Reply to Comment on: Ab initio calculations of B₂ type RHg (R = Ce, Pr, Eu and Gd) intermetallic compounds

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Abstract. Dr. Salah Daoud pointed out the mistakes in formulae used for Debye temperature, sound velocities and suggested corrections. We duly acknowledge the corrections pointed out by Dr. Salah Daoud and also appreciate his focused study of our paper.

We have made all the necessary corrections to Table 3 and provide here the corrected version.

Table 3. Calculated density (ρ), longitudinal (v_l), transverse (v_t), average elastic wave velocities (v_m) and Debye temperature (θ_D) of RHg compounds at ambient pressure.

Solids (kg/m ³)	ρ (m/s)	v_l (m/s)	v_t (m/s)	v_m (K)	θ_D
CeHg	11151.16	3272.65	1999.538	2207.95	223.65
PrHg	11314.05	2518.65	1369.95	1528.26	155.43
EuHg	10978.07	2325.20	1233.30	1378.30	137.31
GdHg	12270.03	3054.11	1808.24	2002.89	206.05

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