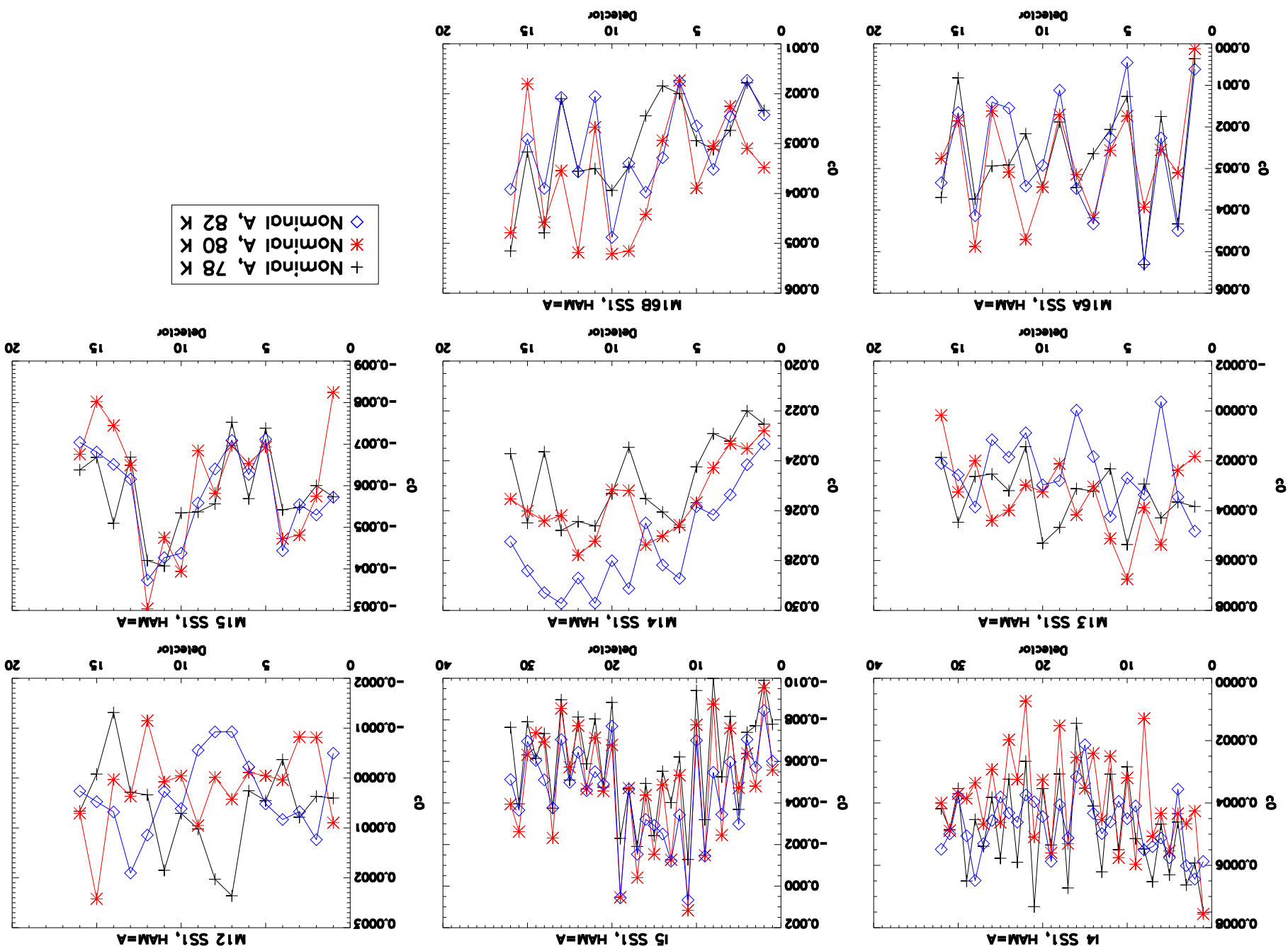
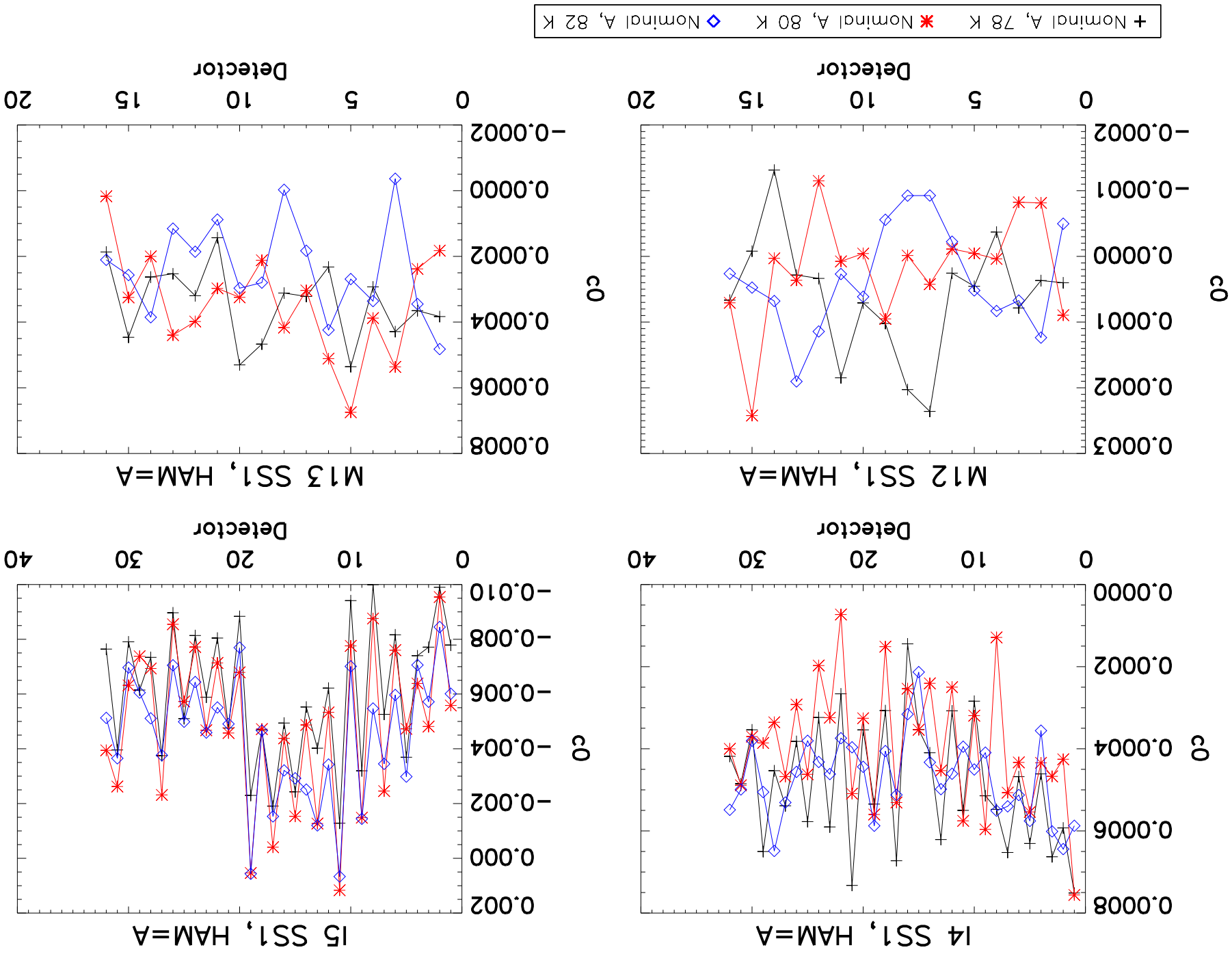


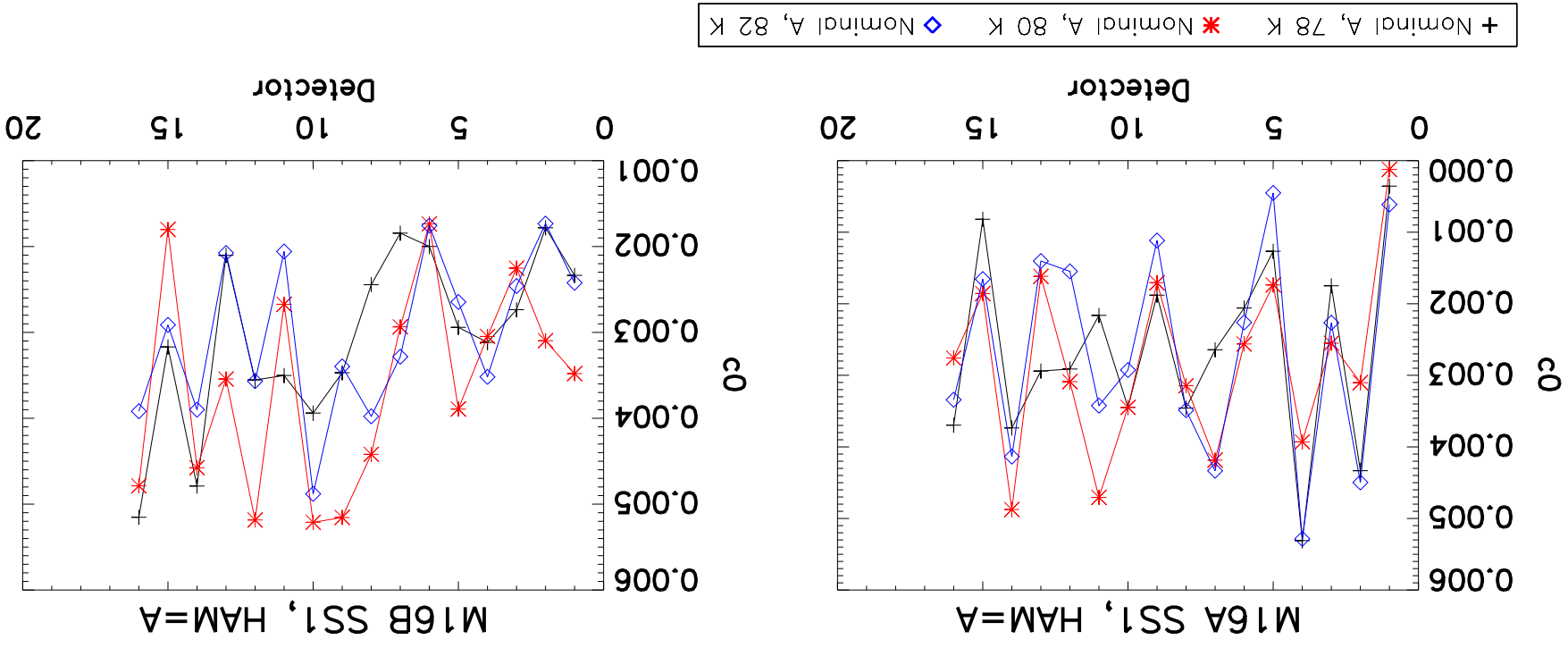
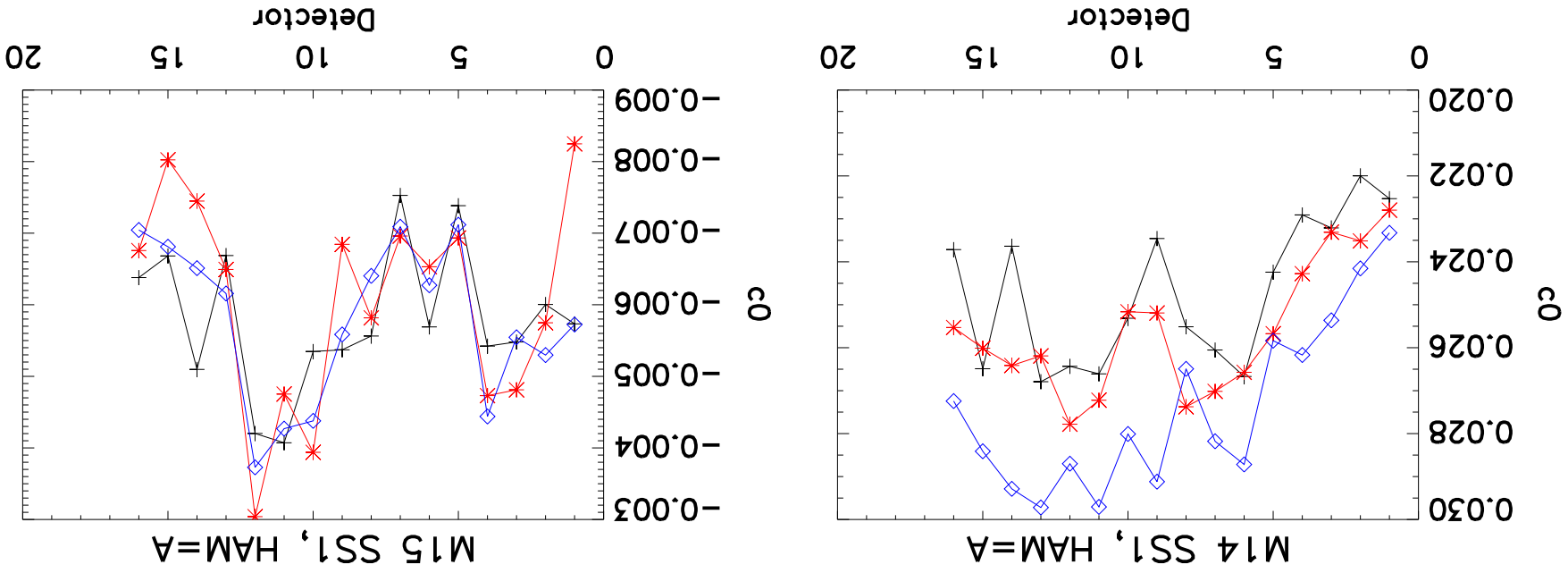
Detector Variation in CO



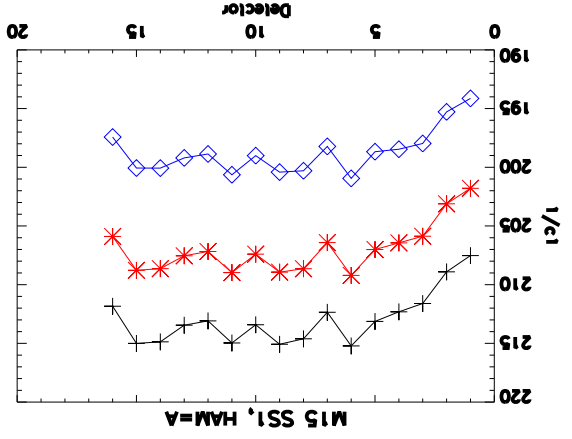
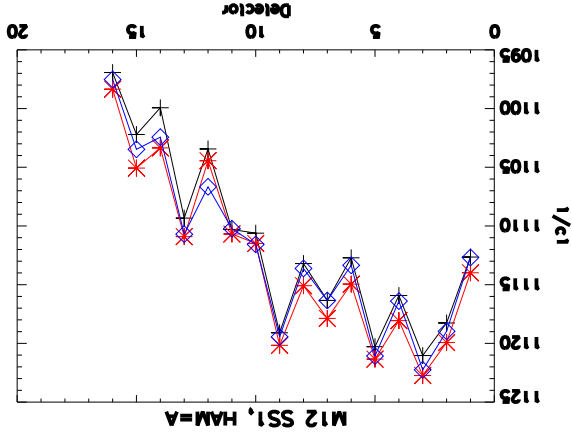
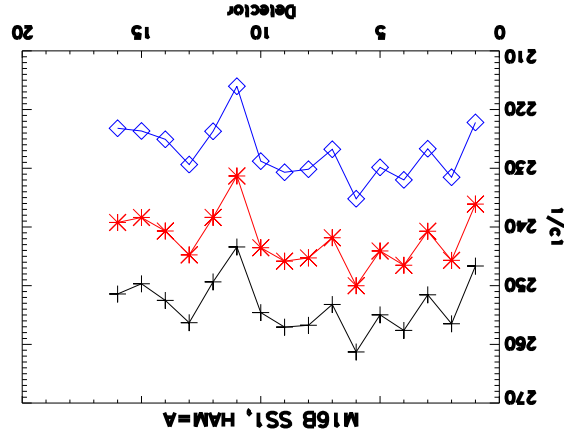
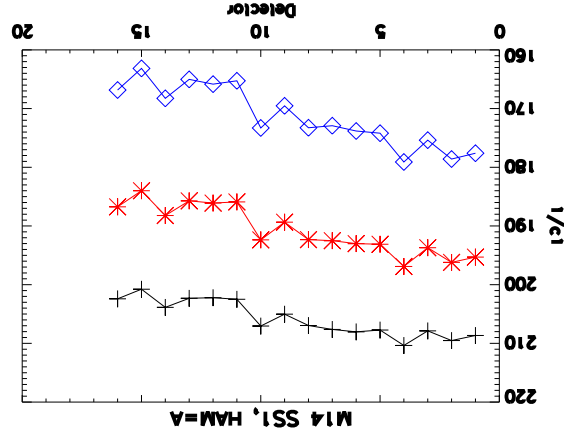
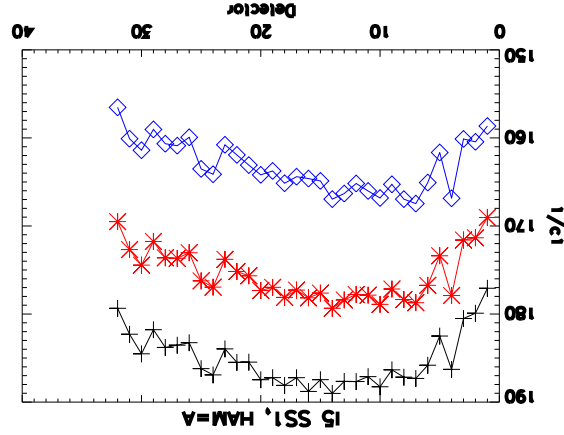
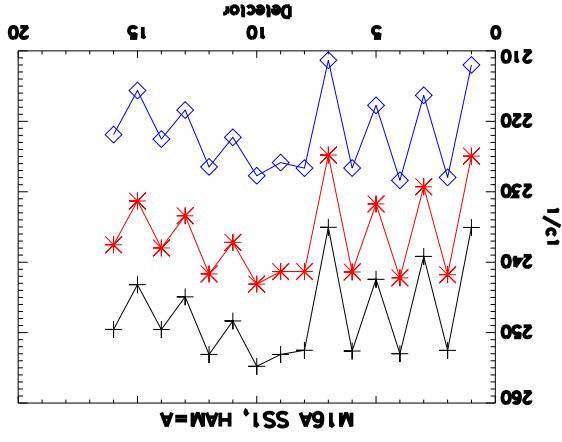
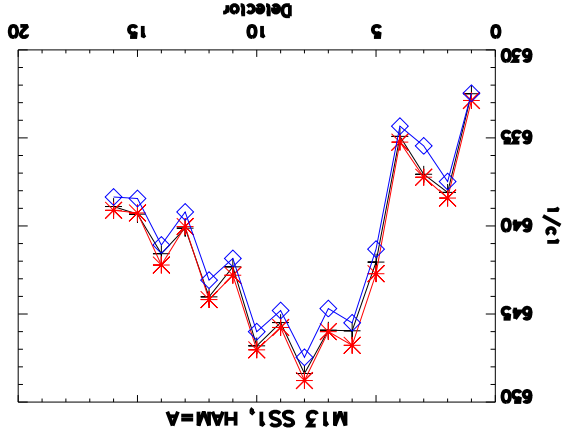
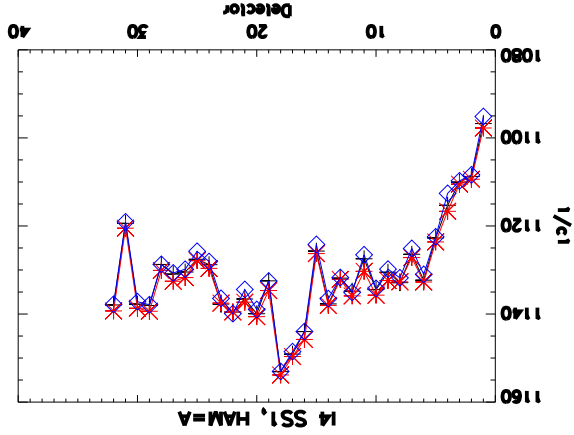
Detector Variation in c_0



Detector Variation in c_0

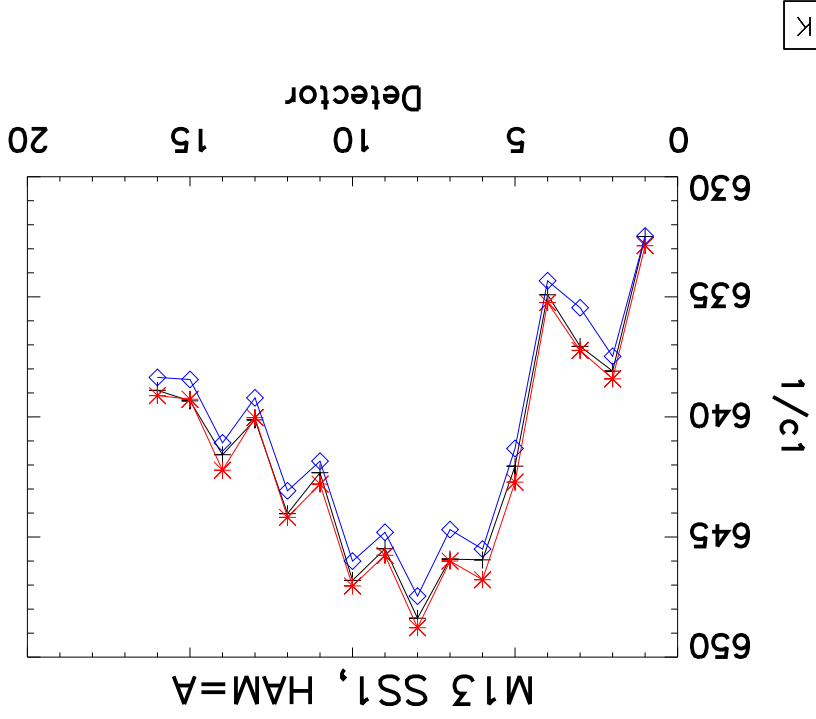
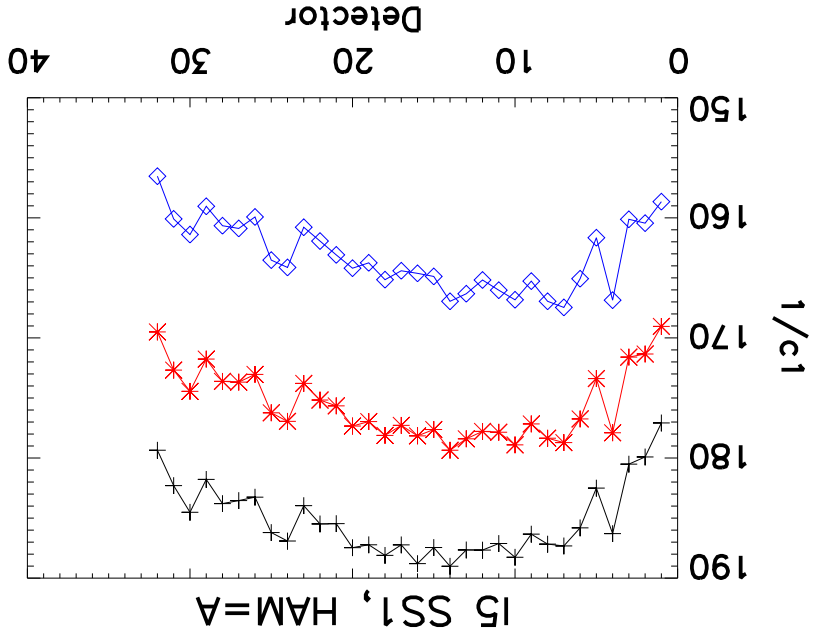
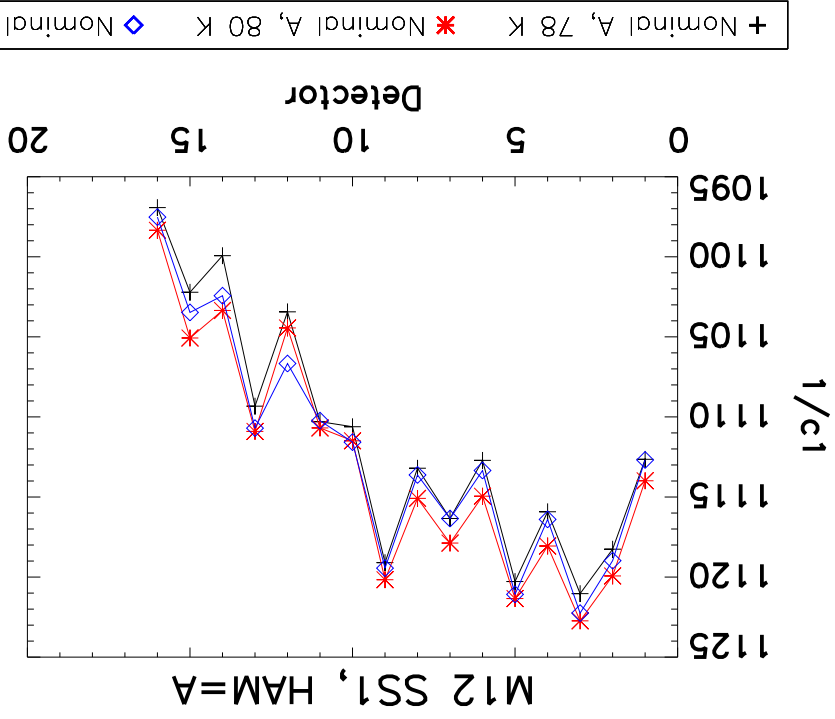
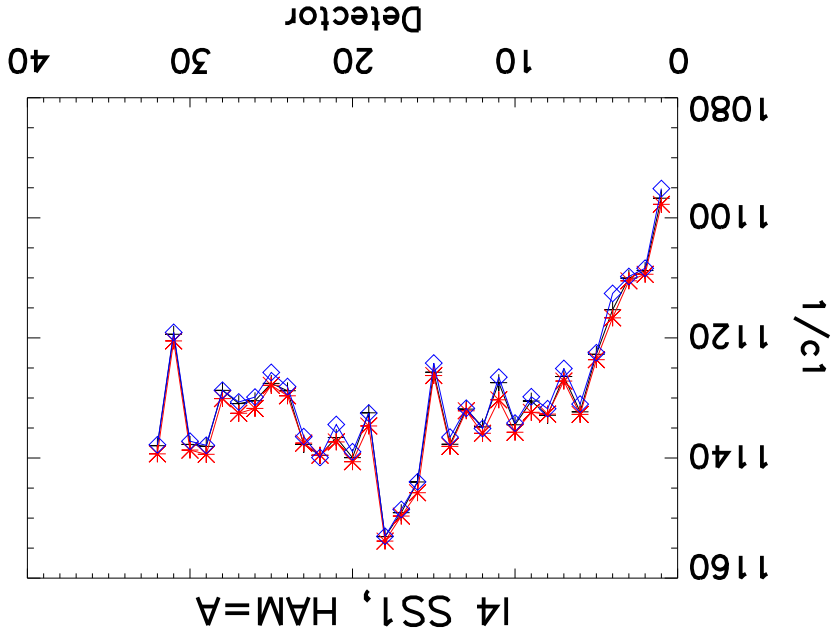


Detector Variation in 1/c1



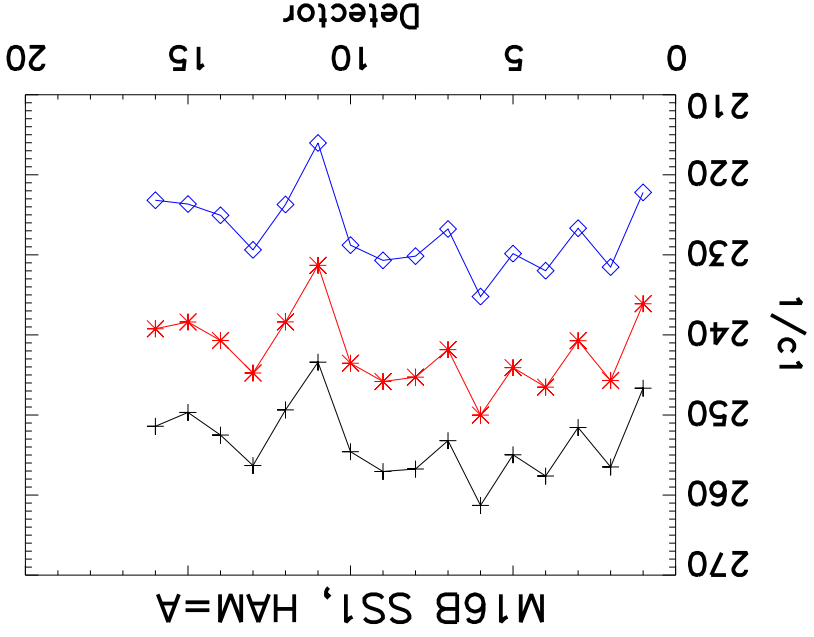
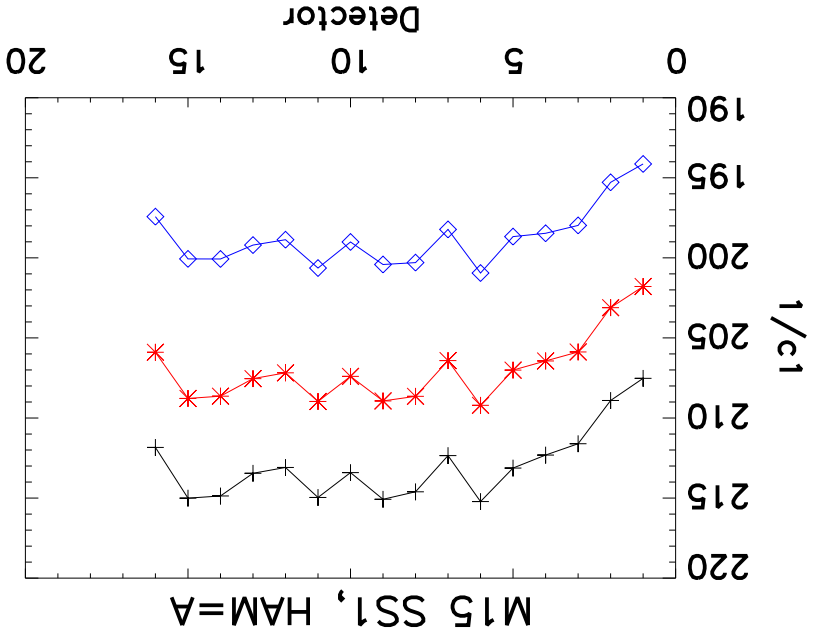
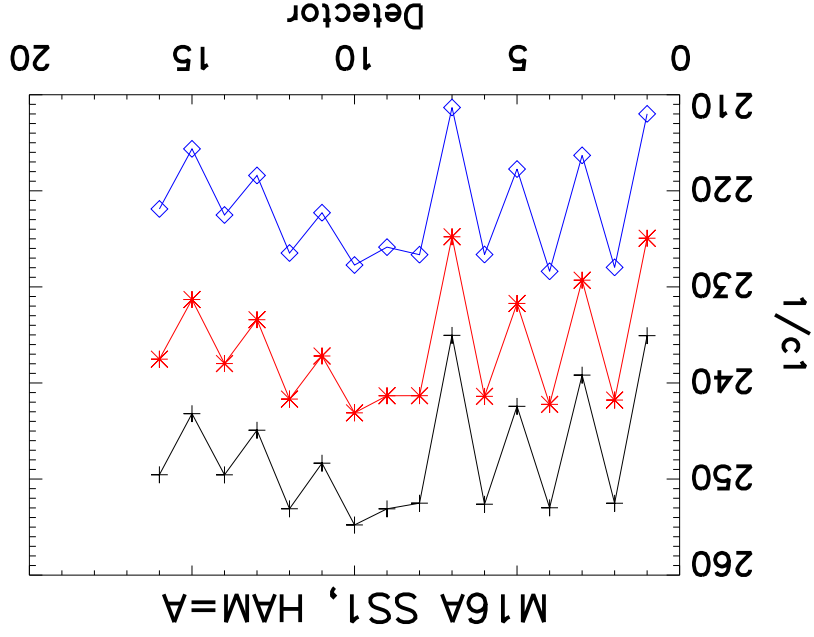
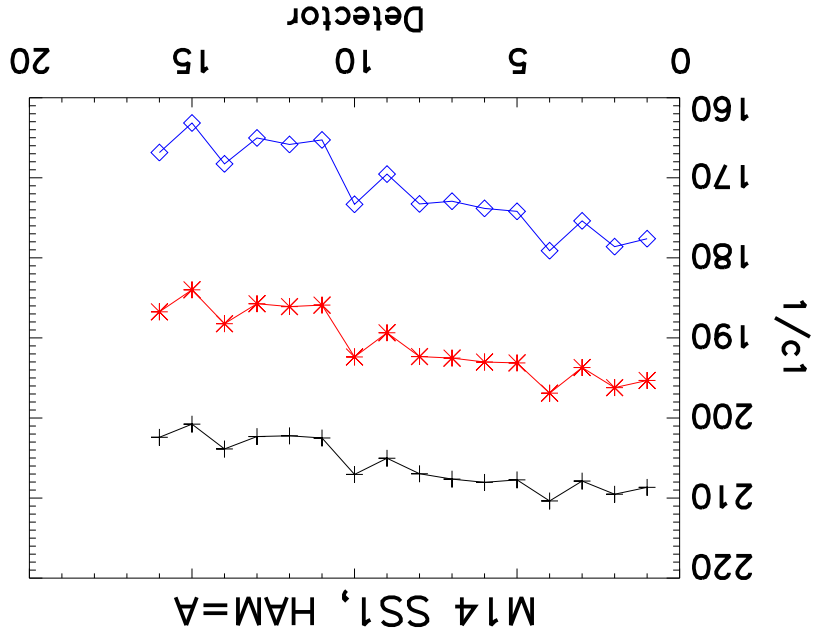
+ Nominal A, 78 K
 * Nominal A, 80 K
 ◇ Nominal A, 82 K

Detector Variation in $1/c_1$



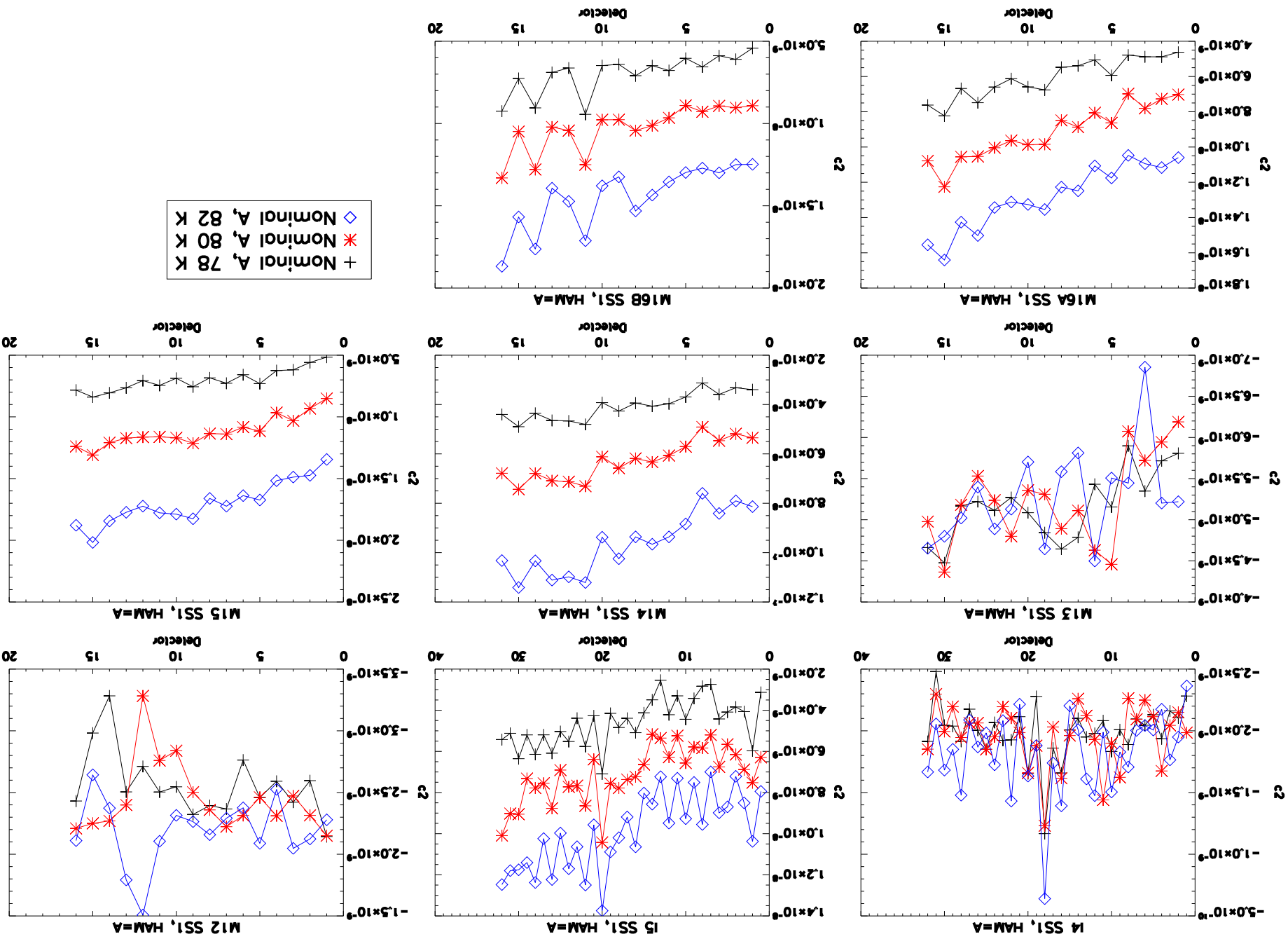
+ Nominal A, 78 K * Nominal A, 80 K ♦ Nominal A, 82 K

Detector Variation in $1/c_1$

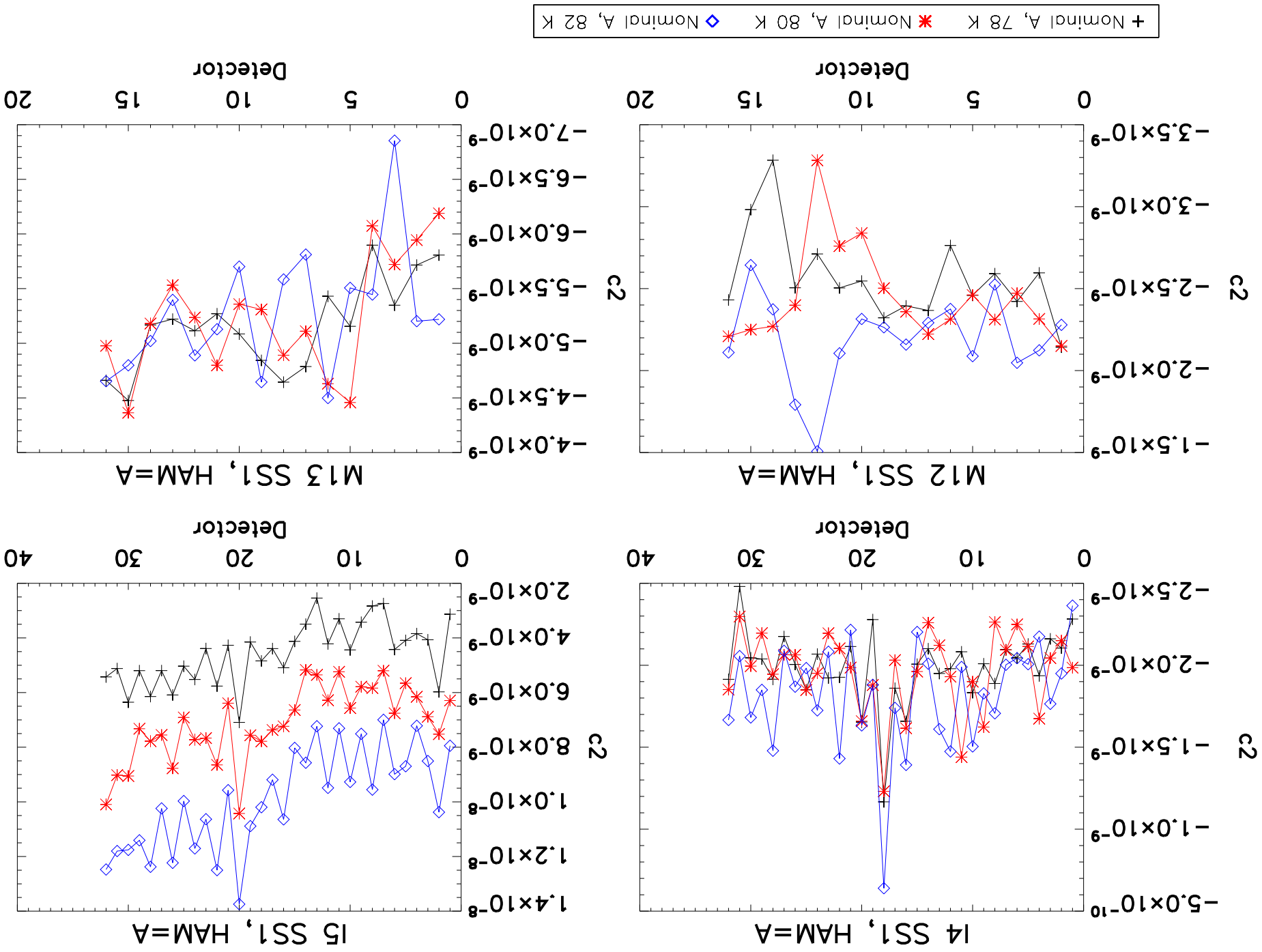


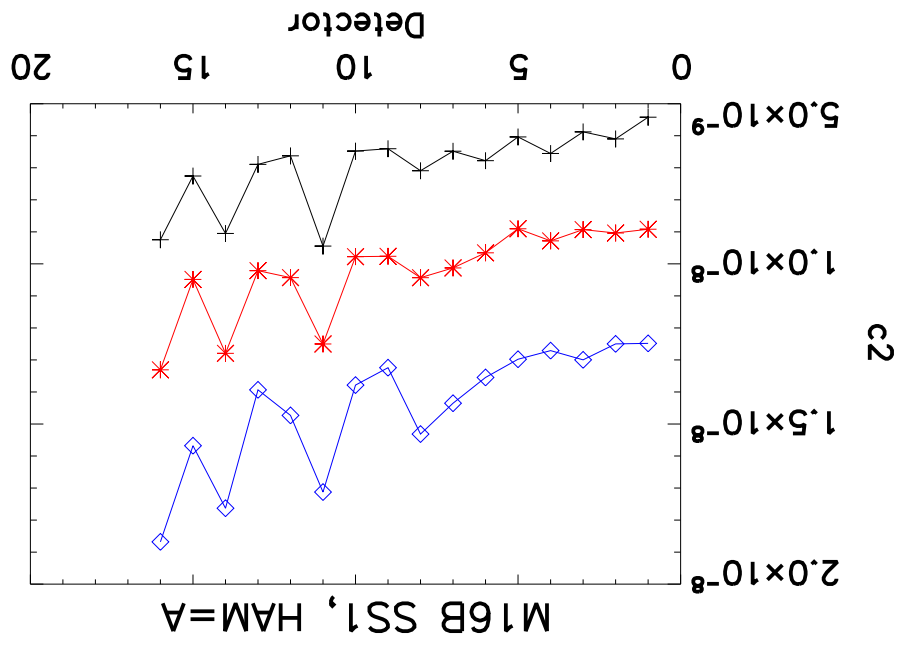
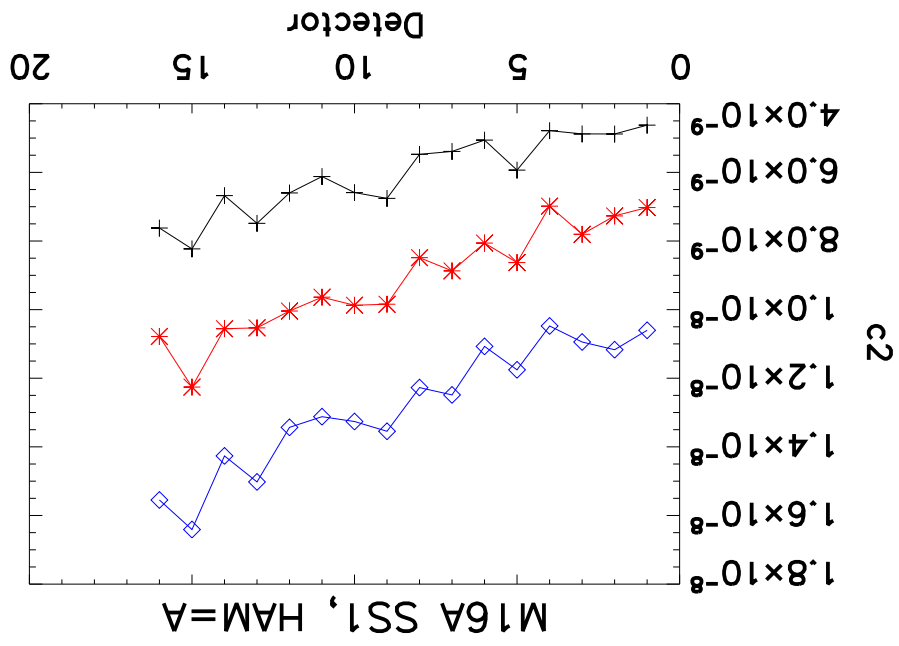
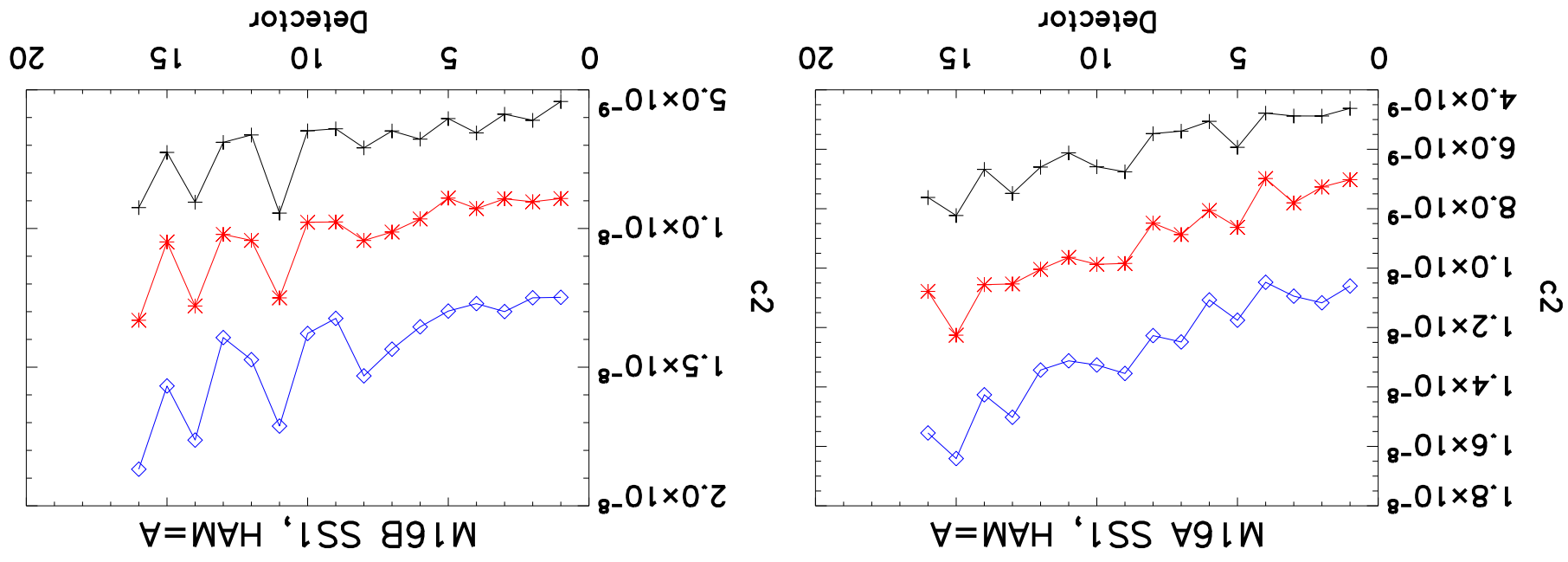
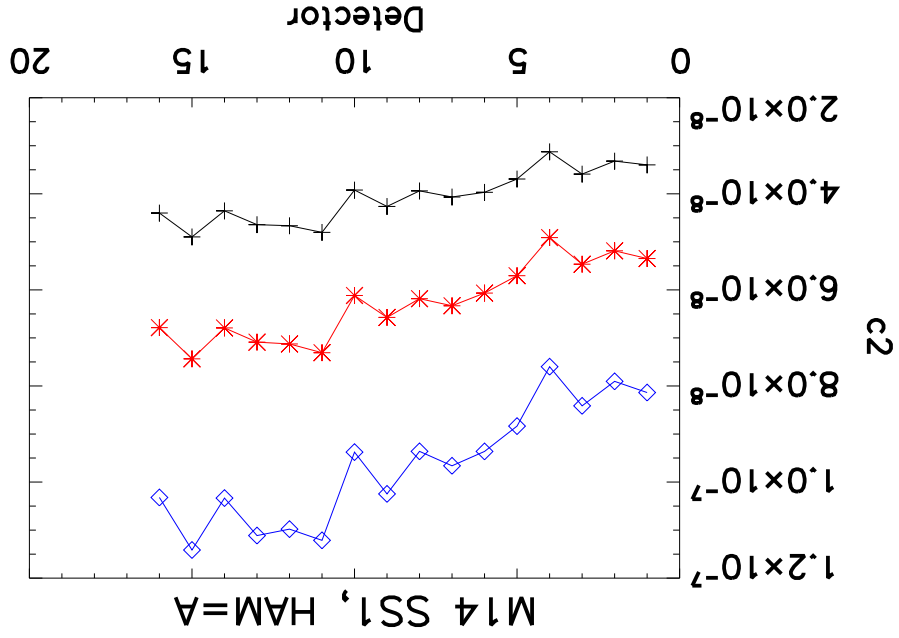
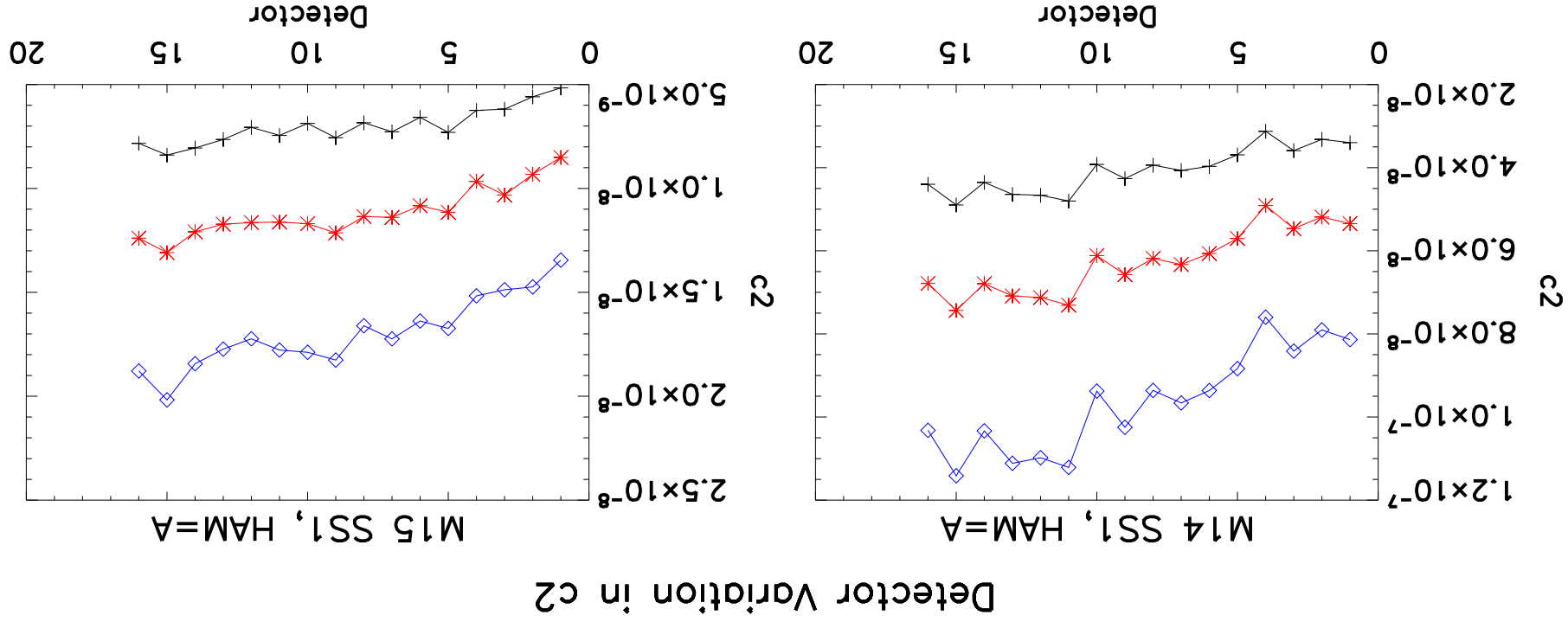
◆ Nominal A, 80 K
 ✱ Nominal A, 78 K
 + Nominal A, 82 K

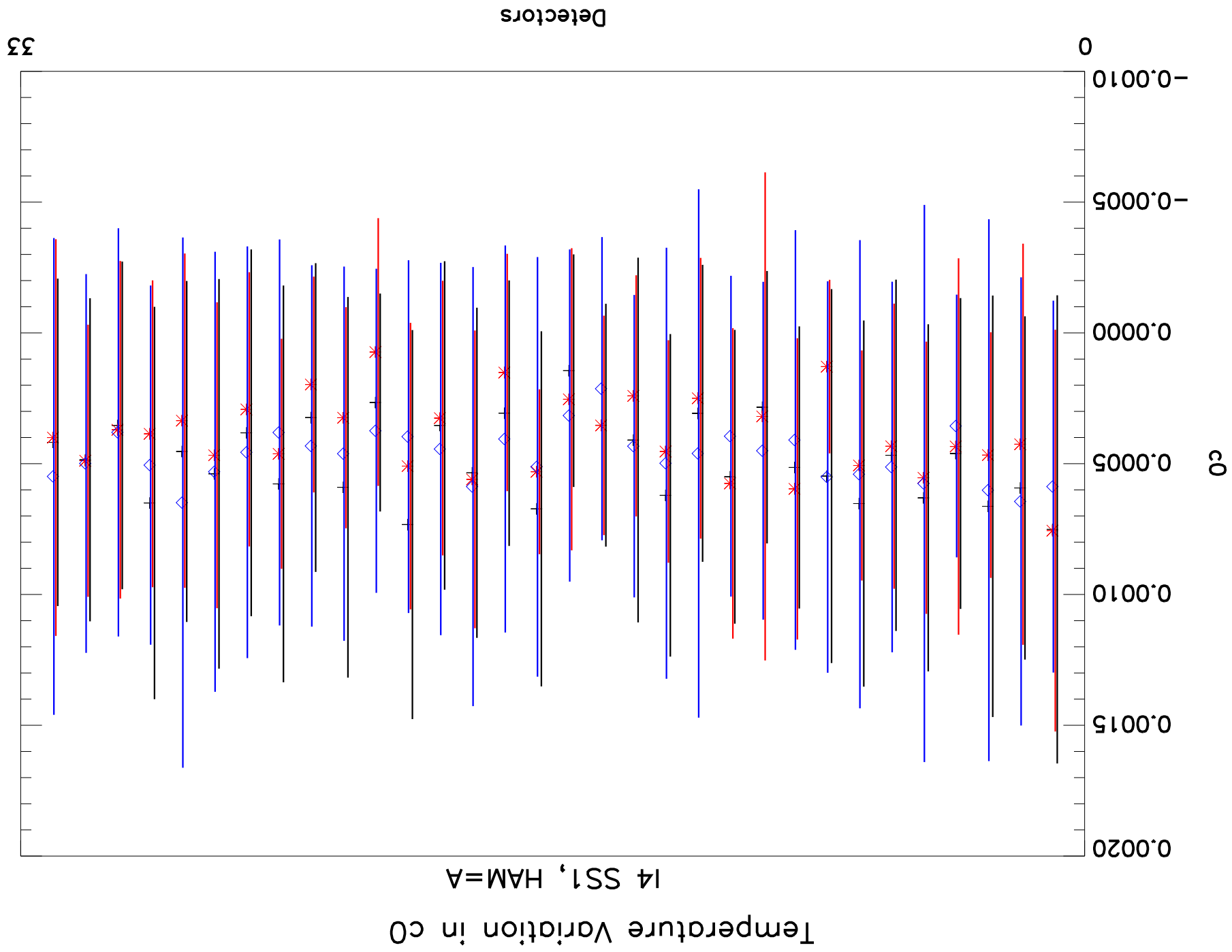
Detector Variation in c2

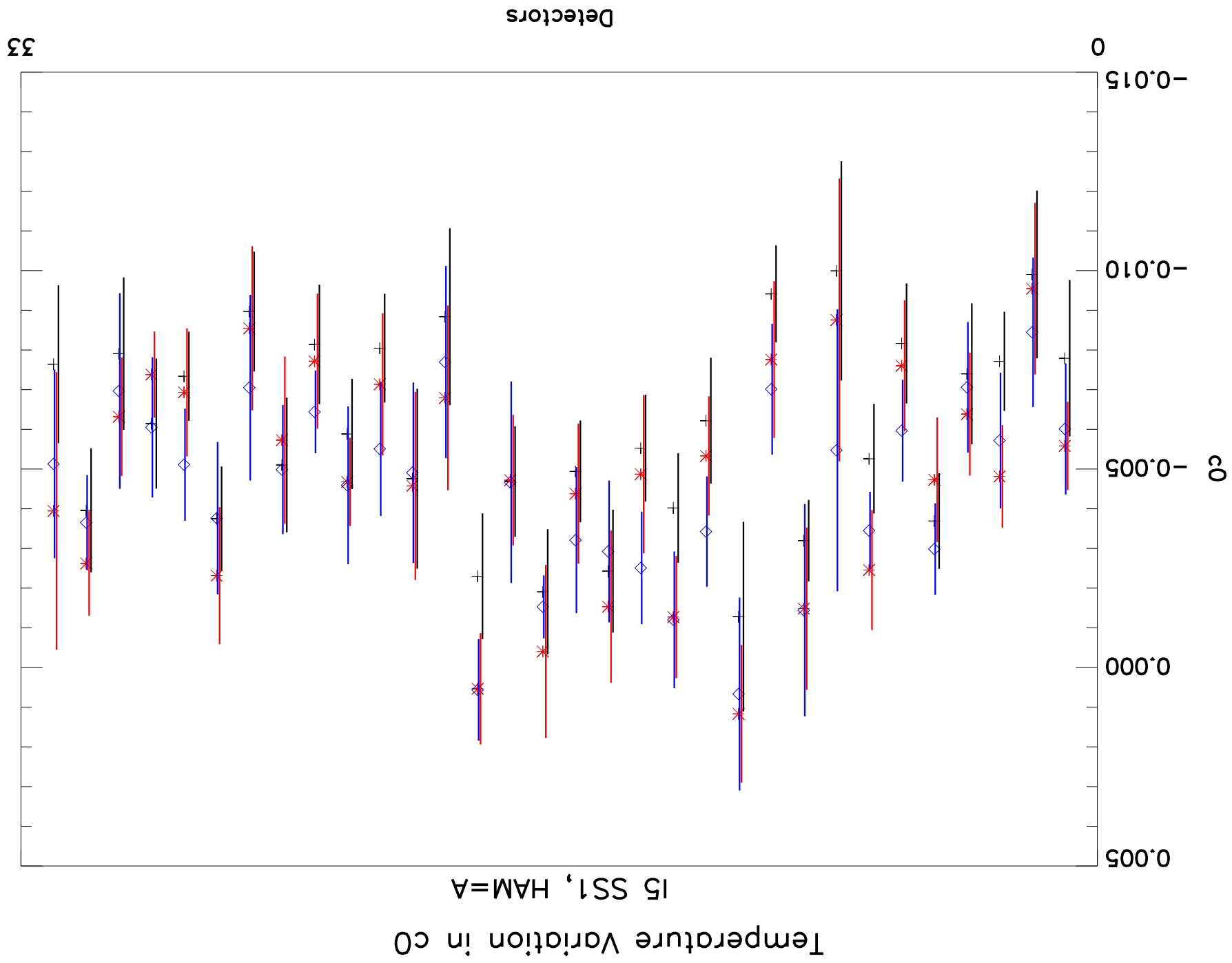


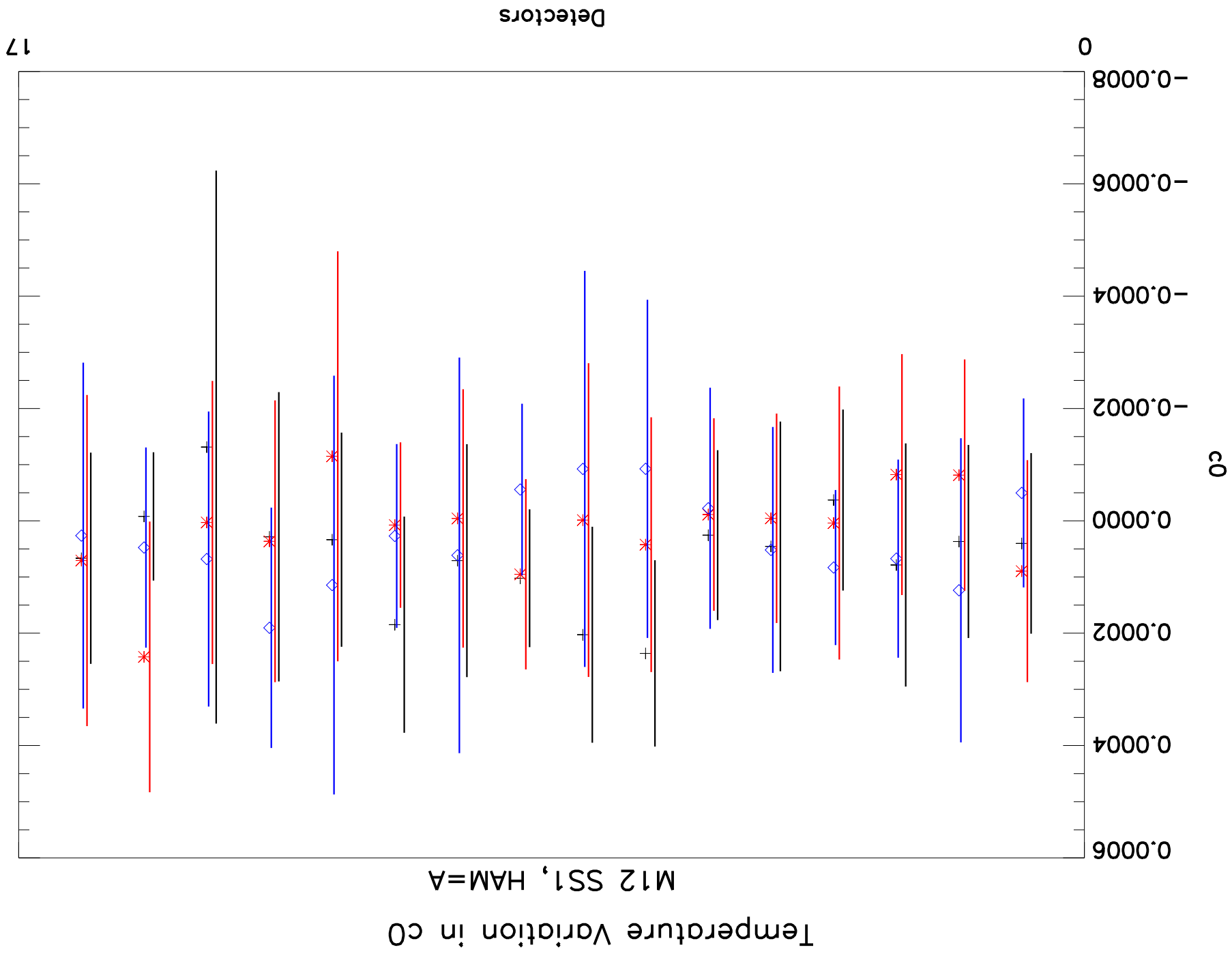
Detector Variation in c2

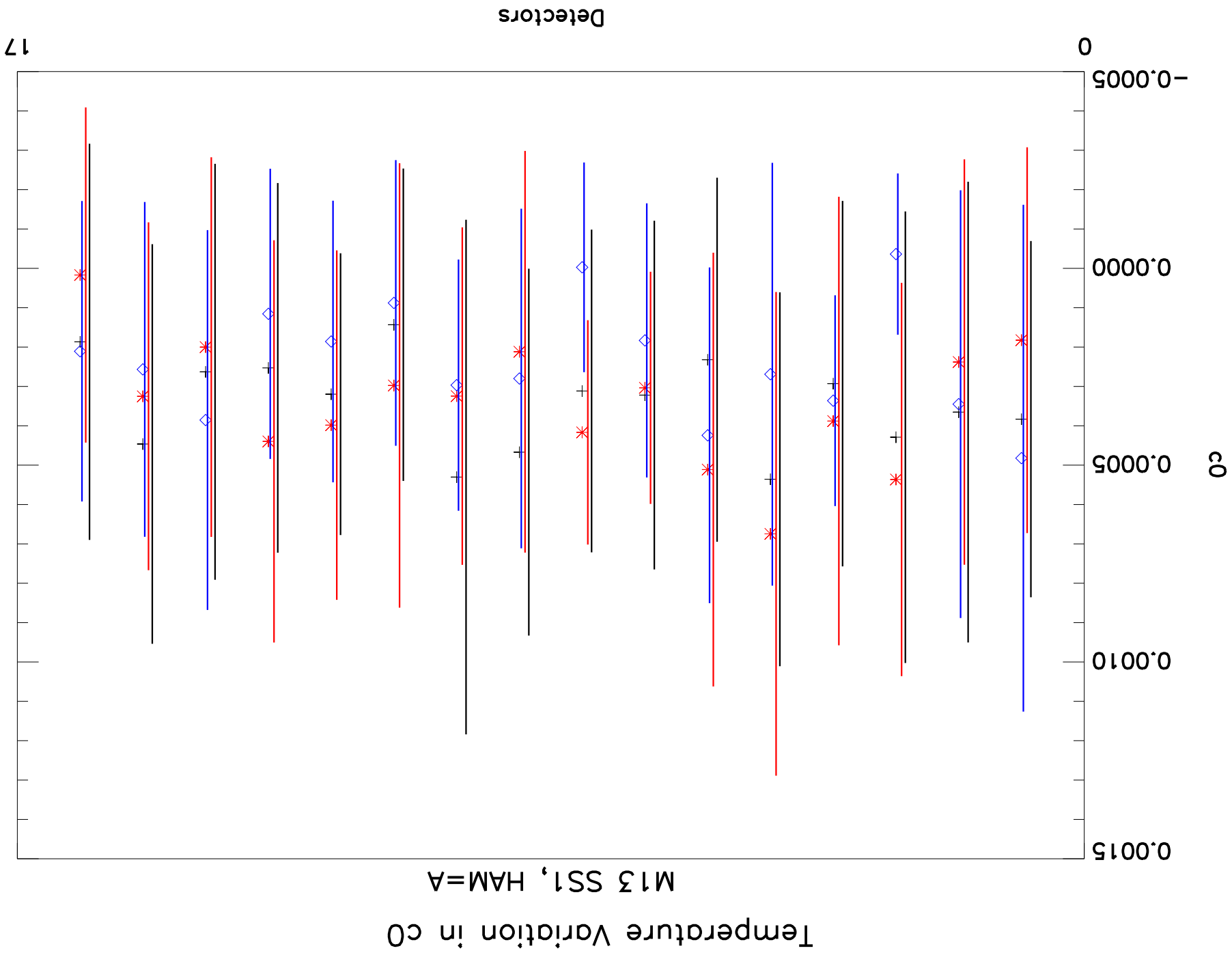


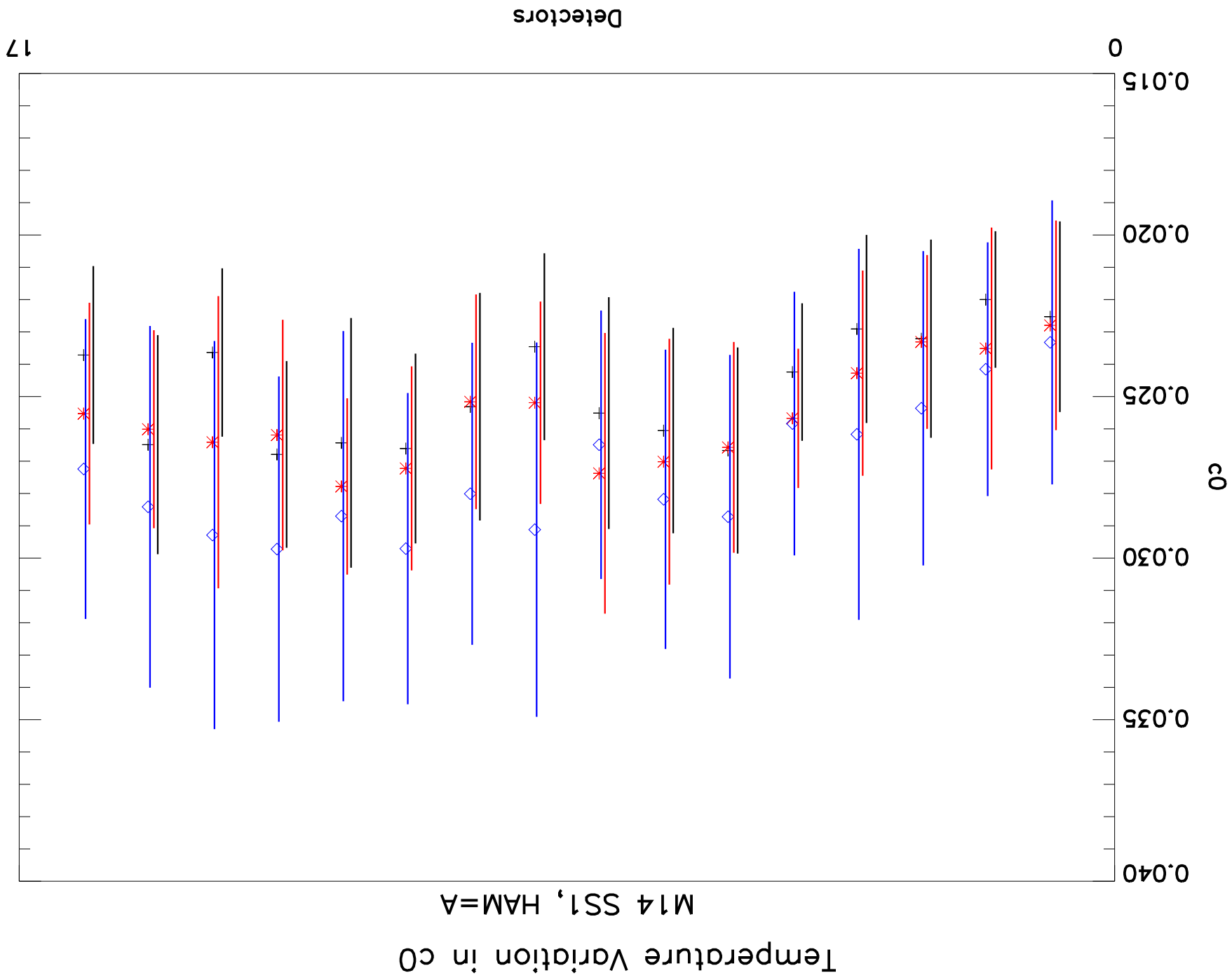


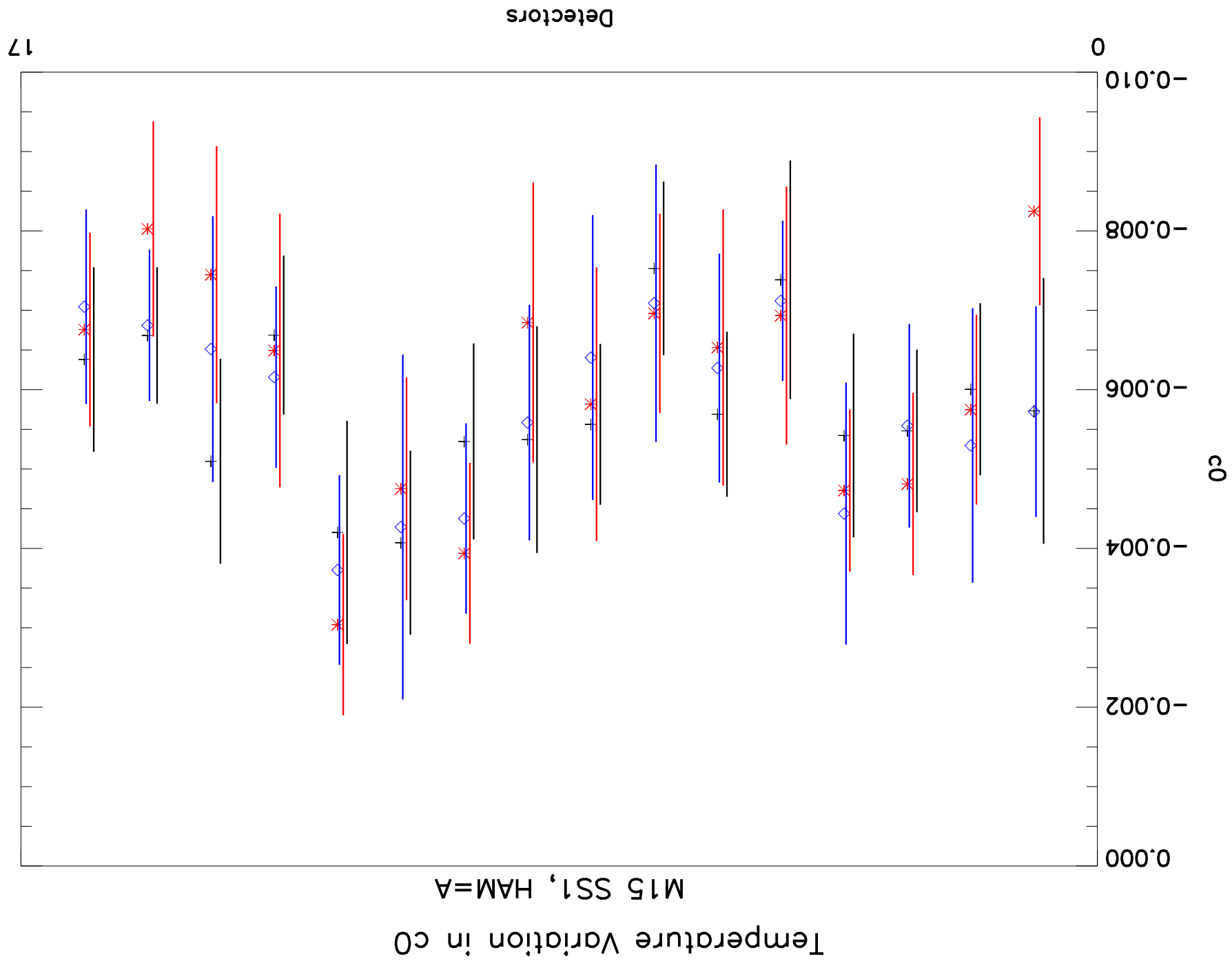


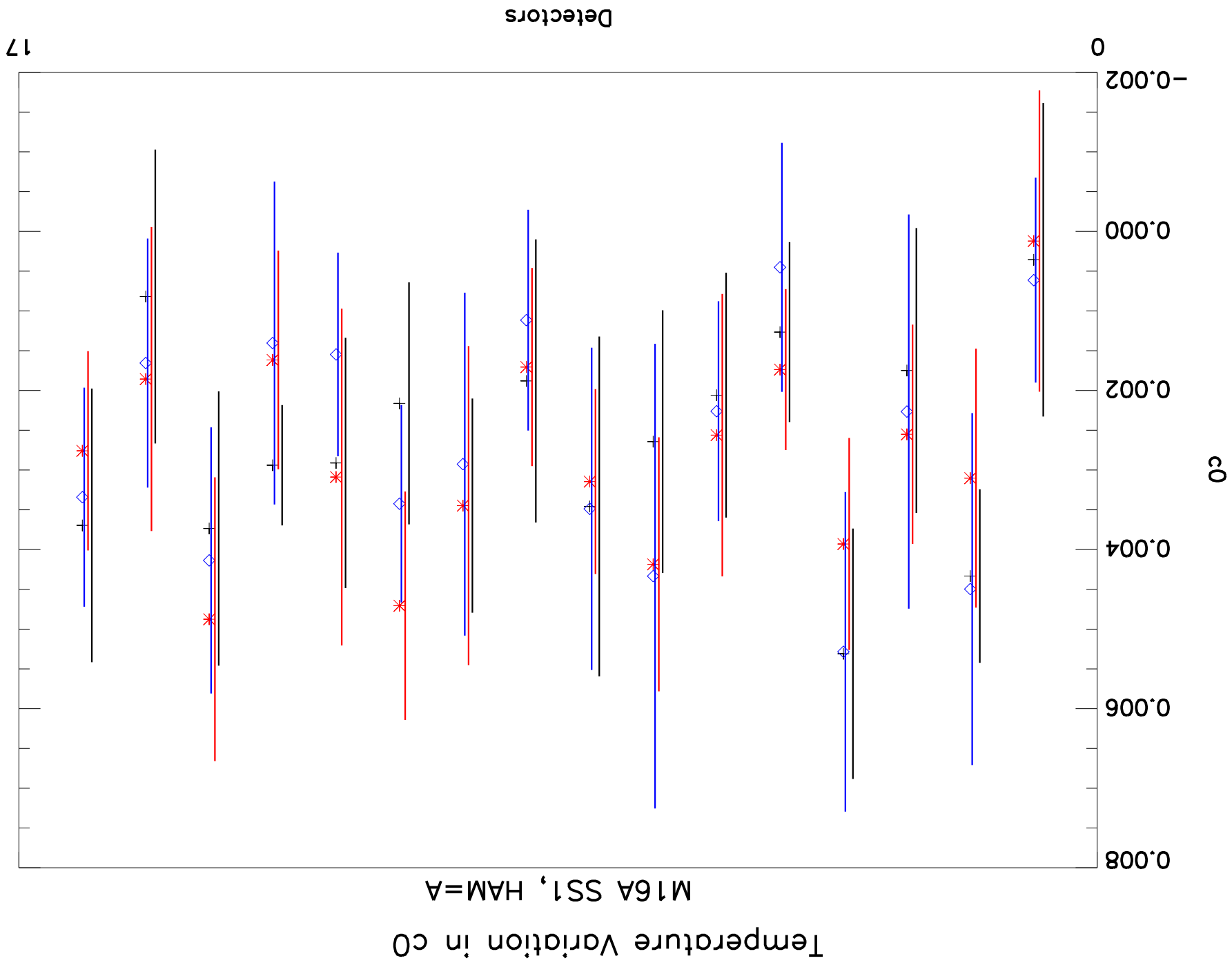












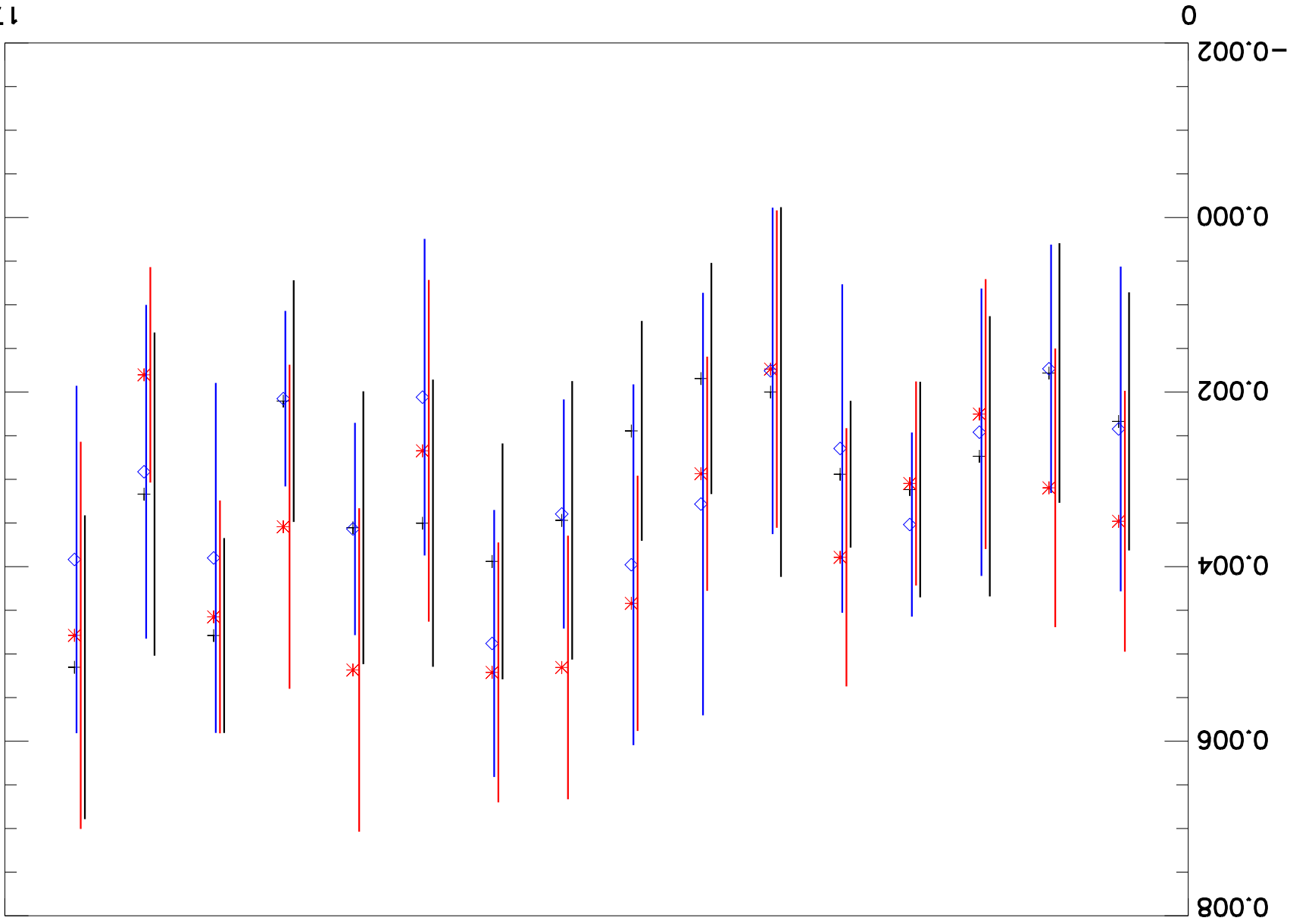
Temperature Variation in c0

M16B SS1, HAM=A

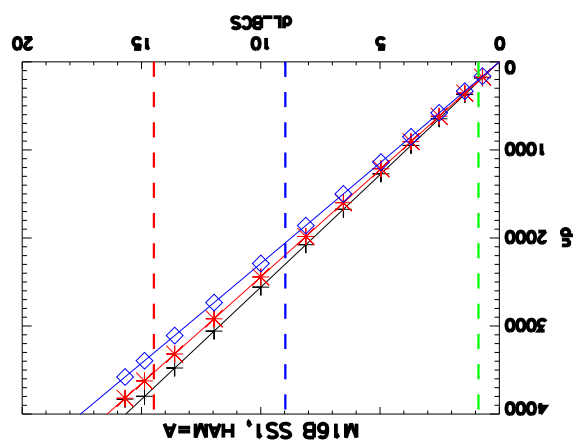
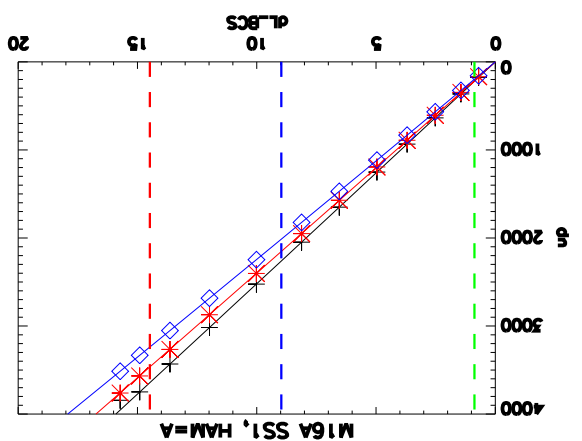
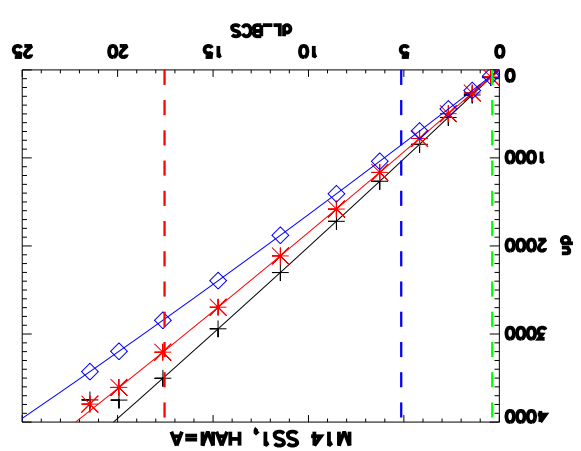
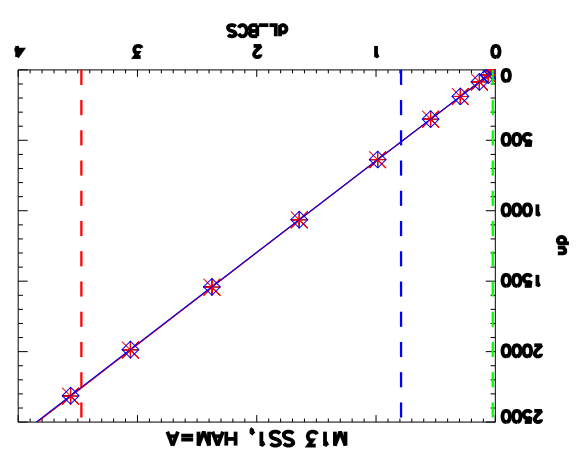
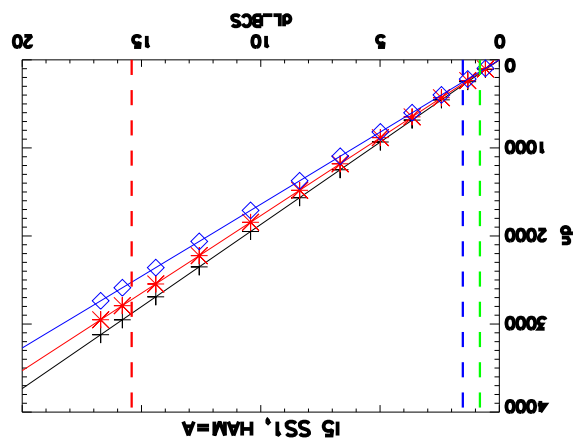
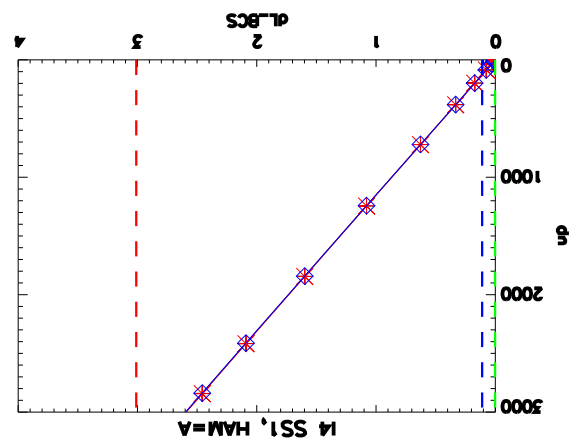
Detectors

17

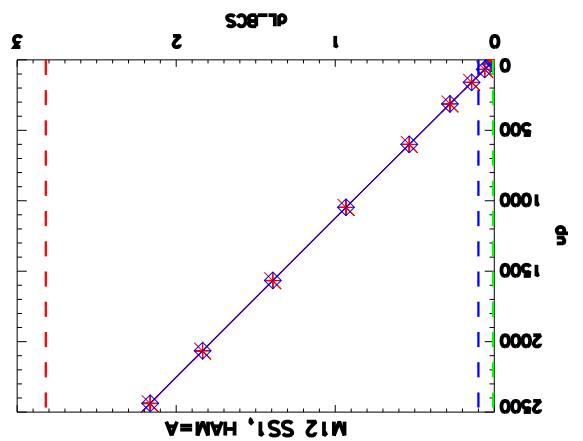
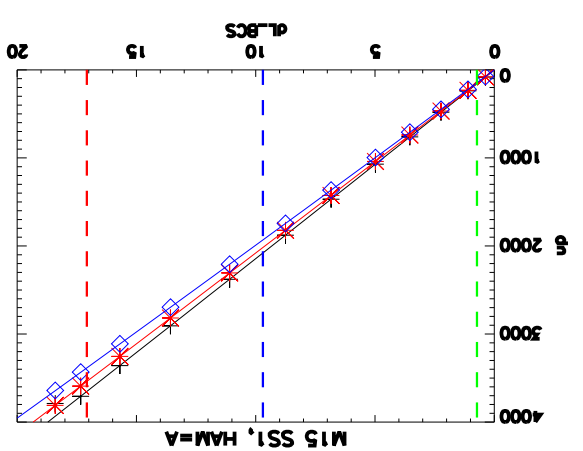
c0



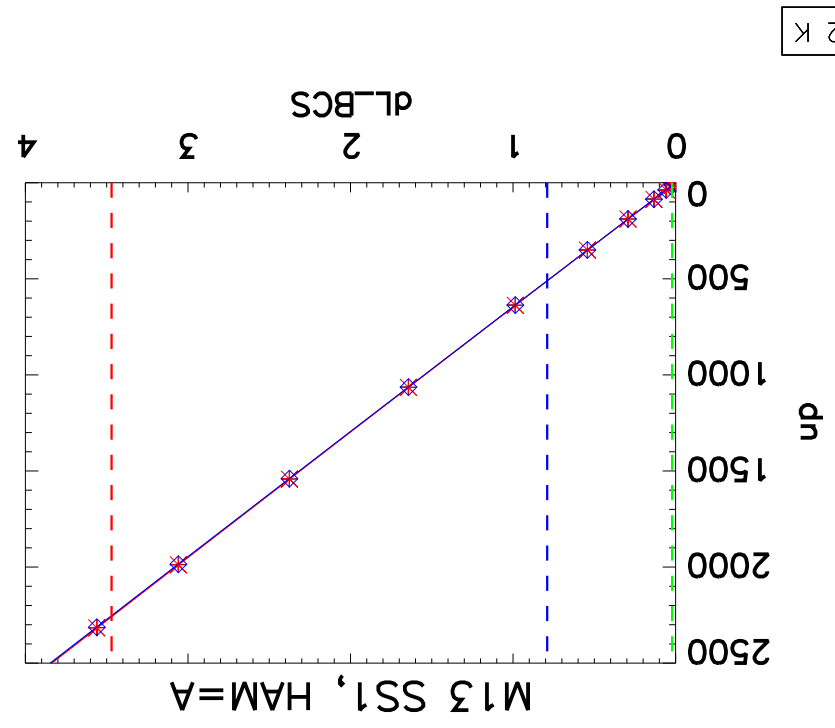
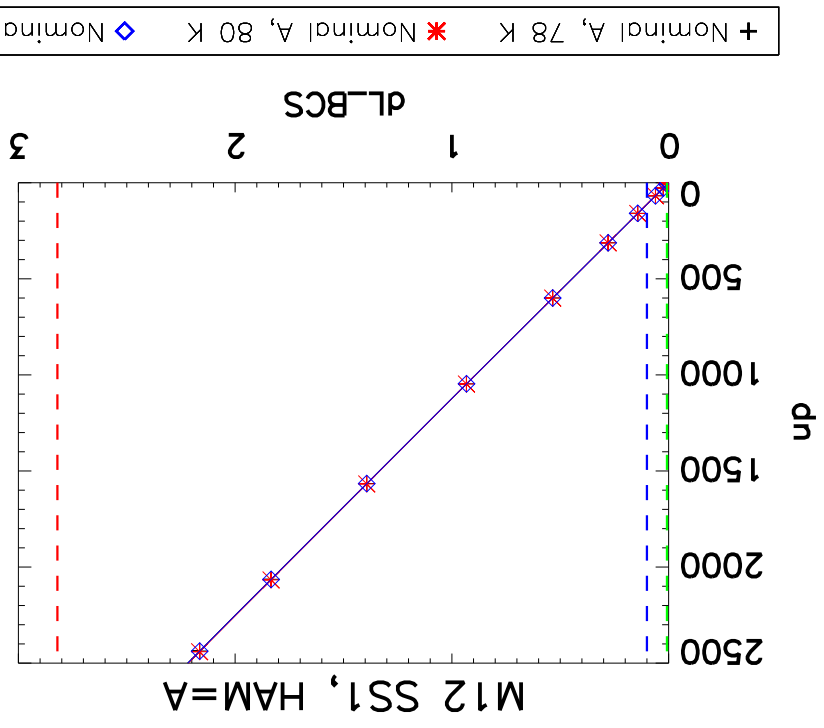
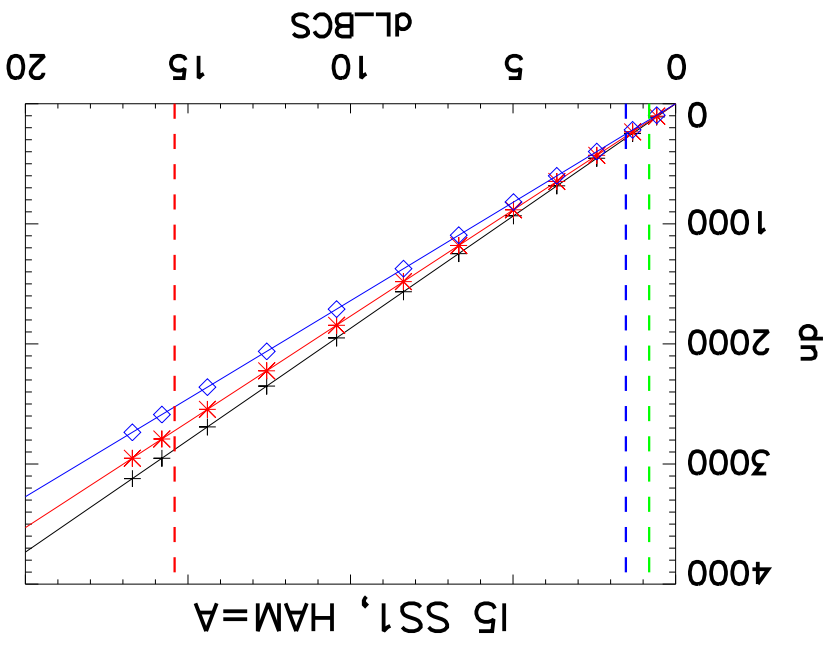
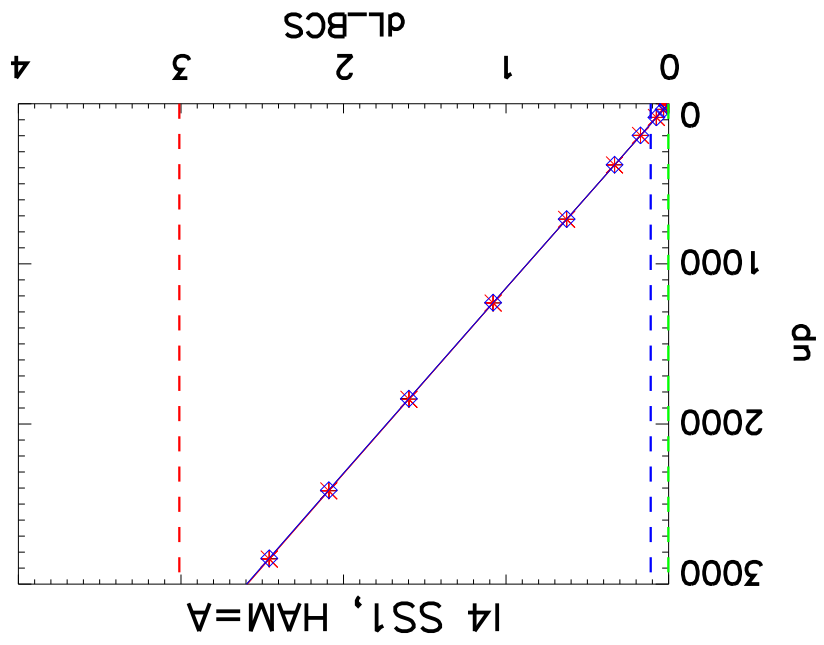
dn vs dl_BCS



+ Nominal A, 78 K
 * Nominal A, 80 K
 ◇ Nominal A, 82 K

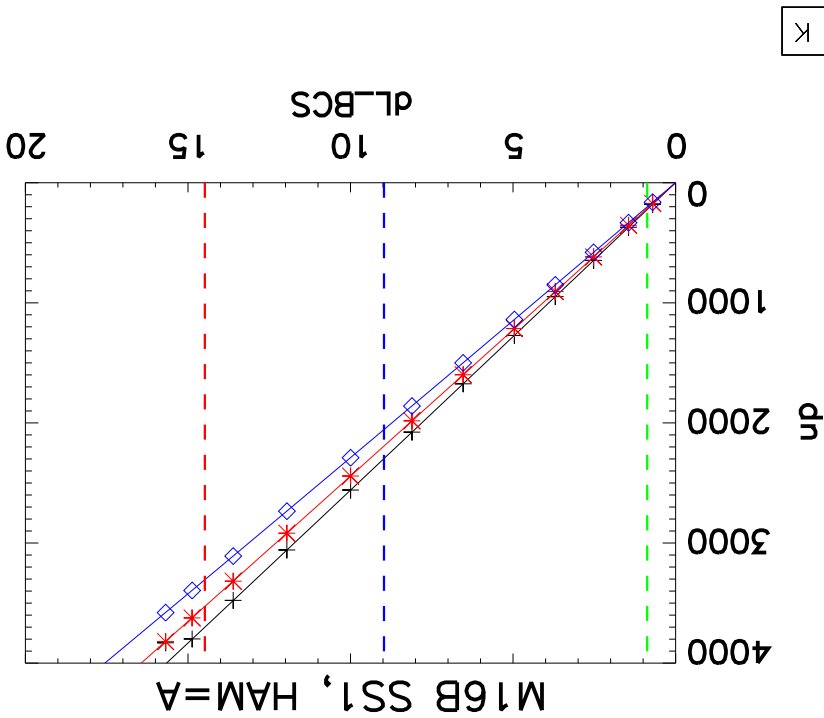
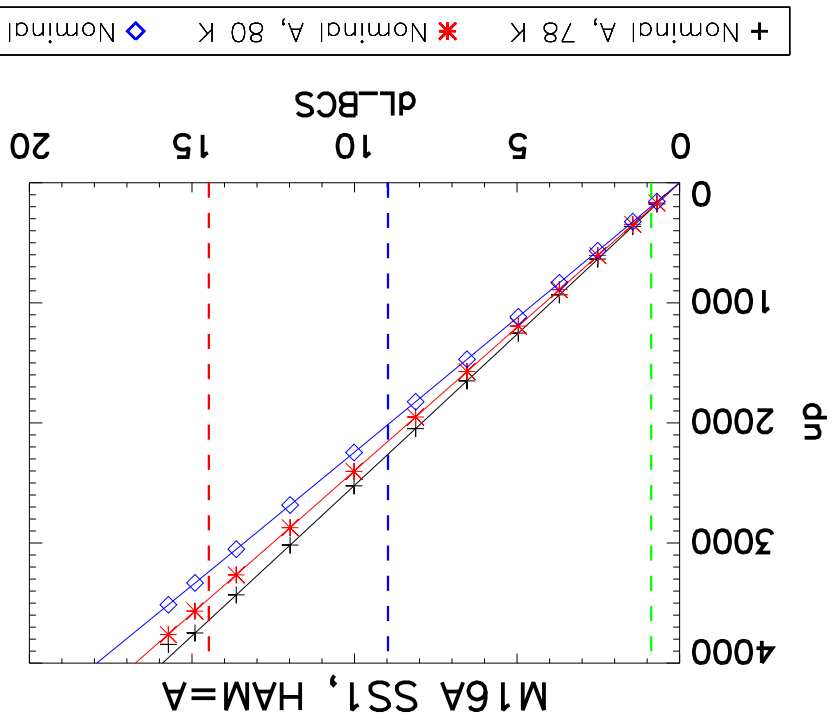
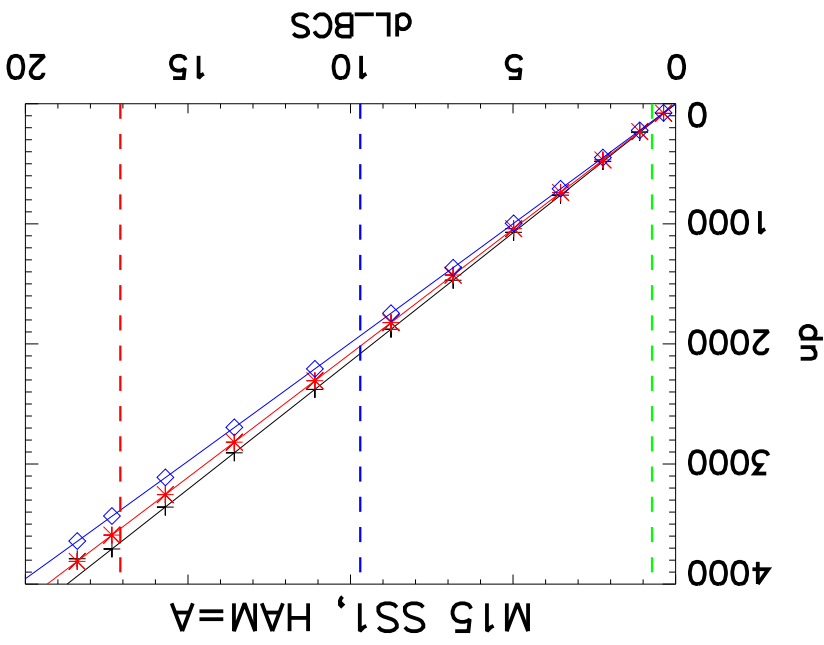
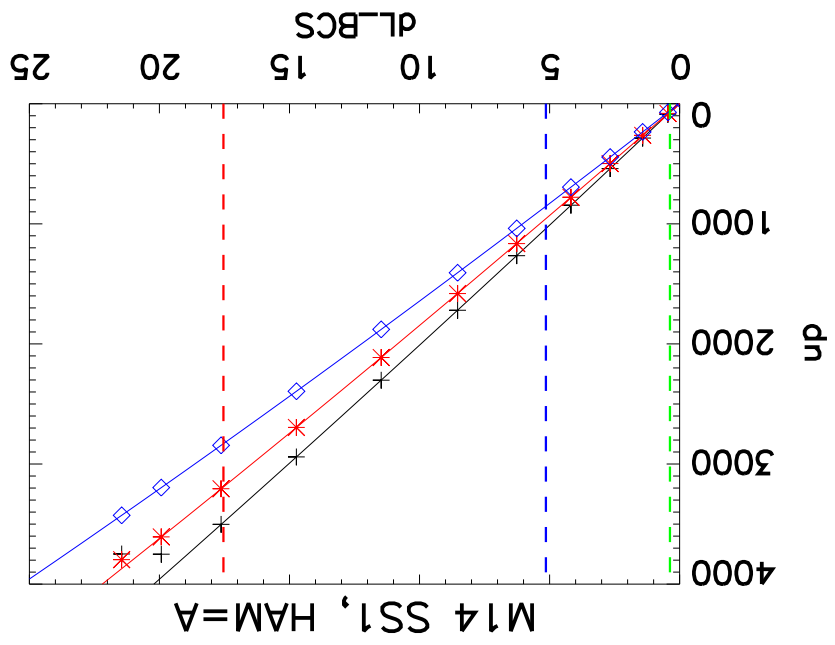


dn vs dLBCS



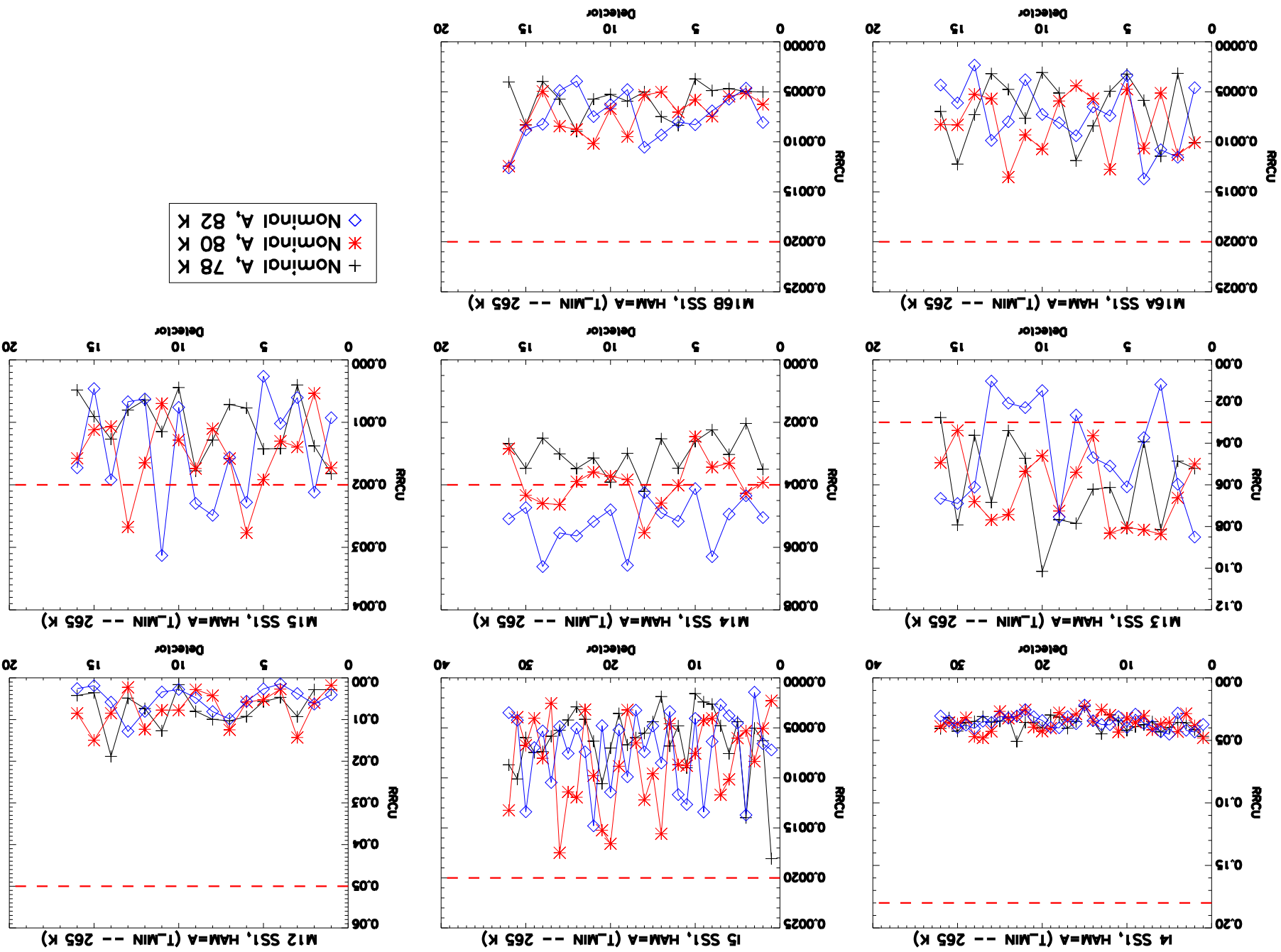
+ Nominal A, 78 K * Nominal A, 80 K ♦ Nominal A, 82 K

dn vs dLBCS

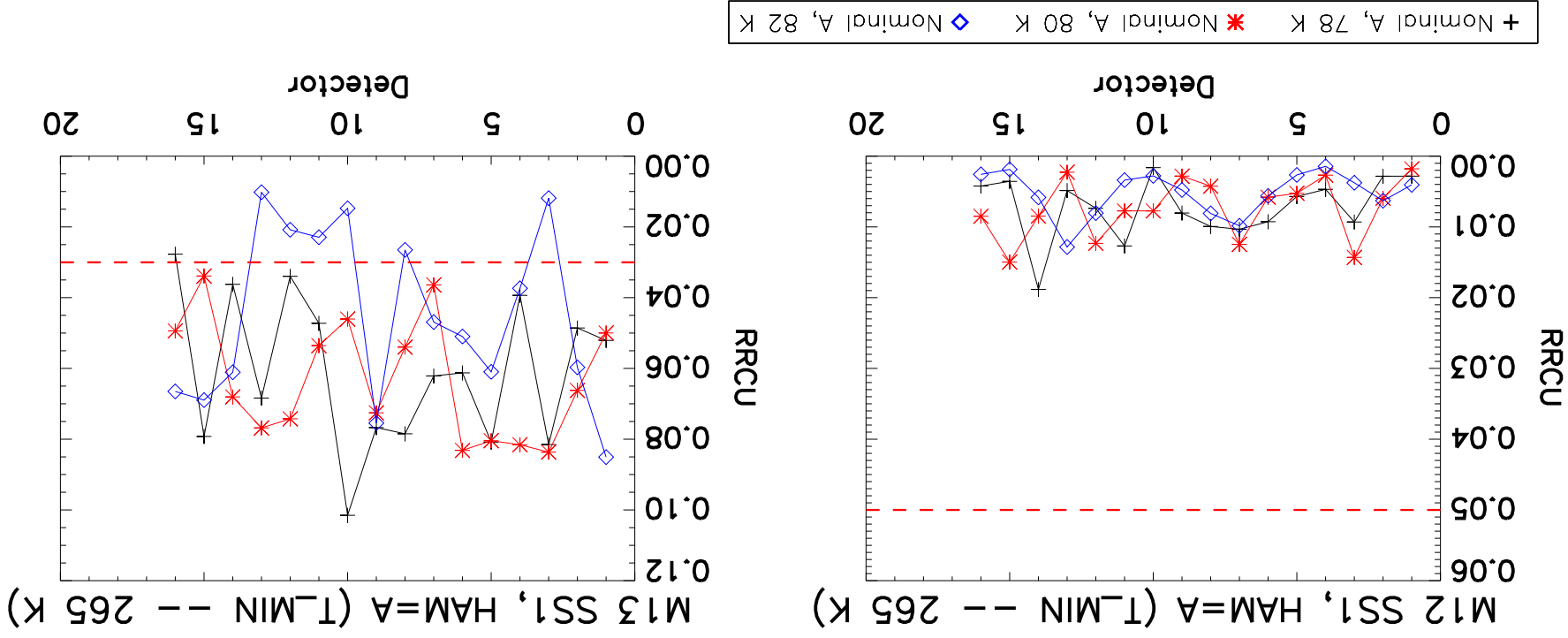
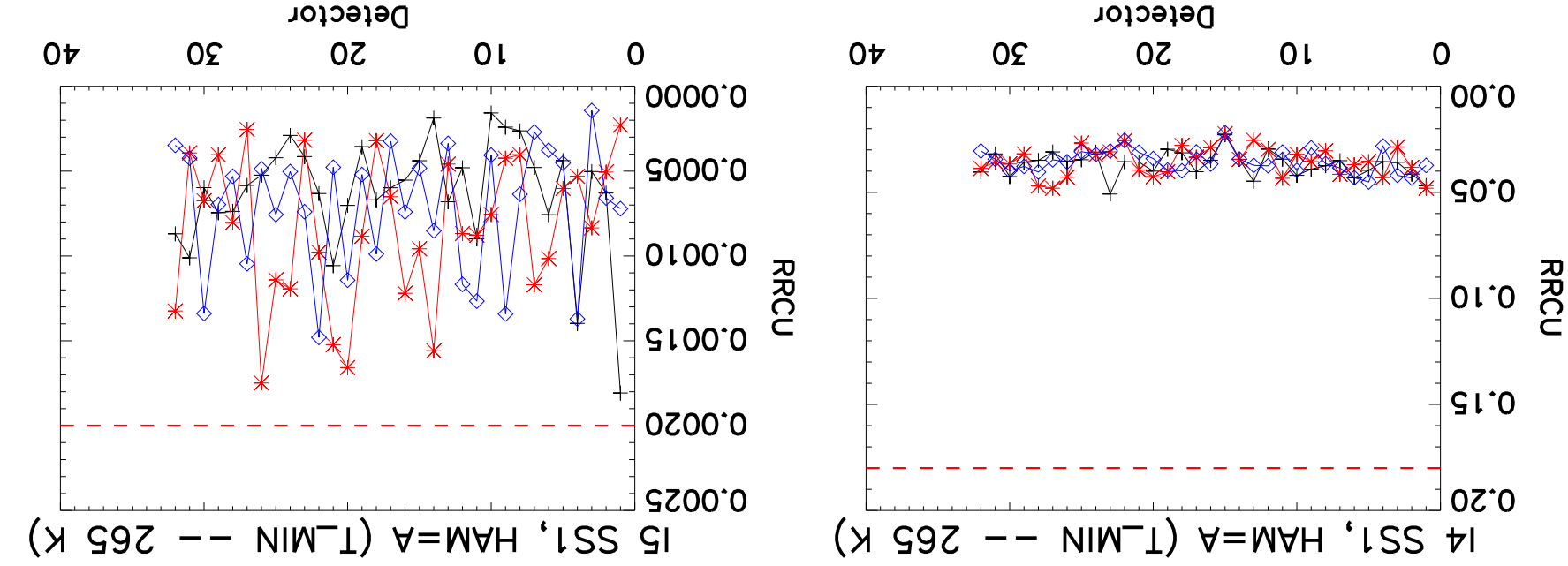


+ Nominal A, 78 K * Nominal A, 80 K ♦ Nominal A, 82 K

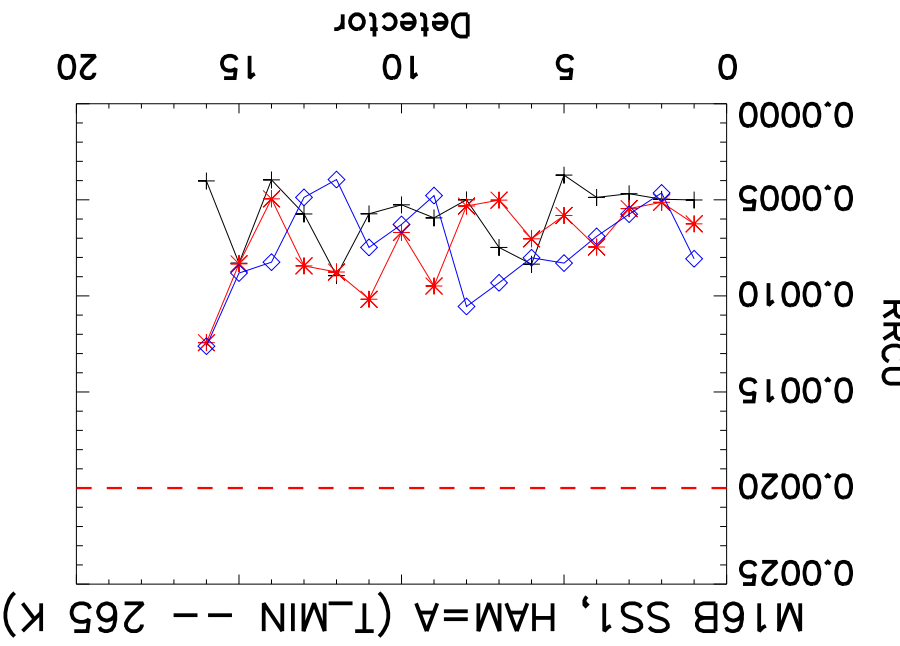
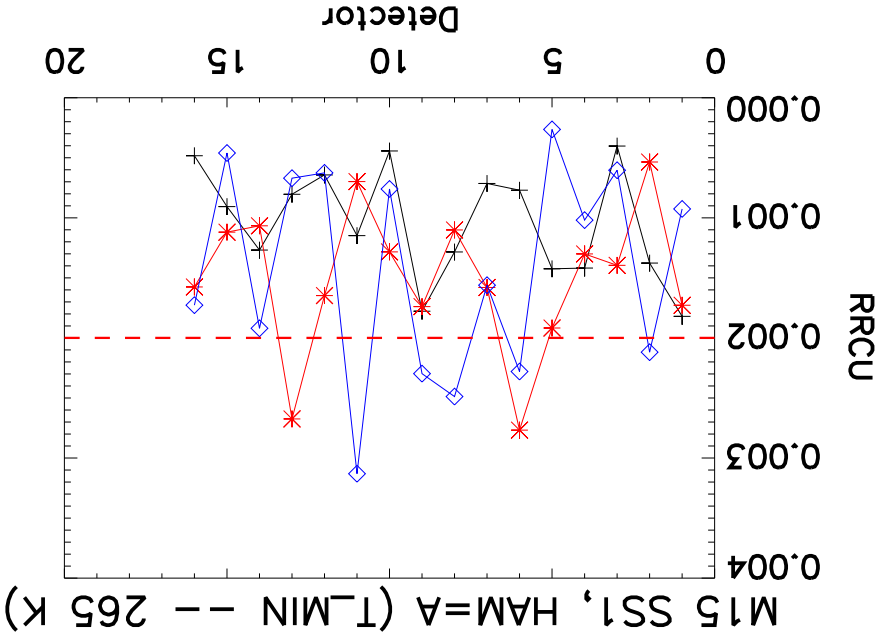
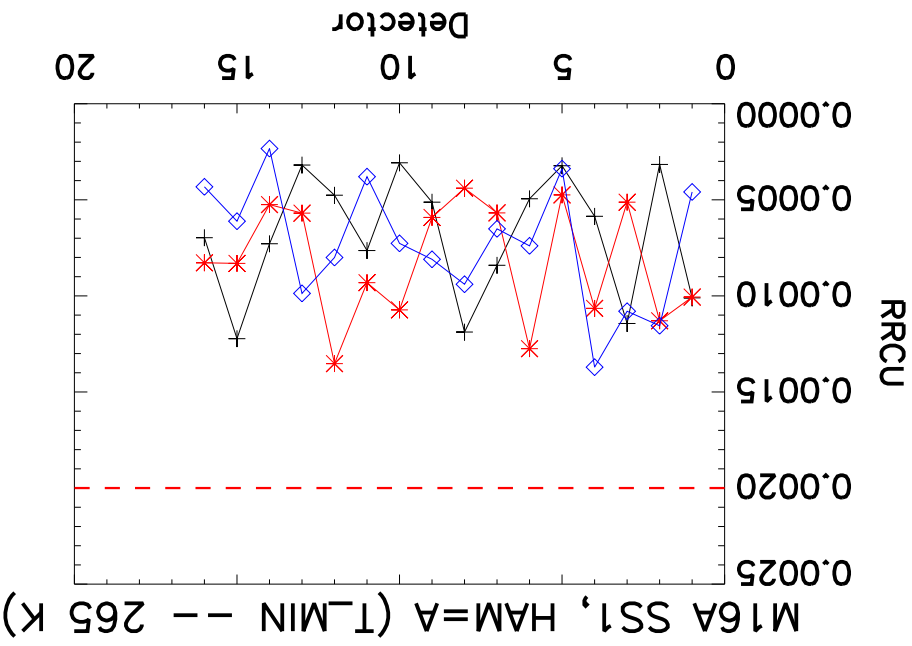
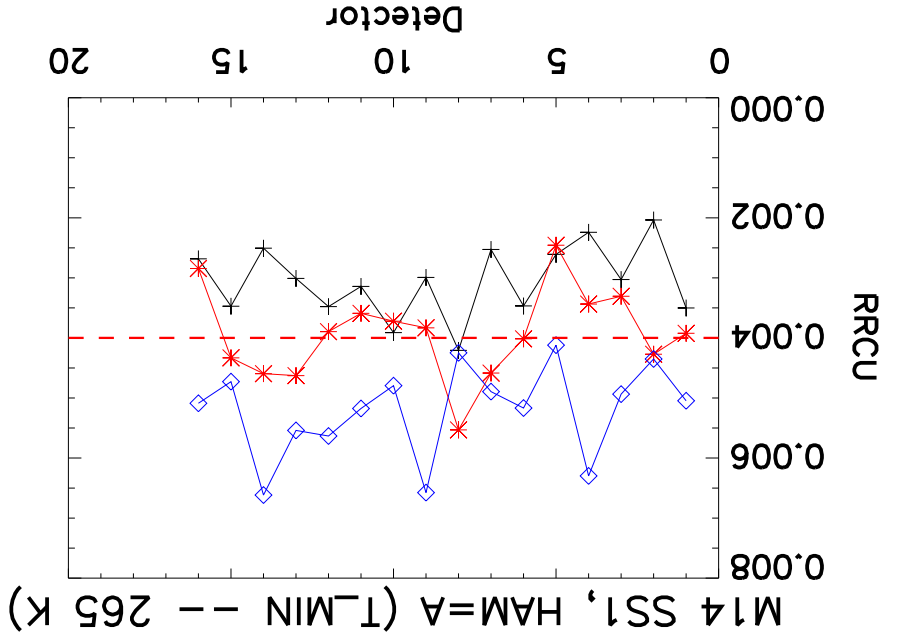
Detector Variation in RCU



Detector Variation in RCU

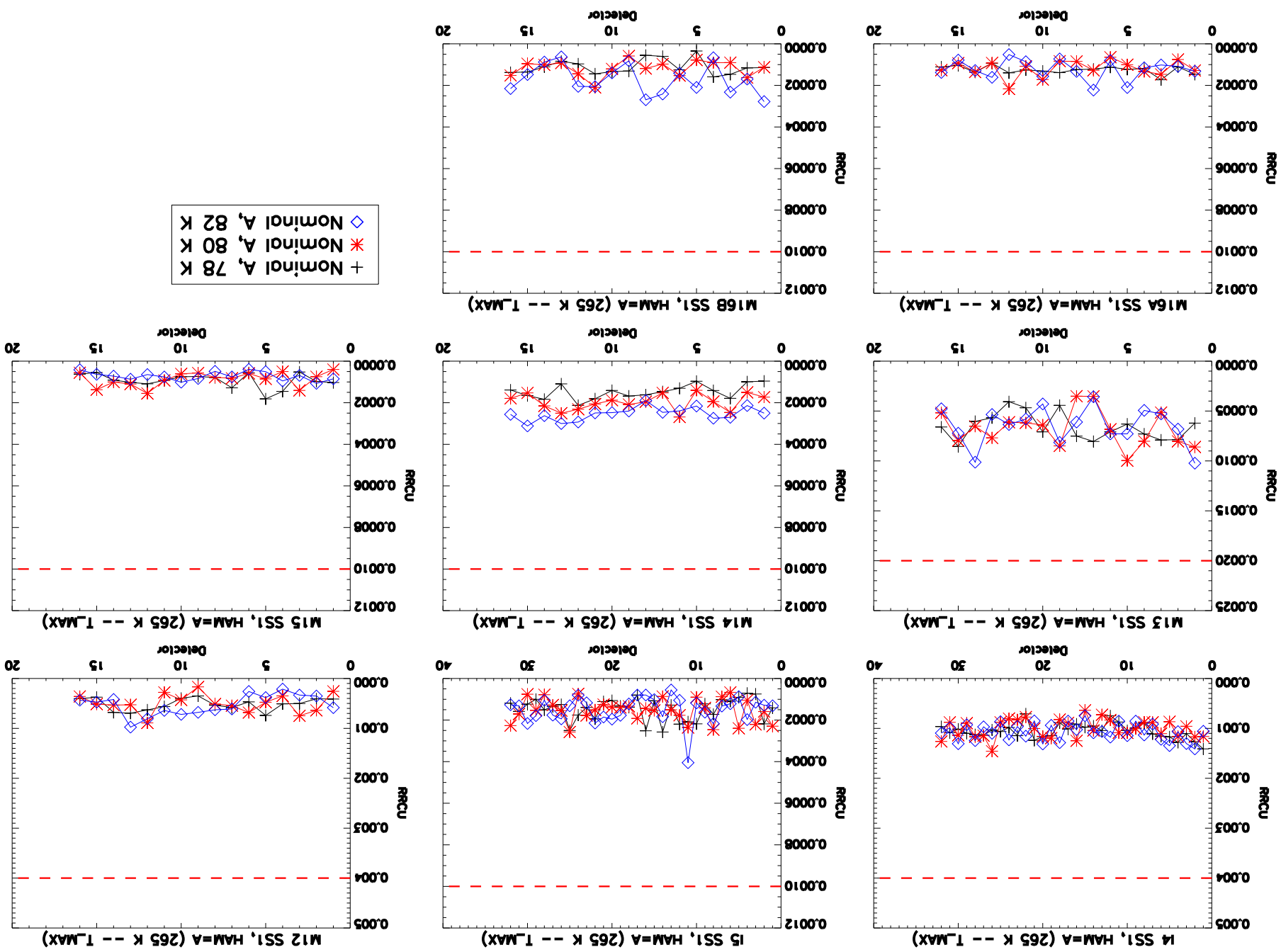


Detector Variation in RCU



+ Nominal A, 78 K * Nominal A, 80 K ◆ Nominal A, 82 K

Detector Variation in RCU



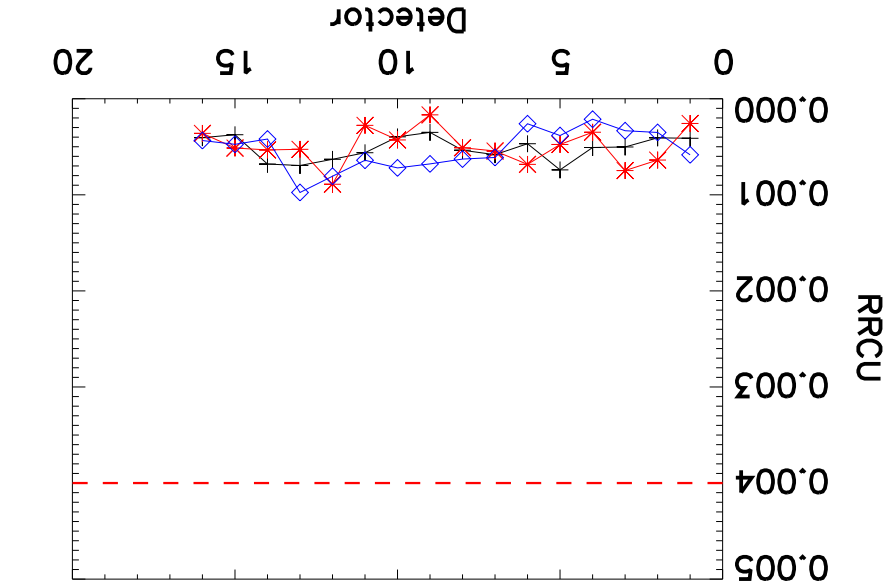
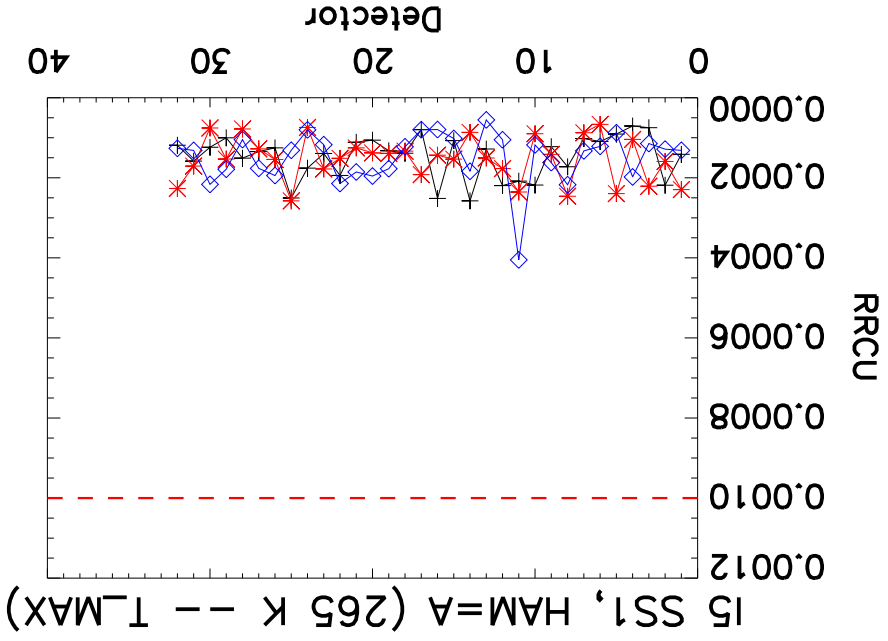
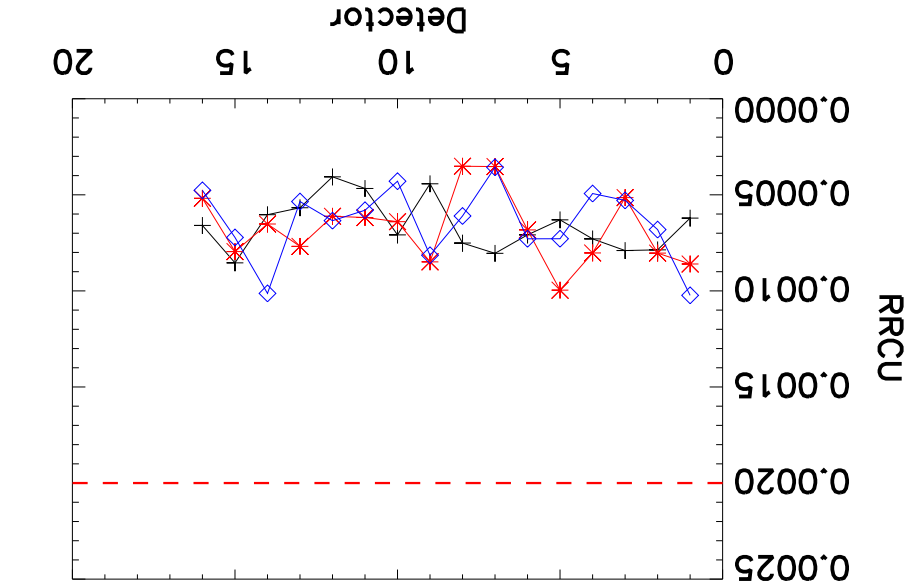
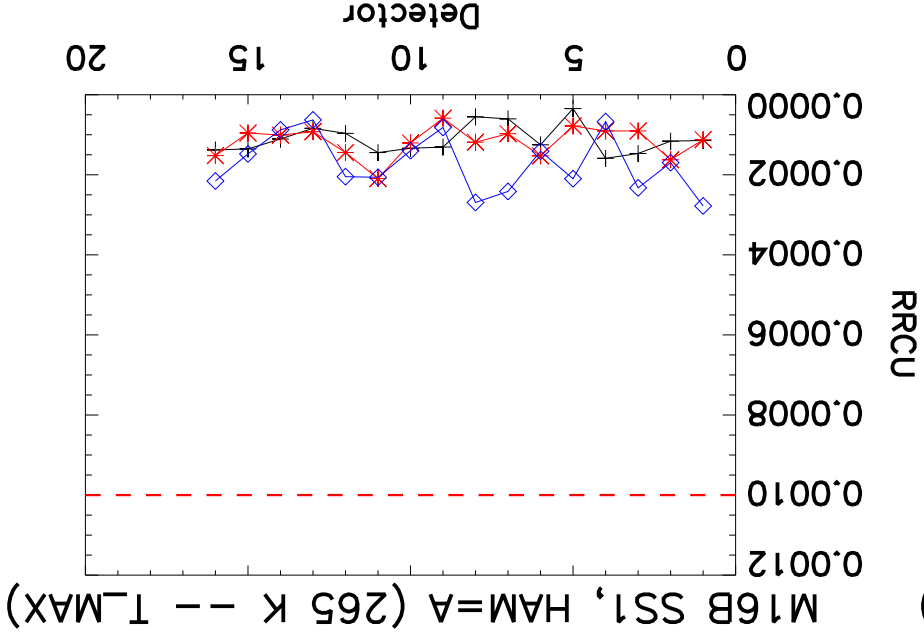
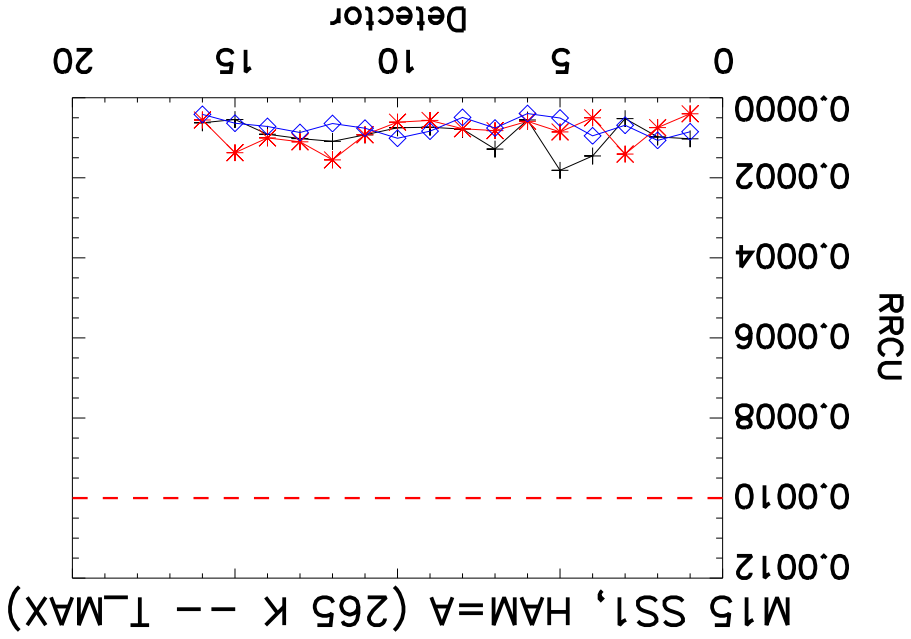
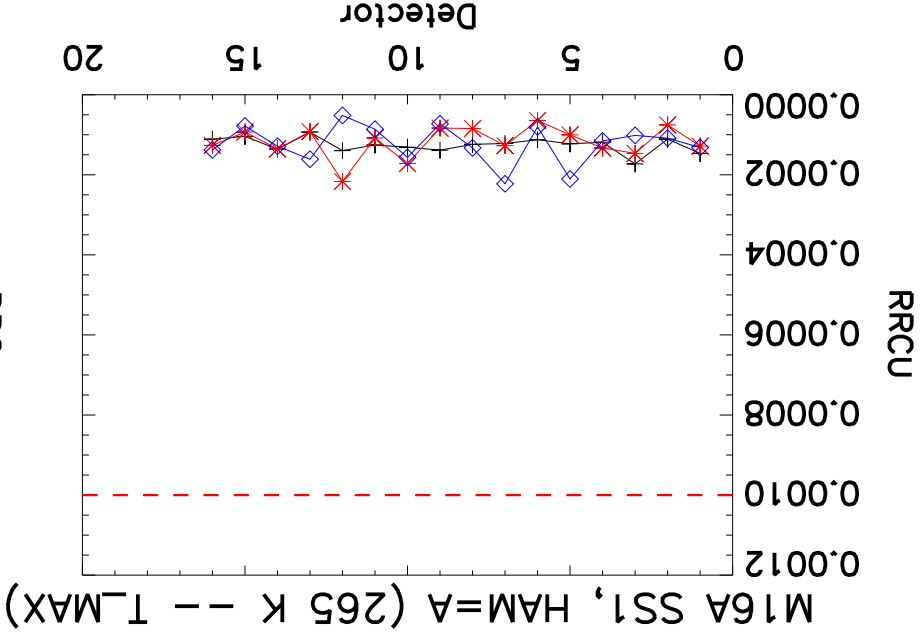
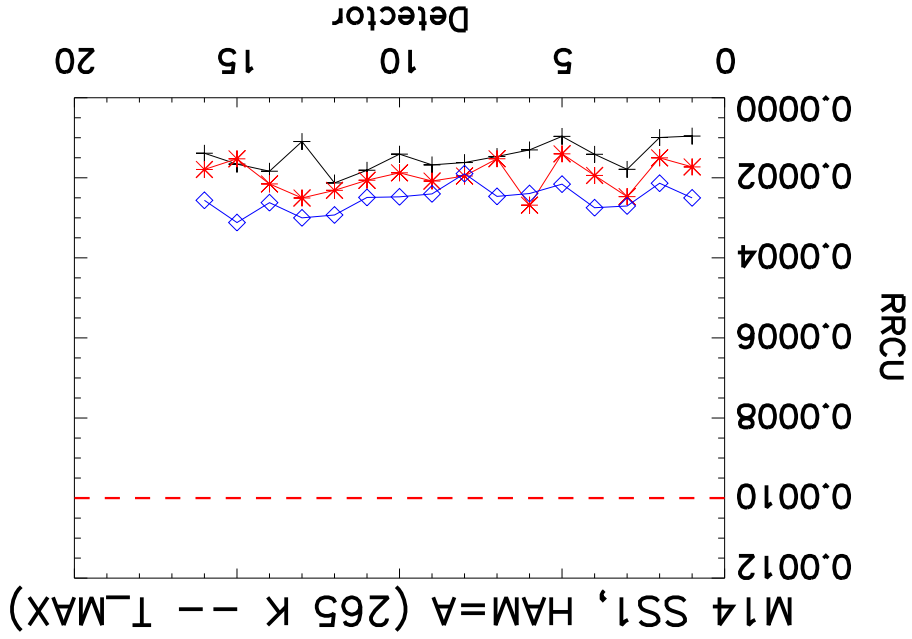


Figure 1 is a line graph showing the RCU (Right Column Unit) and Detector values for three different models (blue diamonds, red asterisks, and black crosses) across 20 trials. The RCU values are on the right y-axis (0.0000 to 0.0025) and the Detector values are on the left y-axis (0 to 20). A dashed red line is at RCU = 0.0020. The blue diamonds show the highest RCU values, peaking around 0.0007. The red asterisks and black crosses show lower RCU values, generally below 0.0005. The Detector values for all models fluctuate between approximately 5 and 15.



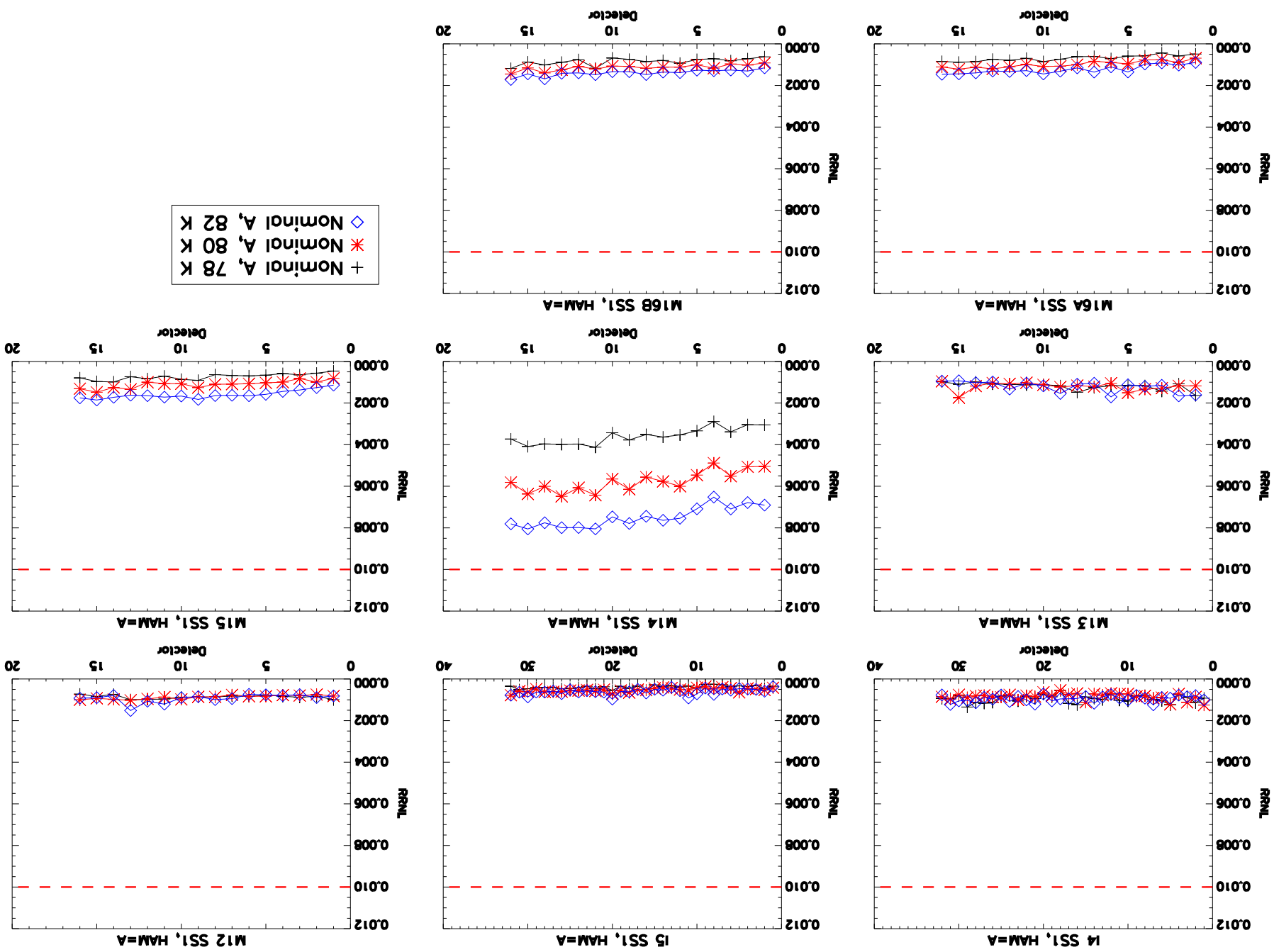
+ Nominal A, 78 K * Nominal A, 80 K ♦ Nominal A, 82 K

Detector Variation in RCU

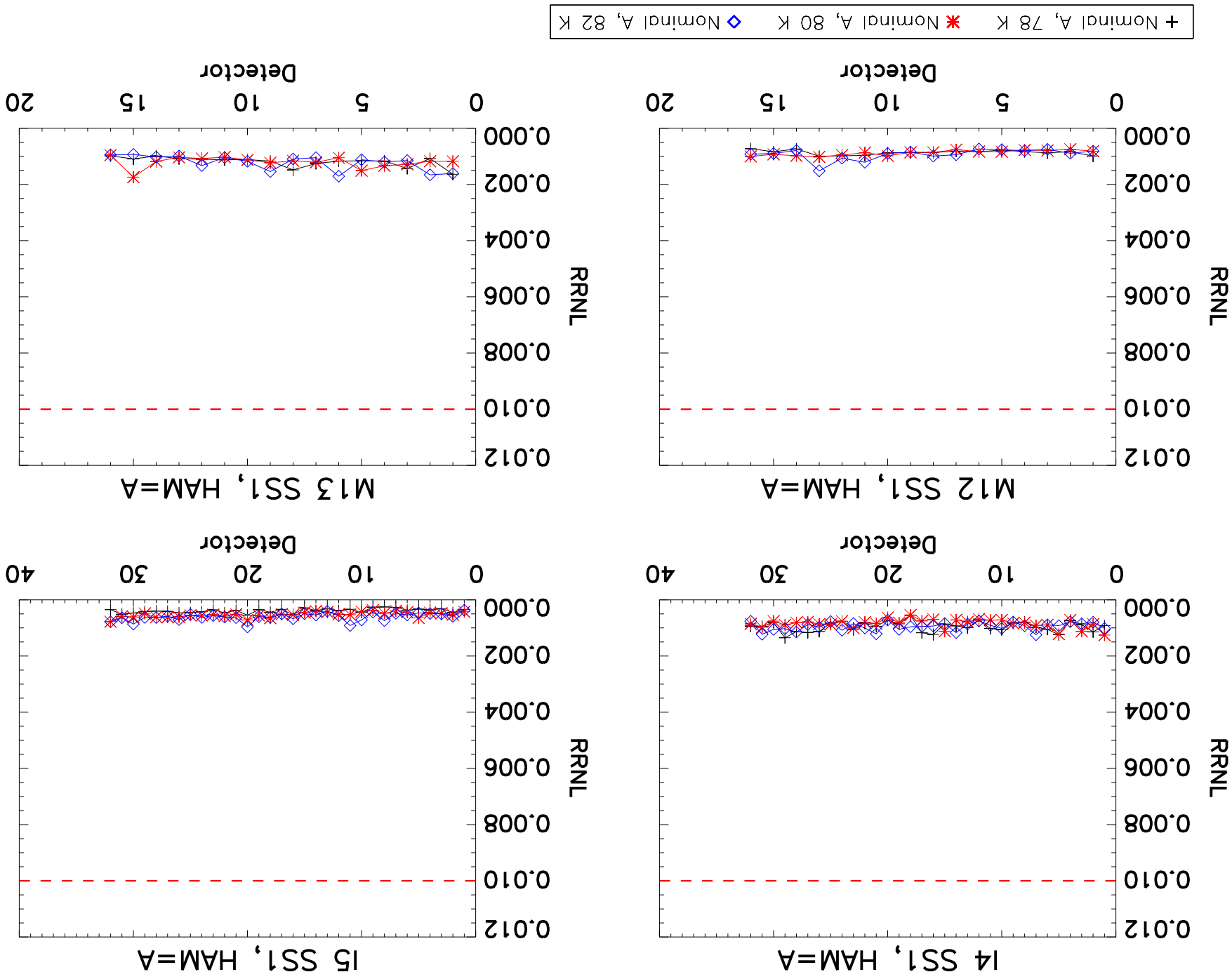


+ Nominal A, 78 K * Nominal A, 80 K ♦ Nominal A, 82 K

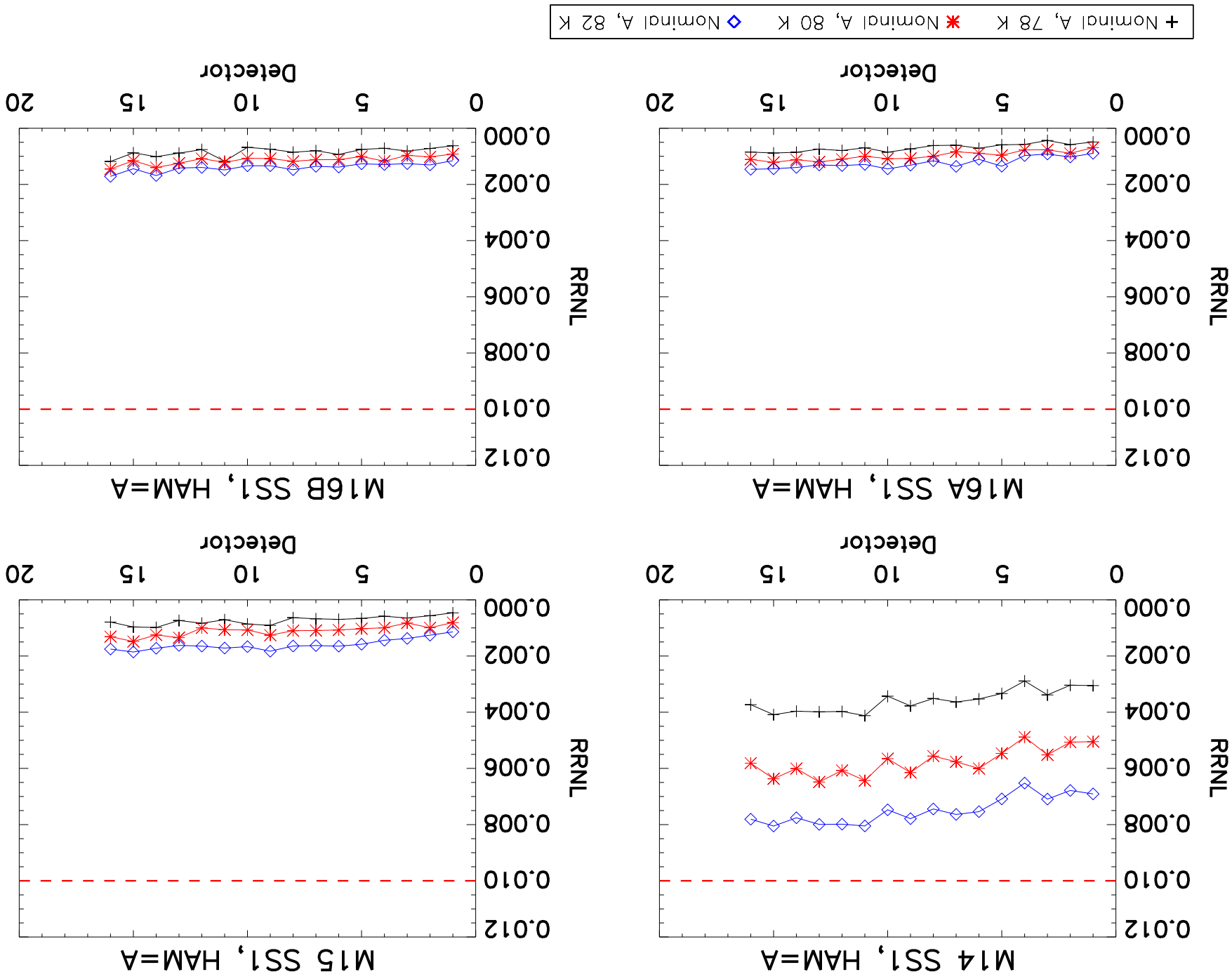
Detector Variation in RNL



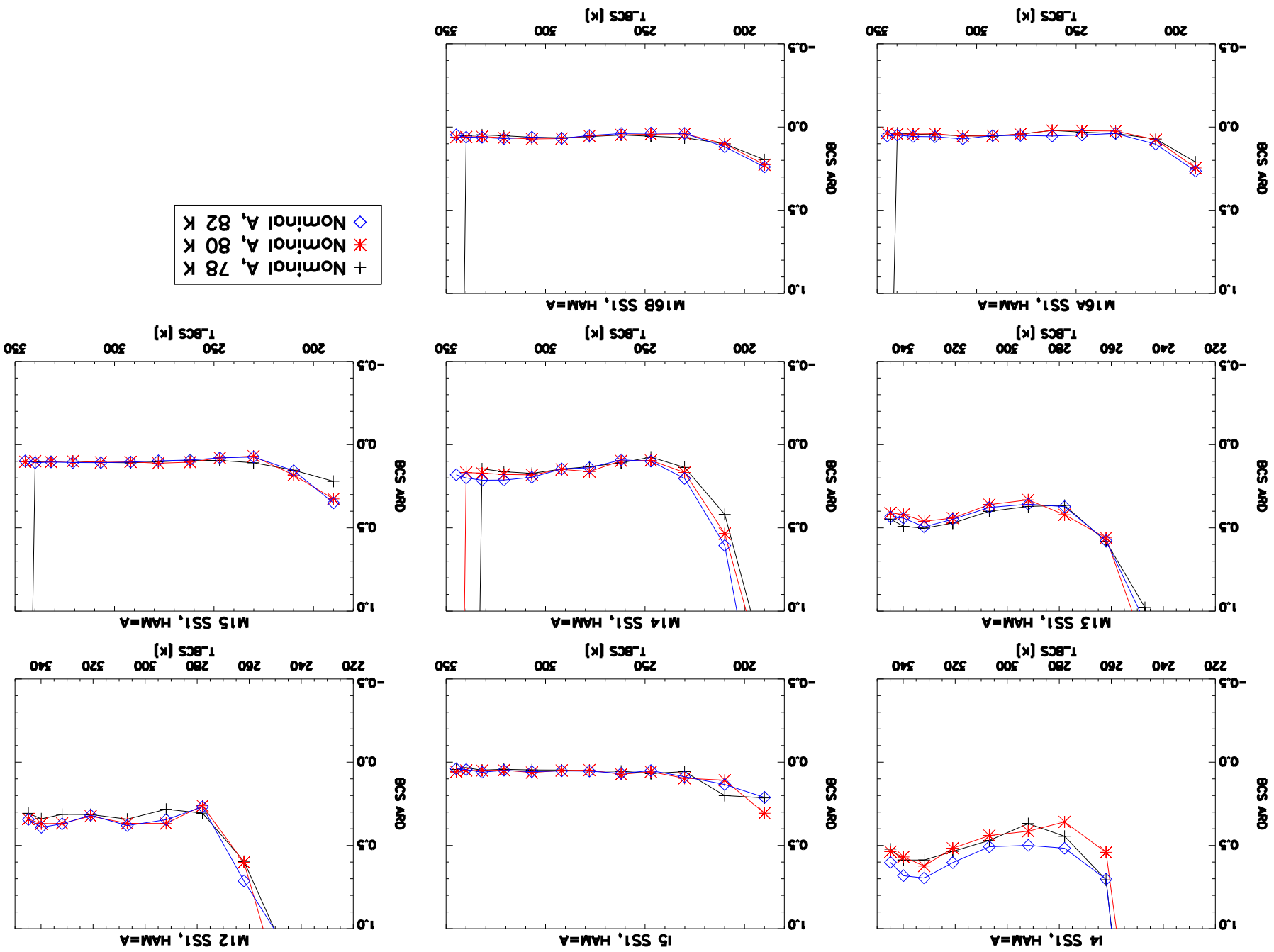
Detector Variation in RRNL



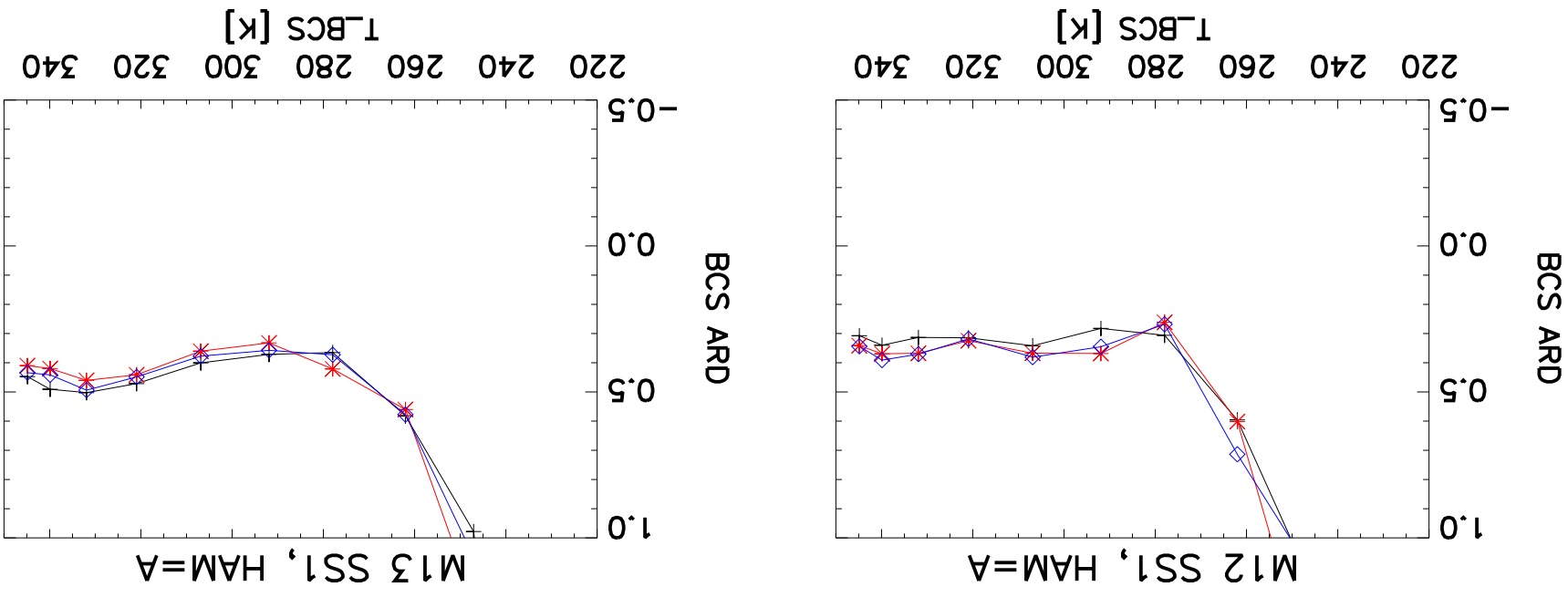
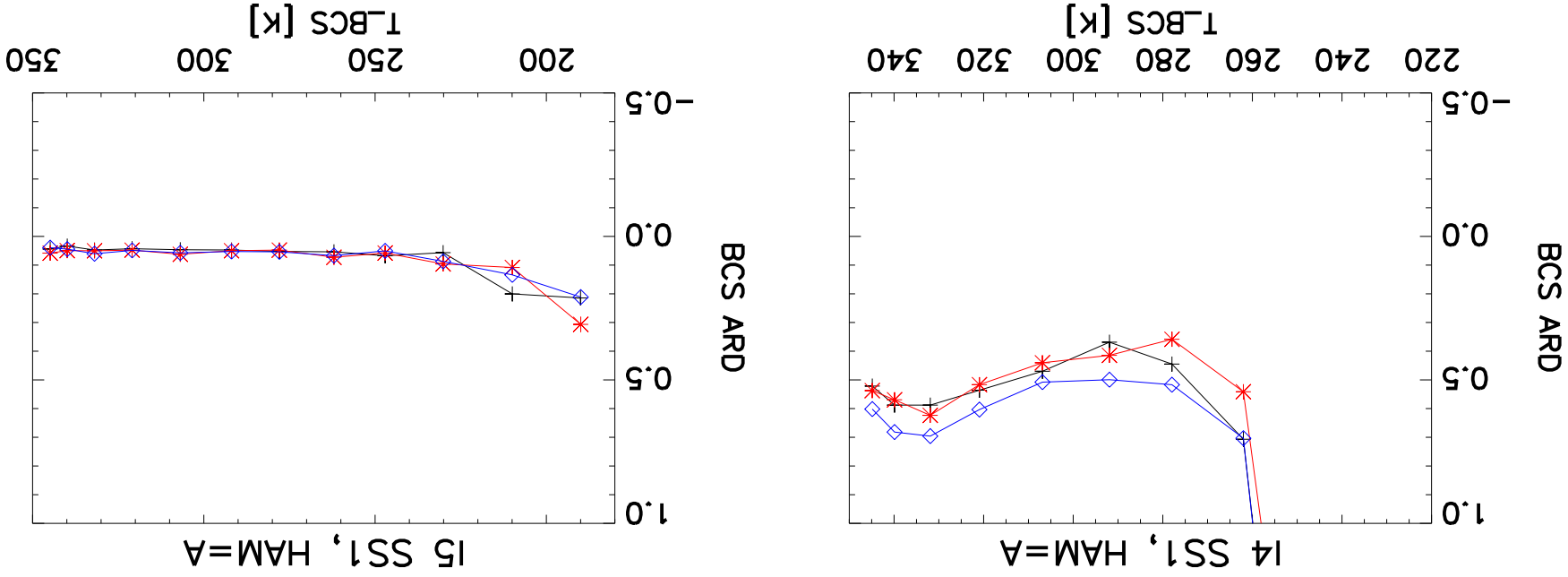
Detector Variation in RRNL



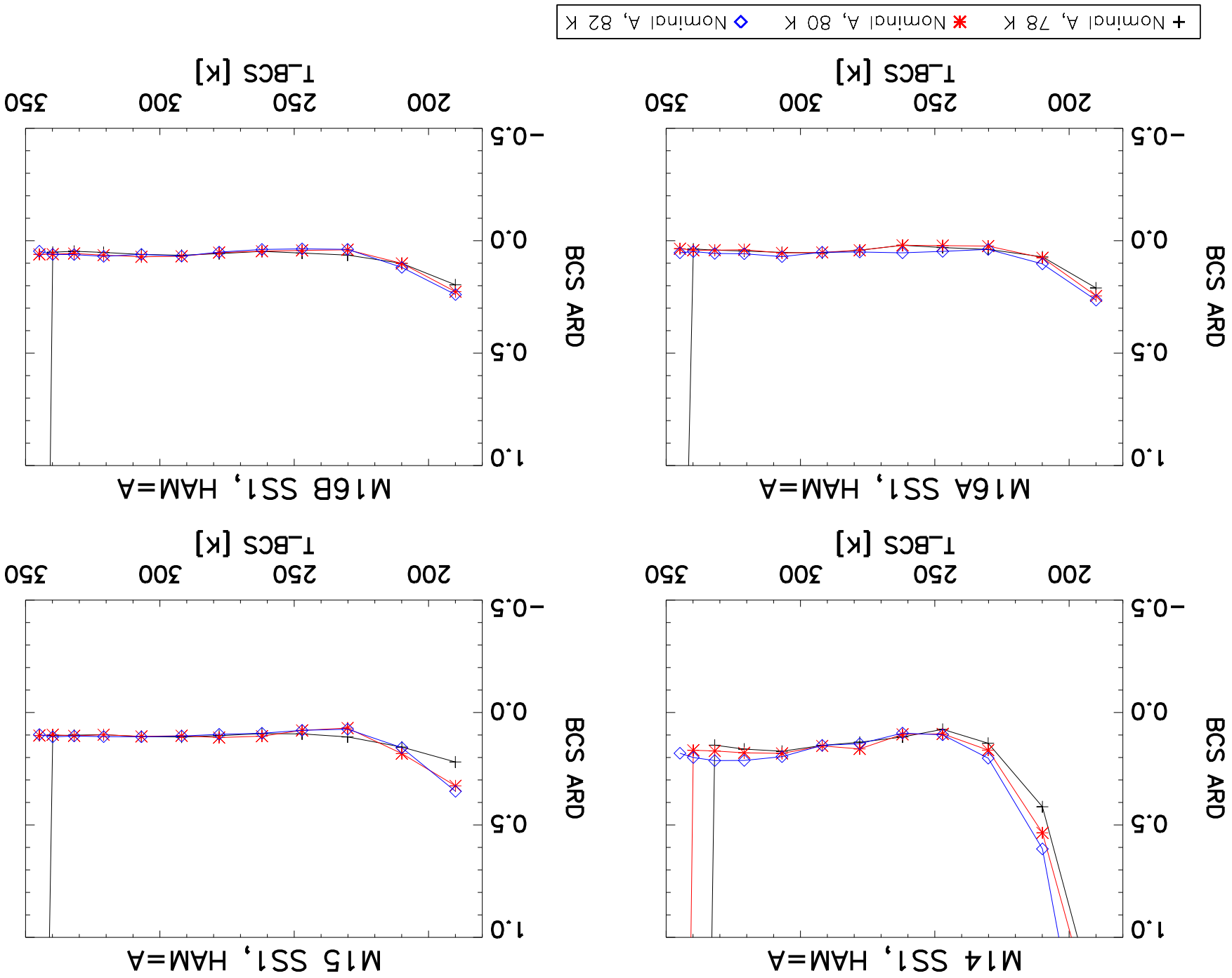
ARD vs T_BCS



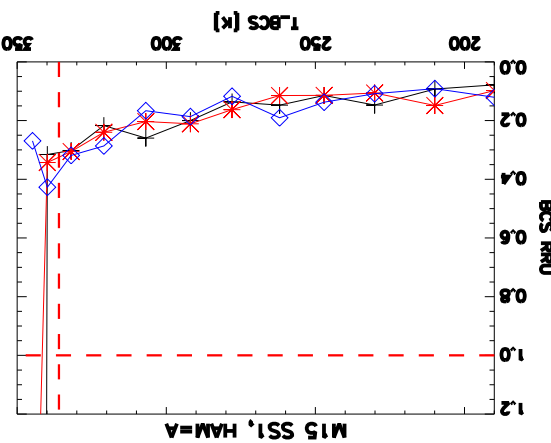
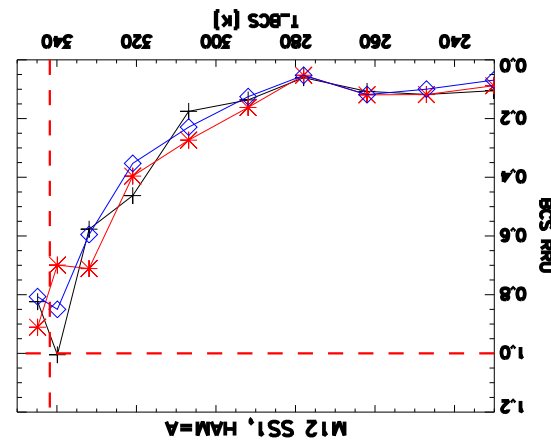
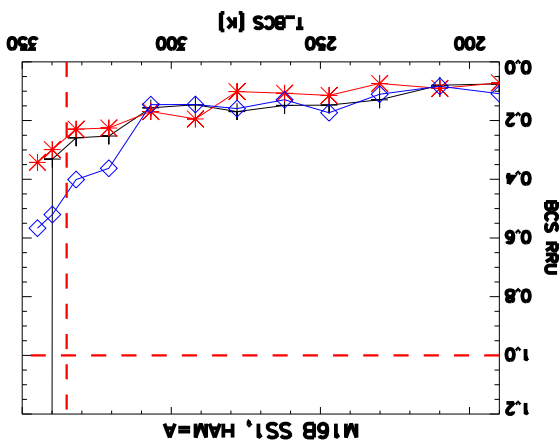
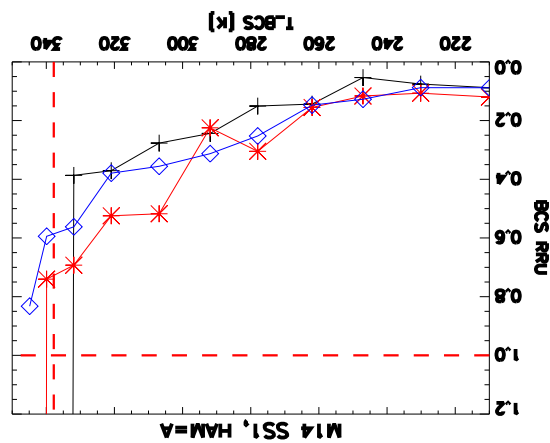
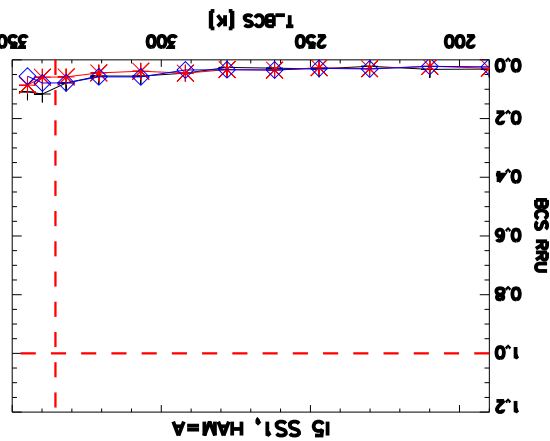
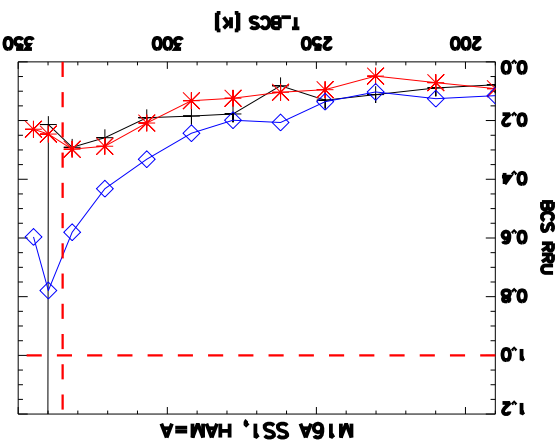
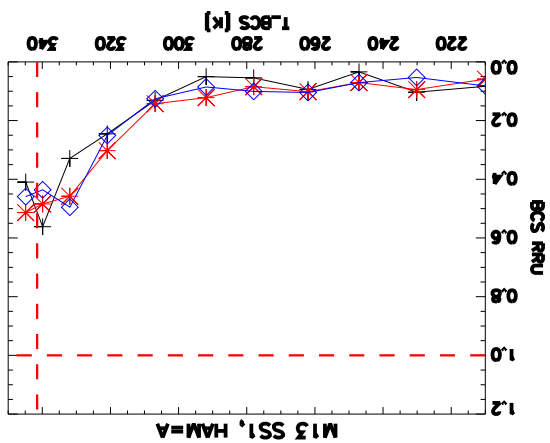
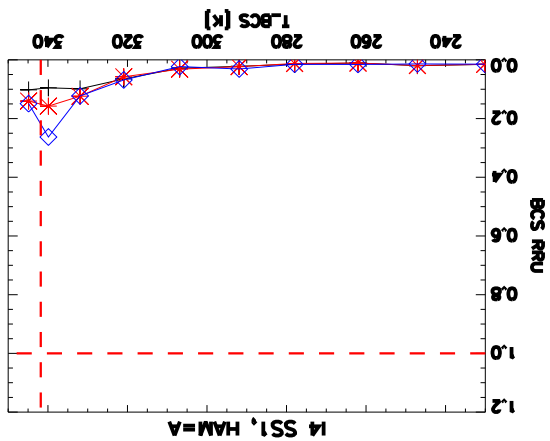
ARD vs T_{BCS}



ARD vs T_{BCS}

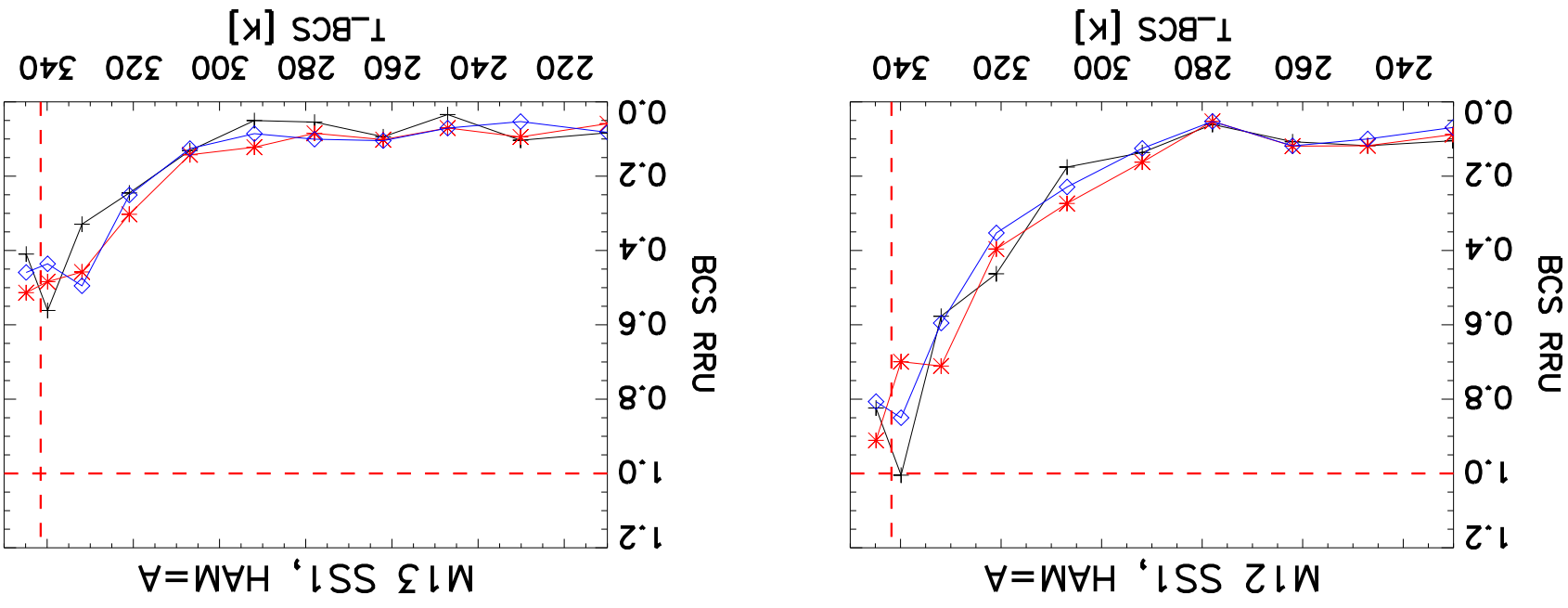
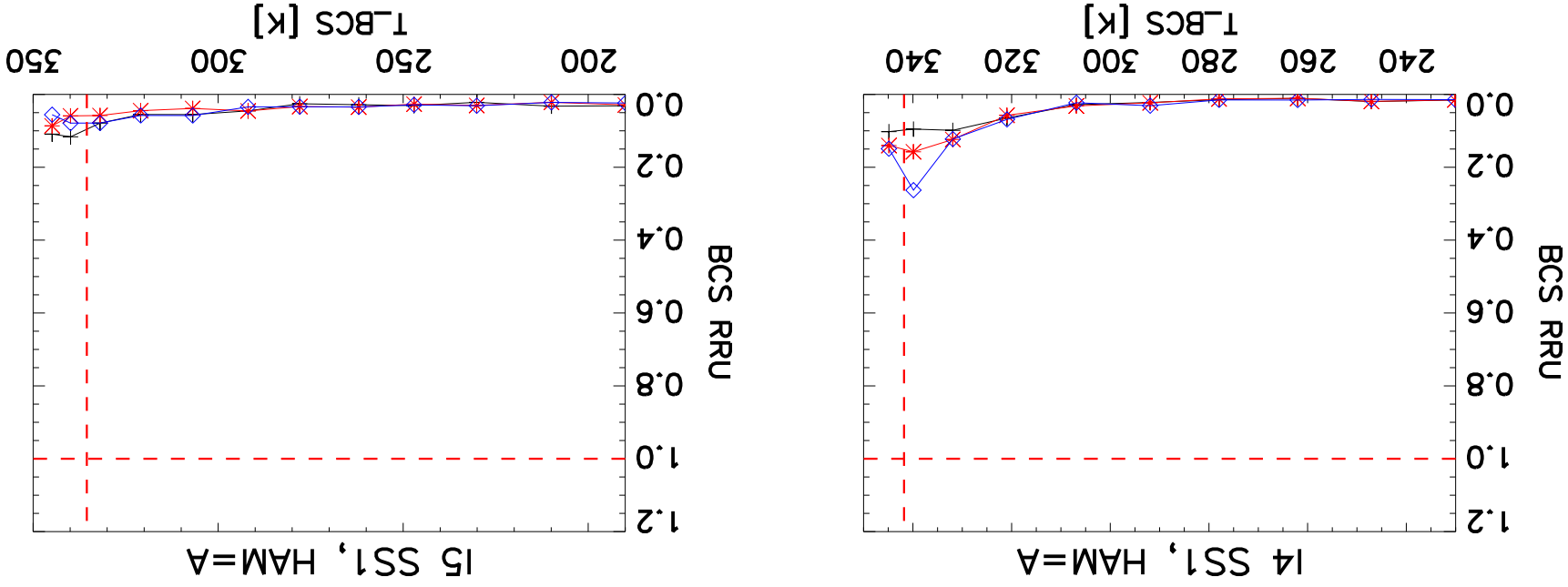


RRU in T-BCS



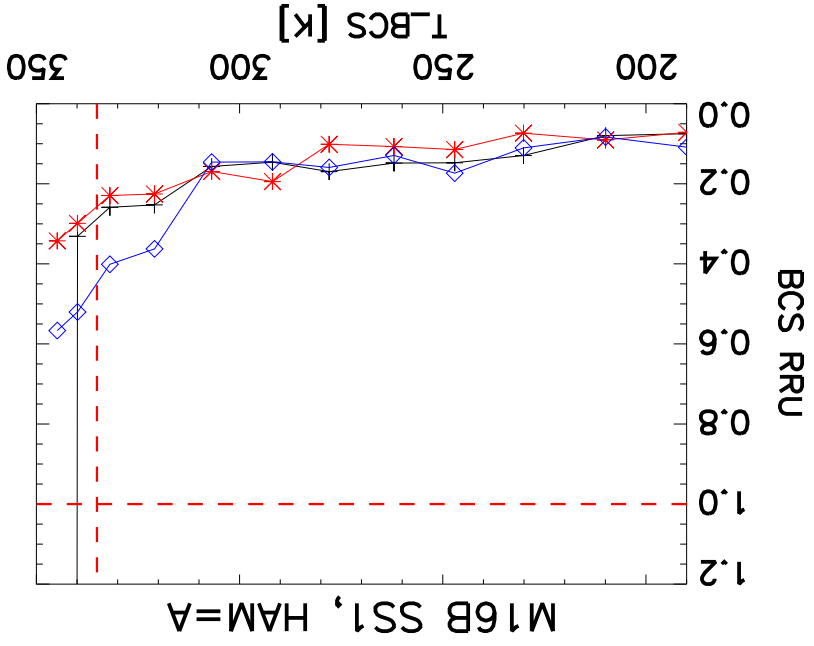
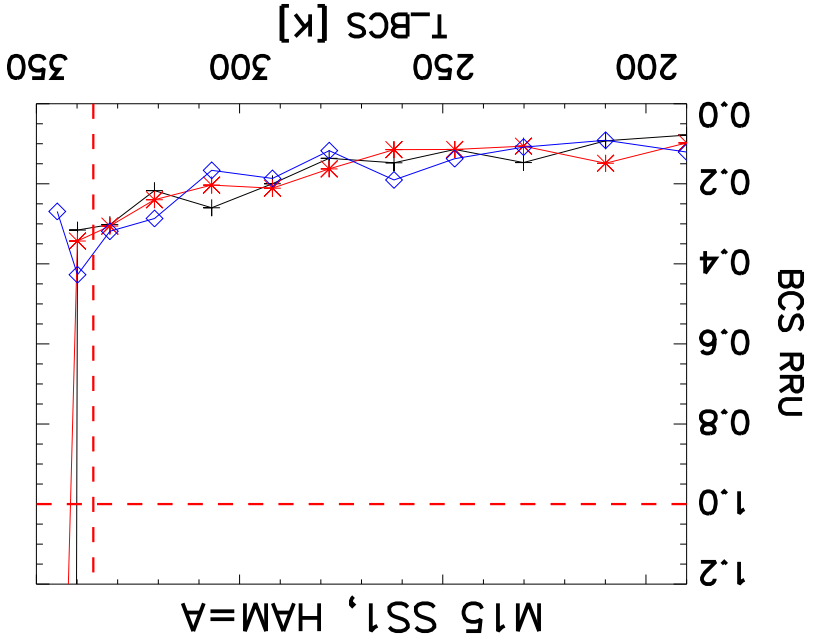
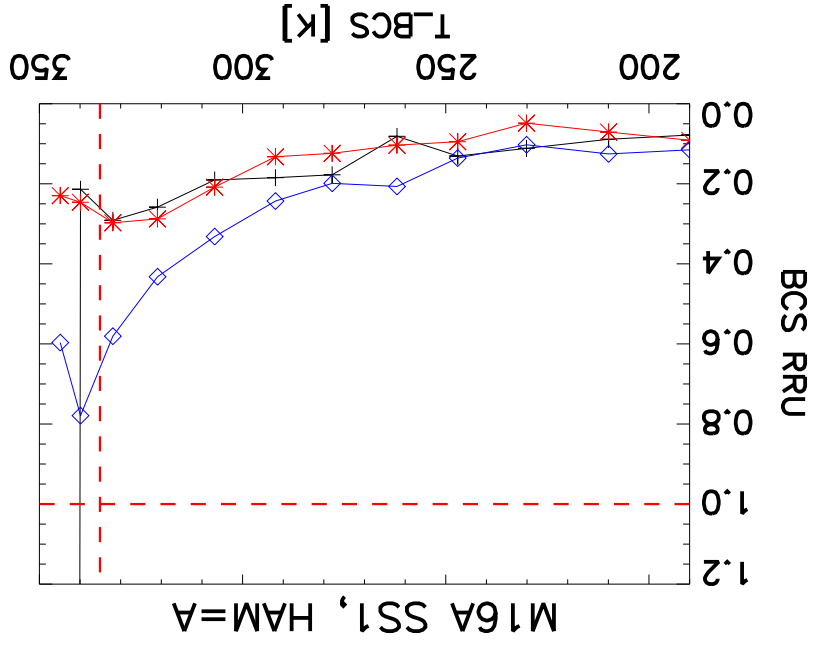
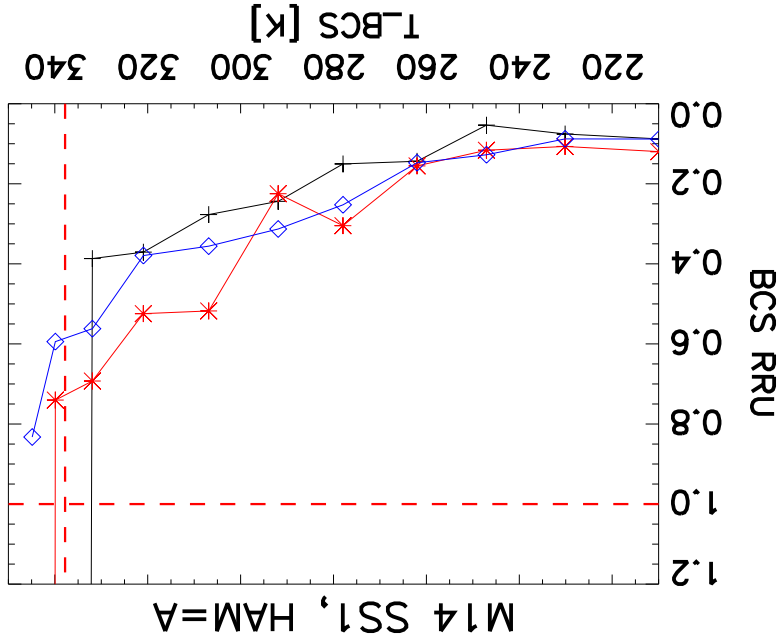
◇ Nominal A, 82 K
 * Nominal A, 80 K
 + Nominal A, 78 K

RRU in T-BCS



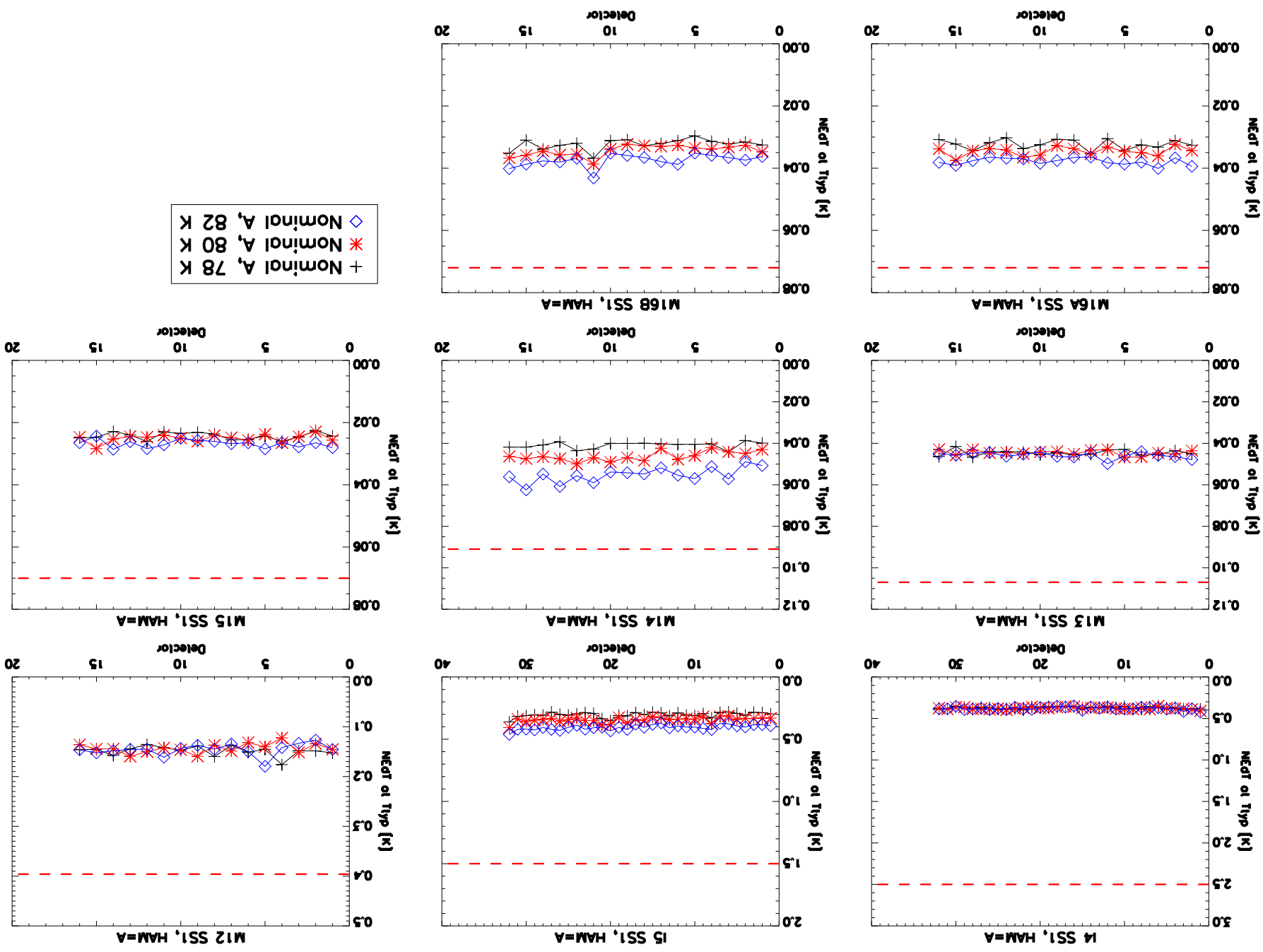
+ Nominal A, 78 K * Nominal A, 80 K ♦ Nominal A, 82 K

RRU in T-BCS

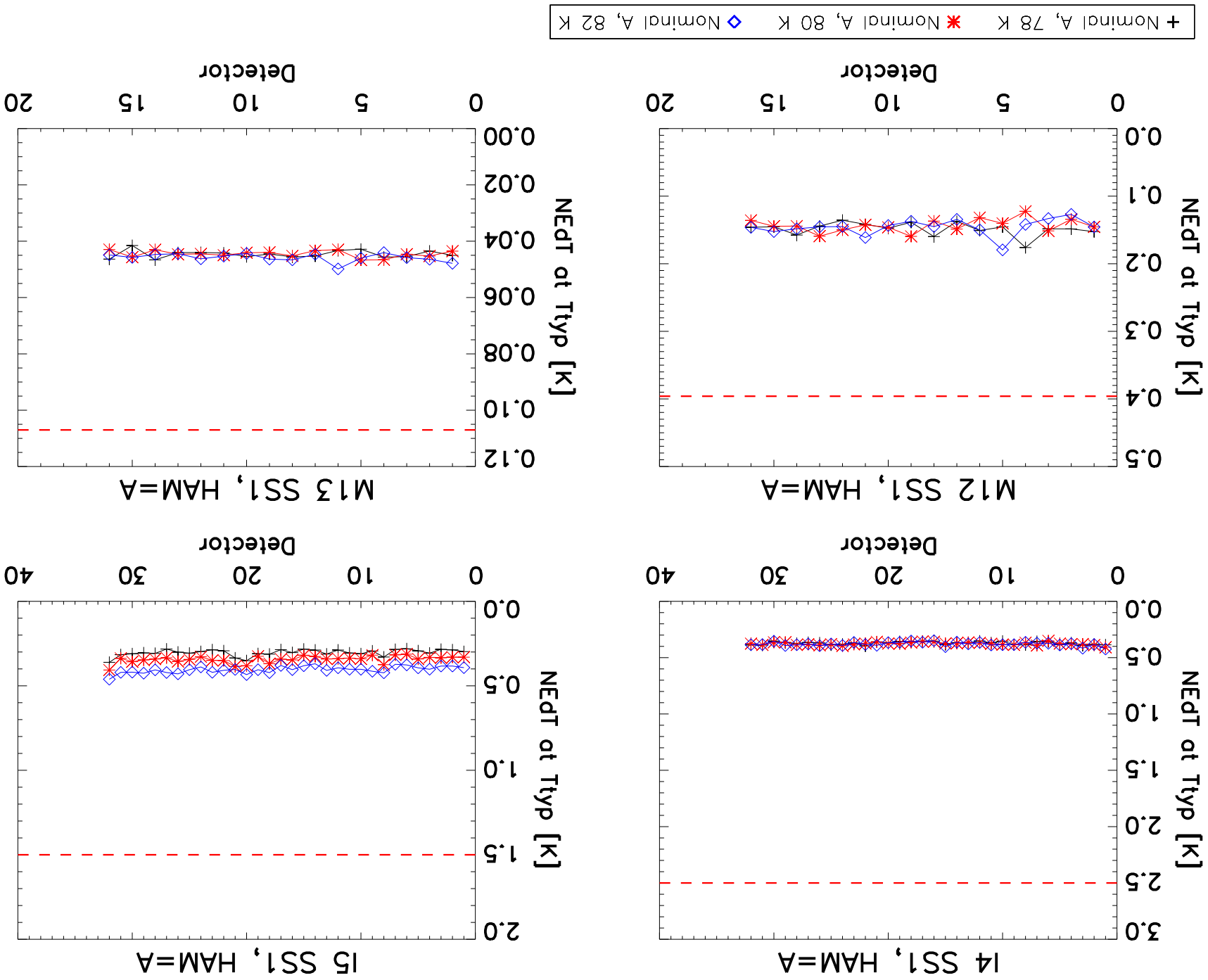


+ Nominal A, 78 K * Nominal A, 80 K ♦ Nominal A, 82 K

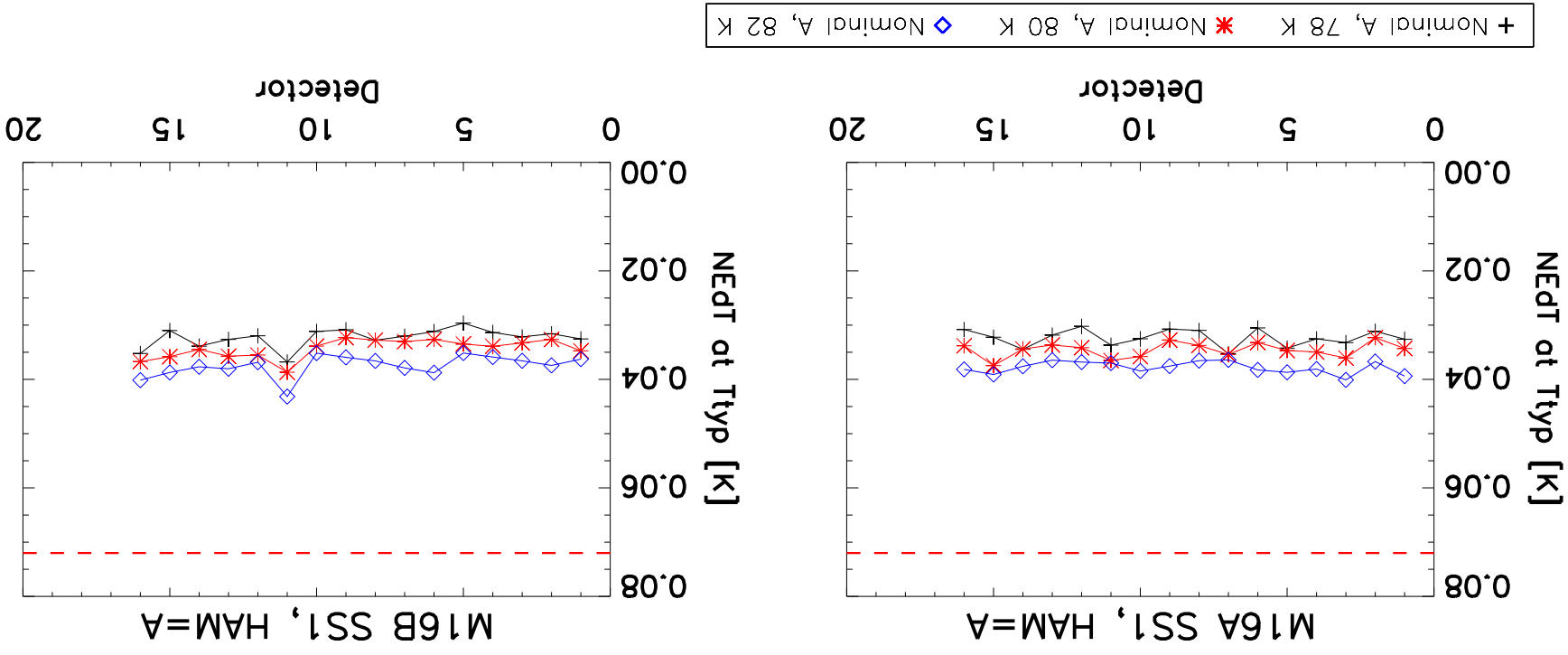
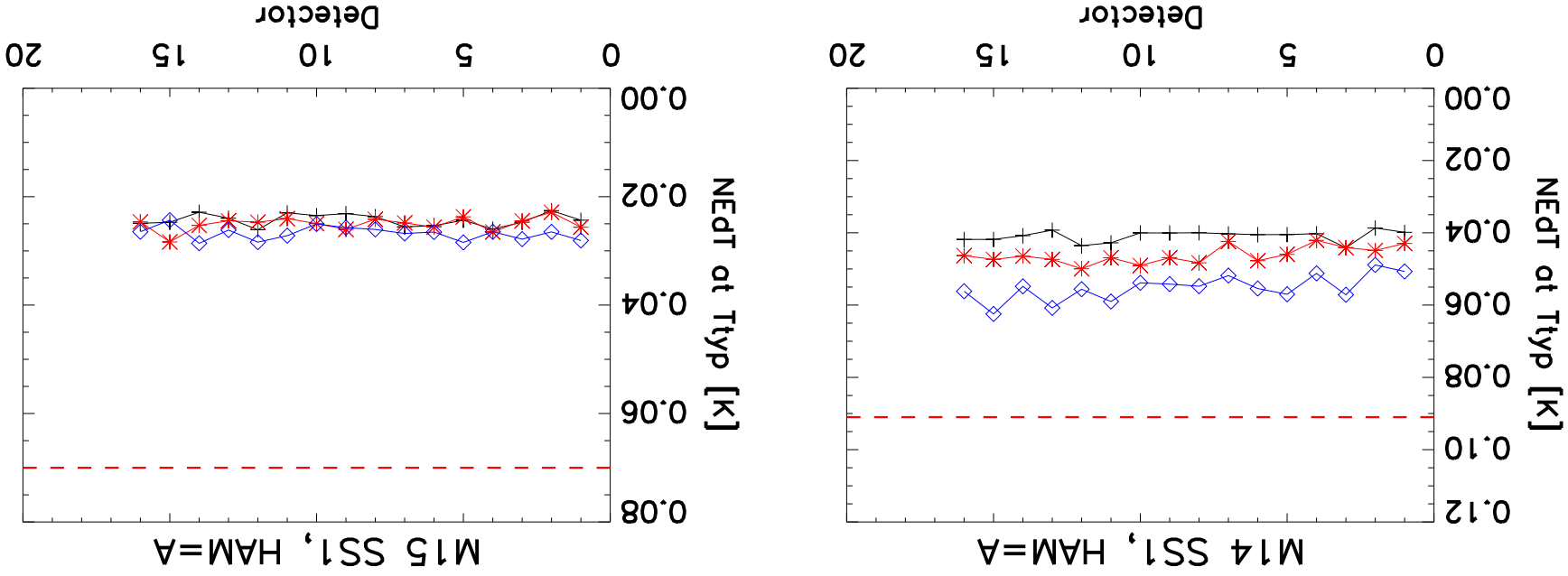
NEdT at Ttyp vs detector



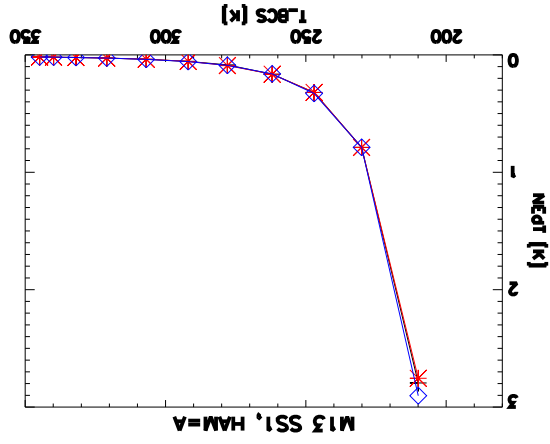
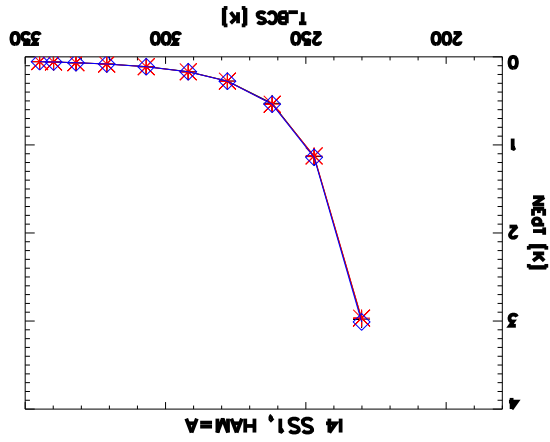
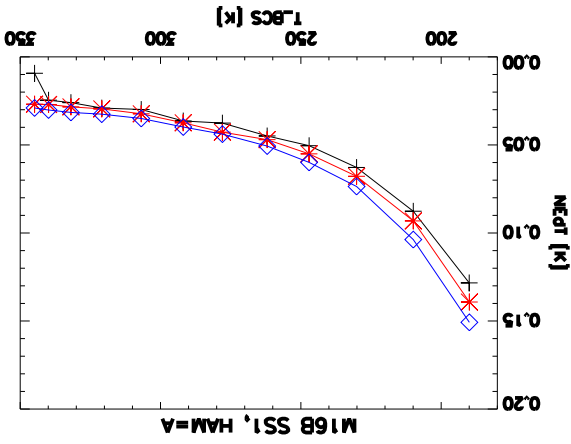
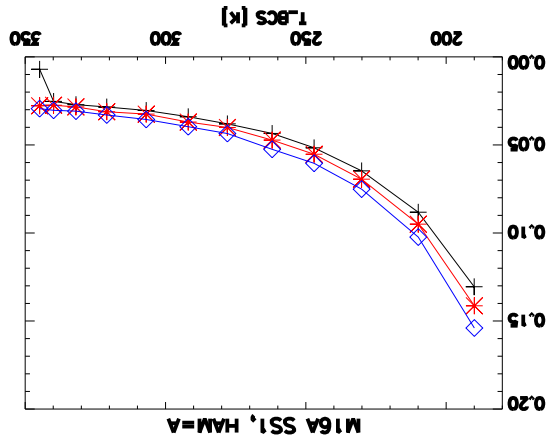
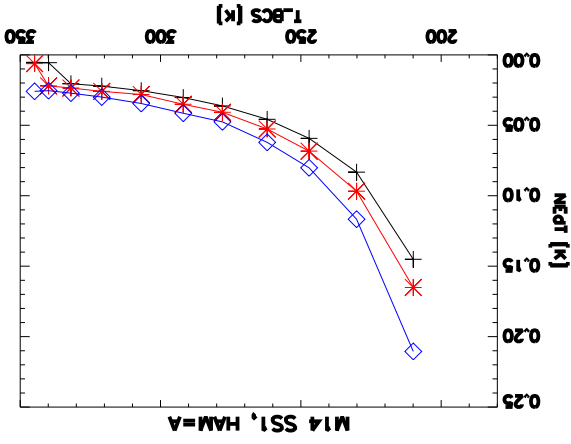
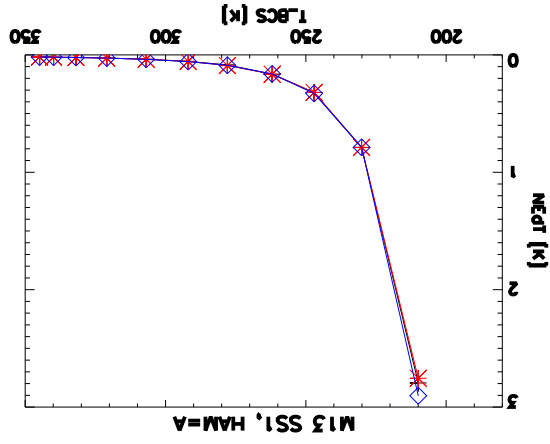
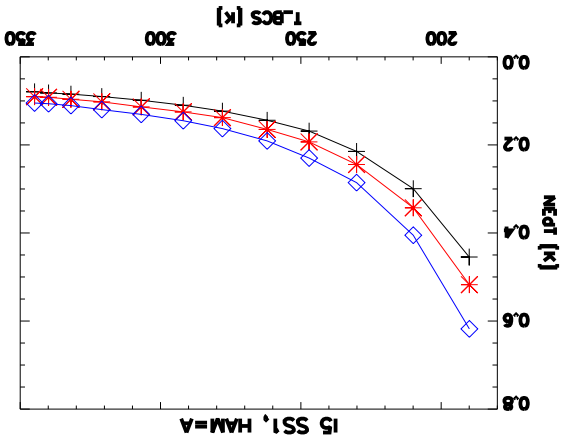
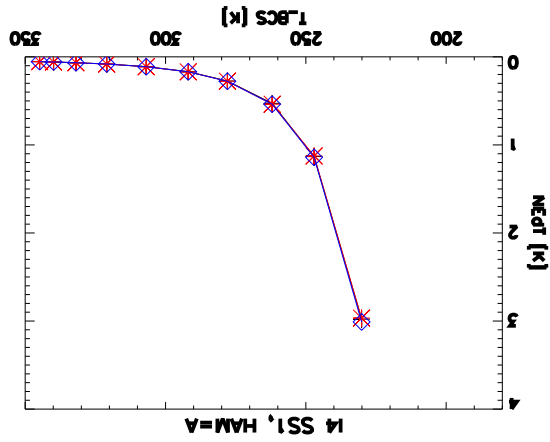
NEdT at T_{typ} vs detector



NEdT at T_{typ} vs detector

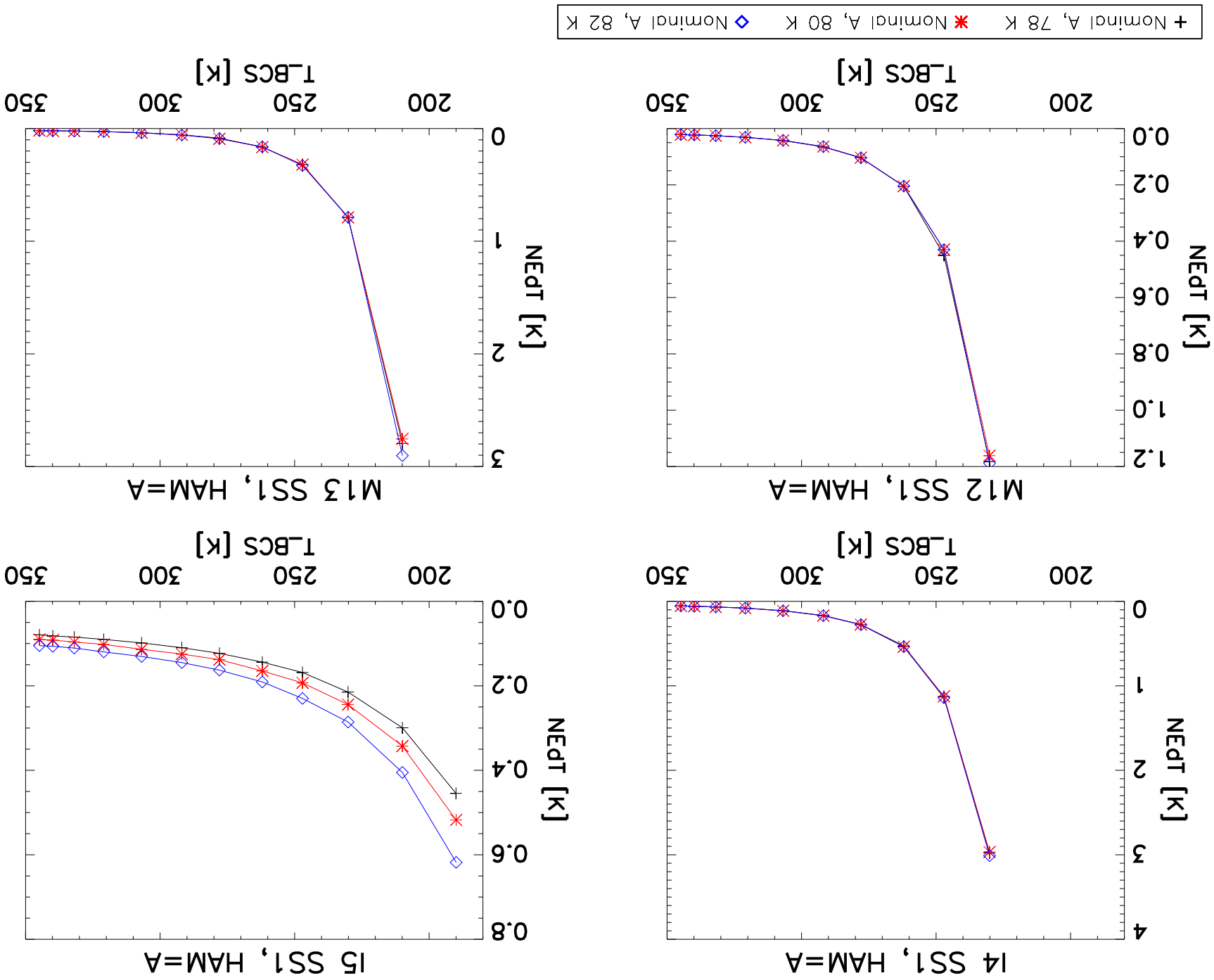


NEdT vs T_BCS

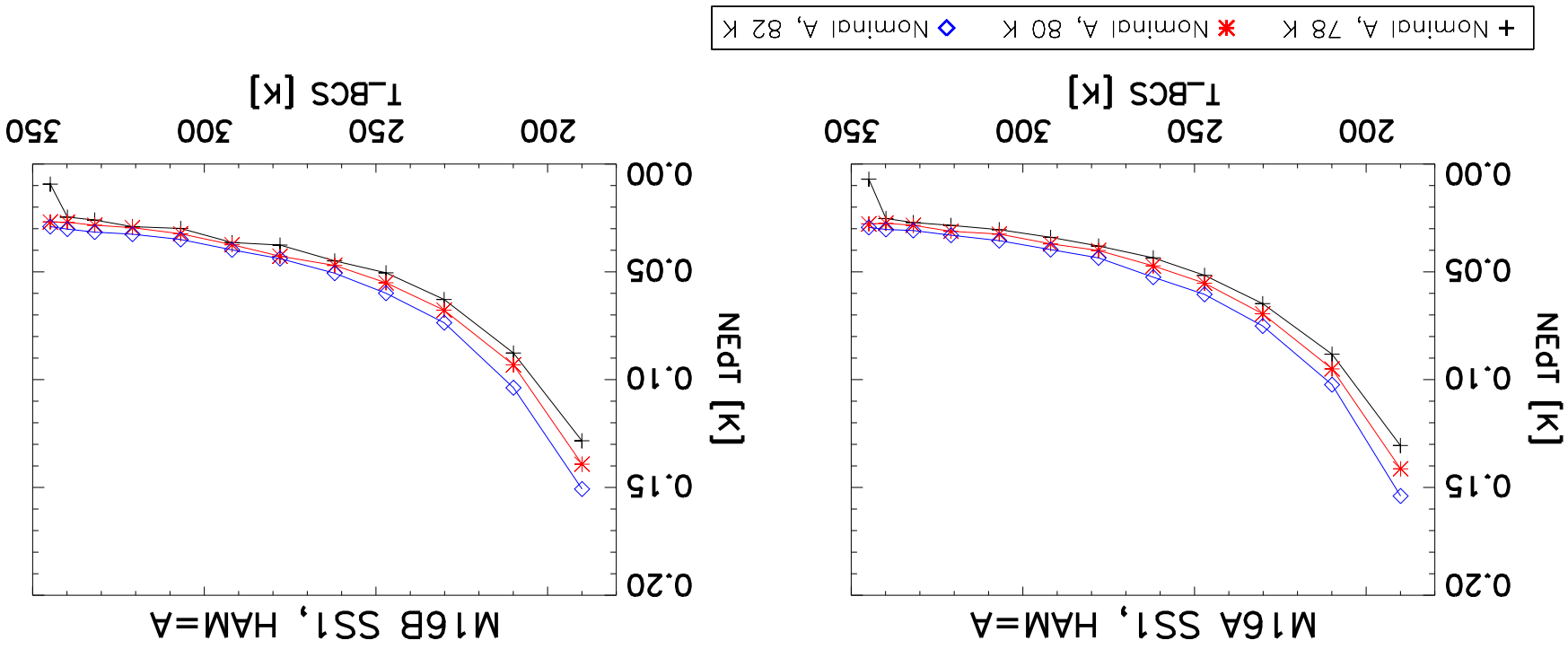
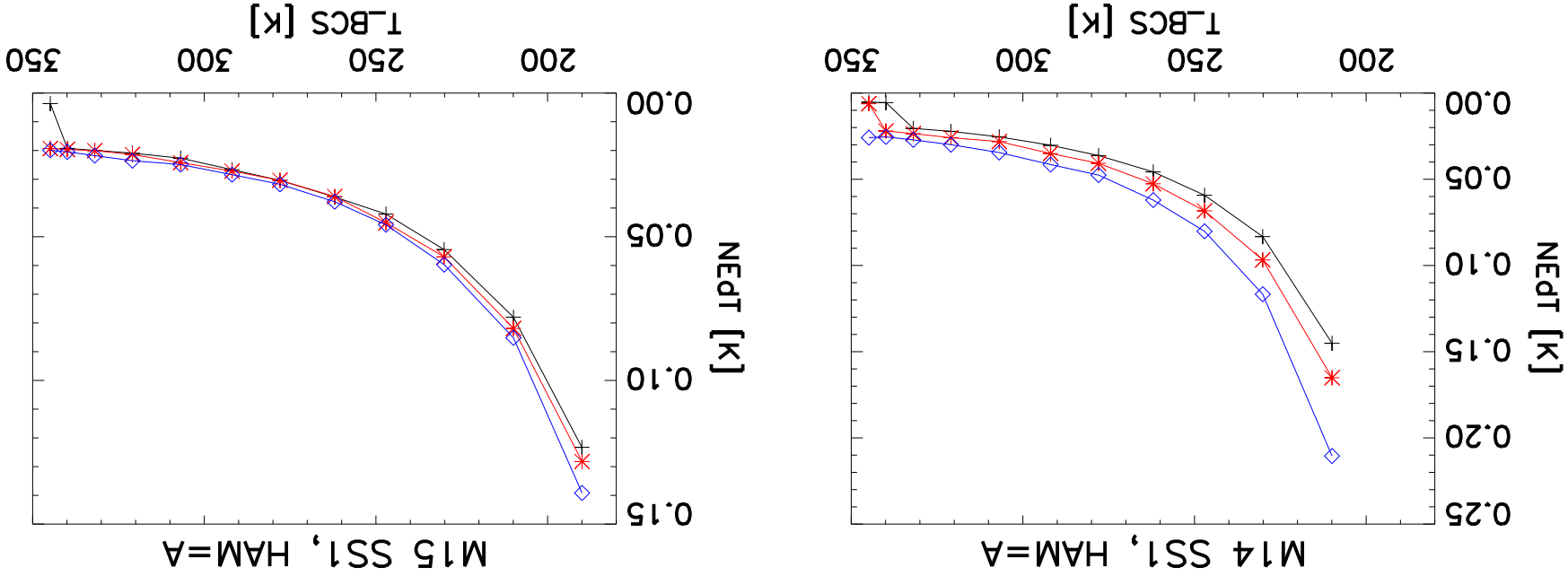


+ Nominal A, 78 K
 * Nominal A, 80 K
 ◇ Nominal A, 82 K

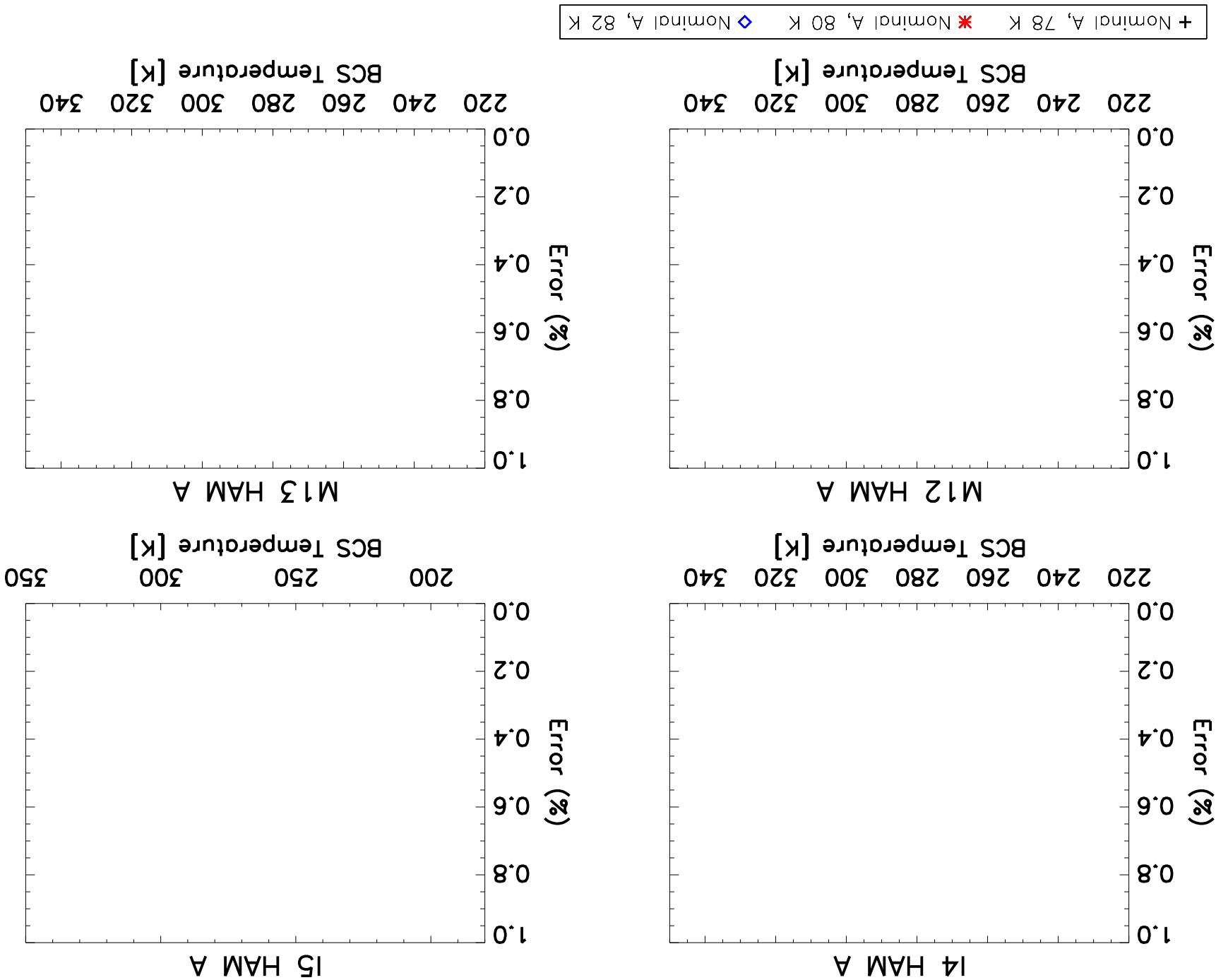
NEdT vs T-BCS



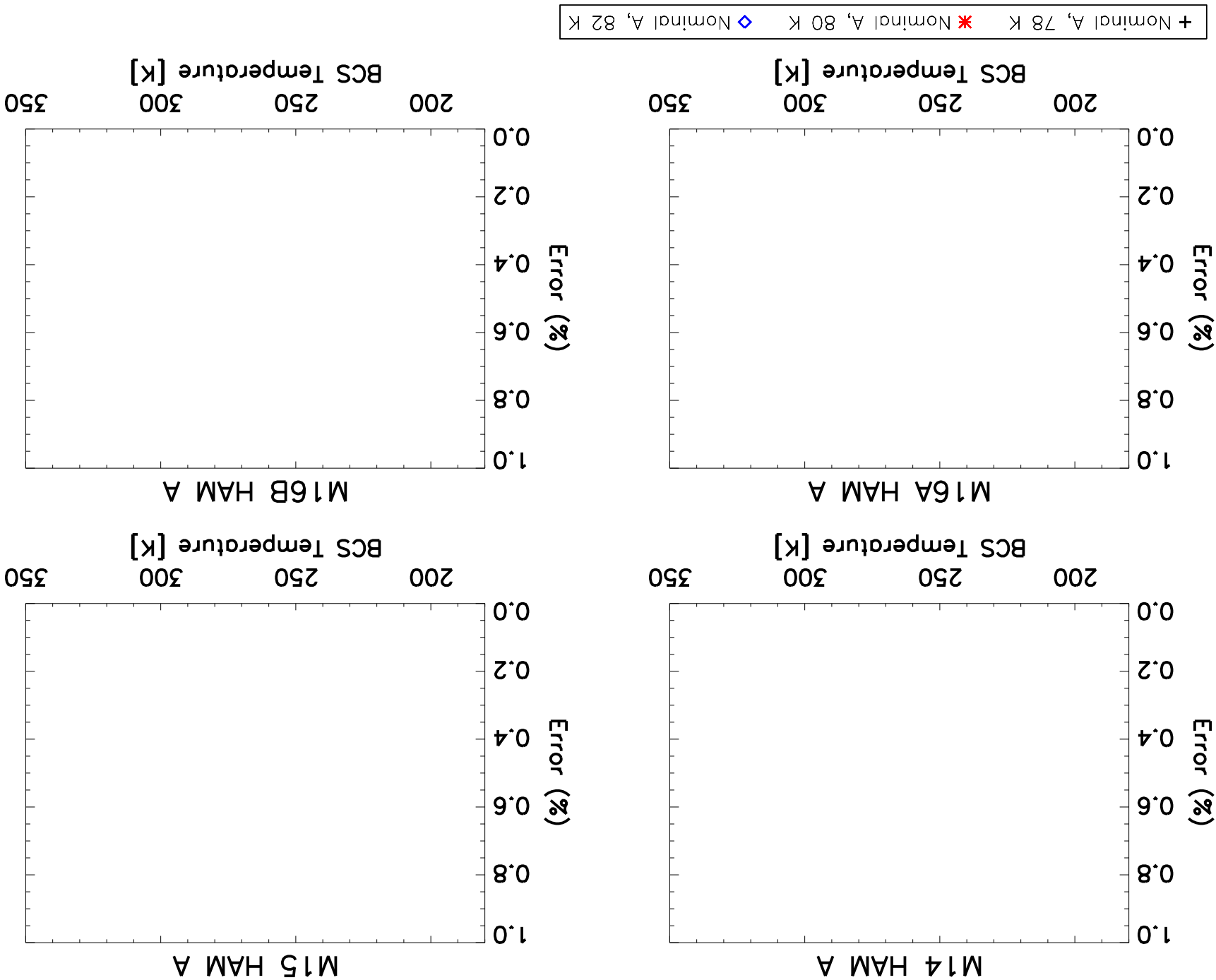
NEdT vs T_{BCS}



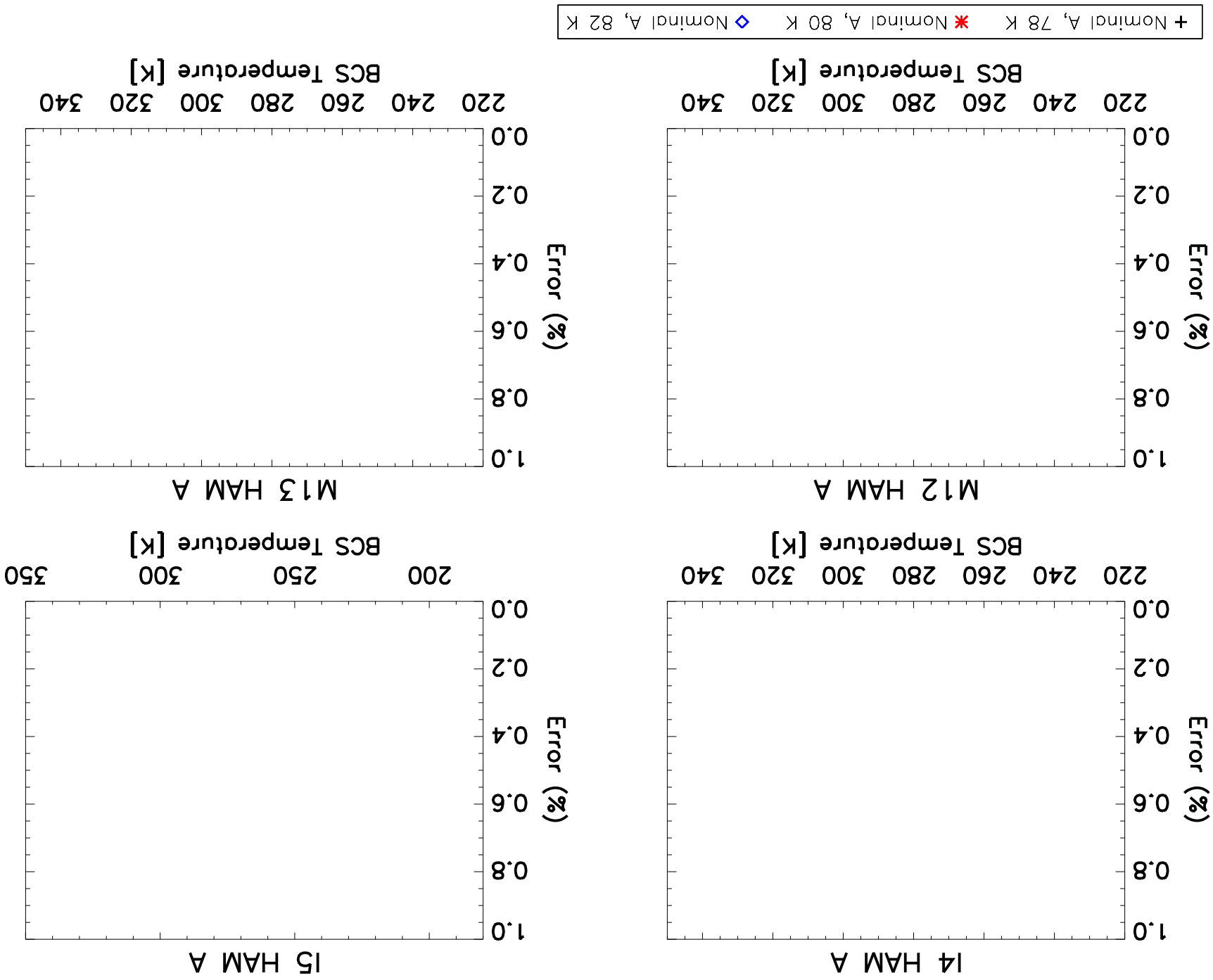
Baseline Percent Error in L_{ret} vs T_{BCS}



Baseline Percent Error in L_{ret} vs T_{BCS}



Worst Case Percent Error in L_{ret} vs T_{BCS}



Worst Case Percent Error in L_{ret} vs T_{BCS}

