Ionization energies error 9 0.11 H -0.0064 0.11 0.59 2.6 0.11 1.9 0.49 He - 2.7 0.82 0.82 6.1 2.8 4.3 5.4 3.4 Li -4.5 1.4 0.049 0.12 3.7 11 1.7 2.4 3.6 7.5 10 12 12 Be -6.8 11 8.8 6.3 8.7 8.7 4.7 12 11 8.3 11 5.7 B -3.4 1 C - 6.55.6 9.7 9.5 4.6 13 1.8 1.5 3.6 N -4.5 6 5.8 6.3 0.98 14 5.3 1.6 0.35 10 1.6 3 2.3 9.6 3.8 0 -4.4 5.5 F -3.7 2.1 2.7 4.6 9.7 2.7 2.3 4 5.4 System 4 Ne - 2.1 5.4 1.9 0.97 13 2.5 0.032 2.3 Na -5.1 2.1 0.94 0.39 4.9 10 0.13 2.6 4 5.8 6.4 8.7 1.6 1.3 0.64 Mg - 0.790.097 0.53 AI - 2.1 0.28 4.7 4.4 0.98 3.5 3.5 5 2.8 1.6 Si -1 0.34 3.8 3.8 3.6 4.6 0.92 P - 0.0110.42 3 3.1 4.3 3.5 3.1 2.3 0.79 S - 1.60.51 0.86 0.44 2.2 5.1 0.49 1.3 0.34 2 CI -0.021 0.31 1.2 8.0 0.038 4.8 1.3 0.27 Ar - 1.4 0.26 0.5 0.022 1.7 3.1 0.45 0.66 0.71 MAE -3.6 3.4 3.9 3.7 3.5 7.4 3.2 2.3 2.7 ppe r2scan am05 scan 90m mn15 **b97** sogga11

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error [kcal/mol]

abs.