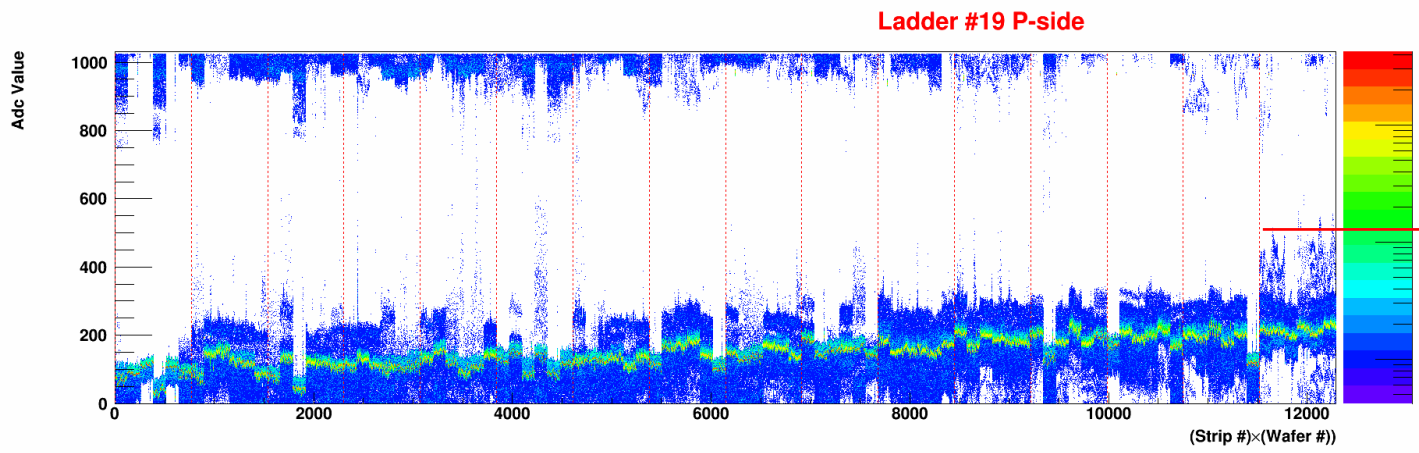


Pedestal subtraction

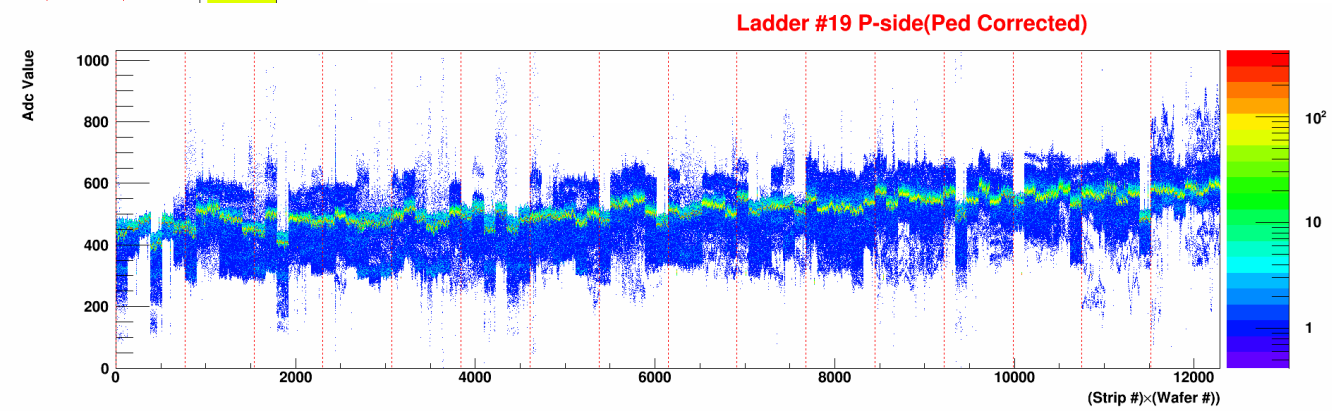
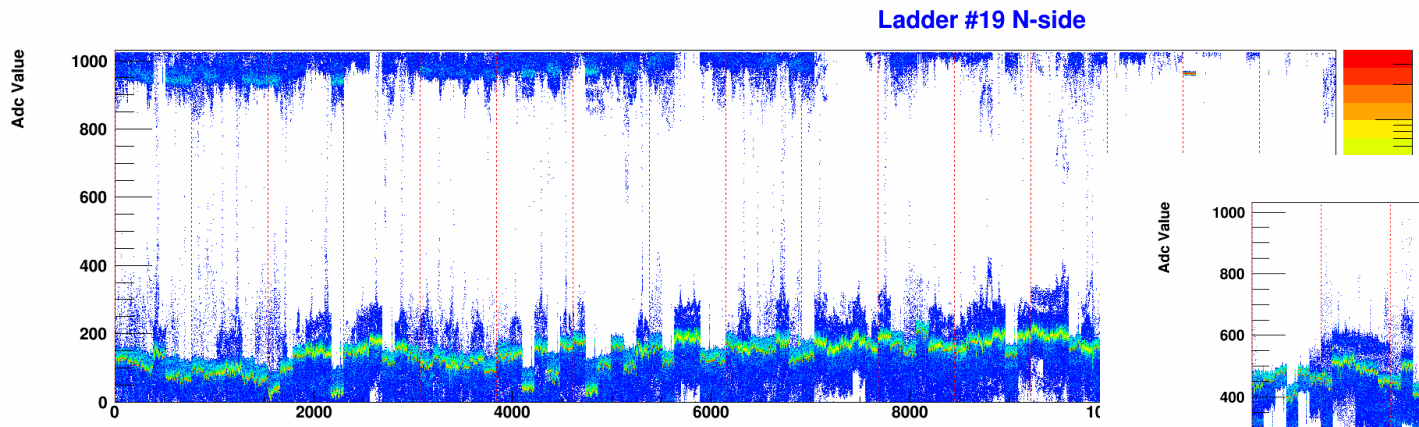
Long

Dataset

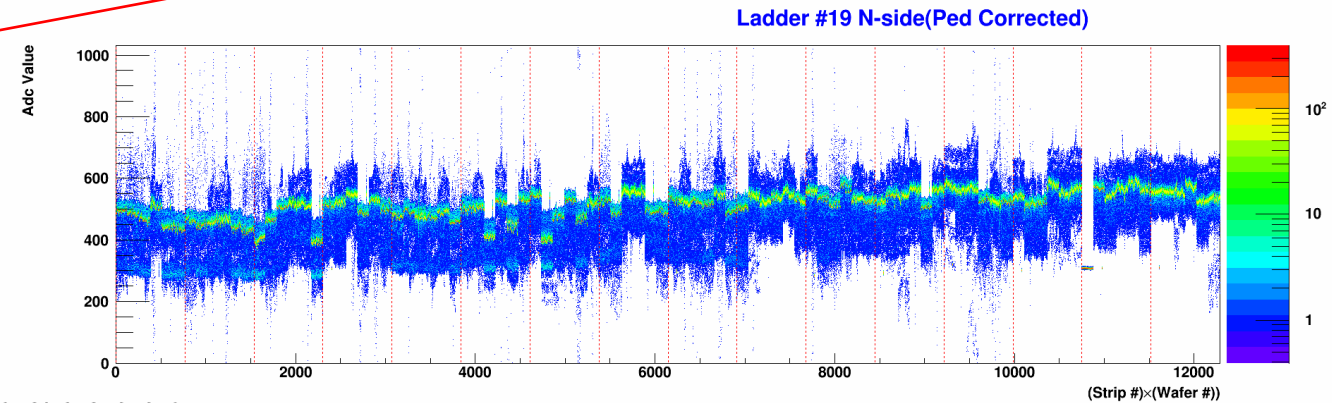
- Pedestal: Run No. 15034122
- Cosmic Data:
 - Run No. 15034132
- Pedestal subtraction procedure:
 1. Shift mean pedestal to the middle($\langle \text{pedestal} \rangle + \text{correct_factor} = 512$),and do wrap round correction.
 2. Calculate pedestal value(use fit slice to get mean pedestal and rms)
 3. Shift cosmic data with the same correct_factor(do wrap round correction)
 4. Do pedestal subtraction($\text{cosmic} - \langle \text{pedestal} \rangle$)



Raw pedestal distribution

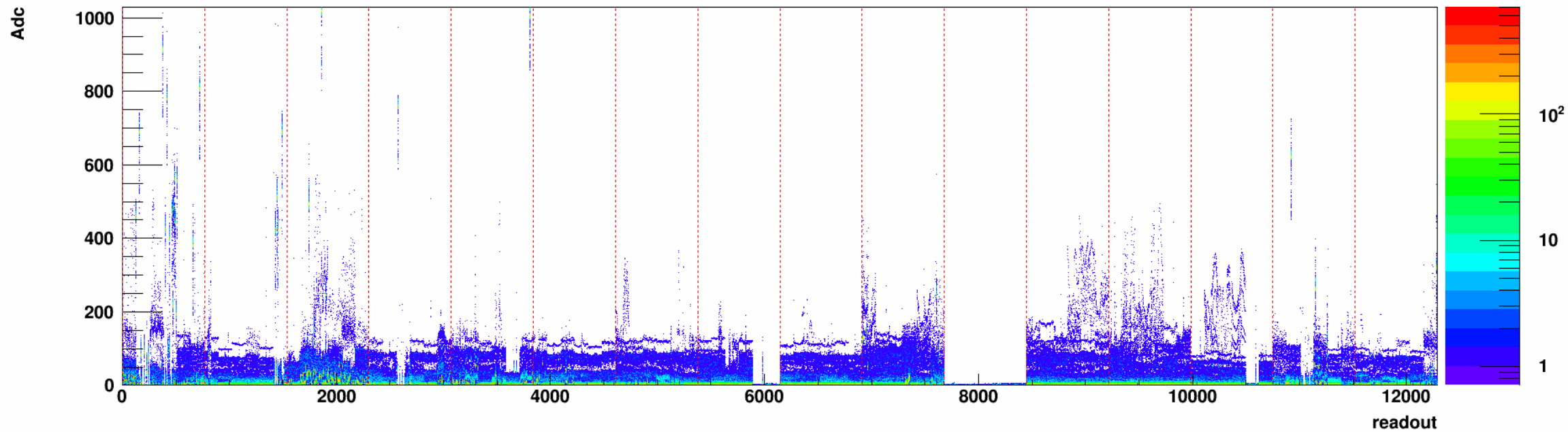


After wrap around correction

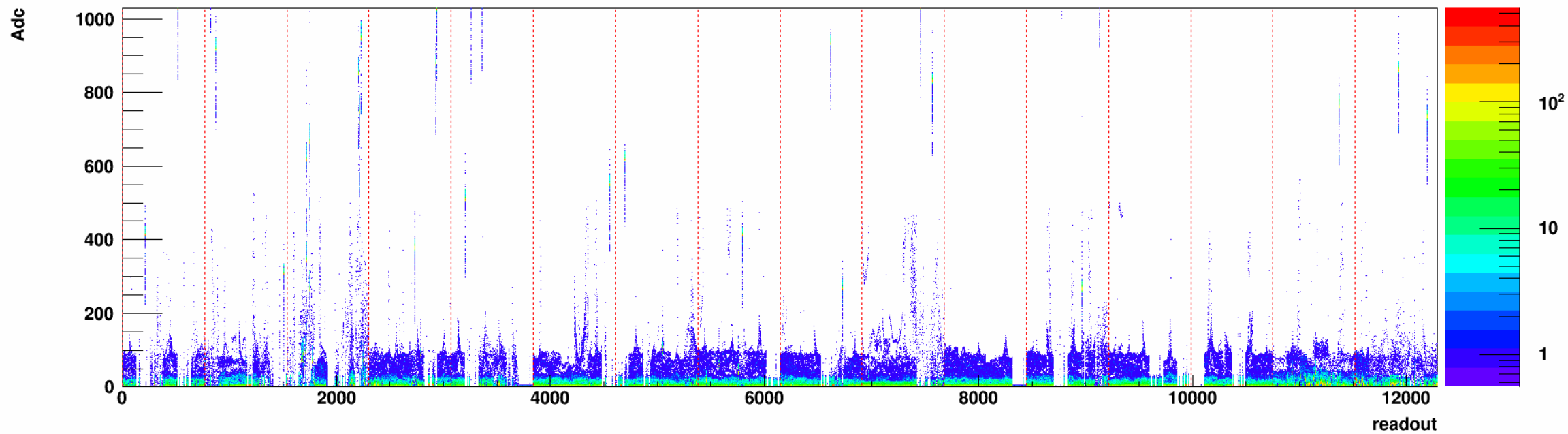


st_cosmic_adc_15034132_raw_1
000001.daq

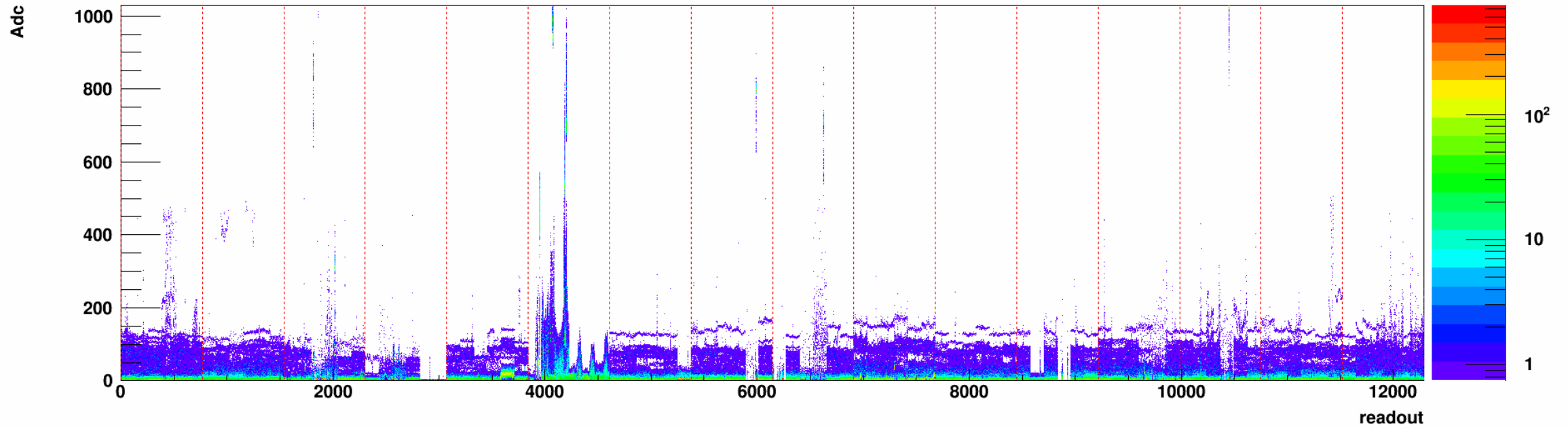
Ladder #0 P-side(Ped Subtraction)



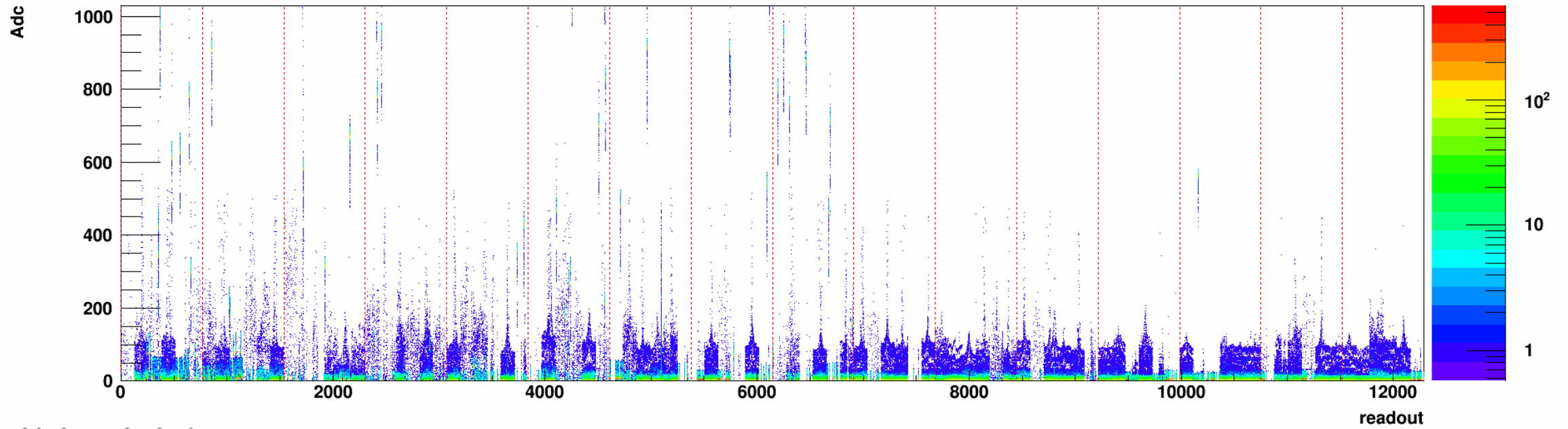
Ladder #0 N-side(Ped Subtraction)



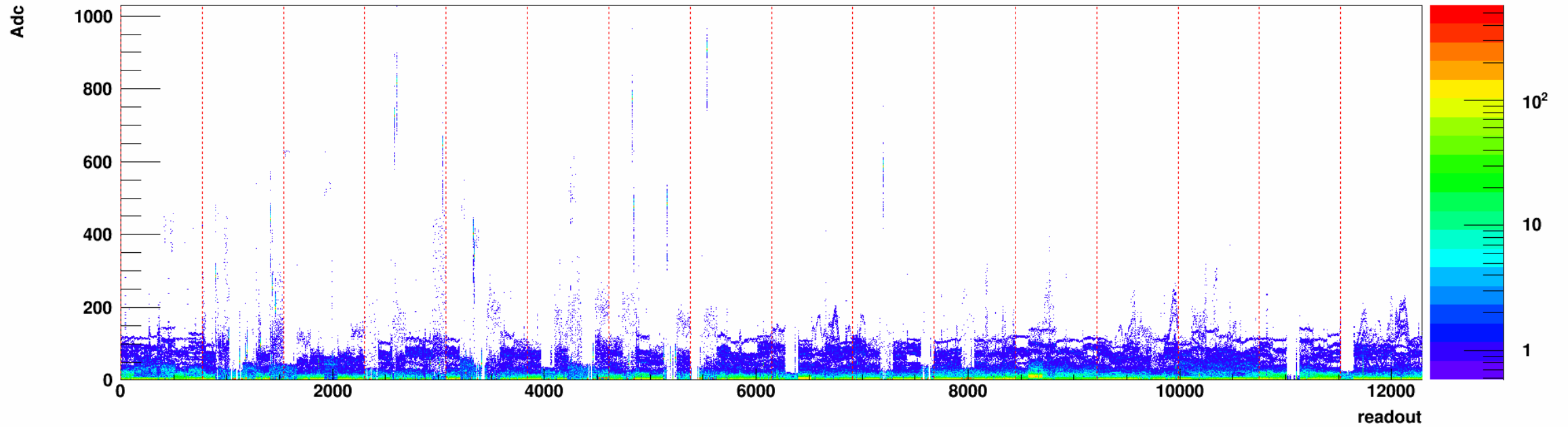
Ladder #1 P-side(Ped Subtraction)



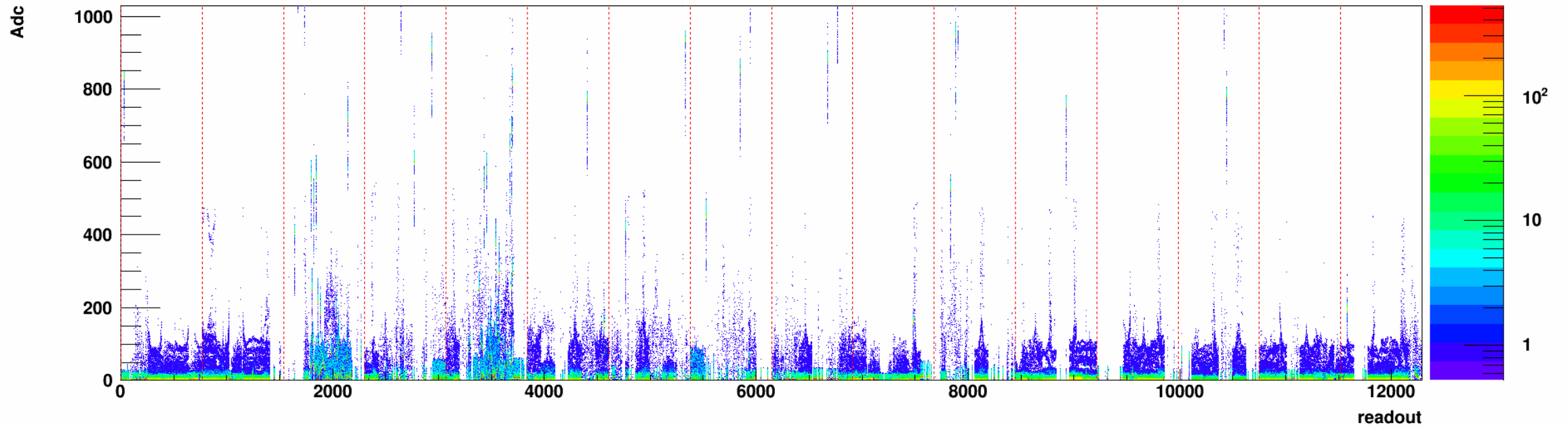
Ladder #1 N-side(Ped Subtraction)



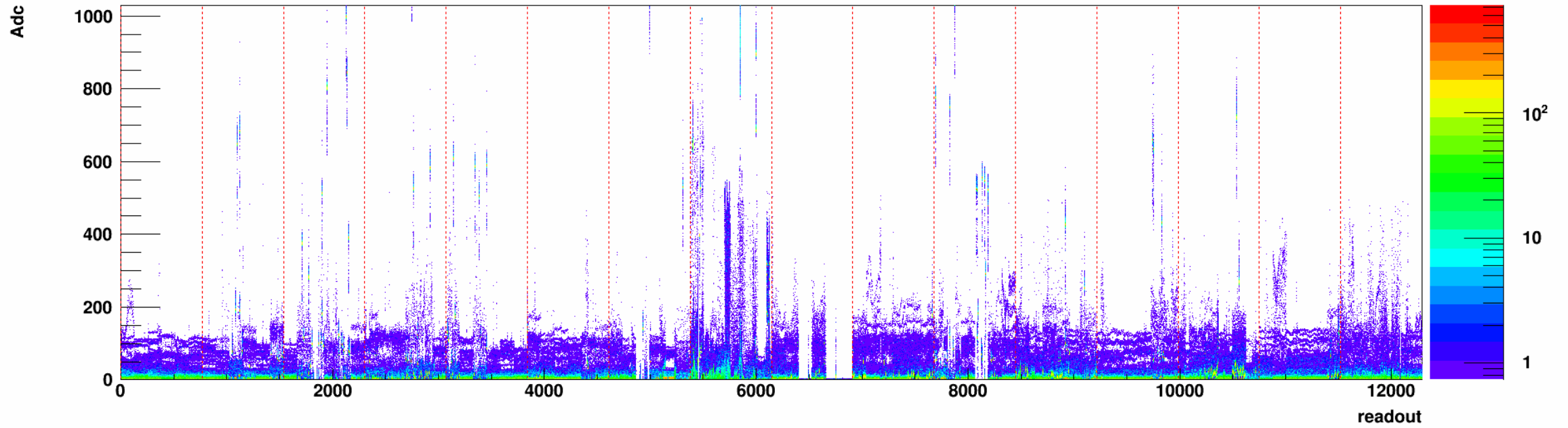
Ladder #2 P-side(Ped Subtraction)



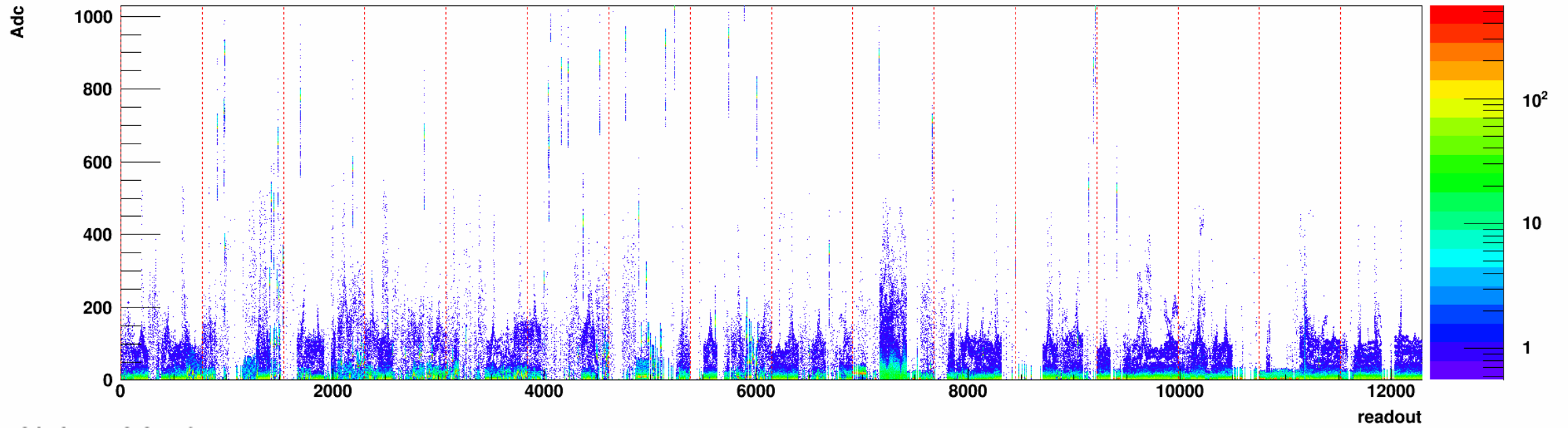
Ladder #2 N-side(Ped Subtraction)



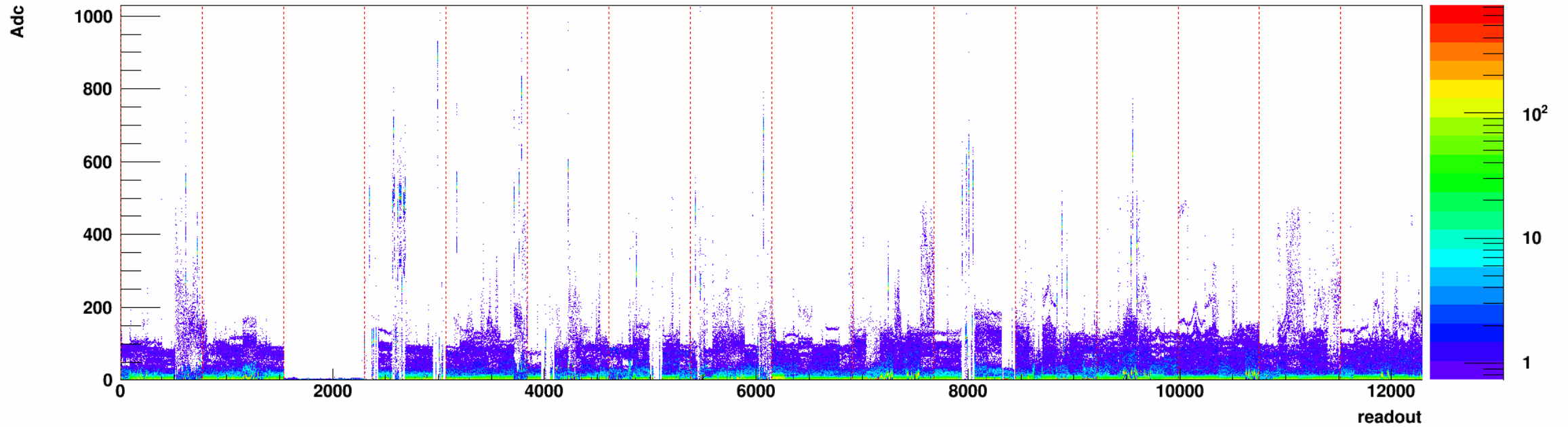
Ladder #3 P-side(Ped Subtraction)



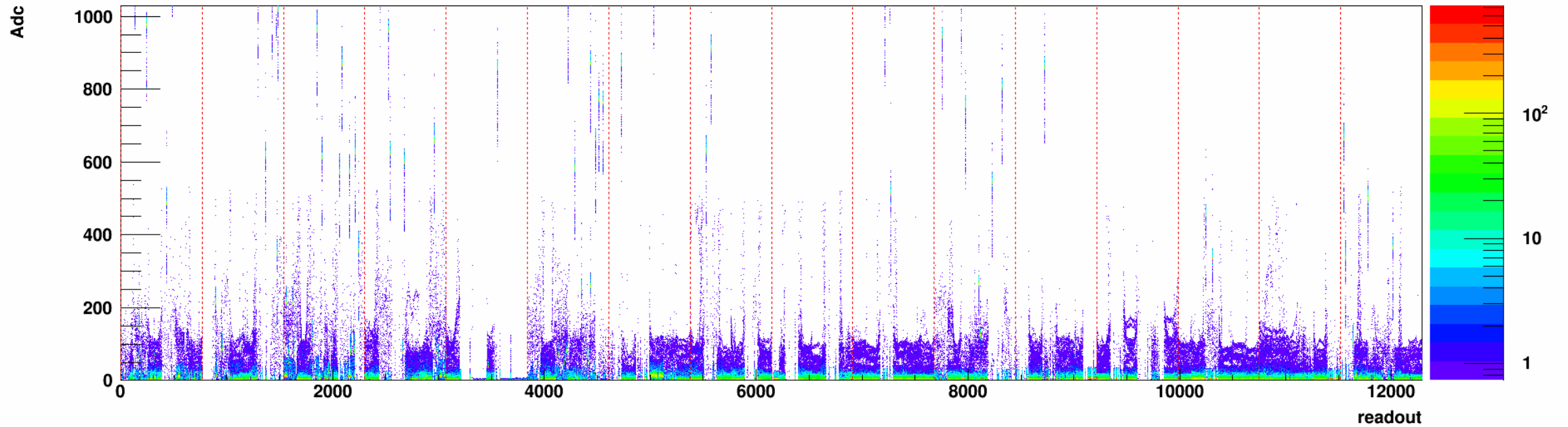
Ladder #3 N-side(Ped Subtraction)



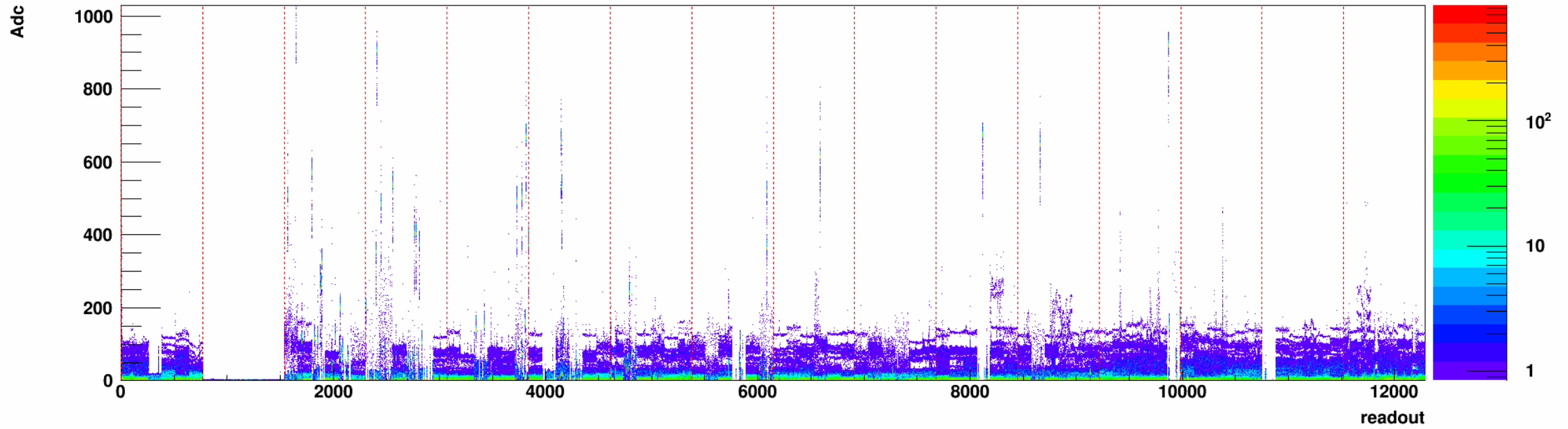
Ladder #4 P-side(Ped Subtraction)



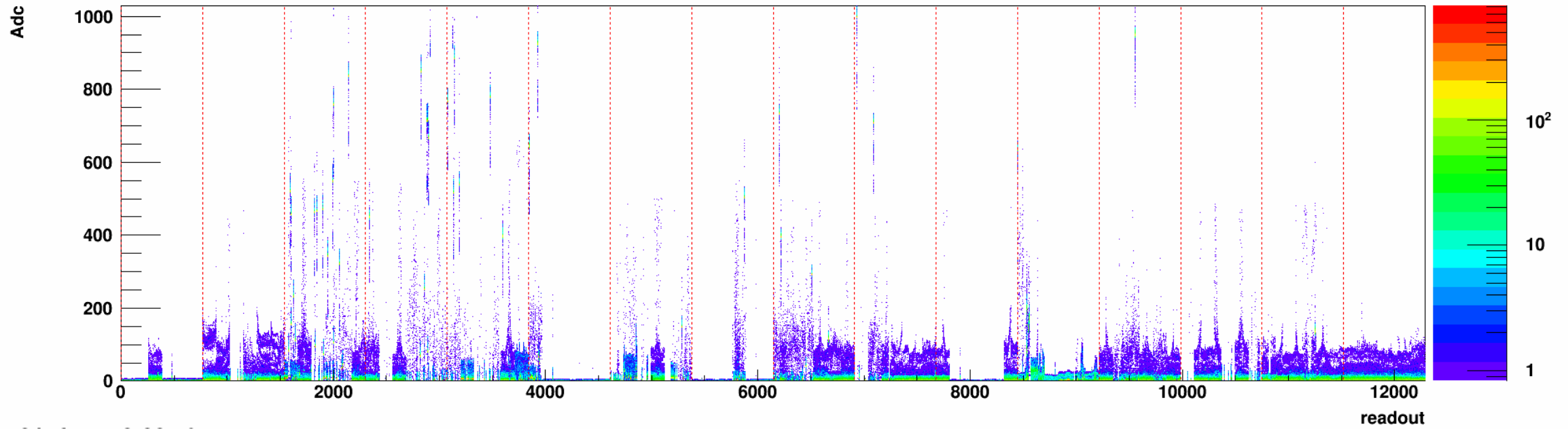
Ladder #4 N-side(Ped Subtraction)



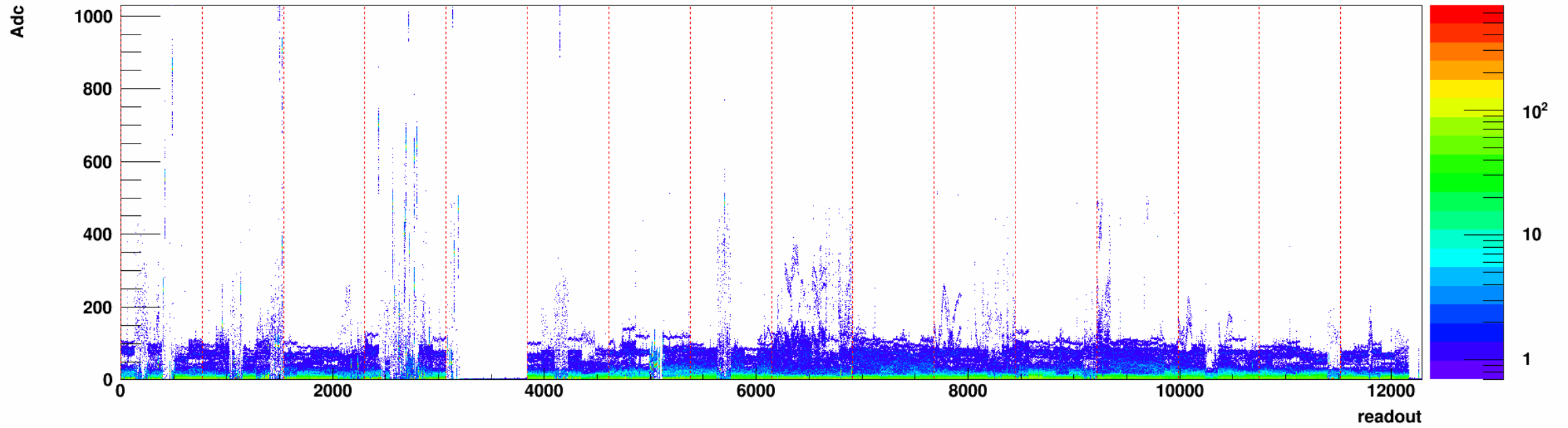
Ladder #5 P-side(Ped Subtraction)



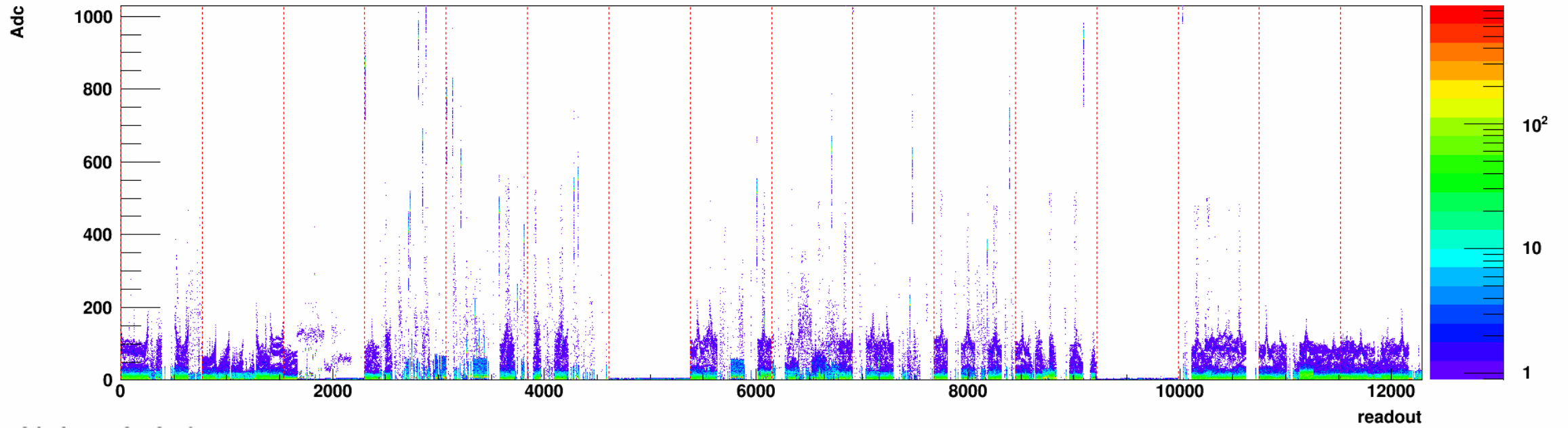
Ladder #5 N-side(Ped Subtraction)



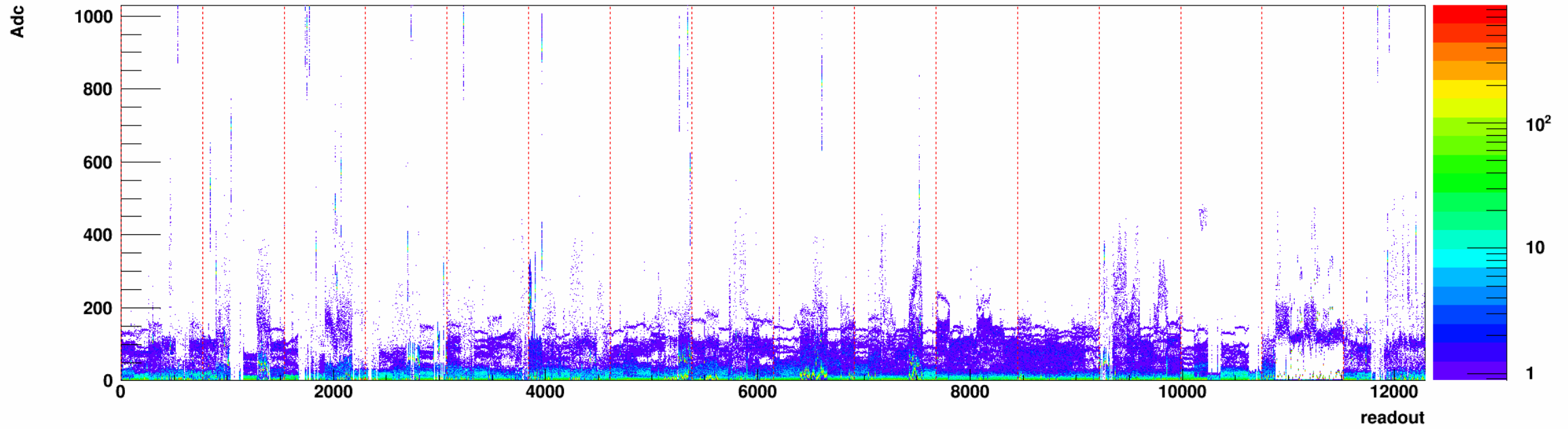
Ladder #6 P-side(Ped Subtraction)



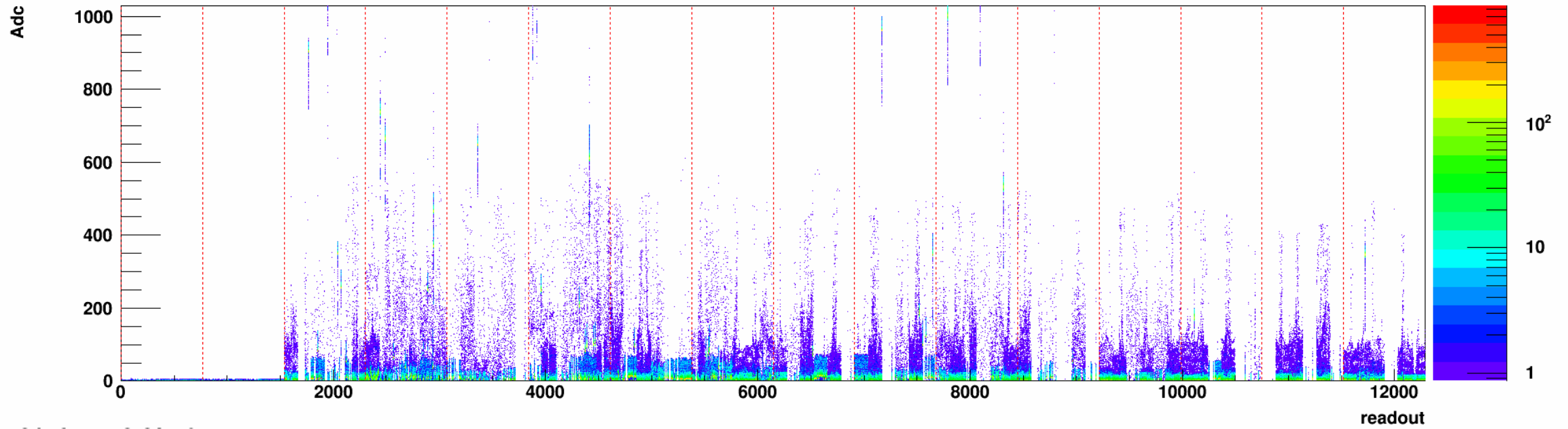
Ladder #6 N-side(Ped Subtraction)



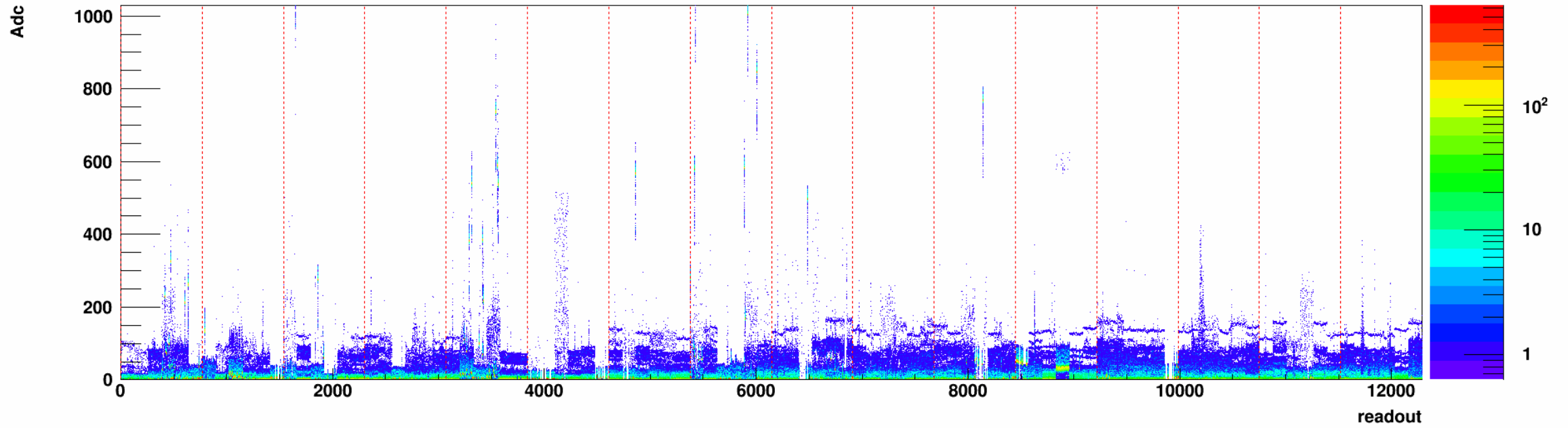
Ladder #7 P-side(Ped Subtraction)



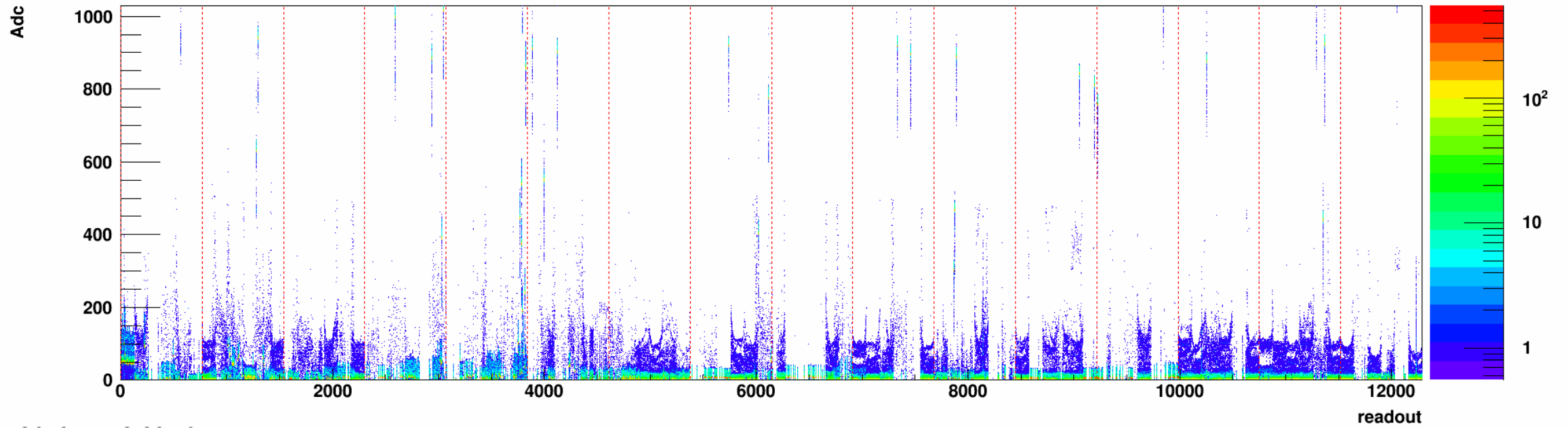
Ladder #7 N-side(Ped Subtraction)



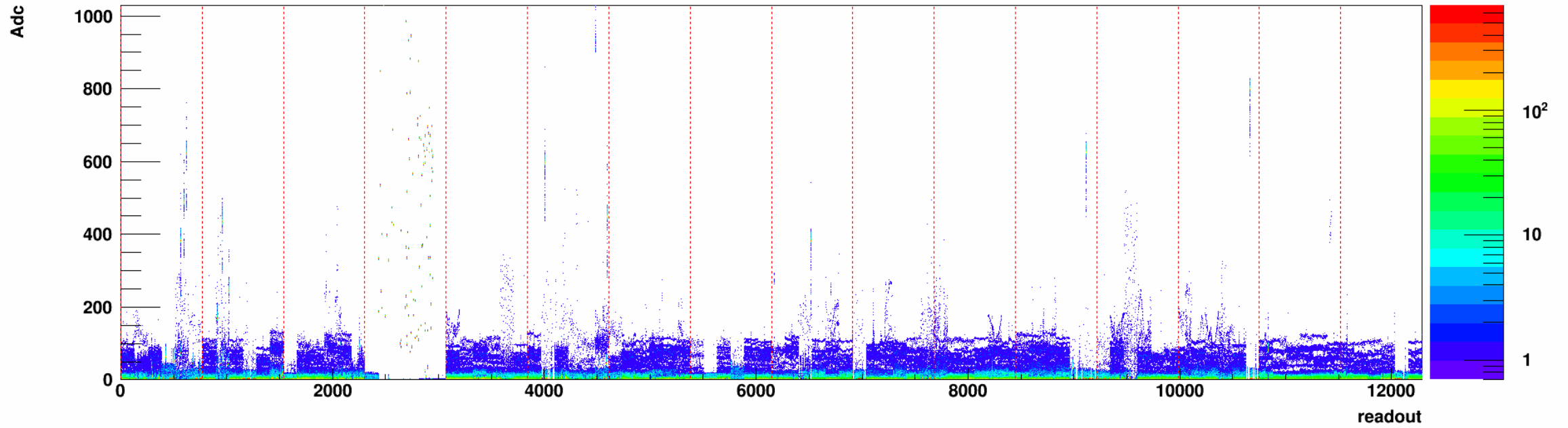
Ladder #8 P-side(Ped Subtraction)



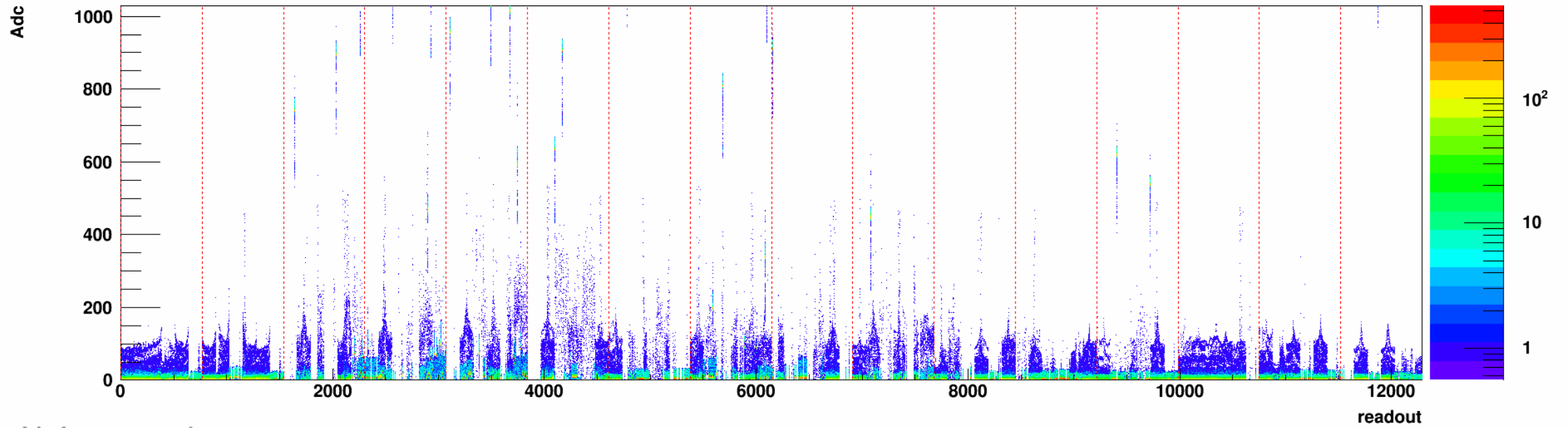
Ladder #8 N-side(Ped Subtraction)



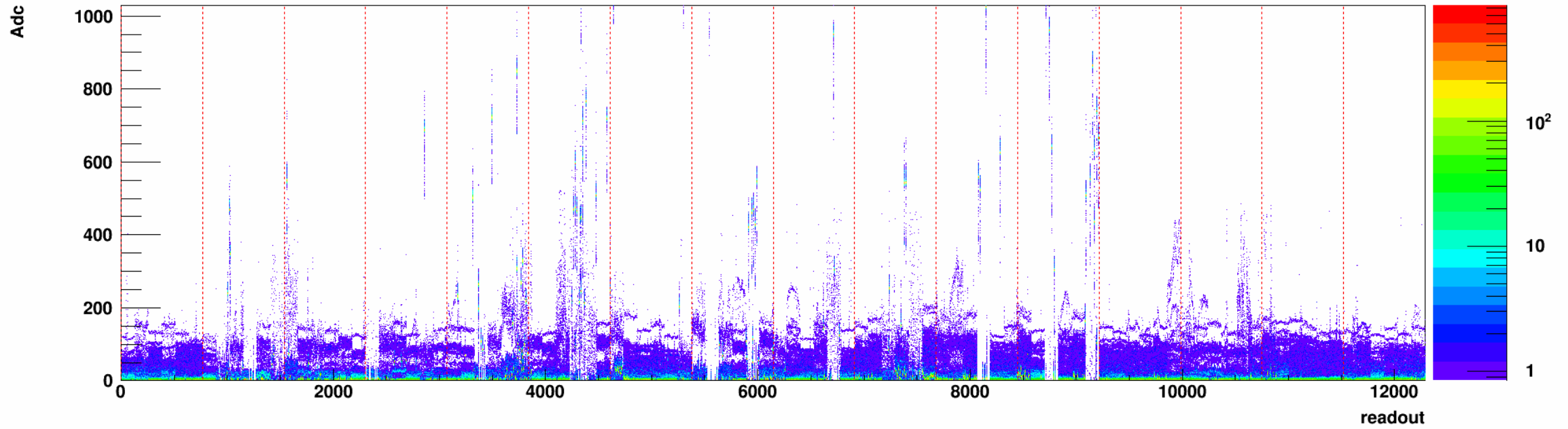
Ladder #9 P-side(Ped Subtraction)



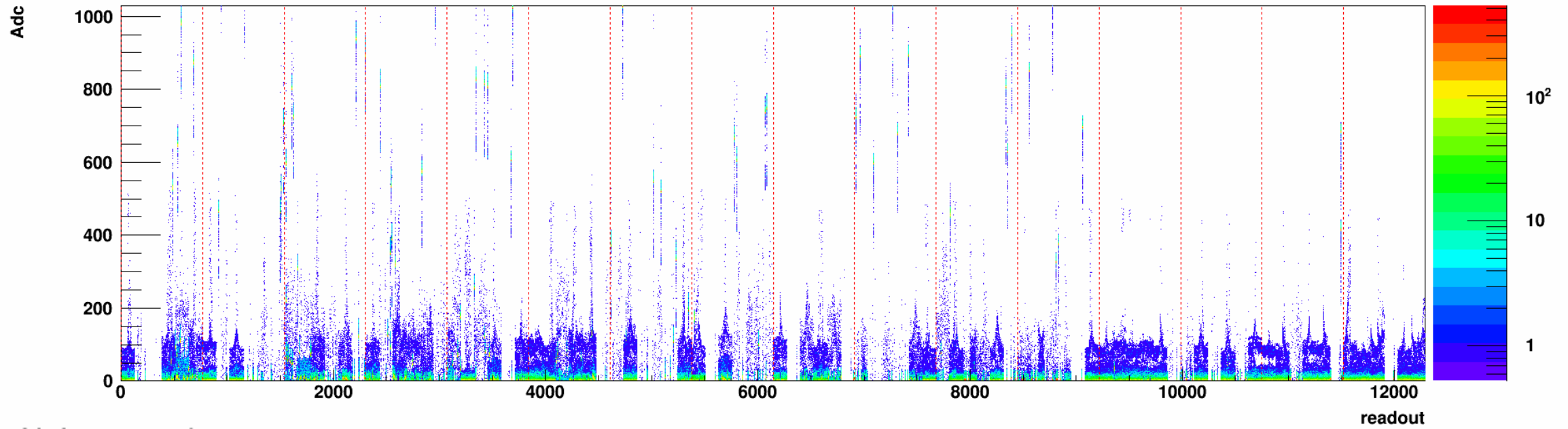
Ladder #9 N-side(Ped Subtraction)



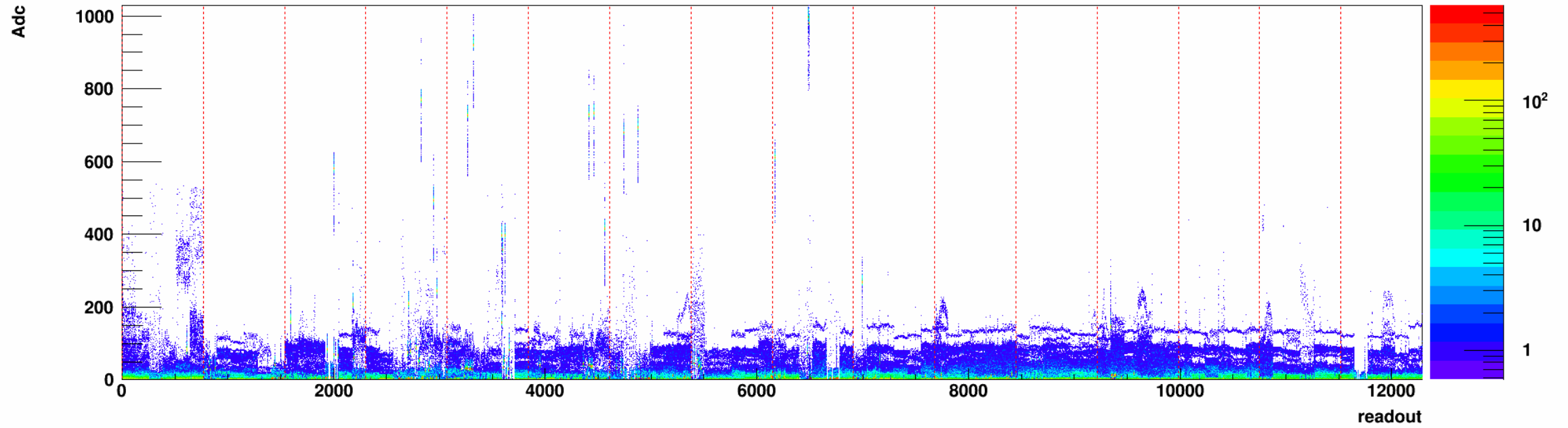
Ladder #10 P-side(Ped Subtraction)



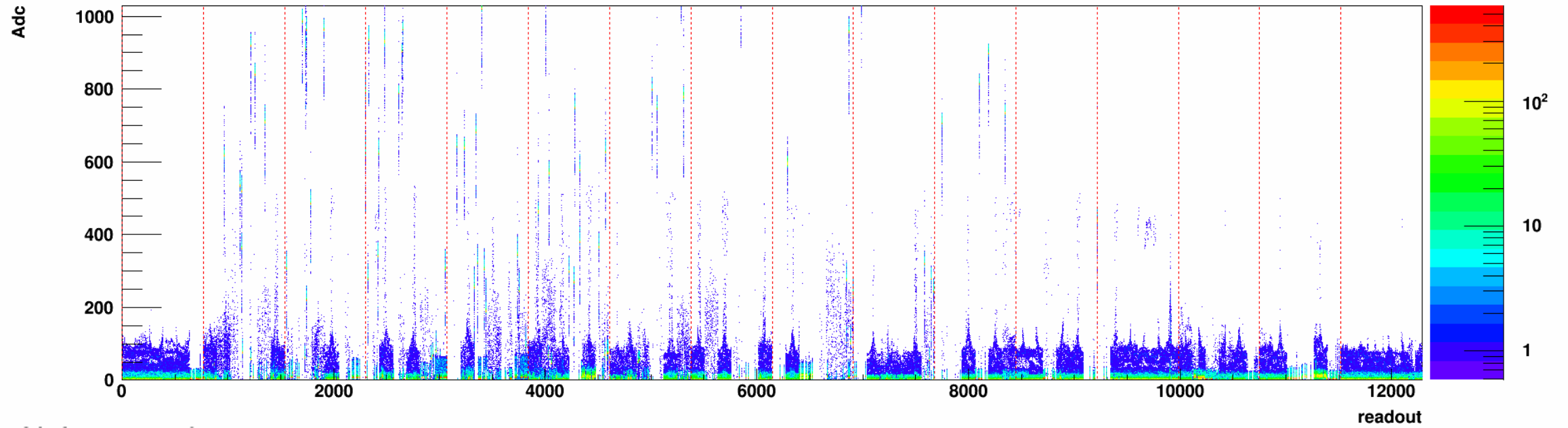
Ladder #10 N-side(Ped Subtraction)



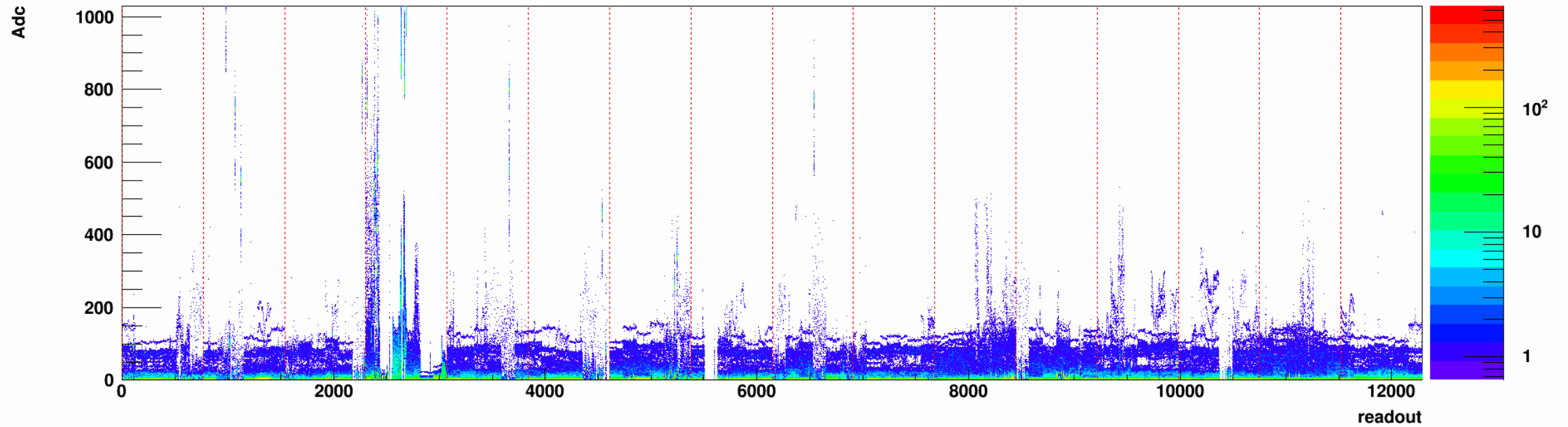
Ladder #11 P-side(Ped Subtraction)



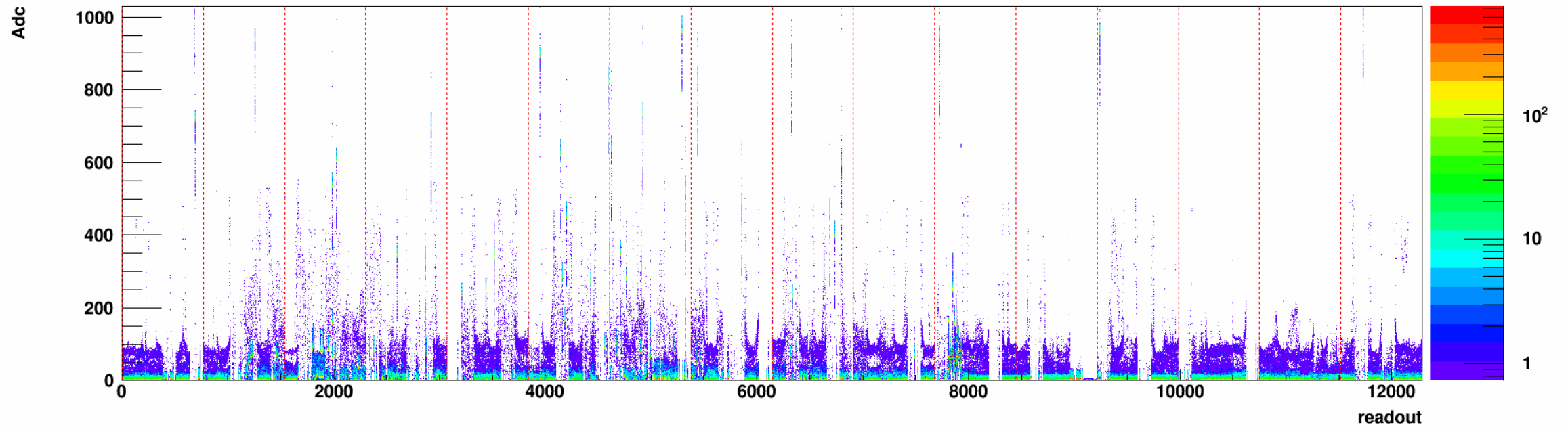
Ladder #11 N-side(Ped Subtraction)



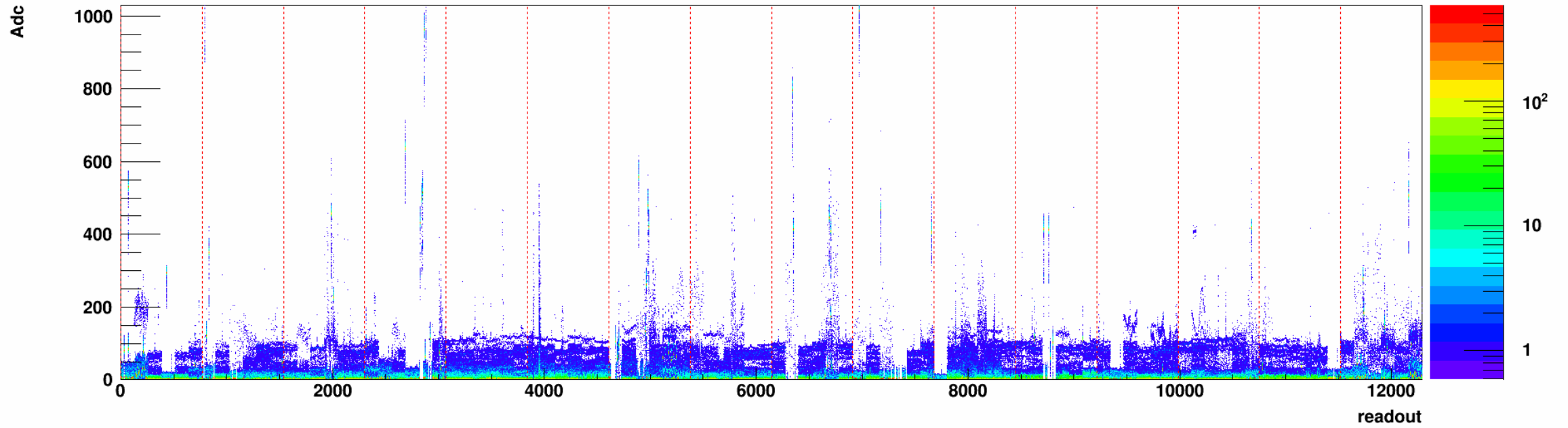
Ladder #12 P-side(Ped Subtraction)



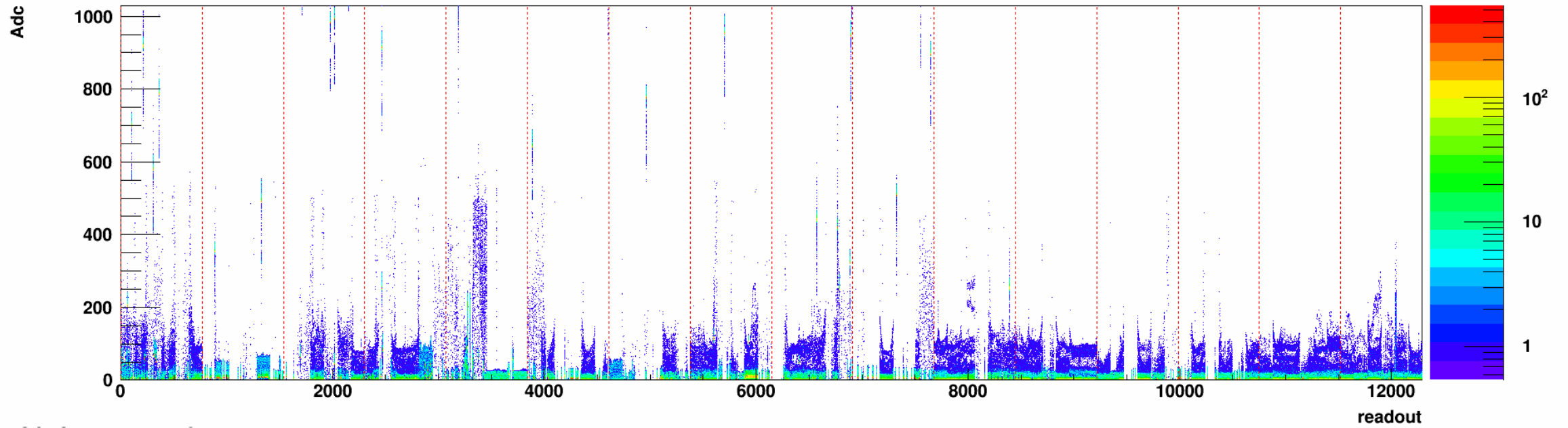
Ladder #12 N-side(Ped Subtraction)



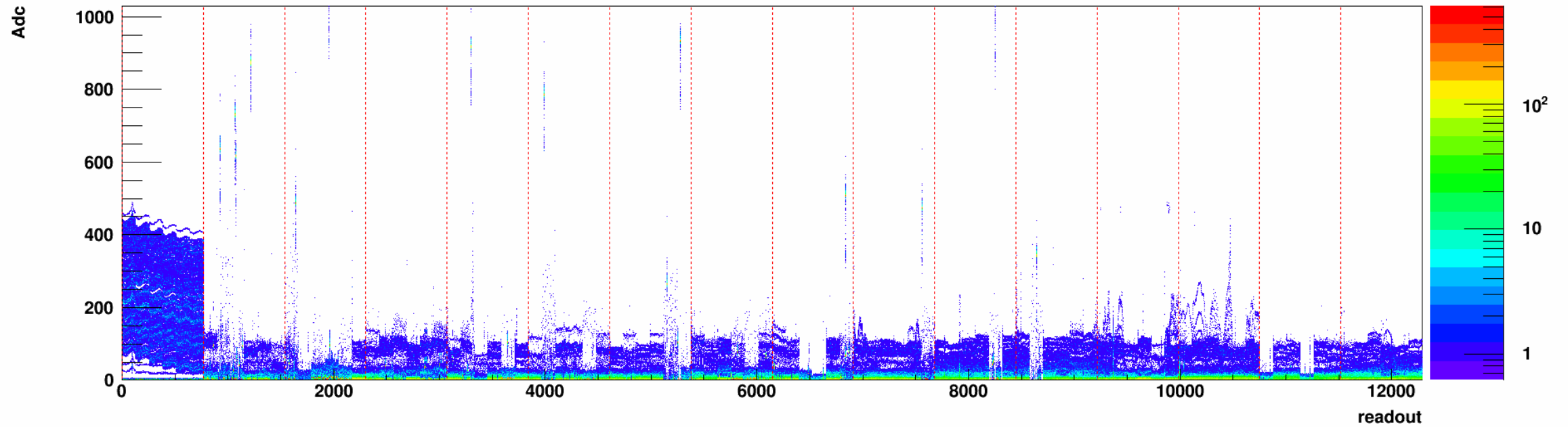
Ladder #13 P-side(Ped Subtraction)



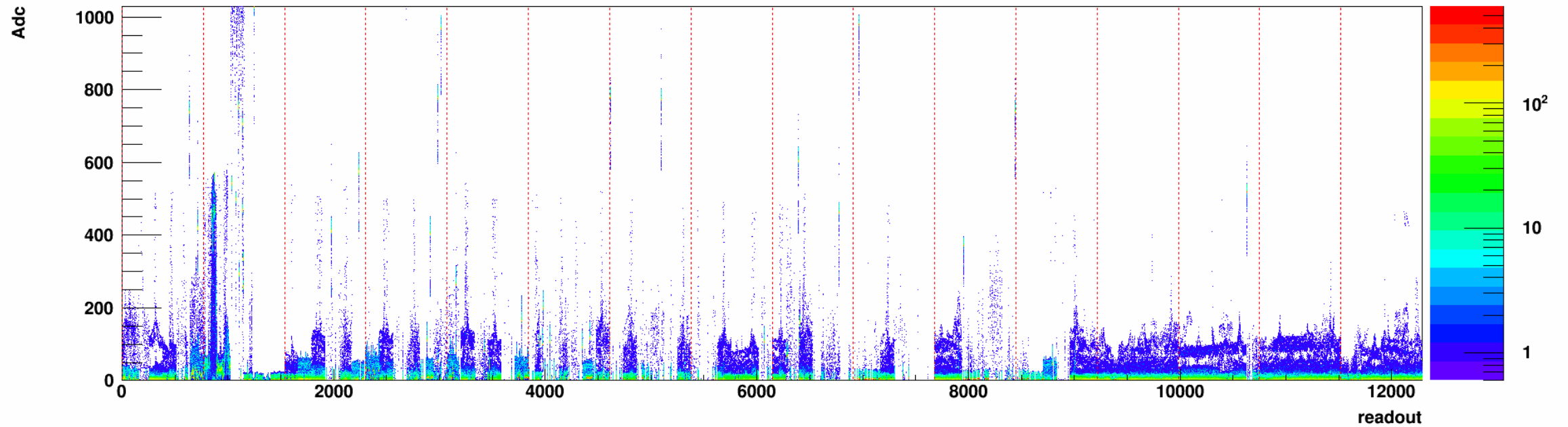
Ladder #13 N-side(Ped Subtraction)



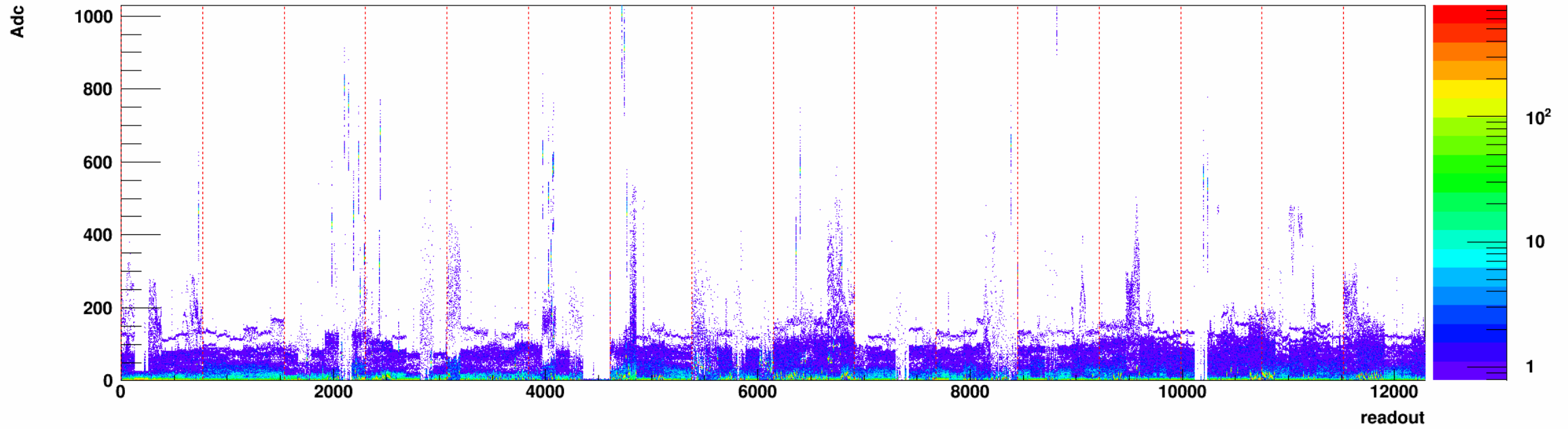
Ladder #14 P-side(Ped Subtraction)



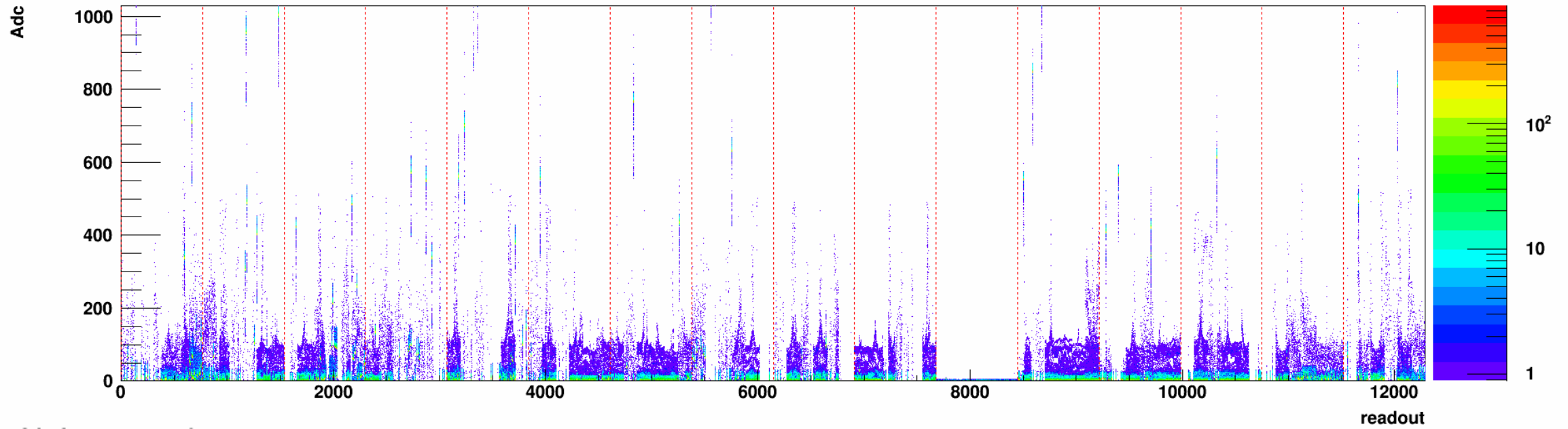
Ladder #14 N-side(Ped Subtraction)



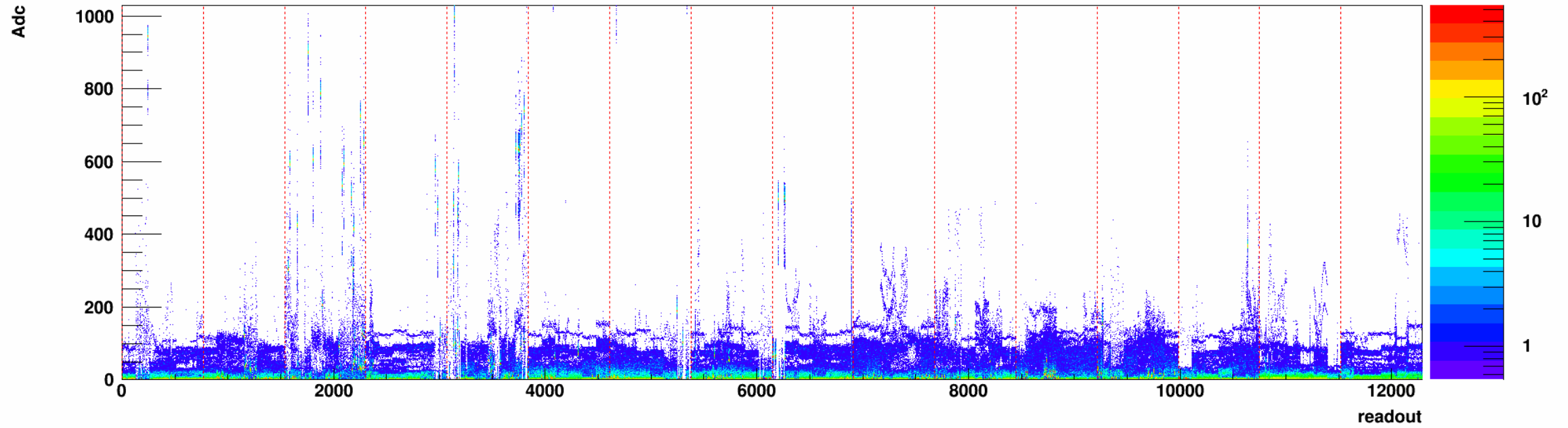
Ladder #15 P-side(Ped Subtraction)



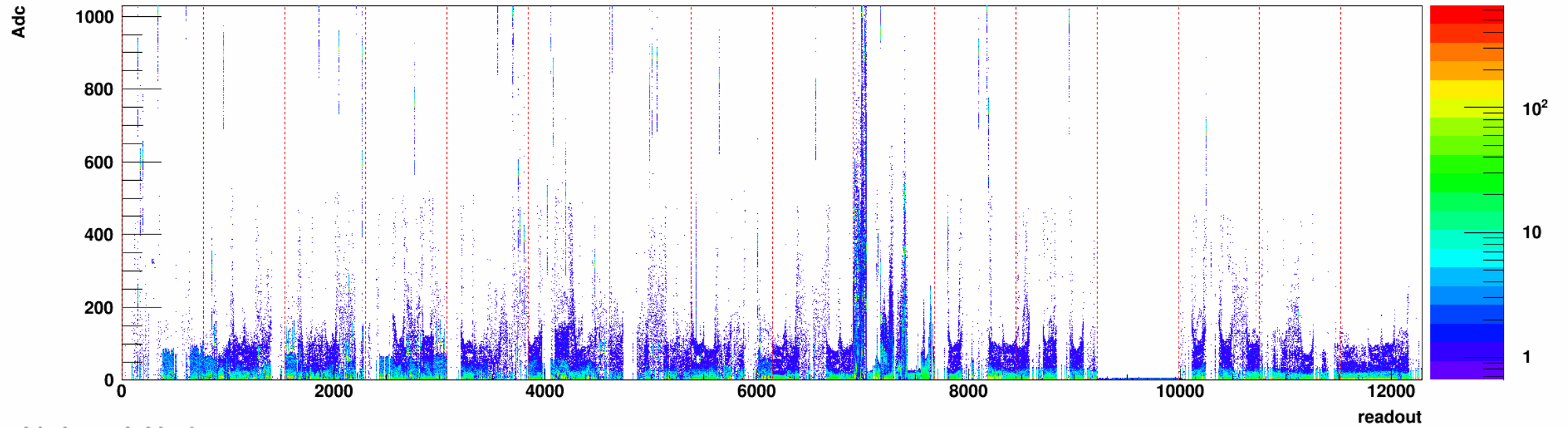
Ladder #15 N-side(Ped Subtraction)



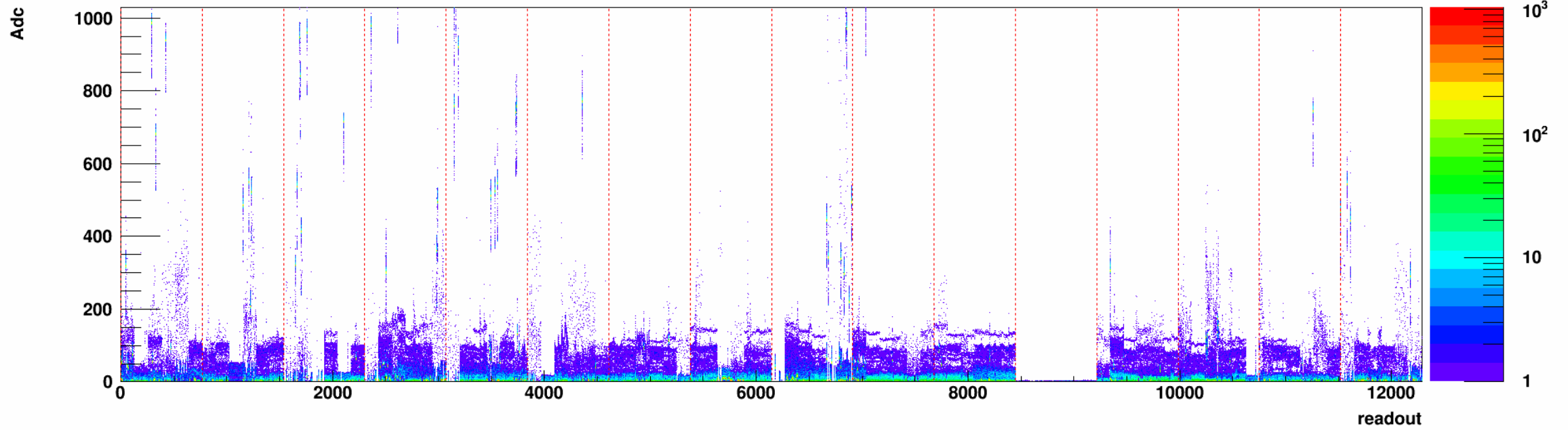
Ladder #16 P-side(Ped Subtraction)



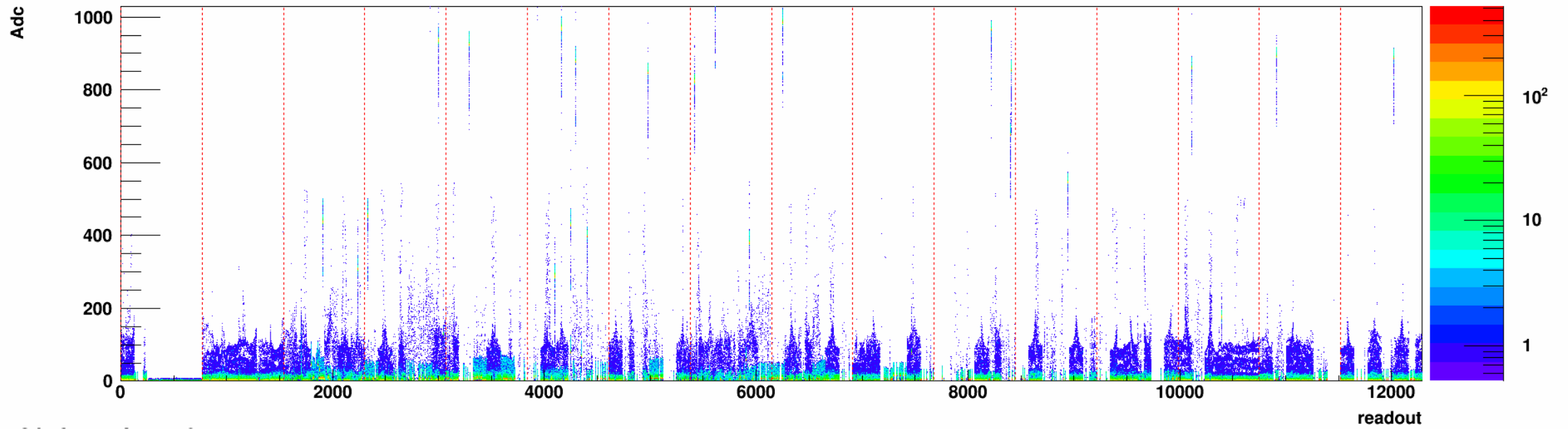
Ladder #16 N-side(Ped Subtraction)



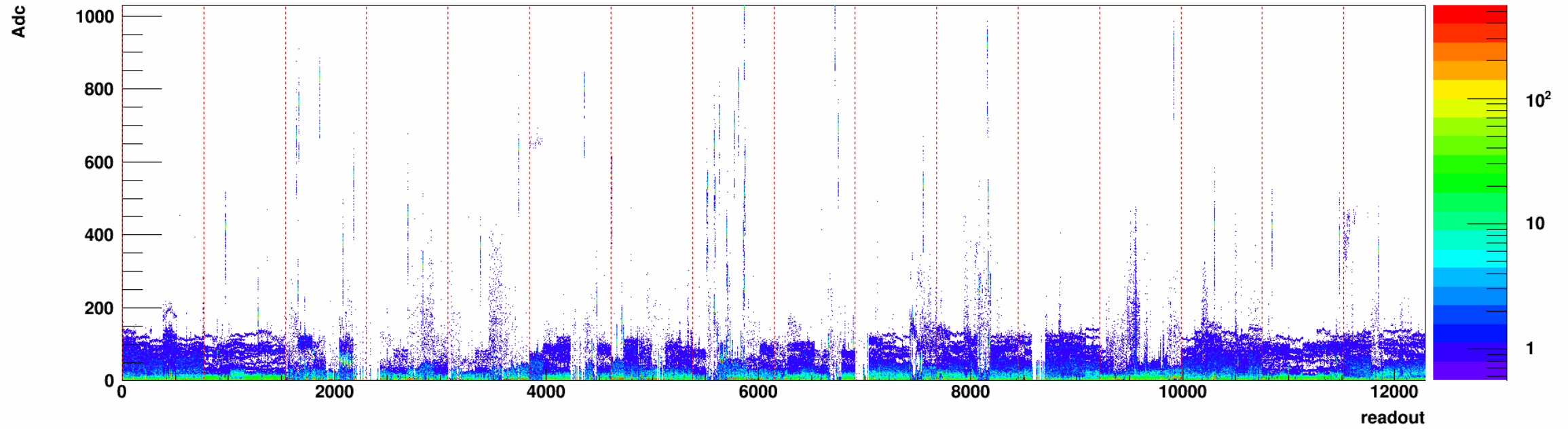
Ladder #17 P-side(Ped Subtraction)



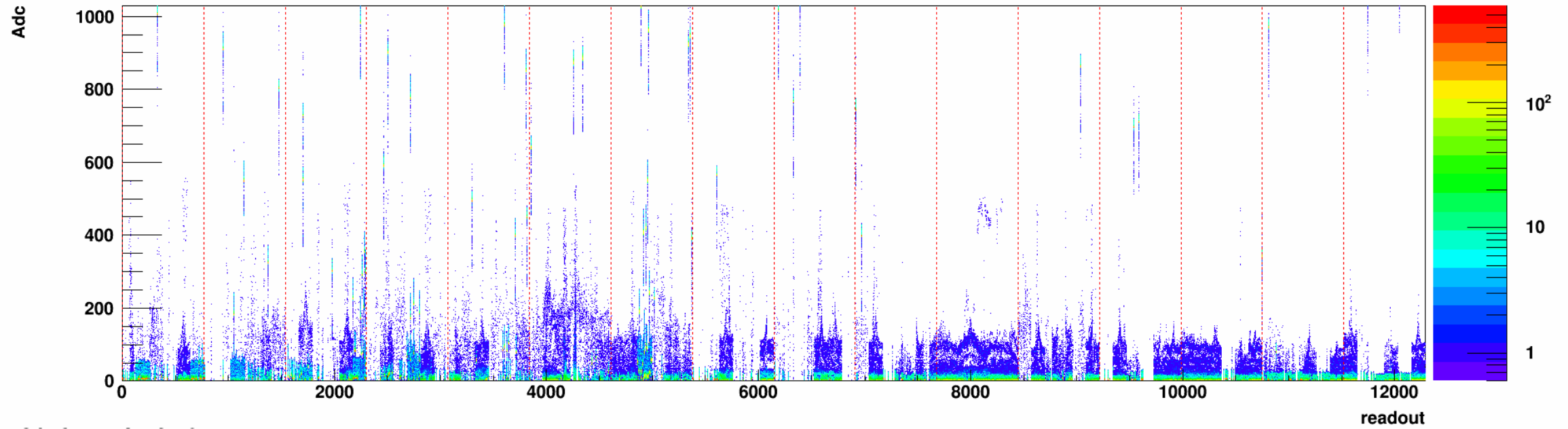
Ladder #17 N-side(Ped Subtraction)



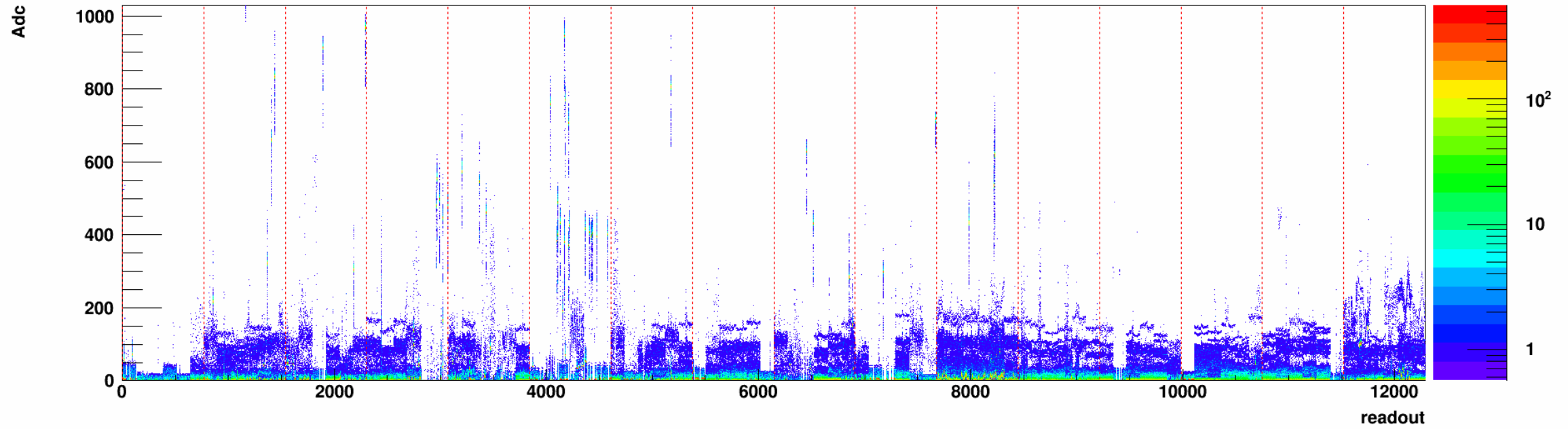
Ladder #18 P-side(Ped Subtraction)



Ladder #18 N-side(Ped Subtraction)



Ladder #19 P-side(Ped Subtraction)



Ladder #19 N-side(Ped Subtraction)

