```
// LABEL-1 = new label counting from 0 and using T/B convention
// LABEL0 = new label in visual_scal, [<sector L|R>L<thickness T|F>
// <number(hex)><top|bottom>], note channels starting from 0
// LABEL1 = new label [L<thickness>_<sector><number><up|down>], differ between
// thickness (15+20cm), left and right sector, number (starting with 1 on most
// forward bar, counting upstream), and up/down channel.
// CAB_BNC = Label of the BNC cable
// CAB_HV = Label of the HV cable
// HV_SL.CH = sector-slot.channel on HV crate
// AS = Analog splitter: sectorcrate-panel.channel on analog splitter panel, sector=L|R, panels 0...4 from top to bottom,
// 0 (top) for Ohio wall


//
//20 cm bars, beam left, L20_L (now backward upstream)
//
LABEL-1   LABEL0  LABEL1 CAB_BNC CAB_HV HV_SL.CH  AS    COMMENT
L20_L00T  LLT0T  L20_L01U  R-29   R-29   R-11.6   R-3.1  NO TUBE!!
L20_L01T  LLT1T  L20_L02U  R-30   R-30   R-11.7   R-3.3  without Pin
L20_L02T  LLT2T  L20_L03U  R-31   R-31   R-11.8   R-3.5
L20_L03T  LLT3T  L20_L04U  R-32   R-32   R-11.9   R-3.7
L20_L04T  LLT4T  L20_L05U  R-33   R-33   R-11.10  R-3.9
L20_L05T  LLT5T  L20_L06U  R-34   R-34   R-11.11  R-3.11 taken from L15_R13U, replaced 1490
L20_L06T  LLT6T  L20_L07U  R-35   R-35   R-12.0   R-3.13
L20_L07T  LLT7T  L20_L08U  R-36   R-36   R-12.1   R-4.1
L20_L08T  LLT8T  L20_L09U  R-37   R-37   R-12.2   R-4.3
L20_L09T  LLT9T  L20_L10U  R-38   R-38   R-12.3   R-4.5
L20_L10T  LLTAT  L20_L11U  R-39   R-39   R-12.4   R-4.7
L20_L11T  LLTBT  L20_L12U  R-40   R-40   R-12.5   R-4.9
L20_L12T  LLTCT  L20_L13U  R-41   R-41   R-12.6   R-4.11
L20_L13T  LLTDT  L20_L14U  R-42   R-42   R-12.7   R-4.13

L20_L00B  LLT0B  L20_L01D  R-58   R-43   R-12.9   R-3.2  NO TUBE!!
L20_L01B  LLT1B  L20_L02D  R-44   R-44   R-12.10  R-3.4  without Pin
L20_L02B  LLT2B  L20_L03D  R-45   R-45   R-12.11  R-3.6
L20_L03B  LLT3B  L20_L04D  R-46   R-46   R-13.0   R-3.8
L20_L04B  LLT4B  L20_L05D  R-47   R-47   R-13.1   R-3.10
L20_L05B  LLT5B  L20_L06D  R-48   R-48   R-13.2   R-3.12 taken from L15_R13D, replaced 1480
L20_L06B  LLT6B  L20_L07D  R-49   R-49   R-13.3   R-3.14
L20_L07B  LLT7B  L20_L08D  R-58   R-50   R-13.4   R-4.2
L20_L08B  LLT8B  L20_L09D  R-51   R-51   R-13.5   R-4.4
L20_L09B  LLT9B  L20_L10D  R-52   R-52   R-13.6   R-4.6
L20_L10B  LLTAB  L20_L11D  R-53   R-53   R-13.7   R-4.8
L20_L11B  LLTBB  L20_L12D  R-54   R-54   R-13.8   R-4.10
L20_L12B  LLTCB  L20_L13D  R-59   R-55   R-13.9   R-4.12
L20_L13B  LLTDB  L20_L14D  R-56   R-56   R-13.10  R-4.14


//15 cm bars, beam left L15_L (now forward at larger distance)

LABEL-1   LABEL0 LABEL1  CAB_BNC CAB_HV HV_SL.CH  AS    COMMENT
L15_L00T  LLF0T  L15_L01U  L-29   L-29   L-11.6   L-3.1
L15_L01T  LLF1T  L15_L02U  L-30   L-30   L-11.7   L-3.3
L15_L02T  LLF2T  L15_L03U  L-31   L-31   L-11.8   L-3.5
L15_L03T  LLF3T  L15_L04U  L-32   L-32   L-11.9   L-3.7
L15_L04T  LLF4T  L15_L05U  L-33   L-33   L-11.10  L-3.9
L15_L05T  LLF5T  L15_L06U  L-34   L-34   L-11.11  L-3.11
L15_L06T  LLF6T  L15_L07U  L-47   L-35   L-12.0   L-3.13 BNC swapped with 47
L15_L07T  LLF7T  L15_L08U  L-36   L-36   L-12.1   L-4.1
L15_L08T  LLF8T  L15_L09U  L-37   L-70   L-12.2   L-4.3  HV cable replaced
L15_L09T  LLF9T  L15_L10U  L-38   L-38   L-12.3   L-4.5
L15_L10T  LLFAT  L15_L11U  L-39   L-39   L-12.4   L-4.7
L15_L11T  LLFBT  L15_L12U  L-40   L-40   L-12.5   L-4.9
L15_L12T  LLFCT  L15_L13U  L-41   L-41   L-12.6   L-4.11
L15_L13T  LLFDT  L15_L14U  L-42   L-42   L-12.7   L-4.13

L15_L00B  LLF0B  L15_L01D  L-43   L-43   L-12.9   L-3.2  without Pin, base replaced with "Test5", replaced BNC 43, also BNC 57 broken
L15_L01B  LLF1B  L15_L02D  L-44   L-44   L-12.10  L-3.4
L15_L02B  LLF2B  L15_L03D  L-45   L-45   L-12.11  L-3.6
L15_L03B  LLF3B  L15_L04D  L-46   L-46   L-13.0   L-3.8
L15_L04B  LLF4B  L15_L05D  L-35   L-47   L-13.1   L-3.10 BNC swapped with 35
L15_L05B  LLF5B  L15_L06D  L-48   L-48   L-13.2   L-3.12
L15_L06B  LLF6B  L15_L07D  L-49   L-49   L-13.3   L-3.14
L15_L07B  LLF7B  L15_L08D  L-58   L-50   L-13.4   L-4.2  replaced BNC 50 with 58
L15_L08B  LLF8B  L15_L09D  L-51   L-51   L-13.5   L-4.4
L15_L09B  LLF9B  L15_L10D  L-52   L-52   L-13.6   L-4.6
L15_L10B  LLFAB  L15_L11D  L-53   L-53   L-13.7   L-4.8
L15_L11B  LLFBB  L15_L12D  L-54   L-54   L-13.8   L-4.10
L15_L12B  LLFCB  L15_L13D  L-55   L-55   L-13.9   L-4.12
L15_L13B  LLFDB  L15_L14D  L-56   L-56   L-13.10  L-4.14
```

```
//
//20 cm bars, beam right L20_R (now backward downsream)
//
LABEL-1   LABEL0 LABEL1  CAB_BNC CAB_HV HV_SL.CH  AS    COMMENT
L20_R00T  RLT0T  L20_R01U  R-1    R-1    R-9.0    R-1.1  NO TUBE!!
L20_R01T  RLT1T  L20_R02U  R-2    R-2    R-9.1    R-1.3  tube taken from L20_L06D
L20_R02T  RLT2T  L20_R03U  R-3    R-3    R-9.2    R-1.5
L20_R03T  RLT3T  L20_R04U  R-4    R-4    R-9.3    R-1.7
L20_R04T  RLT4T  L20_R05U  R-5    R-5    R-9.4    R-1.9
L20_R05T  RLT5T  L20_R06U  R-6    R-6    R-9.5    R-1.11
L20_R06T  RLT6T  L20_R07U  R-7    R-7    R-9.6    R-1.13
L20_R07T  RLT7T  L20_R08U  R-8    R-8    R-9.7    R-2.1
L20_R08T  RLT8T  L20_R09U  R-9    R-9    R-9.8    R-2.3
L20_R09T  RLT9T  L20_R10U  R-10   R-10   R-9.9    R-2.5
L20_R10T  RLTAT  L20_R11U  R-11   R-11   R-9.10   R-2.7
L20_R11T  RLTBT  L20_R12U  R-12   R-12   R-9.11   R-2.9
L20_R12T  RLTCT  L20_R13U  R-13   R-13   R-10.0   R-2.11
L20_R13T  RLTDT  L20_R14U  R-14   R-14   R-10.1   R-2.13

L20_R00B  RLT0B  L20_R01D  R-15   R-15   R-10.3   R-1.2  NO TUBE!!
L20_R01B  RLT1B  L20_R02D  R-16   R-16   R-10.4   R-1.4  without Pin
L20_R02B  RLT2B  L20_R03D  R-17   R-59   R-10.5   R-1.6  HV cable replaced
L20_R03B  RLT3B  L20_R04D  R-18   R-18   R-10.6   R-1.8
L20_R04B  RLT4B  L20_R05D  R-19   R-19   R-10.7   R-1.10
L20_R05B  RLT5B  L20_R06D  R-20   R-20   R-10.8   R-1.12
L20_R06B  RLT6B  L20_R07D  R-21   R-21   R-10.9   R-1.14
L20_R07B  RLT7B  L20_R08D  R-22   R-67   R-10.10  R-2.2  HV cable replaced
L20_R08B  RLT8B  L20_R09D  R-23   R-23   R-10.11  R-2.4
L20_R09B  RLT9B  L20_R10D  R-24   R-24   R-11.0   R-2.6
L20_R10B  RLTAB  L20_R11D  R-25   R-25   R-11.1   R-2.8
L20_R11B  RLTBB  L20_R12D  R-26   R-26   R-11.2   R-2.10
L20_R12B  RLTCB  L20_R13D  R-27   R-27   R-11.3   R-2.12
L20_R13B  RLTDB  L20_R14D  R-28   R-28   R-11.4   R-2.14


//
//15 cm bars, beam right L15_R (now forward closer to target)
//
LABEL-1   LABEL0 LABEL1  CAB_BNC CAB_HV HV_SL.CH  AS    COMMENT
L15_R00T  RLF0T  L15_R01U  L-1    L-1    L-9.0    L-1.1  without Pin, base replaced with new one
L15_R01T  RLF1T  L15_R02U  L-2    L-2    L-9.1    L-1.3  replaced RA1332 (now at L15_R13U), without Pin
L15_R02T  RLF2T  L15_R03U  L-3    L-3    L-9.2    L-1.5
L15_R03T  RLF3T  L15_R04U  L-4    L-4    L-9.3    L-1.7
L15_R04T  RLF4T  L15_R05U  L-5    L-5    L-9.4    L-1.9  * marked as bad by J. Althouse
L15_R05T  RLF5T  L15_R06U  L-6    L-6    L-9.5    L-1.11
L15_R06T  RLF6T  L15_R07U  L-7    L-7    L-9.6    L-1.13 * marked as bad by J. Althouse
L15_R07T  RLF7T  L15_R08U  L-8    L-8    L-9.7    L-2.1
L15_R08T  RLF8T  L15_R09U  L-9    L-9    L-9.8    L-2.3
L15_R09T  RLF9T  L15_R10U  L-10   L-10   L-9.9    L-2.5  * marked as bad by J. Althouse
L15_R10T  RLFAT  L15_R11U  L-11   L-11   L-9.10   L-2.7
L15_R11T  RLFBT  L15_R12U  L-12   L-12   L-9.11   L-2.9
L15_R12T  RLFCT  L15_R13U  L-13   L-13   L-10.0   L-2.11 replaced RA1543 (now at L20_L06U)
L15_R13T  RLFDT  L15_R14U  L-14   L-14   L-10.1   L-2.13

L15_R00B  RLF0B  L15_R01D  L-15   L-15   L-10.3   L-1.2  taken from L20_L06U, replaced BNC 43 with 58
L15_R01B  RLF1B  L15_R02D  L-16   L-16   L-10.4   L-1.4  replaced RA1275 (now at L15_R13D)
L15_R02B  RLF2B  L15_R03D  L-17   L-17   L-10.5   L-1.6
L15_R03B  RLF3B  L15_R04D  L-18   L-18   L-10.6   L-1.8  * marked as bad by J. Althouse
L15_R04B  RLF4B  L15_R05D  L-19   L-19   L-10.7   L-1.10
L15_R05B  RLF5B  L15_R06D  L-20   L-20   L-10.8   L-1.12
L15_R06B  RLF6B  L15_R07D  L-21   L-21   L-10.9   L-1.14
L15_R07B  RLF7B  L15_R08D  L-22   L-22   L-10.10  L-2.2  replaced BNC 50 with 58
L15_R08B  RLF8B  L15_R09D  L-23   L-23   L-10.11  L-2.4
L15_R09B  RLF9B  L15_R10D  L-24   L-24   L-11.0   L-2.6
L15_R10B  RLFAB  L15_R11D  L-25   L-25   L-11.1   L-2.8
L15_R11B  RLFBB  L15_R12D  L-26   L-26   L-11.2   L-2.10
L15_R12B  RLFCB  L15_R13D  L-27   L-27   L-11.3   L-2.12 replaced RA1359 (now at L20_L06D), replaced BNC55 with 59
L15_R13B  RLFDB  L15_R14D  L-28   L-28   L-11.4   L-2.14
```