THE JOURNAL OF PHYSICAL CHEMISTRY A

Addition/Correction

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Correction to "Pressure-Induced Isostructural Metastable Phase Transition of Ammonium Nitrate"

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Mihindra Dunuwille has been added as an author. She corrected all necessary changes and confirmed their validity.

The paper contains the following errors to be corrected:

•Table 1: the sequence of space group should be: $Pm3m$, $P\bar{4}2_1m$, $Pnma$, $Pmmn$, and $Pccn$. The corrected table is given here. New references are added for phase V in ref 14 as noted below.

Table 1. Crystallographic Information for Phases I−V of AN

Phase	I	398 K ⟷	II	357 K ⟷	III	305 K ⟷	IV	255 K ⟷	V
Space group	$Pm3m$		$P\text{-}42_1m$		$Pnma$		$Pmmn$		$Pccn$
Crystal system	Disordered Cubic		Disordered Tetragonal		Disordered Orthorhombic		Ordered Orthorhombic		Ordered Orthorhombic
a (Å)	4.37		5.719		7.716		5.751		7.980
b	4.37		5.719		5.845		5.436		8.003
c	4.37		4.933		7.197		4.926		9.810
Z	1		2		4		2		8

•Figures 2, 4, 5, 7, 9, and 10: The vertical axes should be properly aligned, as presented in new figures given here.

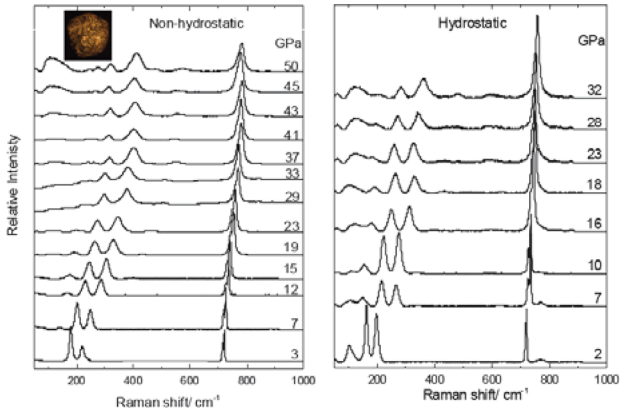

Figure 2. Raman spectrum of AN in (a) nonhydrostatic and (b) hydrostatic conditions as a function of pressure. Inset in (a) represents a visual image of AN loaded as a powder into a diamond anvil cell.

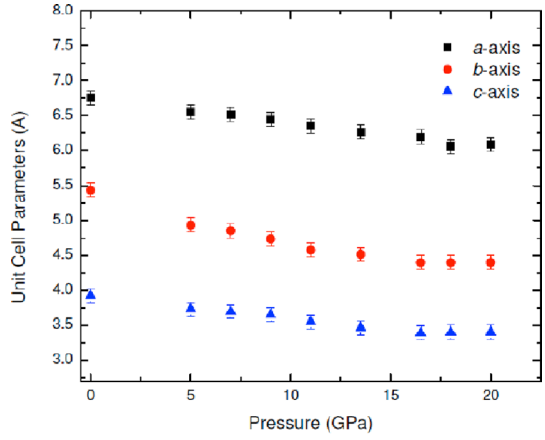

Figure 4. Lattice parameters of phase IV of AN under hydrostatic conditions (He) as a function of pressure.

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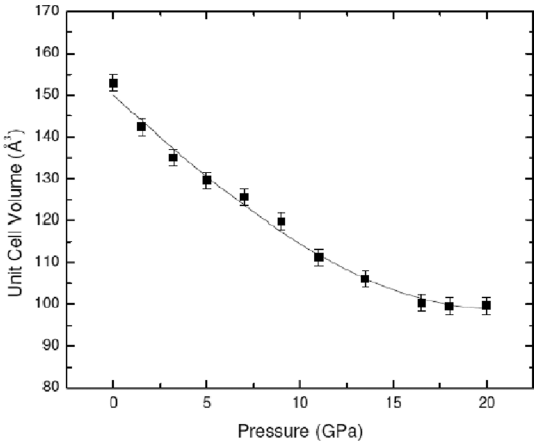

Figure 5. Pressure−volume compression curve of phase IV of AN determined under hydrostatic conditions using He as a pressure medium.

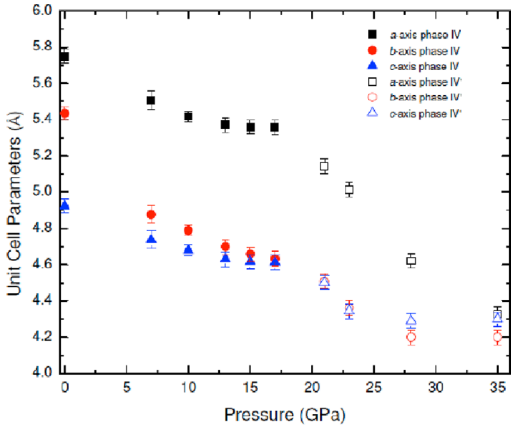

Figure 7. Evolution of lattice parameters of phase IV and IV′ with increasing pressure under nonhydrostatic conditions.

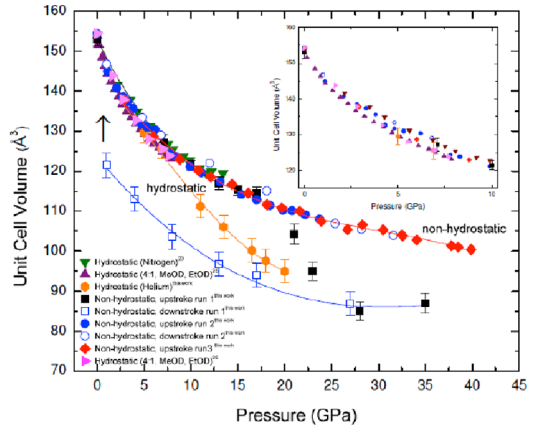

Figure 9. Pressure−volume relationship of AN under hydrostatic and nonhydrostatic conditions, plotted together with previous results from X-ray and neutron diffraction experiments.

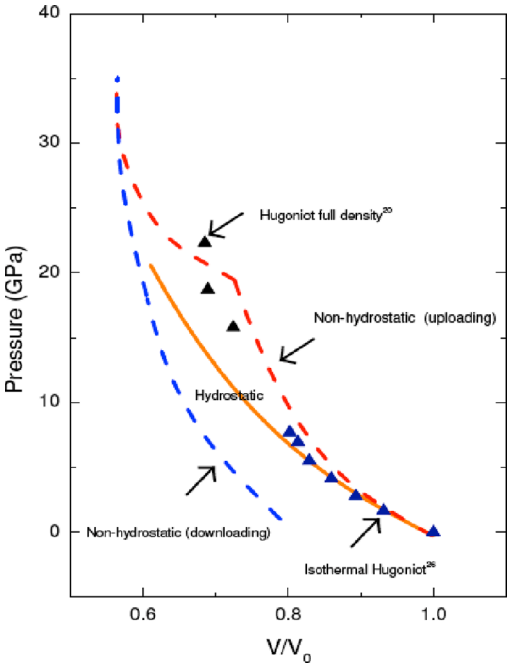

Figure 10. Isotherms of AN in comparison with the Hugoniot of shock-compressed AN powder, showing the similarity between the nonhydrostatic isotherm and the Hugoniot. Black triangles refer to previous shock Hugoniot; blue triangles to a previous isothermal Hugoniot.

●Page 11890, the second paragraph: "a further phase VI being" should be "a further phase VII being".

●Page 11890, at the end of the third paragraph: "low temperature phase V is noncentric tetragonal, crystallizing in space group $P4_2$. Phase II, the high temperature phase of AN, is also tetragonal ($P4/mbm$)" should be "low temperature phase V is orthorhombic, crystallizing in space group *Pccn*. Phase II, the high temperature phase of AN, is tetragonal ($\bar{P}42_1m$)".

●Page 11891, section 3.1, line 3: "A factor group analysis of phase VI" should be "A factor group analysis of phase IV".

●Reference 14 should be changed to more recent ones: Ahtee, M.; Smolander, K. J.; Lucas, B. W.; Hewat, A. W. *Acta Crystallogr., Sect. B* **1983**, *39*, 685−687. See also: Choi, S.; Prask, H. J. *Acta Crystallogr., Sect. B* **1983**, *39*, 414−420.

●Reference 17 should be changed to Carrick, M. T.; James, D. W. *Aust. J. Chem.* **1986**, *39*, 771−781.

●Reference 18 should include additional citations: Bridgman, P. W. *Proc. Natl. Acad. Sci.* **1915**, *1*, 513−516. Bridgman, P. W. *Proc. Natl. Acad. Sci.* **1916**, *51*, 581−625.

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