

TABLE 8.²

Comparison between the experimental P values (P_{exp}) and pressures (P_{com})
computed from the barometric Equations (xv) and (xvi)

Reference No.	T_{exp} ($^{\circ}\text{C}$)	P_{exp} (kbar)	P_1 (kbar)	P_2 (kbar)	ΔP_1 ($P_{\text{exp}}-P_{\text{com}}$)	ΔP_2 ($P_{\text{exp}}-P_{\text{com}}$)	
This study	Exp run no.						
PB1	1093-2/1H	840	3	5.0	5.0	-2.0	-2.0
PB2	1093-12/1H	875	3	6.5	6.5	-3.5	-3.5
PB3	1093-17/1H	900	3	3.7	3.7	-0.7	-0.7
PB4	1093-34/1H	840	5	5.1	5.3	-0.1	-0.3
PB5	292-15/1H	875	5	6.7	6.5	-1.7	-1.5
PB6	292-34/1H	900	5	3.9	3.9	1.1	1.1
PB7	APD584/PC	875	7	5.1	5.3	1.9	1.7
PB8	APD554/PC	900	7	5.0	4.7	2.0	2.3
PB9	APD511/PC	925	10	9.4	9.3	0.6	0.7
PB10	APD588/PC	930	12.5	6.2	6.1	6.3	6.4
PB11	547/PC	950	15	11.1	10.6	3.9	4.4
PB12	571PCc	900	7	7.1	7.2	-0.1	-0.2
PB13	552/PCc	910	10	11.2	11.2	-1.2	-1.2
PB14	570/PCc	950	15	13.4	13.3	1.6	1.7
S1	T2-119A	650	1	1.6	1.9	-0.6	-0.9
S2	T2-124A	706	1	-0.2	0.0	1.2	1.0
S3	T2-45B	754	1	1.1	1.0	-0.1	0.0
S4	T2-R44	883	1	2.6	2.4	-1.6	-1.4
S5	T2-125A	701	3	2.1	2.4	0.9	0.6
S6	T2-44A	752	3	6.7	6.6	-3.7	-3.6
S7	T2-126A	698	5	6.1	6.3	-1.1	-1.3
EL1	900/1.0	900	10	10.0	9.9	0.0	0.1
EL2	800/1.0	800	10	8.3	8.4	1.7	1.6
EL3	800/1.2	800	12	13.2	13.2	-1.2	-1.2
EL4	750/1.0	750	10	10.2	10.3	-0.2	-0.3
EL5	700/0.8	700	8	9.2	9.5	-1.2	-1.5
EL6	700/1.0	700	10	6.2	6.5	3.8	3.5
SD1	B1	875	15	14.4	14.2	0.6	0.8
SD2	B3	925	15	15.7	15.2	-0.7	-0.2
CNW1	624A	825	10	10.1	10.0	-0.1	0.0
CNW2	323A	725	10	10.5	10.4	-0.5	-0.4
CNW3	321A	750	10	9.0	9.1	1.0	0.9
CNW4	305A	675	10	9.9	10.2	0.1	-0.2
CNW5	310A	700	10	10.5	10.7	-0.5	-0.7

TABLE 8.² (contd.)

Reference No.		T_{exp} ($^{\circ}\text{C}$)	P_{exp} (kbar)	P_1 (kbar)	P_2 (kbar)	ΔP_1 ($P_{\text{exp}}-P_{\text{com}}$)	ΔP_2 ($P_{\text{exp}}-P_{\text{com}}$)
This study	Exp run no.						
P1	R8A	650	8	8.0	7.8	0.0	0.2
P2	R5A	640	10	9.6	9.5	0.4	0.5
P3	R11	650	12	10.7	10.4	1.3	1.6
JR1	80	780	3.5	4.8	5.1	-1.3	-1.6
H1	PG-750	700	5.0	7.6	7.6	-2.6	-2.6
H2	1921-700	750	5.2	3.2	3.6	2.0	1.6
H3	1921-HM725	725	4.9	5.0	5.4	-0.1	-0.5
H4	1921-HM825	824	4.9	13.3	13.3	-8.4	-8.4

Note: P_1 and P_2 refer to the pressures estimated using Equation (xv) and Equation (xvi) respectively. ΔP_1 and ΔP_2 are the corresponding difference between the experimental and computed pressure values. For details see discussion in the text.

²MSA's deposit item 2.

TABLE 9.³

A comparison of P values in natural assemblage retrieved using the proposed barometers (P_{com}) with those recommended by the respective authors (P_{nat})

Reference		T_{nat}	P_{nat}	$P_1(\text{com})$	$P_2(\text{com})$	ΔP_1 ($P_{\text{nat}}-P_{\text{com}}$)	ΔP_2 ($P_{\text{nat}}-P_{\text{com}}$)
KS1	BP - 3A	600	9	9.0	9.5	0.0	-0.5
KS2	CD - 303N	565	7.9	6.8	7.3	1.1	0.6
KS3	VI - IU	565	7.5	9.3	9.8	-1.8	-2.3
KS4	N2	550	9.5	7.3	7.6	2.2	1.9
KS5	N1	550	9.5	8.5	8.8	1.0	0.7
S1	73 - 20A	535	5.5	5.7	6.2	-0.2	-0.7
S2	73 - 20C	535	5.5	5.4	5.7	0.1	-0.2
S3	73 - 30S	535	5.5	8.2	8.8	-2.7	-3.3
JNH1	4 - 1A	750	6	8.5	8.7	-2.5	-2.7
BD1	CL2H	820	8	8.5	8.6	-0.5	-0.6
KH1	SW 173/1	580	9.6	11.3	11.7	-1.7	-2.1
KH2	SW614	580	8.6	8.9	9.4	-0.3	-0.8
OJG1	MATRIX	775	8.5	9.0	8.9	-0.5	-0.4
WTWL1	121655	730	7	6.7	7.4	0.3	-0.4
E1	PW8605-11	730	9	10.7	10.7	-1.7	-1.7
ER1	2	500	2.5	0.7	1.6	1.8	0.9
ER2	6	500	2.5	6.7	7.6	-4.2	-5.1
ER3	7	500	2.5	2.5	3.5	0.0	-1.0
ER4	8	500	2.5	2.7	3.6	-0.2	-1.1
CAR1	GG-264.1	800	10	9.9	9.1	0.1	0.9
CAR2	GG-264.2	800	10	8.1	7.3	1.9	2.7
CAR3	GG-264.3	800	10	7.7	6.9	2.3	3.1
CAR4	GG-264.4	800	10	8.8	8.0	1.2	2.0
CAR5	GG-265.1	800	10	8.6	7.4	1.4	2.6
CAR6	GG-265.2	800	10	4.8	3.6	5.2	6.4
H1	618	750	7	6.6	7.3	0.4	-0.3
MBC1	C/182	680	6	4.2	5.0	1.8	1.0
HN1	263.2	620	8.5	6.4	6.7	2.1	1.8
HN2	294.1	650	11	7.2	7.4	3.8	3.6
HN3	296A.4	650	11	8.7	8.6	2.3	2.4
DU1	BR10-A	860	10	11.9	12.2	-1.9	-2.2
DU2	BR-10B	860	10	12.2	12.3	-2.2	-2.3
BO1	rim	738	6.9	4.8	5.3	2.1	1.6
BO2	core	738	6.9	4.3	4.8	2.6	2.1
VA1	99-86C	660	11.0	11.7	11.8	-0.7	-0.8

TABLE 9.³ (Contd.)

Reference		T_{nat}	P_{nat}	$P_{1 \text{ (com)}}$	$P_{2 \text{ (com)}}$	ΔP_1 ($P_{\text{nat}}-P_{\text{com}}$)	ΔP_2 ($P_{\text{nat}}-P_{\text{com}}$)
VA2	99-8C	670	12.0	10.1	10.1	1.9	1.9
M1	93/JM/3B	750	10.0	8.6	9.0	1.4	1.0
M2	93/JM/3D	750	10.0	10.8	11.2	-0.8	-1.2
M3	93/JM/3	750	10.0	10.4	10.7	-0.4	-0.7
TL1	A1	550	5	3.6	3.7	1.4	1.3
TL2	A2	450	5	4.2	4.8	0.8	0.2
L1	CP 183	550	3	4.6	5.7	-1.6	-2.7
L2	PML 37b	550	3	2.9	3.6	0.1	-0.6
L3	PML 255	550	3	1.6	2.3	1.4	0.7

Note: $P_{1 \text{ (com)}}$ and $P_{2 \text{ (com)}}$ refer to the pressures estimated using Equation (xv) and Equation (xvi) respectively. ΔP_1 and ΔP_2 are the corresponding difference between the experimental and computed pressure values Acronyms: KS, Kohn and Spear (1989, 1990); S, Spear (1982); JNH, Janardhan et al. (1982); BD, Baker and Droop (1983); KH, Konzett and Hoinkes (1996); OJG, O'Beirne-Ryan et al. (1990); WTWL, Weaver et al. (1982); E, Encarnacion et al. (1995); ER, Erdmer (1981); CAR, Carney et al. (1991); H, Harley (1988); MBC, Mukherjee et al. (1986); HN, Hansen (1992); DU, Dufour (1985); BO, Burton and O'Nions (1990); VA, Valley et al. (2003); M, Miller et al. (1997); TL, Thompson and LeClair (1987) ; and L, Labotka (1981, 1987).

³MSA's deposit item 3.