

To compile: size_t -> hsize_t

Waf: Entering directory `/home/yuhw/wc/larsoft925/src/wct-latest/build'

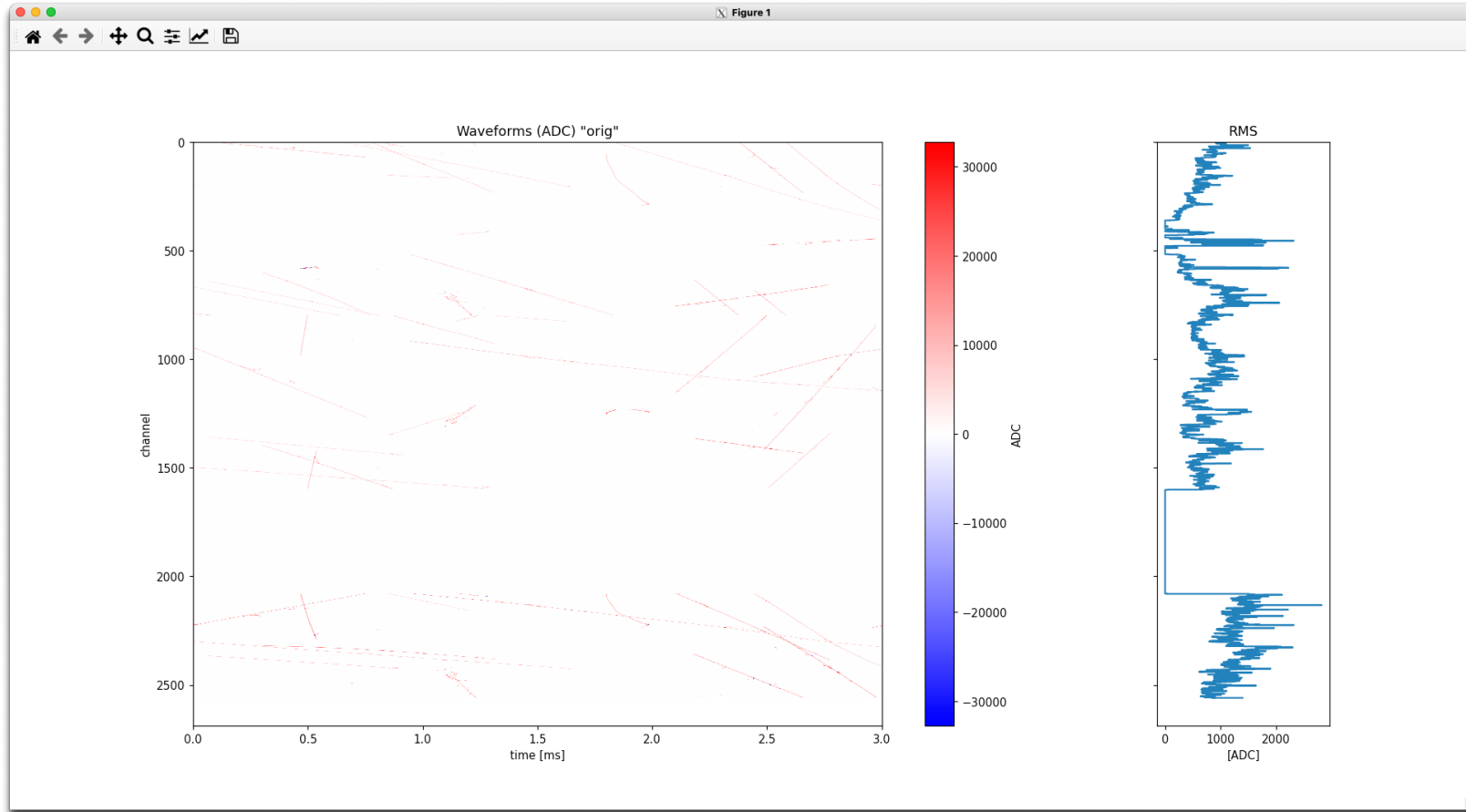
```
[237/309] [76%] [/] [=====----->]
../hio/src/HDF5FrameTap.cxx: In member function 'virtual bool WireCell::Hio::HDF5FrameTap::operator()(const pointer&, WireCell::IData<WireCell::IFrame>::pointer&)':
../hio/src/HDF5FrameTap.cxx:239:56: error: invalid conversion from 'long unsigned int*' to 'const hsize_t*' {aka 'const long long unsigned int*'} [-fpermissive]
 239 |         if (H5Pset_chunk (dcpl, 2, m_chunk.data()) < 0) {
      |                                ~~~~~~^
      |                                |
      |                                long unsigned int*
(wcpy) [dune925]/home/yuhw/wc/larsoft925/src/wct-latest
```

```
59 | .....int m_gzip{0};
60- | .....std::vector<size_t> m_chunk = {256,256};
61 | .....
62 | .....

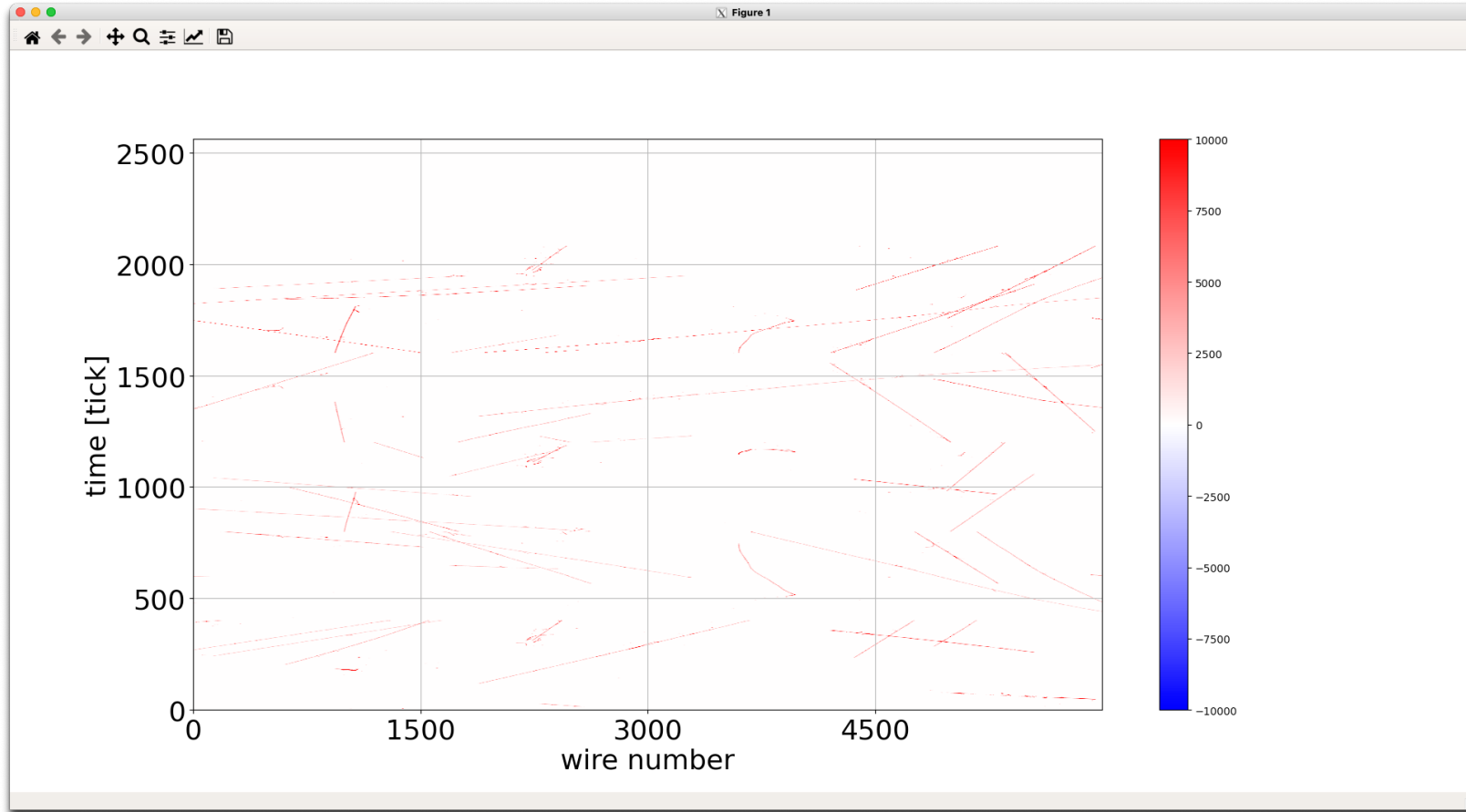
59 | .....int m_gzip{0};
60+ | .....std::vector<hsize_t> m_chunk = {256,256};
61 | .....
62 | .....
63 | .....
64 | .....
65 | .....
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93 | .....
94 | .....
95 | .....
96 | .....
97 | .....
98 | .....
99 | .....
100 | .....
```

SigProc check

```
wirecell-plot frame -n wave --interactive -o frames-pr314.pdf frames-pr314.tar.bz2
```

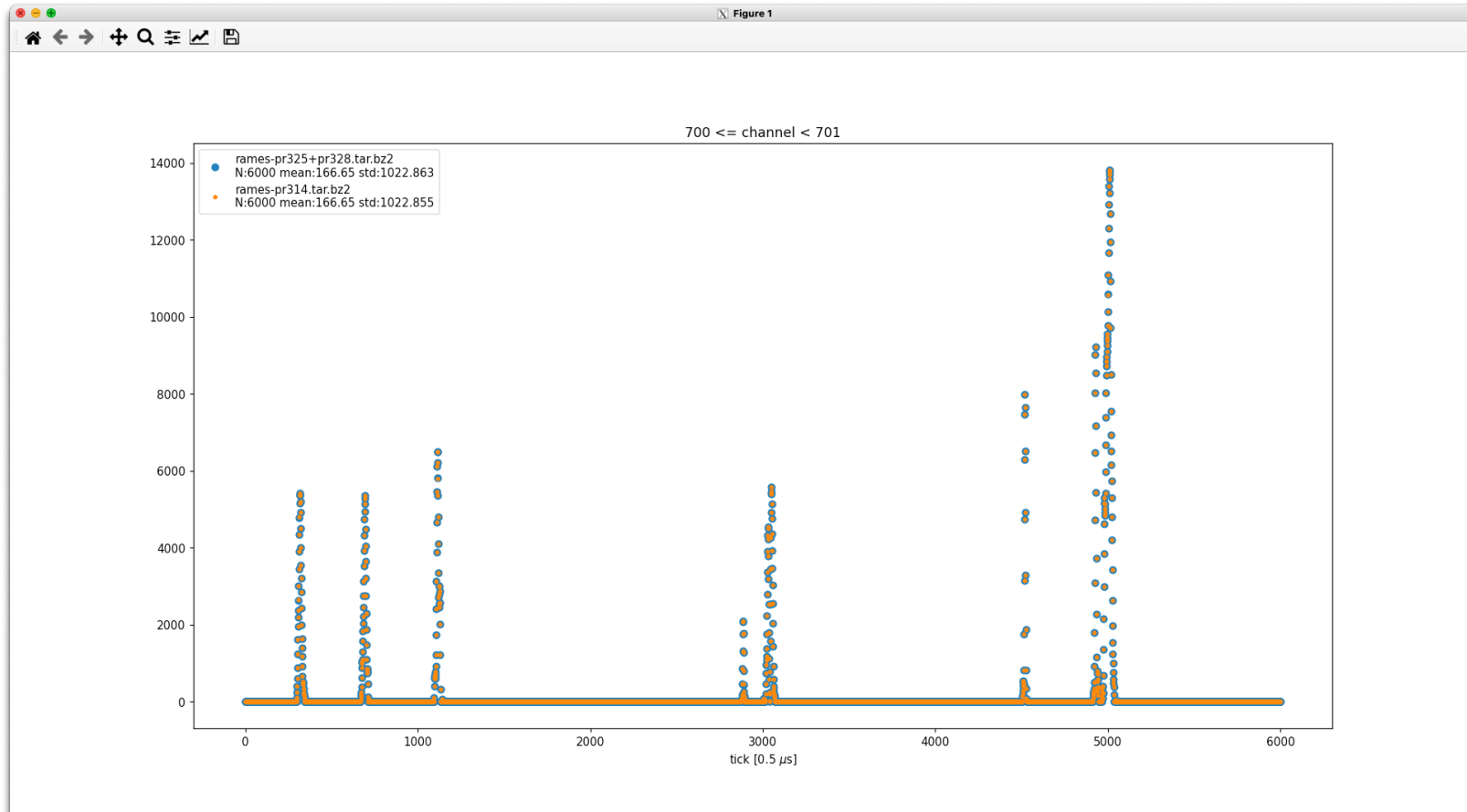


h5plot g4-rec-0.h5 /100/frame_gauss0



SigProc check

```
wirecell-plot comp1d -n wave -o tmp.pdf --chmin 700 --chmax 701 --  
interactive frames-pr325+pr328.tar.bz2 frames-pr314.tar.bz2
```



try to use:

https://www.phy.bnl.gov/~hyu/wct-ci/sigproc/check_pdsp_sim_sp.jsonnet

failed with chunk: [0, 0]

fixed by set set chunking to default values [256, 256]

```
, 960 indices spanning [3200,4159] "wiener"  
[11:06:02.447] D [sigproc ] <OmnibusSigProc:apa0sigproc0> call=0 save plane index: 2, Qtot=209521405 Qloss=-2939431  
, 960 indices spanning [4160,5119] "gauss"  
[11:06:02.451] D [sigproc ] <OmnibusSigProc:apa0sigproc0> call=0 produce 5120 traces: 2560 wiener0, 0 decon_charge0  
, 2560 gauss0, frame tag: sigproc  
[11:06:02.451] D [sigproc ] <OmnibusSigProc:apa0sigproc0> call=0 output frame: frame: ident=100 time=-249898 tick=5  
00 with 5120 traces. frame tags:[ "sigproc" ] 2 tagged trace sets:[ "gauss0":2560 [0] "wiener0":2560 [2560] ] cmm:  
[ ]  
[11:06:02.459] D [ hio ] <HDF5FrameTap:hio_sp0> HDF5FrameTap: see frame #100 with 5120 traces with frame tags: "  
sigproc" and trace tags: "gauss0" "wiener0" looking for tags: "loose_lf0" "tight_lf0" "cleanup_roi0" "break_roi_1st  
0" "break_roi_2nd0" "shrink_roi0" "extend_roi0" "mp3_roi0" "mp2_roi0" "decon_charge0" "gauss0"  
[11:06:02.459] W [ hio ] <HDF5FrameTap:hio_sp0> no traces for tag: "loose_lf0"  
[11:06:02.459] W [ hio ] <HDF5FrameTap:hio_sp0> no traces for tag: "tight_lf0"  
[11:06:02.459] W [ hio ] <HDF5FrameTap:hio_sp0> no traces for tag: "cleanup_roi0"  
[11:06:02.459] W [ hio ] <HDF5FrameTap:hio_sp0> no traces for tag: "break_roi_1st0"  
[11:06:02.459] W [ hio ] <HDF5FrameTap:hio_sp0> no traces for tag: "break_roi_2nd0"  
[11:06:02.459] W [ hio ] <HDF5FrameTap:hio_sp0> no traces for tag: "shrink_roi0"  
[11:06:02.459] W [ hio ] <HDF5FrameTap:hio_sp0> no traces for tag: "extend_roi0"  
[11:06:02.459] W [ hio ] <HDF5FrameTap:hio_sp0> no traces for tag: "mp3_roi0"  
[11:06:02.459] W [ hio ] <HDF5FrameTap:hio_sp0> no traces for tag: "mp2_roi0"  
[11:06:02.459] W [ hio ] <HDF5FrameTap:hio_sp0> no traces for tag: "decon_charge0"  
HDF5-DIAG: Error detected in HDF5 (1.12.0) thread 0:  
 #000: /scratch/workspace/hep_hpc_toolkit-all/MQUAL/NO_MPI/QUAL/e20/label1/swarm/label2/SLF7/build/hdf5/v1_12_0b/s  
ource/hdf5-1.12.0/src/H5Pdcpl.c line 2025 in H5Pset_chunk(): all chunk dimensions must be positive  
 major: Invalid arguments to routine  
 minor: Out of range  
terminate called after throwing an instance of 'boost::wrapexcept<boost::io::too_many_args>'  
 what(): boost::too_many_args: format-string referred to fewer arguments than were passed  
Aborted (core dumped)
```