```
// 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.
// LABEL2 = first labels assigned during inspection
// LABEL3 = old label from Jefferson Lab
// LABEL4 = original label of the PMT
// 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  LABEL2  LABEL3 LABEL4 CAB_BNC CAB_HV HV_SL.CH  AS    COMMENT
L20_L00T  LLT0T  L20_L01U  L20_14U  31L           L-1     L-1   L-9.0   L-1.1  NO TUBE
!!
L20_L01T  LLT1T  L20_L02U  L20_15U  30R  RA1522   L-2     L-2   L-9.1   L-1.3  without
 Pin
L20_L02T  LLT2T  L20_L03U  L20_16U  32R  RA1514   L-3     L-3   L-9.2   L-1.5
L20_L03T  LLT3T  L20_L04U  L20_17U  35R  RA1300   L-4     L-4   L-9.3   L-1.7
L20_L04T  LLT4T  L20_L05U  L20_18U  50R  RA1354   L-5     L-5   L-9.4   L-1.9
L20_L05T  LLT5T  L20_L06U  L20_19U  53R  RA1543   L-6     L-6   L-9.5   L-1.11 taken f
rom L15_R13U, replaced 1490
L20_L06T  LLT6T  L20_L07U  L20_20U  38L  RA1346   L-7     L-7   L-9.6   L-1.13
L20_L07T  LLT7T  L20_L08U  L20_21U  43L  RA1528   L-8     L-8   L-9.7   L-2.1
L20_L08T  LLT8T  L20_L09U  L20_22U  40L  RA1166   L-9     L-9   L-9.8   L-2.3
L20_L09T  LLT9T  L20_L10U  L20_23U  39L  RA1342   L-10    L-10  L-9.9   L-2.5
L20_L10T  LLTAT  L20_L11U  L20_24U  52L  RA1467   L-11    L-11  L-9.10  L-2.7
L20_L11T  LLTBT  L20_L12U  L20_25U  57L  RA1351   L-12    L-12  L-9.11  L-2.9
L20_L12T  LLTCT  L20_L13U  L20_26U  44R  RA1487   L-13    L-13  L-10.0  L-2.11
L20_L13T  LLTDT  L20_L14U  L20_27U  37L  RA1285   L-14    L-14  L-10.1  L-2.13



L20_L00B  LLT0B  L20_L01D  L20_14D  31R           L-15    L-15  L-10.3  L-1.2  NO TUBE
!!
L20_L01B  LLT1B  L20_L02D  L20_15D  30L  RA1520   L-16    L-16  L-10.4  L-1.4  without
 Pin
L20_L02B  LLT2B  L20_L03D  L20_16D  32L  RA1286   L-17    L-17  L-10.5  L-1.6
L20_L03B  LLT3B  L20_L04D  L20_17D  35L  RA1315   L-18    L-18  L-10.6  L-1.8
L20_L04B  LLT4B  L20_L05D  L20_18D  50L  RA1298   L-19    L-19  L-10.7  L-1.10
L20_L05B  LLT5B  L20_L06D  L20_19D  53L  RA1359   L-20    L-20  L-10.8  L-1.12 taken f
rom L15_R13D, replaced 1480
L20_L06B  LLT6B  L20_L07D  L20_20D  38R  RA1547   L-21    L-21  L-10.9  L-1.14
L20_L07B  LLT7B  L20_L08D  L20_21D  43R  RA1283   L-22    L-22  L-10.10 L-2.2
L20_L08B  LLT8B  L20_L09D  L20_22D  40R  RA1362   L-23    L-23  L-10.11 L-2.4
L20_L09B  LLT9B  L20_L10D  L20_23D  39R  RA1252   L-24    L-24  L-11.0  L-2.6
L20_L10B  LLTAB  L20_L11D  L20_24D  52R  RA1541   L-25    L-25  L-11.1  L-2.8
L20_L11B  LLTBB  L20_L12D  L20_25D  57R  RA1371   L-26    L-26  L-11.2  L-2.10
L20_L12B  LLTCB  L20_L13D  L20_26D  44L  RA1465   L-27    L-27  L-11.3  L-2.12
L20_L13B  LLTDB  L20_L14D  L20_27D  37R  RA1302   L-28    L-28  L-11.4  L-2.14



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

LABEL-1   LABEL0 LABEL1  LABEL2  LABEL3  LABEL4 CAB_BNC CAB_HV HV_SL.CH  AS    COMMENT

L15_L00T  LLF0T  L15_L01U  L15_14U  25R  RA1329   L-29    L-29  L-11.6  L-3.1
L15_L01T  LLF1T  L15_L02U  L15_15U  20R  RA1416   L-30    L-30  L-11.7  L-3.3
L15_L02T  LLF2T  L15_L03U  L15_16U  08R  RA1441   L-31    L-31  L-11.8  L-3.5
L15_L03T  LLF3T  L15_L04U  L15_17U  18L  RA1381   L-32    L-32  L-11.9  L-3.7
L15_L04T  LLF4T  L15_L05U  L15_18U  02L  RA1349   L-33    L-33  L-11.10 L-3.9
L15_L05T  LLF5T  L15_L06U  L15_19U  07L  RA1326   L-34    L-34  L-11.11 L-3.11
L15_L06T  LLF6T  L15_L07U  L15_20U  15L  RA1539   L-47    L-35  L-12.0  L-3.13 BNC swa
pped with 47
L15_L07T  LLF7T  L15_L08U  L15_21U  28L  RA1343   L-36    L-36  L-12.1  L-4.1
L15_L08T  LLF8T  L15_L09U  L15_22U  23L  RA1281   L-37    L-70  L-12.2  L-4.3  HV cabl
e replaced
L15_L09T  LLF9T  L15_L10U  L15_23U  10L  RA1486   L-38    L-38  L-12.3  L-4.5
L15_L10T  LLFAT  L15_L11U  L15_24U  11L  RA1392   L-39    L-39  L-12.4  L-4.7
L15_L11T  LLFBT  L15_L12U  L15_25U  27L  RA1440   L-40    L-40  L-12.5  L-4.9
L15_L12T  LLFCT  L15_L13U  L15_26U  01L  RA1564   L-41    L-41  L-12.6  L-4.11
L15_L13T  LLFDT  L15_L14U  L15_27U  24L  RA1566   L-42    L-42  L-12.7  L-4.13

L15_L00B  LLF0B  L15_L01D  L15_14D  25L  RA1515   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  L15_15D  20L  RA1357   L-44    L-44  L-12.10 L-3.4
L15_L02B  LLF2B  L15_L03D  L15_16D  08L  RA1333   L-45    L-45  L-12.11 L-3.6
L15_L03B  LLF3B  L15_L04D  L15_17D  18R  RA1255   L-46    L-46  L-13.0  L-3.8
L15_L04B  LLF4B  L15_L05D  L15_18D  02R  RA1347   L-35    L-47  L-13.1  L-3.10 BNC swa
pped with 35
L15_L05B  LLF5B  L15_L06D  L15_19D  07R  RA1503   L-48    L-48  L-13.2  L-3.12
L15_L06B  LLF6B  L15_L07D  L15_20D  15R  RA1365   L-49    L-49  L-13.3  L-3.14
L15_L07B  LLF7B  L15_L08D  L15_21D  28R  RA1325   L-58    L-50  L-13.4  L-4.2  replace
d BNC 50 with 58
L15_L08B  LLF8B  L15_L09D  L15_22D  23R  RA1524   L-51    L-51  L-13.5  L-4.4
L15_L09B  LLF9B  L15_L10D  L15_23D  10R  RA1295   L-52    L-52  L-13.6  L-4.6
L15_L10B  LLFAB  L15_L11D  L15_24D  11R  RA1284   L-53    L-53  L-13.7  L-4.8
L15_L11B  LLFBB  L15_L12D  L15_25D  27R  RA1534   L-54    L-54  L-13.8  L-4.10
L15_L12B  LLFCB  L15_L13D  L15_26D  01R  RA1549   L-55    L-55  L-13.9  L-4.12
L15_L13B  LLFDB  L15_L14D  L15_27D  24R  RA1531   L-56    L-56  L-13.10 L-4.14

//
//20 cm bars, beam right (now backward dowsream)
//
LABEL-1   LABEL0 LABEL1  LABEL2  LABEL3  LABEL4 CAB_BNC CAB_HV HV_SL.CH  AS    COMMENT
L20_R00T  RLT0T  L20_R01U  L20_13U  42L           R-1     R-1   R-9.0   R-1.1  NO TUBE
!!
L20_R01T  RLT1T  L20_R02U  L20_12U  54L  RA1480   R-2     R-2   R-9.1   R-1.3  tube ta
ken from L20_L06D
L20_R02T  RLT2T  L20_R03U  L20_11U  29L  RA1257   R-3     R-3   R-9.2   R-1.5
L20_R03T  RLT3T  L20_R04U  L20_10U  34R  RA1304   R-4     R-4   R-9.3   R-1.7
L20_R04T  RLT4T  L20_R05U  L20_09U  32R  RA1344   R-5     R-5   R-9.4   R-1.9
L20_R05T  RLT5T  L20_R06U  L20_08U  45R  RA1368   R-6     R-6   R-9.5   R-1.11
L20_R06T  RLT6T  L20_R07U  L20_07U  46L  RA1402   R-7     R-7   R-9.6   R-1.13
L20_R07T  RLT7T  L20_R08U  L20_06U  44R  RA1556   R-8     R-8   R-9.7   R-2.1
L20_R08T  RLT8T  L20_R09U  L20_05U  41L  RA1567   R-9     R-9   R-9.8   R-2.3
L20_R09T  RLT9T  L20_R10U  L20_04U  48R  RA1369   R-10    R-10  R-9.9   R-2.5
L20_R10T  RLTAT  L20_R11U  L20_03U  47R  RA1311   R-11    R-11  R-9.10  R-2.7
L20_R11T  RLTBT  L20_R12U  L20_02U  56R  RA1424   R-12    R-12  R-9.11  R-2.9
L20_R12T  RLTCT  L20_R13U  L20_01U  55R  RA1319   R-13    R-13  R-10.0  R-2.11
L20_R13T  RLTDT  L20_R14U  L20_00U  33R  RA1523   R-14    R-14  R-10.1  R-2.13



L20_R00B  RLT0B  L20_R01D  L20_13D  42R           R-15    R-15  R-10.3  R-1.2  NO TUBE
!!
L20_R01B  RLT1B  L20_R02D  L20_12D  54R  RA1482   R-16    R-16  R-10.4  R-1.4  without
 Pin
L20_R02B  RLT2B  L20_R03D  L20_11D  29R  RA1495   R-17    R-59  R-10.5  R-1.6  HV cabl
e replaced
L20_R03B  RLT3B  L20_R04D  L20_10D  34L  RA1419   R-18    R-18  R-10.6  R-1.8
L20_R04B  RLT4B  L20_R05D  L20_09D  32L  RA1323   R-19    R-19  R-10.7  R-1.10
L20_R05B  RLT5B  L20_R06D  L20_08D  45L  RA1418   R-20    R-20  R-10.8  R-1.12
L20_R06B  RLT6B  L20_R07D  L20_07D  46R  RA1312   R-21    R-21  R-10.9  R-1.14
L20_R07B  RLT7B  L20_R08D  L20_06D  44L  RA1350   R-22    R-67  R-10.10 R-2.2  HV cabl
e replaced
L20_R08B  RLT8B  L20_R09D  L20_05D  41R  RA1301   R-23    R-23  R-10.11 R-2.4
L20_R09B  RLT9B  L20_R10D  L20_04D  48L  RA1573   R-24    R-24  R-11.0  R-2.6
L20_R10B  RLTAB  L20_R11D  L20_03D  47L  RA1387   R-25    R-25  R-11.1  R-2.8
L20_R11B  RLTBB  L20_R12D  L20_02D  56L  RA1576   R-26    R-26  R-11.2  R-2.10
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L20_R12B  RLTCB  L20_R13D  L20_01D  55L  RA1297   R-27    R-27  R-11.3  R-2.12
L20_R13B  RLTDB  L20_R14D  L20_00D  33L  RA1568   R-28    R-28  R-11.4  R-2.14


//
//15 cm bars, beam right (now forward closer to target)
//
LABEL-1   LABEL0 LABEL1  LABEL2  LABEL3  LABEL4 CAB_BNC CAB_HV HV_SL.CH  AS    COMMENT
L15_R00T  RLF0T  L15_R01U  L15_13U  05L  RA1414   R-29    R-29  R-11.6  R-3.1  without
 Pin, base replaced with new one
L15_R01T  RLF1T  L15_R02U  L15_12U  09L  RA1560   R-30    R-30  R-11.7  R-3.3  replace
d RA1332 (now at L15_R13U), without Pin
L15_R02T  RLF2T  L15_R03U  L15_11U  04L  RA1517   R-31    R-31  R-11.8  R-3.5
L15_R03T  RLF3T  L15_R04U  L15_10U  14R  RA1367   R-32    R-32  R-11.9  R-3.7
L15_R04T  RLF4T  L15_R05U  L15_09U  06L  RA1356   R-33    R-33  R-11.10 R-3.9  * marke
d as bad by J. Althouse
L15_R05T  RLF5T  L15_R06U  L15_08U  03L  RA1377   R-34    R-34  R-11.11 R-3.11
L15_R06T  RLF6T  L15_R07U  L15_07U  13L  RA1459   R-35    R-35  R-12.0  R-3.13 * marke
d as bad by J. Althouse
L15_R07T  RLF7T  L15_R08U  L15_06U  12L  RA1303   R-36    R-36  R-12.1  R-4.1
L15_R08T  RLF8T  L15_R09U  L15_05U  22R  RA1338   R-37    R-37  R-12.2  R-4.3
L15_R09T  RLF9T  L15_R10U  L15_04U  26R  RA1321   R-38    R-38  R-12.3  R-4.5  * marke
d as bad by J. Althouse
L15_R10T  RLFAT  L15_R11U  L15_03U  17R  RA1540   R-39    R-39  R-12.4  R-4.7
L15_R11T  RLFBT  L15_R12U  L15_02U  19L  RA1160   R-40    R-40  R-12.5  R-4.9
L15_R12T  RLFCT  L15_R13U  L15_01U  16R  RA1332   R-41    R-41  R-12.6  R-4.11 replace
d RA1543 (now at L20_L06U)
L15_R13T  RLFDT  L15_R14U  L15_00U  21R  RA1417   R-42    R-42  R-12.7  R-4.13

L15_R00B  RLF0B  L15_R01D  L15_13D  05R  RA1490   R-58    R-43  R-12.9  R-3.2  taken f
rom L20_L06U, replaced BNC 43 with 58
L15_R01B  RLF1B  L15_R02D  L15_12D  09R  RA1358   R-44    R-44  R-12.10 R-3.4  replace
d RA1275 (now at L15_R13D)
L15_R02B  RLF2B  L15_R03D  L15_11D  04R  RA1353   R-45    R-45  R-12.11 R-3.6
L15_R03B  RLF3B  L15_R04D  L15_10D  14L  RA1413   R-46    R-46  R-13.0  R-3.8  * marke
d as bad by J. Althouse
L15_R04B  RLF4B  L15_R05D  L15_09D  06R  RA1327   R-47    R-47  R-13.1  R-3.10
L15_R05B  RLF5B  L15_R06D  L15_08D  03R  RA1492   R-48    R-48  R-13.2  R-3.12
L15_R06B  RLF6B  L15_R07D  L15_07D  13R  RA1341   R-49    R-49  R-13.3  R-3.14
L15_R07B  RLF7B  L15_R08D  L15_06D  12R  RA1548   R-58    R-50  R-13.4  R-4.2  replace
d BNC 50 with 58
L15_R08B  RLF8B  L15_R09D  L15_05D  22L  RA1348   R-51    R-51  R-13.5  R-4.4
L15_R09B  RLF9B  L15_R10D  L15_04D  26L  RA1450   R-52    R-52  R-13.6  R-4.6
L15_R10B  RLFAB  L15_R11D  L15_03D  17L  RA1485   R-53    R-53  R-13.7  R-4.8
L15_R11B  RLFBB  L15_R12D  L15_02D  19R  RA1571   R-54    R-54  R-13.8  R-4.10
L15_R12B  RLFCB  L15_R13D  L15_01D  16L  RA1275   R-59    R-55  R-13.9  R-4.12 replace
d RA1359 (now at L20_L06D), replaced BNC55 with 59
L15_R13B  RLFDB  L15_R14D  L15_00D  21L  RA1374   R-56    R-56  R-13.10 R-4.14
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