**FreqSet (Initialization Step):**

muquansSlave: set\_dds ddsq; set\_freq slave0 89.3e6; ext\_update

muquansAOM: set\_freq mphi 105.7e6; ext\_update

**FreqSweep (FreqRamp):**

muquansSlave: set\_dds ddsq; sweep\_to slave0 99.85e6 molassesRampTime; ext\_update

muquansAOM: sweep\_to mphi 65e6 molassesRampTime; ext\_update

(molassesRampTime in seconds)

**MOT Intensity Ramp(Intensity Ramp):**

Duration: molassesIntRampDelay

Function: 0.46/tan(0.406\*t\*5.5\*1000/molassesIntRampDelay+0.346)+0.742

(molassesIntRampDelay in milliseconds)

**Mphi Intensity Ramp:**

At FreqRamp Step:

X Value: 0,molassesRampTime

Y value: mphiCTRL,0.13

Interpolation: Piecewise Linear

From MotMaster2 seq (01/06/2018)