Acta Cryst. (1975). B31, 2750

The crystal structure of sodium chlorite trihydrate, $NaClO_2.3H_2O$. Erratum.

By VITTORIO TAZZOLI, VINCENZO RIGANTI,* GIUSEPPE GIUSEPPETTI and ALESSANDRO CODA,† *Centro di Studio per la Cristallografia Strutturale del Consiglio Nazionale delle Ricerche, Istituto di Mineralogia dell'Università, Via Bassi* 4, 27100 *Pavia, Italy*

(*Received* 3 *June* 1975; *accepted* 3 *June* 1975)

Errors associated with Figs. 1 and 2 in Tazzoli, Riganti, Giuseppetti & Coda [*Acta Cryst.* (1975). B31, 1032–1037] are corrected.

In Tazzoli, Riganti, Giuseppetti & Coda (1975) Figs. 1 and 2 are incorrect. The correct figures are given below.

* Permanent address: Istituto di Chimica Generale e Inorganica dell'Università, Via Taramelli 12, 27100 Pavia, Italy.
† Permanent address: Istituto di Cristallografia dell'Università, Via Bassi 4, 27100 Pavia, Italy.

Note added in proof: – Recently Tarimci, Schempp & Chang (1975) carried out an independent determination of this structure. Their cell parameters are slightly different from ours. We have redetermined these parameters accurately, at 21, 25 and 30°C, with the least-squares routine provided by the manufacturers of the PW1100 Philips diffractometer: this procedure included the exploration of the

Table 1. *Sodium chlorite trihydrate cell parameters with estimated standard deviations in parentheses*

Cell periods are in Å and cell angles are in degrees.

	a	*b*	*c*	α	β	γ
Tarimci *et al.* (1975)	5·492 (1)	6·412 (1)	8·832 (1)	72·06 (5)	87·73 (5)	70·88 (5)
Present determination, 21°C	5·498 (2)	6·428 (2)	8·831 (3)	71·98 (7)	87·66 (7)	70.81 (7)
Present determination, 25°C	5·501 (2)	6·429 (2)	8·833 (3)	71·97 (7)	87·68 (7)	70·83 (7)
Present determination, 30°C	5·502 (2)	6·430 (2)	8·835 (3)	71·97 (7)	87·69 (7)	70·83 (7)
Tazzoli *et al.* (1975)	5·504 (2)	6·441 (2)	8·842 (3)	71·94 (7)	87·64 (7)	70·78 (7)

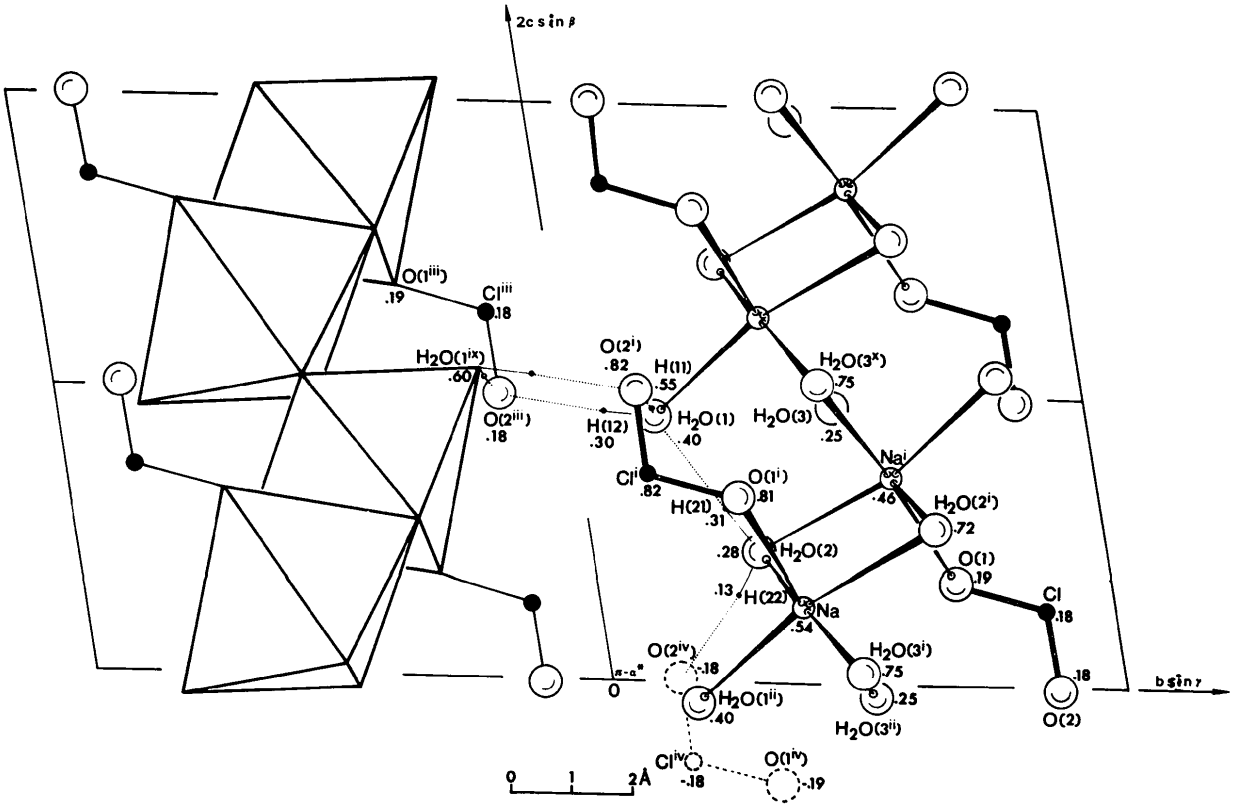

Fig. 1. Four cells of the crystal structure projected along the *a* axis; the figures quote the *x*/*a* coordinates of the relevant atoms. Only the hydrogen bonds around $H_2O(1)$ and $H_2O(2)$ are shown. Note that the $O(2^{iv})$–Cl^{iv}–$O(1^{iv})$ anion is one cell below, along the projection axis, with respect to the other similar anions.

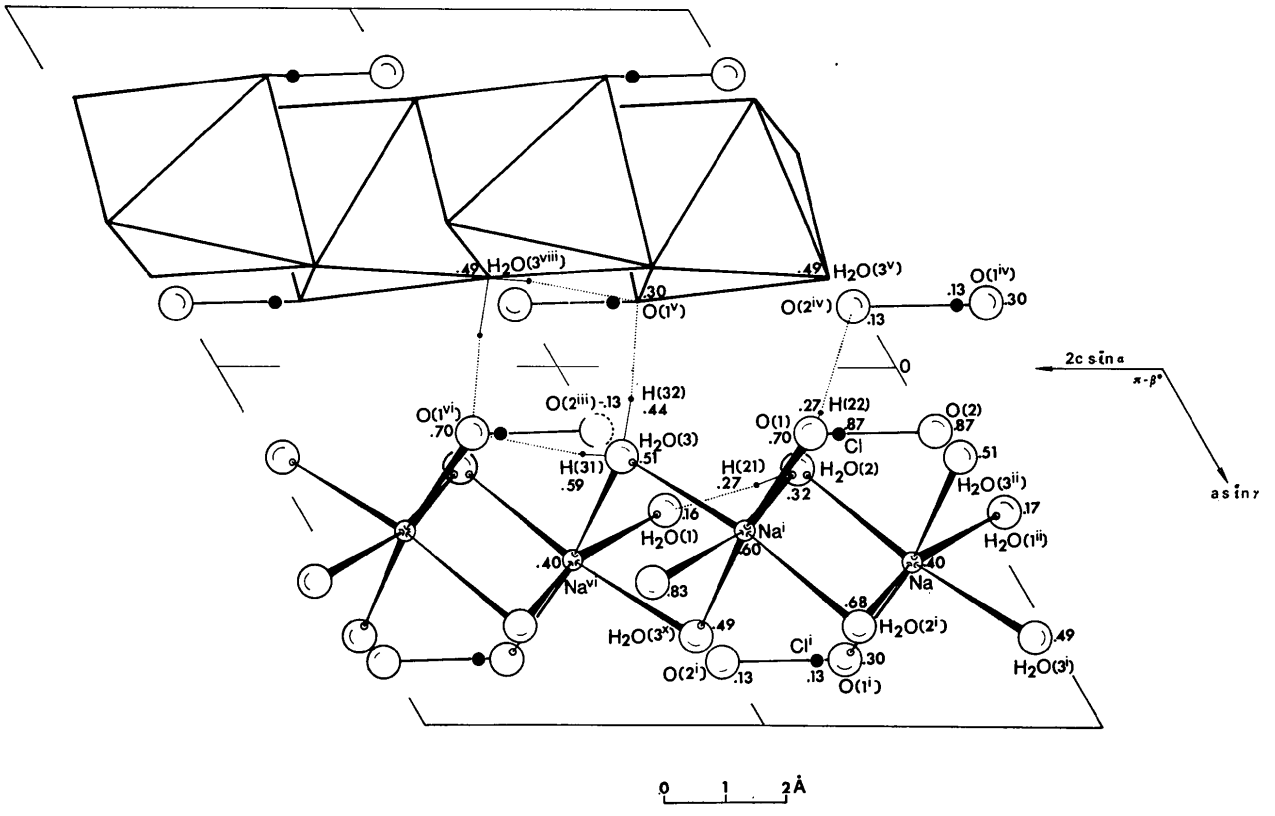

Fig. 2. Four cells of the crystal structure projected along the *b* axis; the figures quote the *y*/*b* coordinates of the relevant atoms. Only the hydrogen bonds around $H_2O(2)$ and $H_2O(3)$ are shown.

thirteen main rows of the reciprocal lattice in the range $\theta = 2°$–$65°$, the use of monochromatized Cu $K\alpha$ radiation and the zero correction of the 2θ-circle scale. Table 1 shows that the redetermined values fall between those of Tarimci *et al.* and our original values (Tazzoli *et al.*, 1975); therefore the bond lengths and angles given in the corresponding articles are essentially unaffected.

References

TARIMCI, Ç., SCHEMPP, E. & CHANG, S. C. (1975). *Acta Cryst.* B31, 2146–2149.

TAZZOLI, V., RIGANTI, V., GIUSEPPETTI, G. & CODA, A. (1975). *Acta Cryst.* B31, 1032–1037.