Noise and correlation issues
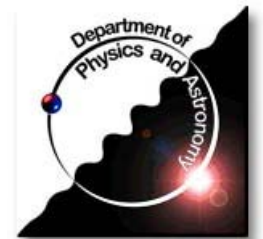## using LArNoiseMonToolBase

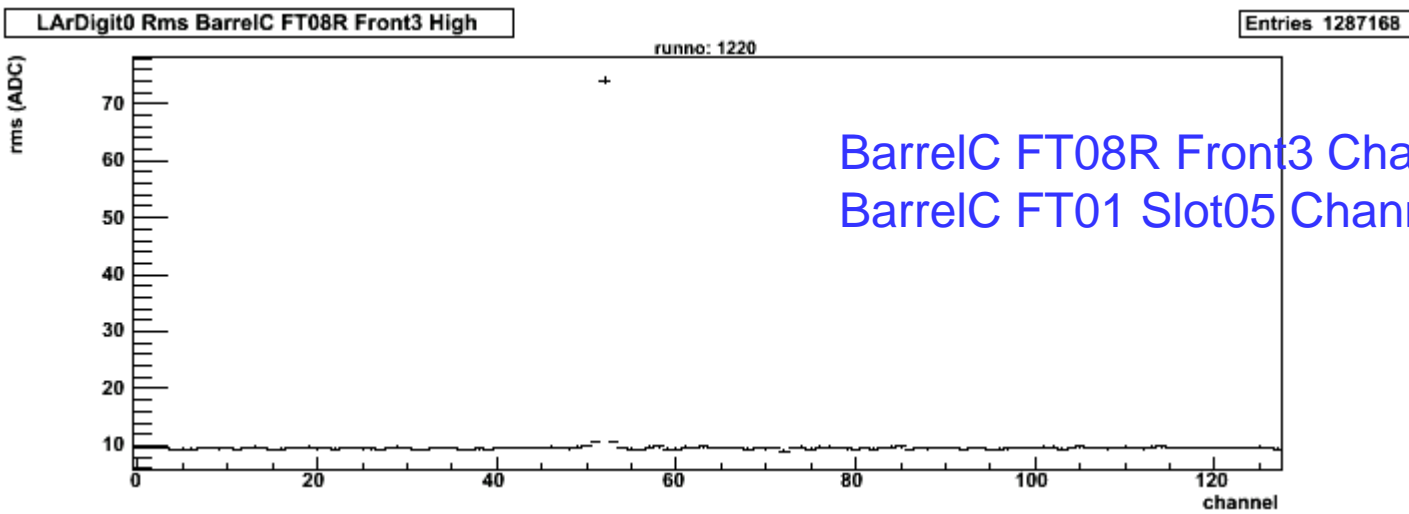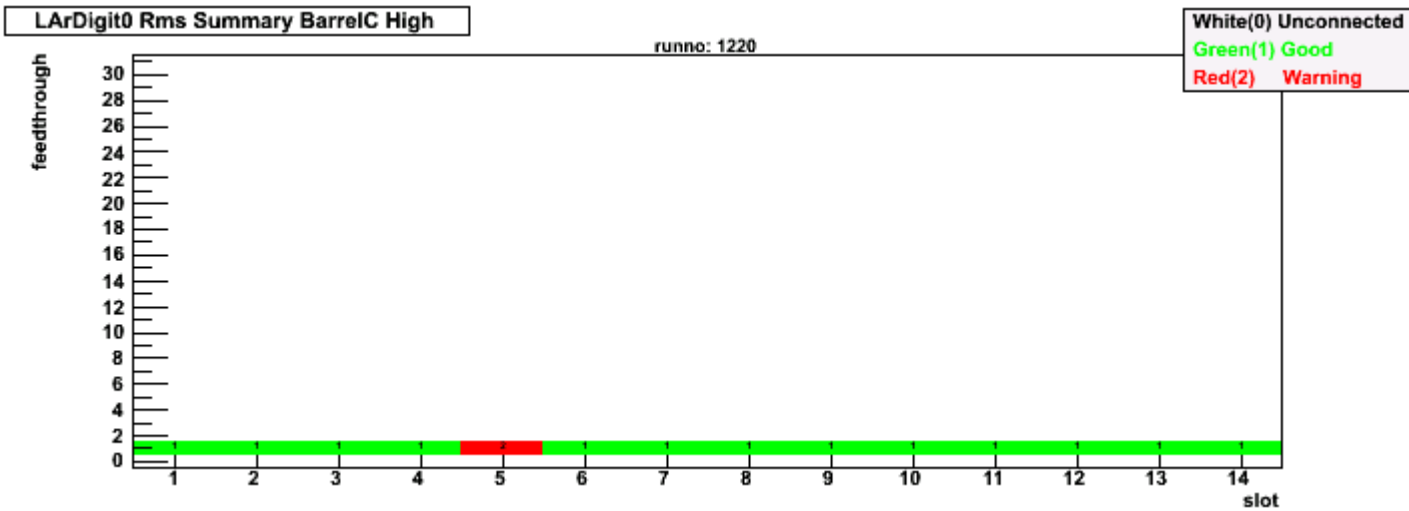Look at most pedestal runs
with >1k events

UPDATED 2006/06/04
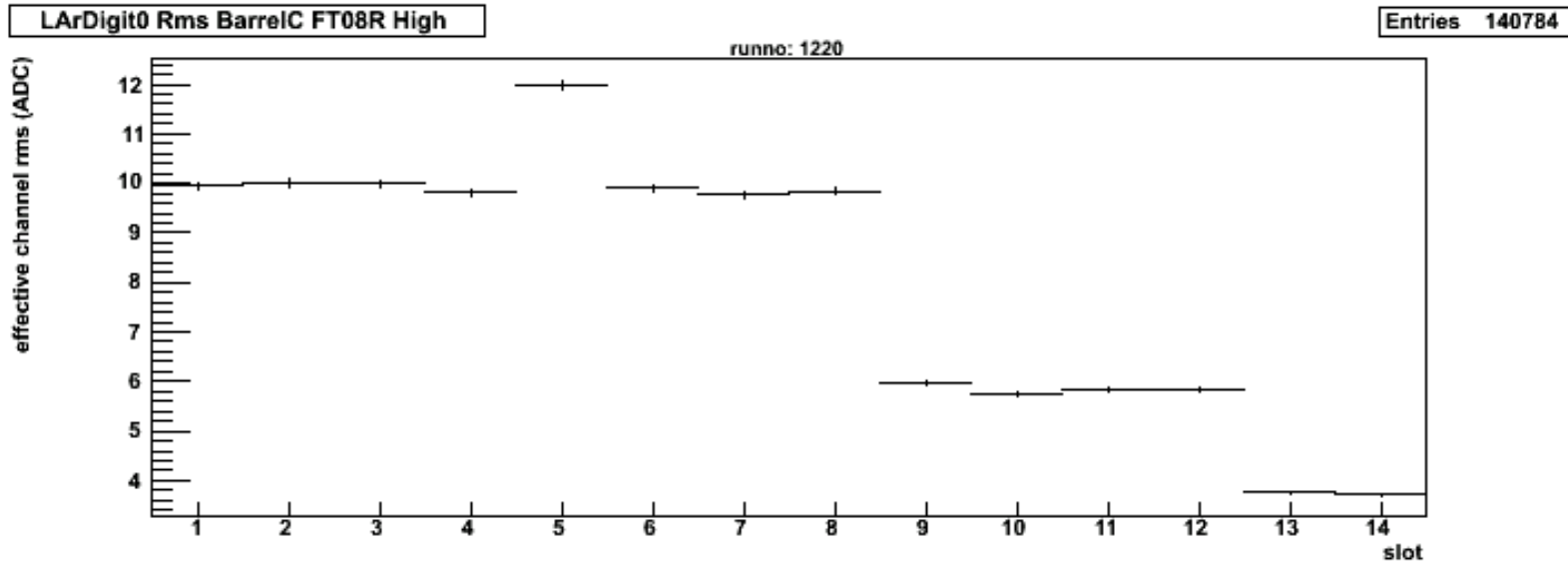
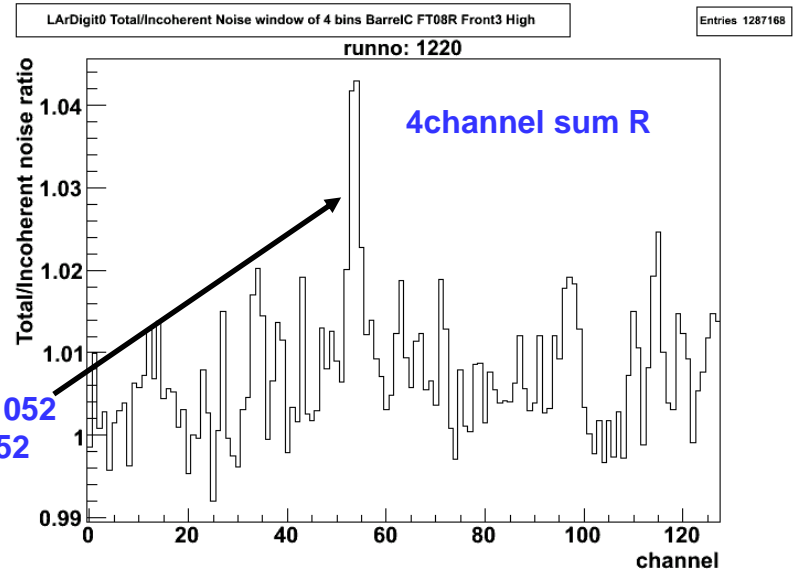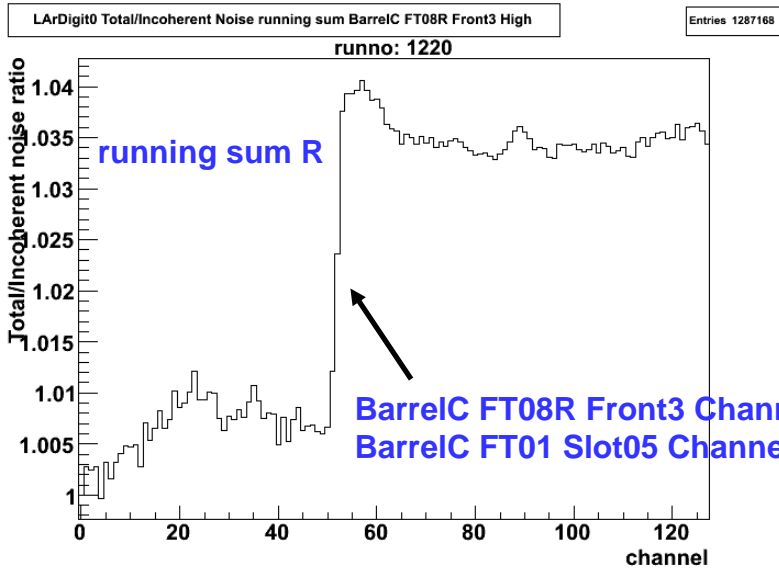Phase3
commissioning
analysis meeting 31
May 2006

M. Lefebvre
University of Victoria

Recall run 1220 (2006/02/02)

M. Lefebvre, 31 May 2006 (updated 2006/06/04)   Noise and correlation issues   2
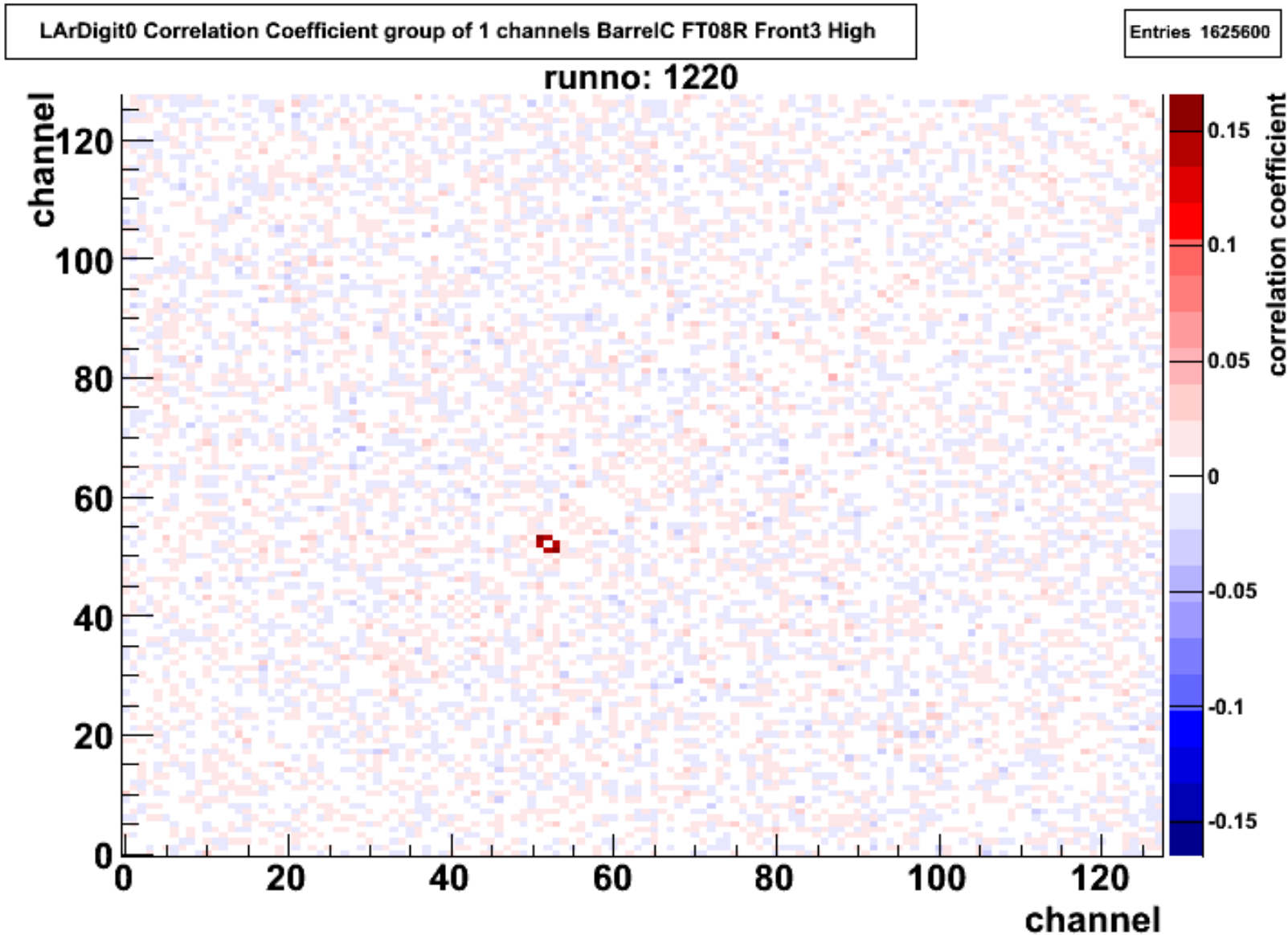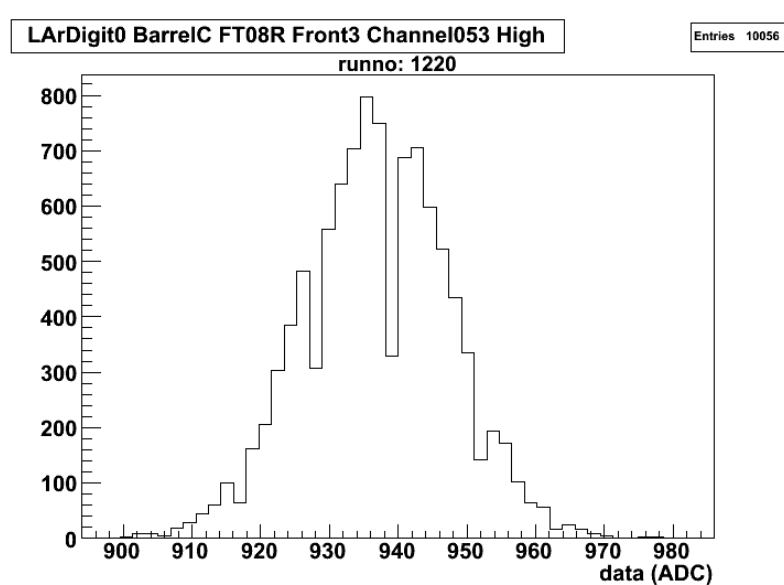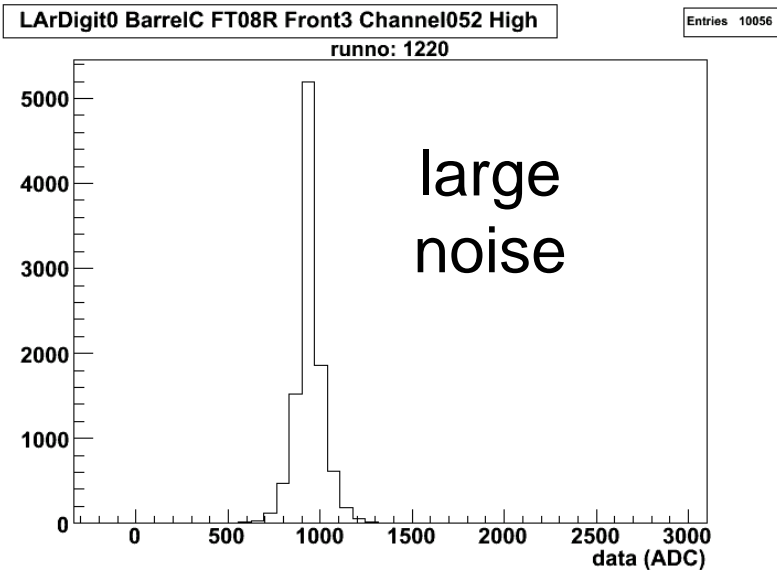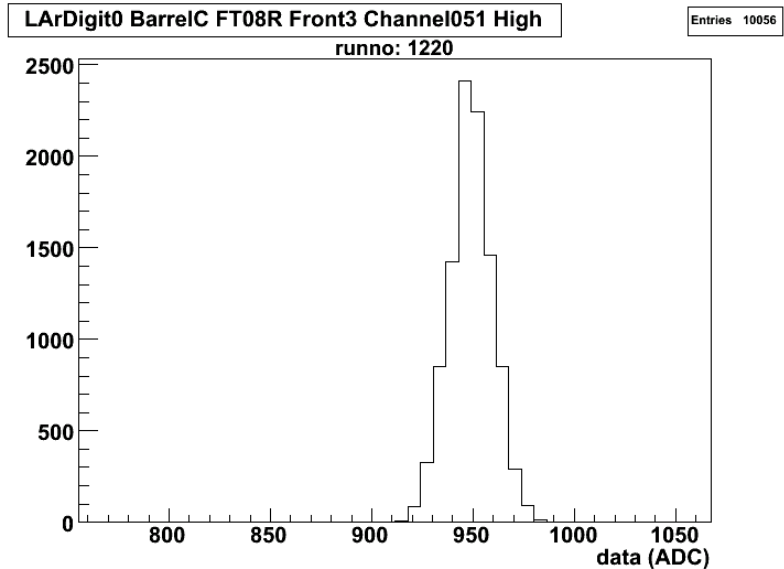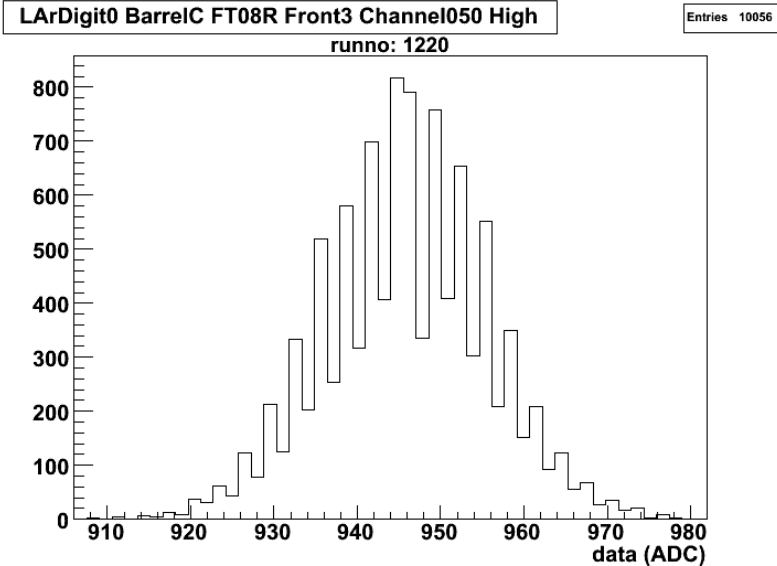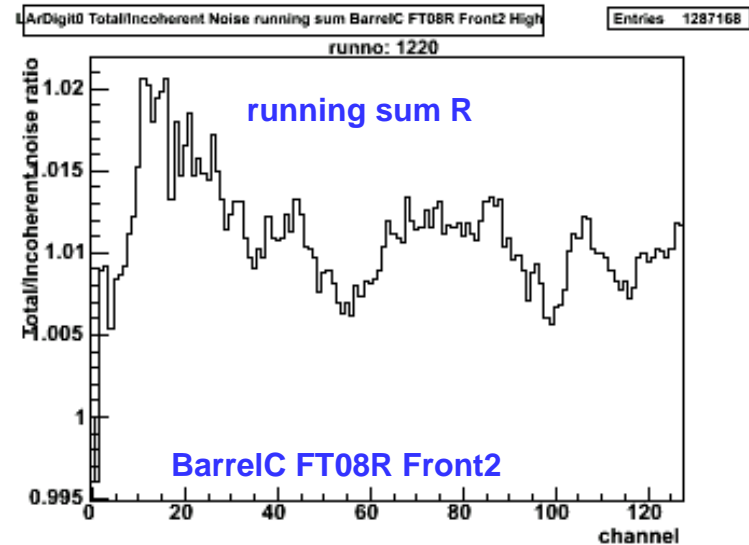
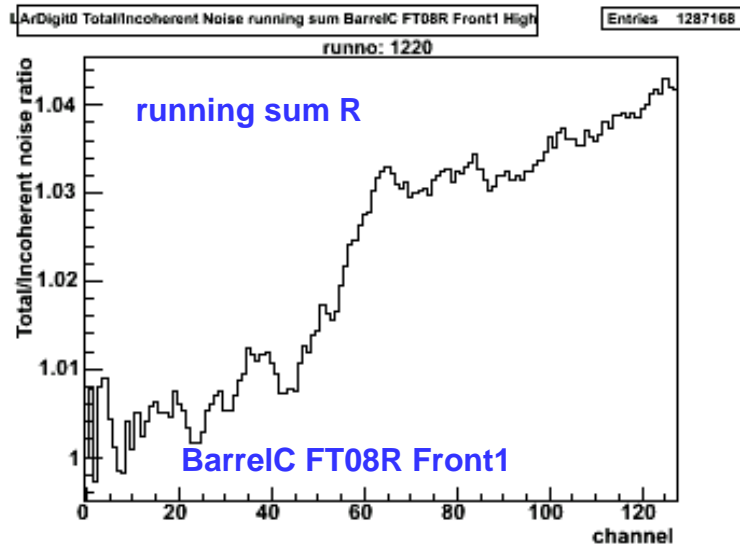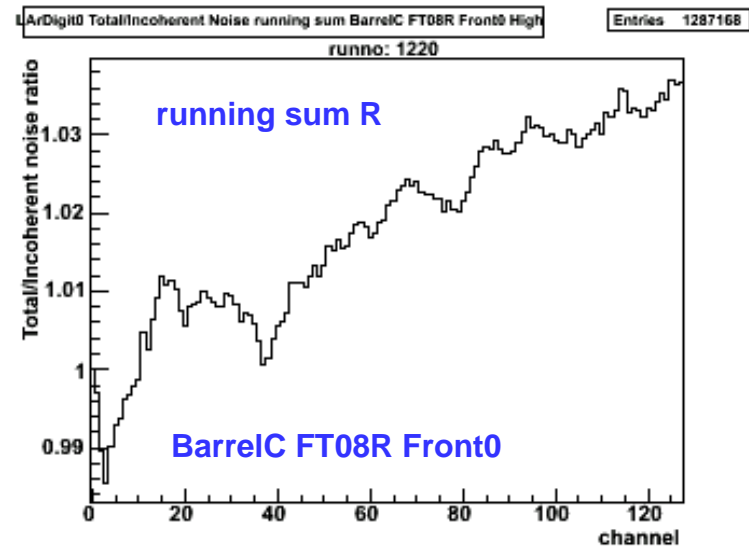# Recall run 1220 (2006/02/02)

Recall run 1220 (2006/02/02)

LArDigit0 Correlation Coefficient group of 1 channels BarrelC FT08R Front3 High

Entries 1625600
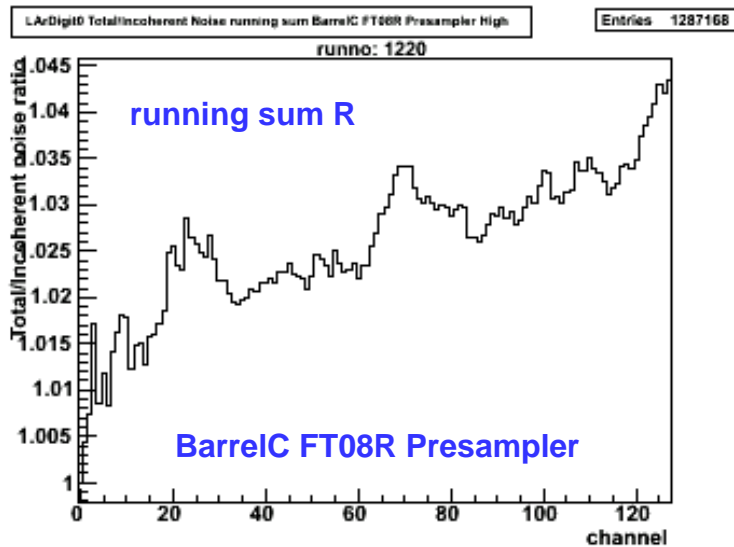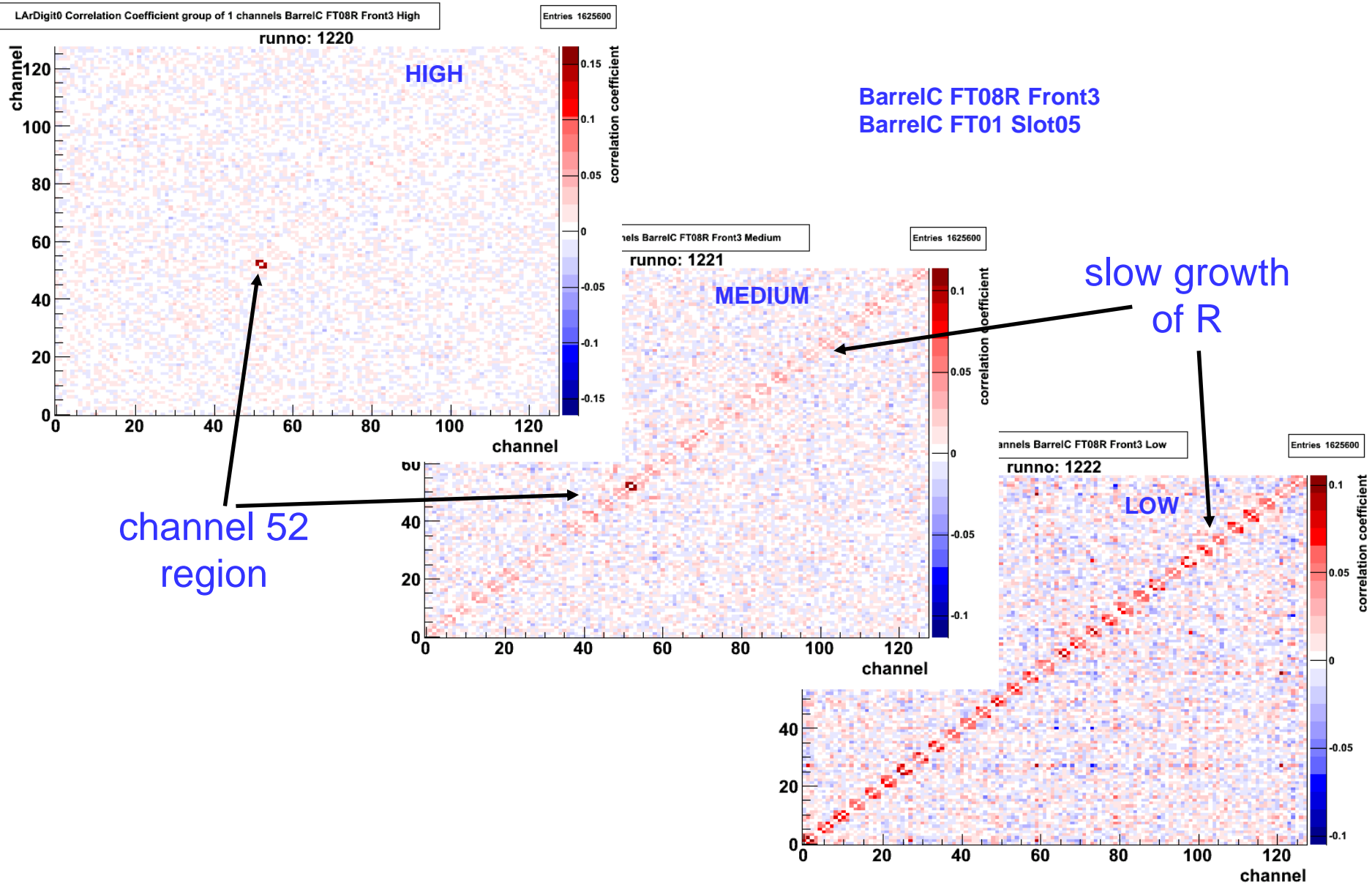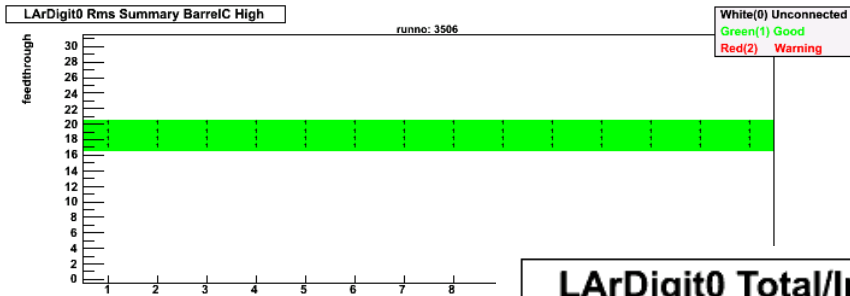
runno: 1220

Example from run 1220 (2006/02/02)

Recall run 1220 (2006/02/02)
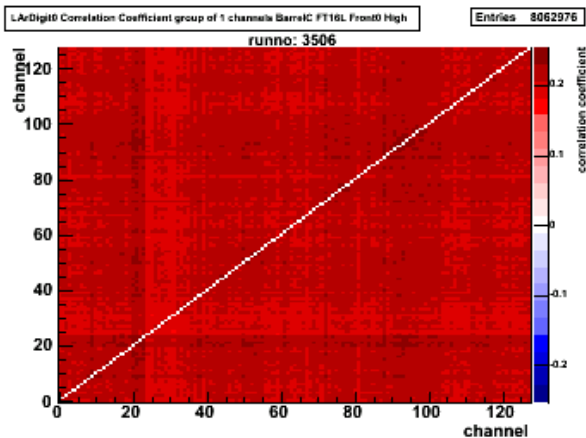
Recall runs 1220, 1221, 1222 (2006/02/02)

LArDigit0 Correlation Coefficient group of 1 channels BarrelC FT08R Front3 High

runno: 1220

HIGH

BarrelC FT08R Front3
BarrelC FT01 Slot05

slow growth of R

channel 52 region

...nels BarrelC FT08R Front3 Medium

runno: 1221

MEDIUM

...annels BarrelC FT08R Front3 Low

runno: 1222

LOW

run 3506 (2006/05/11)

LArDigit0 Rms Summary BarrelC High
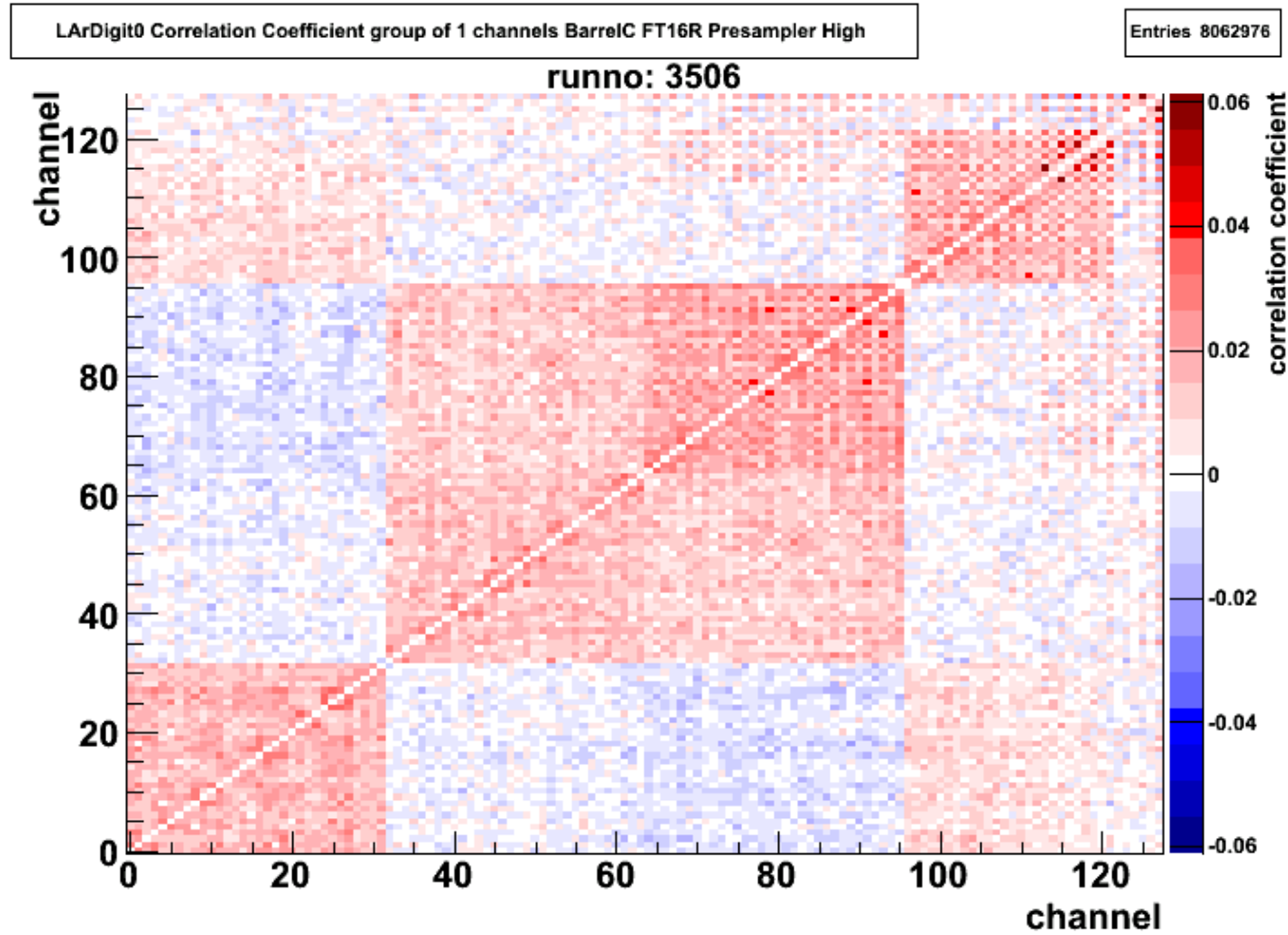
runno: 3506

White(0) Unconnected
Green(1) Good
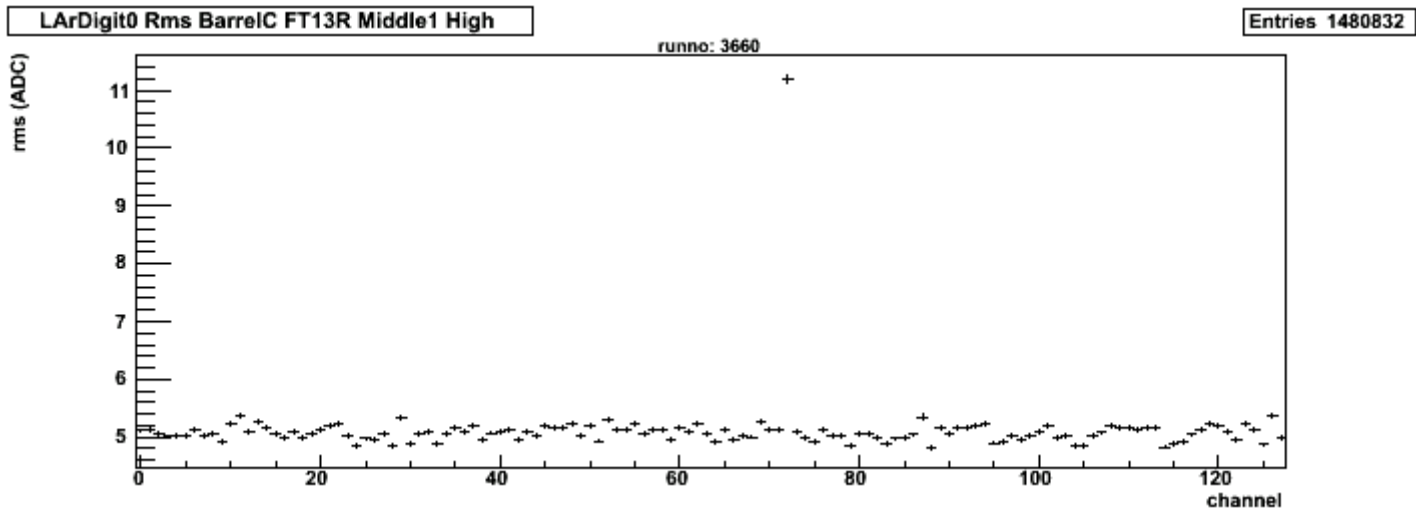Red(2) Warning

LArDigit0 Total/Incoherent Noise BarrelC High
runno: 3506

total/incoherent noise

LArDigit0 Correlation Coefficient group of 1 channels BarrelC FT16L Front0 High
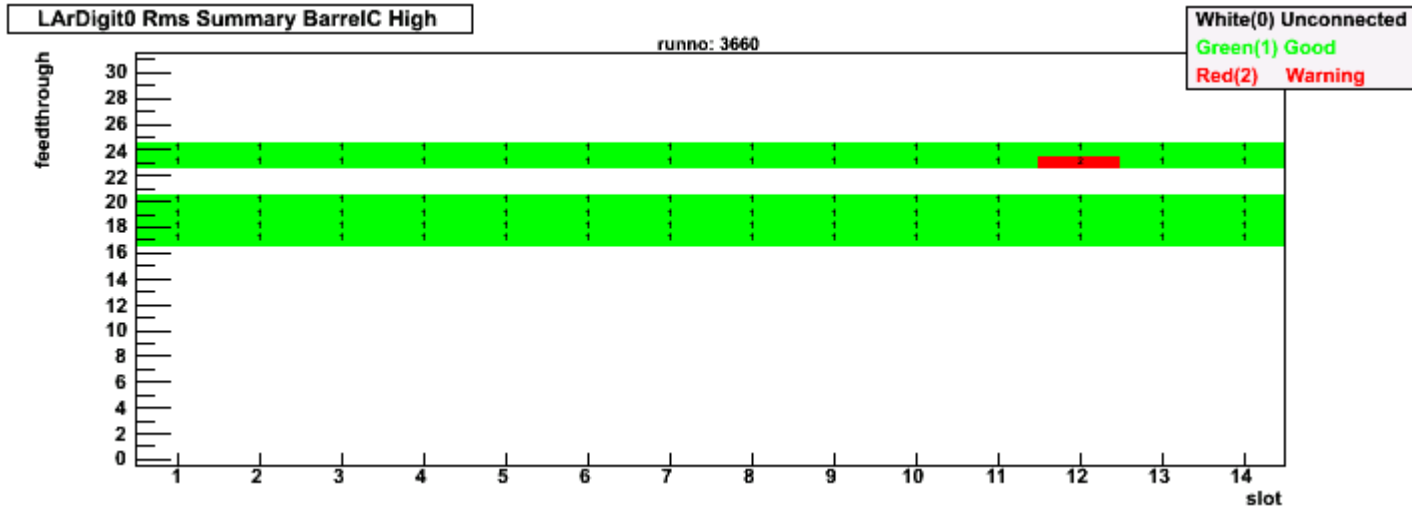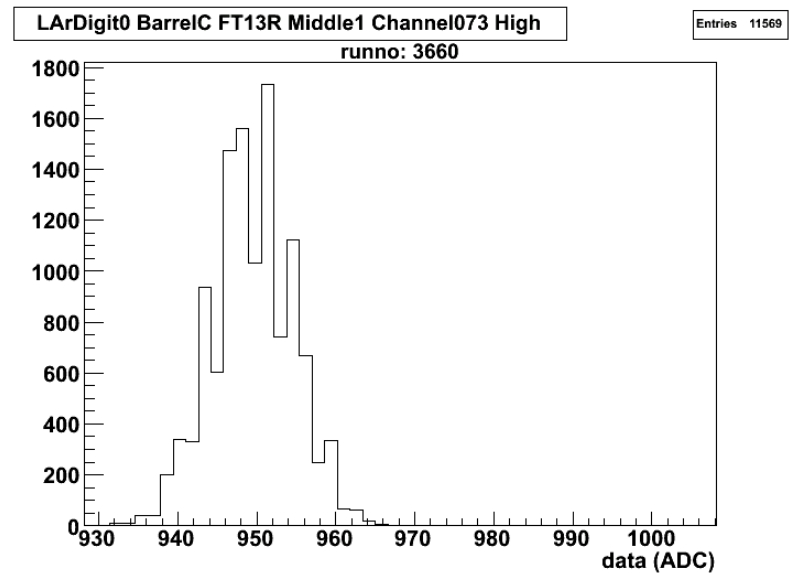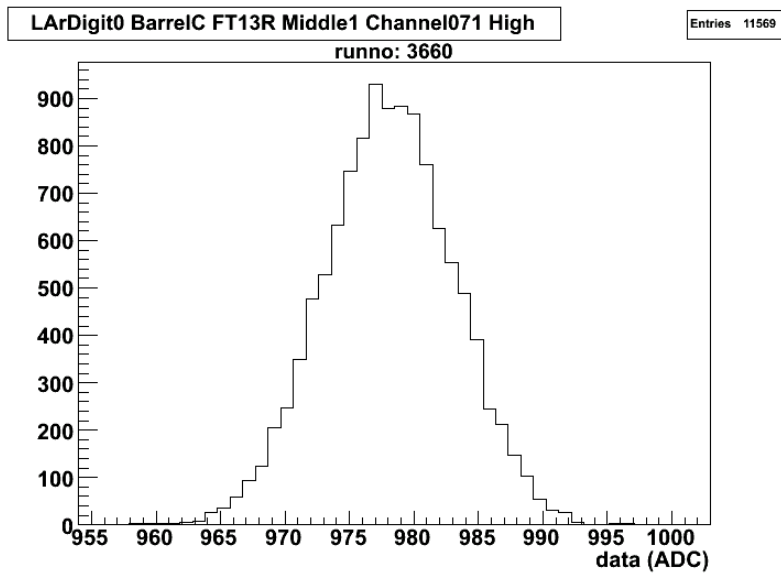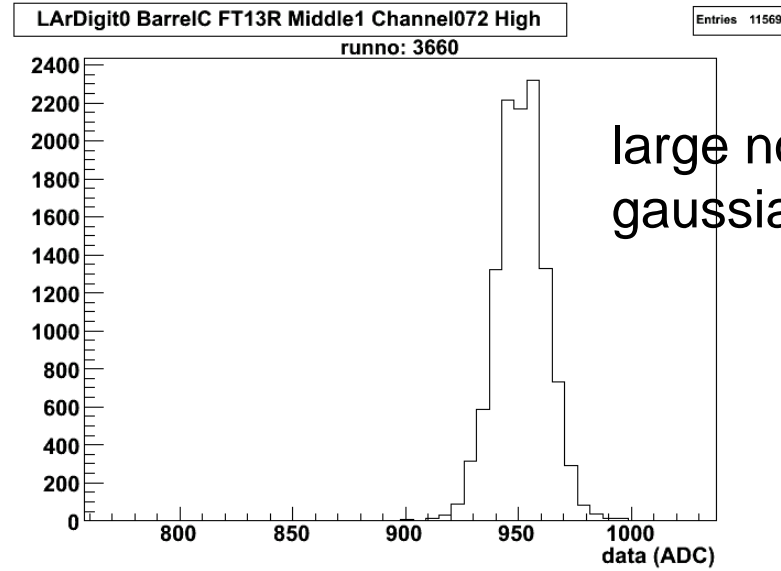
Entries 8062976
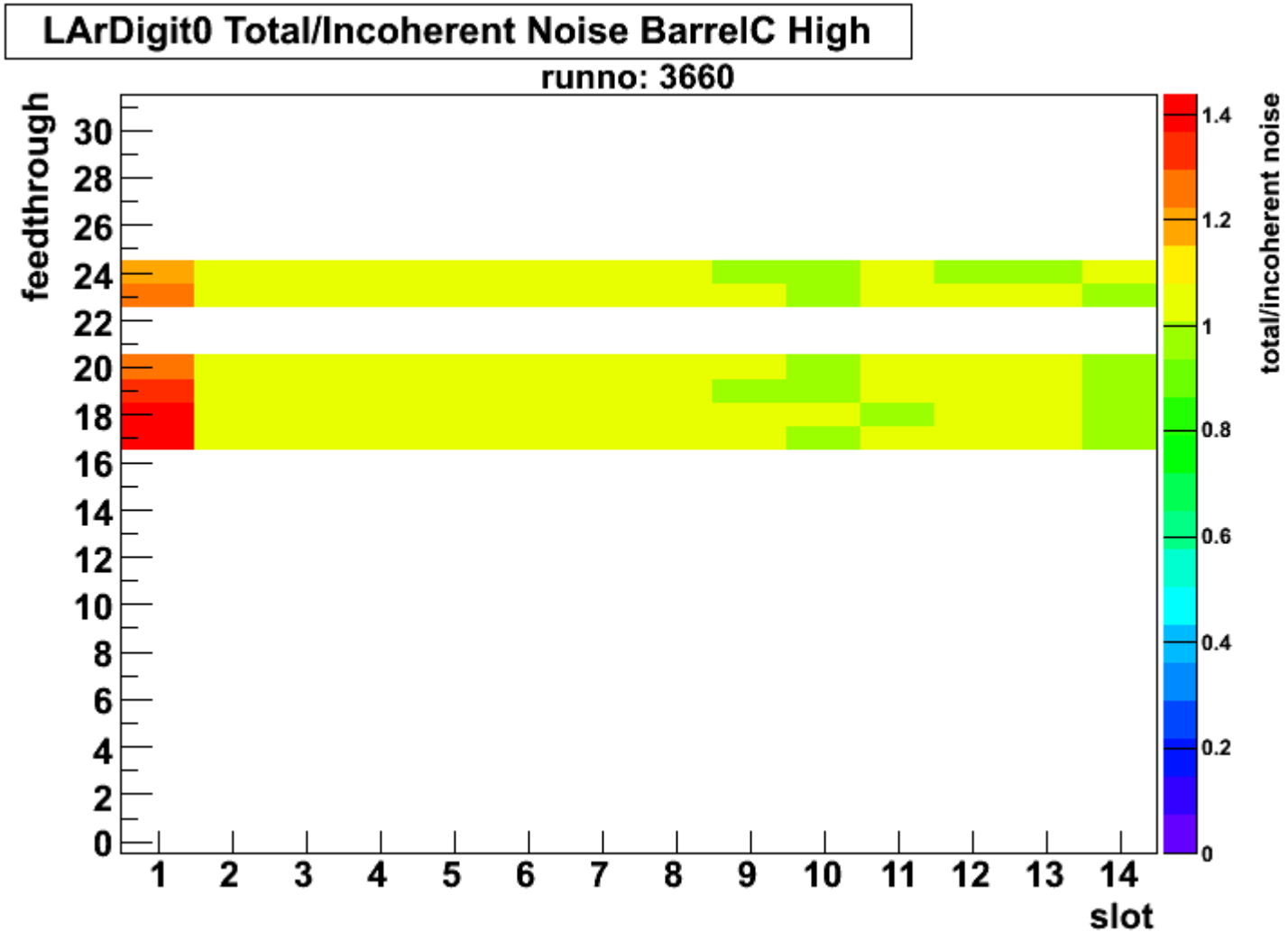
runno: 3506

correlation coefficient

run 3506 (2006/05/11)

run 3506 (2006/05/11)

run 3660 (2006/05/19)

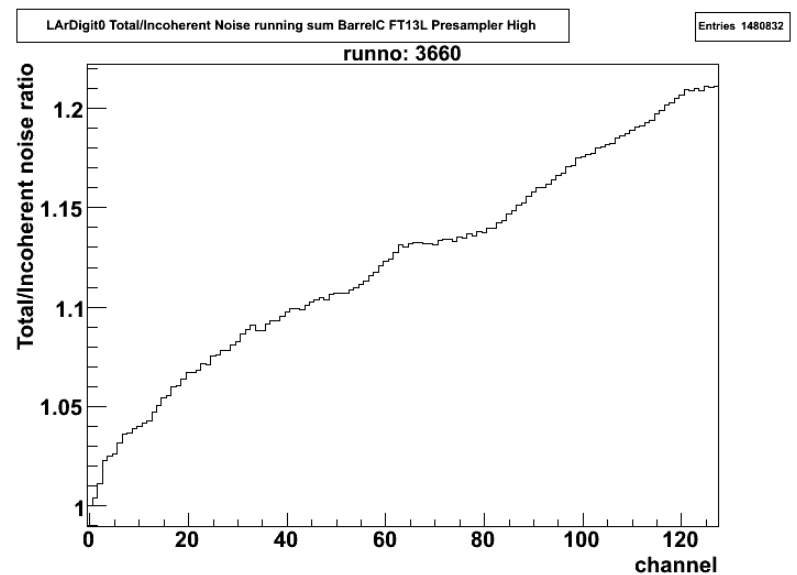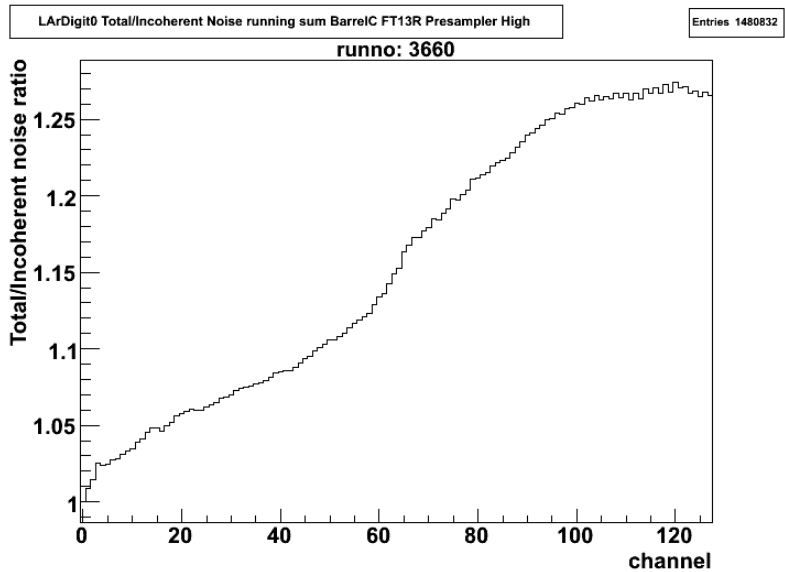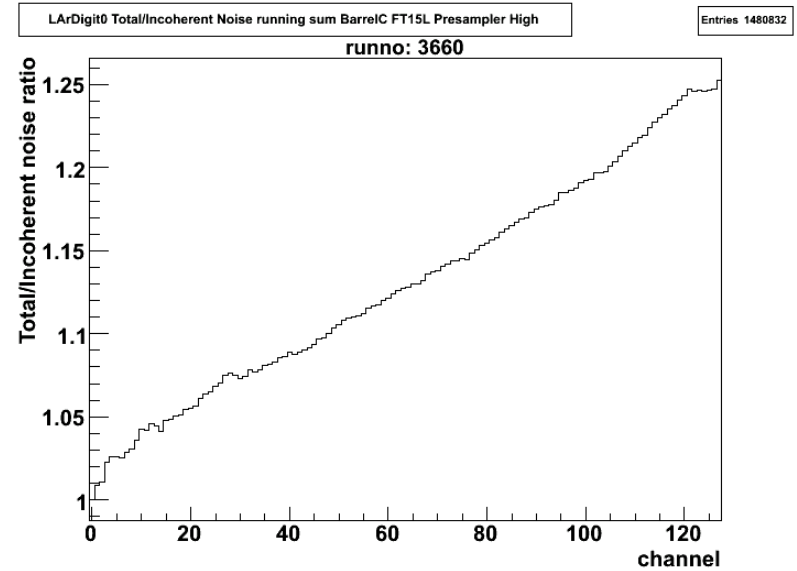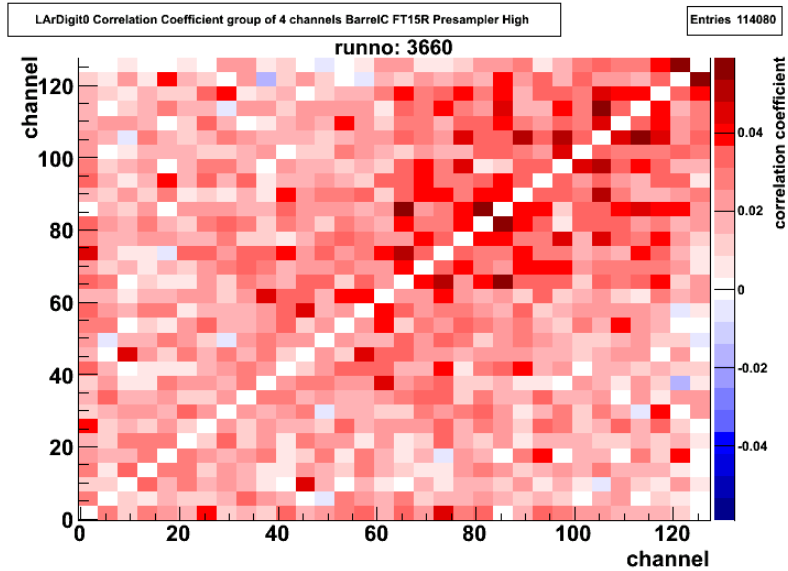# run 3660 (2006/05/19)

large noise, but gaussian

run 3660 (2006/05/19)

run 3660 (2006/05/19)

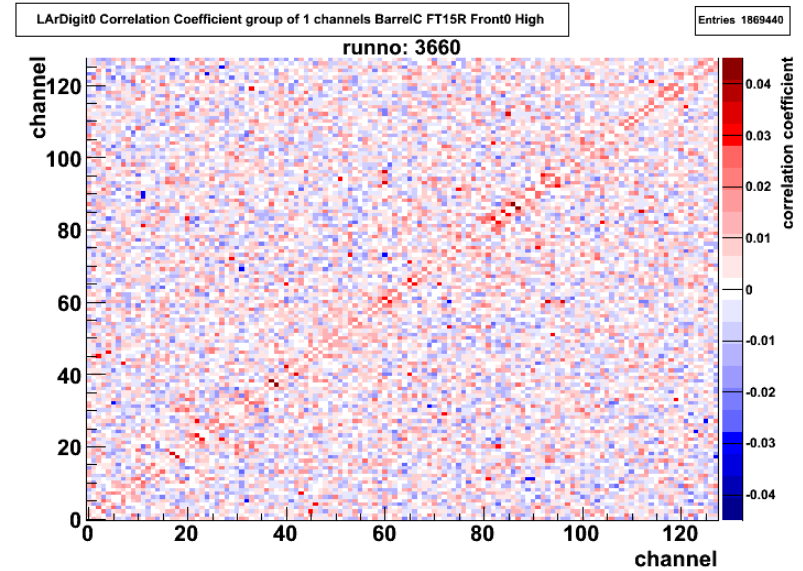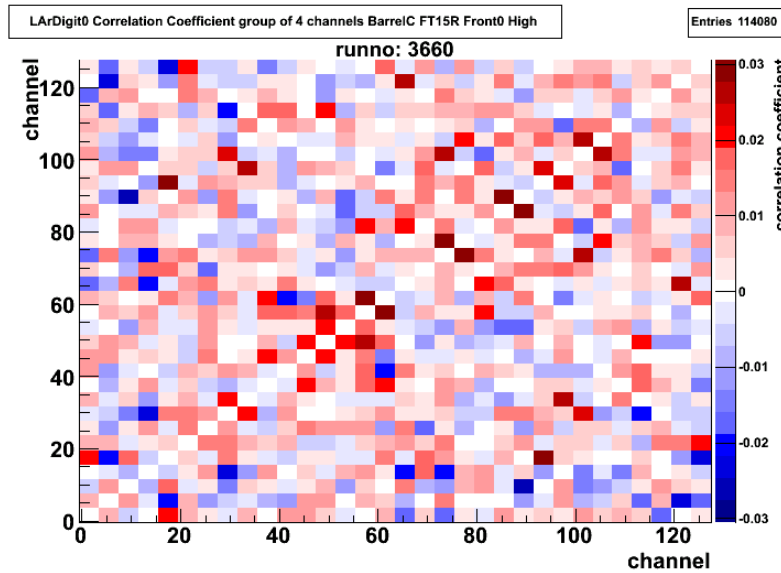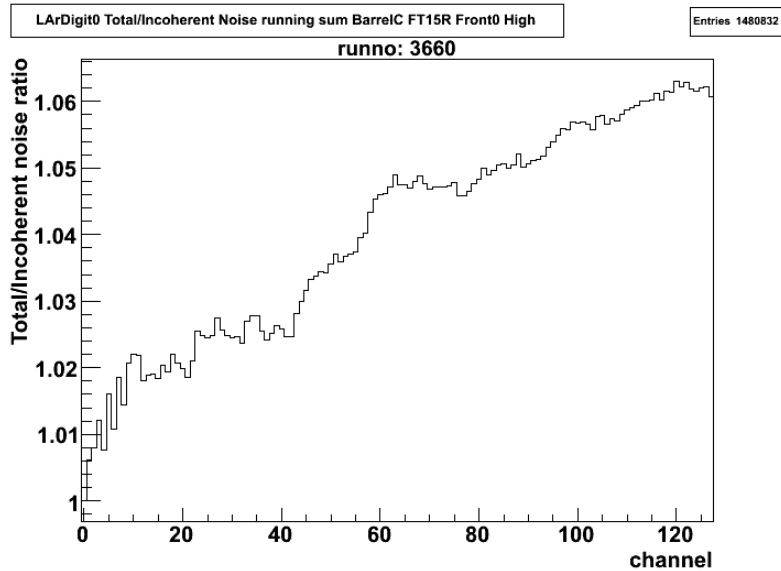# run 3660 (2006/05/19)
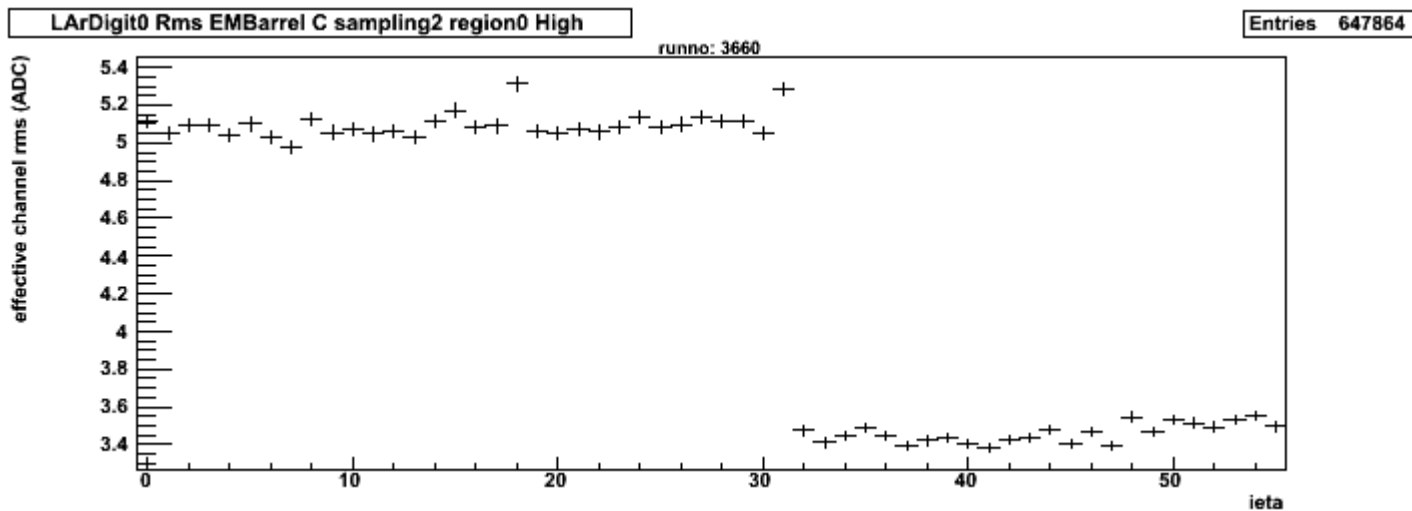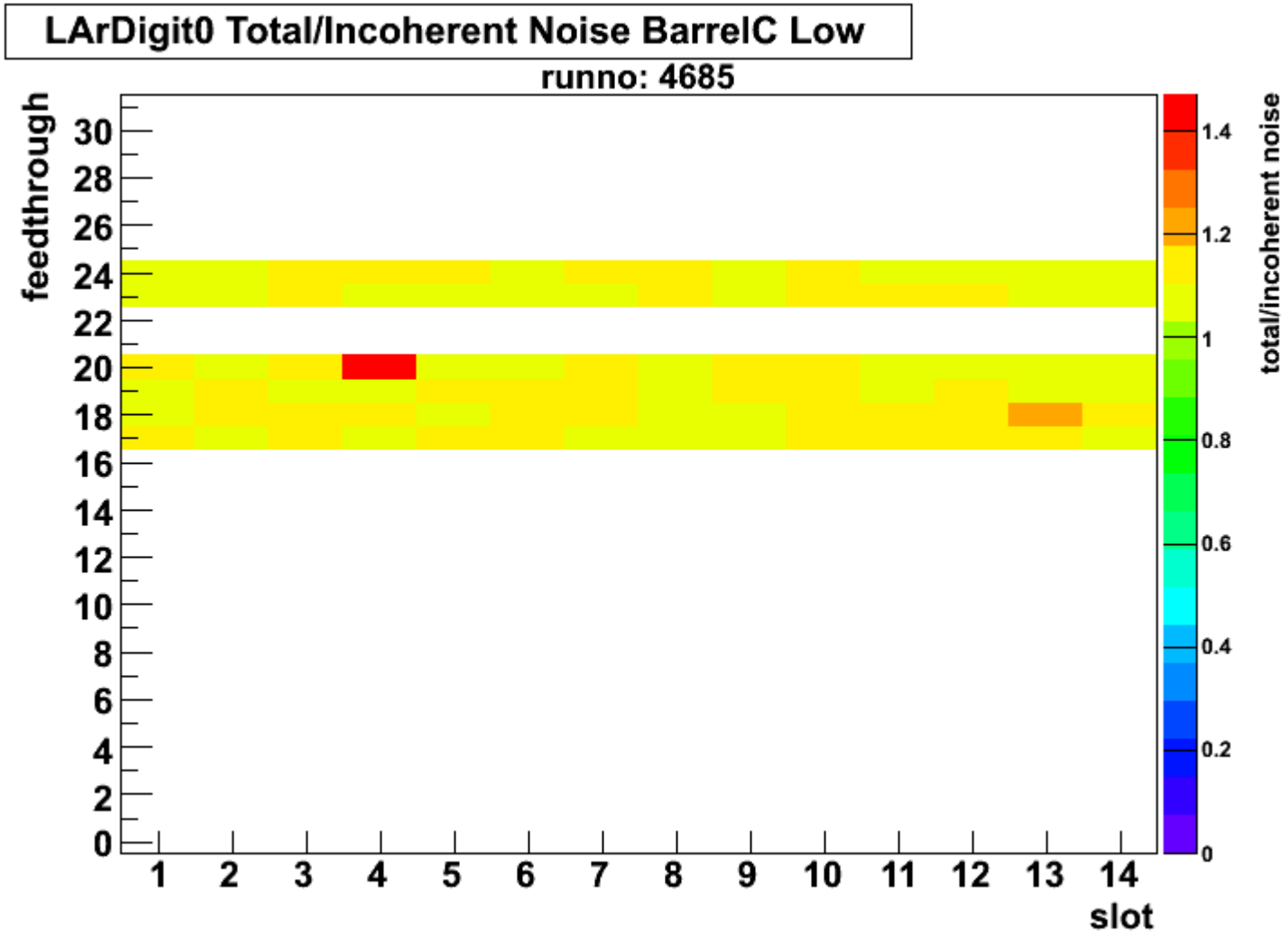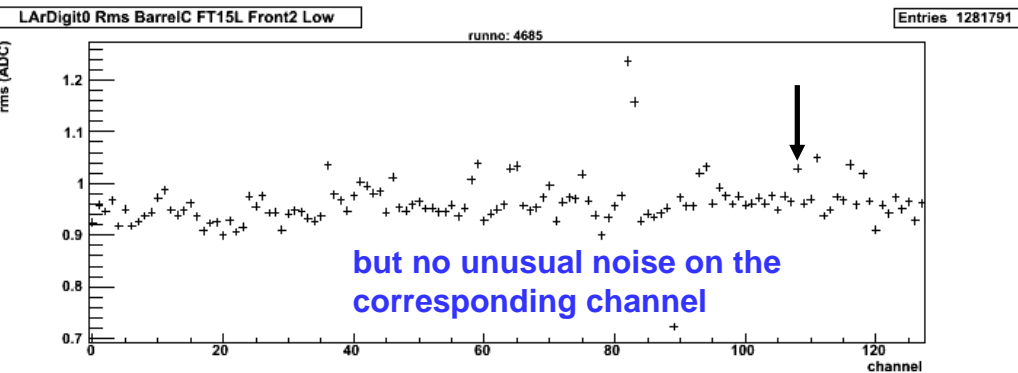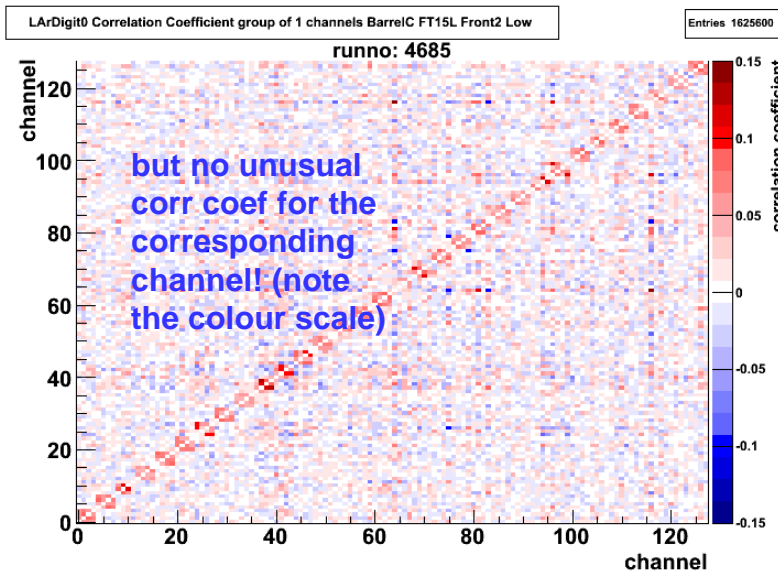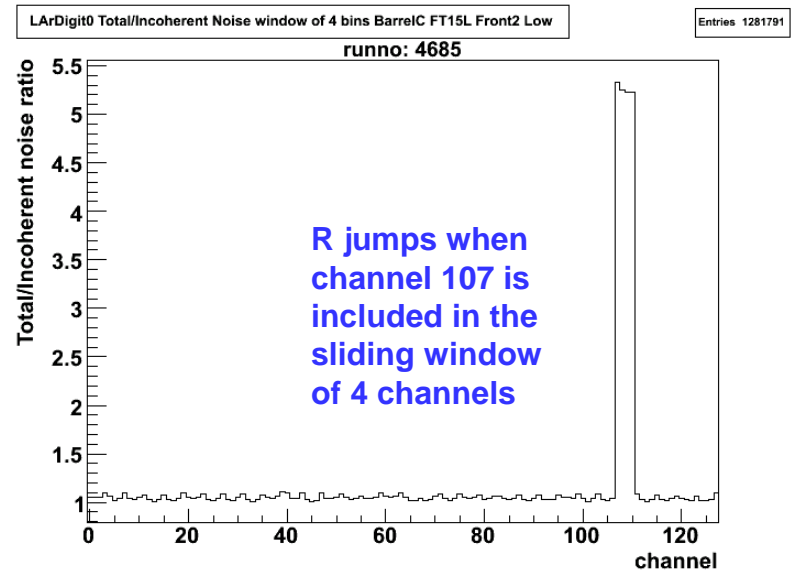
run 3660 (2006/05/19)

run 3660 (2006/05/19)

run 4685 (2006/05/22)

run 4685 (2006/05/22)

run 3047 (2006/04/28)

LArDigit0 Total/Incoherent Noise BarrelC High

runno: 3047

BarrelC FT15L Front5
BarrelC FT20 Slot07

BarrelC FT15R Back1
BarrelC FT19 Slot10