

CAPTAIN Report – FY15 Q3

1. Mini-CAPTAIN Engineering Run

Progress continues during the Mini-CAPTAIN engineering run. Improvements are continuing to be made on liquid argon purification in order to achieve the necessary ion drift length in the TPC. Recirculation has started using the condenser provided by UCLA. Figure 1 shows the condenser tower.



Figure 1: Mini-CAPTAIN liquid argon condenser tower to purify the argon gas and return the argon to the detector volume as liquid.