R=ZNC/28 rate [Hz] (red=PilUp Corrected)
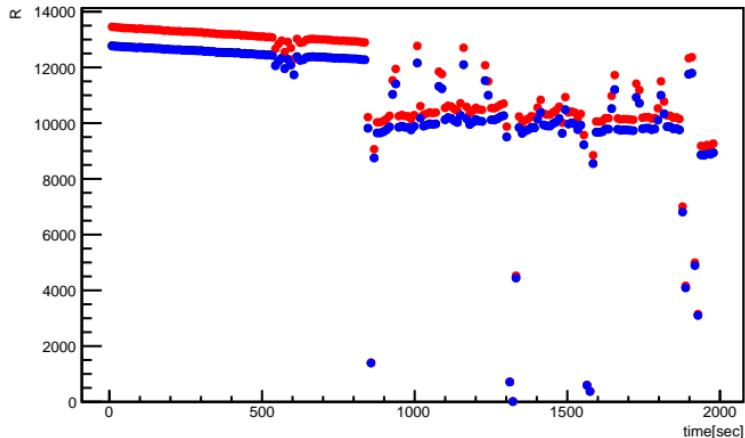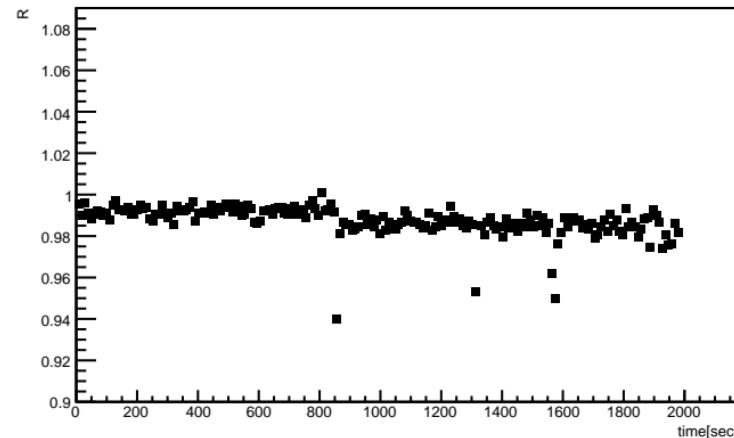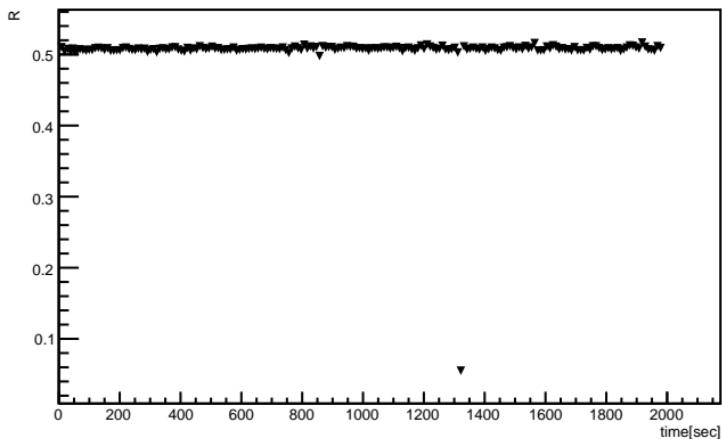
R=(TSC+TCE)*TVTX*B*28/ZNC

R=(TCE)*TVTX*B*28/ZNC

R=(VCH)*TVTX*B*28/ZNC