Narrowband red MOT spectroscopy for different transport bias coil currents Frequency offset from cavity (MHz) 1053.0 1054.0 1054.5 1055.0 1055.5 1053.5 1056.0 1056.5 1057.0 2A **1A** 8.0 0A -1A -2A Normalized horizontal pixel sum -3A 0.6 -4A 0.4 0.0 346.50 346.75 347.00 347.25 347.50 347.75 348.25 348.00 348.50

Red DPAOM frequency (MHz)