Table 1. *Observed and calculated structure factors for* YCd_2

hkl	$\|F_o\|$	F_c	*hkl*	$\|F_o\|$	F_c
001	109	−100	$01\bar{2}$	15	14
002	177	173	$01\bar{3}$	44	37
003	52	−49	$12\bar{1}$	69	71
004	85	83	$12\bar{2}$	17	11
110	201	210	$12\bar{3}$	14	31
220	133	136	$12\bar{4}$	21	18
330	89	83	$23\bar{1}$	58	46
111	89	−81	$23\bar{3}$	21	22
221	51	−55	020	20	−10
331	39	−35	101	96	84
112	159	150	021	77	70
222	99	107	102	17	12
332	65	69	022	16	11
113	46	−44	103	29	32
223	37	−33	023	35	28
114	74	76	104	26	18
224	60	59	131	34	47
$11\bar{1}$	86	−82	132	17	8
011	130	130	133	26	21
012	30	−32	242	11	5
013	98	88	$10\bar{1}$	106	109
210	15	−11	$10\bar{2}$	25	−27
121	82	93	$10\bar{3}$	70	75
123	71	72	$10\bar{4}$	19	−22
124	19	−22	$02\bar{1}$	83	91
231	47	60	$02\bar{3}$	75	67
233	51	51	$24\bar{1}$	34	39
$01\bar{1}$	111	99	$24\bar{2}$	12	−11
			$13\bar{1}$	63	62

Table 2. *Interatomic distances for* YCd_2

Y–6Y	4·882 ± 1 Å	Cd–3Y	3·279 ± 3 Å
Y–2Y	3·501 ± 3	Cd–3Y	3·359 ± 3
Y–6Cd	3·279 ± 3	Cd–3Cd	2·823 ± 1
Y–6Cd	3·359 ± 3		

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The structure of the *M′*-phase of $YTaO_4$, a third fergusonite polymorph.

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(*Received* 1 *January* 1968).

A correction to *Acta Cryst.* (1967), **23**, 939.

An error in a computer program has caused erroneous values of the bond angles to be given in Table 3 of the article under the above title (Wolten, 1967). The numbers should read, in the order given, 133·8, 91·3, 116·6, 92·7, 96·3, 130·4. The distances of Table 3 are correct.

Reference

WOLTEN, G. M. (1967). *Acta Cryst.* **23**, 939.

Acta Cryst. (1968). B**24**, 463

Lattice parameters and space groups of some aromatic Schiff bases.

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(*Received* 27 *November* 1967)

Lattice parameters and space groups of some aromatic Schiff bases are recorded.

In the course of our structural investigations of Schiff bases, we have prepared the compounds listed in column 1 of Table 1. The compounds were obtained by heating a 1:1 mixture of the corresponding aniline and benzaldehyde to about 100 °C (with or without solvent). The solvent for recrystallization is indicated in column 2, Table 1.

Lattice parameters were derived from measurements on 30° precession photographs (Cu $K\alpha$, $\lambda = 1{\cdot}542$ Å). The standard deviations are approximately 0·2% of the values in columns 3–6, Table 1. The space groups (column 7, Table 1) are determined from systematic absences, in some cases backed by structural considerations. Measured densities, tabulated in column 9, were obtained by flotation in aqueous potassium iodide solutions.

Detailed structural investigations of I, X and XII are in progress.

Table 1. *Crystallographic data for some Schiff's bases*

	Compound	Solvent	*a* (Å)	*b* (Å)	*c* (Å)	*β* (*γ*)	Space group	*Z*	D_m	D_x	
I	Benzylideneaniline, $C_{13}H_{11}N$	Light petroleum	11·95	7·92	12·2	118°23′	$P2_1/c$	4	1·19	1·19	
II	*p*-Chlorobenzylideneaniline, $C_{13}H_{10}ClN$	–	28·3	11·4	7·4	94	*Cc* or *C*2/*c*	8	–	1·20	(*a*)
III	*p*-Chlorobenzylidene-*p*-chloroaniline, $C_{13}H_9Cl_2N$	–	24·3	6·8	7·4	90	*Pccn*	4	–	1·36	(*a*) (*c*)
IV	Benzylidene-*p*-bromoaniline, $C_{13}H_9BrN$	–	22·05	5·94	8·91	91 14	$P2_1$	4	1·54	1·48	(*b*)
V	*p*-Hydroxybenzylideneaniline, $C_{13}H_{11}NO$	Ether	20·05	10·8	9·46	90	*Pbca*	8	1·27	1·27	
VI	*p*-Hydroxybenzylidene-*p*-bromoaniline, $C_{13}H_{10}BrNO$	Ethyl acetate light petroleum	9·34	11·1	22·1	90	*Pbcn*	8	1·60	1·60	
VII	*p*-Nitrobenzylideneaniline, $C_{13}H_{10}N_2O_2$	Ether	14·6	10·81	18·4	128 53	$P2_1/c$	8	1·27	1·37	
VIII	*p*-Nitrobenzylidene-*p*-nitroaniline, $C_{13}H_9N_3O_4$	Glacial acetic acid	16·2	–	4·20	(120)	$P\bar{6}$	3	1·30	1·25	(*d*)
IX	*p*-Nitrobenzylidene-*p*-methylaniline, $C_{14}H_{12}N_2O_2$	Ethanol	7·03	11·7	7·47	99 04	*Pc*	2	1·27	1·31	(*e*)
X	*p*-Methylbenzylidene-*p*-nitroaniline, $C_{14}H_{12}N_2O_2$	Aqueous ethyl acetate	27·6	6·12	14·2	90	*Pbca*	8	1·31	1·32	
XI	*p*-Methylbenzylidene-*p*-methylaniline, $C_{15}H_{15}N$	Ethanol	6·07	7·73	26·7	103 10	$P2_1/c$	4	1·13	1·14	
XII	Benzylidene-*p*-carboxyaniline, $C_{14}H_{11}NO_2$	(Sublimation)	6·66	30·84	7·603	133 37	$P2_1/c$	4	1·30	1·32	
XIII	*p*-Carboxybenzylideneaniline, $C_{14}H_{11}NO_2$	Aqueous ethanol	21·8	7·517	28·4	96 25	*Cc* or *C*2/*c*	16	1·27	1·29	

(*a*) Measurements by H. Rosatzin.
(*b*) Measurements and preliminary structure analysis by K. Antennen.
(*c*) Disordered.
(*d*) Packing considerations would appear to favour $P\bar{6}$ over *P*6 and *P*6/*m*; all three require disorder.
(*e*) *P*2/*c* possible only if disordered.