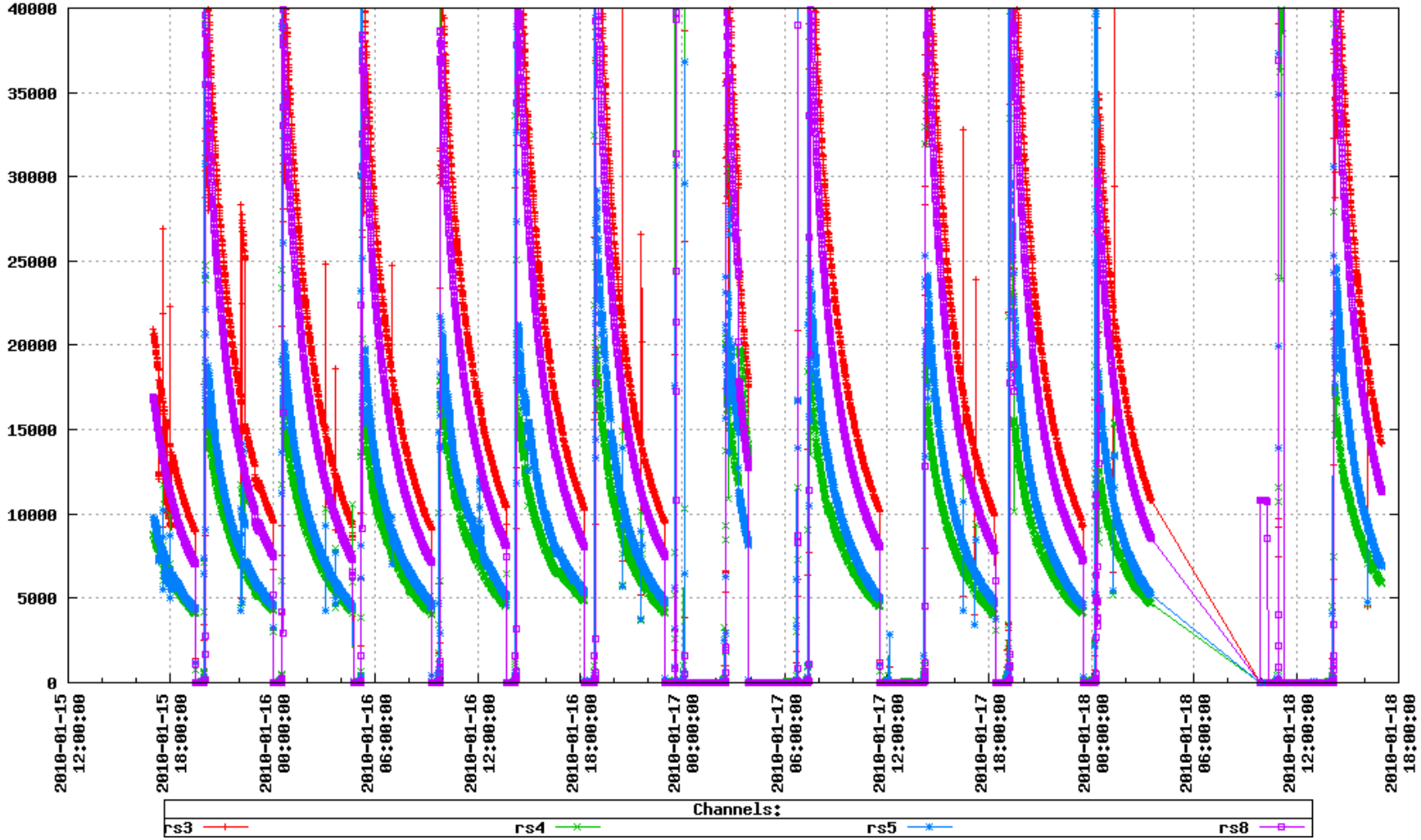
Collisions rates, and few background signals, 1/15 -1/18, 2010 (MLK wkend)



BBC coincidence rate

Yellow Beam background

Blue Beam background

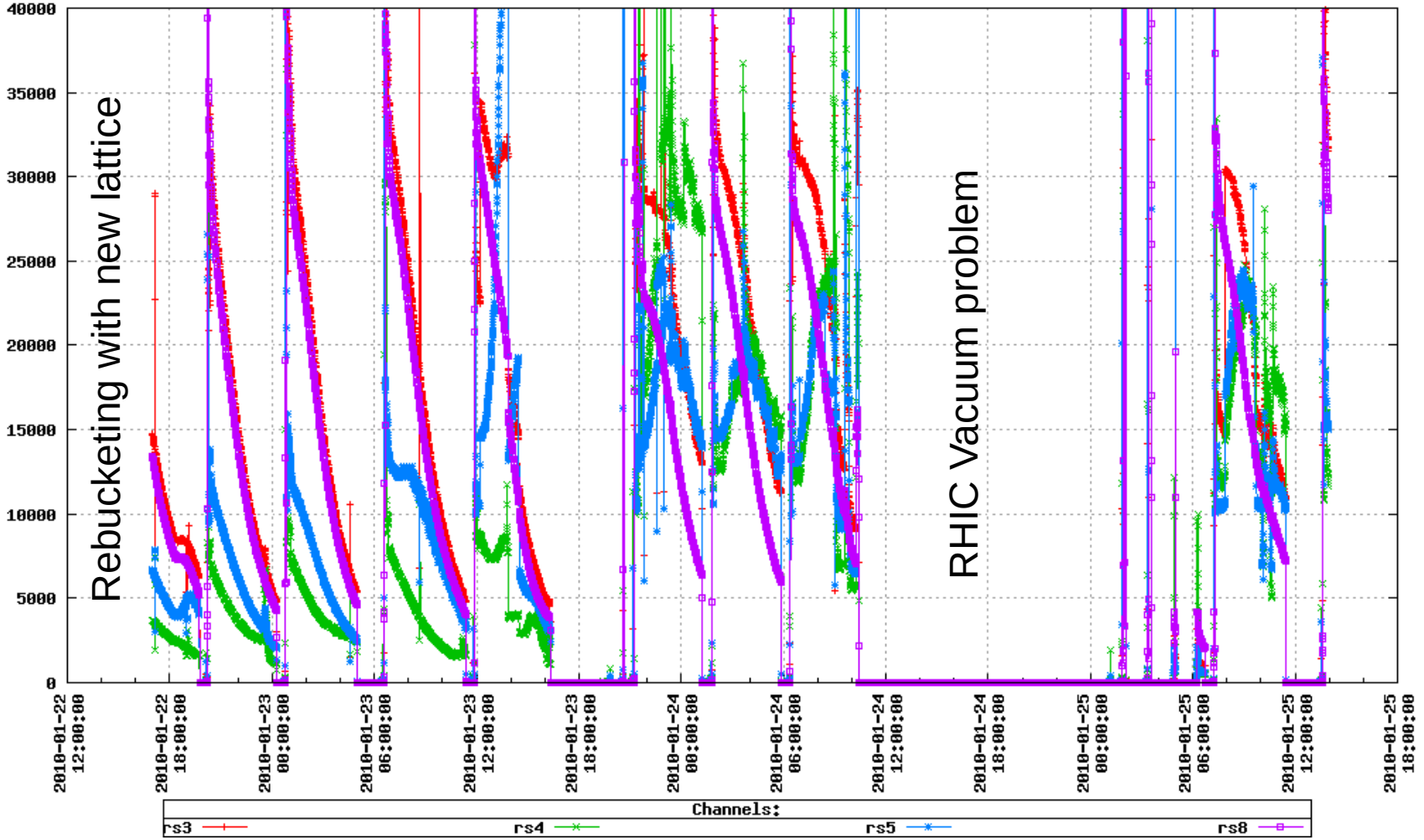
ZDC coincidence rate

No rebucketing and no stochastic cooling.

STAR tuned for optimum data taking efficiency.

Shift crews work on efficient data taking.

Collisions rates, and few background signals, 1/22 -1/25, 2010



BBC coincidence rate

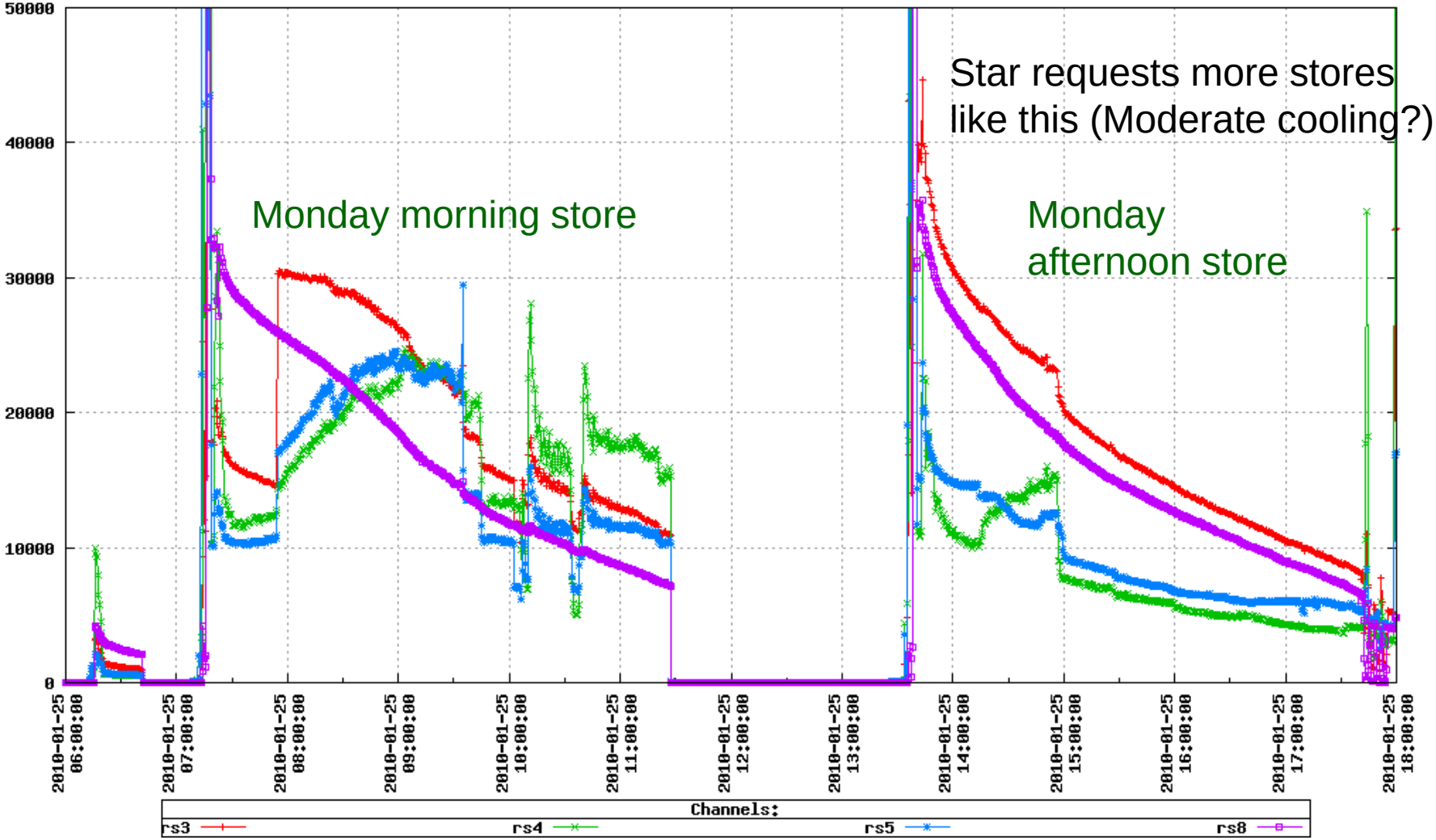
Yellow Beam background

Blue Beam background

ZDC coincidence rate

With rebucketing and stochastic cooling in Yellow.

Collisions rates, and few background signals, 1/25, 2010



BBC coincidence rate

Yellow Beam background

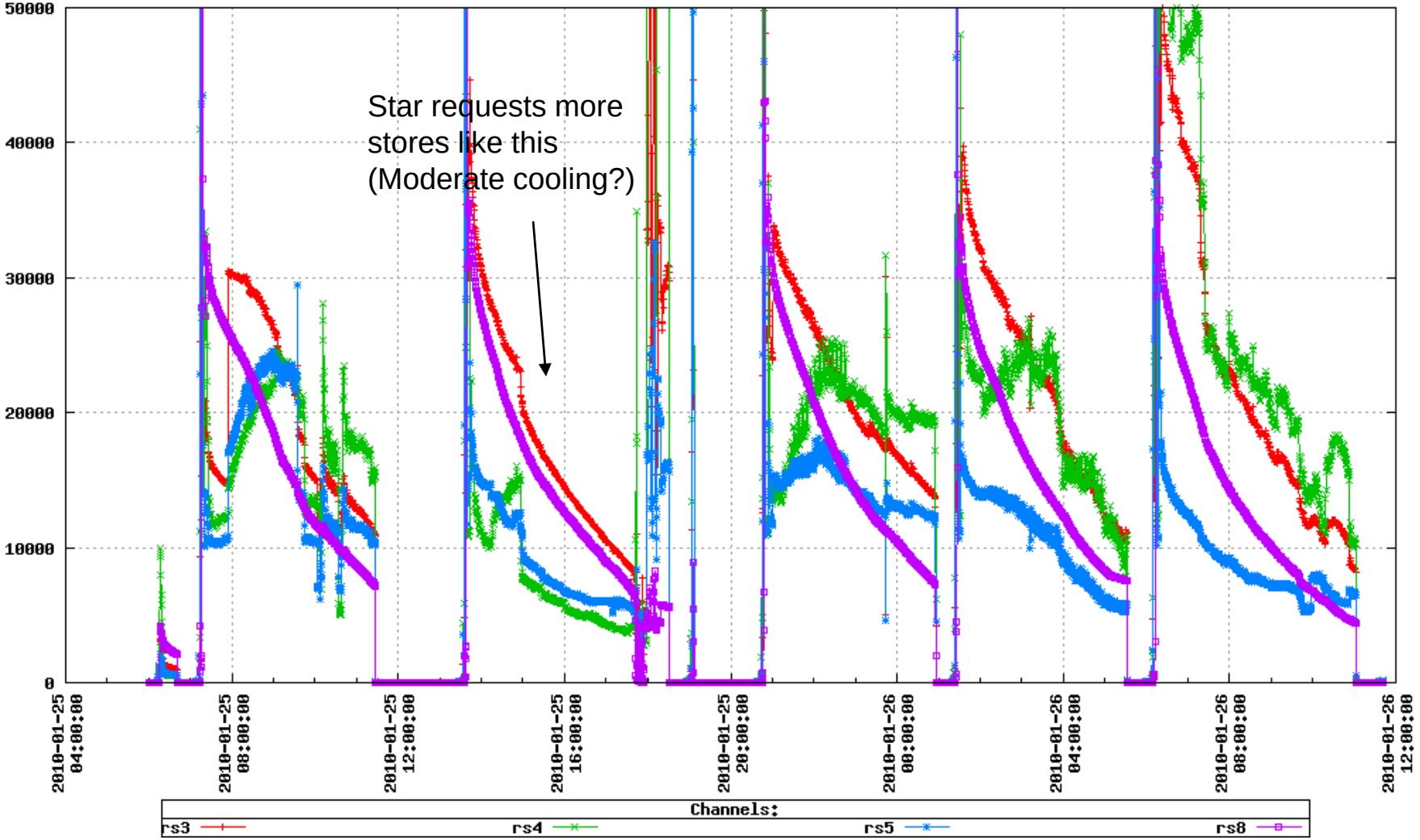
Blue Beam background

ZDC coincidence rate

The large backgrounds lead STAR to decrease the rate that we take events by up to ~ 40%.

The varying conditions lead to Shift crew inefficiencies as they work to adapt to dynamic conditions.

Collisions rates, and few background signals, 1/25, 2010



BBC coincidence rate

Yellow Beam background

Blue Beam background

ZDC coincidence rate

- The large backgrounds lead STAR to decrease the rate that we take events by up to ~ 40%.
- The varying conditions lead to Shift crew inefficiencies as they work to adapt to dynamic conditions.