ?
C81 C82 1.384(5) . ?
C82 C83 1.379(5) . ?
C83 C84 1.377(5) . ?
C84 C85 1.372(5) . ?
C84 C84' 1.516(5) . ?
C85 C86 1.388(5) . ?

loop_
 _geom_angle_atom_site_label_1
 _geom_angle_atom_site_label_2
 _geom_angle_atom_site_label_3
 _geom_angle
 _geom_angle_site_symmetry_1
 _geom_angle_site_symmetry_3
 _geom_angle_publ_flag
O8B S8 O8A 119.73(14) . . ?
O8B S8 N8 108.71(14) . . ?
O8A S8 N8 104.24(14) . . ?
O8B S8 C81 108.33(15) . . ?
```

```
O8A S8 C81 108.76(15) . . ?
N8 S8 C81 106.28(14) . . ?
C4 O4 C4' 118.0(3) . . ?
C2 N1 C8A 117.1(3) . . ?
C8 N8 S8 127.1(2) . . ?
N1 C2 C3 124.1(3) . . ?
N1 C2 C2' 116.8(3) . . ?
C3 C2 C2' 119.2(3) . . ?
C4 C3 C2 119.0(3) . . ?
O4 C4 C3 125.1(3) . . ?
O4 C4 C4A 115.1(3) . . ?
C3 C4 C4A 119.8(3) . . ?
C5 C4A C8A 119.6(3) . . ?
C5 C4A C4 124.3(3) . . ?
C8A C4A C4 116.2(3) . . ?
C6 C5 C4A 119.4(3) . . ?
C5 C6 C7 122.0(3) . . ?
C8 C7 C6 119.5(3) . . ?
C7 C8 N8 125.3(3) . . ?
C7 C8 C8A 120.3(3) . . ?
N8 C8 C8A 114.4(3) . . ?
N1 C8A C4A 123.8(3) . . ?
N1 C8A C8 116.9(3) . . ?
C4A C8A C8 119.2(3) . . ?
C86 C81 C82 120.2(3) . . ?
C86 C81 S8 121.4(3) . . ?
C82 C81 S8 118.4(3) . . ?
C83 C82 C81 119.4(3) . . ?
C84 C83 C82 121.3(4) . . ?
C85 C84 C83 118.6(3) . . ?
C85 C84 C84' 121.4(4) . . ?
C83 C84 C84' 120.0(4) . . ?
C84 C85 C86 121.5(3) . . ?
C81 C86 C85 119.1(3) . . ?

_diffrn_measured_fraction_theta_max    0.996
_diffrn_reflns_theta_full              27.6
_diffrn_measured_fraction_theta_full   0.996
_refine_diff_density_max    0.29
_refine_diff_density_min   -0.29
_refine_diff_density_rms    0.060
```

Table S(2)
Structure Factors for 4-methoxy isomer of $C_{18}H_{18}N_2O_3S$

```
#                                                 13   5   0       4.89       0.35     23.62 o  -1   2   1     155.93     141.17      7.11 o
# h,k,l, Fc-squared, Fo-squared, sigma(Fo-        14   5   0       0.31     -14.00     22.56 o   0   2   1       1.41      10.79      3.27 o
squared) and status flag                          0   6   0    1744.26    1636.16     66.81 o   1   2   1     776.98     730.36     26.26 o
#                                                 1   6   0       1.39       5.50     11.87 o   2   2   1      87.09      72.31      5.28 o
data_shelxl                                       2   6   0       6.92       5.53     12.29 o   3   2   1    1898.79    1840.18     55.38 o
_shelx_title '  [adw]'                            3   6   0      90.67      98.63      8.98 o   4   2   1     121.26     108.96      7.37 o
_shelx_refln_list_code          4                 4   6   0    1123.20    1087.81     54.96 o   5   2   1       0.24       4.86     11.39 o
_shelx_F_calc_maximum      273.28                 5   6   0      40.86      44.79      8.21 o   6   2   1    1438.58    1572.89     60.08 o
_exptl_crystal_F_000       720.00                 6   6   0     318.83     349.25     18.12 o   7   2   1     613.14     595.17     29.16 o
_reflns_d_resolution_high  0.7675                 7   6   0      17.40       1.87     18.44 o   8   2   1       4.77       6.66     12.71 o
                                                  8   6   0       0.09     -20.08     20.08 o   9   2   1     239.47     240.96     15.51 o
loop_                                             9   6   0      27.73       5.99     14.35 o  10   2   1     301.31     296.73     17.12 o
 _symmetry_equiv_pos_as_xyz                      10   6   0      44.76      55.61     12.00 o  11   2   1     110.25     100.11     13.58 o
 'x, y, z'                                       11   6   0       0.73      20.27     20.50 o  12   2   1      43.53      59.02     11.46 o
 '-x, y+1/2, -z+1/2'                             12   6   0       3.73     -10.59     23.88 o  13   2   1       6.60      19.69     22.46 o
 '-x, -y, -z'                                    13   6   0       5.82      23.33     24.62 o  14   2   1      54.07      18.92     28.32 o
 'x, -y-1/2, z-1/2'                               1   7   0     735.57     731.03     34.11 o  15   2   1      33.14      16.38     31.09 o
                                                  2   7   0    1037.16    1051.00     54.00 o -15   3   1      17.92       1.32     17.38 o
_cell_length_a    11.9964                        3   7   0    1359.48    1188.08     60.66 o -14   3   1       6.77     -27.35     27.35 o
_cell_length_b     9.9928                        4   7   0     455.74     448.52     23.20 o -13   3   1       5.91       4.12     21.75 o
_cell_length_c    13.6930                        5   7   0     686.28     654.28     30.06 o -12   3   1      19.84      14.80     20.21 o
_cell_angle_alpha  90.000                        6   7   0    1600.56    1700.49     77.97 o -11   3   1     237.77     251.13     17.38 o
_cell_angle_beta   92.469                        7   7   0     390.95     365.11     19.86 o -10   3   1     472.71     501.59     25.68 o
_cell_angle_gamma  90.000                        8   7   0      33.41      42.80     11.49 o  -9   3   1     145.54     144.55     11.94 o
                                                  9   7   0      37.29      44.50     11.94 o  -8   3   1     590.39     553.46     28.74 o
_shelx_F_squared_multiplier     1.000            10   7   0      35.96      76.46     13.07 o  -7   3   1    1474.70    1507.73     63.46 o
                                                 11   7   0      38.88     -44.18     44.18 o  -6   3   1    1262.05    1258.43     54.16 o
loop_                                            12   7   0      16.10      21.69     26.00 o  -5   3   1     361.34     372.10     19.47 o
 _refln_index_h                                  13   7   0       3.01     -19.76     25.20 o  -4   3   1      42.51      69.61      6.76 o
 _refln_index_k                                   0   8   0     658.63     653.61     33.31 o  -3   3   1    1013.55     962.15     37.78 o
 _refln_index_l                                   1   8   0     513.03     439.80     21.82 o  -2   3   1    1096.55    1117.48     40.26 o
 _refln_F_squared_calc                            2   8   0      92.57      74.24     10.97 o  -1   3   1     277.52     268.61     13.23 o
 _refln_F_squared_meas                            3   8   0     446.81     455.54     22.98 o   0   3   1     603.17     564.46     17.75 o
 _refln_F_squared_sigma                           4   8   0     718.50     699.30     36.46 o   1   3   1       0.15       5.47      3.77 o
 _refln_observed_status                           5   8   0      55.97      54.74     11.13 o   2   3   1     167.39     218.86     10.27 o
  2   0   0     132.03     157.68      7.59 o    6   8   0       2.29     -22.98     22.98 o   3   3   1       4.70       5.79     10.46 o
  3   0   0   25458.29   24646.83    547.35 o    7   8   0       5.75       1.58     14.19 o   4   3   1       4.38       2.03      7.47 o
  4   0   0    5653.39    5847.16    144.87 o    8   8   0       3.57      13.58     14.87 o   5   3   1     581.99     534.99     23.36 o
  5   0   0    2576.55    2475.32     75.75 o    9   8   0       5.56     -22.91     22.91 o   6   3   1    1746.54    1717.19     66.36 o
  6   0   0      15.87      28.77      5.73 o   10   8   0       6.60      23.17     12.04 o   7   3   1    1298.24    1208.04     56.80 o
  7   0   0     137.59     168.01     11.52 o   11   8   0       0.01     -18.83     21.46 o   8   3   1      11.77     -13.77     16.96 o
  8   0   0       5.11      -1.58     14.90 o   12   8   0       4.76      14.90     33.21 o   9   3   1     724.97     691.29     34.50 o
  9   0   0     342.94     367.40     18.63 o    1   9   0     377.00     403.89     21.62 o  10   3   1     903.43     879.25     41.54 o
 10   0   0     292.76     289.20     17.31 o    2   9   0    1417.04    1323.27     54.26 o  11   3   1     447.23     524.15     24.84 o
 11   0   0      82.09      81.54     12.55 o    3   9   0     131.32     151.54     14.09 o  12   3   1       0.07      15.58     20.60 o
 12   0   0     103.53      91.00     14.38 o    4   9   0       2.07     -27.06     27.06 o  13   3   1      70.28      70.96     14.38 o
 13   0   0     201.32     223.43     18.31 o    5   9   0      27.51       3.22     14.93 o  14   3   1      78.86      85.95     17.06 o
 14   0   0      92.98     110.31     14.93 o    6   9   0      90.14      98.05     14.03 o  15   3   1      27.52     -41.58     41.58 o
 15   0   0       3.05     -23.65     31.44 o    7   9   0      64.31      89.75     13.42 o -14   4   1      32.08      32.31     13.32 o
  2   1   0    1997.77    2040.15     53.84 o    8   9   0      10.45      -3.64     17.12 o -13   4   1       9.09      33.98     10.84 o
  3   1   0    2191.25    2234.35     61.66 o    9   9   0       4.66     -31.63     31.63 o -12   4   1       0.01     -29.73     29.73 o
  4   1   0    1608.11    1596.03     50.94 o   10   9   0     127.97     138.86     20.31 o -11   4   1       1.77      -5.34     14.09 o
  5   1   0    1279.14    1259.72     47.53 o   11   9   0       2.83      -4.92     21.43 o -10   4   1      18.26      25.52      9.62 o
  6   1   0     227.86     230.25     11.36 o    0  10   0       9.81       1.32     16.22 o  -9   4   1     729.23     690.39     35.59 o
  7   1   0     123.11     114.88      9.46 o    1  10   0     319.34     322.38     20.21 o  -8   4   1     259.40     318.81     16.70 o
  8   1   0     278.45     299.50     15.38 o    2  10   0       5.86       9.14     15.96 o  -7   4   1     163.40     196.14     14.19 o
  9   1   0       5.76      -1.42     15.16 o    3  10   0     133.10     131.52     15.48 o  -6   4   1     222.23     267.16     13.81 o
 10   1   0       4.57     -19.95     19.95 o    4  10   0     159.69     155.49     16.28 o  -5   4   1      20.45      46.21      6.37 o
 11   1   0       2.89       0.29     18.70 o    5  10   0      82.42      93.03     14.42 o  -4   4   1      11.13       4.12     11.97 o
 12   1   0       9.91     -23.14     23.14 o    6  10   0      36.77      47.05     12.87 o  -3   4   1     556.48     592.95     30.67 o
 13   1   0      16.01      39.87     10.30 o    7  10   0       0.39      12.84     25.20 o  -2   4   1     186.29     214.16     10.72 o
 14   1   0       5.92      19.57     20.40 o    8  10   0      55.43      53.97     14.42 o  -1   4   1    1358.84    1552.43     53.80 o
 15   1   0       7.17       4.89     29.80 o    9  10   0       0.01     -31.31     31.31 o   0   4   1     109.74     102.46      5.13 o
  0   2   0   28527.15   25134.90    555.14 o    1  11   0      59.01      63.20     13.87 o   1   4   1     219.33     247.75     12.04 o
  1   2   0   11306.08   10937.07    248.30 o    2  11   0      87.55     105.04     14.64 o   2   4   1     107.75     154.85      8.53 o
  2   2   0    6742.90    7191.77    169.36 o    3  11   0      28.86      -4.02     29.09 o   3   4   1       0.11       5.57      9.62 o
  3   2   0    4279.20    4483.86    113.37 o    4  11   0      47.88      35.49     14.83 o   4   4   1     361.28     329.33     17.92 o
  4   2   0    4492.94    4541.46    118.45 o    5  11   0      68.54      75.91     15.09 o   5   4   1     114.55     104.13      9.30 o
  5   2   0     595.61     554.59     22.72 o    6  11   0      10.76      45.66     11.97 o   6   4   1     451.64     480.25     24.97 o
  6   2   0      84.97      77.62      7.47 o    7  11   0       8.09     -20.66     32.95 o   7   4   1     378.96     349.35     17.57 o
  7   2   0     567.27     558.23     25.97 o    8  11   0       4.09       0.87     30.73 o   8   4   1     356.86     363.28     18.21 o
  8   2   0     953.68     949.66     50.75 o    0  12   0       8.59      14.38     24.81 o   9   4   1      13.21      -2.06     17.76 o
  9   2   0     105.30     100.63     12.61 o    1  12   0       2.76     -18.15     29.77 o  10   4   1       1.19       5.66     18.12 o
 10   2   0      22.92      11.84     17.67 o    2  12   0       0.61      -5.44     27.48 o  11   4   1     260.01     230.41     18.09 o
 11   2   0      12.22      30.83      8.79 o    3  12   0      10.12      -2.22     28.29 o  12   4   1      17.67     -12.23     26.81 o
 12   2   0      45.09      56.96     12.68 o    4  12   0     129.35     145.52     19.37 o  13   4   1       0.34     -24.62     29.25 o
 13   2   0     138.09     141.01     15.54 o    5  12   0       5.32      26.23     13.42 o  14   4   1       2.76     -36.52     36.52 o
 14   2   0      44.87      31.92     13.84 o    6  12   0      10.44      -5.44     21.53 o -14   5   1       2.19      16.38     24.97 o
 15   2   0       5.99     -28.00     28.00 o -15   1   1      72.69     107.77     14.64 o -13   5   1       0.29     -26.97     26.97 o
  1   3   0    2331.46    2383.86     67.16 o -14   1   1     117.61      60.63     21.24 o -12   5   1     162.39     180.79     16.67 o
  2   3   0      90.63      81.03      6.31 o -13   1   1      12.74       5.73     12.39 o -11   5   1       7.83      10.97     23.04 o
  3   3   0    1125.96    1324.72     46.34 o -12   1   1       0.03      10.10     17.51 o -10   5   1     644.71     577.44     30.47 o
  4   3   0    1809.38    1947.63     63.91 o -11   1   1      21.59     -22.20     22.62 o  -9   5   1     104.30     116.65     13.00 o
  5   3   0    1882.59    2233.58     74.30 o -10   1   1    2990.39    2861.73    109.12 o  -8   5   1      46.83      54.06      9.43 o
  6   3   0     107.69     141.88      9.59 o  -9   1   1      33.16      36.72      8.08 o  -7   5   1     439.39     439.87     22.27 o
  7   3   0      38.37      47.63      8.17 o  -8   1   1     527.91     545.84     28.70 o  -6   5   1    1131.30    1085.69     55.61 o
  8   3   0     160.38     167.05     12.26 o  -7   1   1     652.14     601.67     26.61 o  -5   5   1     106.77     131.39     10.27 o
  9   3   0      11.27      -3.83     16.35 o  -6   1   1       0.13       7.56      5.37 o  -4   5   1     228.58     221.46     12.23 o
 10   3   0       0.67      -7.05     18.31 o  -5   1   1     532.96     682.79     32.57 o  -3   5   1     381.89     405.53     21.79 o
 11   3   0       1.78     -25.13     25.13 o  -4   1   1     607.00     556.30     26.07 o  -2   5   1     135.40     179.24     10.39 o
 12   3   0      44.57      34.11     12.26 o  -3   1   1      47.81      48.37      4.83 o  -1   5   1     991.46    1132.22     47.27 o
 13   3   0       0.74       2.74     17.80 o  -2   1   1    4532.27    4642.57    111.09 o   0   5   1    2538.58    2638.41     90.43 o
 14   3   0      13.83     -28.77     29.22 o   1   1   1       7.79      -2.64      5.31 o   1   5   1     334.12     403.60     20.69 o
 15   3   0      13.28      35.91     11.78 o   2   1   1    7919.02    7700.22    177.79 o   2   5   1     191.42     205.76     11.01 o
  0   4   0     544.87     510.08     20.76 o   3   1   1   23203.16   23140.68    516.42 o   3   5   1     464.48     476.94     23.65 o
  1   4   0     426.83     486.30     26.00 o   4   1   1    3410.10    3347.97     90.91 o   4   5   1      32.44      43.73      7.18 o
  2   4   0     734.67     775.89     34.98 o   5   1   1      64.07      70.02      7.30 o   5   5   1     660.59     586.51     28.70 o
  3   4   0     977.32    1060.65     43.93 o   6   1   1    3411.26    3157.34     97.28 o   6   5   1     356.81     346.84     18.86 o
  4   4   0     764.72     793.59     38.58 o   7   1   1    1140.30    1185.61     52.78 o   7   5   1     432.17     395.91     19.31 o
  5   4   0       3.49       5.99      6.08 o   8   1   1     399.18     361.19     19.40 o   8   5   1     102.88      92.10     11.49 o
  6   4   0     171.65     210.46     12.07 o   9   1   1       3.61       7.50     17.47 o   9   5   1     317.53     329.91     19.57 o
  7   4   0    1173.58    1102.26     56.35 o  10   1   1     737.69     718.10     35.30 o  10   5   1     859.19     893.06     45.08 o
  8   4   0     495.13     563.28     25.62 o  11   1   1     102.93      98.79     13.29 o  11   5   1      21.12      17.44     13.07 o
  9   4   0     223.37     176.89     15.83 o  12   1   1       1.19      13.52     22.17 o  12   5   1       0.26      17.80     20.98 o
 10   4   0      11.94       0.29     18.76 o  13   1   1      14.01      15.67     10.72 o  13   5   1      80.37     103.88     15.77 o
 11   4   0       2.92     -19.50     19.50 o  14   1   1      64.34      53.48     16.38 o  14   5   1      86.24     133.16     15.80 o
 12   4   0       0.55     -10.33     17.63 o  15   1   1     156.44     204.25     21.56 o -13   6   1       4.44      17.18     21.88 o
 13   4   0      32.03      46.66     12.65 o -15   2   1      66.29      94.42     16.12 o -12   6   1       0.02     -17.31     23.36 o
 14   4   0      28.68      28.99     12.97 o -14   2   1       7.48     -35.56     35.56 o -11   6   1       2.38      13.23     21.69 o
  1   5   0     768.45     796.94     39.39 o -13   2   1      62.61      60.50     13.93 o -10   6   1      17.62      -5.44     25.20 o
  2   5   0     166.13     176.86      9.98 o -12   2   1      53.85      67.29     12.58 o  -9   6   1     158.25     151.60     15.19 o
  3   5   0     194.11     197.87     10.84 o -11   2   1       2.85     -17.47     17.99 o  -8   6   1     408.58     413.51     20.95 o
  4   5   0      60.41      52.84      7.76 o -10   2   1       0.43       6.76      9.81 o  -7   6   1       6.85       7.14     16.86 o
  5   5   0       2.15       9.94     10.23 o  -9   2   1     151.78     138.02     13.07 o  -6   6   1     326.02     268.22     16.48 o
  6   5   0     730.07     719.93     32.89 o  -8   2   1      10.80      11.46      6.95 o  -5   6   1       4.05     -19.50     19.50 o
  7   5   0     758.84     720.51     35.17 o  -7   2   1     103.89     108.41      9.24 o  -4   6   1     673.56     656.15     30.70 o
  8   5   0     106.73     122.70     11.81 o  -6   2   1    3403.19    3753.70    109.35 o  -3   6   1    1057.18    1138.85     53.29 o
  9   5   0     252.16     259.60     17.38 o  -5   2   1    8384.91    9141.49    224.65 o  -2   6   1     108.74     102.56      9.30 o
 10   5   0       1.87      -2.12     23.49 o  -4   2   1     108.14     134.00      7.47 o  -1   6   1     539.60     576.41     27.19 o
 11   5   0     174.23     179.18     16.99 o  -3   2   1     975.18    1136.85     38.97 o   0   6   1     106.78     112.21     12.90 o
 12   5   0      16.20      35.72      9.75 o  -2   2   1      17.16      21.75      4.15 o   1   6   1      80.86      92.20      8.85 o
```

2	6	1	18.80	-16.57	16.57	o	0	12	1	6.62	18.07	14.88	o	-14	4	2	36.30	-41.13	41.13	o
3	6	1	91.75	95.77	9.43	o	1	12	1	19.23	-31.47	31.47	o	-13	4	2	73.75	73.27	15.45	o
4	6	1	221.56	238.26	13.23	o	2	12	1	11.49	14.80	30.51	o	-12	4	2	0.87	-27.06	27.06	o
5	6	1	745.28	703.33	33.72	o	3	12	1	71.78	94.71	17.67	o	-11	4	2	8.40	5.89	20.18	o
6	6	1	353.38	322.93	17.92	o	4	12	1	22.78	8.56	29.80	o	-10	4	2	582.22	575.64	29.25	o
7	6	1	242.07	252.48	16.25	o	5	12	1	2.90	-25.58	33.92	o	-9	4	2	530.05	576.76	27.64	o
8	6	1	386.64	368.43	20.56	o	0	13	1	1.47	0.74	13.47	o	-8	4	2	406.44	379.02	19.15	o
9	6	1	326.51	371.65	20.63	o	-15	0	2	22.81	29.73	13.77	o	-7	4	2	47.18	67.00	9.11	o
10	6	1	66.94	9.53	25.04	o	-14	0	2	14.82	18.50	22.33	o	-6	4	2	186.75	179.31	11.94	o
11	6	1	9.81	19.21	10.72	o	-13	0	2	79.16	88.14	15.93	o	-5	4	2	788.81	712.30	29.83	o
12	6	1	59.02	51.46	16.22	o	-12	0	2	0.60	-24.04	24.04	o	-4	4	2	2759.28	3061.76	94.38	o
13	6	1	0.93	-25.26	25.26	o	-11	0	2	1931.38	1742.26	86.27	o	-3	4	2	1618.13	1794.35	63.10	o
-13	7	1	1.21	-44.22	44.22	o	-10	0	2	2338.34	2147.18	92.61	o	-2	4	2	23.99	22.62	5.44	o
-12	7	1	2.47	17.15	10.43	o	-9	0	2	264.02	264.81	15.54	o	-1	4	2	431.15	398.52	19.37	o
-11	7	1	97.81	135.80	15.70	o	-8	0	2	21.31	42.61	7.34	o	0	4	2	1185.95	1148.67	31.56	o
-10	7	1	18.59	-9.81	22.98	o	-7	0	2	237.03	273.56	13.64	o	1	4	2	634.27	746.99	33.50	o
-9	7	1	4.95	10.36	18.02	o	-6	0	2	294.60	229.76	11.71	o	2	4	2	186.63	217.67	11.65	o
-8	7	1	43.20	58.18	11.68	o	-5	0	2	94.44	96.86	7.30	o	3	4	2	538.82	516.07	22.37	o
-7	7	1	6.11	0.87	17.28	o	-4	0	2	128.77	187.93	9.69	o	4	4	2	1.18	3.70	10.43	o
-6	7	1	220.95	225.03	16.70	o	-3	0	2	2998.25	3203.77	83.64	o	5	4	2	0.77	-9.43	11.46	o
-5	7	1	66.95	51.07	11.13	o	-2	0	2	2287.71	2286.74	60.31	o	6	4	2	40.37	27.39	6.95	o
-4	7	1	428.89	387.58	20.02	o	-1	0	2	2179.65	2398.57	60.34	o	7	4	2	611.78	604.18	30.47	o
-3	7	1	31.54	32.86	7.79	o	1	0	2	1412.12	1355.90	37.71	o	8	4	2	981.72	1048.91	43.48	o
-2	7	1	93.44	107.84	10.30	o	2	0	2	1264.59	1397.58	41.22	o	9	4	2	966.58	955.94	43.41	o
-1	7	1	58.84	59.76	9.69	o	3	0	2	220.89	240.26	11.75	o	10	4	2	3.09	-15.64	19.44	o
0	7	1	79.87	77.27	9.32	o	4	0	2	3023.99	2801.20	80.64	o	11	4	2	171.29	185.07	16.99	o
1	7	1	481.79	439.06	21.79	o	5	0	2	5654.06	5651.70	148.06	o	12	4	2	613.98	627.61	34.05	o
2	7	1	382.49	403.50	20.95	o	6	0	2	3248.87	3268.07	100.66	o	13	4	2	254.38	249.91	21.91	o
3	7	1	1587.81	1544.35	68.12	o	7	0	2	38.66	10.84	13.97	o	14	4	2	0.02	-30.47	30.47	o
4	7	1	693.03	626.19	28.67	o	8	0	2	7.79	13.07	13.61	o	-14	5	2	26.00	35.46	14.77	o
5	7	1	335.35	347.09	18.31	o	9	0	2	3985.22	3664.33	124.25	o	-13	5	2	0.01	-20.40	27.77	o
6	7	1	1125.26	1158.19	48.30	o	10	0	2	1960.76	1719.76	85.76	o	-12	5	2	0.47	-26.39	26.39	o
7	7	1	3.14	5.18	18.86	o	11	0	2	164.52	166.69	14.51	o	-11	5	2	87.30	77.88	13.74	o
8	7	1	0.14	-18.50	18.50	o	12	0	2	78.68	75.27	12.90	o	-10	5	2	1.90	-25.16	25.16	o
9	7	1	121.13	115.14	14.96	o	13	0	2	63.89	66.48	12.39	o	-9	5	2	42.29	33.02	11.07	o
10	7	1	13.77	5.53	24.13	o	14	0	2	17.19	-20.72	20.72	o	-8	5	2	239.89	204.73	15.25	o
11	7	1	17.14	27.61	13.29	o	15	0	2	133.74	134.06	17.96	o	-7	5	2	25.80	17.76	8.01	o
12	7	1	4.62	-2.22	19.98	o	-15	1	2	6.84	38.29	12.61	o	-6	5	2	467.37	502.04	26.55	o
13	7	1	33.20	3.28	38.10	o	-14	1	2	9.16	15.32	12.49	o	-5	5	2	436.88	516.01	26.39	o
-12	8	1	49.43	71.60	12.87	o	-13	1	2	6.75	-27.96	27.96	o	-4	5	2	0.81	-15.80	15.80	o
-11	8	1	9.40	-4.67	19.47	o	-12	1	2	35.60	42.41	11.49	o	-3	5	2	539.34	545.19	24.75	o
-10	8	1	0.86	8.37	21.11	o	-11	1	2	51.40	27.74	11.20	o	-2	5	2	2349.53	2540.96	82.70	o
-9	8	1	19.15	-23.85	36.91	o	-10	1	2	37.50	3.44	23.65	o	-1	5	2	331.99	370.91	19.57	o
-8	8	1	55.84	60.40	13.74	o	-9	1	2	171.86	154.50	13.19	o	0	5	2	311.83	326.00	15.01	o
-7	8	1	33.92	37.49	11.07	o	-8	1	2	150.97	124.25	10.94	o	1	5	2	1921.99	2062.99	70.51	o
-6	8	1	649.25	712.59	37.84	o	-7	1	2	0.39	9.07	10.07	o	2	5	2	4.89	7.18	12.26	o
-5	8	1	380.29	365.08	21.21	o	-6	1	2	2.96	2.90	12.32	o	3	5	2	463.55	458.76	23.52	o
-4	8	1	743.35	677.90	32.24	o	-5	1	2	0.33	-0.58	5.79	o	4	5	2	215.22	225.36	12.65	o
-3	8	1	65.11	72.79	11.26	o	-4	1	2	103.62	123.18	7.30	o	5	5	2	45.61	46.08	8.17	o
-2	8	1	14.44	22.27	8.30	o	-3	1	2	1102.20	1003.66	35.59	o	6	5	2	14.39	10.10	14.29	o
-1	8	1	101.26	100.85	11.39	o	-2	1	2	361.09	371.52	17.80	o	7	5	2	431.33	377.89	19.66	o
0	8	1	1051.26	1036.50	40.00	o	-1	1	2	6.00	14.90	3.06	o	8	5	2	8.56	7.27	17.22	o
1	8	1	648.76	635.62	33.08	o	0	1	2	133.47	133.28	4.54	o	9	5	2	75.55	81.54	12.23	o
2	8	1	205.03	204.09	15.32	o	1	1	2	136.01	150.09	7.79	o	10	5	2	360.92	340.53	20.63	o
3	8	1	191.04	183.62	14.48	o	2	1	2	2852.99	2809.15	73.34	o	11	5	2	50.45	11.71	27.35	o
4	8	1	211.76	216.44	16.99	o	3	1	2	312.35	324.15	14.35	o	12	5	2	23.54	-11.49	30.22	o
5	8	1	1214.51	1110.59	50.27	o	4	1	2	11.78	9.01	4.63	o	13	5	2	5.44	27.45	12.52	o
6	8	1	136.55	118.71	14.35	o	5	1	2	3.41	3.44	9.17	o	14	5	2	43.68	7.08	37.84	o
7	8	1	20.47	20.05	11.17	o	6	1	2	308.87	307.09	15.61	o	-13	6	2	32.66	45.21	14.13	o
8	8	1	209.89	230.89	18.79	o	7	1	2	76.12	53.48	8.27	o	-12	6	2	6.77	-4.89	15.06	o
9	8	1	95.68	105.58	14.16	o	8	1	2	124.35	108.74	10.27	o	-11	6	2	15.95	-2.67	26.74	o
10	8	1	5.34	-28.96	30.41	o	9	1	2	329.97	316.01	17.44	o	-10	6	2	236.27	253.39	17.89	o
11	8	1	0.49	-24.94	28.45	o	10	1	2	31.30	45.82	9.59	o	-9	6	2	65.57	52.90	12.07	o
12	8	1	22.83	22.88	28.16	o	11	1	2	48.41	59.24	11.46	o	-8	6	2	112.25	139.18	12.32	o
-11	9	1	52.19	26.58	34.01	o	12	1	2	138.51	154.95	14.90	o	-7	6	2	62.75	58.15	11.23	o
-10	9	1	16.58	3.77	24.91	o	13	1	2	17.64	-12.04	26.32	o	-6	6	2	652.67	627.35	32.53	o
-9	9	1	27.91	6.31	25.20	o	14	1	2	2.13	14.16	24.42	o	-5	6	2	146.99	159.61	12.16	o
-8	9	1	0.30	-15.93	21.95	o	15	1	2	65.79	109.06	15.99	o	-4	6	2	165.51	185.26	12.81	o
-7	9	1	14.39	8.40	23.72	o	-15	2	2	12.55	-0.74	21.14	o	-3	6	2	15.84	18.15	7.02	o
-6	9	1	49.39	38.26	13.58	o	-14	2	2	46.80	70.60	15.12	o	-2	6	2	33.75	28.90	7.05	o
-5	9	1	0.03	16.35	21.69	o	-13	2	2	2.68	4.92	19.53	o	-1	6	2	719.95	699.91	30.70	o
-4	9	1	11.80	11.10	19.28	o	-12	2	2	206.48	213.96	17.35	o	0	6	2	319.75	344.12	20.76	o
-3	9	1	32.52	-16.12	20.40	o	-11	2	2	0.21	7.18	8.46	o	1	6	2	27.13	23.88	6.82	o
-2	9	1	66.59	44.60	11.87	o	-10	2	2	258.87	271.28	16.57	o	2	6	2	11.90	1.00	12.42	o
-1	9	1	0.45	-8.04	19.92	o	-9	2	2	655.07	652.32	33.40	o	3	6	2	106.70	147.03	10.20	o
0	9	1	384.58	364.39	22.19	o	-8	2	2	0.04	10.84	11.26	o	4	6	2	207.69	193.59	12.90	o
1	9	1	47.31	8.91	24.62	o	-7	2	2	25.42	29.61	6.34	o	5	6	2	1157.48	1020.23	41.74	o
2	9	1	527.13	494.54	26.74	o	-6	2	2	223.12	201.16	10.97	o	6	6	2	342.14	335.73	18.25	o
3	9	1	180.76	140.88	14.35	o	-5	2	2	502.73	430.73	20.31	o	7	6	2	57.60	10.17	24.23	o
4	9	1	3.60	5.34	15.90	o	-4	2	2	965.46	943.29	38.13	o	8	6	2	280.06	265.90	18.57	o
5	9	1	0.55	4.67	13.97	o	-3	2	2	224.36	247.27	13.13	o	9	6	2	413.49	388.38	22.59	o
6	9	1	49.57	66.16	11.01	o	-2	2	2	933.39	942.49	33.47	o	10	6	2	41.73	15.12	25.78	o
7	9	1	127.10	153.63	16.35	o	-1	2	2	1191.60	1132.90	36.62	o	11	6	2	113.46	140.53	16.96	o
8	9	1	0.82	-15.09	20.31	o	0	2	2	452.43	427.14	13.86	o	12	6	2	258.93	233.47	20.40	o
9	9	1	0.07	-32.41	32.41	o	1	2	2	468.23	405.31	19.76	o	13	6	2	89.73	74.72	17.57	o
10	9	1	1.51	3.70	17.89	o	2	2	2	195.22	201.96	9.43	o	-13	7	2	0.13	-33.66	33.66	o
11	9	1	52.35	86.66	17.15	o	3	2	2	104.65	76.59	5.82	o	-12	7	2	0.69	-29.80	29.99	o
-9	10	1	31.67	40.48	14.38	o	4	2	2	116.80	104.75	7.85	o	-11	7	2	0.02	-5.08	20.14	o
-8	10	1	27.19	70.83	12.87	o	5	2	2	1468.83	1536.92	56.96	o	-10	7	2	1.35	-21.11	25.42	o
-7	10	1	0.04	16.96	17.63	o	6	2	2	214.86	205.76	11.46	o	-9	7	2	4.44	7.18	23.75	o
-6	10	1	3.80	13.16	16.35	o	7	2	2	15.60	19.21	7.14	o	-8	7	2	0.02	4.70	9.43	o
-5	10	1	15.22	18.28	23.30	o	8	2	2	2161.03	2218.00	86.40	o	-7	7	2	231.65	203.51	16.03	o
-4	10	1	5.78	-1.16	18.31	o	9	2	2	633.20	586.90	31.92	o	-6	7	2	315.21	288.65	18.02	o
-3	10	1	18.65	35.30	10.04	o	10	2	2	0.73	14.26	18.31	o	-5	7	2	447.69	485.82	26.23	o
-2	10	1	7.84	13.10	23.43	o	11	2	2	204.65	229.25	15.45	o	-4	7	2	85.03	78.26	10.88	o
-1	10	1	4.31	7.34	17.31	o	12	2	2	120.12	141.46	13.68	o	-3	7	2	411.43	375.64	18.70	o
0	10	1	448.37	461.08	40.84	o	13	2	2	218.24	214.19	18.89	o	-2	7	2	339.00	338.21	17.51	o
1	10	1	245.41	249.88	18.18	o	14	2	2	7.43	14.35	24.81	o	-1	7	2	8.31	10.46	13.29	o
2	10	1	17.99	-6.66	22.37	o	15	2	2	67.31	70.70	18.21	o	0	7	2	178.34	164.08	15.56	o
3	10	1	85.44	90.94	13.74	o	-15	3	2	18.98	-31.67	35.98	o	1	7	2	326.96	343.07	17.09	o
4	10	1	243.65	235.59	20.31	o	-14	3	2	3.93	2.70	16.41	o	2	7	2	149.90	163.18	12.81	o
5	10	1	151.33	142.88	16.03	o	-13	3	2	7.41	7.14	22.17	o	3	7	2	40.76	39.77	9.56	o
6	10	1	1.78	-17.12	23.68	o	-12	3	2	11.27	5.21	22.78	o	4	7	2	234.01	273.59	15.86	o
7	10	1	94.26	-20.21	43.57	o	-11	3	2	212.35	169.07	16.12	o	5	7	2	746.77	734.19	37.62	o
8	10	1	52.70	65.87	13.39	o	-10	3	2	244.64	253.90	17.12	o	6	7	2	642.67	640.90	29.83	o
9	10	1	34.63	42.19	15.41	o	-9	3	2	1.66	-14.00	19.40	o	7	7	2	114.25	134.42	12.45	o
-8	11	1	14.94	18.41	13.68	o	-8	3	2	88.71	66.87	9.53	o	8	7	2	127.18	135.41	14.45	o
-7	11	1	0.54	19.82	24.52	o	-7	3	2	339.80	370.33	18.70	o	9	7	2	0.02	-29.09	29.09	o
-6	11	1	74.05	120.77	15.51	o	-6	3	2	6.73	-6.66	12.13	o	10	7	2	16.51	24.26	11.33	o
-5	11	1	53.19	20.27	30.92	o	-5	3	2	784.25	969.13	44.47	o	11	7	2	86.80	96.35	14.32	o
-4	11	1	0.15	9.30	19.02	o	-4	3	2	269.03	263.78	13.10	o	12	7	2	20.18	-30.15	30.35	o
-3	11	1	17.49	20.98	21.43	o	-3	3	2	1608.29	1619.71	54.74	o	-12	8	2	5.26	2.22	28.77	o
-2	11	1	0.47	19.86	22.65	o	-2	3	2	0.04	-3.70	6.69	o	-11	8	2	0.76	-23.75	26.71	o
-1	11	1	0.94	-8.04	25.20	o	-1	3	2	408.16	423.04	22.30	o	-10	8	2	4.40	-26.97	26.97	o
0	11	1	24.92	-8.38	18.22	o	0	3	2	730.59	724.87	42.77	o	-9	8	2	0.86	-7.56	18.44	o
1	11	1	6.67	11.62	24.97	o	1	3	2	56.39	39.10	5.50	o	-8	8	2	53.76	66.64	14.00	o
2	11	1	1.45	-25.74	25.74	o	2	3	2	993.88	1004.72	38.17	o	-7	8	2	6.68	14.87	19.11	o
3	11	1	12.76	21.01	21.46	o	3	3	2	80.53	66.87	6.37	o	-6	8	2	536.84	563.21	28.25	o
4	11	1	7.82	14.35	28.19	o	4	3	2	545.82	598.84	31.28	o	-5	8	2	91.19	105.36	11.94	o
5	11	1	7.51	-7.34	24.49	o	5	3	2	114.31	197.97	10.72	o	-4	8	2	37.08	35.43	9.98	o
6	11	1	7.87	28.64	10.81	o	6	3	2	705.72	767.97	31.73	o	-3	8	2	166.73	146.19	13.68	o
7	11	1	25.07	-35.95	35.95	o	7	3	2	159.39	146.77	11.04	o	-2	8	2	85.46	91.17	11.78	o
8	11	1	30.06	15.22	27.77	o	8	3	2	119.35	98.95	11.75	o	-1	8	2	53.65	47.01	10.04	o
-6	12	1	24.80	15.25	33.95	o	9	3	2	643.71	625.45	29.41	o	0	8	2	14.08	12.54	12.06	o
-5	12	1	16.40	16.38	31.09	o	10	3	2	264.79	208.33	17.18	o	1	8	2	212.69	189.06	14.87	o
-4	12	1	38.09	47.98	15.19	o	11	3	2	6.32	-12.74	18.18	o	2	8	2	54.70	50.65	11.58	o
-3	12	1	0.00	12.81	18.09	o	12	3	2	0.88	-16.99	24.49	o	3	8	2	76.08	68.25	12.42	o
-2	12	1	0.74	-28.83	28.83	o	13	3	2	88.26	73.08	15.45	o	4	8	2	94.45	107.09	12.42	o
-1	12	1	0.77	-15.96	26.58	o	14	3	2	19.57	-4.54	31.31	o	5	8	2	744.39	767.69	40.64	o

6	8	2	1.27	-22.40	22.40	o	6	2	3	16.28	16.06	5.63	o	-9	7	3	7.05	34.24	10.14 o
7	8	2	89.22	105.29	13.35	o	7	2	3	33.72	42.16	7.50	o	-8	7	3	39.15	12.55	17.47 o
8	8	2	2.92	-5.66	20.79	o	8	2	3	102.47	91.78	11.07	o	-7	7	3	174.96	193.40	15.48 o
9	8	2	15.55	22.46	8.56	o	9	2	3	38.95	25.58	8.62	o	-6	7	3	434.01	456.28	24.59 o
10	8	2	21.72	7.59	28.45	o	10	2	3	13.67	1.26	21.01	o	-5	7	3	833.99	846.46	39.52 o
11	8	2	29.20	-41.54	41.54	o	11	2	3	57.24	47.56	11.84	o	-4	7	3	815.44	683.02	35.27 o
12	8	2	41.09	3.41	33.02	o	12	2	3	61.59	41.16	13.16	o	-3	7	3	14.04	5.99	10.36 o
-11	9	2	0.19	-28.80	28.80	o	13	2	3	3.54	-8.14	17.96	o	-2	7	3	151.92	153.92	12.00 o
-10	9	2	48.70	64.94	14.42	o	14	2	3	22.89	35.37	13.13	o	-1	7	3	34.77	16.38	17.86 o
-9	9	2	24.21	2.93	25.10	o	15	2	3	66.85	91.49	15.83	o	0	7	3	30.12	37.21	6.03 o
-8	9	2	34.20	10.68	27.10	o	-15	3	3	0.01	-12.04	25.94	o	1	7	3	247.41	235.14	14.87 o
-7	9	2	2.20	10.10	20.95	o	-14	3	3	11.41	6.69	12.16	o	2	7	3	527.03	535.96	25.55 o
-6	9	2	5.00	29.57	11.49	o	-13	3	3	103.85	124.86	14.61	o	3	7	3	280.24	291.90	16.51 o
-5	9	2	6.31	25.16	9.81	o	-12	3	3	197.74	175.45	17.44	o	4	7	3	0.24	11.20	16.38 o
-4	9	2	33.19	36.36	11.33	o	-11	3	3	14.68	-7.40	18.54	o	5	7	3	577.85	600.51	28.51 o
-3	9	2	120.34	112.86	15.03	o	-10	3	3	5.38	12.26	18.99	o	6	7	3	12.52	4.67	19.21 o
-2	9	2	1.34	1.61	10.52	o	-9	3	3	191.83	192.08	14.64	o	7	7	3	199.50	189.44	15.25 o
-1	9	2	128.65	134.80	14.32	o	-8	3	3	290.59	258.44	15.64	o	8	7	3	7.74	-20.82	22.14 o
0	9	2	325.12	306.91	13.30	o	-7	3	3	316.50	261.27	14.03	o	9	7	3	25.23	12.94	20.50 o
1	9	2	0.22	2.03	14.80	o	-6	3	3	359.29	362.83	17.54	o	10	7	3	80.18	87.88	13.84 o
2	9	2	236.39	221.40	16.70	o	-5	3	3	388.58	468.70	22.53	o	11	7	3	0.73	-3.93	24.78 o
3	9	2	64.61	79.16	11.91	o	-4	3	3	294.50	379.18	18.73	o	12	7	3	1.30	14.77	19.40 o
4	9	2	149.65	146.58	14.42	o	-3	3	3	264.98	281.22	13.19	o	-12	8	3	0.02	4.76	31.18 o
5	9	2	10.88	-3.99	26.74	o	-2	3	3	4074.60	4227.71	112.82	o	-11	8	3	6.60	-19.69	19.69 o
6	9	2	47.50	53.77	13.71	o	-1	3	3	3565.45	3319.97	92.49	o	-10	8	3	30.13	6.56	29.86 o
7	9	2	171.28	160.10	18.37	o	0	3	3	225.04	253.46	25.50	o	-9	8	3	2.45	-14.42	25.00 o
8	9	2	2.29	6.66	14.48	o	1	3	3	2270.41	2232.65	66.42	o	-8	8	3	0.00	-13.71	24.52 o
9	9	2	21.41	43.93	13.61	o	2	3	3	854.25	782.81	33.66	o	-7	8	3	65.75	90.14	12.26 o
10	9	2	0.02	-19.40	25.65	o	3	3	3	55.66	69.06	6.37	o	-6	8	3	56.61	32.66	13.48 o
11	9	2	54.02	76.17	14.61	o	4	3	3	1620.79	1521.40	56.09	o	-5	8	3	7.55	6.08	12.23 o
-9	10	2	0.89	3.70	18.44	o	5	3	3	610.01	610.10	27.26	o	-4	8	3	4.33	25.00	8.62 o
-8	10	2	11.84	1.67	27.80	o	6	3	3	949.26	903.71	48.72	o	-3	8	3	51.69	55.99	9.59 o
-7	10	2	1.47	-2.80	22.49	o	7	3	3	18.11	26.13	7.72	o	-2	8	3	331.61	306.87	17.89 o
-6	10	2	3.50	18.73	19.18	o	8	3	3	591.96	583.68	26.19	o	-1	8	3	415.44	440.87	22.14 o
-5	10	2	22.04	35.66	9.91	o	9	3	3	234.04	239.97	16.89	o	0	8	3	3.55	-19.33	23.07 o
-4	10	2	20.00	-24.88	31.15	o	10	3	3	39.62	45.34	10.49	o	1	8	3	5.78	8.66	10.49 o
-3	10	2	15.84	29.22	10.49	o	11	3	3	96.81	110.96	14.03	o	2	8	3	161.51	203.60	14.55 o
-2	10	2	8.11	-2.41	20.08	o	12	3	3	93.48	106.00	13.97	o	3	8	3	671.73	683.79	31.47 o
-1	10	2	29.64	29.41	11.17	o	13	3	3	7.68	-27.96	27.96	o	4	8	3	143.65	143.65	14.09 o
0	10	2	5.46	-9.71	14.56	o	14	3	3	81.62	96.80	16.89	o	5	8	3	834.15	786.45	41.22 o
1	10	2	40.46	39.07	11.62	o	-14	4	3	4.87	-30.51	30.67	o	6	8	3	112.32	116.72	14.74 o
2	10	2	0.14	-16.70	24.49	o	-13	4	3	6.83	-13.68	28.64	o	7	8	3	62.82	71.02	13.52 o
3	10	2	24.56	-8.11	19.31	o	-12	4	3	2.81	10.68	10.23	o	8	8	3	6.42	1.87	18.41 o
4	10	2	31.59	23.36	13.07	o	-11	4	3	137.35	128.62	14.93	o	9	8	3	1.71	24.65	10.33 o
5	10	2	0.08	-26.45	26.45	o	-10	4	3	69.64	-37.20	37.20	o	10	8	3	1.64	22.27	12.16 o
6	10	2	5.53	22.94	11.26	o	-9	4	3	128.84	137.18	13.48	o	11	8	3	4.08	13.97	13.07 o
7	10	2	1.25	16.86	11.81	o	-8	4	3	35.29	-25.55	25.55	o	-11	9	3	22.92	-18.70	29.83 o
8	10	2	0.17	15.58	15.83	o	-7	4	3	5.99	-9.11	10.78	o	-10	9	3	0.68	-26.03	26.03 o
9	10	2	3.78	-33.37	33.37	o	-6	4	3	237.89	229.02	13.10	o	-9	9	3	8.02	-15.29	15.29 o
-8	11	2	5.53	23.04	28.35	o	-5	4	3	271.69	231.92	12.42	o	-8	9	3	4.78	1.67	20.08 o
-7	11	2	104.85	96.19	20.08	o	-4	4	3	104.47	131.42	9.07	o	-7	9	3	17.88	-17.06	24.13 o
-6	11	2	74.29	74.46	16.41	o	-3	4	3	927.87	964.43	43.76	o	-6	9	3	5.72	25.65	8.59 o
-5	11	2	0.71	29.48	9.65	o	-2	4	3	76.01	76.85	7.40	o	-5	9	3	2.45	8.11	8.75 o
-4	11	2	0.62	-15.90	21.21	o	-1	4	3	31.29	32.63	6.31	o	-4	9	3	6.09	3.93	12.68 o
-3	11	2	106.75	120.10	16.99	o	0	4	3	2960.59	3039.14	63.31	o	-3	9	3	102.73	89.33	14.58 o
-2	11	2	9.48	15.93	17.09	o	1	4	3	373.02	446.24	20.40	o	-2	9	3	8.35	-18.70	18.70 o
-1	11	2	59.03	23.85	31.15	o	2	4	3	18.98	10.01	5.15	o	-1	9	3	160.75	149.38	14.42 o
0	11	2	69.57	75.94	28.03	o	3	4	3	101.78	115.62	9.14	o	0	9	3	46.62	44.56	7.61 o
1	11	2	5.12	12.61	23.72	o	4	4	3	7.02	-11.65	11.65	o	1	9	3	130.34	101.11	14.58 o
2	11	2	36.41	23.27	32.69	o	5	4	3	453.22	466.26	25.26	o	2	9	3	81.43	4.70	31.44 o
3	11	2	21.90	7.59	27.32	o	6	4	3	6.89	2.16	14.29	o	3	9	3	10.60	-22.98	22.98 o
4	11	2	0.30	0.55	22.65	o	7	4	3	582.39	610.65	31.57	o	4	9	3	82.62	82.06	14.06 o
5	11	2	32.83	51.01	13.71	o	8	4	3	196.16	209.46	14.32	o	5	9	3	14.94	29.90	11.07 o
6	11	2	142.45	178.31	19.18	o	9	4	3	0.04	5.15	18.02	o	6	9	3	18.01	33.15	10.62 o
7	11	2	0.32	-10.04	22.56	o	10	4	3	1.88	-15.38	18.66	o	7	9	3	0.03	-23.62	23.62 o
8	11	2	0.34	-19.92	25.42	o	11	4	3	3.00	16.03	18.66	o	8	9	3	7.85	30.83	11.78 o
-5	12	2	51.81	35.14	37.43	o	12	4	3	103.87	95.38	14.61	o	9	9	3	15.03	39.03	12.32 o
-4	12	2	46.52	50.49	15.61	o	13	4	3	119.61	104.46	15.90	o	10	9	3	56.15	68.48	17.18 o
-3	12	2	6.70	-32.37	32.37	o	14	4	3	35.68	38.52	13.48	o	-9	10	3	11.70	8.69	30.35 o
-2	12	2	12.52	12.13	15.70	o	-14	5	3	22.41	27.84	14.67	o	-8	10	3	18.82	52.97	12.61 o
-1	12	2	9.54	6.34	26.45	o	-13	5	3	107.52	76.20	15.19	o	-7	10	3	0.16	3.96	23.27 o
0	12	2	0.09	13.28	10.56	o	-12	5	3	17.42	26.71	13.00	o	-6	10	3	11.03	13.48	14.45 o
1	12	2	5.82	36.36	11.39	o	-11	5	3	127.65	134.22	15.41	o	-5	10	3	43.42	65.20	14.06 o
2	12	2	22.90	10.91	25.26	o	-10	5	3	25.47	29.64	9.85	o	-4	10	3	20.84	-30.28	30.28 o
3	12	2	30.65	0.64	18.28	o	-9	5	3	22.55	28.70	9.40	o	-3	10	3	0.21	-23.11	25.00 o
4	12	2	100.81	138.82	17.57	o	-8	5	3	314.15	326.59	17.96	o	-2	10	3	83.87	96.89	13.39 o
5	12	2	27.88	45.08	16.64	o	-7	5	3	57.65	68.16	8.33	o	-1	10	3	122.59	92.87	16.51 o
-15	1	3	19.90	13.71	34.11	o	-6	5	3	464.61	475.75	23.07	o	0	10	3	1.53	8.64	15.14 o
-14	1	3	4.16	22.20	22.91	o	-5	5	3	264.09	277.78	15.06	o	1	10	3	5.77	-22.69	22.69 o
-13	1	3	22.97	42.16	11.13	o	-4	5	3	121.36	139.66	10.39	o	2	10	3	4.82	-21.98	23.36 o
-12	1	3	93.58	108.41	13.39	o	-3	5	3	622.03	584.29	26.52	o	3	10	3	32.50	15.38	26.23 o
-11	1	3	121.36	123.06	13.39	o	-2	5	3	532.99	550.18	25.29	o	4	10	3	77.50	103.46	13.93 o
-10	1	3	43.77	71.79	11.20	o	-1	5	3	4669.10	5099.30	142.17	o	5	10	3	22.59	11.65	25.07 o
-9	1	3	25.28	26.65	7.88	o	0	5	3	299.46	312.07	14.29	o	6	10	3	0.06	-23.88	23.88 o
-8	1	3	15.64	17.28	7.05	o	1	5	3	2.82	5.28	10.14	o	7	10	3	27.96	14.29	24.26 o
-7	1	3	1.30	1.90	9.07	o	2	5	3	1002.10	1093.28	49.11	o	8	10	3	15.65	-13.07	27.61 o
-6	1	3	303.97	288.46	14.96	o	3	5	3	264.95	269.89	14.71	o	9	10	3	28.50	57.02	14.38 o
-5	1	3	71.56	68.16	6.47	o	4	5	3	354.05	347.51	17.63	o	-8	11	3	2.27	7.53	27.51 o
-4	1	3	925.95	840.64	35.20	o	5	5	3	971.48	913.14	49.24	o	-7	11	3	0.20	-31.89	31.89 o
-3	1	3	24.46	22.75	4.51	o	6	5	3	63.31	42.96	10.30	o	-6	11	3	0.03	9.72	20.92 o
-2	1	3	285.34	212.32	11.23	o	7	5	3	9.82	-9.24	18.57	o	-5	11	3	9.46	6.21	25.90 o
-1	1	3	5745.96	6103.64	145.29	o	8	5	3	12.59	33.66	8.95	o	-4	11	3	0.82	24.42	29.35 o
0	1	3	24559.22	24709.75	686.64	o	9	5	3	662.91	587.93	29.16	o	-3	11	3	1.61	18.15	21.66 o
1	1	3	3750.10	3628.45	91.75	o	10	5	3	0.37	12.26	13.52	o	-2	11	3	0.15	-5.37	26.32 o
2	1	3	2278.83	2096.62	59.89	o	11	5	3	251.11	259.31	20.69	o	-1	11	3	1.25	-11.42	25.58 o
3	1	3	464.07	467.38	24.42	o	12	5	3	5.68	-16.32	27.67	o	0	11	3	12.83	5.76	11.01 o
4	1	3	165.37	171.78	9.04	o	13	5	3	0.32	-7.30	13.68	o	1	11	3	2.45	-25.16	26.26 o
5	1	3	3055.66	3061.80	93.48	o	14	5	3	92.25	24.23	37.68	o	2	11	3	9.29	18.50	13.00 o
6	1	3	1239.23	1159.70	50.52	o	-13	6	3	10.42	5.47	22.24	o	3	11	3	4.71	-27.84	27.84 o
7	1	3	353.60	389.31	18.63	o	-12	6	3	2.84	-24.13	28.41	o	4	11	3	62.22	69.64	14.83 o
8	1	3	42.39	47.53	8.72	o	-11	6	3	81.33	84.92	13.45	o	5	11	3	18.83	17.96	19.63 o
9	1	3	1364.07	1306.64	66.90	o	-10	6	3	13.73	-25.55	28.19	o	6	11	3	17.78	-29.83	42.86 o
10	1	3	503.32	448.69	22.20	o	-9	6	3	33.41	29.38	11.39	o	7	11	3	21.57	21.11	14.22 o
11	1	3	43.48	35.88	12.29	o	-8	6	3	8.61	-5.86	15.58	o	-5	12	3	19.63	31.50	15.83 o
12	1	3	19.10	-13.64	23.97	o	-7	6	3	128.01	129.85	11.71	o	-4	12	3	107.01	102.17	19.44 o
13	1	3	36.20	9.59	16.51	o	-6	6	3	421.22	434.14	22.88	o	-3	12	3	13.96	28.41	28.99 o
14	1	3	76.29	86.63	15.29	o	-5	6	3	56.81	64.33	10.04	o	-2	12	3	8.91	10.78	14.38 o
15	1	3	17.28	45.92	14.83	o	-4	6	3	410.72	457.60	21.95	o	-1	12	3	8.75	-11.81	25.65 o
-15	2	3	3.41	15.00	27.32	o	-3	6	3	8.97	9.69	13.23	o	0	12	3	25.65	44.62	14.61 o
-14	2	3	69.38	18.18	20.63	o	-2	6	3	15.64	11.46	15.38	o	1	12	3	36.49	11.04	30.70 o
-13	2	3	58.16	52.04	13.87	o	-1	6	3	553.25	551.15	26.84	o	2	12	3	0.01	-2.32	22.46 o
-12	2	3	10.07	3.83	24.78	o	0	6	3	229.40	258.84	12.79	o	3	12	3	61.49	12.13	43.12 o
-11	2	3	0.72	-19.11	19.11	o	1	6	3	50.82	53.87	8.40	o	4	12	3	10.49	8.79	24.33 o
-10	2	3	19.08	9.14	19.02	o	2	6	3	1081.13	1138.24	52.84	o	5	12	3	11.37	34.82	13.00 o
-9	2	3	59.52	82.06	10.33	o	3	6	3	180.80	193.59	12.84	o	-15	0	4	73.32	52.23	17.47 o
-8	2	3	269.65	232.92	14.51	o	4	6	3	2.71	4.60	13.90	o	-14	0	4	119.62	140.21	16.77 o
-7	2	3	80.75	82.80	9.78	o	5	6	3	241.12	205.34	14.26	o	-13	0	4	35.93	14.61	12.84 o
-6	2	3	34.35	58.57	7.08	o	6	6	3	240.15	232.40	15.93	o	-12	0	4	1.25	-17.44	17.44 o
-5	2	3	33.19	44.47	6.50	o	7	6	3	458.18	409.68	21.08	o	-11	0	4	176.95	191.86	16.25 o
-4	2	3	228.02	207.53	11.04	o	8	6	3	69.44	78.94	11.52	o	-10	0	4	606.07	623.52	29.32 o
-3	2	3	106.39	106.52	7.27	o	9	6	3	5.56	13.39	15.25	o	-9	0	4	22.87	12.84	8.72 o
-2	2	3	190.01	173.22	9.11	o	10	6	3	43.28	10.62	15.00	o	-8	0	4	11.58	21.59	7.08 o
-1	2	3	313.73	321.54	14.29	o	11	6	3	0.01	-0.23	23.30	o	-7	0	4	131.80	164.66	10.78 o
0	2	3	219.24	224.91	12.78	o	12	6	3	13.34	29.93	12.23	o	-6	0	4	73.85	66.77	8.30 o
1	2	3	149.25	164.12	8.37	o	13	6	3	57.45	49.40	15.12	o	-5	0	4	110.88	145.00	9.07 o
2	2	3	645.33	709.50	29.73	o	-13	7	3	11.56	-4.25	26.68	o	-4	0	4	60.87	88.37	6.79 o
3	2	3	213.88	252.03	11.55	o	-12	7	3	19.76	12.29	18.86	o	-3	0	4	5850.38	6115.64	152.21 o
4	2	3	2582.09	2669.46	81.90	o	-11	7	3	0.01	16.86	9.20	o	-2	0	4	23.86	39.13	5.31 o
5	2	3	8037.41	8265.36	209.40	o	-10	7	3	5.48	3.12	13.16	o	-1	0	4	74682.35	73707.58	1613.09 o

0	0	4	36378.67	35409.75	553.50	o	10	4	4	28.54	-22.78	25.81	o	-9	10	4	1.69	-2.96	30.15 o
1	0	4	150.45	129.62	6.89	o	11	4	4	19.59	29.51	11.01	o	-8	10	4	4.15	-0.97	31.89 o
2	0	4	2075.43	2146.34	63.36	o	12	4	4	149.05	159.71	17.51	o	-7	10	4	4.31	14.90	9.94 o
3	0	4	1972.22	1773.21	58.25	o	13	4	4	49.37	73.05	14.67	o	-6	10	4	32.28	-21.27	34.14 o
4	0	4	4257.63	4094.10	114.21	o	14	4	4	4.96	24.07	25.90	o	-5	10	4	4.82	-27.77	27.77 o
5	0	4	493.82	453.99	21.37	o	-14	5	4	2.64	-33.85	33.85	o	-4	10	4	9.56	-5.92	21.72 o
6	0	4	84.54	77.71	7.85	o	-13	5	4	18.63	-16.41	32.12	o	-3	10	4	17.09	7.24	24.94 o
7	0	4	118.85	126.56	10.56	o	-12	5	4	62.87	48.50	13.90	o	-2	10	4	35.41	51.68	10.14 o
8	0	4	1238.63	1156.39	59.92	o	-11	5	4	26.02	59.21	11.78	o	-1	10	4	128.58	106.35	15.38 o
9	0	4	0.08	-6.40	17.31	o	-10	5	4	9.31	-20.43	25.87	o	0	10	4	118.24	110.82	10.63 o
10	0	4	181.12	157.42	14.90	o	-9	5	4	354.33	337.18	19.63	o	1	10	4	1.75	-25.45	25.45 o
11	0	4	330.81	336.41	20.82	o	-8	5	4	424.99	416.54	21.08	o	2	10	4	109.82	133.71	15.48 o
12	0	4	190.96	207.30	17.41	o	-7	5	4	10.10	8.30	12.81	o	3	10	4	6.13	6.02	22.20 o
13	0	4	37.56	41.32	12.97	o	-6	5	4	33.43	24.97	7.92	o	4	10	4	2.07	12.16	23.33 o
14	0	4	38.28	27.61	32.92	o	-5	5	4	2.26	0.77	14.00	o	5	10	4	25.29	53.55	12.10 o
15	0	4	92.68	108.93	17.31	o	-4	5	4	0.51	4.70	11.68	o	6	10	4	3.12	-25.87	25.87 o
-15	1	4	0.00	2.25	12.65	o	-3	5	4	664.27	622.97	28.54	o	7	10	4	42.27	-37.07	37.07 o
-14	1	4	0.27	-2.03	21.43	o	-2	5	4	315.73	288.14	15.51	o	8	10	4	1.37	10.01	27.80 o
-13	1	4	38.68	51.04	11.46	o	-1	5	4	16.87	24.65	6.02	o	9	10	4	26.27	35.27	16.32 o
-12	1	4	10.46	8.98	21.17	o	0	5	4	138.88	111.86	6.48	o	-7	11	4	38.35	-41.29	41.29 o
-11	1	4	77.84	71.60	11.91	o	1	5	4	129.53	157.52	10.62	o	-6	11	4	2.04	3.80	25.23 o
-10	1	4	0.34	-13.35	16.54	o	2	5	4	80.15	54.03	9.01	o	-5	11	4	1.82	-6.73	23.49 o
-9	1	4	72.46	66.97	10.27	o	3	5	4	338.12	334.03	17.67	o	-4	11	4	58.03	65.58	16.99 o
-8	1	4	157.83	149.70	12.23	o	4	5	4	1.33	8.98	9.59	o	-3	11	4	6.21	25.10	12.00 o
-7	1	4	8.65	4.25	7.14	o	5	5	4	913.75	886.59	37.49	o	-2	11	4	3.60	23.14	11.04 o
-6	1	4	387.76	393.59	18.02	o	6	5	4	179.05	201.41	14.13	o	-1	11	4	19.76	3.99	22.27 o
-5	1	4	663.51	697.31	35.88	o	7	5	4	6.84	8.46	8.62	o	0	11	4	3.40	2.36	9.73 o
-4	1	4	53.45	62.01	5.99	o	8	5	4	355.94	303.42	18.41	o	1	11	4	17.63	1.09	27.03 o
-3	1	4	55.97	40.61	5.08	o	9	5	4	6.49	1.42	22.08	o	2	11	4	15.93	13.00	24.97 o
-2	1	4	217.37	258.02	13.23	o	10	5	4	213.11	187.58	16.57	o	3	11	4	4.45	-29.19	29.19 o
-1	1	4	3082.33	3291.17	87.27	o	11	5	4	6.54	-22.88	22.88	o	4	11	4	9.09	-7.66	24.84 o
0	1	4	2662.12	2702.66	108.83	o	12	5	4	0.03	16.35	25.71	o	5	11	4	0.30	17.54	10.94 o
1	1	4	3340.32	3296.74	87.59	o	13	5	4	0.01	-5.92	28.51	o	6	11	4	59.04	25.84	32.57 o
2	1	4	827.23	823.26	33.53	o	-13	6	4	10.52	7.47	26.29	o	7	11	4	1.19	3.83	13.93 o
3	1	4	110.23	108.77	7.27	o	-12	6	4	4.30	-25.26	25.26	o	-5	12	4	37.17	24.42	32.63 o
4	1	4	1066.80	1071.17	44.38	o	-11	6	4	24.88	11.87	25.52	o	-4	12	4	22.59	9.69	34.43 o
5	1	4	23.01	-14.29	14.29	o	-10	6	4	169.28	147.58	17.31	o	-3	12	4	2.19	-25.45	25.45 o
6	1	4	6.80	10.04	11.39	o	-9	6	4	14.58	37.68	9.85	o	-2	12	4	6.48	2.61	17.15 o
7	1	4	2.13	-0.51	12.29	o	-8	6	4	0.03	0.71	12.65	o	-1	12	4	9.47	-1.03	26.87 o
8	1	4	62.03	61.46	9.40	o	-7	6	4	1.46	-20.56	21.17	o	0	12	4	7.25	9.57	16.25 o
9	1	4	61.34	54.03	11.04	o	-6	6	4	37.23	5.86	23.01	o	1	12	4	0.08	8.69	23.49 o
10	1	4	1.34	-9.24	17.51	o	-5	6	4	1059.13	1117.80	58.05	o	2	12	4	6.63	-5.05	32.44 o
11	1	4	1.79	6.69	10.23	o	-4	6	4	232.69	205.63	14.16	o	3	12	4	28.89	26.26	33.08 o
12	1	4	23.62	44.86	11.23	o	-3	6	4	0.61	12.04	13.16	o	4	12	4	32.00	11.87	20.43 o
13	1	4	3.15	43.02	10.30	o	-2	6	4	1.13	8.17	12.42	o	-15	1	5	21.39	26.93	28.61 o
14	1	4	0.00	-27.48	27.48	o	-1	6	4	590.10	570.49	27.93	o	-14	1	5	17.91	-26.10	26.10 o
-15	2	4	46.81	70.09	15.22	o	0	6	4	49.98	51.88	5.67	o	-13	1	5	58.72	25.04	30.83 o
-14	2	4	83.02	125.47	14.64	o	1	6	4	103.15	100.37	9.69	o	-12	1	5	75.43	49.24	15.51 o
-13	2	4	6.41	5.25	25.33	o	2	6	4	1.78	-14.55	16.19	o	-11	1	5	1526.09	1636.61	82.32 o
-12	2	4	21.15	16.86	23.52	o	3	6	4	89.68	106.19	10.52	o	-10	1	5	546.34	534.25	27.96 o
-11	2	4	14.07	1.83	21.46	o	4	6	4	1.86	16.89	7.43	o	-9	1	5	298.24	263.33	16.57 o
-10	2	4	375.46	383.07	20.31	o	5	6	4	0.02	10.56	11.75	o	-8	1	5	187.12	174.45	12.74 o
-9	2	4	216.57	237.46	15.83	o	6	6	4	119.01	84.02	12.29	o	-7	1	5	70.03	64.68	8.08 o
-8	2	4	24.10	21.46	8.46	o	7	6	4	1.57	-17.76	17.76	o	-6	1	5	144.34	131.58	10.62 o
-7	2	4	328.82	324.28	16.41	o	8	6	4	166.09	187.51	14.83	o	-5	1	5	1467.79	1482.98	58.21 o
-6	2	4	211.60	173.03	11.39	o	9	6	4	1.55	7.24	23.11	o	-4	1	5	184.90	152.57	9.65 o
-5	2	4	545.45	532.19	23.17	o	10	6	4	24.50	37.68	11.07	o	-3	1	5	6.17	2.25	5.86 o
-4	2	4	10.56	-0.68	10.56	o	11	6	4	28.00	16.51	29.44	o	-2	1	5	821.87	945.42	37.49 o
-3	2	4	327.71	370.10	17.15	o	12	6	4	23.13	49.40	10.59	o	-1	1	5	12078.88	12397.08	289.30 o
-2	2	4	6467.34	6748.14	166.56	o	13	6	4	12.22	6.05	28.99	o	0	1	5	73.60	103.93	5.04 o
-1	2	4	2157.10	1992.94	61.62	o	-12	7	4	13.30	8.17	19.63	o	1	1	5	590.91	539.11	27.58 o
0	2	4	352.05	415.70	13.86	o	-11	7	4	3.88	23.46	26.58	o	2	1	5	1017.24	1009.87	39.90 o
1	2	4	1674.11	1629.82	52.42	o	-10	7	4	9.29	7.24	21.82	o	3	1	5	25.14	37.01	6.18 o
2	2	4	18.31	16.35	5.63	o	-9	7	4	46.15	11.97	22.08	o	4	1	5	639.94	548.09	24.91 o
3	2	4	393.01	360.67	17.15	o	-8	7	4	58.35	74.27	12.23	o	5	1	5	1359.25	1397.64	57.25 o
4	2	4	758.39	839.09	39.10	o	-7	7	4	108.24	117.23	15.45	o	6	1	5	480.03	456.22	23.56 o
5	2	4	65.10	76.72	7.69	o	-6	7	4	1149.97	1223.06	63.14	o	7	1	5	339.77	372.23	17.31 o
6	2	4	111.57	100.14	9.49	o	-5	7	4	360.58	365.79	20.14	o	8	1	5	3.04	11.68	18.15 o
7	2	4	782.31	789.21	34.46	o	-4	7	4	656.47	706.64	36.04	o	9	1	5	597.36	526.56	28.22 o
8	2	4	260.43	296.89	16.41	o	-3	7	4	148.00	178.02	12.81	o	10	1	5	62.27	66.97	12.61 o
9	2	4	10.86	4.25	7.98	o	-2	7	4	0.02	5.66	17.63	o	11	1	5	84.33	98.34	12.90 o
10	2	4	17.78	-5.73	20.40	o	-1	7	4	220.29	194.62	13.64	o	12	1	5	0.01	-0.61	23.46 o
11	2	4	225.75	230.73	17.51	o	0	7	4	248.49	222.45	15.83	o	13	1	5	78.34	80.55	15.03 o
12	2	4	222.41	208.14	19.37	o	1	7	4	147.88	165.50	11.81	o	14	1	5	233.17	319.06	22.91 o
13	2	4	28.33	25.74	13.29	o	2	7	4	356.10	370.04	18.89	o	-14	2	5	21.68	21.79	26.13 o
14	2	4	0.00	11.87	15.19	o	3	7	4	308.36	305.00	17.22	o	-13	2	5	19.03	48.33	10.62 o
-14	3	4	8.31	-33.27	33.27	o	4	7	4	334.31	334.64	18.31	o	-12	2	5	8.33	17.60	17.83 o
-13	3	4	86.75	108.90	13.52	o	5	7	4	1805.12	1785.38	80.45	o	-11	2	5	42.86	42.77	12.52 o
-12	3	4	53.73	60.66	12.36	o	6	7	4	239.14	249.36	17.44	o	-10	2	5	105.11	108.54	12.78 o
-11	3	4	72.94	96.80	13.97	o	7	7	4	0.03	7.08	16.35	o	-9	2	5	254.63	272.82	15.90 o
-10	3	4	20.93	12.00	20.50	o	8	7	4	93.57	106.13	13.29	o	-8	2	5	54.83	53.77	8.85 o
-9	3	4	66.54	40.29	10.68	o	9	7	4	49.87	13.77	29.28	o	-7	2	5	301.96	357.39	18.99 o
-8	3	4	230.86	189.51	13.68	o	10	7	4	73.26	93.58	14.45	o	-6	2	5	1273.89	1341.10	58.25 o
-7	3	4	285.42	293.90	15.61	o	11	7	4	14.83	12.16	28.22	o	-5	2	5	2417.42	2361.43	81.25 o
-6	3	4	696.73	701.43	30.96	o	12	7	4	2.55	-3.86	25.58	o	-4	2	5	1.18	-11.42	11.42 o
-5	3	4	1156.19	1181.81	53.58	o	-11	8	4	20.62	21.05	28.48	o	-3	2	5	243.99	277.62	13.29 o
-4	3	4	0.88	9.30	5.34	o	-10	8	4	2.67	-24.91	24.91	o	-2	2	5	330.96	281.96	13.32 o
-3	3	4	437.94	415.89	19.86	o	-9	8	4	9.76	-31.28	31.28	o	-1	2	5	115.91	86.89	7.47 o
-2	3	4	581.75	575.35	30.57	o	-8	8	4	1.31	-6.31	15.80	o	0	2	5	93.56	100.39	7.22 o
-1	3	4	88.15	97.67	7.47	o	-7	8	4	0.03	-23.88	23.88	o	1	2	5	118.50	106.71	7.76 o
0	3	4	599.09	592.05	20.96	o	-6	8	4	15.70	1.87	15.38	o	2	2	5	147.50	109.64	7.79 o
1	3	4	701.58	775.92	34.43	o	-5	8	4	29.10	0.77	22.65	o	3	2	5	19.29	7.08	5.08 o
2	3	4	9.42	-12.36	12.36	o	-4	8	4	14.16	12.94	18.05	o	4	2	5	230.12	202.03	10.62 o
3	3	4	51.04	44.67	6.21	o	-3	8	4	438.37	392.24	21.34	o	5	2	5	25.93	27.22	6.82 o
4	3	4	1849.27	2094.30	72.02	o	-2	8	4	48.92	38.81	11.84	o	6	2	5	80.30	78.00	8.40 o
5	3	4	411.79	456.67	22.94	o	-1	8	4	7.44	8.04	11.13	o	7	2	5	62.94	72.40	9.33 o
6	3	4	0.01	-5.95	13.19	o	0	8	4	68.92	67.37	11.75	o	8	2	5	71.14	82.03	10.52 o
7	3	4	61.22	63.94	8.24	o	1	8	4	13.90	9.91	21.21	o	9	2	5	44.89	59.11	10.17 o
8	3	4	26.30	13.03	16.25	o	2	8	4	174.30	189.99	15.03	o	10	2	5	6.51	-2.45	19.21 o
9	3	4	3.05	-12.45	19.53	o	3	8	4	442.53	458.85	24.84	o	11	2	5	0.27	14.19	9.49 o
10	3	4	6.10	10.33	27.80	o	4	8	4	190.57	225.74	15.41	o	12	2	5	2.40	13.93	16.54 o
11	3	4	5.51	-24.65	24.65	o	5	8	4	237.67	230.60	18.60	o	13	2	5	43.37	77.94	13.61 o
12	3	4	8.80	18.95	9.98	o	6	8	4	0.43	-23.91	23.91	o	14	2	5	11.42	14.87	16.48 o
13	3	4	13.53	11.55	19.82	o	7	8	4	0.06	-23.52	25.81	o	-14	3	5	2.16	-2.35	22.78 o
14	3	4	4.27	3.64	25.71	o	8	8	4	52.99	78.81	12.65	o	-13	3	5	58.21	19.28	35.75 o
-14	4	4	42.67	52.61	14.38	o	9	8	4	29.57	17.47	19.82	o	-12	3	5	335.04	317.87	22.43 o
-13	4	4	1.61	8.46	21.82	o	10	8	4	4.52	4.99	22.14	o	-11	3	5	133.00	147.19	15.00 o
-12	4	4	72.05	67.26	12.84	o	11	8	4	25.24	23.39	14.42	o	-10	3	5	147.05	133.51	14.16 o
-11	4	4	79.02	56.22	15.64	o	-10	9	4	19.84	-27.51	40.35	o	-9	3	5	1291.10	1266.96	65.52 o
-10	4	4	596.04	561.51	30.12	o	-9	9	4	0.92	14.55	29.99	o	-8	3	5	740.25	709.21	36.17 o
-9	4	4	67.08	64.78	11.46	o	-8	9	4	58.24	68.61	14.61	o	-7	3	5	353.32	355.65	18.31 o
-8	4	4	22.99	10.49	11.42	o	-7	9	4	0.05	-9.36	21.98	o	-6	3	5	227.21	219.79	12.81 o
-7	4	4	214.60	198.20	13.39	o	-6	9	4	14.10	-29.61	29.61	o	-5	3	5	57.80	50.14	7.69 o
-6	4	4	769.06	724.18	33.21	o	-5	9	4	2.96	16.70	10.75	o	-4	3	5	1543.91	1635.71	63.39 o
-5	4	4	895.18	814.19	34.46	o	-4	9	4	45.19	62.20	11.97	o	-3	3	5	800.93	722.89	37.14 o
-4	4	4	958.14	897.40	44.63	o	-3	9	4	104.14	119.36	14.16	o	-2	3	5	1.65	15.32	4.99 o
-3	4	4	94.94	96.12	7.85	o	-2	9	4	4.84	-18.31	18.31	o	-1	3	5	3.41	-3.09	10.81 o
-2	4	4	56.05	105.49	8.17	o	-1	9	4	102.54	90.23	14.03	o	0	3	5	73.79	94.74	11.25 o
-1	4	4	546.27	532.45	23.91	o	0	9	4	57.36	86.49	8.63	o	1	3	5	46.29	68.09	6.92 o
0	4	4	125.20	156.66	14.16	o	1	9	4	451.03	439.84	24.07	o	2	3	5	26.99	6.40	11.65 o
1	4	4	304.77	410.55	21.01	o	2	9	4	1.70	14.35	18.21	o	3	3	5	7.65	7.43	11.13 o
2	4	4	358.56	445.05	21.91	o	3	9	4	3.51	25.52	10.72	o	4	3	5	0.12	13.71	5.21 o
3	4	4	27.07	32.86	6.02	o	4	9	4	3.40	-0.61	13.48	o	5	3	5	47.20	36.75	6.98 o
4	4	4	33.19	45.95	6.37	o	5	9	4	236.30	263.84	19.18	o	6	3	5	66.16	88.59	9.56 o
5	4	4	18.83	42.54	6.79	o	6	9	4	82.28	95.96	14.42	o	7	3	5	4.59	-19.02	19.02 o
6	4	4	196.38	203.73	13.29	o	7	9	4	8.31	-11.97	20.47	o	8	3	5	241.71	213.55	15.12 o
7	4	4	273.15	239.58	15.61	o	8	9	4	2.41	24.07	24.46	o	9	3	5	241.11	254.16	16.60 o
8	4	4	83.98	73.98	10.84	o	9	9	4	110.84	147.96	18.37	o	10	3	5	165.92	198.26	16.60 o
9	4	4	4.02	-17.70	17.70	o	10	9	4	0.65	17.67	22.72	o	11	3	5	5.50	8.04	10.17 o

12	3	5	20.24	11.23	15.22	o	9	8	5	1.42	18.41	11.10	o	-7	2	6	388.57	387.09	18.41 o
13	3	5	111.25	89.62	18.09	o	10	8	5	24.39	32.57	14.77	o	-6	2	6	830.21	794.36	34.08 o
14	3	5	29.57	19.92	22.27	o	11	8	5	37.24	12.32	24.01	o	-5	2	6	436.43	407.21	19.73 o
-14	4	5	0.80	-29.06	29.06	o	-10	9	5	18.42	18.86	32.92	o	-4	2	6	38.78	30.80	7.53 o
-13	4	5	7.25	21.91	12.87	o	-9	9	5	5.35	-29.57	29.73	o	-3	2	6	1368.86	1405.88	54.71 o
-12	4	5	1.14	14.22	9.88	o	-8	9	5	26.41	15.38	15.80	o	-2	2	6	1341.43	1332.03	52.90 o
-11	4	5	27.30	38.49	11.62	o	-7	9	5	33.02	-14.64	25.42	o	-1	2	6	240.49	225.94	11.20 o
-10	4	5	499.33	475.27	24.30	o	-6	9	5	123.84	127.05	15.74	o	0	2	6	40.47	54.81	4.97 o
-9	4	5	0.86	-17.80	19.50	o	-5	9	5	27.20	-33.95	33.95	o	1	2	6	1092.00	1119.61	45.31 o
-8	4	5	113.52	103.97	12.87	o	-4	9	5	33.82	12.39	19.60	o	2	2	6	857.54	873.53	41.42 o
-7	4	5	56.97	43.02	8.88	o	-3	9	5	6.99	8.11	15.51	o	3	2	6	82.48	65.10	7.50 o
-6	4	5	11.26	21.85	6.63	o	-2	9	5	149.97	140.21	14.61	o	4	2	6	115.42	131.84	9.65 o
-5	4	5	542.70	486.88	22.56	o	-1	9	5	6.90	-4.70	18.54	o	5	2	6	492.44	527.72	26.26 o
-4	4	5	266.94	272.85	14.09	o	0	9	5	97.82	98.21	44.26	o	6	2	6	194.80	191.82	12.68 o
-3	4	5	42.00	35.14	7.59	o	1	9	5	54.79	65.81	11.78	o	7	2	6	737.58	740.17	34.27 o
-2	4	5	433.40	407.21	18.41	o	2	9	5	9.00	-16.28	24.33	o	8	2	6	12.89	11.42	8.08 o
-1	4	5	0.08	9.43	5.21	o	3	9	5	23.63	-13.93	25.10	o	9	2	6	169.35	206.11	14.55 o
0	4	5	7.01	7.43	15.22	o	4	9	5	3.60	36.04	10.62	o	10	2	6	0.98	-2.77	20.14 o
1	4	5	49.21	44.47	6.73	o	5	9	5	34.03	45.31	12.84	o	11	2	6	22.19	11.10	23.27 o
2	4	5	1.61	2.00	12.07	o	6	9	5	57.30	51.46	13.29	o	12	2	6	56.65	66.61	13.68 o
3	4	5	17.57	-15.83	15.83	o	7	9	5	0.00	5.37	11.42	o	13	2	6	4.47	-9.07	21.05 o
4	4	5	1.97	4.67	11.30	o	8	9	5	0.59	-33.37	33.37	o	14	2	6	14.34	-4.31	32.05 o
5	4	5	221.11	208.27	12.87	o	9	9	5	0.01	1.38	18.41	o	-14	3	6	6.98	4.99	23.97 o
6	4	5	3.51	16.38	6.73	o	10	9	5	70.73	112.44	16.48	o	-13	3	6	18.43	10.75	24.30 o
7	4	5	49.26	46.79	9.49	o	-9	10	5	31.50	51.81	12.52	o	-12	3	6	18.60	-1.35	19.28 o
8	4	5	3.46	16.96	17.35	o	-8	10	5	0.18	-24.84	32.95	o	-11	3	6	1.72	-0.35	22.20 o
9	4	5	10.30	2.00	20.43	o	-7	10	5	18.21	18.12	19.79	o	-10	3	6	29.00	28.93	12.45 o
10	4	5	192.18	174.42	15.80	o	-6	10	5	63.61	52.55	14.80	o	-9	3	6	0.22	4.51	19.57 o
11	4	5	1.09	2.41	23.49	o	-5	10	5	17.73	17.73	13.00	o	-8	3	6	31.34	33.92	10.17 o
12	4	5	10.87	-31.34	31.34	o	-4	10	5	2.70	-8.98	26.74	o	-7	3	6	40.25	39.90	8.66 o
13	4	5	14.42	5.02	28.74	o	-3	10	5	79.38	76.14	12.87	o	-6	3	6	495.43	492.68	23.68 o
-13	5	5	115.05	110.83	16.54	o	-2	10	5	3.64	6.60	10.72	o	-5	3	6	85.66	106.39	9.27 o
-12	5	5	51.55	79.94	14.29	o	-1	10	5	168.75	169.62	18.28	o	-4	3	6	344.25	298.28	15.99 o
-11	5	5	323.32	338.98	22.20	o	0	10	5	30.13	35.10	22.28	o	-3	3	6	27.25	42.51	7.66 o
-10	5	5	239.14	217.89	18.60	o	1	10	5	19.75	18.95	21.34	o	-2	3	6	96.46	73.08	7.66 o
-9	5	5	239.01	233.66	17.31	o	2	10	5	32.85	-7.79	32.82	o	-1	3	6	36.34	35.95	6.79 o
-8	5	5	541.99	536.05	27.64	o	3	10	5	18.99	38.33	10.75	o	0	3	6	140.82	142.84	12.28 o
-7	5	5	388.38	382.23	19.40	o	4	10	5	39.74	46.37	14.13	o	1	3	6	4.61	3.31	11.39 o
-6	5	5	26.70	10.56	16.60	o	5	10	5	4.05	15.09	17.09	o	2	3	6	31.70	19.57	6.28 o
-5	5	5	480.49	450.87	22.40	o	6	10	5	9.98	-5.50	19.31	o	3	3	6	52.72	48.72	7.43 o
-4	5	5	403.42	403.31	19.69	o	7	10	5	1.38	-19.53	20.37	o	4	3	6	559.70	523.34	25.55 o
-3	5	5	24.33	23.30	7.34	o	8	10	5	15.08	9.98	28.58	o	5	3	6	252.71	250.39	14.45 o
-2	5	5	815.93	826.90	44.38	o	-7	11	5	1.38	23.01	28.32	o	6	3	6	17.63	28.77	7.85 o
-1	5	5	694.41	707.64	30.70	o	-6	11	5	11.77	1.19	23.46	o	7	3	6	59.93	75.75	9.91 o
0	5	5	363.59	385.13	29.24	o	-5	11	5	21.45	10.97	25.42	o	8	3	6	14.63	6.02	15.35 o
1	5	5	42.21	38.65	6.31	o	-4	11	5	0.68	45.86	11.39	o	9	3	6	2.79	-7.40	18.57 o
2	5	5	121.65	130.10	10.88	o	-3	11	5	16.05	-5.25	20.76	o	10	3	6	51.06	53.93	11.65 o
3	5	5	76.71	64.59	9.62	o	-2	11	5	3.25	8.33	21.50	o	11	3	6	7.61	32.28	10.88 o
4	5	5	0.92	-2.35	10.62	o	-1	11	5	13.81	-28.00	29.06	o	12	3	6	29.53	54.32	13.03 o
5	5	5	8.23	1.03	10.14	o	0	11	5	1.07	13.85	14.58	o	13	3	6	3.27	13.93	16.64 o
6	5	5	2.25	4.09	12.65	o	1	11	5	0.92	-13.61	28.48	o	14	3	6	63.80	78.84	16.41 o
7	5	5	32.93	53.16	9.46	o	2	11	5	2.06	24.17	10.91	o	-14	4	6	24.97	7.14	38.20 o
8	5	5	26.11	34.88	9.62	o	3	11	5	3.92	17.63	24.75	o	-13	4	6	1.89	9.72	27.03 o
9	5	5	191.93	159.48	17.83	o	4	11	5	4.32	30.73	12.20	o	-12	4	6	15.51	14.87	15.12 o
10	5	5	0.65	-14.93	21.43	o	5	11	5	4.90	20.88	13.45	o	-11	4	6	271.42	247.37	20.53 o
11	5	5	3.66	-4.54	19.11	o	6	11	5	0.36	-31.28	31.28	o	-10	4	6	104.69	109.25	14.38 o
12	5	5	20.38	22.40	28.54	o	-4	12	5	0.00	6.28	22.43	o	-9	4	6	11.80	-13.13	19.60 o
13	5	5	54.33	-22.75	35.20	o	-3	12	5	1.78	-22.20	22.20	o	-8	4	6	106.34	111.09	12.16 o
-13	6	5	0.15	-1.19	15.96	o	-2	12	5	7.99	-26.52	29.96	o	-7	4	6	690.97	710.08	34.98 o
-12	6	5	1.61	-24.26	27.96	o	-1	12	5	12.35	15.51	18.12	o	-6	4	6	583.66	558.16	25.84 o
-11	6	5	108.83	116.97	17.02	o	0	12	5	4.72	14.01	14.05	o	-5	4	6	652.94	624.87	30.99 o
-10	6	5	37.58	26.81	14.42	o	1	12	5	1.87	-35.04	35.04	o	-4	4	6	124.26	128.01	10.20 o
-9	6	5	10.20	-7.40	23.52	o	2	12	5	2.92	-32.98	33.24	o	-3	4	6	189.85	201.80	12.13 o
-8	6	5	313.44	270.50	19.60	o	3	12	5	0.12	6.05	28.96	o	-2	4	6	102.61	92.77	9.46 o
-7	6	5	205.22	168.08	14.80	o	-14	0	6	151.90	173.03	20.63	o	-1	4	6	1382.99	1335.92	57.18 o
-6	6	5	4.93	13.97	17.70	o	-13	0	6	0.07	-27.00	27.00	o	0	4	6	8.39	3.94	8.96 o
-5	6	5	316.95	337.66	18.76	o	-12	0	6	100.86	68.06	15.48	o	1	4	6	275.33	254.03	13.29 o
-4	6	5	29.68	40.51	8.24	o	-11	0	6	2064.11	2247.26	101.27	o	2	4	6	43.24	43.89	7.02 o
-3	6	5	317.15	303.39	16.15	o	-10	0	6	74.44	77.26	11.30	o	3	4	6	8.37	11.87	14.00 o
-2	6	5	587.17	619.43	31.31	o	-9	0	6	101.11	104.58	11.94	o	4	4	6	72.85	53.13	9.72 o
-1	6	5	33.20	41.09	8.53	o	-8	0	6	32.29	40.32	7.72	o	5	4	6	67.80	83.35	9.30 o
0	6	5	82.45	79.07	6.80	o	-7	0	6	30.43	33.05	9.04	o	6	4	6	378.67	382.65	18.60 o
1	6	5	134.79	114.34	11.87	o	-6	0	6	313.50	293.38	15.12	o	7	4	6	15.14	0.64	16.64 o
2	6	5	14.55	26.61	7.59	o	-5	0	6	180.27	199.90	11.84	o	8	4	6	0.31	6.11	8.91 o
3	6	5	248.87	208.01	13.90	o	-4	0	6	1170.55	1348.73	53.90	o	9	4	6	289.07	260.11	18.66 o
4	6	5	0.99	-6.66	18.02	o	-3	0	6	3487.67	3470.35	100.56	o	10	4	6	24.66	13.84	27.77 o
5	6	5	55.72	41.51	9.65	o	-2	0	6	4327.31	5141.94	136.22	o	11	4	6	79.55	87.43	13.87 o
6	6	5	578.74	584.03	28.38	o	-1	0	6	335.25	310.44	16.83	o	12	4	6	19.36	20.02	26.32 o
7	6	5	71.11	70.12	10.65	o	0	0	6	3481.47	3935.49	82.78	o	13	4	6	5.53	8.62	23.91 o
8	6	5	145.51	156.49	14.77	o	1	0	6	6781.26	6849.73	172.74	o	-13	5	6	4.00	-27.39	27.39 o
9	6	5	4.14	23.91	9.07	o	2	0	6	2299.02	2278.02	73.69	o	-12	5	6	37.74	62.43	15.19 o
10	6	5	5.82	9.33	23.20	o	3	0	6	1403.39	1427.95	55.99	o	-11	5	6	4.73	-16.77	23.46 o
11	6	5	81.89	83.60	13.29	o	4	0	6	439.23	358.07	17.70	o	-10	5	6	76.53	84.28	14.26 o
12	6	5	12.04	17.54	14.48	o	5	0	6	120.19	93.10	9.59	o	-9	5	6	133.41	109.99	14.09 o
-12	7	5	67.97	83.06	16.15	o	6	0	6	1011.14	1018.27	54.48	o	-8	5	6	14.48	29.41	8.43 o
-11	7	5	37.66	13.42	31.41	o	7	0	6	140.83	151.54	11.62	o	-7	5	6	72.87	74.56	11.62 o
-10	7	5	0.21	0.74	21.95	o	8	0	6	1233.56	1302.58	65.36	o	-6	5	6	15.66	-5.18	19.21 o
-9	7	5	14.71	9.27	22.43	o	9	0	6	1449.18	1308.37	70.28	o	-5	5	6	270.65	290.78	16.25 o
-8	7	5	69.85	21.08	32.47	o	10	0	6	427.90	405.60	22.43	o	-4	5	6	402.85	400.22	20.21 o
-7	7	5	149.19	173.77	14.51	o	11	0	6	7.37	17.02	26.74	o	-3	5	6	320.30	296.09	15.16 o
-6	7	5	84.82	70.73	12.49	o	12	0	6	78.67	88.62	15.35	o	-2	5	6	120.90	126.11	10.78 o
-5	7	5	464.80	411.39	21.91	o	13	0	6	18.51	32.34	14.16	o	-1	5	6	104.47	105.29	10.59 o
-4	7	5	0.03	-13.29	21.46	o	14	0	6	52.98	109.41	15.96	o	0	5	6	570.32	561.03	20.80 o
-3	7	5	6.22	11.42	16.73	o	-14	1	6	8.76	-36.46	36.46	o	1	5	6	0.43	-9.40	13.23 o
-2	7	5	65.09	56.12	9.91	o	-13	1	6	5.36	-5.57	31.50	o	2	5	6	90.86	92.84	9.88 o
-1	7	5	118.01	98.21	12.32	o	-12	1	6	43.37	32.31	12.90	o	3	5	6	0.78	14.09	7.24 o
0	7	5	276.17	272.54	11.58	o	-11	1	6	42.01	25.33	13.32	o	4	5	6	15.63	20.31	8.04 o
1	7	5	28.41	34.59	10.04	o	-10	1	6	156.95	149.73	15.61	o	5	5	6	102.92	89.88	10.43 o
2	7	5	158.64	152.92	13.52	o	-9	1	6	44.78	55.51	9.14	o	6	5	6	19.43	-14.55	23.43 o
3	7	5	452.24	420.40	21.75	o	-8	1	6	51.94	45.02	9.75	o	7	5	6	122.27	123.28	13.64 o
4	7	5	363.85	324.12	19.21	o	-7	1	6	54.05	64.46	9.62	o	8	5	6	92.30	60.56	14.87 o
5	7	5	610.36	598.93	31.15	o	-6	1	6	309.86	288.82	15.32	o	9	5	6	90.59	87.01	12.68 o
6	7	5	12.03	22.20	9.75	o	-5	1	6	25.95	24.94	6.89	o	10	5	6	0.06	0.90	16.57 o
7	7	5	28.66	20.50	9.33	o	-4	1	6	124.22	100.56	8.91	o	11	5	6	15.56	10.62	22.94 o
8	7	5	0.03	19.11	19.15	o	-3	1	6	0.80	0.13	8.69	o	12	5	6	0.62	-14.16	23.30 o
9	7	5	0.19	-17.73	19.47	o	-2	1	6	3.34	5.73	12.20	o	13	5	6	52.10	4.44	40.84 o
10	7	5	37.95	47.50	14.71	o	-1	1	6	204.90	206.05	10.39	o	-13	6	6	0.29	-26.58	29.38 o
11	7	5	1.64	-32.63	32.63	o	0	1	6	46.74	42.08	7.45	o	-12	6	6	1.98	-29.32	29.32 o
12	7	5	11.87	-1.67	28.61	o	1	1	6	256.14	269.51	13.07	o	-11	6	6	102.33	90.78	16.57 o
-11	8	5	27.58	-1.38	33.05	o	2	1	6	34.86	51.84	6.89	o	-10	6	6	1.54	15.12	18.37 o
-10	8	5	23.22	-0.74	25.68	o	3	1	6	0.06	8.85	9.75	o	-9	6	6	39.17	-1.67	28.32 o
-9	8	5	20.26	11.55	21.11	o	4	1	6	468.74	420.17	22.53	o	-8	6	6	0.05	-25.42	25.42 o
-8	8	5	3.63	-24.88	24.88	o	5	1	6	170.77	160.22	11.30	o	-7	6	6	169.93	185.74	14.90 o
-7	8	5	408.95	418.82	24.30	o	6	1	6	0.25	0.87	10.81	o	-6	6	6	26.84	34.82	9.94 o
-6	8	5	260.06	218.63	19.24	o	7	1	6	46.00	17.25	20.88	o	-5	6	6	107.61	106.07	11.65 o
-5	8	5	301.23	321.61	20.66	o	8	1	6	113.70	95.35	12.23	o	-4	6	6	3.30	5.34	14.96 o
-4	8	5	117.77	118.29	12.52	o	9	1	6	459.18	472.85	23.04	o	-3	6	6	37.62	27.42	9.14 o
-3	8	5	299.82	249.27	17.63	o	10	1	6	128.21	133.87	14.71	o	-2	6	6	531.72	536.79	28.83 o
-2	8	5	126.76	147.19	13.93	o	11	1	6	135.92	127.95	15.38	o	-1	6	6	30.91	16.93	17.44 o
-1	8	5	136.73	132.32	14.51	o	12	1	6	2.53	-31.18	31.18	o	0	6	6	15.09	8.31	7.13 o
0	8	5	23.77	13.02	10.04	o	13	1	6	0.19	-30.47	30.47	o	1	6	6	78.24	98.05	11.07 o
1	8	5	50.03	55.96	9.85	o	14	1	6	15.75	25.16	15.51	o	2	6	6	140.95	131.42	12.90 o
2	8	5	454.78	474.11	24.04	o	-14	2	6	25.85	17.44	14.67	o	3	6	6	40.93	44.57	10.72 o
3	8	5	14.67	-23.65	23.65	o	-13	2	6	63.32	84.83	15.58	o	4	6	6	366.00	372.13	18.50 o
4	8	5	419.21	440.83	23.94	o	-12	2	6	119.36	135.19	16.06	o	5	6	6	917.92	892.06	42.45 o
5	8	5	24.58	-2.83	24.78	o	-11	2	6	419.79	419.37	25.58	o	6	6	6	42.34	20.21	22.49 o
6	8	5	13.71	5.99	20.56	o	-10	2	6	161.01	186.68	15.86	o	7	6	6	29.15	-3.06	24.88 o
7	8	5	133.80	155.24	15.00	o	-9	2	6	0.83	16.32	8.27	o	8	6	6	21.60	45.99	11.01 o
8	8	5	37.09	45.92	12.78	o	-8	2	6	5.36	7.43	15.12	o	9	6	6	88.49	72.92	13.35 o

10	6	6	6.38	4.89	20.21	o	10	1	7	218.08	251.81	18.44	o	3	6	7	6.81	14.03	16.22	o
11	6	6	12.08	24.75	25.39	o	11	1	7	0.29	-1.13	18.25	o	4	6	7	315.67	309.15	19.31	o
12	6	6	0.64	-30.70	30.70	o	12	1	7	53.69	70.80	12.78	o	5	6	7	580.90	566.56	28.41	o
-12	7	6	30.46	5.89	34.50	o	13	1	7	34.66	52.29	14.06	o	6	6	7	257.24	229.57	18.92	o
-11	7	6	5.79	-33.92	33.92	o	14	1	7	0.72	26.58	12.42	o	7	6	7	59.00	74.46	13.58	o
-10	7	6	5.92	-30.47	30.47	o	-14	2	7	3.16	-16.54	26.90	o	8	6	7	50.85	39.00	12.10	o
-9	7	6	42.84	45.82	12.26	o	-13	2	7	28.15	15.35	14.93	o	9	6	7	9.90	12.04	18.15	o
-8	7	6	195.47	206.08	18.44	o	-12	2	7	76.40	83.73	14.77	o	10	6	7	96.32	129.43	17.89	o
-7	7	6	79.62	91.36	12.61	o	-11	2	7	51.01	64.62	13.03	o	11	6	7	16.74	-32.31	32.31	o
-6	7	6	26.42	8.98	11.87	o	-10	2	7	0.23	12.49	22.33	o	12	6	7	29.94	21.24	16.77	o
-5	7	6	319.54	320.06	19.28	o	-9	2	7	4.15	-6.82	22.17	o	-11	7	7	1.27	1.45	29.19	o
-4	7	6	387.75	393.79	20.56	o	-8	2	7	47.16	73.76	10.72	o	-10	7	7	16.11	24.52	25.16	o
-3	7	6	9.21	2.86	17.09	o	-7	2	7	0.90	-18.54	18.54	o	-9	7	7	0.03	2.99	23.72	o
-2	7	6	108.43	80.29	10.97	o	-6	2	7	230.05	254.70	14.55	o	-8	7	7	41.40	49.94	12.61	o
-1	7	6	359.85	319.93	18.50	o	-5	2	7	20.17	41.06	7.05	o	-7	7	7	133.84	116.88	15.12	o
0	7	6	189.77	203.31	20.88	o	-4	2	7	102.08	122.03	10.23	o	-6	7	7	313.51	318.97	21.40	o
1	7	6	89.15	-19.08	31.89	o	-3	2	7	0.09	6.02	9.69	o	-5	7	7	385.43	358.26	22.24	o
2	7	6	3.94	5.99	14.83	o	-2	2	7	360.80	385.93	18.57	o	-4	7	7	5.10	-16.12	20.92	o
3	7	6	436.22	447.27	22.69	o	-1	2	7	52.77	64.23	7.79	o	-3	7	7	10.49	10.33	14.26	o
4	7	6	47.13	14.80	26.19	o	0	2	7	34.59	36.27	4.71	o	-2	7	7	21.32	18.79	9.46	o
5	7	6	808.21	809.13	42.73	o	1	2	7	414.54	384.71	20.24	o	-1	7	7	150.17	160.71	13.42	o
6	7	6	0.08	-13.29	19.34	o	2	2	7	231.21	270.44	14.74	o	0	7	7	310.97	297.55	13.09	o
7	7	6	32.56	23.46	25.49	o	3	2	7	430.88	474.40	25.55	o	1	7	7	188.02	195.01	15.03	o
8	7	6	40.09	18.73	26.97	o	4	2	7	1042.84	1090.06	52.26	o	2	7	7	79.07	95.19	11.65	o
9	7	6	5.38	-4.22	19.08	o	5	2	7	331.25	364.47	17.47	o	3	7	7	212.05	213.03	16.83	o
10	7	6	68.07	93.13	13.90	o	6	2	7	1.06	19.18	5.92	o	4	7	7	478.62	443.34	24.75	o
11	7	6	8.48	15.99	24.39	o	7	2	7	86.10	106.84	10.62	o	5	7	7	103.58	110.02	14.83	o
-11	8	6	0.11	-8.01	25.78	o	8	2	7	128.20	135.99	13.55	o	6	7	7	36.40	41.64	11.65	o
-10	8	6	6.11	15.74	23.62	o	9	2	7	104.50	111.92	13.07	o	7	7	7	23.53	25.26	10.75	o
-9	8	6	15.55	39.00	11.71	o	10	2	7	4.38	-1.13	10.17	o	8	7	7	31.12	44.96	11.91	o
-8	8	6	21.98	16.80	11.26	o	11	2	7	0.48	14.83	18.05	o	9	7	7	0.29	-32.66	32.66	o
-7	8	6	182.04	204.44	18.47	o	12	2	7	18.84	9.81	21.01	o	10	7	7	10.72	15.64	23.49	o
-6	8	6	182.37	176.60	17.76	o	13	2	7	0.00	-33.50	33.50	o	11	7	7	2.99	-15.96	36.40	o
-5	8	6	173.12	156.36	16.28	o	-14	3	7	31.99	40.13	15.00	o	-10	8	7	31.58	1.13	29.38	o
-4	8	6	67.39	79.32	13.00	o	-13	3	7	85.41	63.97	17.25	o	-9	8	7	45.10	28.45	30.67	o
-3	8	6	67.73	40.77	13.07	o	-12	3	7	5.56	12.87	24.71	o	-8	8	7	21.15	25.94	13.61	o
-2	8	6	147.88	130.49	14.26	o	-11	3	7	1.24	-5.28	25.58	o	-7	8	7	5.30	-14.22	24.71	o
-1	8	6	3.30	10.59	17.99	o	-10	3	7	187.99	177.96	15.90	o	-6	8	7	33.74	27.61	11.62	o
0	8	6	3.12	9.06	12.61	o	-9	3	7	267.76	262.27	17.47	o	-5	8	7	38.68	0.23	25.55	o
1	8	6	243.64	240.80	18.31	o	-8	3	7	302.89	251.55	17.38	o	-4	8	7	0.12	-22.53	22.53	o
2	8	6	186.81	194.46	16.32	o	-7	3	7	36.01	16.70	22.46	o	-3	8	7	236.14	257.41	17.51	o
3	8	6	58.33	77.36	13.07	o	-6	3	7	111.39	115.78	11.62	o	-2	8	7	170.91	155.65	16.25	o
4	8	6	9.33	1.09	30.47	o	-5	3	7	512.75	517.65	28.03	o	-1	8	7	0.02	-20.82	20.82	o
5	8	6	40.20	42.06	12.39	o	-4	3	7	1252.19	1103.32	55.54	o	0	8	7	10.04	-7.85	15.40	o
6	8	6	60.13	56.93	13.58	o	-3	3	7	946.06	993.11	49.11	o	1	8	7	275.07	315.33	18.92	o
7	8	6	7.04	-23.85	25.13	o	-2	3	7	1.12	-10.91	14.51	o	2	8	7	532.46	519.26	25.74	o
8	8	6	5.83	-10.04	23.07	o	-1	3	7	436.03	400.13	18.44	o	3	8	7	1.38	-2.16	13.84	o
9	8	6	18.65	22.30	23.27	o	0	3	7	429.77	393.02	13.07	o	4	8	7	394.65	399.84	23.91	o
10	8	6	26.25	-31.09	40.00	o	1	3	7	72.24	67.71	8.01	o	5	8	7	395.98	377.66	24.10	o
-10	9	6	0.02	-32.08	32.08	o	2	3	7	96.31	96.73	9.46	o	6	8	7	200.58	211.23	19.60	o
-9	9	6	56.96	80.87	15.29	o	3	3	7	828.40	739.08	33.05	o	7	8	7	23.00	43.89	11.75	o
-8	9	6	32.20	-23.43	36.17	o	4	3	7	48.30	26.84	9.17	o	8	8	7	0.79	18.70	12.58	o
-7	9	6	16.73	23.81	23.91	o	5	3	7	365.27	346.39	18.83	o	9	8	7	0.12	20.50	21.82	o
-6	9	6	19.67	38.07	11.71	o	6	3	7	336.53	339.98	18.47	o	10	8	7	16.03	56.31	13.61	o
-5	9	6	151.86	134.74	16.73	o	7	3	7	657.16	619.69	28.77	o	-9	9	7	28.66	31.41	31.76	o
-4	9	6	142.14	171.84	15.38	o	8	3	7	145.67	148.80	14.48	o	-8	9	7	0.05	2.48	20.18	o
-3	9	6	18.75	19.73	9.94	o	9	3	7	1.68	1.90	16.12	o	-7	9	7	6.41	14.74	16.41	o
-2	9	6	9.31	-0.51	26.07	o	10	3	7	5.27	14.61	21.79	o	-6	9	7	4.00	16.70	11.13	o
-1	9	6	715.36	657.76	34.53	o	11	3	7	8.81	14.38	20.40	o	-5	9	7	0.48	-24.52	24.52	o
0	9	6	40.81	12.98	18.95	o	12	3	7	76.12	99.15	14.96	o	-4	9	7	49.05	38.23	14.35	o
1	9	6	139.71	133.93	14.93	o	13	3	7	17.69	13.61	28.48	o	-3	9	7	0.03	-18.05	21.46	o
2	9	6	39.01	49.88	11.23	o	-13	4	7	2.73	9.04	12.39	o	-2	9	7	7.77	4.38	15.45	o
3	9	6	18.60	-10.75	24.07	o	-12	4	7	74.75	32.73	32.86	o	-1	9	7	8.36	-16.48	23.75	o
4	9	6	161.55	180.75	16.57	o	-11	4	7	30.50	-1.35	29.61	o	0	9	7	292.46	284.10	41.85	o
5	9	6	40.17	58.82	14.00	o	-10	4	7	14.15	-9.20	21.56	o	1	9	7	47.59	82.93	14.06	o
6	9	6	12.24	-14.03	24.07	o	-9	4	7	33.29	51.55	11.04	o	2	9	7	23.33	35.66	11.39	o
7	9	6	2.99	18.44	22.27	o	-8	4	7	141.03	127.18	15.48	o	3	9	7	283.46	278.74	20.56	o
8	9	6	13.31	-1.71	32.63	o	-7	4	7	188.51	171.52	14.90	o	4	9	7	0.18	11.46	24.62	o
9	9	6	5.71	8.69	30.28	o	-6	4	7	23.16	-9.65	19.34	o	5	9	7	22.52	15.06	25.74	o
-8	10	6	31.61	36.01	14.29	o	-5	4	7	1.41	5.50	10.78	o	6	9	7	2.77	9.81	29.70	o
-7	10	6	5.48	9.81	12.20	o	-4	4	7	24.56	19.60	8.43	o	7	9	7	10.05	-20.63	22.20	o
-6	10	6	21.93	41.61	10.59	o	-3	4	7	220.17	196.56	12.52	o	8	9	7	0.18	-33.37	33.37	o
-5	10	6	2.50	-19.28	26.55	o	-2	4	7	70.06	69.70	9.33	o	9	9	7	44.88	68.16	14.74	o
-4	10	6	0.34	2.64	18.09	o	-1	4	7	708.94	653.64	30.09	o	-8	10	7	9.68	4.02	24.65	o
-3	10	6	39.06	12.20	18.44	o	0	4	7	638.20	652.19	21.77	o	-7	10	7	14.61	-13.84	33.85	o
-2	10	6	0.56	-3.12	22.33	o	1	4	7	44.04	55.77	8.08	o	-6	10	7	29.35	39.32	13.87	o
-1	10	6	6.35	-6.15	21.88	o	2	4	7	21.58	0.06	15.22	o	-5	10	7	26.92	-24.81	28.96	o
0	10	6	0.97	-14.09	27.98	o	3	4	7	41.55	38.42	7.85	o	-4	10	7	0.14	-3.83	24.30	o
1	10	6	50.56	67.10	12.90	o	4	4	7	173.42	148.00	13.74	o	-3	10	7	30.54	34.98	12.52	o
2	10	6	15.30	-38.74	38.74	o	5	4	7	305.41	343.65	17.15	o	-2	10	7	87.88	93.84	15.58	o
3	10	6	12.51	-28.38	28.38	o	6	4	7	161.43	145.04	13.32	o	-1	10	7	39.85	28.45	13.45	o
4	10	6	12.37	2.45	30.15	o	7	4	7	31.22	28.93	9.40	o	0	10	7	3.73	8.40	14.98	o
5	10	6	20.58	15.77	32.02	o	8	4	7	31.46	-18.25	23.75	o	1	10	7	98.36	67.61	17.35	o
6	10	6	1.38	-23.11	26.23	o	9	4	7	22.54	25.23	10.78	o	2	10	7	141.60	158.87	17.51	o
7	10	6	5.31	-40.58	40.58	o	10	4	7	2.17	10.88	19.21	o	3	10	7	69.21	83.64	14.77	o
8	10	6	1.95	-2.86	24.10	o	11	4	7	53.76	64.39	16.19	o	4	10	7	1.39	0.26	13.93	o
-6	11	6	9.70	-5.47	28.06	o	12	4	7	2.46	7.27	17.80	o	5	10	7	47.49	60.66	14.51	o
-5	11	6	0.20	-0.06	25.36	o	13	4	7	0.12	16.41	25.42	o	6	10	7	46.61	14.87	31.47	o
-4	11	6	195.40	233.85	21.95	o	-13	5	7	2.29	-19.21	19.21	o	7	10	7	0.76	-37.10	37.10	o
-3	11	6	11.87	-34.79	34.79	o	-12	5	7	19.24	-39.48	39.48	o	-5	11	7	47.56	63.62	15.51	o
-2	11	6	9.44	3.83	23.88	o	-11	5	7	55.18	69.51	14.19	o	-4	11	7	1.71	-26.16	29.57	o
-1	11	6	116.87	114.40	16.57	o	-10	5	7	56.33	49.17	14.48	o	-3	11	7	6.87	10.65	14.00	o
0	11	6	22.77	-28.61	33.97	o	-9	5	7	176.72	180.43	16.93	o	-2	11	7	1.68	14.51	25.52	o
1	11	6	1.92	-32.98	32.98	o	-8	5	7	21.71	47.11	9.98	o	-1	11	7	3.17	22.88	23.85	o
2	11	6	1.35	21.88	12.16	o	-7	5	7	25.27	18.95	11.39	o	0	11	7	22.05	37.21	9.93	o
3	11	6	45.52	31.15	16.09	o	-6	5	7	49.26	59.21	11.17	o	1	11	7	6.13	-11.68	21.79	o
4	11	6	0.90	13.52	17.57	o	-5	5	7	589.62	592.18	26.97	o	2	11	7	0.66	14.61	25.71	o
5	11	6	26.97	33.76	15.48	o	-4	5	7	451.27	417.05	20.14	o	3	11	7	7.59	-29.51	29.51	o
6	11	6	33.89	62.17	13.19	o	-3	5	7	61.98	98.05	10.39	o	4	11	7	2.50	13.77	22.27	o
-3	12	6	0.02	27.13	28.83	o	-2	5	7	183.81	183.10	13.81	o	5	11	7	2.50	29.12	14.87	o
-2	12	6	8.12	7.56	19.53	o	-1	5	7	755.27	866.28	46.95	o	-14	0	8	62.28	-8.33	26.16	o
-1	12	6	11.58	17.70	23.04	o	0	5	7	28.69	30.89	5.82	o	-13	0	8	78.90	74.66	17.57	o
0	12	6	0.36	-20.99	20.99	o	1	5	7	155.20	140.59	11.49	o	-12	0	8	33.00	51.23	13.87	o
1	12	6	4.89	8.17	17.18	o	2	5	7	7.87	1.00	9.88	o	-11	0	8	923.07	947.86	50.46	o
2	12	6	30.63	2.22	28.99	o	3	5	7	186.12	190.28	13.87	o	-10	0	8	342.71	347.87	22.08	o
-14	1	7	45.43	70.83	14.80	o	4	5	7	192.45	188.06	14.87	o	-9	0	8	74.07	65.16	11.65	o
-13	1	7	296.23	283.09	24.75	o	5	5	7	41.14	46.98	10.14	o	-8	0	8	0.96	-0.42	11.75	o
-12	1	7	291.63	292.26	21.95	o	6	5	7	66.51	77.36	11.23	o	-7	0	8	101.63	99.28	11.84	o
-11	1	7	2.03	-25.58	25.58	o	7	5	7	26.70	45.79	9.91	o	-6	0	8	150.39	148.25	11.97	o
-10	1	7	38.29	37.97	12.49	o	8	5	7	368.17	335.89	21.79	o	-5	0	8	44.38	64.91	8.91	o
-9	1	7	104.47	97.15	13.39	o	9	5	7	75.04	82.54	12.90	o	-4	0	8	386.06	331.04	17.76	o
-8	1	7	178.69	166.53	14.22	o	10	5	7	3.05	16.70	22.43	o	-3	0	8	173.04	144.68	11.04	o
-7	1	7	12.09	30.38	7.98	o	11	5	7	45.19	-40.32	40.32	o	-2	0	8	3122.78	3302.05	102.78	o
-6	1	7	125.28	111.83	10.27	o	12	5	7	8.44	-33.63	33.63	o	-1	0	8	8687.35	9455.28	239.81	o
-5	1	7	132.95	107.19	10.39	o	-12	6	7	21.98	17.99	19.69	o	0	0	8	462.03	480.58	21.87	o
-4	1	7	150.93	195.94	11.39	o	-11	6	7	2.72	-21.59	23.94	o	1	0	8	8.34	-6.21	14.74	o
-3	1	7	734.40	682.09	28.90	o	-10	6	7	87.50	59.34	16.03	o	2	0	8	1945.43	1708.69	68.00	o
-2	1	7	598.67	753.72	38.87	o	-9	6	7	1.75	1.03	20.14	o	3	0	8	1765.19	1858.17	73.08	o
-1	1	7	11449.11	11909.48	289.14	o	-8	6	7	26.97	14.09	15.35	o	4	0	8	39.50	29.51	8.79	o
0	1	7	1056.24	1058.98	49.88	o	-7	6	7	476.59	465.48	24.10	o	5	0	8	559.19	569.94	29.86	o
1	1	7	1096.68	1098.40	47.95	o	-6	6	7	19.12	4.63	20.08	o	6	0	8	471.87	486.30	25.00	o
2	1	7	117.14	112.21	9.07	o	-5	6	7	433.49	453.67	22.49	o	7	0	8	823.70	781.78	37.65	o
3	1	7	900.56	901.62	44.47	o	-4	6	7	359.64	345.74	19.11	o	8	0	8	1.32	-21.69	21.69	o
4	1	7	5868.34	5895.27	164.54	o	-3	6	7	71.14	68.67	10.46	o	9	0	8	23.39	-1.45	22.40	o
5	1	7	258.51	245.63	14.48	o	-2	6	7	472.07	460.78	23.75	o	10	0	8	363.25	371.13	22.33	o
6	1	7	0.01	7.92	11.04	o	-1	6	7	4.57	15.19	7.95	o	11	0	8	63.08	72.79	14.42	o
7	1	7	294.18	272.08	15.99	o	0	6	7	4.30	-12.48	29.78	o	12	0	8	8.14	19.76	20.63	o
8	1	7	647.35	598.97	29.57	o	1	6	7	213.85	213.67	15.64	o	13	0	8	39.03	55.22	15.12	o
9	1	7	246.26	216.41	16.73	o	2	6	7	13.89	12.39	22.08	o	-14	1	8	21.91	12.58	15.86	o

-13	1	8	4.86	0.35	24.20	o	9	5	8	113.09	138.95	16.06	o	5	1	9	15.03	-8.72	17.60	o
-12	1	8	38.64	25.29	31.15	o	10	5	8	1.32	-5.89	21.88	o	6	1	9	36.18	29.86	9.88	o
-11	1	8	35.14	56.28	12.68	o	11	5	8	42.49	-5.76	27.74	o	7	1	9	161.12	163.41	15.38	o
-10	1	8	1.93	-14.74	21.40	o	12	5	8	14.82	11.39	19.82	o	8	1	9	385.64	402.35	22.59	o
-9	1	8	221.19	245.11	17.67	o	-12	6	8	22.59	16.41	20.34	o	9	1	9	6.71	-11.62	20.88	o
-8	1	8	3.11	12.49	9.07	o	-11	6	8	128.25	128.66	18.86	o	10	1	9	7.08	-0.61	23.59	o
-7	1	8	208.80	240.38	15.06	o	-10	6	8	39.22	59.85	13.64	o	11	1	9	14.17	-25.71	25.71	o
-6	1	8	125.58	107.26	11.68	o	-9	6	8	0.07	-14.32	24.88	o	12	1	9	45.67	37.10	13.61	o
-5	1	8	221.97	215.38	14.32	o	-8	6	8	136.05	152.47	15.03	o	13	1	9	69.07	-8.46	37.52	o
-4	1	8	83.75	72.28	9.30	o	-7	6	8	173.78	198.49	17.47	o	-13	2	9	0.26	24.65	11.81	o
-3	1	8	60.73	55.45	9.43	o	-6	6	8	736.81	713.30	34.24	o	-12	2	9	83.56	76.14	16.44	o
-2	1	8	1525.22	1661.36	65.10	o	-5	6	8	555.77	511.50	27.58	o	-11	2	9	7.82	-18.70	26.58	o
-1	1	8	1598.32	1656.62	64.52	o	-4	6	8	56.48	53.87	11.71	o	-10	2	9	147.44	131.07	15.80	o
0	1	8	1812.50	1843.55	48.79	o	-3	6	8	258.97	224.39	16.67	o	-9	2	9	0.01	-0.74	11.58	o
1	1	8	103.48	133.61	10.10	o	-2	6	8	495.63	490.78	25.94	o	-8	2	9	109.33	116.23	13.39	o
2	1	8	21.97	13.32	16.09	o	-1	6	8	116.37	121.45	12.74	o	-7	2	9	2.05	-5.21	19.37	o
3	1	8	9.16	14.06	16.51	o	0	6	8	19.56	30.20	6.79	o	-6	2	9	1075.09	1095.89	46.11	o
4	1	8	603.21	525.27	24.39	o	1	6	8	292.73	306.93	18.12	o	-5	2	9	33.64	18.31	9.46	o
5	1	8	3.59	13.71	15.61	o	2	6	8	85.81	84.89	11.84	o	-4	2	9	286.84	303.78	15.93	o
6	1	8	8.31	-2.12	16.93	o	3	6	8	26.13	16.15	19.60	o	-3	2	9	129.04	95.86	10.72	o
7	1	8	8.37	-0.48	10.94	o	4	6	8	16.61	11.81	20.21	o	-2	2	9	28.28	35.14	8.21	o
8	1	8	18.72	1.00	21.59	o	5	6	8	4.31	6.47	15.58	o	-1	2	9	135.69	148.16	11.49	o
9	1	8	0.34	-15.29	17.83	o	6	6	8	108.92	116.62	15.29	o	0	2	9	2.35	2.57	8.97	o
10	1	8	2.15	14.83	21.79	o	7	6	8	131.92	132.97	16.35	o	1	2	9	161.25	144.65	11.84	o
11	1	8	13.64	16.67	22.37	o	8	6	8	42.57	27.45	32.60	o	2	2	9	181.94	178.21	12.58	o
12	1	8	0.01	14.61	29.35	o	9	6	8	6.94	-0.23	23.75	o	3	2	9	540.22	582.84	29.70	o
13	1	8	5.45	9.59	12.90	o	10	6	8	115.84	98.05	18.21	o	4	2	9	11.25	5.28	18.44	o
-14	2	8	26.18	8.88	25.26	o	11	6	8	9.61	-13.87	28.80	o	5	2	9	18.61	5.99	9.94	o
-13	2	8	22.00	12.23	29.16	o	-11	7	8	5.15	18.79	19.50	o	6	2	9	201.31	220.63	16.09	o
-12	2	8	0.15	-0.74	17.63	o	-10	7	8	9.32	13.71	16.44	o	7	2	9	65.76	66.10	12.07	o
-11	2	8	422.91	389.54	25.20	o	-9	7	8	12.98	-9.27	15.74	o	8	2	9	10.83	13.81	19.92	o
-10	2	8	191.06	174.16	17.47	o	-8	7	8	76.02	26.19	32.53	o	9	2	9	8.86	9.01	21.27	o
-9	2	8	27.11	27.77	10.52	o	-7	7	8	69.12	46.79	14.35	o	10	2	9	33.16	-19.57	32.08	o
-8	2	8	188.30	209.65	15.80	o	-6	7	8	397.74	404.31	24.42	o	11	2	9	0.35	16.83	11.78	o
-7	2	8	415.55	403.05	20.79	o	-5	7	8	409.82	443.09	23.27	o	12	2	9	9.63	-1.03	26.84	o
-6	2	8	756.18	764.21	36.40	o	-4	7	8	138.57	82.83	14.90	o	-13	3	9	40.08	12.23	25.68	o
-5	2	8	0.05	10.20	14.42	o	-3	7	8	7.95	-16.19	20.47	o	-12	3	9	0.08	9.88	26.71	o
-4	2	8	110.12	111.63	10.81	o	-2	7	8	149.13	133.29	14.29	o	-11	3	9	117.82	132.16	16.41	o
-3	2	8	2170.31	2316.19	83.51	o	-1	7	8	18.29	-11.26	16.44	o	-10	3	9	61.81	93.32	13.48	o
-2	2	8	210.90	176.86	12.32	o	0	7	8	35.40	44.54	7.85	o	-9	3	9	7.50	16.25	10.30	o
-1	2	8	902.47	927.65	48.50	o	1	7	8	18.18	-9.30	22.20	o	-8	3	9	98.60	81.42	14.67	o
0	2	8	4.38	-9.78	9.78	o	2	7	8	96.08	104.23	13.29	o	-7	3	9	19.37	14.93	23.30	o
1	2	8	2.56	-0.23	15.00	o	3	7	8	97.20	114.59	13.68	o	-6	3	9	7.47	-8.85	21.30	o
2	2	8	307.81	293.74	15.90	o	4	7	8	615.55	575.76	28.45	o	-5	3	9	1095.10	1139.59	61.24	o
3	2	8	380.87	451.13	24.30	o	5	7	8	31.39	26.65	12.68	o	-4	3	9	1146.25	1078.29	58.41	o
4	2	8	0.02	-10.91	15.67	o	6	7	8	2.74	-19.73	24.04	o	-3	3	9	183.11	171.42	13.55	o
5	2	8	169.51	175.28	12.29	o	7	7	8	28.35	42.12	13.45	o	-2	3	9	51.44	41.87	9.98	o
6	2	8	488.67	500.33	25.10	o	8	7	8	39.39	17.12	23.33	o	-1	3	9	824.02	832.17	36.33	o
7	2	8	214.50	183.52	14.74	o	9	7	8	92.84	122.54	15.96	o	0	3	9	1080.32	1123.88	40.82	o
8	2	8	0.00	-11.33	21.40	o	10	7	8	9.09	25.71	10.59	o	1	3	9	259.01	278.87	15.96	o
9	2	8	11.61	12.36	14.74	o	-10	8	8	115.58	117.78	19.86	o	2	3	9	324.14	292.32	16.86	o
10	2	8	366.96	348.38	24.07	o	-9	8	8	2.12	10.20	14.29	o	3	3	9	270.57	282.54	16.03	o
11	2	8	136.34	149.54	18.28	o	-8	8	8	1.47	-5.25	20.69	o	4	3	9	119.25	105.78	11.78	o
12	2	8	0.98	-19.05	19.05	o	-7	8	8	116.78	173.71	16.57	o	5	3	9	3.00	-21.11	21.11	o
13	2	8	30.55	-39.45	44.54	o	-6	8	8	0.91	-25.62	25.62	o	6	3	9	71.25	45.41	11.84	o
-13	3	8	18.63	-30.60	30.60	o	-5	8	8	15.68	19.92	11.04	o	7	3	9	135.10	171.45	15.48	o
-12	3	8	11.71	-32.57	32.57	o	-4	8	8	89.75	90.62	13.68	o	8	3	9	58.83	66.07	13.10	o
-11	3	8	1.54	3.73	14.71	o	-3	8	8	8.81	16.28	10.04	o	9	3	9	14.96	17.63	12.00	o
-10	3	8	242.79	236.36	19.73	o	-2	8	8	6.67	10.81	21.62	o	10	3	9	2.22	-25.45	26.32	o
-9	3	8	209.17	164.92	17.67	o	-1	8	8	42.58	59.98	11.65	o	11	3	9	50.75	54.29	13.45	o
-8	3	8	84.49	95.22	12.81	o	0	8	8	56.53	54.11	20.97	o	12	3	9	129.72	164.28	18.92	o
-7	3	8	366.04	343.13	20.05	o	1	8	8	60.89	4.51	30.54	o	-12	4	9	1.92	17.22	21.91	o
-6	3	8	26.62	17.83	20.14	o	2	8	8	324.87	308.03	22.20	o	-11	4	9	86.95	-43.83	43.83	o
-5	3	8	526.56	517.36	25.49	o	3	8	8	142.52	129.72	16.22	o	-10	4	9	42.81	57.89	12.45	o
-4	3	8	241.05	246.72	14.90	o	4	8	8	165.01	160.48	18.95	o	-9	4	9	2.02	0.87	16.03	o
-3	3	8	87.42	84.31	10.10	o	5	8	8	122.82	112.05	16.41	o	-8	4	9	2.88	6.47	10.68	o
-2	3	8	189.05	189.60	12.16	o	6	8	8	44.96	-0.45	28.93	o	-7	4	9	39.37	10.04	18.83	o
-1	3	8	253.39	277.04	14.26	o	7	8	8	39.25	49.27	14.22	o	-6	4	9	607.41	586.48	28.96	o
0	3	8	33.16	64.26	5.66	o	8	8	8	1.10	-27.77	27.77	o	-5	4	9	11.37	10.30	13.19	o
1	3	8	267.89	261.46	15.03	o	9	8	8	0.25	-23.85	31.70	o	-4	4	9	187.91	201.54	14.48	o
2	3	8	0.10	7.56	13.90	o	-9	9	8	76.18	119.16	17.18	o	-3	4	9	368.75	336.67	19.24	o
3	3	8	0.13	7.92	14.55	o	-8	9	8	22.31	14.74	31.99	o	-2	4	9	283.35	268.35	16.93	o
4	3	8	1072.30	1061.68	57.12	o	-7	9	8	1.74	1.48	22.08	o	-1	4	9	59.51	51.71	10.56	o
5	3	8	8.28	4.38	16.44	o	-6	9	8	7.90	16.22	20.14	o	0	4	9	0.22	-11.52	11.52	o
6	3	8	113.14	123.67	12.20	o	-5	9	8	41.84	19.76	29.54	o	1	4	9	228.89	230.96	15.41	o
7	3	8	11.86	7.95	14.13	o	-4	9	8	6.23	-3.83	14.83	o	2	4	9	167.58	164.44	14.74	o
8	3	8	1.49	9.53	8.30	o	-3	9	8	0.32	1.77	19.05	o	3	4	9	61.24	49.81	10.49	o
9	3	8	4.62	4.67	17.31	o	-2	9	8	9.27	45.12	11.58	o	4	4	9	65.95	20.24	25.94	o
10	3	8	37.60	-3.12	27.26	o	-1	9	8	0.05	-25.65	25.65	o	5	4	9	17.09	6.08	13.19	o
11	3	8	20.14	-9.75	28.09	o	0	9	8	161.93	164.88	11.86	o	6	4	9	66.86	24.46	25.49	o
12	3	8	12.94	-11.75	25.52	o	1	9	8	4.38	-6.15	27.00	o	7	4	9	0.60	-10.78	19.73	o
13	3	8	0.00	19.08	28.00	o	2	9	8	0.03	14.03	10.78	o	8	4	9	16.94	45.70	11.65	o
-13	4	8	5.49	-12.81	21.40	o	3	9	8	0.16	-15.67	21.59	o	9	4	9	140.29	116.20	14.42	o
-12	4	8	3.62	-19.31	31.34	o	4	9	8	452.52	491.48	26.77	o	10	4	9	0.86	-19.11	26.32	o
-11	4	8	265.87	252.07	21.82	o	5	9	8	10.16	0.55	22.65	o	11	4	9	44.06	30.38	16.03	o
-10	4	8	7.94	15.99	11.39	o	6	9	8	4.85	19.95	21.01	o	12	4	9	4.69	3.54	26.77	o
-9	4	8	0.08	17.25	21.08	o	7	9	8	8.62	0.16	24.84	o	-12	5	9	35.31	16.15	22.14	o
-8	4	8	281.69	280.83	18.37	o	8	9	8	68.88	61.82	16.64	o	-11	5	9	96.21	117.52	16.77	o
-7	4	8	1317.60	1288.07	55.06	o	-7	10	8	22.77	20.79	23.85	o	-10	5	9	22.45	28.67	12.39	o
-6	4	8	641.96	637.20	34.59	o	-6	10	8	5.32	-30.38	30.38	o	-9	5	9	55.58	50.55	13.19	o
-5	4	8	138.25	148.61	14.29	o	-5	10	8	0.19	14.55	12.78	o	-8	5	9	77.14	78.84	12.04	o
-4	4	8	977.94	947.12	41.61	o	-4	10	8	0.37	-7.76	25.10	o	-7	5	9	1.36	3.28	19.66	o
-3	4	8	1380.95	1258.53	60.98	o	-3	10	8	0.54	-4.96	26.39	o	-6	5	9	84.94	120.42	13.13	o
-2	4	8	1328.30	1370.35	64.04	o	-2	10	8	29.50	28.64	12.84	o	-5	5	9	350.95	316.72	19.53	o
-1	4	8	153.89	188.64	12.84	o	-1	10	8	76.37	26.77	34.56	o	-4	5	9	567.45	610.39	28.93	o
0	4	8	11.44	2.92	13.40	o	0	10	8	1.15	17.85	13.38	o	-3	5	9	765.85	784.52	39.74	o
1	4	8	17.07	15.96	8.21	o	1	10	8	28.79	31.38	13.32	o	-2	5	9	410.41	375.31	19.82	o
2	4	8	17.12	32.21	7.66	o	2	10	8	13.37	41.25	12.29	o	-1	5	9	397.84	394.94	20.79	o
3	4	8	13.46	20.34	7.66	o	3	10	8	1.72	30.25	10.91	o	0	5	9	1256.21	1111.64	35.53	o
4	4	8	28.43	45.37	9.20	o	4	10	8	0.90	6.34	26.48	o	1	5	9	100.12	100.21	12.58	o
5	4	8	40.11	54.03	9.98	o	5	10	8	3.29	5.76	23.62	o	2	5	9	27.77	32.53	9.49	o
6	4	8	158.81	150.92	14.13	o	6	10	8	7.45	-36.20	36.20	o	3	5	9	265.38	273.92	18.09	o
7	4	8	20.57	6.85	11.49	o	-4	11	8	7.64	40.87	13.39	o	4	5	9	311.23	309.64	18.50	o
8	4	8	0.79	15.41	17.54	o	-3	11	8	0.13	-30.38	30.38	o	5	5	9	7.33	14.03	9.27	o
9	4	8	191.95	235.59	18.21	o	-2	11	8	3.13	-32.18	32.18	o	6	5	9	5.08	28.32	10.01	o
10	4	8	143.74	144.26	17.89	o	-1	11	8	45.46	80.68	15.83	o	7	5	9	49.78	-12.00	30.22	o
11	4	8	136.39	139.60	17.35	o	0	11	8	40.49	59.01	11.32	o	8	5	9	111.59	138.60	14.71	o
12	4	8	2.59	12.84	13.84	o	1	11	8	9.07	-12.49	20.82	o	9	5	9	8.12	3.96	22.11	o
-12	5	8	1.42	-25.52	29.12	o	2	11	8	2.48	13.71	22.17	o	10	5	9	0.02	1.64	19.34	o
-11	5	8	15.02	15.51	27.61	o	3	11	8	56.77	68.99	17.67	o	11	5	9	31.35	29.77	33.02	o
-10	5	8	67.22	82.25	12.94	o	4	11	8	5.97	-32.41	32.41	o	-11	6	9	9.51	-7.56	25.07	o
-9	5	8	74.02	65.61	13.93	o	-13	1	9	14.91	45.57	14.03	o	-10	6	9	1.95	-21.79	24.17	o
-8	5	8	0.78	2.41	21.17	o	-12	1	9	272.23	280.64	22.17	o	-9	6	9	37.55	59.02	13.13	o
-7	5	8	0.99	11.62	22.43	o	-11	1	9	343.58	340.08	24.36	o	-8	6	9	8.83	13.87	16.48	o
-6	5	8	1.92	4.44	12.26	o	-10	1	9	10.76	9.69	14.16	o	-7	6	9	62.73	79.23	13.19	o
-5	5	8	576.55	591.31	28.83	o	-9	1	9	16.33	17.06	11.46	o	-6	6	9	220.40	217.92	19.08	o
-4	5	8	618.31	562.18	27.77	o	-8	1	9	52.56	79.36	11.30	o	-5	6	9	11.78	9.11	18.09	o
-3	5	8	2.33	-6.24	16.89	o	-7	1	9	277.43	253.22	17.18	o	-4	6	9	24.41	-7.40	23.14	o
-2	5	8	335.50	295.96	17.22	o	-6	1	9	122.86	122.16	13.03	o	-3	6	9	307.24	295.67	18.76	o
-1	5	8	220.91	200.90	13.93	o	-5	1	9	11.36	-10.75	21.53	o	-2	6	9	5.50	15.83	21.14	o
0	5	8	20.36	9.93	12.77	o	-4	1	9	88.85	66.81	10.23	o	-1	6	9	194.63	189.09	16.15	o
1	5	8	4.52	8.01	10.52	o	-3	1	9	42.66	0.10	18.99	o	0	6	9	299.90	270.29	13.00	o
2	5	8	79.89	76.04	10.23	o	-2	1	9	1338.53	1380.10	63.27	o	1	6	9	80.13	80.87	12.36	o
3	5	8	16.61	6.24	18.05	o	-1	1	9	126.00	127.63	11.55	o	2	6	9	157.16	174.00	15.16	o
4	5	8	266.21	272.89	17.38	o	0	1	9	359.73	374.52	13.58	o	3	6	9	239.78	246.82	17.31	o
5	5	8	4.11	2.80	12.65	o	1	1	9	0.51	1.74	15.25	o	4	6	9	0.23	4.02	22.30	o
6	5	8	29.39	5.08	15.22	o	2	1	9	427.88	453.22	21.30	o	5	6	9	328.84	334.06	21.46	o
7	5	8	91.59	88.95	13.39	o	3	1	9	879.55	884.24	38.55	o	6	6	9	39.76	42.83	12.52	o
8	5	8	19.80	13.93	17.57	o	4	1	9	514.05	528.46	25.45	o	7	6	9	2.02	13.58	14.42	o

8	6	9	3.12	-30.70	30.70	o	12	1	10	0.34	21.40	29.41	o	-2	7	10	15.69	26.81	9.94	o
9	6	9	0.30	-24.88	24.88	o	-13	2	10	77.56	68.35	17.60	o	-1	7	10	3.81	-0.35	21.30	o
10	6	9	61.00	12.49	34.50	o	-12	2	10	134.99	166.69	18.50	o	0	7	10	83.25	90.66	9.73	o
11	6	9	17.14	-29.28	33.05	o	-11	2	10	0.68	-9.27	27.26	o	1	7	10	0.01	6.73	19.11	o
-10	7	9	0.04	-29.12	29.12	o	-10	2	10	1.35	29.70	10.07	o	2	7	10	201.02	219.02	19.40	o
-9	7	9	62.10	67.29	14.03	o	-9	2	10	26.92	52.36	12.16	o	3	7	10	20.89	-29.35	29.35	o
-8	7	9	79.14	67.51	14.96	o	-8	2	10	87.19	107.48	13.42	o	4	7	10	405.39	421.01	25.33	o
-7	7	9	0.14	14.13	16.77	o	-7	2	10	57.14	71.18	12.45	o	5	7	10	54.23	41.13	15.19	o
-6	7	9	59.50	58.57	14.29	o	-6	2	10	15.21	26.36	9.11	o	6	7	10	212.06	231.37	18.73	o
-5	7	9	0.41	-7.59	17.06	o	-5	2	10	6.35	-2.54	18.50	o	7	7	10	66.34	0.06	34.21	o
-4	7	9	64.77	67.67	10.56	o	-4	2	10	70.76	83.70	11.78	o	8	7	10	0.68	-8.27	26.10	o
-3	7	9	0.02	13.26	21.34	o	-3	2	10	111.29	102.69	11.07	o	9	7	10	20.95	12.36	22.04	o
-2	7	9	70.78	79.65	12.61	o	-2	2	10	166.11	177.60	13.39	o	-9	8	10	9.42	27.16	28.87	o
-1	7	9	62.81	70.35	11.26	o	-1	2	10	16.24	4.34	11.01	o	-8	8	10	36.64	29.48	15.45	o
0	7	9	109.67	115.80	9.49	o	0	2	10	15.30	29.83	5.67	o	-7	8	10	99.67	76.65	16.89	o
1	7	9	44.54	9.62	25.97	o	1	2	10	496.85	464.26	24.01	o	-6	8	10	142.29	119.13	17.44	o
2	7	9	137.83	134.29	13.97	o	2	2	10	384.31	402.64	21.56	o	-5	8	10	7.68	18.21	21.72	o
3	7	9	0.04	-2.35	19.47	o	3	2	10	195.22	191.12	13.81	o	-4	8	10	0.95	20.11	22.91	o
4	7	9	681.01	624.81	33.43	o	4	2	10	472.29	469.86	24.88	o	-3	8	10	12.15	9.81	27.61	o
5	7	9	1.05	-14.48	25.74	o	5	2	10	475.04	472.98	25.62	o	-2	8	10	17.57	9.85	15.61	o
6	7	9	0.58	-3.09	22.17	o	6	2	10	445.33	447.98	23.23	o	-1	8	10	6.89	20.66	9.46	o
7	7	9	40.14	-5.05	21.72	o	7	2	10	18.27	20.34	22.65	o	0	8	10	109.70	113.62	10.80	o
8	7	9	50.62	41.77	14.55	o	8	2	10	311.31	294.64	20.18	o	1	8	10	7.84	25.94	10.78	o
9	7	9	34.13	45.21	13.81	o	9	2	10	3.36	3.80	26.61	o	2	8	10	10.91	-25.74	31.73	o
10	7	9	9.18	28.06	32.53	o	10	2	10	157.57	163.09	19.86	o	3	8	10	0.73	-28.54	28.54	o
-9	8	9	1.18	13.13	16.54	o	11	2	10	2.64	20.40	21.50	o	4	8	10	0.59	-22.75	27.13	o
-8	8	9	25.67	26.68	29.64	o	12	2	10	16.17	23.36	14.26	o	5	8	10	45.69	40.13	15.58	o
-7	8	9	147.38	115.98	18.18	o	-12	3	10	0.44	10.46	16.96	o	6	8	10	24.04	6.31	26.32	o
-6	8	9	217.60	249.81	19.44	o	-11	3	10	9.80	-30.99	30.99	o	7	8	10	29.84	13.45	14.77	o
-5	8	9	18.71	30.12	11.97	o	-10	3	10	0.04	-6.40	22.78	o	8	8	10	0.54	19.08	28.00	o
-4	8	9	27.82	-9.07	30.54	o	-9	3	10	20.49	25.58	12.13	o	-7	9	10	21.48	55.45	12.26	o
-3	8	9	1.68	12.20	22.01	o	-8	3	10	15.57	11.71	13.71	o	-6	9	10	116.37	90.52	20.43	o
-2	8	9	9.05	-20.02	24.94	o	-7	3	10	79.29	84.31	12.13	o	-5	9	10	6.09	-35.53	35.53	o
-1	8	9	33.79	38.58	12.42	o	-6	3	10	80.86	64.62	12.94	o	-4	9	10	1.82	11.94	22.59	o
0	8	9	26.62	15.24	12.84	o	-5	3	10	79.59	98.02	11.62	o	-3	9	10	12.71	-42.32	42.32	o
1	8	9	215.52	202.19	21.27	o	-4	3	10	51.41	25.74	27.26	o	-2	9	10	123.26	78.36	18.70	o
2	8	9	11.51	-5.63	20.72	o	-3	3	10	12.38	6.24	18.12	o	-1	9	10	2.81	-17.18	23.20	o
3	8	9	61.02	27.90	34.92	o	-2	3	10	0.16	-15.74	18.86	o	0	9	10	30.62	-27.98	53.23	o
4	8	9	197.14	206.43	19.86	o	-1	3	10	123.11	142.36	12.39	o	1	9	10	23.06	28.83	12.58	o
5	8	9	5.73	19.95	23.04	o	0	3	10	0.76	2.32	10.31	o	2	9	10	11.98	-9.11	32.08	o
6	8	9	44.40	68.45	14.26	o	1	3	10	180.94	189.64	14.38	o	3	9	10	87.39	115.27	16.03	o
7	8	9	0.04	4.99	22.17	o	2	3	10	19.92	-3.89	20.66	o	4	9	10	49.76	29.25	35.72	o
8	8	9	1.16	2.38	27.51	o	3	3	10	73.48	66.74	11.36	o	5	9	10	0.76	28.09	14.00	o
9	8	9	9.71	24.17	37.62	o	4	3	10	435.84	416.54	21.34	o	6	9	10	10.44	-1.64	28.22	o
-8	9	9	26.58	42.90	12.61	o	5	3	10	139.51	114.85	13.19	o	-5	10	10	0.13	-9.49	28.38	o
-7	9	9	34.97	10.01	27.84	o	6	3	10	0.10	-0.58	15.38	o	-4	10	10	0.14	-6.47	29.73	o
-6	9	9	33.50	41.51	14.58	o	7	3	10	8.16	11.55	10.04	o	-3	10	10	0.50	22.40	27.19	o
-5	9	9	7.72	-2.86	22.94	o	8	3	10	16.60	-12.23	26.90	o	-2	10	10	7.32	22.40	32.15	o
-4	9	9	4.39	-13.52	23.23	o	9	3	10	7.35	8.53	24.91	o	-1	10	10	0.15	-27.87	27.87	o
-3	9	9	15.28	-16.09	27.29	o	10	3	10	30.88	-9.33	27.48	o	0	10	10	16.89	-10.00	37.23	o
-2	9	9	10.95	1.38	26.32	o	11	3	10	14.34	18.31	19.37	o	1	10	10	12.13	31.79	14.19	o
-1	9	9	11.84	5.89	29.09	o	12	3	10	0.31	16.73	25.90	o	2	10	10	0.00	12.32	30.22	o
0	9	9	1.44	-0.52	15.83	o	-12	4	10	50.19	54.22	15.74	o	3	10	10	5.98	3.73	26.23	o
1	9	9	15.33	-29.12	29.12	o	-11	4	10	0.08	13.97	16.41	o	4	10	10	22.96	66.81	14.93	o
2	9	9	13.18	26.87	28.19	o	-10	4	10	10.32	-34.27	34.27	o	-12	1	11	2.89	-15.12	30.54	o
3	9	9	0.27	11.97	26.39	o	-9	4	10	68.78	72.86	13.64	o	-11	1	11	20.38	-31.83	33.27	o
4	9	9	43.33	33.40	15.93	o	-8	4	10	115.08	114.91	14.64	o	-10	1	11	88.27	96.93	16.22	o
5	9	9	4.77	11.52	18.70	o	-7	4	10	5.90	5.82	19.98	o	-9	1	11	133.02	110.22	17.63	o
6	9	9	21.31	59.92	13.35	o	-6	4	10	13.89	-17.18	22.01	o	-8	1	11	45.60	42.70	11.10	o
7	9	9	13.07	11.33	26.84	o	-5	4	10	3.22	6.95	12.61	o	-7	1	11	10.22	11.36	19.69	o
-6	10	9	42.46	13.64	35.04	o	-4	4	10	23.92	24.94	9.62	o	-6	1	11	285.87	293.87	19.76	o
-5	10	9	0.05	25.23	12.13	o	-3	4	10	18.60	11.75	10.59	o	-5	1	11	141.32	164.18	14.03	o
-4	10	9	45.40	31.21	14.90	o	-2	4	10	1223.05	1211.80	65.58	o	-4	1	11	56.53	51.04	10.27	o
-3	10	9	2.30	9.40	12.36	o	-1	4	10	306.95	345.55	18.57	o	-3	1	11	4.64	-8.69	21.24	o
-2	10	9	101.83	151.25	17.28	o	0	4	10	295.49	255.23	12.33	o	-2	1	11	2062.76	2206.32	89.94	o
-1	10	9	34.95	15.61	28.38	o	1	4	10	409.82	458.98	24.23	o	-1	1	11	113.44	123.15	11.71	o
0	10	9	2.60	-11.00	14.55	o	2	4	10	1101.28	1123.85	47.85	o	0	1	11	6.17	12.12	7.37	o
1	10	9	21.53	30.89	14.51	o	3	4	10	100.21	105.58	12.71	o	1	1	11	132.01	135.28	13.77	o
2	10	9	29.40	4.09	29.80	o	4	4	10	1.72	24.17	8.95	o	2	1	11	150.88	149.73	13.29	o
3	10	9	30.62	13.52	32.63	o	5	4	10	394.57	387.90	21.91	o	3	1	11	890.84	842.25	40.84	o
4	10	9	13.92	-32.89	32.89	o	6	4	10	33.16	5.05	12.32	o	4	1	11	40.16	50.49	10.23	o
5	10	9	34.94	46.37	18.05	o	7	4	10	1.41	-12.29	26.36	o	5	1	11	44.77	63.17	10.36	o
-3	11	9	3.60	36.46	12.87	o	8	4	10	155.11	152.73	17.22	o	6	1	11	7.11	-0.77	21.24	o
-2	11	9	21.01	22.82	33.95	o	9	4	10	0.23	14.42	14.45	o	7	1	11	289.50	283.96	20.50	o
-1	11	9	25.66	-21.24	37.88	o	10	4	10	43.26	9.94	18.05	o	8	1	11	19.64	-33.92	33.92	o
0	11	9	0.54	1.29	45.44	o	11	4	10	6.93	16.25	24.78	o	9	1	11	579.08	610.84	31.73	o
1	11	9	2.44	17.67	29.86	o	-11	5	10	17.32	-11.26	30.51	o	10	1	11	22.03	10.88	29.32	o
2	11	9	12.90	5.99	35.01	o	-10	5	10	16.91	39.74	12.32	o	11	1	11	214.73	179.47	22.56	o
-13	0	10	8.37	-12.16	36.69	o	-9	5	10	1.34	-18.83	20.53	o	-12	2	11	0.42	-34.37	34.37	o
-12	0	10	617.46	628.12	33.85	o	-8	5	10	0.09	-20.69	25.20	o	-11	2	11	1.95	-30.47	30.47	o
-11	0	10	43.10	16.38	18.09	o	-7	5	10	58.82	56.48	12.42	o	-10	2	11	2.04	5.70	16.03	o
-10	0	10	29.86	10.17	15.25	o	-6	5	10	34.36	-17.06	28.93	o	-9	2	11	7.65	5.53	24.13	o
-9	0	10	11.91	7.37	23.43	o	-5	5	10	29.93	40.74	10.84	o	-8	2	11	0.92	-24.26	24.26	o
-8	0	10	58.79	73.05	11.75	o	-4	5	10	1.15	-1.77	17.70	o	-7	2	11	15.96	27.06	11.65	o
-7	0	10	82.26	87.18	11.94	o	-3	5	10	1.44	-0.26	19.47	o	-6	2	11	48.75	35.49	12.61	o
-6	0	10	46.30	42.96	10.52	o	-2	5	10	50.12	60.11	10.81	o	-5	2	11	9.79	9.98	19.02	o
-5	0	10	84.32	115.69	11.33	o	-1	5	10	137.33	161.99	13.58	o	-4	2	11	7.53	2.25	12.45	o
-4	0	10	29.70	43.76	9.07	o	0	5	10	128.45	141.23	9.77	o	-3	2	11	101.78	107.71	13.68	o
-3	0	10	83.52	100.56	10.68	o	1	5	10	46.40	44.12	11.23	o	-2	2	11	172.20	170.20	15.25	o
-2	0	10	11.66	26.10	8.59	o	2	5	10	13.64	-3.09	24.01	o	-1	2	11	60.28	69.06	9.94	o
-1	0	10	493.96	578.60	30.57	o	3	5	10	93.57	93.42	13.87	o	0	2	11	212.97	195.98	10.28	o
0	0	10	646.37	625.30	65.39	o	4	5	10	364.06	365.79	21.34	o	1	2	11	0.13	-1.09	15.22	o
1	0	10	142.09	138.60	12.10	o	5	5	10	50.45	51.13	12.52	o	2	2	11	88.17	95.16	12.36	o
2	0	10	296.69	291.52	16.77	o	6	5	10	94.90	85.15	14.80	o	3	2	11	108.60	133.00	13.48	o
3	0	10	57.09	52.26	9.69	o	7	5	10	45.45	0.13	34.95	o	4	2	11	50.80	-1.96	22.24	o
4	0	10	941.32	913.07	40.80	o	8	5	10	9.51	-4.38	24.68	o	5	2	11	42.94	44.18	13.07	o
5	0	10	792.63	802.66	38.39	o	9	5	10	3.60	18.73	22.62	o	6	2	11	39.98	39.65	12.84	o
6	0	10	423.29	407.46	22.24	o	10	5	10	0.25	17.25	28.09	o	7	2	11	3.47	-26.87	26.87	o
7	0	10	188.38	234.88	16.86	o	11	5	10	7.16	4.96	24.94	o	8	2	11	275.53	297.89	21.21	o
8	0	10	932.95	911.85	47.66	o	-11	6	10	1.72	24.49	26.36	o	9	2	11	4.43	-4.47	25.10	o
9	0	10	0.03	-8.75	20.95	o	-10	6	10	10.50	-20.60	27.51	o	10	2	11	0.45	-10.14	23.01	o
10	0	10	136.93	171.36	18.15	o	-9	6	10	1.49	14.71	16.64	o	11	2	11	0.39	-10.14	29.06	o
11	0	10	44.39	2.74	25.78	o	-8	6	10	11.83	22.46	11.97	o	-12	3	11	1.29	-25.39	25.39	o
12	0	10	47.58	17.51	29.03	o	-7	6	10	0.04	-18.47	21.01	o	-11	3	11	34.47	5.05	28.87	o
-13	1	10	16.62	32.95	36.04	o	-6	6	10	49.08	57.06	11.58	o	-10	3	11	19.49	26.36	13.45	o
-12	1	10	51.30	65.42	15.09	o	-5	6	10	0.10	-10.97	24.65	o	-9	3	11	56.80	-17.18	29.16	o
-11	1	10	77.21	36.30	39.10	o	-4	6	10	9.83	16.77	20.47	o	-8	3	11	2.36	2.35	23.07	o
-10	1	10	57.89	56.80	15.70	o	-3	6	10	95.77	100.56	14.13	o	-7	3	11	141.36	159.45	16.35	o
-9	1	10	2.65	8.24	13.77	o	-2	6	10	36.02	29.77	10.62	o	-6	3	11	305.93	337.89	20.02	o
-8	1	10	48.21	56.64	11.71	o	-1	6	10	182.27	184.20	14.96	o	-5	3	11	222.52	209.43	17.54	o
-7	1	10	52.64	38.33	11.52	o	0	6	10	0.19	2.85	13.35	o	-4	3	11	2.14	7.50	13.29	o
-6	1	10	7.52	4.02	19.63	o	1	6	10	120.89	117.71	13.74	o	-3	3	11	158.33	140.14	15.12	o
-5	1	10	36.97	19.08	19.28	o	2	6	10	131.18	-4.25	35.82	o	-2	3	11	284.41	276.04	17.63	o
-4	1	10	3.99	6.05	17.51	o	3	6	10	531.79	538.05	26.77	o	-1	3	11	9.58	21.30	8.62	o
-3	1	10	0.70	4.41	15.80	o	4	6	10	395.09	404.92	23.17	o	0	3	11	59.72	58.43	7.46	o
-2	1	10	57.81	61.21	9.91	o	5	6	10	51.94	37.46	14.26	o	1	3	11	112.02	117.75	13.19	o
-1	1	10	36.64	13.84	19.08	o	6	6	10	222.26	196.20	19.50	o	2	3	11	31.13	33.89	9.98	o
0	1	10	75.87	80.02	11.36	o	7	6	10	67.70	108.09	13.39	o	3	3	11	29.74	18.28	21.37	o
1	1	10	5.84	2.19	15.86	o	8	6	10	28.24	6.89	34.21	o	4	3	11	240.58	225.97	16.77	o
2	1	10	2.85	12.87	14.48	o	9	6	10	7.16	-5.89	22.01	o	5	3	11	1.71	-12.58	22.78	o
3	1	10	144.99	159.00	13.87	o	10	6	10	18.34	35.59	14.22	o	6	3	11	4.08	5.18	21.59	o
4	1	10	292.49	301.88	17.47	o	-10	7	10	31.66	-13.32	27.93	o	7	3	11	23.89	7.66	24.42	o
5	1	10	12.13	-15.61	20.95	o	-9	7	10	26.11	6.34	21.34	o	8	3	11	20.77	-13.87	28.99	o
6	1	10	170.72	164.15	15.41	o	-8	7	10	41.67	-17.96	29.48	o	9	3	11	96.52	61.56	16.99	o
7	1	10	85.96	89.11	13.16	o	-7	7	10	0.78	-24.97	30.18	o	10	3	11	18.53	12.07	23.27	o
8	1	10	182.99	175.73	17.02	o	-6	7	10	53.61	81.51	15.06	o	11	3	11	106.11	120.48	17.44	o
9	1	10	349.73	319.90	23.56	o	-5	7	10	17.88	19.18	11.62	o	-11	4	11	0.02	15.54	18.18	o
10	1	10	51.26	69.70	13.35	o	-4	7	10	41.52	25.36	13.77	o	-10	4	11	10.60	31.44	14.13	o
11	1	10	9.63	18.76	12.58	o	-3	7	10	22.90	24.04	10.91	o	-9	4	11	22.90	0.61	19.76	o

-8	4	11	9.85	-25.58	25.58	o	5	0	12	92.19	96.19	13.81	o	6	6	12	6.40	17.67	24.78	o
-7	4	11	0.06	-25.71	25.71	o	6	0	12	63.19	75.56	13.61	o	7	6	12	33.88	25.62	31.79	o
-6	4	11	1.59	1.87	16.99	o	7	0	12	9.26	12.90	16.96	o	8	6	12	0.79	-25.87	28.58	o
-5	4	11	16.59	5.86	19.31	o	8	0	12	23.84	28.77	12.39	o	-8	7	12	7.80	-5.53	28.29	o
-4	4	11	131.79	145.00	13.23	o	9	0	12	89.63	101.50	16.60	o	-7	7	12	82.72	53.87	16.25	o
-3	4	11	2.68	15.61	18.54	o	10	0	12	27.03	37.04	15.54	o	-6	7	12	140.16	161.99	18.57	o
-2	4	11	80.55	51.97	13.07	o	11	0	12	68.61	89.98	15.54	o	-5	7	12	21.91	53.06	11.94	o
-1	4	11	246.46	247.95	17.18	o	-11	1	12	1.29	-3.54	24.91	o	-4	7	12	6.11	-5.86	27.29	o
0	4	11	115.66	86.77	42.33	o	-10	1	12	26.81	26.87	27.10	o	-3	7	12	11.69	9.91	28.96	o
1	4	11	0.44	2.57	9.88	o	-9	1	12	1.41	-2.51	21.59	o	-2	7	12	3.23	-30.64	30.64	o
2	4	11	14.36	13.32	10.14	o	-8	1	12	43.84	40.03	12.65	o	-1	7	12	67.31	63.94	14.67	o
3	4	11	117.27	106.55	13.26	o	-7	1	12	63.95	20.14	34.01	o	0	7	12	0.83	8.59	22.00	o
4	4	11	122.04	127.08	14.16	o	-6	1	12	85.84	92.39	13.93	o	1	7	12	10.95	-18.76	30.89	o
5	4	11	8.25	-2.70	14.32	o	-5	1	12	48.20	-4.31	26.81	o	2	7	12	4.41	8.59	25.90	o
6	4	11	14.83	12.58	20.24	o	-4	1	12	50.06	69.70	11.10	o	3	7	12	130.86	112.21	19.50	o
7	4	11	23.31	7.72	25.55	o	-3	1	12	322.91	279.77	18.37	o	4	7	12	0.13	-30.80	30.80	o
8	4	11	0.04	8.40	16.57	o	-2	1	12	538.38	540.95	27.48	o	5	7	12	2.34	16.96	27.13	o
9	4	11	0.00	-23.75	27.39	o	-1	1	12	557.55	515.97	25.42	o	6	7	12	0.77	3.77	18.15	o
10	4	11	36.99	-2.57	29.12	o	0	1	12	96.43	96.24	8.68	o	7	7	12	5.60	-38.42	38.42	o
-11	5	11	0.97	11.55	20.08	o	1	1	12	1.47	10.39	17.35	o	-6	8	12	1.72	-33.18	33.47	o
-10	5	11	11.56	34.05	13.71	o	2	1	12	25.55	36.65	9.88	o	-5	8	12	0.21	-32.82	32.82	o
-9	5	11	2.78	10.91	24.10	o	3	1	12	118.79	115.17	13.81	o	-4	8	12	8.60	-11.52	12.58	o
-8	5	11	0.44	-11.62	16.15	o	4	1	12	39.66	4.67	25.26	o	-3	8	12	0.00	3.89	24.20	o
-7	5	11	28.91	18.70	23.49	o	5	1	12	9.11	-0.80	21.88	o	-2	8	12	31.75	55.93	13.13	o
-6	5	11	353.56	342.49	21.66	o	6	1	12	7.29	-13.84	19.50	o	-1	8	12	20.02	19.79	20.82	o
-5	5	11	0.32	-13.03	23.33	o	7	1	12	17.63	30.96	12.13	o	0	8	12	3.67	-20.80	20.80	o
-4	5	11	7.06	-22.40	22.40	o	8	1	12	0.62	22.27	24.88	o	1	8	12	69.69	53.52	16.54	o
-3	5	11	23.23	27.16	10.01	o	9	1	12	0.00	15.35	22.40	o	2	8	12	89.63	124.15	16.83	o
-2	5	11	158.36	165.63	16.67	o	10	1	12	0.06	-5.41	15.00	o	3	8	12	46.28	12.23	33.79	o
-1	5	11	11.70	6.47	22.04	o	-11	2	12	15.86	21.43	14.29	o	4	8	12	90.03	88.66	18.99	o
0	5	11	1.49	-16.19	31.05	o	-10	2	12	2.30	-37.52	37.52	o	5	8	12	7.12	2.45	28.25	o
1	5	11	44.87	18.09	24.91	o	-9	2	12	77.54	94.67	15.83	o	-4	9	12	2.70	-12.13	31.95	o
2	5	11	7.46	14.29	18.37	o	-8	2	12	43.30	0.45	26.81	o	-3	9	12	0.56	2.48	21.53	o
3	5	11	0.80	12.61	15.96	o	-7	2	12	65.86	42.35	14.45	o	-2	9	12	0.36	-12.65	26.97	o
4	5	11	3.53	7.53	23.07	o	-6	2	12	24.35	-30.22	30.22	o	-1	9	12	58.46	68.19	15.80	o
5	5	11	71.79	85.31	13.68	o	-5	2	12	22.25	-31.09	31.09	o	0	9	12	1.35	1.19	13.72	o
6	5	11	21.23	45.31	11.81	o	-4	2	12	193.93	196.14	16.03	o	1	9	12	16.62	-8.88	21.27	o
7	5	11	44.20	19.44	29.12	o	-3	2	12	53.97	54.35	11.04	o	2	9	12	0.01	24.01	31.57	o
8	5	11	6.95	-1.16	16.25	o	-2	2	12	184.22	196.49	15.77	o	3	9	12	211.80	238.23	24.13	o
9	5	11	33.24	-39.55	39.55	o	-1	2	12	246.91	244.57	16.32	o	-11	1	13	0.96	38.20	12.87	o
10	5	11	1.69	-6.69	23.65	o	0	2	12	177.51	152.25	11.27	o	-10	1	13	46.97	89.85	15.80	o
-10	6	11	1.96	3.54	26.68	o	1	2	12	165.00	168.85	14.55	o	-9	1	13	13.32	7.43	29.19	o
-9	6	11	0.92	14.61	18.99	o	2	2	12	35.47	26.16	11.65	o	-8	1	13	0.95	7.27	22.53	o
-8	6	11	141.56	160.16	17.73	o	3	2	12	45.82	26.71	26.81	o	-7	1	13	190.70	211.49	19.92	o
-7	6	11	29.92	19.40	25.10	o	4	2	12	59.58	58.66	12.68	o	-6	1	13	0.90	14.80	10.72	o
-6	6	11	162.03	172.20	18.21	o	5	2	12	46.10	52.78	12.23	o	-5	1	13	9.99	-16.70	24.49	o
-5	6	11	379.53	366.79	23.68	o	6	2	12	12.35	-28.96	29.16	o	-4	1	13	7.93	12.55	22.94	o
-4	6	11	22.27	7.30	24.17	o	7	2	12	1.80	5.66	14.83	o	-3	1	13	108.18	139.21	13.93	o
-3	6	11	58.75	107.19	12.26	o	8	2	12	1.36	-12.94	27.67	o	-2	1	13	139.48	102.07	14.22	o
-2	6	11	67.56	53.13	14.16	o	9	2	12	62.02	38.84	15.64	o	-1	1	13	77.18	81.48	12.42	o
-1	6	11	13.45	-1.06	22.30	o	10	2	12	40.50	31.54	15.22	o	0	1	13	4.71	17.32	13.60	o
0	6	11	12.46	9.78	11.68	o	-11	3	12	38.90	42.93	17.15	o	1	1	13	31.08	15.67	20.79	o
1	6	11	2.22	9.40	19.08	o	-10	3	12	0.59	12.10	23.30	o	2	1	13	86.37	69.54	14.87	o
2	6	11	25.27	-4.63	23.88	o	-9	3	12	0.38	-30.31	30.31	o	3	1	13	59.00	62.04	13.03	o
3	6	11	234.54	235.91	18.95	o	-8	3	12	71.69	20.88	31.25	o	4	1	13	1.74	0.97	24.30	o
4	6	11	335.22	356.81	23.43	o	-7	3	12	16.73	-3.93	28.22	o	5	1	13	27.76	2.22	32.12	o
5	6	11	27.69	14.61	24.94	o	-6	3	12	125.44	86.63	16.96	o	6	1	13	73.20	106.74	13.97	o
6	6	11	51.13	46.11	15.58	o	-5	3	12	5.40	-5.25	24.33	o	7	1	13	86.86	95.00	15.58	o
7	6	11	13.27	9.46	19.69	o	-4	3	12	94.22	88.85	13.97	o	8	1	13	23.04	13.07	26.19	o
8	6	11	2.28	34.30	11.20	o	-3	3	12	3.33	-24.04	24.52	o	9	1	13	0.61	-29.61	29.61	o
9	6	11	174.82	153.59	22.62	o	-2	3	12	23.73	34.43	10.62	o	10	1	13	6.95	17.86	30.12	o
-9	7	11	15.00	-14.55	29.64	o	-1	3	12	3.50	-18.73	20.95	o	-10	2	13	30.94	12.36	24.23	o
-8	7	11	6.19	6.21	20.95	o	0	3	12	54.67	29.77	10.81	o	-9	2	13	11.08	16.80	26.87	o
-7	7	11	61.96	77.88	14.74	o	1	3	12	61.59	67.29	12.20	o	-8	2	13	0.42	8.37	21.08	o
-6	7	11	130.20	147.58	17.47	o	2	3	12	52.36	63.39	11.91	o	-7	2	13	82.74	56.51	15.09	o
-5	7	11	8.98	17.83	21.24	o	3	3	12	248.71	242.09	17.67	o	-6	2	13	50.67	66.93	12.90	o
-4	7	11	0.00	17.41	20.53	o	4	3	12	107.16	96.96	15.19	o	-5	2	13	50.72	48.01	13.32	o
-3	7	11	1.56	-10.04	23.01	o	5	3	12	40.91	43.54	11.71	o	-4	2	13	1.37	27.55	10.23	o
-2	7	11	52.71	86.76	12.84	o	6	3	12	0.96	15.48	15.70	o	-3	2	13	25.77	6.95	12.04	o
-1	7	11	19.80	3.19	21.69	o	7	3	12	11.92	-1.16	15.25	o	-2	2	13	25.98	0.93	14.19	o
0	7	11	3.00	-11.99	21.83	o	8	3	12	1.86	9.30	19.34	o	-1	2	13	28.71	30.38	11.30	o
1	7	11	113.13	120.06	15.99	o	9	3	12	18.49	40.00	13.81	o	0	2	13	30.37	4.12	18.60	o
2	7	11	7.60	26.36	10.14	o	10	3	12	2.64	1.19	23.85	o	1	2	13	24.22	-0.16	24.84	o
3	7	11	13.77	-30.70	30.70	o	-10	4	12	16.34	33.92	14.83	o	2	2	13	33.22	31.09	11.20	o
4	7	11	79.18	81.87	15.77	o	-9	4	12	35.38	14.51	29.93	o	3	2	13	14.14	11.30	10.52	o
5	7	11	86.29	89.36	15.03	o	-8	4	12	134.46	132.55	17.25	o	4	2	13	56.03	28.93	12.58	o
6	7	11	2.91	-19.18	25.94	o	-7	4	12	7.11	-32.47	32.47	o	5	2	13	84.59	99.18	13.26	o
7	7	11	7.67	-8.30	26.19	o	-6	4	12	7.16	1.54	24.52	o	6	2	13	8.71	3.15	23.01	o
8	7	11	3.86	2.25	17.89	o	-5	4	12	338.36	343.36	22.01	o	7	2	13	30.89	0.13	28.83	o
-8	8	11	2.51	-1.67	28.96	o	-4	4	12	170.28	197.81	15.99	o	8	2	13	5.01	10.68	17.92	o
-7	8	11	56.81	65.90	16.83	o	-3	4	12	143.54	148.83	14.45	o	9	2	13	35.96	23.14	16.86	o
-6	8	11	11.93	7.30	18.12	o	-2	4	12	109.16	128.11	14.22	o	-10	3	13	7.67	-3.93	31.67	o
-5	8	11	1.44	7.98	18.47	o	-1	4	12	1.13	-27.35	27.35	o	-9	3	13	0.27	-31.34	31.34	o
-4	8	11	111.34	82.48	20.14	o	0	4	12	61.58	51.21	20.03	o	-8	3	13	125.32	119.29	16.86	o
-3	8	11	18.77	10.81	14.35	o	1	4	12	65.17	69.67	13.90	o	-7	3	13	16.59	21.21	13.42	o
-2	8	11	16.70	17.57	13.26	o	2	4	12	2.22	-21.53	21.53	o	-6	3	13	171.71	205.08	20.05	o
-1	8	11	7.31	-29.99	29.99	o	3	4	12	15.22	-12.49	22.78	o	-5	3	13	8.39	-11.13	24.94	o
0	8	11	142.11	138.30	12.69	o	4	4	12	12.28	9.53	19.73	o	-4	3	13	53.15	63.75	12.58	o
1	8	11	61.81	57.63	15.48	o	5	4	12	17.10	5.08	23.33	o	-3	3	13	80.50	68.61	14.90	o
2	8	11	6.59	-5.50	26.93	o	6	4	12	0.23	-3.12	22.37	o	-2	3	13	100.05	94.58	15.45	o
3	8	11	91.47	86.82	15.99	o	7	4	12	0.26	25.07	27.13	o	-1	3	13	107.22	106.35	14.58	o
4	8	11	193.90	206.40	20.43	o	8	4	12	32.85	55.61	12.65	o	0	3	13	14.30	30.72	7.35	o
5	8	11	60.12	-4.99	28.51	o	9	4	12	11.50	-0.06	25.23	o	1	3	13	98.17	74.01	14.93	o
6	8	11	19.77	-26.29	39.07	o	10	4	12	9.56	1.03	24.68	o	2	3	13	35.59	57.22	12.78	o
7	8	11	12.70	34.72	13.81	o	-10	5	12	0.61	-26.65	26.65	o	3	3	13	35.60	44.63	11.13	o
-6	9	11	2.48	10.17	16.09	o	-9	5	12	5.25	25.97	11.55	o	4	3	13	0.17	-5.92	21.05	o
-5	9	11	11.93	-25.16	25.16	o	-8	5	12	1.48	-4.18	25.07	o	5	3	13	7.67	8.37	24.46	o
-4	9	11	0.22	3.83	25.36	o	-7	5	12	5.52	-0.23	23.91	o	6	3	13	24.43	1.26	20.40	o
-3	9	11	0.58	12.16	23.39	o	-6	5	12	268.10	270.79	21.75	o	7	3	13	22.45	-16.54	21.37	o
-2	9	11	0.85	23.14	11.68	o	-5	5	12	2.39	-28.29	28.29	o	8	3	13	1.89	-23.75	26.71	o
-1	9	11	83.29	14.87	34.69	o	-4	5	12	9.12	-13.74	28.99	o	9	3	13	3.86	-14.03	22.59	o
0	9	11	1.90	14.92	17.59	o	-3	5	12	76.55	73.89	13.81	o	-10	4	13	0.10	14.19	23.23	o
1	9	11	24.56	3.93	24.39	o	-2	5	12	27.76	51.04	10.78	o	-9	4	13	5.30	-0.71	18.66	o
2	9	11	71.37	71.25	15.93	o	-1	5	12	1.15	14.87	9.17	o	-8	4	13	2.01	17.15	13.26	o
3	9	11	43.16	27.16	35.27	o	0	5	12	6.37	13.55	10.62	o	-7	4	13	57.96	73.53	13.90	o
4	9	11	29.91	3.64	31.73	o	1	5	12	5.26	16.60	22.40	o	-6	4	13	89.31	101.21	15.25	o
5	9	11	0.13	-8.08	26.00	o	2	5	12	19.46	40.93	12.04	o	-5	4	13	67.15	60.34	13.68	o
-3	10	11	24.88	40.29	14.67	o	3	5	12	60.72	11.55	26.97	o	-4	4	13	11.37	0.00	21.66	o
-2	10	11	5.74	-21.24	33.18	o	4	5	12	20.14	20.21	12.42	o	-3	4	13	13.75	13.00	13.48	o
-1	10	11	0.16	8.72	24.84	o	5	5	12	3.18	7.14	21.53	o	-2	4	13	3.67	1.48	23.56	o
0	10	11	46.55	40.61	14.38	o	6	5	12	0.01	-21.82	25.65	o	-1	4	13	7.92	9.69	19.63	o
1	10	11	12.02	19.92	16.22	o	7	5	12	4.67	22.27	22.98	o	0	4	13	66.65	65.58	9.61	o
2	10	11	2.69	0.87	31.12	o	8	5	12	20.05	23.11	24.36	o	1	4	13	13.81	14.93	18.44	o
-11	0	12	0.01	19.73	24.39	o	9	5	12	0.36	-30.02	34.05	o	2	4	13	16.22	-15.96	22.88	o
-10	0	12	9.68	23.56	13.32	o	-9	6	12	32.49	13.61	22.75	o	3	4	13	20.98	26.90	11.87	o
-9	0	12	7.92	0.71	21.72	o	-8	6	12	0.04	-20.47	27.35	o	4	4	13	15.60	6.40	17.70	o
-8	0	12	38.84	43.25	12.20	o	-7	6	12	77.96	66.87	16.22	o	5	4	13	14.36	6.18	23.78	o
-7	0	12	181.73	183.23	16.67	o	-6	6	12	295.21	311.63	24.10	o	6	4	13	0.70	-20.34	28.09	o
-6	0	12	30.24	17.99	27.22	o	-5	6	12	13.44	-20.43	23.62	o	7	4	13	9.81	-20.76	22.33	o
-5	0	12	20.59	2.09	25.07	o	-4	6	12	31.71	-34.66	34.66	o	8	4	13	62.40	78.78	15.41	o
-4	0	12	13.66	13.77	17.22	o	-3	6	12	73.37	65.71	12.94	o	9	4	13	2.53	4.79	31.41	o
-3	0	12	275.13	260.92	17.86	o	-2	6	12	72.38	58.12	15.09	o	-9	5	13	0.46	8.59	22.04	o
-2	0	12	568.02	657.21	30.28	o	-1	6	12	5.22	-30.18	30.18	o	-8	5	13	55.00	3.99	35.66	o
-1	0	12	333.24	283.54	19.05	o	0	6	12	121.29	105.11	10.60	o	-7	5	13	47.33	57.83	15.58	o
0	0	12	25.62	25.89	12.73	o	1	6	12	9.52	11.87	11.94	o	-6	5	13	21.67	-17.54	17.54	o
1	0	12	695.76	627.67	29.48	o	2	6	12	1.74	-2.80	21.69	o	-5	5	13	1.14	-25.90	25.90	o
2	0	12	54.45	86.53	11.13	o	3	6	12	35.66	3.09	31.95	o	-4	5	13	0.07	-32.98	32.98	o
3	0	12	383.15	386.32	21.69	o	4	6	12	18.23	-14.93	25.49	o	-3	5	13	194.08	182.11	19.50	o
4	0	12	168.34	205.66	17.57	o	5	6	12	15.70	14.90	19.47	o	-2	5	13	50.37	72.18	13.77	o

-1	5	13	101.19	88.91	15.16	o	4	3	14	0.48	10.39	22.46	o	5	4	15	0.36	13.64	22.04	o
0	5	13	0.12	-19.56	19.56	o	5	3	14	11.03	-33.72	33.72	o	6	4	15	8.33	-14.64	29.77	o
1	5	13	43.10	53.42	13.68	o	6	3	14	5.87	4.96	22.01	o	-6	5	15	2.77	-1.67	28.58	o
2	5	13	42.25	76.11	13.61	o	7	3	14	22.78	47.63	13.42	o	-5	5	15	3.92	20.24	13.03	o
3	5	13	140.24	146.55	16.83	o	8	3	14	10.88	-19.02	21.37	o	-4	5	15	57.35	49.62	16.73	o
4	5	13	24.44	19.24	24.91	o	-8	4	14	3.94	4.31	19.86	o	-3	5	15	128.70	148.86	19.34	o
5	5	13	7.88	17.38	24.01	o	-7	4	14	0.32	14.87	13.26	o	-2	5	15	16.36	15.83	28.77	o
6	5	13	39.48	27.55	16.67	o	-6	4	14	92.22	65.42	17.31	o	-1	5	15	0.61	-25.84	25.84	o
7	5	13	32.09	27.16	30.60	o	-5	4	14	129.82	168.33	16.12	o	0	5	15	9.94	12.63	12.19	o
8	5	13	1.70	-2.83	23.97	o	-4	4	14	37.51	59.92	13.58	o	1	5	15	55.87	-29.90	35.30	o
-8	6	13	0.56	19.18	20.63	o	-3	4	14	52.09	57.22	13.19	o	2	5	15	23.08	31.50	37.62	o
-7	6	13	57.36	82.83	16.93	o	-2	4	14	71.95	81.87	15.06	o	3	5	15	4.32	-31.89	31.89	o
-6	6	13	40.72	-43.99	43.99	o	-1	4	14	30.36	35.91	13.97	o	4	5	15	4.17	17.83	12.71	o
-5	6	13	14.37	-30.70	30.70	o	0	4	14	140.16	162.74	12.18	o	5	5	15	8.10	16.48	20.43	o
-4	6	13	33.85	12.65	15.83	o	1	4	14	91.58	84.83	16.32	o	-4	6	15	23.28	34.95	13.93	o
-3	6	13	18.24	20.69	28.19	o	2	4	14	37.70	34.98	13.23	o	-3	6	15	8.81	-32.28	32.28	o
-2	6	13	34.62	22.30	24.91	o	3	4	14	5.15	-11.52	30.31	o	-2	6	15	0.62	-3.80	25.23	o
-1	6	13	75.58	99.69	14.29	o	4	4	14	29.17	45.41	13.10	o	-1	6	15	48.17	53.39	14.77	o
0	6	13	0.04	-22.34	22.34	o	5	4	14	0.07	-0.74	25.36	o	0	6	15	8.28	5.50	13.60	o
1	6	13	23.66	36.20	12.74	o	6	4	14	0.53	28.70	12.81	o	1	6	15	0.56	11.13	26.36	o
2	6	13	64.05	72.12	13.87	o	7	4	14	9.70	28.22	13.13	o	2	6	15	11.03	28.93	14.19	o
3	6	13	26.28	21.88	27.45	o	-8	5	14	24.98	-26.84	39.74	o	3	6	15	167.66	216.73	22.53	o
4	6	13	67.38	-0.97	35.43	o	-7	5	14	11.97	-15.09	24.52	o	-1	7	15	5.03	10.10	29.80	o
5	6	13	41.37	38.74	15.93	o	-6	5	14	25.58	-9.36	32.79	o	0	7	15	30.73	23.20	15.09	o
6	6	13	3.77	20.88	22.43	o	-5	5	14	21.17	23.65	12.94	o	-7	0	16	74.06	62.53	18.44	o
7	6	13	0.05	13.87	18.66	o	-4	5	14	7.10	-28.41	29.51	o	-6	0	16	6.31	-26.19	34.59	o
-7	7	13	8.75	-20.24	37.01	o	-3	5	14	12.46	15.41	18.99	o	-5	0	16	41.48	47.95	15.86	o
-6	7	13	6.03	15.03	26.93	o	-2	5	14	27.38	21.37	21.82	o	-4	0	16	37.71	25.10	30.67	o
-5	7	13	3.53	-10.84	24.13	o	-1	5	14	6.01	3.02	23.88	o	-3	0	16	42.99	56.67	12.78	o
-4	7	13	1.28	-25.45	25.45	o	0	5	14	3.19	9.02	22.04	o	-2	0	16	37.89	-5.70	32.18	o
-3	7	13	17.89	22.43	23.39	o	1	5	14	6.05	21.88	12.65	o	-1	0	16	31.31	22.11	27.74	o
-2	7	13	6.96	-16.38	27.55	o	2	5	14	4.12	-10.46	23.59	o	0	0	16	125.28	134.55	13.77	o
-1	7	13	19.52	0.06	34.05	o	3	5	14	98.08	86.18	16.89	o	1	0	16	4.24	-31.95	31.95	o
0	7	13	3.59	-17.65	17.65	o	4	5	14	156.59	-18.44	45.79	o	2	0	16	134.84	146.68	18.37	o
1	7	13	13.77	26.00	28.51	o	5	5	14	2.55	-3.48	24.39	o	3	0	16	16.45	-6.50	28.93	o
2	7	13	0.83	4.02	29.28	o	6	5	14	0.21	18.73	27.06	o	4	0	16	37.28	17.15	32.86	o
3	7	13	120.16	147.16	18.18	o	7	5	14	0.07	-17.38	27.90	o	5	0	16	0.26	-12.58	26.81	o
4	7	13	3.89	19.63	24.30	o	-6	6	14	50.89	73.95	16.83	o	6	0	16	46.24	53.64	18.12	o
5	7	13	7.53	-3.28	23.46	o	-5	6	14	9.69	-5.25	23.27	o	-7	1	16	37.72	16.38	31.73	o
6	7	13	16.03	-17.35	27.84	o	-4	6	14	36.93	22.01	15.41	o	-6	1	16	5.75	3.67	25.81	o
-5	8	13	8.63	-13.58	33.92	o	-3	6	14	4.05	12.00	22.72	o	-5	1	16	9.92	21.56	13.35	o
-4	8	13	1.47	-22.08	28.87	o	-2	6	14	3.73	-11.13	24.65	o	-4	1	16	67.34	30.06	34.01	o
-3	8	13	0.00	-26.36	29.80	o	-1	6	14	64.58	72.57	16.19	o	-3	1	16	114.33	96.15	16.80	o
-2	8	13	2.55	-8.72	26.74	o	0	6	14	23.52	11.74	26.73	o	-2	1	16	124.63	128.59	16.35	o
-1	8	13	0.28	-15.77	25.97	o	1	6	14	3.31	-11.17	24.68	o	-1	1	16	39.47	16.48	18.31	o
0	8	13	23.96	15.69	13.25	o	2	6	14	36.79	11.26	34.37	o	0	1	16	0.06	8.74	13.18	o
1	8	13	16.49	11.01	31.67	o	3	6	14	223.98	242.57	21.66	o	1	1	16	0.18	-29.38	29.38	o
2	8	13	29.85	41.16	15.00	o	4	6	14	67.64	11.36	36.11	o	2	1	16	15.92	12.04	27.96	o
3	8	13	71.13	103.49	15.48	o	5	6	14	61.78	96.31	16.70	o	3	1	16	4.41	-28.06	28.06	o
4	8	13	1.48	24.52	26.39	o	-5	7	14	7.46	19.44	15.35	o	4	1	16	0.21	15.90	23.91	o
-10	0	14	5.84	14.58	20.37	o	-4	7	14	7.98	11.33	26.87	o	5	1	16	3.34	9.01	14.19	o
-9	0	14	142.35	164.86	19.02	o	-3	7	14	9.17	22.04	12.23	o	6	1	16	0.00	-30.41	30.41	o
-8	0	14	83.25	101.37	16.57	o	-2	7	14	0.37	11.23	25.97	o	-7	2	16	12.14	25.10	15.86	o
-7	0	14	19.26	-35.72	35.72	o	-1	7	14	14.26	12.42	20.95	o	-6	2	16	4.99	8.75	14.51	o
-6	0	14	34.04	11.36	20.37	o	0	7	14	20.41	27.76	19.57	o	-5	2	16	31.37	40.55	14.64	o
-5	0	14	23.08	7.69	25.49	o	1	7	14	25.61	14.64	31.79	o	-4	2	16	45.36	24.10	32.82	o
-4	0	14	58.57	94.93	14.06	o	2	7	14	0.17	-35.37	35.37	o	-3	2	16	56.87	53.87	13.81	o
-3	0	14	0.36	-18.70	22.46	o	3	7	14	20.87	24.68	14.64	o	-2	2	16	99.34	93.93	15.51	o
-2	0	14	75.17	67.67	14.06	o	4	7	14	35.94	-9.65	34.08	o	-1	2	16	265.60	259.18	22.17	o
-1	0	14	88.75	121.25	15.41	o	-1	8	14	48.12	46.69	15.83	o	0	2	16	44.65	71.64	11.54	o
0	0	14	0.03	-4.05	9.97	o	0	8	14	4.17	27.30	11.35	o	1	2	16	0.58	15.51	28.19	o
1	0	14	0.81	8.91	21.01	o	-8	1	15	10.56	7.40	31.99	o	2	2	16	46.77	42.99	14.55	o
2	0	14	20.22	-6.11	15.12	o	-7	1	15	195.62	243.47	20.24	o	3	2	16	46.77	55.06	16.60	o
3	0	14	462.05	419.43	25.71	o	-6	1	15	17.54	63.52	14.55	o	4	2	16	29.23	-29.70	34.14	o
4	0	14	2.14	-29.96	29.96	o	-5	1	15	3.00	12.87	25.26	o	5	2	16	0.01	11.10	14.26	o
5	0	14	15.30	-14.09	29.48	o	-4	1	15	13.62	-9.24	31.70	o	-6	3	16	1.38	-8.04	25.97	o
6	0	14	0.81	-29.57	29.57	o	-3	1	15	305.37	261.17	21.56	o	-5	3	16	18.54	11.17	20.82	o
7	0	14	124.99	123.31	17.89	o	-2	1	15	80.30	66.74	14.96	o	-4	3	16	0.80	-4.70	26.65	o
8	0	14	2.63	20.85	22.40	o	-1	1	15	23.27	36.78	12.84	o	-3	3	16	7.46	-38.23	38.23	o
9	0	14	32.86	53.80	12.61	o	0	1	15	33.37	17.28	12.15	o	-2	3	16	9.71	-14.96	25.00	o
-10	1	14	3.57	27.03	28.74	o	1	1	15	68.53	4.02	31.12	o	-1	3	16	2.72	16.25	17.76	o
-9	1	14	0.18	15.93	30.18	o	2	1	15	138.20	146.68	16.83	o	0	3	16	11.79	-6.33	18.77	o
-8	1	14	0.03	14.38	24.84	o	3	1	15	128.68	122.83	16.67	o	1	3	16	5.83	22.27	12.39	o
-7	1	14	8.96	-1.22	30.51	o	4	1	15	0.31	-10.56	23.78	o	2	3	16	57.54	49.24	16.32	o
-6	1	14	0.65	4.12	21.75	o	5	1	15	38.23	-12.55	24.10	o	3	3	16	17.53	-33.53	33.53	o
-5	1	14	0.01	6.89	26.93	o	6	1	15	67.31	68.96	15.35	o	4	3	16	0.27	14.61	17.06	o
-4	1	14	0.53	6.79	14.48	o	7	1	15	8.81	-12.74	32.73	o	5	3	16	4.18	24.04	14.22	o
-3	1	14	11.33	11.65	17.31	o	-8	2	15	0.01	-38.23	38.23	o	-5	4	16	12.36	14.58	17.99	o
-2	1	14	11.92	11.07	22.65	o	-7	2	15	3.69	3.86	30.70	o	-4	4	16	38.58	60.43	16.38	o
-1	1	14	17.03	-27.06	27.29	o	-6	2	15	15.63	53.61	14.00	o	-3	4	16	2.91	-3.80	25.13	o
0	1	14	7.35	24.46	21.34	o	-5	2	15	7.57	10.72	23.72	o	-2	4	16	0.45	9.98	27.67	o
1	1	14	7.94	-11.20	25.13	o	-4	2	15	14.37	18.18	21.69	o	-1	4	16	128.37	136.48	20.43	o
2	1	14	12.34	8.62	26.77	o	-3	2	15	81.51	81.22	15.99	o	0	4	16	113.25	143.39	17.18	o
3	1	14	84.54	82.48	13.74	o	-2	2	15	64.44	37.78	14.87	o	1	4	16	0.28	7.50	25.62	o
4	1	14	5.24	15.51	10.91	o	-1	2	15	103.54	86.21	16.22	o	2	4	16	2.21	11.71	20.02	o
5	1	14	18.39	16.73	22.78	o	0	2	15	0.25	8.53	12.78	o	3	4	16	78.60	84.44	17.76	o
6	1	14	60.10	29.93	30.89	o	1	2	15	0.42	-27.22	28.87	o	4	4	16	19.29	46.47	14.22	o
7	1	14	50.51	45.47	13.32	o	2	2	15	3.59	-11.84	18.34	o	-3	5	16	8.60	29.03	14.03	o
8	1	14	168.16	163.67	19.79	o	3	2	15	44.17	26.42	14.06	o	-2	5	16	21.77	27.61	15.99	o
9	1	14	35.70	29.35	15.74	o	4	2	15	0.48	5.28	26.93	o	-1	5	16	5.92	29.06	29.99	o
-9	2	14	77.84	75.78	17.28	o	5	2	15	0.16	26.39	10.91	o	0	5	16	4.63	-2.64	12.86	o
-8	2	14	48.17	78.04	14.58	o	6	2	15	0.45	-20.60	27.55	o	1	5	16	29.40	27.03	15.77	o
-7	2	14	1.60	-2.57	27.93	o	7	2	15	41.14	76.88	14.13	o	2	5	16	31.00	40.93	17.09	o
-6	2	14	46.40	46.47	14.26	o	-8	3	15	32.24	20.37	32.18	o	-5	1	17	3.50	12.32	15.16	o
-5	2	14	115.81	74.01	16.48	o	-7	3	15	79.44	98.31	17.12	o	-4	1	17	62.72	62.88	18.89	o
-4	2	14	53.55	84.92	14.32	o	-6	3	15	44.53	29.32	16.83	o	-3	1	17	0.45	3.02	22.98	o
-3	2	14	14.34	14.71	10.78	o	-5	3	15	3.26	-29.51	29.51	o	-2	1	17	55.03	8.53	34.85	o
-2	2	14	89.74	77.14	14.16	o	-4	3	15	76.08	94.45	16.93	o	-1	1	17	11.79	-27.19	31.02	o
-1	2	14	17.75	-13.71	24.07	o	-3	3	15	262.00	304.87	22.46	o	0	1	17	17.18	1.38	21.37	o
0	2	14	155.82	147.00	13.71	o	-2	3	15	6.98	-7.72	24.91	o	1	1	17	21.63	-17.51	33.53	o
1	2	14	0.38	-9.85	23.11	o	-1	3	15	76.14	71.92	14.16	o	2	1	17	9.77	27.90	13.39	o
2	2	14	8.58	8.66	13.00	o	0	3	15	38.01	56.96	35.99	o	3	1	17	4.17	-21.05	32.89	o
3	2	14	157.02	162.25	17.51	o	1	3	15	126.93	172.36	17.63	o	-4	2	17	3.06	12.65	25.26	o
4	2	14	9.56	43.25	11.26	o	2	3	15	0.09	-32.98	32.98	o	-3	2	17	10.62	6.24	28.54	o
5	2	14	2.33	-25.10	25.10	o	3	3	15	24.54	-13.52	33.11	o	-2	2	17	24.06	-21.46	33.66	o
6	2	14	5.59	19.63	20.47	o	4	3	15	13.39	28.48	30.70	o	-1	2	17	0.65	-26.32	29.73	o
7	2	14	65.89	86.69	15.12	o	5	3	15	14.42	25.45	26.42	o	0	2	17	0.06	-26.30	27.50	o
8	2	14	41.01	46.92	15.19	o	6	3	15	6.45	-27.51	27.51	o	1	2	17	0.31	-20.31	36.97	o
-9	3	14	5.04	18.86	13.84	o	7	3	15	2.04	10.20	14.64	o	2	2	17	0.48	-25.23	25.23	o
-8	3	14	0.77	-11.91	31.38	o	-7	4	15	5.68	-39.81	39.81	o	3	2	17	0.20	-21.30	33.31	o
-7	3	14	57.20	82.19	15.77	o	-6	4	15	50.05	54.67	17.15	o	-3	3	17	6.00	-22.46	29.38	o
-6	3	14	0.67	23.88	12.13	o	-5	4	15	39.70	46.66	14.77	o	-2	3	17	22.49	7.72	18.50	o
-5	3	14	0.01	8.11	20.40	o	-4	4	15	1.17	13.45	31.47	o	-1	3	17	2.14	-15.77	31.25	o
-4	3	14	21.28	42.06	11.36	o	-3	4	15	18.46	-13.93	29.19	o	0	3	17	24.45	11.88	19.90	o
-3	3	14	1.23	2.48	14.55	o	-2	4	15	84.27	67.16	17.92	o	1	3	17	18.79	-24.33	24.33	o
-2	3	14	52.22	-10.20	32.24	o	-1	4	15	1.34	15.32	27.26	o	2	3	17	29.83	46.24	15.29	o
-1	3	14	7.00	-29.67	29.67	o	0	4	15	42.88	3.18	23.01	o							
0	3	14	6.89	3.76	14.21	o	1	4	15	1.68	-9.33	27.51	o							
1	3	14	14.95	-31.41	31.41	o	2	4	15	5.87	8.50	21.91	o							
2	3	14	2.35	26.23	10.33	o	3	4	15	151.05	149.70	19.47	o							
3	3	14	77.91	81.16	13.93	o	4	4	15	13.85	12.32	33.98	o							

Table S(3)
Crystallographic Information File for 5-methoxy isomer of $C_{18}H_{18}N_2O_3S$

```
#==============================================================================

data_[C18H18N2O3S]- 5-methoxy isomer

#==============================================================================


_computing_data_collection            'MSC/AFC Diffractometer Control'
_computing_cell_refinement            'MSC/AFC Diffractometer Control'
_computing_data_reduction
'teXsan for Windows version 1.05 (MSC, 1997)'
_computing_structure_solution
;
SIR92 (Altomare et. al., 1994)
;
_computing_structure_refinement       'SHELXL-97 (Sheldrick, 1997)'
_computing_publication_material
'teXsan for Windows version 1.05 (MSC, 1997)'

#------------------------------------------------------------------------------
_cell_length_a                         11.151(2)
_cell_length_b                         17.693(2)
_cell_length_c                         8.563(5)
_cell_angle_alpha                      90
_cell_angle_beta                       109.64(3)
_cell_angle_gamma                      90
_cell_volume                           1591.2(8)
_cell_formula_units_Z                  4
_cell_measurement_temperature          173
_cell_measurement_reflns_used          25
_cell_measurement_theta_min            7.4
_cell_measurement_theta_max            10.6
#------------------------------------------------------------------------------
_symmetry_cell_setting                 monoclinic
_symmetry_space_group_name_H-M        'P 21/c     '
_symmetry_Int_Tables_number            14
_symmetry_space_group_name_Hall        ?

loop_
_symmetry_equiv_pos_as_xyz
  '   +x,   +y,   +z'
  '   -x,1/2+y,1/2-z'
  '   -x,   -y,   -z'
  '   +x,1/2-y,1/2+z'
#------------------------------------------------------------------------------

_publ_section_exptl_prep
;
    ENTER EXPERIMENTAL SECTION
;
_exptl_crystal_description            'block'
_exptl_crystal_colour                 'colourless'
_exptl_crystal_size_max                0.10
_exptl_crystal_size_mid                0.15
_exptl_crystal_size_min                0.25
_exptl_crystal_density_diffrn          1.429
_exptl_crystal_density_meas            'not measured'
_chemical_formula_weight               342.41
_chemical_formula_analytical           ?
_chemical_formula_sum                  'C18 H18 N2 O3 S '
_chemical_formula_moiety               'C18 H18 N2 O3 S '
_chemical_formula_structural           ?
_chemical_compound_source              ?
_exptl_crystal_F_000                   720
_exptl_absorpt_coefficient_mu          0.223
_exptl_absorpt_correction_type         none
_exptl_special_details
;
 ?
;

#==============================================================================

# EXPERIMENTAL DATA
```

```
_diffrn_special_details
;
 ?
;
_diffrn_ambient_temperature            173
_diffrn_radiation_wavelength           0.71069
_diffrn_radiation_type                 'Mo K\a'
_diffrn_radiation_source              'Rigaku rotating anode'
_diffrn_radiation_monochromator        graphite
_diffrn_radiation_detector            'scintillation counter'
_diffrn_measurement_device            'Rigaku AFC7R'
_diffrn_measurement_method            \w-2\q

_diffrn_standards_number              3
_diffrn_standards_interval_count      400
_diffrn_standards_decay_%             1.2

loop_
_diffrn_standard_refln_index_h
_diffrn_standard_refln_index_k
_diffrn_standard_refln_index_l
   ? ? ?    ? ? ?    ? ? ?

_diffrn_reflns_number                  7518
_reflns_number_total                   3641
_reflns_number_gt                      2311
_reflns_threshold_expression           I>2\s(I)
_diffrn_reflns_av_R_equivalents        ?
_diffrn_reflns_av_sigmaI/netI          0.085
_diffrn_reflns_limit_h_min             -14
_diffrn_reflns_limit_h_max             14
_diffrn_reflns_limit_k_min             -22
_diffrn_reflns_limit_k_max             0
_diffrn_reflns_limit_l_min             -11
_diffrn_reflns_limit_l_max             11
_diffrn_reflns_theta_min               3.0
_diffrn_reflns_theta_max               27.5
_diffrn_reflns_reduction_process      'Lp corrections applied'
_diffrn_orient_matrix_UB_11           -0.03913
_diffrn_orient_matrix_UB_12           -0.04194
_diffrn_orient_matrix_UB_13           -0.07896
_diffrn_orient_matrix_UB_21            0.07880
_diffrn_orient_matrix_UB_22           -0.00340
_diffrn_orient_matrix_UB_23           -0.03068
_diffrn_orient_matrix_UB_31            0.03640
_diffrn_orient_matrix_UB_32           -0.03773
_diffrn_orient_matrix_UB_33            0.09054
#--------------------------------------------------------------------------------

loop_
 _atom_type_symbol
 _atom_type_description
 _atom_type_scat_dispersion_real
 _atom_type_scat_dispersion_imag
 _atom_type_scat_source
 'C'  'C'   0.0033   0.0016
 'International Tables Vol C Tables 4.2.6.8 and 6.1.1.4'
 'H'  'H'   0.0000   0.0000
 'International Tables Vol C Tables 4.2.6.8 and 6.1.1.4'
 'N'  'N'   0.0061   0.0033
 'International Tables Vol C Tables 4.2.6.8 and 6.1.1.4'
 'O'  'O'   0.0106   0.0060
 'International Tables Vol C Tables 4.2.6.8 and 6.1.1.4'
 'S'  'S'   0.1246   0.1234
 'International Tables Vol C Tables 4.2.6.8 and 6.1.1.4'

_refine_special_details
;
 Refinement of F^2^ against ALL reflections.  The weighted R-factor wR and
 goodness of fit S are based on F^2^, conventional R-factors R are based
 on F, with F set to zero for negative F^2^. The threshold expression of
 F^2^ > 2sigma(F^2^) is used only for calculating R-factors(gt) etc. and is
 not relevant to the choice of reflections for refinement.  R-factors based
 on F^2^ are statistically about twice as large as those based on F, and R-
 factors based on ALL data will be even larger.
;

_refine_ls_structure_factor_coef  Fsqd
_refine_ls_matrix_type            full
_refine_ls_weighting_scheme       calc
_refine_ls_weighting_details
```

```
 'calc w=1/[\s^2^(Fo^2^)+(0.0193P)^2^] where P=(Fo^2^+2Fc^2^)/3'
_atom_sites_solution_primary      direct
_atom_sites_solution_secondary    difmap
_atom_sites_solution_hydrogens    geom
_refine_ls_hydrogen_treatment     constr
_refine_ls_extinction_method      none
_refine_ls_extinction_coef        ?
_refine_ls_number_reflns          3641
_refine_ls_number_parameters      218
_refine_ls_number_restraints      0
_refine_ls_R_factor_all           0.081
_refine_ls_R_factor_gt            0.042
_refine_ls_wR_factor_ref          0.110
_refine_ls_wR_factor_gt           0.099
_refine_ls_goodness_of_fit_ref    0.92
_refine_ls_restrained_S_all       0.92
_refine_ls_shift/su_max           '<0.001'
_refine_ls_shift/su_mean          0.000

loop_
 _atom_site_label
 _atom_site_type_symbol
 _atom_site_fract_x
 _atom_site_fract_y
 _atom_site_fract_z
 _atom_site_U_iso_or_equiv
 _atom_site_adp_type
 _atom_site_occupancy
 _atom_site_symmetry_multiplicity
 _atom_site_calc_flag
 _atom_site_refinement_flags
 _atom_site_disorder_assembly
 _atom_site_disorder_group
S8 S 0.79286(5) 0.10146(3) 0.35284(7) 0.02729(15) Uani 1 1 d . . .
O5 O 0.27223(13) 0.21353(7) 0.5225(2) 0.0344(4) Uani 1 1 d . . .
O8B O 0.73459(14) 0.02800(7) 0.3277(2) 0.0373(4) Uani 1 1 d . . .
O8A O 0.87730(14) 0.12071(8) 0.2650(2) 0.0352(4) Uani 1 1 d . . .
N1 N 0.61975(15) 0.30267(8) 0.3632(2) 0.0264(4) Uani 1 1 d . . .
N8 N 0.68158(15) 0.16475(8) 0.2998(2) 0.0286(4) Uani 1 1 d . . .
H8 H 0.7162 0.2114 0.2825 0.0483(16) Uiso 1 1 d . . .
C2 C 0.58679(19) 0.37347(10) 0.3800(3) 0.0270(5) Uani 1 1 d . . .
C2' C 0.6704(2) 0.43432(11) 0.3518(3) 0.0370(6) Uani 1 1 d . . .
H2A H 0.7406 0.4114 0.3239 0.072(2) Uiso 1 1 calc R . .
H2B H 0.7049 0.4647 0.4527 0.072(2) Uiso 1 1 calc R . .
H2C H 0.6205 0.4668 0.2602 0.072(2) Uiso 1 1 calc R . .
C3 C 0.4782(2) 0.39082(10) 0.4227(3) 0.0319(5) Uani 1 1 d . . .
H3 H 0.4551 0.4421 0.4291 0.0483(16) Uiso 1 1 calc R . .
C4 C 0.40594(19) 0.33452(10) 0.4551(3) 0.0302(5) Uani 1 1 d . . .
H4 H 0.3339 0.3464 0.4861 0.0483(16) Uiso 1 1 calc R . .
C4A C 0.44009(18) 0.25805(10) 0.4419(3) 0.0259(5) Uani 1 1 d . . .
C5' C 0.1968(2) 0.15316(11) 0.5500(3) 0.0348(5) Uani 1 1 d . . .
H5A H 0.1286 0.1739 0.5854 0.072(2) Uiso 1 1 calc R . .
H5B H 0.2505 0.1196 0.6363 0.072(2) Uiso 1 1 calc R . .
H5C H 0.1595 0.1246 0.4470 0.072(2) Uiso 1 1 calc R . .
C5 C 0.37139(18) 0.19552(11) 0.4718(3) 0.0281(5) Uani 1 1 d . . .
C6 C 0.40811(19) 0.12336(10) 0.4493(3) 0.0308(5) Uani 1 1 d . . .
H6 H 0.3633 0.0814 0.4716 0.0483(16) Uiso 1 1 calc R . .
C7 C 0.51149(19) 0.11133(10) 0.3938(3) 0.0304(5) Uani 1 1 d . . .
H7 H 0.5337 0.0611 0.3751 0.0483(16) Uiso 1 1 calc R . .
C8A C 0.54642(18) 0.24583(10) 0.3917(3) 0.0244(4) Uani 1 1 d . . .
C8 C 0.58107(18) 0.17049(10) 0.3658(3) 0.0264(5) Uani 1 1 d . . .
C81 C 0.87575(18) 0.11209(10) 0.5660(3) 0.0262(5) Uani 1 1 d . . .
C82 C 0.88740(19) 0.18262(10) 0.6428(3) 0.0278(5) Uani 1 1 d . . .
H82 H 0.8449 0.2254 0.5823 0.0483(16) Uiso 1 1 calc R . .
C83 C 0.96121(19) 0.18940(10) 0.8072(3) 0.0288(5) Uani 1 1 d . . .
H83 H 0.9686 0.2374 0.8594 0.0483(16) Uiso 1 1 calc R . .
C84' C 1.1017(2) 0.13482(12) 1.0800(3) 0.0366(6) Uani 1 1 d . . .
H12 H 1.1662 0.1744 1.0951 0.072(2) Uiso 1 1 calc R . .
H13 H 1.1437 0.0866 1.1213 0.072(2) Uiso 1 1 calc R . .
H14 H 1.0450 0.1483 1.1417 0.072(2) Uiso 1 1 calc R . .
C84 C 1.02557(19) 0.12754(11) 0.8993(3) 0.0289(5) Uani 1 1 d . . .
C85 C 1.0136(2) 0.05808(10) 0.8189(3) 0.0314(5) Uani 1 1 d . . .
H85 H 1.0579 0.0155 0.8783 0.0483(16) Uiso 1 1 calc R . .
C86 C 0.93892(19) 0.04973(10) 0.6553(3) 0.0305(5) Uani 1 1 d . . .
H86 H 0.9305 0.0016 0.6036 0.0483(16) Uiso 1 1 calc R . .

loop_
 _atom_site_aniso_label
 _atom_site_aniso_U_11
 _atom_site_aniso_U_22
 _atom_site_aniso_U_33
```

```
 _atom_site_aniso_U_23
 _atom_site_aniso_U_13
 _atom_site_aniso_U_12
S8 0.0277(3) 0.0240(2) 0.0317(3) -0.0046(2) 0.0120(2) 0.0008(2)
O5 0.0299(8) 0.0304(7) 0.0488(11) 0.0005(7) 0.0210(7) -0.0027(6)
O8B 0.0365(8) 0.0258(7) 0.0479(11) -0.0086(7) 0.0119(7) -0.0033(6)
O8A 0.0369(8) 0.0373(7) 0.0370(10) -0.0050(7) 0.0198(7) 0.0019(7)
N1 0.0269(9) 0.0257(8) 0.0252(10) 0.0008(7) 0.0071(7) 0.0005(7)
N8 0.0278(9) 0.0260(8) 0.0328(11) 0.0016(7) 0.0114(8) 0.0027(7)
C2 0.0284(10) 0.0260(9) 0.0253(12) 0.0017(8) 0.0073(9) -0.0015(8)
C2' 0.0388(12) 0.0281(10) 0.0468(15) 0.0006(10) 0.0179(11) -0.0045(9)
C3 0.0345(11) 0.0235(9) 0.0374(13) -0.0023(9) 0.0116(10) -0.0003(8)
C4 0.0271(10) 0.0295(9) 0.0341(13) -0.0024(9) 0.0106(9) 0.0023(8)
C4A 0.0233(10) 0.0275(9) 0.0253(11) -0.0006(8) 0.0059(8) -0.0005(8)
C5' 0.0296(11) 0.0370(10) 0.0399(14) 0.0018(10) 0.0144(10) -0.0059(9)
C5 0.0227(10) 0.0325(10) 0.0275(12) -0.0014(9) 0.0063(8) -0.0004(8)
C6 0.0280(11) 0.0248(9) 0.0397(14) 0.0010(9) 0.0115(9) -0.0046(8)
C7 0.0307(11) 0.0216(9) 0.0374(13) -0.0028(9) 0.0096(9) -0.0008(8)
C8A 0.0227(10) 0.0262(9) 0.0225(11) 0.0023(8) 0.0055(8) 0.0011(7)
C8 0.0228(9) 0.0292(9) 0.0266(11) -0.0013(8) 0.0076(8) 0.0016(8)
C81 0.0241(9) 0.0288(9) 0.0292(12) -0.0014(8) 0.0137(8) 0.0001(8)
C82 0.0301(10) 0.0208(8) 0.0338(12) 0.0004(8) 0.0123(9) 0.0024(8)
C83 0.0301(10) 0.0260(9) 0.0344(13) -0.0041(9) 0.0161(9) -0.0023(8)
C84' 0.0381(12) 0.0424(11) 0.0305(13) 0.0001(10) 0.0131(10) -0.0037(10)
C84 0.0291(10) 0.0317(9) 0.0304(13) 0.0012(9) 0.0159(9) -0.0022(8)
C85 0.0358(11) 0.0243(9) 0.0367(14) 0.0060(8) 0.0155(10) 0.0034(8)
C86 0.0366(11) 0.0208(8) 0.0368(13) -0.0010(9) 0.0159(10) 0.0024(8)

_geom_special_details
;
 All esds (except the esd in the dihedral angle between two l.s. planes)
 are estimated using the full covariance matrix.  The cell esds are taken
 into account individually in the estimation of esds in distances, angles
 and torsion angles; correlations between esds in cell parameters are only
 used when they are defined by crystal symmetry.  An approximate (isotropic)
 treatment of cell esds is used for estimating esds involving l.s. planes.
;

loop_
 _geom_bond_atom_site_label_1
 _geom_bond_atom_site_label_2
 _geom_bond_distance
 _geom_bond_site_symmetry_2
 _geom_bond_publ_flag
S8 O8A 1.4299(19) . ?
S8 O8B 1.4365(13) . ?
S8 N8 1.6191(16) . ?
S8 C81 1.757(2) . ?
O5 C5 1.355(3) . ?
O5 C5' 1.427(2) . ?
N1 C2 1.327(2) . ?
N1 C8A 1.369(3) . ?
N8 C8 1.419(3) . ?
C2 C3 1.412(3) . ?
C2 C2' 1.496(3) . ?
C3 C4 1.367(3) . ?
C4 C4A 1.420(3) . ?
C4A C8A 1.407(3) . ?
C4A C5 1.417(3) . ?
C5 C6 1.374(3) . ?
C6 C7 1.403(3) . ?
C7 C8 1.371(3) . ?
C8A C8 1.426(3) . ?
C81 C86 1.391(2) . ?
C81 C82 1.396(3) . ?
C82 C83 1.376(3) . ?
C83 C84 1.398(3) . ?
C84' C84 1.500(3) . ?
C84 C85 1.393(3) . ?
C85 C86 1.376(3) . ?

loop_
 _geom_angle_atom_site_label_1
 _geom_angle_atom_site_label_2
 _geom_angle_atom_site_label_3
 _geom_angle
 _geom_angle_site_symmetry_1
 _geom_angle_site_symmetry_3
 _geom_angle_publ_flag
O8A S8 O8B 118.76(10) . . ?
O8A S8 N8 105.41(9) . . ?
```

```
O8B S8 N8 108.56(9) . . ?
O8A S8 C81 108.15(10) . . ?
O8B S8 C81 107.83(10) . . ?
N8 S8 C81 107.67(10) . . ?
C5 O5 C5' 117.81(16) . . ?
C2 N1 C8A 118.07(19) . . ?
C8 N8 S8 124.85(15) . . ?
N1 C2 C3 121.8(2) . . ?
N1 C2 C2' 116.8(2) . . ?
C3 C2 C2' 121.40(18) . . ?
C4 C3 C2 120.64(18) . . ?
C3 C4 C4A 119.1(2) . . ?
C8A C4A C5 119.83(18) . . ?
C8A C4A C4 116.55(19) . . ?
C5 C4A C4 123.6(2) . . ?
O5 C5 C6 125.2(2) . . ?
O5 C5 C4A 115.05(17) . . ?
C6 C5 C4A 119.7(2) . . ?
C5 C6 C7 120.4(2) . . ?
C8 C7 C6 121.40(18) . . ?
N1 C8A C4A 123.83(17) . . ?
N1 C8A C8 116.7(2) . . ?
C4A C8A C8 119.44(19) . . ?
C7 C8 N8 125.75(19) . . ?
C7 C8 C8A 119.2(2) . . ?
N8 C8 C8A 114.88(18) . . ?
C86 C81 C82 119.99(19) . . ?
C86 C81 S8 118.60(15) . . ?
C82 C81 S8 121.21(15) . . ?
C83 C82 C81 119.25(17) . . ?
C82 C83 C84 121.74(18) . . ?
C85 C84 C83 117.76(19) . . ?
C85 C84 C84' 120.86(18) . . ?
C83 C84 C84' 121.35(19) . . ?
C86 C85 C84 121.52(18) . . ?
C85 C86 C81 119.72(18) . . ?

_diffrn_measured_fraction_theta_max    0.999
_diffrn_reflns_theta_full              27.5
_diffrn_measured_fraction_theta_full   0.999
_refine_diff_density_max    0.33
_refine_diff_density_min   -0.56
_refine_diff_density_rms    0.058
```