FEB MPOD Noise

Sho and Pelle

Noise Performance with MPOD Supply

MPOD supply

- Group C setup
- MPOD provides LV power, bias and flange power
- Banana contacts provide interface to FEB for now
- Single hybrid connected; not tested all channels yet
- Use breakout board without bypass caps

Use Sho's snmp scripts -> should switch to GUI's now (and fix problems)

Noise performance is good

- Measure noise level of about 55ADC (see below)
- Standalone supply gave about 65ADC
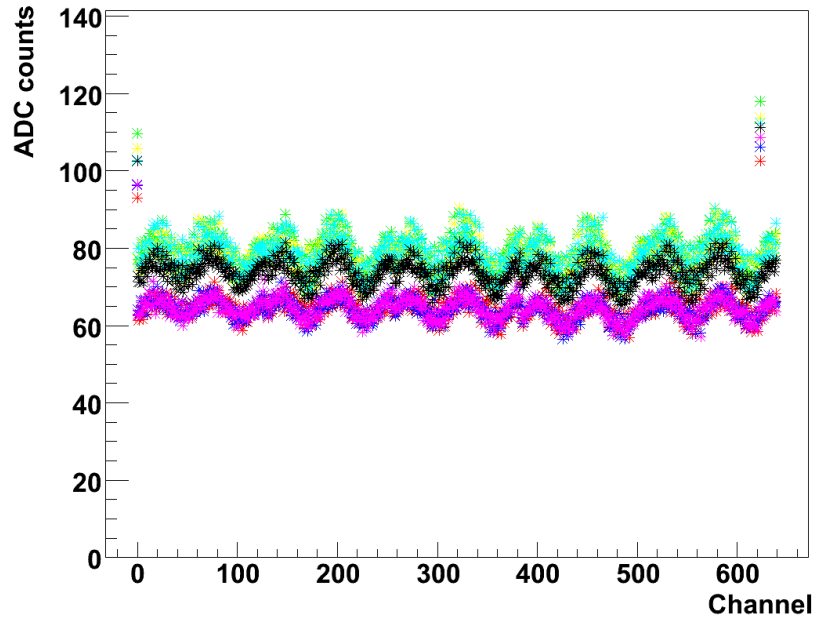
Noticed noise was fluctuating between a few runs

- Power cycle, switching adapter boards, etc. b/w runs
- No systematic study; could be configuration problem
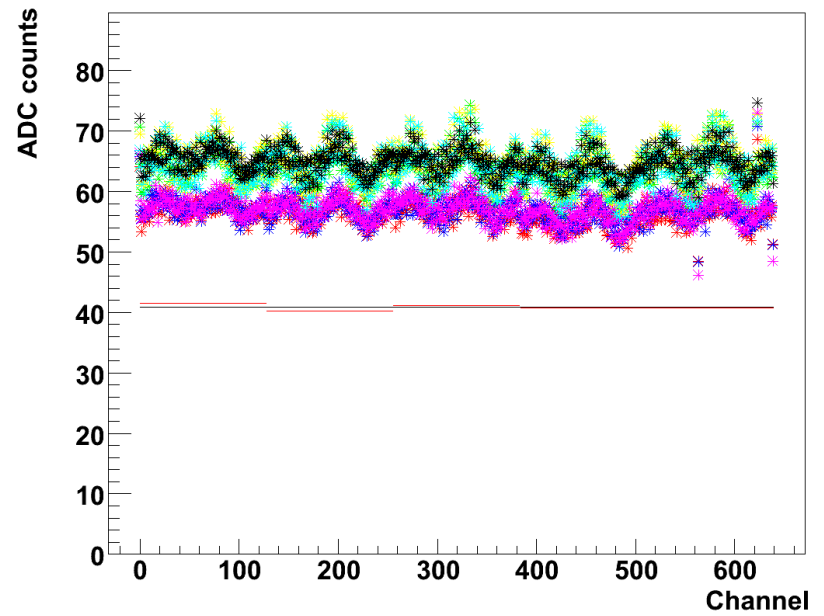
Needs exercising….

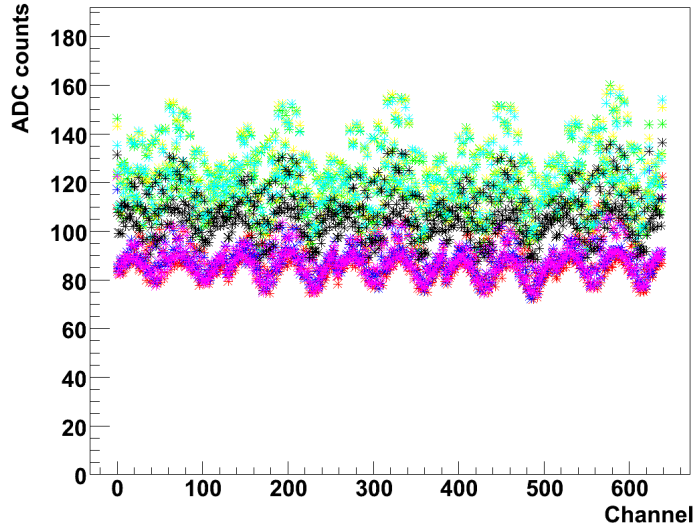# Noise Performance with MPOD Supply

BKPrec local supply
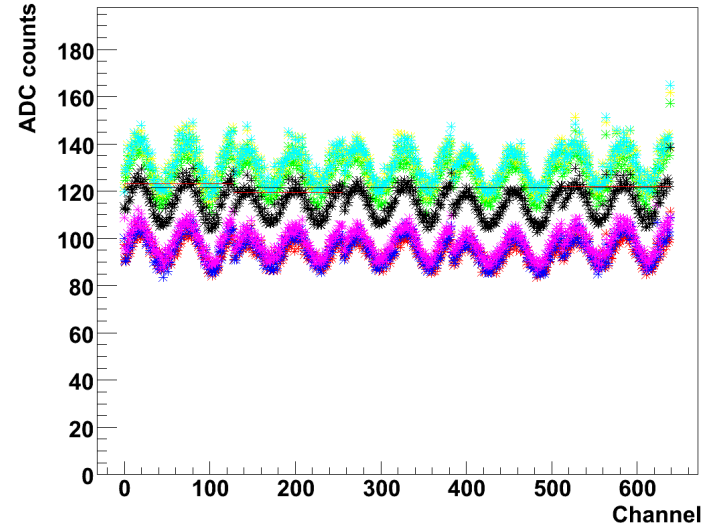
MPOD

Example of a few runs