Table II. Wavenumbers and isothermal pressure derivatives $(d\nu/dP)_T$ of the high frequency Raman peaks in NH_4Cl and NH_4Br at 296 K

NH_4Cl		NH_4Br		
νcm^{-1} (1 atm)	$(d\nu/dP)_T$ $cm^{-1}kbar^{-1}$ Phase V	(1 atm)	$(d\nu/dP)_T$ $cm^{-1}kbar^{-1}$ Phase II	Assignment
1082	-2.0	1110	-1.5	$\nu_4 - \nu_6$
1335	-2.7	1354	-1.4	$\nu_4(TO) - \nu_7$
1404(a)	-0.20	1402(a)	-0.27'	$\nu_4(TO)(F_2)$
1430(a)	-0.52	1426(a)	-0.62	$\nu_4(LO)(F_2)$
1447(a)	[negative]	(1445)	[negative]	ν_4'
1710	+0.23	1690	+0.25	$\nu_2(E)$
1765	+1.5	1725	+0.47	$\nu_6 + \nu_4$
2008	+1.2	1959	+0.56	$\nu_2 + \nu_6$
2823	+0.76	2807	-0.25	$2\nu_4$
3048(a)		3036(a)	[negative]	$\nu_2 + \nu_4$
3055	[negative]	3055	[negative]	$\nu_1(A_1)$
(3100)(a)				
(3135)(a)		3075(a)		
3150(a)	-1.3	3135(a)	-0.37	$\nu_3(F_2)$
(3230)(a)		3199(a)		$\nu_1 + \nu_5(TO)$

(a) Frequencies which were calculated from fitting the Raman intensity to uncoupled damped oscillators.

( ) Values in parentheses have large uncertainty.