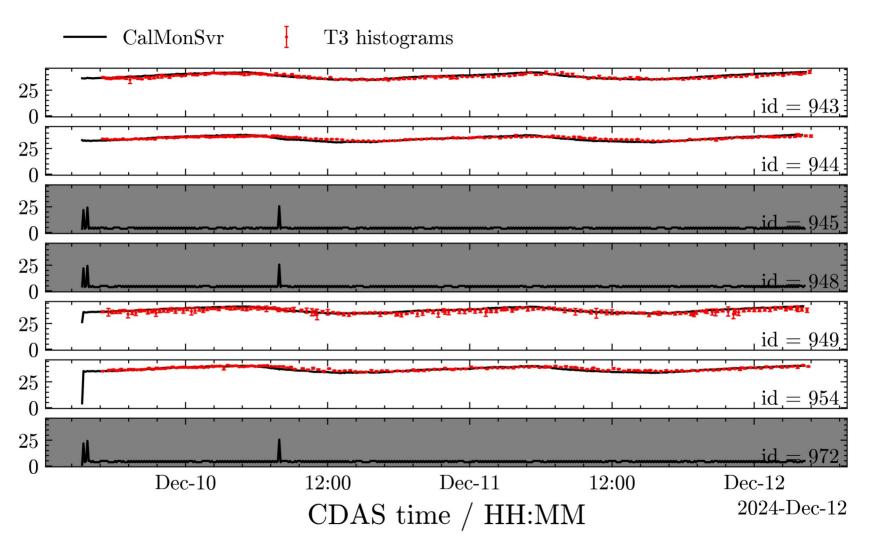
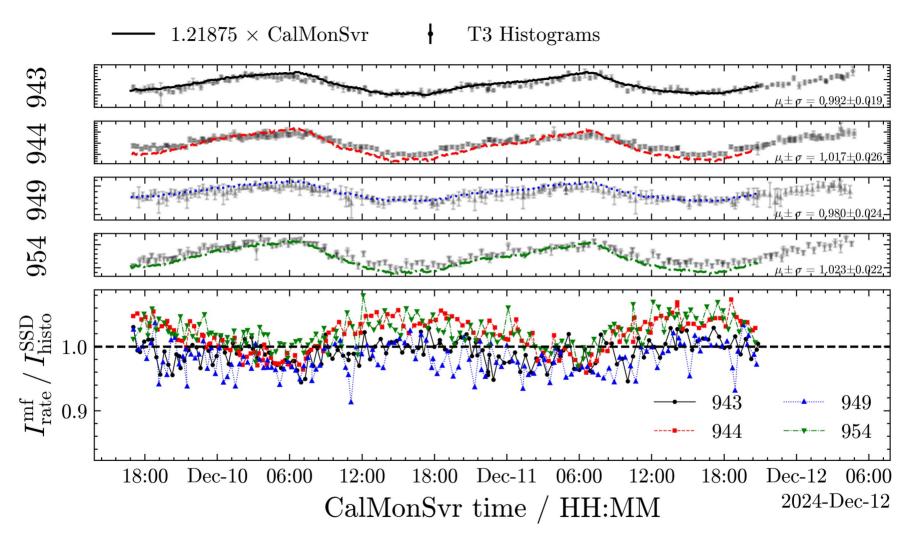
SSD online calib. Implementation in CDAS

Paul Filip





SSD online calib in CDAS

CDAS side

```
pack_size=msg_unpack_get_data(&pack,
                              &pack type, &pack version, pack buff, 65536);
if(0<=pack_size){
 switch(pack_type){
 case(CALMON_PACK_MONIT):
    MrUUBCalibMonit_monit(monit, pack_version, pack_size, pack_buff,
                          lsId):
  case(CALMON PACK CALIB):
   MrUUBCalibMonit_calib(calib, pack_version, pack_size, pack_buff);
   printf("unknwon pack. Type, version, size=%d %d %d\n",
           pack_type,pack_version,pack_size);
    unknown_pack.add_msg(pack_type,pack_version,pack_size,
                         (char *)pack_buff);
```

UUB DAQ side

```
nb=calmonsvr pack qps sync info(buff);
if(0<nb){
 msq_pack_add(ql.pack, nb, CALMON_PACK_SYNC , 1, buff);
nb=calmonsvr pack rd(buff);
if(0<nb){
                                               , 1, buff);
  msq_pack_add(ql.pack, nb, CALMON_PACK_RD
nb=calmonsvr_pack_system(buff); /*FIXME: returnning 0 right now */
if(0<nb){
  msg_pack_add(gl.pack, nb, CALMON_PACK_SYSTEM , 1, buff);
nb=calmonsvr pack muonfill calib(buff);
if(0<nb){
  msq_pack_add(ql.pack, nb, CALMON_PACK_MUONFILL_CALIB, 2, buff);
nb=calmonsvr_pack_extra(buff);/*FIXME: returnning 0 right now */
if(0<nb){
  msg_pack_add(gl.pack, nb, CALMON_PACK_EXTRA , 1, buff);
```

```
from utils.Auger.SD import Monit
  monit = Monit(2024, 12, 7)
  monit.keys()
15:38:10 ( +555.3s) [INFO ] -- received 1 file(s) as input
15:38:10 ( +111ms) [INFO ] -- View monit keys with self.keys()
 "fCalibration": {
   "fVersion": "fCalibration/fCalibration.fVersion".
   "fIsCalibration": "fCalibration/fCalibration.fIsCalibration",
   "fVersion2": "fCalibration/fCalibration.fVersion2",
   "fTubeMask": "fCalibration/fCalibration.fTubeMask",
   "fStartSecond": "fCalibration/fCalibration.fStartSecond",
   "fEndSecond": "fCalibration/fCalibration.fEndSecond".
   "fT1": "fCalibration/fCalibration.fT1",
   "fT2": "fCalibration/fCalibration.fT2".
   "fTotRate": "fCalibration/fCalibration.fTotRate",
   "fTotD": "fCalibration/fCalibration.fTotD",
   "fMops": "fCalibration/fCalibration.fMops",
   "fPast": "fCalibration/fCalibration.fPast[3]",
   "fAnode": "fCalibration/fCalibration.fAnode[3]",
   "fVarianceDynode": "fCalibration/fCalibration.fVarianceDynode[3]",
   "fDynode": "fCalibration/fCalibration.fDynode[3]",
   "fVarianceAnode": "fCalibration/fCalibration.fVarianceAnode[3]",
   "fUBase[4]": "fCalibration/fCalibration.fUBase[4]",
   "fVarianceUBase[4]": "fCalibration/fCalibration.fVarianceUBase[4]",
   "f70HzRate": "fCalibration/fCalibration.f70HzRate[3]",
   "fTriggerDA": "fCalibration/fCalibration.fTriggerDA[3]",
   "fDynodeAnode": "fCalibration/fCalibration.fDynodeAnode[3]",
   "fVarianceDynodeAnode": "fCalibration/fCalibration.fVarianceDynodeAnode[3]",
   "fDynodeAnodeDt": "fCalibration/fCalibration.fDynodeAnodeDt[3]",
   "fVarianceDynodeAnodeDt": "fCalibration/fCalibration.fVarianceDynodeAnodeDt[3]",
   "fDynodeAnodeChi2": "fCalibration/fCalibration.fDynodeAnodeChi2[3]",
   "fArea": "fCalibration/fCalibration.fArea[3]",
   "fPeak": "fCalibration/fCalibration.fPeak[3]",
   "fListOfMembers": "fCalibration/fCalibration.fListOfMembers"
```

What data to put where?

Currently only Peak[4] is sent

Backup

