

data_gme-25r

_audit_creation_method	SHELXL
_chemical_name_systematic	
;	
?	
;	
_chemical_name_common	?
_chemical_formula_moiety	?
_chemical_formula_structural	?
_chemical_formula_analytical	?
_chemical_formula_sum	'Al8 Ca0 Na7 O72 Si16'
_chemical_formula_weight	1978.21
_chemical_melting_point	?
_chemical_compound_source	?

loop_

_atom_type_symbol	
_atom_type_description	
_atom_type_scatter_dispersion_real	
_atom_type_scatter_dispersion_imag	
_atom_type_scatter_source	
'Si' 'Si'	0.0817 0.0704
'International Tables Vol C Tables 4.2.6.8 and 6.1.1.4'	
'Ca' 'Ca'	0.2262 0.3064
'International Tables Vol C Tables 4.2.6.8 and 6.1.1.4'	
'Al' 'Al'	0.0645 0.0514
'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'	
'Na' 'Na'	0.0362 0.0249
'International Tables Vol C Tables 4.2.6.8 and 6.1.1.4'	

_symmetry_cell_setting	?
_symmetry_space_group_name_H-M	?

loop_

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

_cell_length_a	13.6557(10)
_cell_length_b	13.6557(10)
_cell_length_c	10.0162(10)
_cell_angle_alpha	90.00

4351_1_supp_69392_10k3z1.txt

```

_cell_angle_beta          90.00
_cell_angle_gamma        120.00
_cell_volume             1617.6(2)
_cell_formula_units_Z     1
_cell_measurement_temperature 293(2)
_cell_measurement_reflns_used ?
_cell_measurement_theta_min ?
_cell_measurement_theta_max ?

_exptl_crystal_description ?
_exptl_crystal_colour     ?
_exptl_crystal_size_max  ?
_exptl_crystal_size_mid  ?
_exptl_crystal_size_min  ?
_exptl_crystal_density_meas ?
_exptl_crystal_density_diffn 2.031
_exptl_crystal_density_method ?
_exptl_crystal_F_000      981
_exptl_absorpt_coefficient_mu 0.615
_exptl_absorpt_correction_type ?
_exptl_absorpt_correction_T_min ?
_exptl_absorpt_correction_T_max ?

_exptl_special_details
;
?
;

_diffn_ambient_temperature 293(2)
_diffn_radiation_wavelength 0.71073
_diffn_radiation_type      MoK\alpha
_diffn_radiation_source    'fine-focus sealed tube'
_diffn_radiation_monochromator graphite
_diffn_measurement_device  ?
_diffn_measurement_method ?
_diffn_standards_number    ?
_diffn_standards_interval_count ?
_diffn_standards_interval_time ?
_diffn_standards_decay_%   ?
_diffn_reflns_number       679
_diffn_reflns_av_R_equivalents 0.0000
_diffn_reflns_av_sigmaI/netI 0.0485
_diffn_reflns_limit_h_min  -9
_diffn_reflns_limit_h_max   0
_diffn_reflns_limit_k_min   0
_diffn_reflns_limit_k_max  20
_diffn_reflns_limit_l_min   0
_diffn_reflns_limit_l_max  15
_diffn_reflns_theta_min     2.98
_diffn_reflns_theta_max    34.61
_reflns_number_total        679
_reflns_number_observed     679
_reflns_observed_criterion  >2sigma(I)

_computing_data_collection ?
_computing_cell_refinement ?
_computing_data_reduction ?
_computing_structure_solution 'SHELXS-86 (Sheldrick, 1990)'
_computing_structure_refinement 'SHELXL-93 (Sheldrick, 1993)'
_computing_molecular_graphics ?
_computing_publication_material ?

_refine_special_details
;
Refinement on F^2 for ALL reflections except for 0 with very negative F^2
or flagged by the user for potential systematic errors. Weighted R-factors
wR and all goodnesses 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 observed criterion

```

of $F^2 > 2\sigma(F^2)$ is used only for calculating $R_{\text{factor_obs}}$ 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 w=1/[\s^2^(Fo^2)+(0.0779P)^2+1.0030P] 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     ?
_refine_ls_extinction_method       none
_refine_ls_extinction_coef        ?
_refine_ls_number_reflns          679
_refine_ls_number_parameters       62
_refine_ls_number_restraints       0
_refine_ls_R_factor_all            0.0511
_refine_ls_R_factor_obs            0.0511
_refine_ls_wR_factor_all           0.1307
_refine_ls_wR_factor_obs           0.1307
_refine_ls_goodness_of_fit_all     1.119
_refine_ls_goodness_of_fit_obs     1.119
_refine_ls_restrained_S_all        1.119
_refine_ls_restrained_S_obs        1.119
_refine_ls_shift/esd_max           0.015
_refine_ls_shift/esd_mean          0.002
```

```
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_thermal_displace_type
  _atom_site_occupancy
  _atom_site_calc_flag
  _atom_site_refinement_flags
  _atom_site_disorder_group
Al1 Al 0.44031(4) 0.10522(4) 0.09412(6) 0.01733(12) Uani 0.31 d P .
Si1 Si 0.44031(4) 0.10522(4) 0.09412(6) 0.01733(12) Uani 0.69 d P .
O1 O 0.41850(20) 0.20925(10) 0.06069(25) 0.0388(6) Uani 1 d S .
O2 O 0.85320(18) 0.42660(9) 0.06097(22) 0.0301(5) Uani 1 d S .
O3 O 0.41030(17) 0.06568(19) 0.2500 0.0354(6) Uani 1 d S .
O4 O 0.35437(16) 0.0000 0.0000 0.0360(6) Uani 1 d S .
Na1 Na 0.3333 0.6667 0.0698(3) 0.0508(9) Uani 0.993(7) d SP .
Na2 Na 0.1187(4) 0.2374(8) 0.0816(9) 0.133(4) Uani 0.325(6) d SP .
W1 O 0.2014(6) 0.5423(7) 0.2500 0.102(4) Uani 0.450(7) d SP .
W2 O 0.3336(8) 0.1668(4) -0.2500 0.148(5) Uani 0.795(14) d SP .
W3 O 0.1536(10) 0.0768(5) 0.1186(15) 0.365(13) Uani 0.65(2) d SP .
```

```
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
Al1 0.0192(2) 0.0165(2) 0.0175(2) -0.0026(2) -0.0020(2) 0.0099(2)
Si1 0.0192(2) 0.0165(2) 0.0175(2) -0.0026(2) -0.0020(2) 0.0099(2)
O1 0.0441(14) 0.0243(8) 0.055(2) -0.0055(6) -0.0110(12) 0.0220(7)
O2 0.0347(13) 0.0279(8) 0.0298(11) -0.0019(5) -0.0038(10) 0.0174(6)
O3 0.0326(11) 0.0449(12) 0.0216(11) 0.000 0.000 0.0141(10)
O4 0.0344(9) 0.0273(11) 0.0439(12) -0.0168(11) -0.0084(5) 0.0136(5)
```

4351_1_supp_69392_10k3z1.txt

Na1 0.0526(11) 0.0526(11) 0.047(2) 0.000 0.000 0.0263(6)
 Na2 0.182(8) 0.116(7) 0.079(6) 0.027(5) 0.013(2) 0.058(4)
 w1 0.077(5) 0.116(7) 0.044(4) 0.000 0.000 -0.003(5)
 w2 0.147(10) 0.166(8) 0.123(7) 0.000 0.000 0.074(5)
 w3 0.137(12) 0.438(24) 0.420(24) 0.044(5) 0.088(10) 0.069(6)

_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
 Al1 O1 1.6254(9) . ?
 Al1 O4 1.6261(8) . ?
 Al1 O3 1.6358(8) . ?
 Al1 O2 1.6443(10) 5_665 ?
 Al1 Na2 3.364(7) 15 ?
 Al1 Na1 3.5106(14) 13_665 ?
 Al1 w1 3.703(3) 21 ?
 Al1 w3 3.744(11) . ?
 Al1 w2 3.992(3) . ?
 Al1 w1 4.016(6) 14_556 ?
 Al1 w2 4.0388(5) 15 ?
 Al1 w1 4.313(6) 2_654 ?
 Si1 O1 1.6254(9) . ?
 Si1 O4 1.6261(8) . ?
 Si1 O3 1.6358(8) . ?
 Si1 O2 1.6443(10) 5_665 ?
 Si1 Na2 3.364(7) 15 ?
 Si1 Na1 3.5106(14) 13_665 ?
 Si1 w1 3.703(3) 21 ?
 Si1 w3 3.744(11) . ?
 Si1 w2 3.992(3) . ?
 Si1 w1 4.016(6) 14_556 ?
 Si1 w2 4.0388(5) 15 ?
 Si1 w1 4.313(6) 2_654 ?
 O1 Si1 1.6254(9) 11 ?
 O1 Al1 1.6254(9) 11 ?
 O1 Na2 2.572(9) 15 ?
 O1 w3 3.186(12) . ?
 O1 w2 3.270(4) . ?
 O1 w1 3.569(5) 15 ?
 O1 w1 3.569(5) 21 ?
 O2 Si1 1.6443(9) 9_665 ?
 O2 Al1 1.6443(9) 9_665 ?
 O2 Al1 1.6443(9) 3_655 ?
 O2 Si1 1.6443(9) 3_655 ?
 O2 Na1 2.565(3) 13_665 ?
 O2 w1 3.279(4) 13_665 ?
 O2 w1 3.279(4) 8_654 ?
 O2 w1 4.247(6) 19_665 ?
 O2 w1 4.247(6) 2_654 ?
 O3 Si1 1.6358(9) 16_556 ?
 O3 Al1 1.6358(9) 16_556 ?
 O3 w2 3.252(2) 15 ?
 O3 w1 3.278(7) 14_556 ?
 O3 w3 3.817(11) . ?
 O3 w3 3.817(11) 16_556 ?

O3 W1 4.010(10) 9_655 ?
 O4 Si1 1.6261(8) 19 ?
 O4 Al1 1.6261(8) 19 ?
 O4 Na2 2.904(5) 5 ?
 O4 Na2 2.904(5) 15 ?
 O4 W2 3.4907(11) . ?
 O4 W2 3.4907(11) 15 ?
 O4 W3 3.592(9) 15 ?
 O4 W3 3.592(9) . ?
 O4 W1 3.655(5) 14_556 ?
 O4 W1 3.655(5) 21 ?
 Na1 W1 2.516(5) 14_566 ?
 Na1 W1 2.516(5) 20_566 ?
 Na1 W1 2.516(5) 9_665 ?
 Na1 W1 2.516(5) . ?
 Na1 W1 2.516(5) 7 ?
 Na1 W1 2.516(5) 3_665 ?
 Na1 O2 2.565(3) 13_665 ?
 Na1 O2 2.565(3) 17 ?
 Na1 O2 2.565(3) 15_565 ?
 Na1 Al1 3.5106(14) 15_565 ?
 Na1 Si1 3.5106(14) 15_565 ?
 Na1 Al1 3.5106(14) 19_565 ?
 Na2 W2 2.034(10) 2 ?
 Na2 W3 2.24(2) 17 ?
 Na2 W3 2.494(7) 3 ?
 Na2 W3 2.494(7) . ?
 Na2 O1 2.572(9) 17 ?
 Na2 O4 2.904(5) 3 ?
 Na2 O4 2.904(5) 17 ?
 Na2 Na2 3.249(12) 17 ?
 Na2 Na2 3.249(12) 15 ?
 Na2 Al1 3.364(7) 21 ?
 Na2 Si1 3.364(7) 21 ?
 Na2 Al1 3.364(7) 17 ?
 W1 W1 1.59(2) 20_566 ?
 W1 W1 1.91(2) 7 ?
 W1 Na1 2.516(5) 14_566 ?
 W1 W2 2.645(13) 2 ?
 W1 W1 3.035(12) 14_566 ?
 W1 W1 3.035(12) 3_665 ?
 W1 O3 3.278(7) 3 ?
 W1 O2 3.279(4) 13_665 ?
 W1 O2 3.279(4) 4_665 ?
 W2 Na2 2.034(10) 6_554 ?
 W2 Na2 2.034(10) 15 ?
 W2 W1 2.645(13) 21 ?
 W2 W1 2.645(13) 15 ?
 W2 O3 3.253(2) 19 ?
 W2 O3 3.252(2) 2_554 ?
 W2 O1 3.270(4) 16 ?
 W2 O4 3.4907(11) 16 ?
 W3 Na2 2.24(2) 15 ?
 W3 Na2 2.494(7) 5 ?
 W3 W3 2.63(3) 16_556 ?
 W3 W3 2.99(3) 15 ?
 W3 W3 2.99(3) 17 ?
 W3 W3 3.15(2) 5 ?
 W3 W3 3.15(2) 3 ?
 W3 O4 3.592(9) 17 ?

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
01 A11 04 106.63(10) . . ?
01 A11 03 111.10(13) . . ?
04 A11 03 108.10(8) . . ?
01 A11 02 108.09(11) . 5_665 ?
04 A11 02 111.89(11) . 5_665 ?
03 A11 02 110.97(11) . 5_665 ?
01 A11 Na2 47.82(11) . 15 ?
04 A11 Na2 59.66(10) . 15 ?
03 A11 Na2 116.1(2) . 15 ?
02 A11 Na2 132.4(2) 5_665 15 ?
01 A11 Na1 65.98(9) . 13_665 ?
04 A11 Na1 116.05(6) . 13_665 ?
03 A11 Na1 134.69(8) . 13_665 ?
02 A11 Na1 42.98(7) 5_665 13_665 ?
Na2 A11 Na1 95.20(14) 15 13_665 ?
01 A11 w1 72.5(2) . 21 ?
04 A11 w1 75.59(10) . 21 ?
03 A11 w1 173.2(2) . 21 ?
02 A11 w1 62.3(2) 5_665 21 ?
Na2 A11 w1 70.6(2) 15 21 ?
Na1 A11 w1 40.71(11) 13_665 21 ?
01 A11 w3 57.66(13) . . ?
04 A11 w3 72.0(2) . . ?
03 A11 w3 80.0(2) . . ?
02 A11 w3 165.23(15) 5_665 . ?
Na2 A11 w3 36.2(3) 15 . ?
Na1 A11 w3 122.26(13) 13_665 . ?
w1 A11 w3 106.6(3) 21 . ?
01 A11 w2 52.58(9) . . ?
04 A11 w2 60.49(8) . . ?
03 A11 w2 146.73(14) . . ?
02 A11 w2 102.10(15) 5_665 . ?
Na2 A11 w2 30.6(2) 15 . ?
Na1 A11 w2 70.21(13) 13_665 . ?
w1 A11 w2 40.0(2) 21 . ?
w3 A11 w2 66.8(2) . . ?
01 A11 w1 151.3(2) . 14_556 ?
04 A11 w1 65.53(9) . 14_556 ?
03 A11 w1 52.16(10) . 14_556 ?
02 A11 w1 100.2(2) 5_665 14_556 ?
Na2 A11 w1 113.7(2) 15 14_556 ?
Na1 A11 w1 142.70(13) 13_665 14_556 ?
w1 A11 w1 127.06(15) 21 14_556 ?
w3 A11 w1 94.3(2) . 14_556 ?
w2 A11 w1 125.92(12) . 14_556 ?
01 A11 w2 113.2(2) . 15 ?
04 A11 w2 58.97(4) . 15 ?
03 A11 w2 50.48(7) . 15 ?
02 A11 w2 138.6(2) 5_665 15 ?
Na2 A11 w2 81.1(2) 15 15 ?
Na1 A11 w2 174.83(5) 13_665 15 ?
w1 A11 w2 134.17(10) 21 15 ?
w3 A11 w2 56.0(2) . 15 ?
w2 A11 w2 105.1(2) . 15 ?
w1 A11 w2 38.3(2) 14_556 15 ?
01 A11 w1 88.33(13) . 2_654 ?
04 A11 w1 83.67(11) . 2_654 ?
03 A11 w1 152.16(13) . 2_654 ?
02 A11 w1 41.92(13) 5_665 2_654 ?
Na2 A11 w1 91.7(2) 15 2_654 ?
Na1 A11 w1 35.68(10) 13_665 2_654 ?
w1 A11 w1 21.2(2) 21 2_654 ?
w3 A11 w1 127.8(2) . 2_654 ?
w2 A11 w1 61.1(2) . 2_654 ?
w1 A11 w1 116.72(9) 14_556 2_654 ?
w2 A11 w1 140.36(12) 15 2_654 ?
01 Si1 04 106.63(10) . . ?

```

01 Si1 O3 111.10(13) . . ?
 04 Si1 O3 108.10(8) . . ?
 01 Si1 O2 108.09(11) . 5_665 ?
 04 Si1 O2 111.89(11) . 5_665 ?
 03 Si1 O2 110.97(11) . 5_665 ?
 01 Si1 Na2 47.82(11) . 15 ?
 04 Si1 Na2 59.66(10) . 15 ?
 03 Si1 Na2 116.1(2) . 15 ?
 02 Si1 Na2 132.4(2) 5_665 15 ?
 01 Si1 Na1 65.98(9) . 13_665 ?
 04 Si1 Na1 116.05(6) . 13_665 ?
 03 Si1 Na1 134.69(8) . 13_665 ?
 02 Si1 Na1 42.98(7) 5_665 13_665 ?
 Na2 Si1 Na1 95.20(14) 15 13_665 ?
 01 Si1 W1 72.5(2) . 21 ?
 04 Si1 W1 75.59(10) . 21 ?
 03 Si1 W1 173.2(2) . 21 ?
 02 Si1 W1 62.3(2) 5_665 21 ?
 Na2 Si1 W1 70.6(2) 15 21 ?
 Na1 Si1 W1 40.71(11) 13_665 21 ?
 01 Si1 W3 57.66(13) . . ?
 04 Si1 W3 72.0(2) . . ?
 03 Si1 W3 80.0(2) . . ?
 02 Si1 W3 165.23(15) 5_665 . ?
 Na2 Si1 W3 36.2(3) 15 . ?
 Na1 Si1 W3 122.26(13) 13_665 . ?
 W1 Si1 W3 106.6(3) 21 . ?
 01 Si1 W2 52.58(9) . . ?
 04 Si1 W2 60.49(8) . . ?
 03 Si1 W2 146.73(14) . . ?
 02 Si1 W2 102.10(15) 5_665 . ?
 Na2 Si1 W2 30.6(2) 15 . ?
 Na1 Si1 W2 70.21(13) 13_665 . ?
 W1 Si1 W2 40.0(2) 21 . ?
 W3 Si1 W2 66.8(2) . . ?
 01 Si1 W1 151.3(2) . 14_556 ?
 04 Si1 W1 65.53(9) . 14_556 ?
 03 Si1 W1 52.16(10) . 14_556 ?
 02 Si1 W1 100.2(2) 5_665 14_556 ?
 Na2 Si1 W1 113.7(2) 15 14_556 ?
 Na1 Si1 W1 142.70(13) 13_665 14_556 ?
 W1 Si1 W1 127.06(15) 21 14_556 ?
 W3 Si1 W1 94.3(2) . 14_556 ?
 W2 Si1 W1 125.92(12) . 14_556 ?
 01 Si1 W2 113.2(2) . 15 ?
 04 Si1 W2 58.97(4) . 15 ?
 03 Si1 W2 50.48(7) . 15 ?
 02 Si1 W2 138.6(2) 5_665 15 ?
 Na2 Si1 W2 81.1(2) 15 15 ?
 Na1 Si1 W2 174.83(5) 13_665 15 ?
 W1 Si1 W2 134.17(10) 21 15 ?
 W3 Si1 W2 56.0(2) . 15 ?
 W2 Si1 W2 105.1(2) . 15 ?
 W1 Si1 W2 38.3(2) 14_556 15 ?
 01 Si1 W1 88.33(13) . 2_654 ?
 04 Si1 W1 83.67(11) . 2_654 ?
 03 Si1 W1 152.16(13) . 2_654 ?
 02 Si1 W1 41.92(13) 5_665 2_654 ?
 Na2 Si1 W1 91.7(2) 15 2_654 ?
 Na1 Si1 W1 35.68(10) 13_665 2_654 ?
 W1 Si1 W1 21.2(2) 21 2_654 ?
 W3 Si1 W1 127.8(2) . 2_654 ?
 W2 Si1 W1 61.1(2) . 2_654 ?
 W1 Si1 W1 116.72(9) 14_556 2_654 ?
 W2 Si1 W1 140.36(12) 15 2_654 ?
 Si1 O1 A11 0.00(6) 11 11 ?
 Si1 O1 A11 149.9(2) 11 . ?
 A11 O1 A11 149.9(2) 11 . ?

Si1 01 Si1 149.9(2) 11 . ?
 Al1 01 Si1 149.9(2) 11 . ?
 Al1 01 Si1 0.00(5) . . ?
 Si1 01 Na2 104.25(9) 11 15 ?
 Al1 01 Na2 104.25(9) 11 15 ?
 Al1 01 Na2 104.25(9) . 15 ?
 Si1 01 Na2 104.25(9) . 15 ?
 Si1 01 W3 96.80(11) 11 . ?
 Al1 01 W3 96.80(11) 11 . ?
 Al1 01 W3 96.80(11) . . ?
 Si1 01 W3 96.80(11) . . ?
 Na2 01 W3 44.1(3) 15 . ?
 Si1 01 W2 104.17(9) 11 . ?
 Al1 01 W2 104.17(9) 11 . ?
 Al1 01 W2 104.17(9) . . ?
 Si1 01 W2 104.17(9) . . ?
 Na2 01 W2 38.5(3) 15 . ?
 W3 01 W2 82.6(3) . . ?
 Si1 01 W1 81.8(2) 11 15 ?
 Al1 01 W1 81.8(2) 11 15 ?
 Al1 01 W1 111.9(2) . 15 ?
 Si1 01 W1 111.9(2) . 15 ?
 Na2 01 W1 81.9(2) 15 15 ?
 W3 01 W1 124.2(3) . 15 ?
 W2 01 W1 45.3(2) . 15 ?
 Si1 01 W1 111.9(2) 11 21 ?
 Al1 01 W1 111.9(2) 11 21 ?
 Al1 01 W1 81.8(2) . 21 ?
 Si1 01 W1 81.8(2) . 21 ?
 Na2 01 W1 81.9(2) 15 21 ?
 W3 01 W1 124.2(3) . 21 ?
 W2 01 W1 45.3(2) . 21 ?
 W1 01 W1 31.0(3) 15 21 ?
 Si1 02 Al1 0.00(6) 9_665 9_665 ?
 Si1 02 Al1 137.71(15) 9_665 3_655 ?
 Al1 02 Al1 137.71(15) 9_665 3_655 ?
 Si1 02 Si1 137.71(15) 9_665 3_655 ?
 Al1 02 Si1 137.71(15) 9_665 3_655 ?
 Al1 02 Si1 0.00(6) 3_655 3_655 ?
 Si1 02 Na1 111.11(7) 9_665 13_665 ?
 Al1 02 Na1 111.11(7) 9_665 13_665 ?
 Al1 02 Na1 111.11(7) 3_655 13_665 ?
 Si1 02 Na1 111.11(7) 3_655 13_665 ?
 Si1 02 W1 91.4(2) 9_665 13_665 ?
 Al1 02 W1 91.4(2) 9_665 13_665 ?
 Al1 02 W1 118.5(2) 3_655 13_665 ?
 Si1 02 W1 118.5(2) 3_655 13_665 ?
 Na1 02 W1 49.15(14) 13_665 13_665 ?
 Si1 02 W1 118.5(2) 9_665 8_654 ?
 Al1 02 W1 118.5(2) 9_665 8_654 ?
 Al1 02 W1 91.4(2) 3_655 8_654 ?
 Si1 02 W1 91.4(2) 3_655 8_654 ?
 Na1 02 W1 49.15(14) 13_665 8_654 ?
 W1 02 W1 28.1(3) 13_665 8_654 ?
 Si1 02 W1 85.72(12) 9_665 19_665 ?
 Al1 02 W1 85.72(12) 9_665 19_665 ?
 Al1 02 W1 133.95(12) 3_655 19_665 ?
 Si1 02 W1 133.95(12) 3_655 19_665 ?
 Na1 02 W1 32.94(13) 13_665 19_665 ?
 W1 02 W1 25.4(2) 13_665 19_665 ?
 W1 02 W1 45.3(2) 8_654 19_665 ?
 Si1 02 W1 133.95(12) 9_665 2_654 ?
 Al1 02 W1 133.95(12) 9_665 2_654 ?
 Al1 02 W1 85.72(12) 3_655 2_654 ?
 Si1 02 W1 85.72(12) 3_655 2_654 ?
 Na1 02 W1 32.94(13) 13_665 2_654 ?
 W1 02 W1 45.3(2) 13_665 2_654 ?
 W1 02 W1 25.4(2) 8_654 2_654 ?

W1 02 W1 48.7(2) 19_665 2_654 ?
 Si1 03 Al1 0.00(6) 16_556 16_556 ?
 Si1 03 Al1 145.28(14) 16_556 . ?
 Al1 03 Al1 145.28(14) 16_556 . ?
 Si1 03 Si1 145.28(14) 16_556 . ?
 Al1 03 Si1 145.28(14) 16_556 . ?
 Al1 03 Si1 0.00(6) . . ?
 Si1 03 W2 106.70(7) 16_556 15 ?
 Al1 03 W2 106.70(7) 16_556 15 ?
 Al1 03 W2 106.70(7) . 15 ?
 Si1 03 W2 106.70(7) . 15 ?
 Si1 03 W1 104.63(9) 16_556 14_556 ?
 Al1 03 W1 104.63(9) 16_556 14_556 ?
 Al1 03 W1 104.63(9) . 14_556 ?
 Si1 03 W1 104.63(9) . 14_556 ?
 W2 03 W1 47.8(2) 15 14_556 ?
 Si1 03 W3 113.5(2) 16_556 . ?
 Al1 03 W3 113.5(2) 16_556 . ?
 Al1 03 W3 75.0(2) . . ?
 Si1 03 W3 75.0(2) . . ?
 W2 03 W3 61.8(2) 15 . ?
 W1 03 W3 106.5(2) 14_556 . ?
 Si1 03 W3 75.0(2) 16_556 16_556 ?
 Al1 03 W3 75.0(2) 16_556 16_556 ?
 Al1 03 W3 113.5(2) . 16_556 ?
 Si1 03 W3 113.5(2) . 16_556 ?
 W2 03 W3 61.8(2) 15 16_556 ?
 W1 03 W3 106.5(2) 14_556 16_556 ?
 W3 03 W3 40.3(4) . 16_556 ?
 Si1 03 W1 99.93(10) 16_556 9_655 ?
 Al1 03 W1 99.93(10) 16_556 9_655 ?
 Al1 03 W1 99.93(10) . 9_655 ?
 Si1 03 W1 99.93(10) . 9_655 ?
 W2 03 W1 70.3(2) 15 9_655 ?
 W1 03 W1 22.5(3) 14_556 9_655 ?
 W3 03 W1 127.2(2) . 9_655 ?
 W3 03 W1 127.2(2) 16_556 9_655 ?
 Si1 04 Al1 0.00(6) . . ?
 Si1 04 Si1 147.5(2) . 19 ?
 Al1 04 Si1 147.5(2) . 19 ?
 Si1 04 Al1 147.5(2) . 19 ?
 Al1 04 Al1 147.5(2) . 19 ?
 Si1 04 Al1 0.00(7) 19 19 ?
 Si1 04 Na2 116.0(2) . 5 ?
 Al1 04 Na2 116.0(2) . 5 ?
 Si1 04 Na2 91.44(15) 19 5 ?
 Al1 04 Na2 91.44(15) 19 5 ?
 Si1 04 Na2 91.44(15) . 15 ?
 Al1 04 Na2 91.44(15) . 15 ?
 Si1 04 Na2 116.0(2) 19 15 ?
 Al1 04 Na2 116.0(2) 19 15 ?
 Na2 04 Na2 68.0(3) 5 15 ?
 Si1 04 W2 95.59(10) . . ?
 Al1 04 W2 95.59(10) . . ?
 Si1 04 W2 97.51(4) 19 . ?
 Al1 04 W2 97.51(4) 19 . ?
 Na2 04 W2 97.9(2) 5 . ?
 Na2 04 W2 35.6(2) 15 . ?
 Si1 04 W2 97.51(4) . 15 ?
 Al1 04 W2 97.51(4) . 15 ?
 Si1 04 W2 95.59(10) 19 15 ?
 Al1 04 W2 95.59(10) 19 15 ?
 Na2 04 W2 35.6(2) 5 15 ?
 Na2 04 W2 97.9(2) 15 15 ?
 W2 04 W2 131.9(3) . 15 ?
 Si1 04 W3 129.8(2) . 15 ?
 Al1 04 W3 129.8(2) . 15 ?
 Si1 04 W3 82.5(2) 19 15 ?

Al1 04 w3 82.5(2) 19 15 ?
 Na2 04 w3 38.5(3) 5 15 ?
 Na2 04 w3 43.6(2) 15 15 ?
 W2 04 w3 62.3(2) . 15 ?
 W2 04 w3 74.0(2) 15 15 ?
 Si1 04 w3 82.5(2) . . ?
 Al1 04 w3 82.5(2) . . ?
 Si1 04 w3 129.8(2) 19 . ?
 Al1 04 w3 129.8(2) 19 . ?
 Na2 04 w3 43.6(2) 5 . ?
 Na2 04 w3 38.5(3) 15 . ?
 W2 04 w3 74.0(2) . . ?
 W2 04 w3 62.3(2) 15 . ?
 W3 04 w3 49.2(4) 15 . ?
 Si1 04 w1 90.58(12) . 14_556 ?
 Al1 04 w1 90.58(12) . 14_556 ?
 Si1 04 w1 78.89(8) 19 14_556 ?
 Al1 04 w1 78.89(8) 19 14_556 ?
 Na2 04 w1 76.3(2) 5 14_556 ?
 Na2 04 w1 141.1(2) 15 14_556 ?
 W2 04 w1 172.9(2) . 14_556 ?
 W2 04 w1 43.4(2) 15 14_556 ?
 W3 04 w1 111.0(2) 15 14_556 ?
 W3 04 w1 103.6(2) . 14_556 ?
 Si1 04 w1 78.89(8) . 21 ?
 Al1 04 w1 78.89(8) . 21 ?
 Si1 04 w1 90.58(12) 19 21 ?
 Al1 04 w1 90.58(12) 19 21 ?
 Na2 04 w1 141.1(2) 5 21 ?
 Na2 04 w1 76.3(2) 15 21 ?
 W2 04 w1 43.4(2) . 21 ?
 W2 04 w1 172.9(2) 15 21 ?
 W3 04 w1 103.6(2) 15 21 ?
 W3 04 w1 111.0(2) . 21 ?
 W1 04 w1 141.9(3) 14_556 21 ?
 W1 Na1 w1 44.5(4) 14_566 20_566 ?
 W1 Na1 w1 36.9(4) 14_566 9_665 ?
 W1 Na1 w1 74.2(2) 20_566 9_665 ?
 W1 Na1 w1 74.2(2) 14_566 . ?
 W1 Na1 w1 36.9(4) 20_566 . ?
 W1 Na1 w1 88.1(2) 9_665 . ?
 W1 Na1 w1 88.1(2) 14_566 7 ?
 W1 Na1 w1 74.2(2) 20_566 7 ?
 W1 Na1 w1 74.2(2) 9_665 7 ?
 W1 Na1 w1 44.5(4) . 7 ?
 W1 Na1 w1 74.2(2) 14_566 3_665 ?
 W1 Na1 w1 88.1(2) 20_566 3_665 ?
 W1 Na1 w1 44.5(4) 9_665 3_665 ?
 W1 Na1 w1 74.2(2) . 3_665 ?
 W1 Na1 w1 36.9(4) 7 3_665 ?
 W1 Na1 O2 113.4(2) 14_566 13_665 ?
 W1 Na1 O2 80.38(15) 20_566 13_665 ?
 W1 Na1 O2 150.3(2) 9_665 13_665 ?
 W1 Na1 O2 80.38(14) . 13_665 ?
 W1 Na1 O2 113.4(2) 7 13_665 ?
 W1 Na1 O2 150.3(2) 3_665 13_665 ?
 W1 Na1 O2 80.38(14) 14_566 17 ?
 W1 Na1 O2 113.4(2) 20_566 17 ?
 W1 Na1 O2 80.38(14) 9_665 17 ?
 W1 Na1 O2 150.3(2) . 17 ?
 W1 Na1 O2 150.3(2) 7 17 ?
 W1 Na1 O2 113.4(2) 3_665 17 ?
 O2 Na1 O2 96.27(10) 13_665 17 ?
 W1 Na1 O2 150.3(2) 14_566 15_565 ?
 W1 Na1 O2 150.3(2) 20_566 15_565 ?
 W1 Na1 O2 113.4(2) 9_665 15_565 ?
 W1 Na1 O2 113.4(2) . 15_565 ?
 W1 Na1 O2 80.38(14) 7 15_565 ?

W1 Na1 O2 80.38(14) 3_665 15_565 ?
 O2 Na1 O2 96.27(10) 13_665 15_565 ?
 O2 Na1 O2 96.27(10) 17 15_565 ?
 W1 Na1 A11 93.4(2) 14_566 15_565 ?
 W1 Na1 A11 73.77(11) 20_566 15_565 ?
 W1 Na1 A11 128.3(2) 9_665 15_565 ?
 W1 Na1 A11 89.8(2) . 15_565 ?
 W1 Na1 A11 131.8(2) 7 15_565 ?
 W1 Na1 A11 161.84(15) 3_665 15_565 ?
 O2 Na1 A11 25.910(14) 13_665 15_565 ?
 O2 Na1 A11 76.49(5) 17 15_565 ?
 O2 Na1 A11 114.65(9) 15_565 15_565 ?
 W1 Na1 Si1 93.4(2) 14_566 15_565 ?
 W1 Na1 Si1 73.77(11) 20_566 15_565 ?
 W1 Na1 Si1 128.3(2) 9_665 15_565 ?
 W1 Na1 Si1 89.8(2) . 15_565 ?
 W1 Na1 Si1 131.8(2) 7 15_565 ?
 W1 Na1 Si1 161.84(15) 3_665 15_565 ?
 O2 Na1 Si1 25.910(14) 13_665 15_565 ?
 O2 Na1 Si1 76.49(5) 17 15_565 ?
 O2 Na1 Si1 114.65(9) 15_565 15_565 ?
 A11 Na1 Si1 0.00(3) 15_565 15_565 ?
 W1 Na1 A11 73.77(11) 14_566 19_565 ?
 W1 Na1 A11 93.4(2) 20_566 19_565 ?
 W1 Na1 A11 89.8(2) 9_665 19_565 ?
 W1 Na1 A11 128.3(2) . 19_565 ?
 W1 Na1 A11 161.84(15) 7 19_565 ?
 W1 Na1 A11 131.8(2) 3_665 19_565 ?
 O2 Na1 A11 76.49(5) 13_665 19_565 ?
 O2 Na1 A11 25.910(14) 17 19_565 ?
 O2 Na1 A11 114.65(9) 15_565 19_565 ?
 A11 Na1 A11 53.11(3) 15_565 19_565 ?
 Si1 Na1 A11 53.11(3) 15_565 19_565 ?
 W2 Na2 W3 172.3(6) 2 17 ?
 W2 Na2 W3 107.6(5) 2 3 ?
 W3 Na2 W3 78.2(6) 17 3 ?
 W2 Na2 W3 107.6(5) 2 . ?
 W3 Na2 W3 78.2(6) 17 . ?
 W3 Na2 W3 78.2(6) 3 . ?
 W2 Na2 O1 89.7(4) 2 17 ?
 W3 Na2 O1 82.6(4) 17 17 ?
 W3 Na2 O1 135.7(3) 3 17 ?
 W3 Na2 O1 135.7(3) . 17 ?
 W2 Na2 O4 88.1(2) 2 3 ?
 W3 Na2 O4 87.6(3) 17 3 ?
 W3 Na2 O4 83.0(3) 3 3 ?
 W3 Na2 O4 158.4(4) . 3 ?
 O1 Na2 O4 56.48(14) 17 3 ?
 W2 Na2 O4 88.1(2) 2 17 ?
 W3 Na2 O4 87.6(3) 17 17 ?
 W3 Na2 O4 158.4(4) 3 17 ?
 W3 Na2 O4 83.0(3) . 17 ?
 O1 Na2 O4 56.48(14) 17 17 ?
 O4 Na2 O4 112.8(3) 3 17 ?
 W2 Na2 Na2 131.2(2) 2 17 ?
 W3 Na2 Na2 50.0(2) 17 17 ?
 W3 Na2 Na2 43.4(3) 3 17 ?
 W3 Na2 Na2 102.6(3) . 17 ?
 O1 Na2 Na2 94.6(3) 17 17 ?
 O4 Na2 Na2 56.0(2) 3 17 ?
 O4 Na2 Na2 133.4(4) 17 17 ?
 W2 Na2 Na2 131.2(2) 2 15 ?
 W3 Na2 Na2 50.0(2) 17 15 ?
 W3 Na2 Na2 102.6(3) 3 15 ?
 W3 Na2 Na2 43.4(3) . 15 ?
 O1 Na2 Na2 94.6(3) 17 15 ?
 O4 Na2 Na2 133.4(4) 3 15 ?
 O4 Na2 Na2 56.0(2) 17 15 ?

Na2 Na2 Na2 96.9(4) 17 15 ?
 W2 Na2 Al1 92.0(3) 2 21 ?
 W3 Na2 Al1 81.2(4) 17 21 ?
 W3 Na2 Al1 109.1(3) 3 21 ?
 W3 Na2 Al1 156.2(5) . 21 ?
 O1 Na2 Al1 27.92(7) 17 21 ?
 O4 Na2 Al1 28.90(7) 3 21 ?
 O4 Na2 Al1 84.4(2) 17 21 ?
 Na2 Na2 Al1 72.3(2) 17 21 ?
 Na2 Na2 Al1 113.2(4) 15 21 ?
 W2 Na2 Si1 92.0(3) 2 21 ?
 W3 Na2 Si1 81.2(4) 17 21 ?
 W3 Na2 Si1 109.1(3) 3 21 ?
 W3 Na2 Si1 156.2(5) . 21 ?
 O1 Na2 Si1 27.92(7) 17 21 ?
 O4 Na2 Si1 28.90(7) 3 21 ?
 O4 Na2 Si1 84.4(2) 17 21 ?
 Na2 Na2 Si1 72.3(2) 17 21 ?
 Na2 Na2 Si1 113.2(4) 15 21 ?
 Al1 Na2 Si1 0.00(3) 21 21 ?
 W2 Na2 Al1 92.0(3) 2 17 ?
 W3 Na2 Al1 81.2(4) 17 17 ?
 W3 Na2 Al1 156.2(5) 3 17 ?
 W3 Na2 Al1 109.1(3) . 17 ?
 O1 Na2 Al1 27.92(7) 17 17 ?
 O4 Na2 Al1 84.4(2) 3 17 ?
 O4 Na2 Al1 28.90(7) 17 17 ?
 Na2 Na2 Al1 113.2(4) 17 17 ?
 Na2 Na2 Al1 72.3(2) 15 17 ?
 Al1 Na2 Al1 55.62(13) 21 17 ?
 Si1 Na2 Al1 55.62(13) 21 17 ?
 W1 W1 W1 120.000(3) 20_566 7 ?
 W1 W1 Na1 71.5(2) 20_566 . ?
 W1 W1 Na1 67.7(2) 7 . ?
 W1 W1 Na1 71.5(2) 20_566 14_566 ?
 W1 W1 Na1 67.7(2) 7 14_566 ?
 Na1 W1 Na1 91.7(2) . 14_566 ?
 W1 W1 W2 171.1(2) 20_566 2 ?
 W1 W1 W2 68.9(2) 7 2 ?
 Na1 W1 W2 114.1(3) . 2 ?
 Na1 W1 W2 114.1(3) 14_566 2 ?
 W1 W1 W1 32.9(3) 20_566 14_566 ?
 W1 W1 W1 87.1(3) 7 14_566 ?
 Na1 W1 W1 52.90(9) . 14_566 ?
 Na1 W1 W1 52.90(9) 14_566 14_566 ?
 W2 W1 W1 155.9(5) 2 14_566 ?
 W1 W1 W1 92.9(3) 20_566 3_665 ?
 W1 W1 W1 27.1(3) 7 3_665 ?
 Na1 W1 W1 52.90(9) . 3_665 ?
 Na1 W1 W1 52.90(9) 14_566 3_665 ?
 W2 W1 W1 95.9(5) 2 3_665 ?
 W1 W1 W1 60.0 14_566 3_665 ?
 W1 W1 O3 105.5(2) 20_566 3 ?
 W1 W1 O3 134.5(2) 7 3 ?
 Na1 W1 O3 133.03(14) . 3 ?
 Na1 W1 O3 133.03(14) 14_566 3 ?
 W2 W1 O3 65.6(2) 2 3 ?
 W1 W1 O3 138.5(5) 14_566 3 ?
 W1 W1 O3 161.5(5) 3_665 3 ?
 W1 W1 O2 75.9(2) 20_566 13_665 ?
 W1 W1 O2 106.98(15) 7 13_665 ?
 Na1 W1 O2 50.47(7) . 13_665 ?
 Na1 W1 O2 136.6(3) 14_566 13_665 ?
 W2 W1 O2 102.11(15) 2 13_665 ?
 W1 W1 O2 84.4(2) 14_566 13_665 ?
 W1 W1 O2 102.07(11) 3_665 13_665 ?
 O3 W1 O2 82.84(14) 3 13_665 ?
 W1 W1 O2 75.9(2) 20_566 4_665 ?

w1 w1 o2 106.98(15) 7 4_665 ?
 Na1 w1 o2 136.6(3) . 4_665 ?
 Na1 w1 o2 50.47(7) 14_566 4_665 ?
 w2 w1 o2 102.11(15) 2 4_665 ?
 w1 w1 o2 84.4(2) 14_566 4_665 ?
 w1 w1 o2 102.07(11) 3_665 4_665 ?
 o3 w1 o2 82.84(14) 3 4_665 ?
 o2 w1 o2 143.5(3) 13_665 4_665 ?
 Na2 w2 Na2 112.0(6) 6_554 15 ?
 Na2 w2 w1 121.4(3) 6_554 21 ?
 Na2 w2 w1 121.4(3) 15 21 ?
 Na2 w2 w1 121.4(3) 6_554 15 ?
 Na2 w2 w1 121.4(3) 15 15 ?
 w1 w2 w1 42.2(4) 21 15 ?
 Na2 w2 o3 91.28(9) 6_554 19 ?
 Na2 w2 o3 91.28(9) 15 19 ?
 w1 w2 o3 66.6(2) 21 19 ?
 w1 w2 o3 108.8(3) 15 19 ?
 Na2 w2 o3 91.28(9) 6_554 2_554 ?
 Na2 w2 o3 91.28(9) 15 2_554 ?
 w1 w2 o3 108.8(3) 21 2_554 ?
 w1 w2 o3 66.6(2) 15 2_554 ?
 o3 w2 o3 175.4(3) 19 2_554 ?
 Na2 w2 o1 163.9(4) 6_554 . ?
 Na2 w2 o1 51.9(2) 15 . ?
 w1 w2 o1 73.4(2) 21 . ?
 w1 w2 o1 73.4(2) 15 . ?
 o3 w2 o1 89.30(6) 19 . ?
 o3 w2 o1 89.30(6) 2_554 . ?
 Na2 w2 o1 51.9(2) 6_554 16 ?
 Na2 w2 o1 163.9(4) 15 16 ?
 w1 w2 o1 73.4(2) 21 16 ?
 w1 w2 o1 73.4(2) 15 16 ?
 o3 w2 o1 89.30(6) 19 16 ?
 o3 w2 o1 89.30(6) 2_554 16 ?
 o1 w2 o1 144.2(3) . 16 ?
 Na2 w2 o4 56.26(13) 6_554 16 ?
 Na2 w2 o4 129.3(2) 15 16 ?
 w1 w2 o4 71.63(15) 21 16 ?
 w1 w2 o4 100.6(2) 15 16 ?
 o3 w2 o4 45.94(2) 19 16 ?
 o3 w2 o4 133.61(4) 2_554 16 ?
 o1 w2 o4 131.39(14) . 16 ?
 o1 w2 o4 45.23(2) 16 16 ?
 Na2 w2 o4 129.3(2) 6_554 . ?
 Na2 w2 o4 56.26(13) 15 . ?
 w1 w2 o4 71.63(15) 21 . ?
 w1 w2 o4 100.6(2) 15 . ?
 o3 w2 o4 45.94(2) 19 . ?
 o3 w2 o4 133.61(4) 2_554 . ?
 o1 w2 o4 45.23(2) . . ?
 o1 w2 o4 131.39(14) 16 . ?
 o4 w2 o4 91.67(4) 16 . ?
 Na2 w3 Na2 86.6(4) 15 5 ?
 Na2 w3 Na2 86.6(4) 15 . ?
 Na2 w3 Na2 154.3(7) 5 . ?
 Na2 w3 w3 153.7(4) 15 16_556 ?
 Na2 w3 w3 98.5(4) 5 16_556 ?
 Na2 w3 w3 98.5(4) . 16_556 ?
 Na2 w3 w3 54.7(5) 15 15 ?
 Na2 w3 w3 47.1(3) 5 15 ?
 Na2 w3 w3 110.2(6) . 15 ?
 w3 w3 w3 142.6(4) 16_556 15 ?
 Na2 w3 w3 54.7(5) 15 17 ?
 Na2 w3 w3 110.2(6) 5 17 ?
 Na2 w3 w3 47.1(3) . 17 ?
 w3 w3 w3 142.6(4) 16_556 17 ?
 w3 w3 w3 63.5(6) 15 17 ?

Na2 W3 W3 112.6(3) 15 5 ?
 Na2 W3 W3 50.9(3) 5 5 ?
 Na2 W3 W3 110.1(3) . 5 ?
 W3 W3 W3 90.0 16_556 5 ?
 W3 W3 W3 58.3(3) 15 5 ?
 W3 W3 W3 90.0 17 5 ?
 Na2 W3 W3 112.6(3) 15 3 ?
 Na2 W3 W3 110.1(3) 5 3 ?
 Na2 W3 W3 50.9(3) . 3 ?
 W3 W3 W3 90.0 16_556 3 ?
 W3 W3 W3 90.0 15 3 ?
 W3 W3 W3 58.3(3) 17 3 ?
 W3 W3 W3 60.0 5 3 ?
 Na2 W3 O1 53.2(3) 15 . ?
 Na2 W3 O1 97.8(3) 5 . ?
 Na2 W3 O1 97.8(3) . . ?
 W3 W3 O1 100.5(3) 16_556 . ?
 W3 W3 O1 98.9(4) 15 . ?
 W3 W3 O1 98.9(4) 17 . ?
 W3 W3 O1 148.38(8) 5 . ?
 W3 W3 O1 148.38(8) 3 . ?
 Na2 W3 O4 53.9(2) 15 17 ?
 Na2 W3 O4 135.8(5) 5 17 ?
 Na2 W3 O4 53.4(2) . 17 ?
 W3 W3 O4 109.3(2) 16_556 17 ?
 W3 W3 O4 107.0(6) 15 17 ?
 W3 W3 O4 65.4(2) 17 17 ?
 W3 W3 O4 155.4(2) 5 17 ?
 W3 W3 O4 103.62(14) 3 17 ?
 O1 W3 O4 44.76(13) . 17 ?

_refine_diff_density_max 0.887
 _refine_diff_density_min -1.159
 _refine_diff_density_rms 0.111