Figure 6: Timing sequence for dual-species evaporation in the bichromatic optical dipole trap (BODT).

Fig6.csv contains all of the data for Figure 6 (a-c).

Time is given in ms with t = 0 at the start of the dual-species evaporation sequence.

DB1 Power is the power in dimple beam 1 (1070 nm), given in W.

DB2 Power is the power in dimple beam 2 (1070 nm), given in W.

532 nm Power is the power in the 532 m beam given in W.

Yb trap depth z is the trap depth for the Yb atoms, calculated using a Gaussian beam simulator (measured beam powers and waists). Trap depth is given in uK.

Cs trap depth z is the trap depth for the Cs atoms, calculated using a Gaussian beam simulator (measured beam powers and waists). Trap depth is given in uK.

Geometric mean frequency is the geometric mean of the given x, y, z trap frequencies. Trap frequencies are also calculated from the dipole beam simulator and consistent with measured trap frequencies. Frequencies are given in Hz.