

# Firmware Tasks Update

30 Jul 2015



Pacific Northwest  
NATIONAL LABORATORY

Proudly Operated by **Battelle** Since 1965

## ▶ Waveform sorting

### ■ Channel sorting (carrier level)

→ test version this week

### ■ Waveform sorting (SCROD level)

→ test version next week

## ▶ Feature extraction

### ■ Virtual channels for FE testing

→ done, testing now

### ■ Data format update

→ done, testing now

→ Hand off to UH next week?

## ▶ Belle2Link

### ■ HSLB updated to 127MHz

→ done

### ■ Firmware updated on FTSW, HSLB

→ done

### ■ Updating BASF2 DAQ software at PNNL to latest version

→ update this week, test next week

## ▶ Other

### ■ SCROD revB2 board stack

→ assembling today

### ■ SCROD rev B2 humidity sensor

→ next week

## Multi-ASIC readout

- ▶ Jul 27-31
  - Waveform sorting (carrier)
- ▶ Aug 3-Aug 7
  - Waveform sorting (SCROD)
  - General integration
- ▶ Aug 10-Aug 14
  - Multi-ASIC readout testing

## Belle2Link

- ▶ Jul 27-31
  - Update of B2L software at PNNL
- ▶ Aug 3-Aug 7
  - Additional testing at KEK, PNNL, Pittsburgh
- ▶ Aug 10-Aug 14
  - B2L software at KEK
  - Test and debug