Figure 8

Upper crust interpretation: (a) Geological cross-section. Black arrows = projected positions of boreholes SA-1/66 and KMG-1/67; yellow = Beaufort Group; pale pink = Ecca Group; orange = Dwyka Group; red dots = surface markers. South dipping listric faults or thrusts in the crust match faults on surface (red dots). (b) Upper 12 km of seismic data from IyA-200501: integrated interpretation and migrated seismic image superimposed. The décollement within the Ecca Group lies at the top of the Whitehill- and Prince Albert Formations (dark pink layer, base of the Collingham Formation on Table 1). Blue hashed line v.s. 27° south dipping surface: discontinuity separating the flat-based Cape Supergroup from the north dipping mid-crust below (red and black lines).